

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061319\
 Data File : BF114996.D
 Acq On : 13 Jun 2019 12:04
 Operator : HP/JU
 Sample : K3283-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 200030-200034MSD

Quant Time: Jun 13 17:32:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 12 15:42:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	302779	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	1154491	20.00	ng	0.00
39) Acenaphthene-d10	9.68	164	526634	20.00	ng	0.00
64) Phenanthrene-d10	11.15	188	853654	20.00	ng	0.00
76) Chrysene-d12	13.77	240	479295	20.00	ng	0.00
87) Perylene-d12	15.15	264	578118	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	1938568	106.91	ng	0.01
7) Phenol-d6	6.30	99	2416214	110.46	ng	0.00
23) Nitrobenzene-d5	7.22	82	1508795	78.66	ng	0.00
42) 2,4,6-Tribromophenol	10.47	330	564904	100.17	ng	0.00
45) 2-Fluorobiphenyl	9.01	172	2479805	79.81	ng	0.00
79) Terphenyl-d14	12.73	244	1870297	73.39	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.35	88	248034	29.223	ng	98
3) Pyridine	3.04	79	476441	19.938	ng	99
4) n-Nitrosodimethylamine	2.96	42	277819	32.746	ng	98
6) Aniline	6.32	93	424849	14.503	ng	# 1
8) 2-Chlorophenol	6.44	128	708278	34.448	ng	99
9) Benzaldehyde	6.19	77	162807	7.590	ng	97
10) Phenol	6.32	94	793861	32.439	ng	# 77
11) bis(2-Chloroethyl)ether	6.39	93	649201	34.178	ng	100
12) 1,3-Dichlorobenzene	6.59	146	764011	31.813	ng	99
13) 1,4-Dichlorobenzene	6.67	146	773896	32.053	ng	99
14) 1,2-Dichlorobenzene	6.82	146	719208	31.640	ng	98
15) Benzyl Alcohol	6.80	79	546754	33.363	ng	100
16) 2,2'-oxybis(1-Chloropropan	6.93	45	840481	33.061	ng	97
17) 2-Methylphenol	6.92	107	589109	34.351	ng	99
18) Hexachloroethane	7.16	117	260933	29.926	ng	99
19) n-Nitroso-di-n-propylamine	7.07	70	451208	33.952	ng	98
20) 3+4-Methylphenols	7.07	107	682791	33.452	ng	93
22) Acetophenone	7.06	105	969827	37.110	ng	# 96
24) Nitrobenzene	7.23	77	705567	36.156	ng	93
25) Isophorone	7.47	82	1293187	35.999	ng	99
26) 2-Nitrophenol	7.55	139	391790	36.019	ng	98
27) 2,4-Dimethylphenol	7.60	122	618213	39.398	ng	100
28) bis(2-Chloroethoxy)methane	7.69	93	815753	35.394	ng	100
29) 2,4-Dichlorophenol	7.80	162	601106	36.262	ng	98
30) 1,2,4-Trichlorobenzene	7.87	180	660231	34.470	ng	99
31) Naphthalene	7.96	128	1955164	35.793	ng	99
32) Benzoic acid	7.70	122	121244	10.679	ng	97
33) 4-Chloroaniline	8.00	127	268656	10.655	ng	96
34) Hexachlorobutadiene	8.08	225	349590	32.836	ng	99
35) Caprolactam	8.37	113	114066	20.660	ng	99
36) 4-Chloro-3-methylphenol	8.50	107	604321	36.176	ng	99
37) 2-Methylnaphthalene	8.65	142	1308800	35.924	ng	99
38) 1-Methylnaphthalene	8.74	142	1229436	35.704	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.81	216	575773	37.006	ng	99

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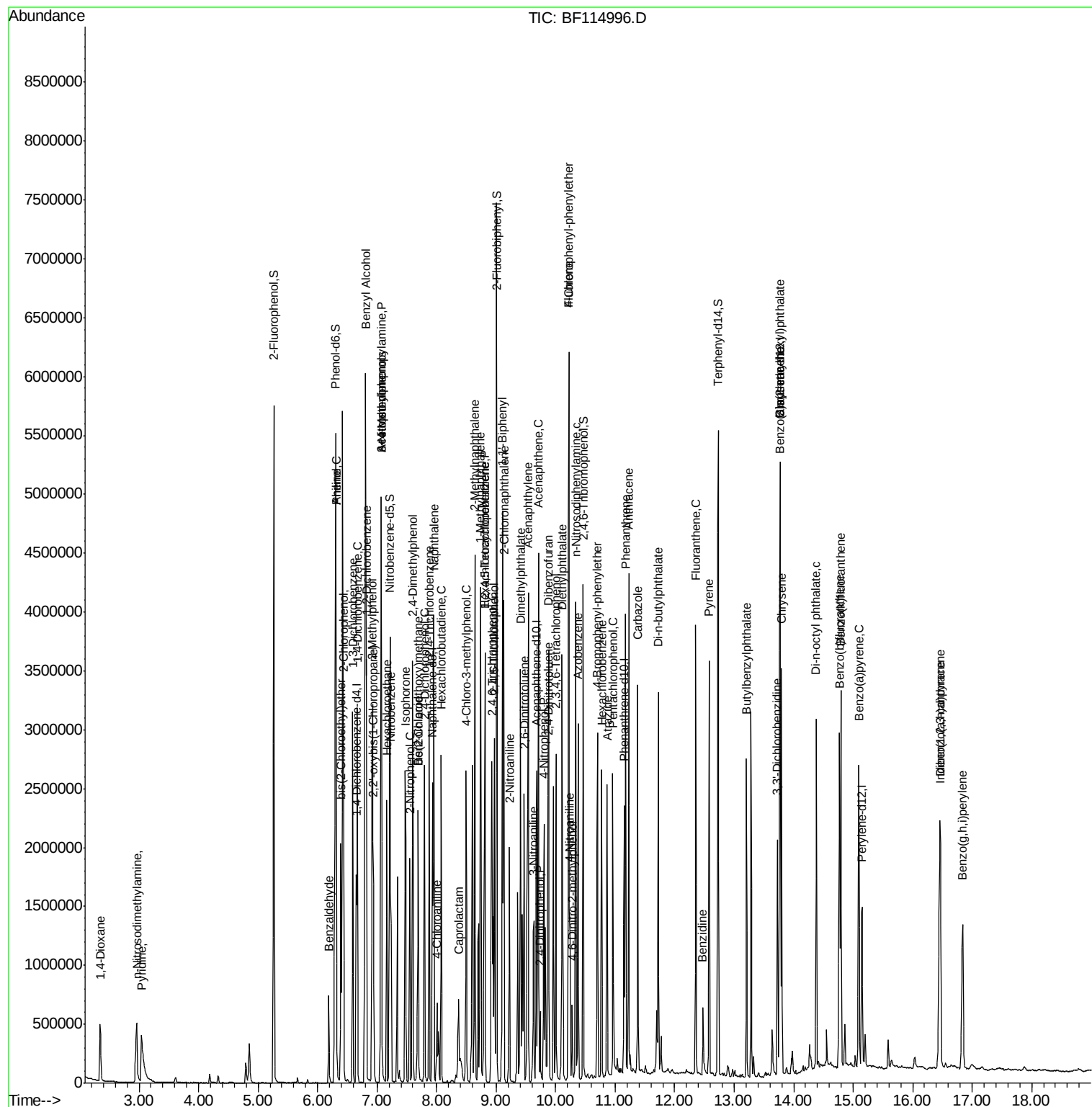
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.80	237	276802	36.104	ng	99
43) 2,4,6-Trichlorophenol	8.93	196	416849	35.871	ng	99
44) 2,4,5-Trichlorophenol	8.97	196	431316	36.726	ng	99
46) 1,1'-Biphenyl	9.11	154	1518727	35.987	ng	99
47) 2-Chloronaphthalene	9.13	162	1194007	34.988	ng	99
48) 2-Nitroaniline	9.22	65	346449	34.347	ng	96
49) Acenaphthylene	9.54	152	1832788	34.930	ng	99
50) Dimethylphthalate	9.42	163	1705695	43.068	ng	99
51) 2,6-Dinitrotoluene	9.47	165	330373	36.774	ng	91
52) Acenaphthene	9.72	154	1051506	35.028	ng	99
53) 3-Nitroaniline	9.63	138	247017	22.441	ng	95
54) 2,4-Dinitrophenol	9.74	184	85409	19.600	ng	97
55) Dibenzofuran	9.89	168	1556437	34.402	ng	97
56) 4-Nitrophenol	9.81	139	473238	62.346	ng	92
57) 2,4-Dinitrotoluene	9.87	165	404002	35.331	ng	96
58) Fluorene	10.23	166	1083266	33.948	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.00	232	322516	33.998	ng	100
60) Diethylphthalate	10.11	149	1359245	35.893	ng	100
61) 4-Chlorophenyl-phenylether	10.22	204	544576	34.696	ng	96
62) 4-Nitroaniline	10.24	138	303700	27.442	ng	99
63) Azobenzene	10.38	77	1129946	34.107	ng	97
65) 4,6-Dinitro-2-methylphenol	10.27	198	87100	18.204	ng	99
66) n-Nitrosodiphenylamine	10.34	169	1056014	41.384	ng	99
67) 4-Bromophenyl-phenylether	10.70	248	347317	37.893	ng	96
68) Hexachlorobenzene	10.77	284	358978	35.574	ng	92
69) Atrazine	10.87	200	326534	39.690	ng	98
70) Pentachlorophenol	10.97	266	344708	62.902	ng	99
71) Phenanthrene	11.18	178	1557089	35.328	ng	98
72) Anthracene	11.23	178	1550114	34.862	ng	100
73) Carbazole	11.38	167	1367370	35.232	ng	98
74) Di-n-butylphthalate	11.73	149	1727811	35.314	ng	99
75) Fluoranthene	12.36	202	1432717	31.789	ng	99
77) Benzidine	12.47	184	201889	10.414	ng	97
78) Pyrene	12.58	202	1421495	32.556	ng	98
80) Butylbenzylphthalate	13.21	149	608734	29.849	ng	97
81) Benzo(a)anthracene	13.76	228	1222326	34.080	ng	100
82) 3,3'-Dichlorobenzidine	13.73	252	415507	30.217	ng	# 98
83) Chrysene	13.80	228	1229258	34.466	ng	98
84) Bis(2-ethylhexyl)phthalate	13.77	149	854829	35.465	ng	99
85) Di-n-octyl phthalate	14.38	149	1444404	34.799	ng	99
86) Indeno(1,2,3-cd)pyrene	16.45	276	1125653	35.929	ng	99
88) Benzo(b)fluoranthene	14.77	252	1301308	33.861	ng	99
89) Benzo(k)fluoranthene	14.80	252	1241278	36.798	ng	99
90) Benzo(a)pyrene	15.10	252	1207620	36.416	ng	99
91) Dibenzo(a,h)anthracene	16.47	278	948005	33.195	ng	98
92) Benzo(g,h,i)perylene	16.84	276	897469	30.814	ng	98

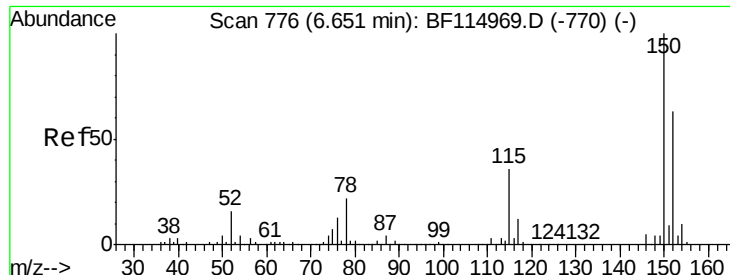
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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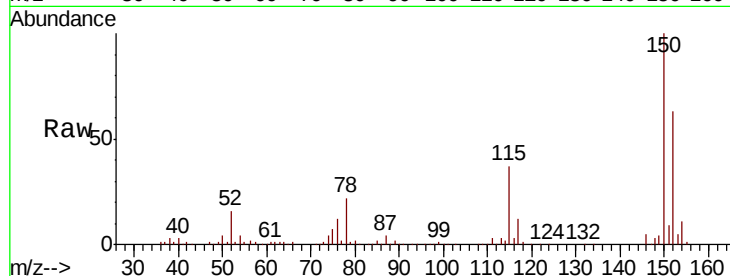


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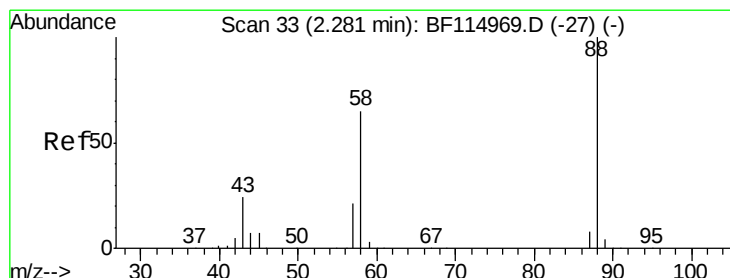
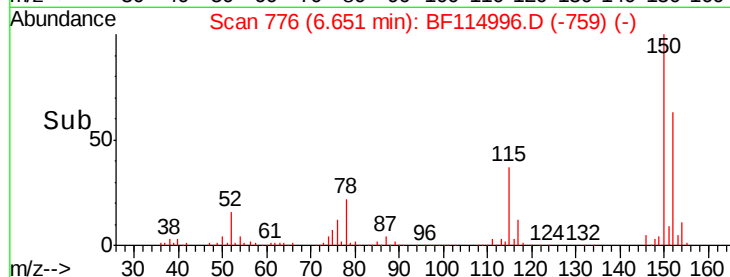
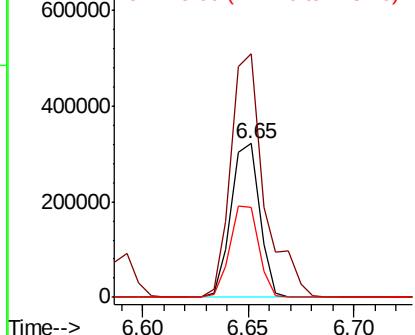
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 776
Delta R.T. -0.00 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

Instrument :
BNA_F
ClientSampleId :
200030-200034MSD

Tot Ion:152 Resp: 302779
Ion Ratio Lower Upper
152 100
150 158.2 127.4 191.0
115 58.6 46.0 69.0



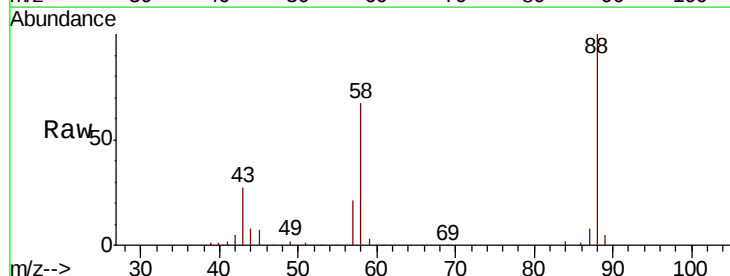
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



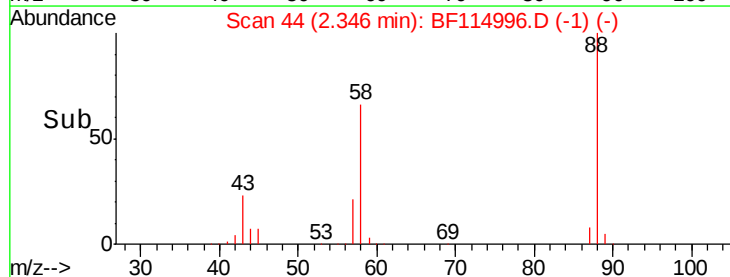
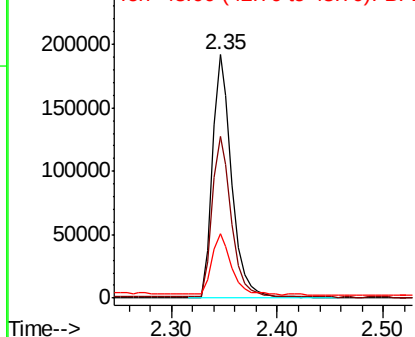
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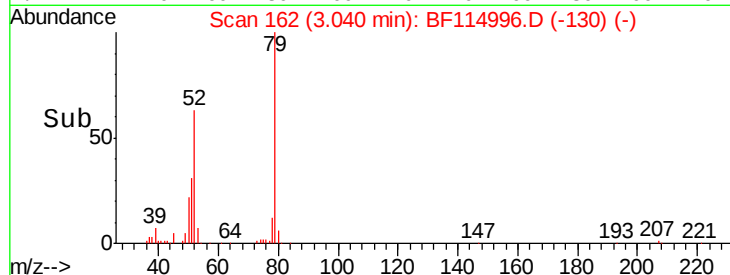
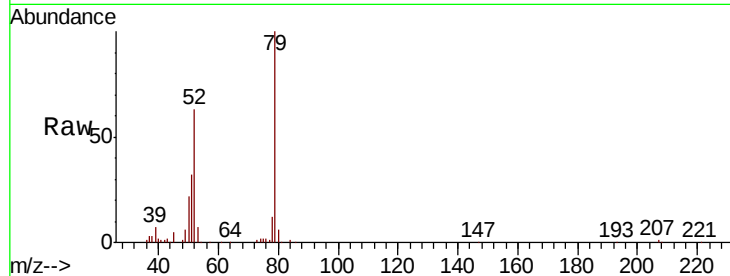
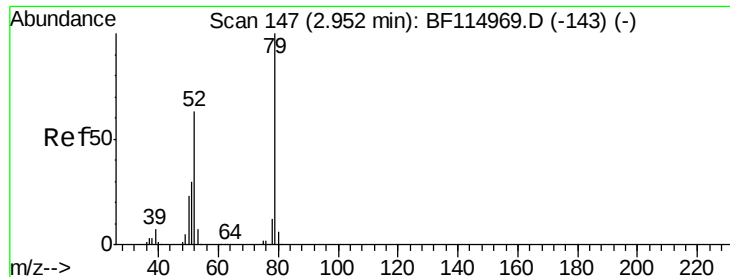
1,4-Dioxane
Concen: 29.223 ng
RT: 2.35 min Scan# 44
Delta R.T. 0.06 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

Tgt Ion: 88 Resp: 248034
Ion Ratio Lower Upper
88 100
58 65.0 53.4 80.2
43 24.7 19.7 29.5



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1

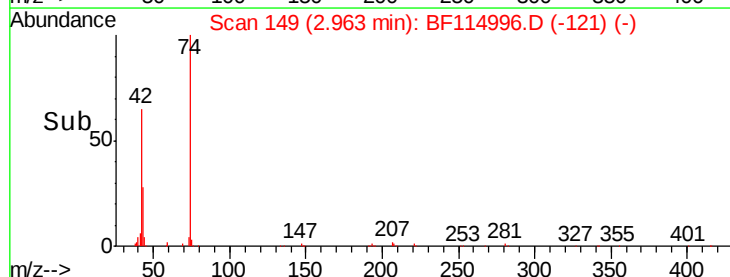
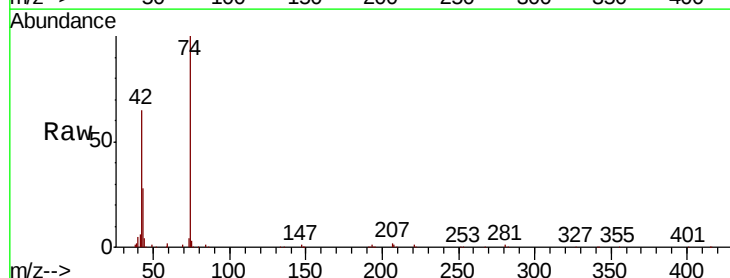
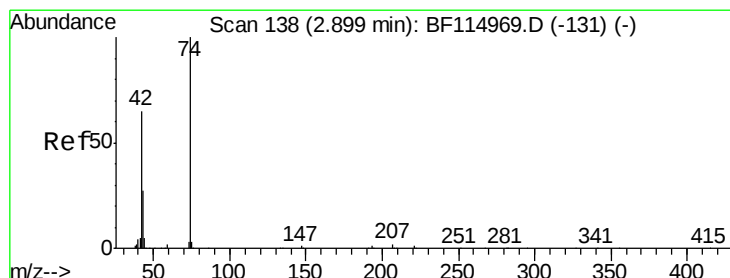
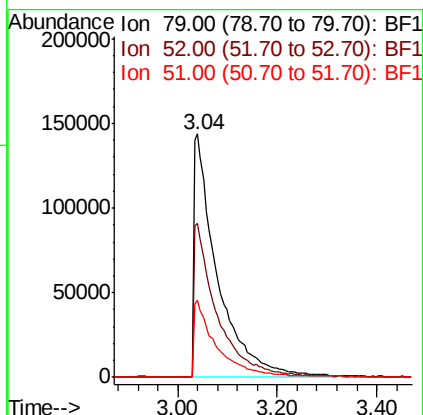




#3
 Pvridine
 Concen: 19.938 ng
 RT: 3.04 min Scan# 162
 Delta R.T. 0.09 min
 Lab File: BF114996.D
 Acq: 13 Jun 2019 12:04

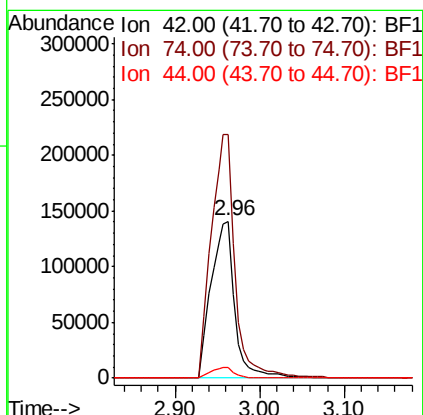
Tot Ion	79	52	51
Resp	476441	63.3	31.5
Ratio	100	63.3	31.5
Lower		50.3	24.4
Upper		75.5	36.6

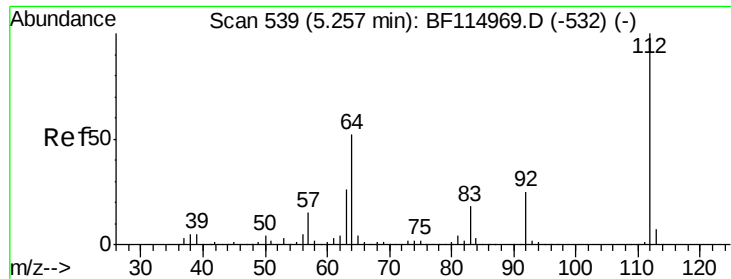
Instrument :
 BNA_F
 ClientSampleId :
 200030-200034MSD



#4
 n-Nitrosodimethylamine
 Concen: 32.746 ng
 RT: 2.96 min Scan# 149
 Delta R.T. 0.06 min
 Lab File: BF114996.D
 Acq: 13 Jun 2019 12:04

Tgt Ion	42	74	44
Resp	277819	154.9	6.5
Ratio	100	154.9	6.5
Lower		122.2	5.8
Upper		183.2	8.8





#5

2-Fluorophenol

Concen: 106.910 ng

RT: 5.27 min Scan# 541

Delta R.T. 0.01 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

Instrument :

BNA_F

ClientSampleId :

200030-200034MSD

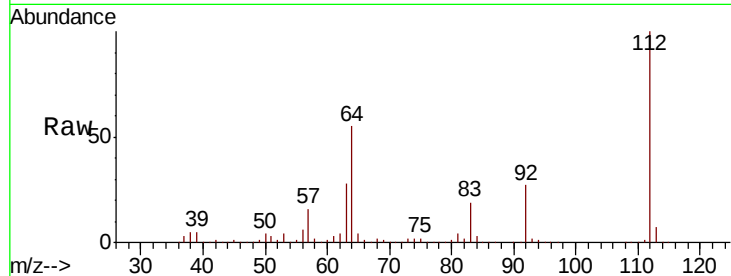
Tot Ion:112 Resp: 1938568

Ion Ratio Lower Upper

112 100

64 54.8 41.6 62.4

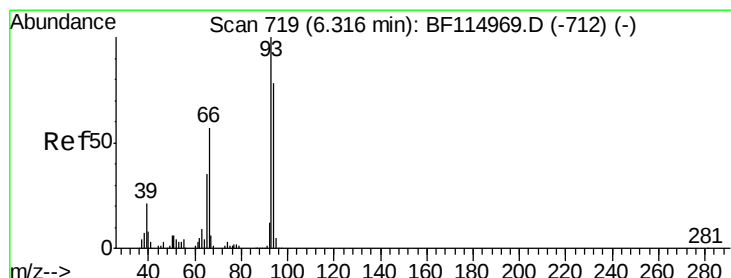
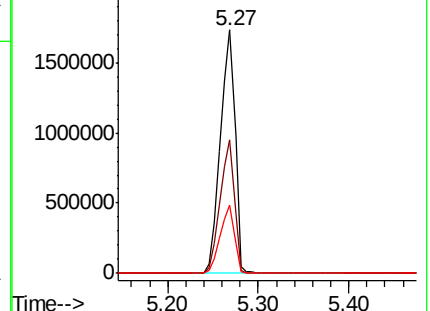
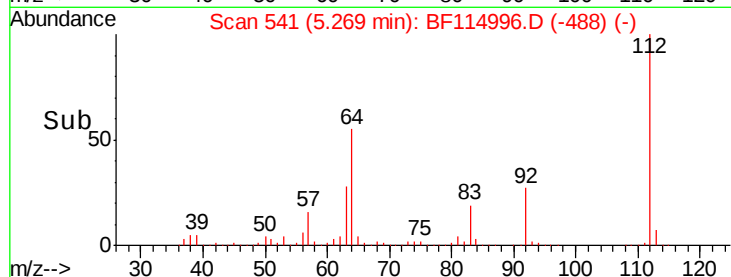
63 28.0 20.9 31.3



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 14.503 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.00 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

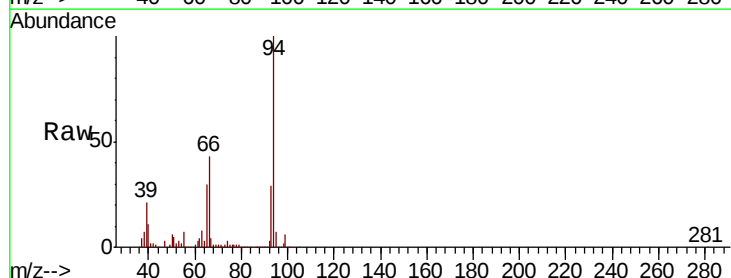
Tgt Ion: 93 Resp: 424849

Ion Ratio Lower Upper

93 100

66 151.7 46.2 69.2#

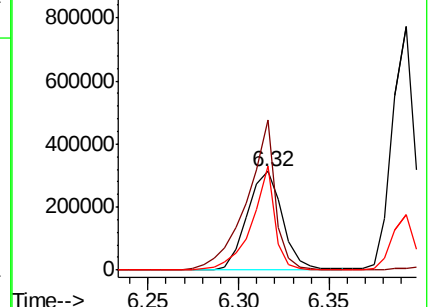
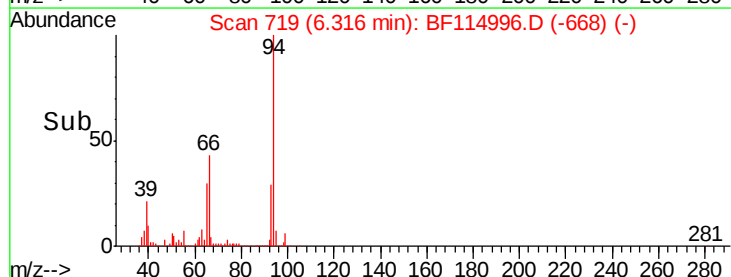
65 105.4 27.7 41.5#

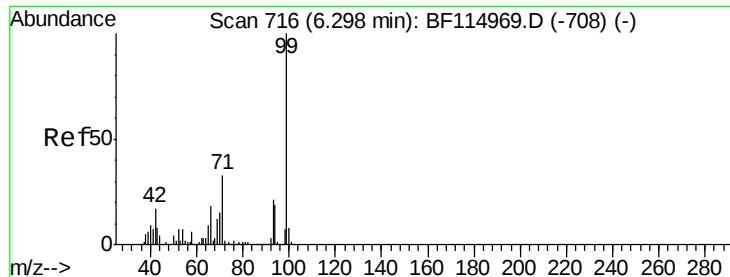


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 110.464 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.01 min

Lab File: BF114996.D

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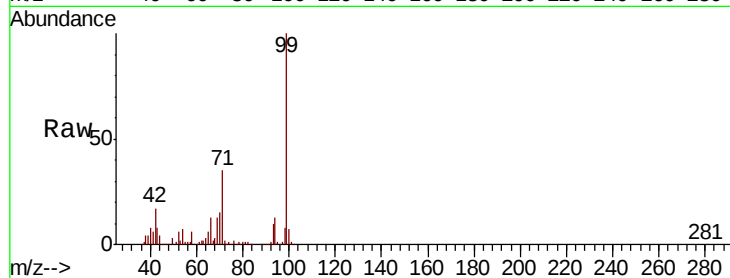
Tot Ion: 99 Resp: 2416214

Ion Ratio Lower Upper

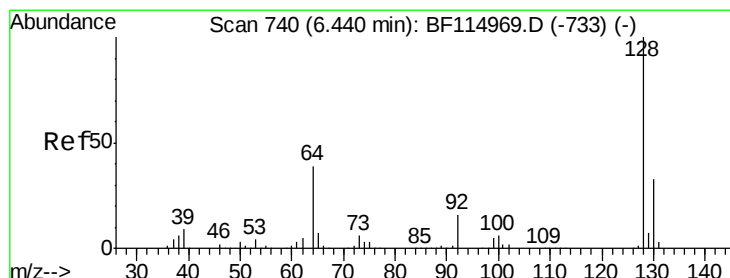
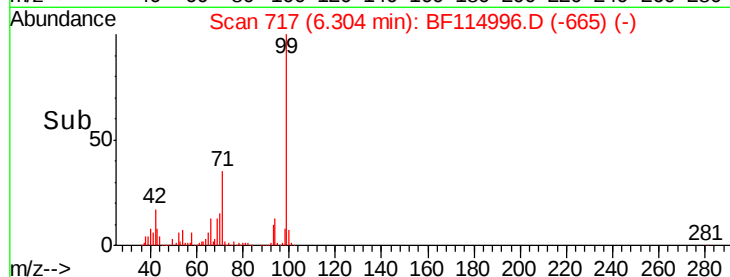
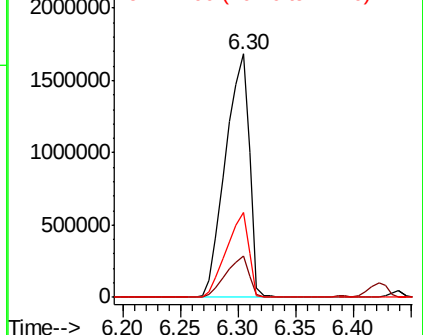
99 100

42 16.8 13.4 20.2

71 34.7 26.4 39.6



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 34.448 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

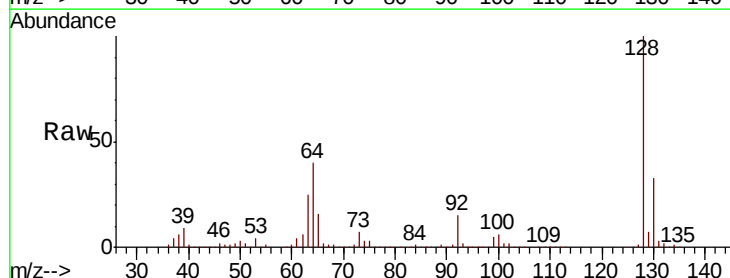
Tgt Ion: 128 Resp: 708278

Ion Ratio Lower Upper

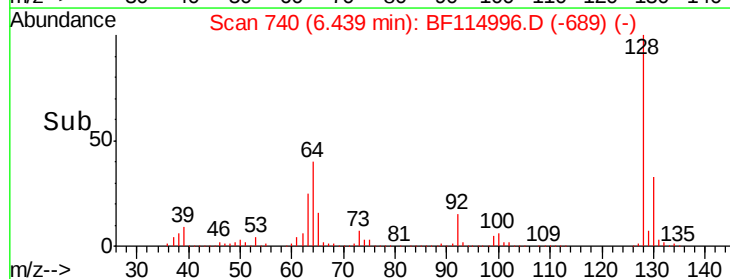
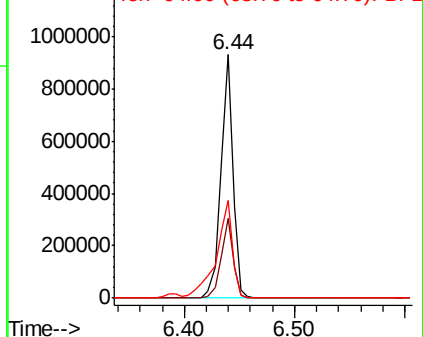
128 100

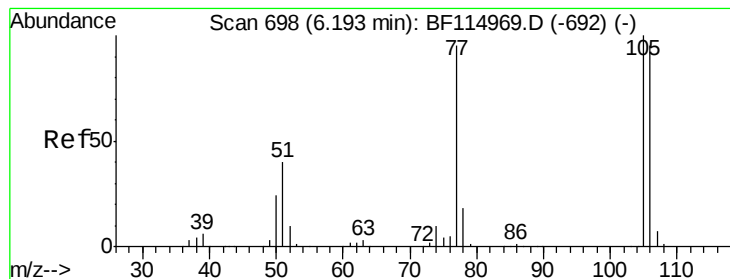
130 32.9 13.4 53.4

64 39.9 20.1 60.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 7.590 ng

RT: 6.19 min Scan# 697

Delta R.T. -0.01 min

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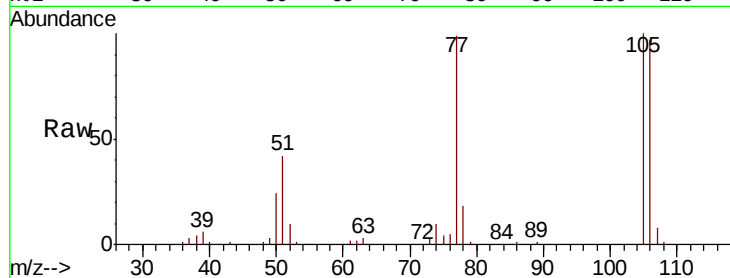
Tot Ion: 77 Resp: 162807

Ion Ratio Lower Upper

77 100

105 100.8 85.1 125.1

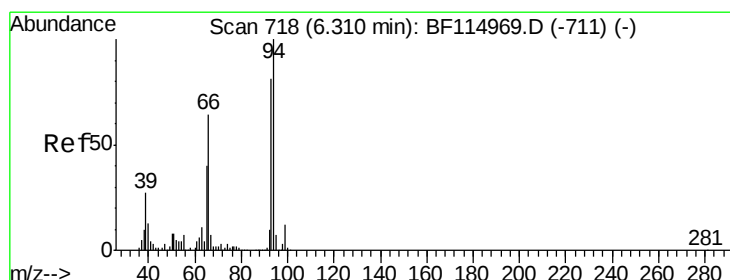
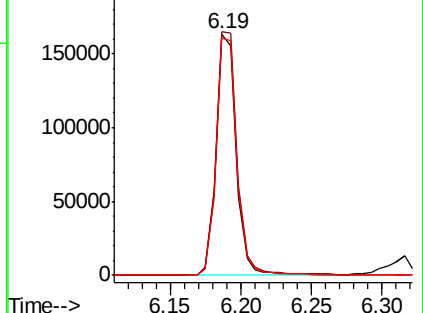
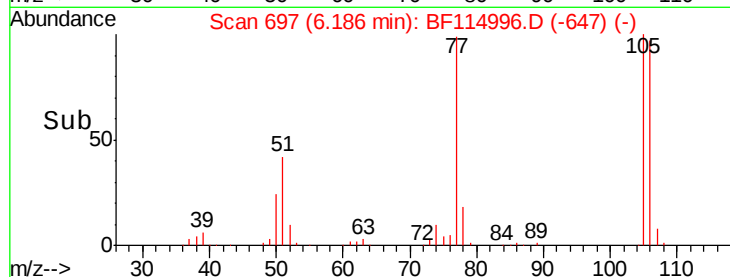
106 98.2 80.0 120.0



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 32.439 ng

RT: 6.32 min Scan# 719

Delta R.T. 0.01 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

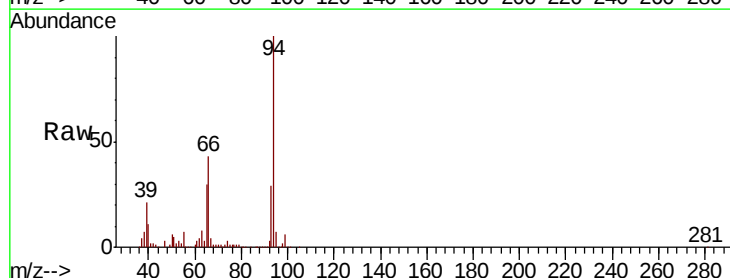
Tgt Ion: 94 Resp: 793861

Ion Ratio Lower Upper

94 100

65 30.1 20.0 60.0

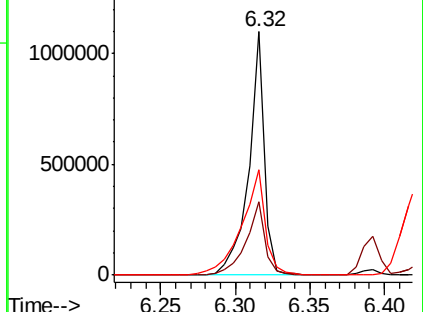
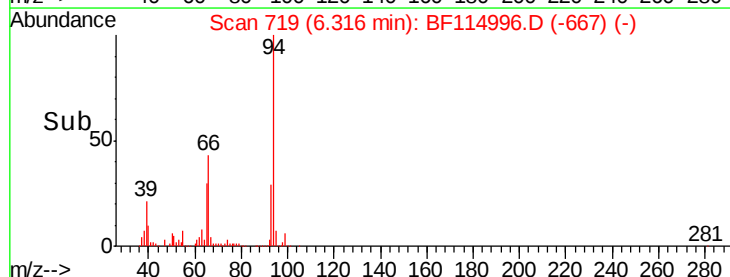
66 43.3 44.1 84.1#

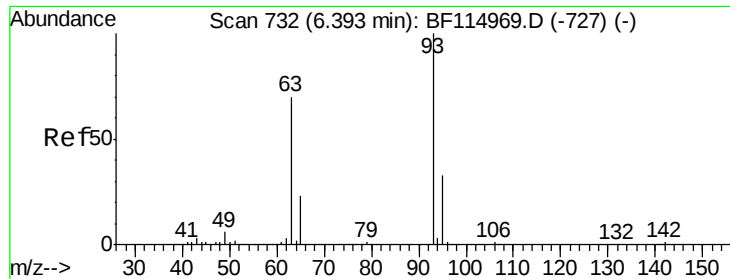


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 34.178 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

Instrument :

BNA_F

ClientSampleId :

200030-200034MSD

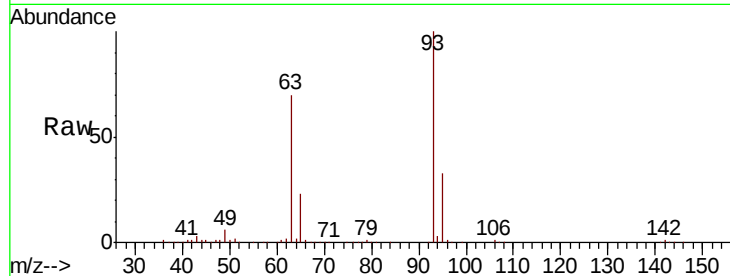
Tot Ion: 93 Resp: 649201

Ion Ratio Lower Upper

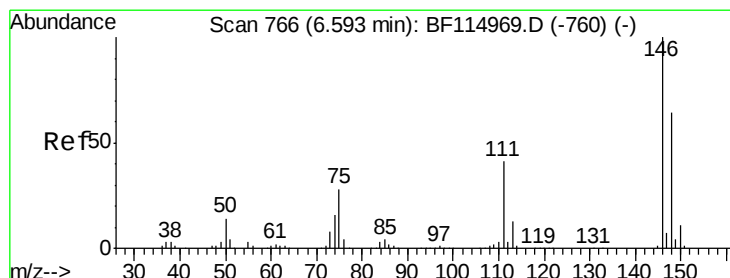
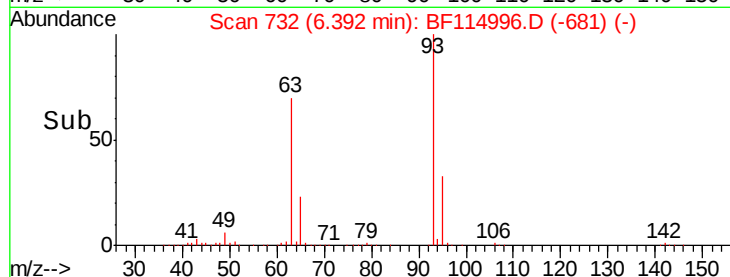
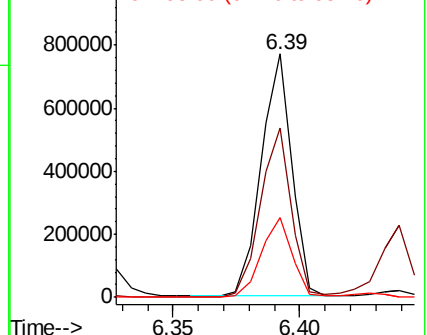
93 100

63 69.8 49.8 89.8

95 32.9 13.3 53.3



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 31.813 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.00 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

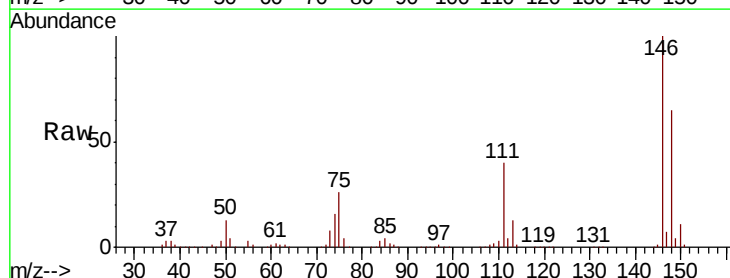
Tgt Ion: 146 Resp: 764011

Ion Ratio Lower Upper

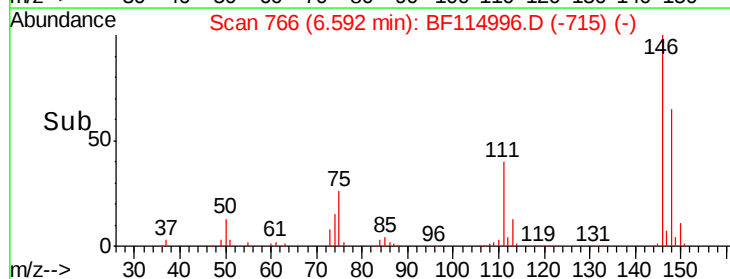
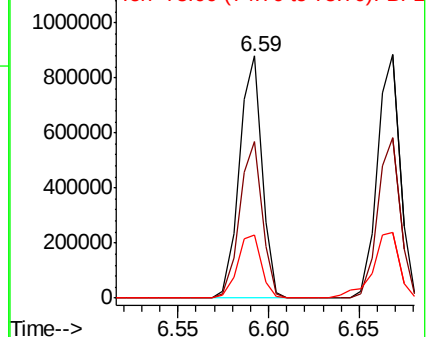
146 100

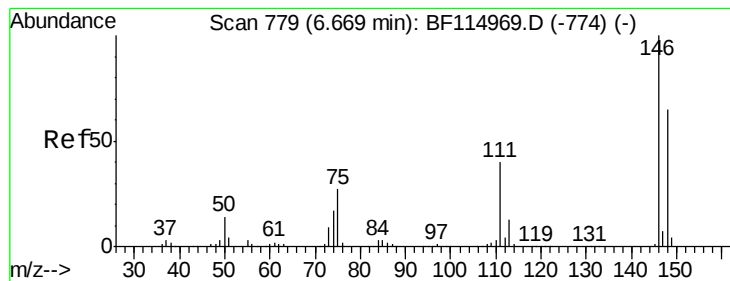
148 64.8 51.6 77.4

75 26.3 22.3 33.5



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 32.053 ng

RT: 6.67 min Scan# 779

Delta R.T. -0.00 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

Instrument :

BNA_F

ClientSampleId :

200030-200034MSD

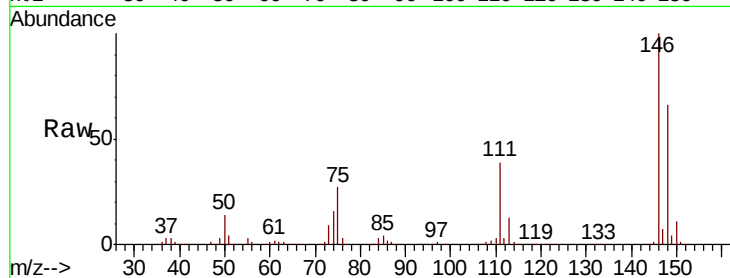
Tot Ion:146 Resp: 773896

Ion Ratio Lower Upper

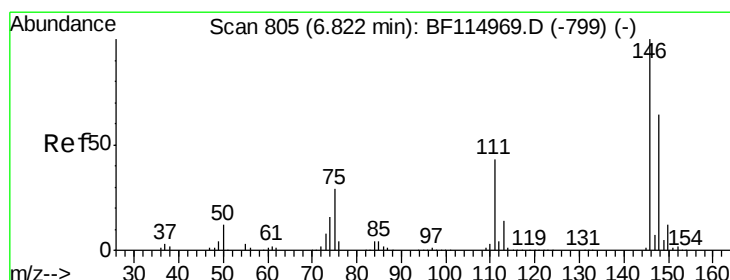
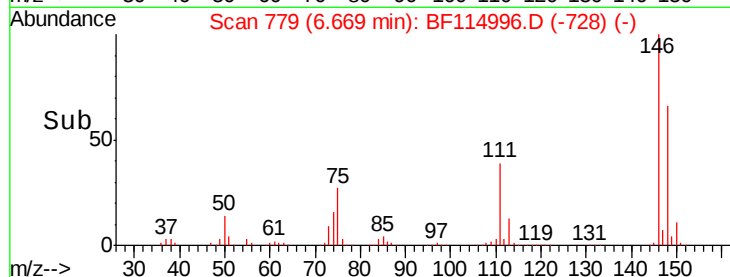
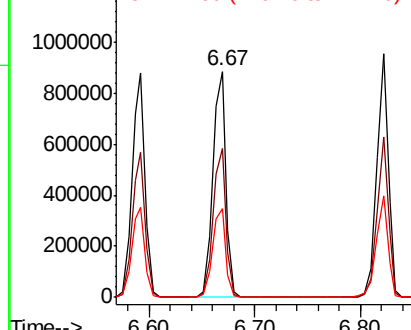
146 100

148 65.9 52.2 78.2

111 39.3 32.4 48.6



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 31.640 ng

RT: 6.82 min Scan# 805

Delta R.T. -0.00 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

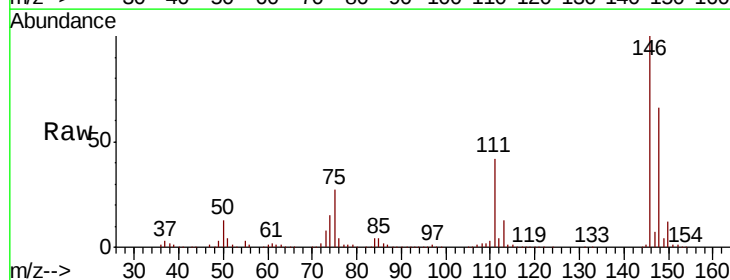
Tgt Ion:146 Resp: 719208

Ion Ratio Lower Upper

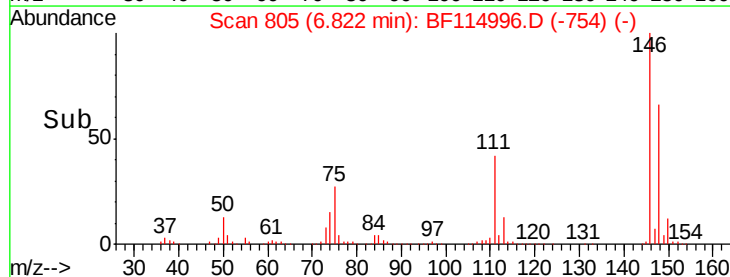
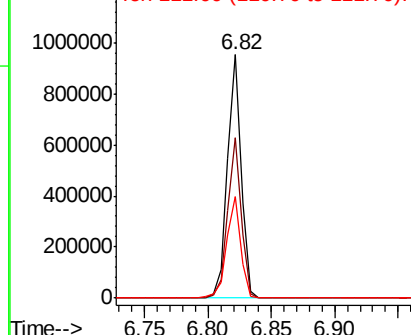
146 100

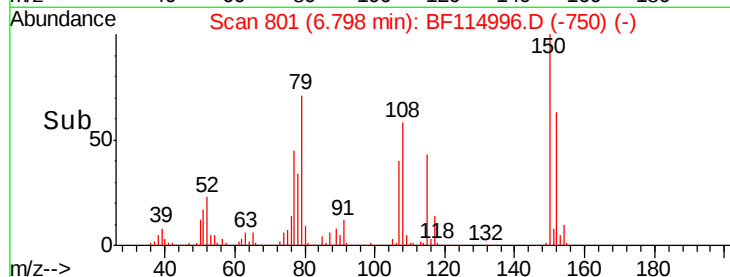
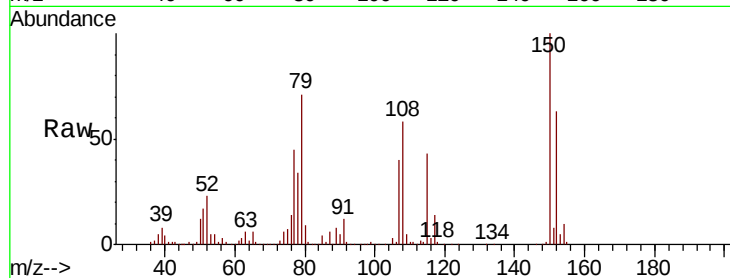
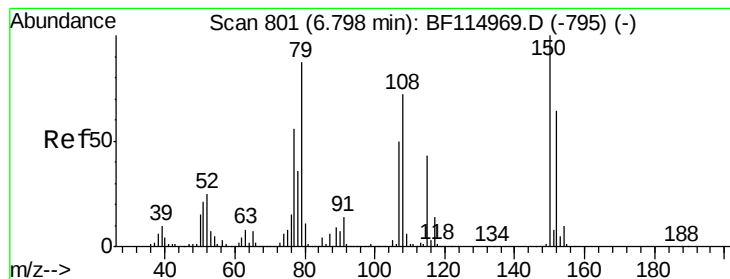
148 65.6 51.5 77.3

111 41.7 34.6 51.8



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 33.363 ng

RT: 6.80 min Scan# 801

Delta R.T. -0.00 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

Instrument :

BNA_F

ClientSampleId :

200030-200034MSD

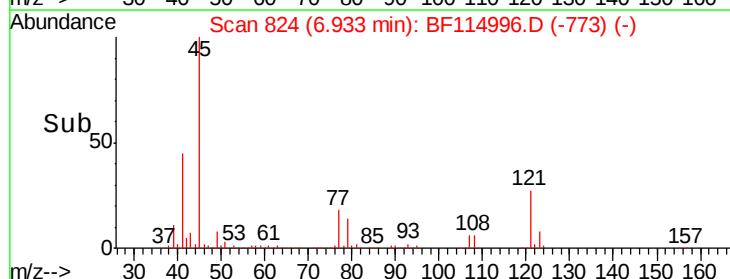
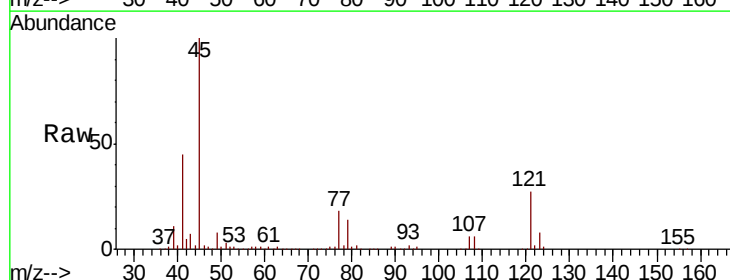
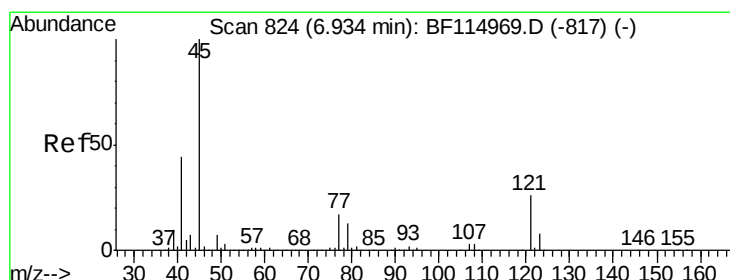
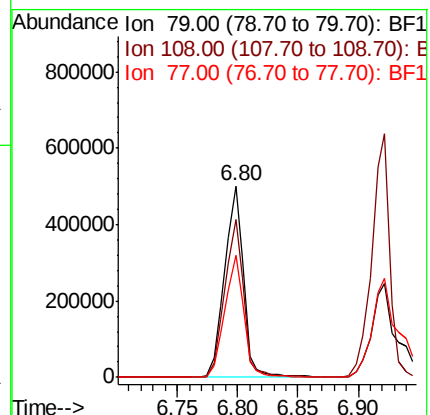
Tot Ion: 79 Resp: 546754

Ion Ratio Lower Upper

79 100

108 82.2 66.0 99.0

77 63.8 51.1 76.7



#16

2,2'-oxybis(1-Chloropropane)

Concen: 33.061 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.00 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

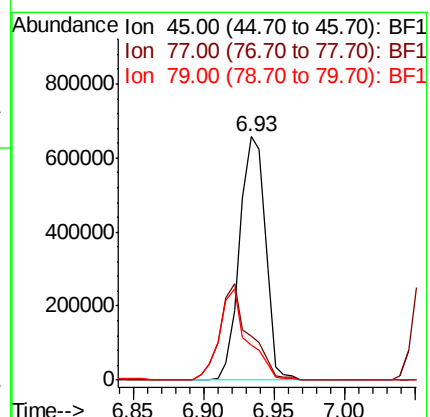
Tgt Ion: 45 Resp: 840481

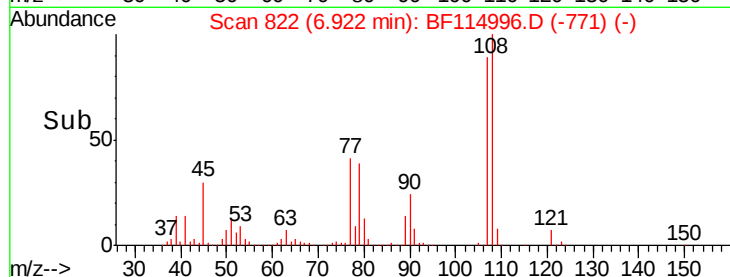
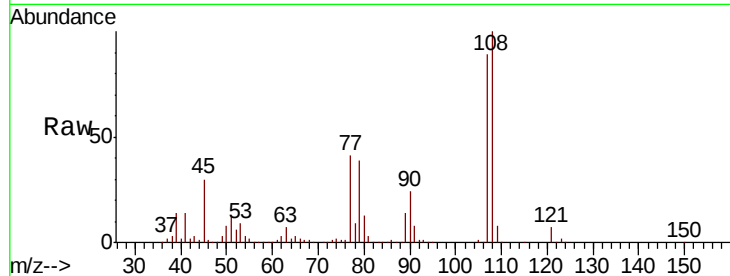
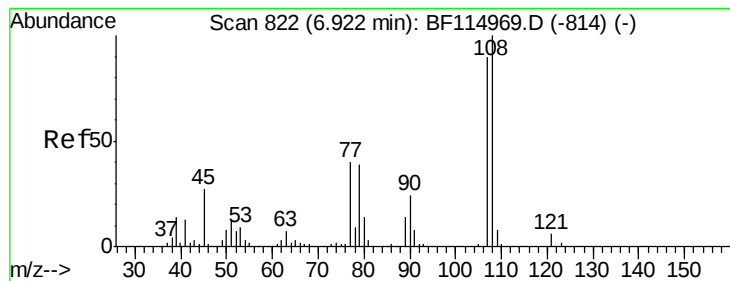
Ion Ratio Lower Upper

45 100

77 18.1 0.0 37.0

79 14.2 0.0 33.1





#17

2-Methylphenol

Concen: 34.351 ng

RT: 6.92 min Scan# 822

Delta R.T. -0.00 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

Instrument :

BNA_F

ClientSampleId :

200030-200034MSD

Tot Ion:107 Resp: 589109

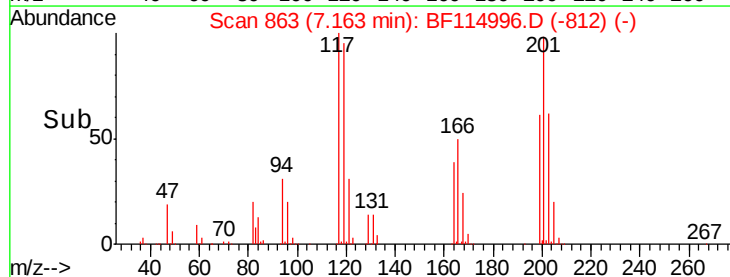
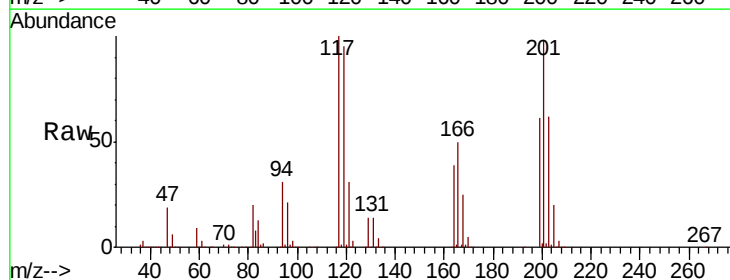
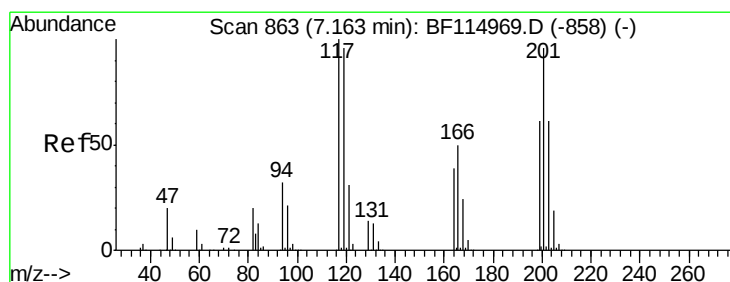
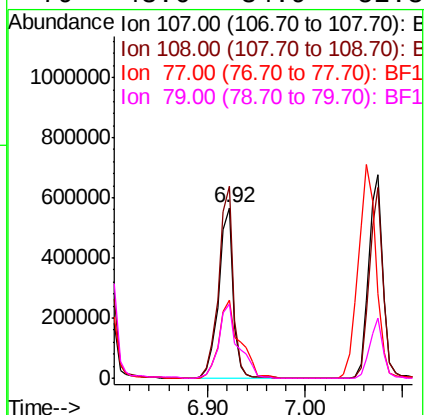
Ion Ratio Lower Upper

107 100

108 112.5 89.3 133.9

77 45.8 35.4 53.2

79 43.6 34.9 52.3



#18

Hexachloroethane

Concen: 29.926 ng

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

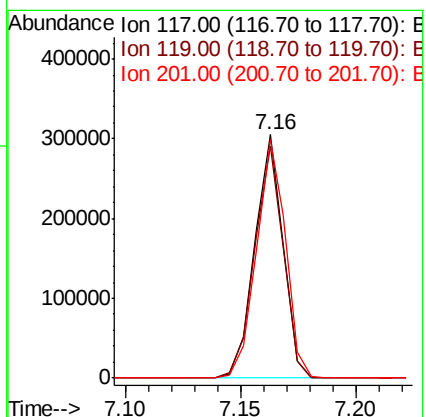
Tgt Ion:117 Resp: 260933

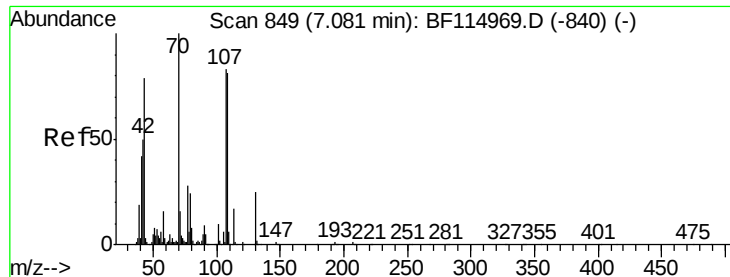
Ion Ratio Lower Upper

117 100

119 95.4 77.0 115.4

201 97.8 76.6 115.0

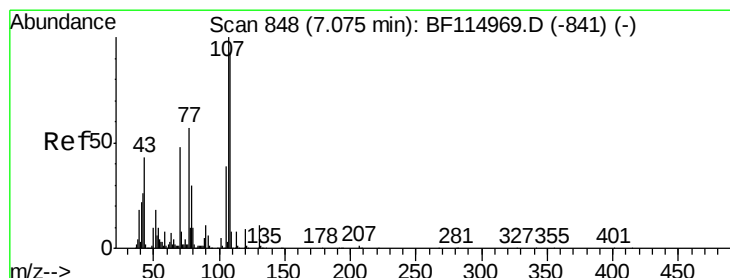
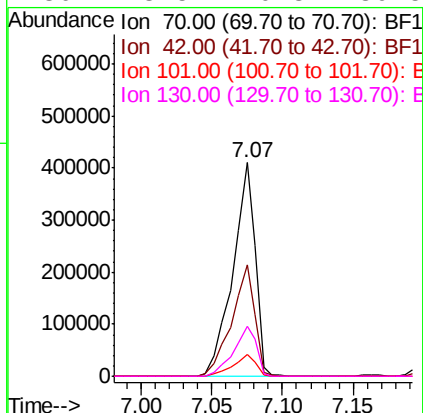
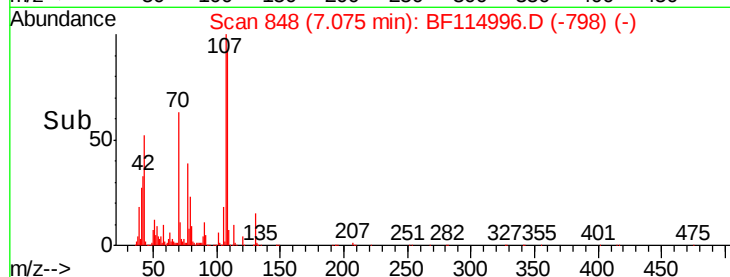
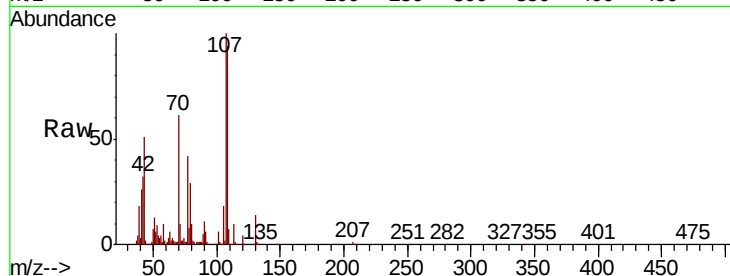




#19
n-Nitroso-di-n-propylamine
Concen: 33.952 ng
RT: 7.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

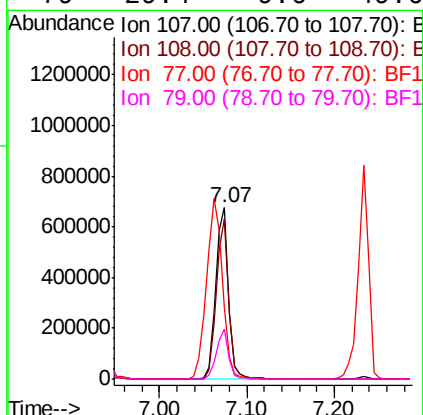
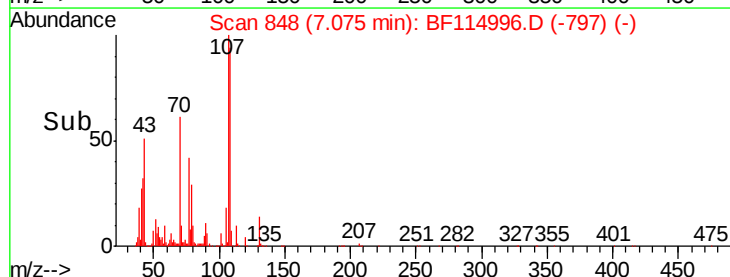
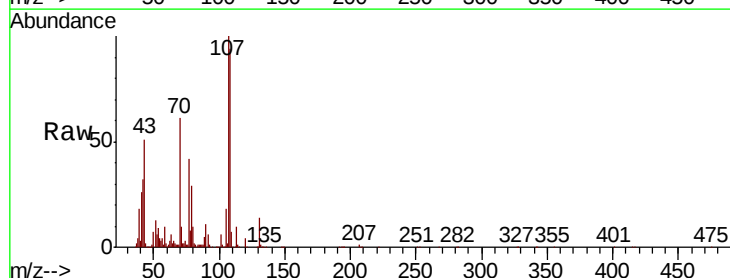
Instrument :
BNA_F
ClientSampleId :
200030-200034MSD

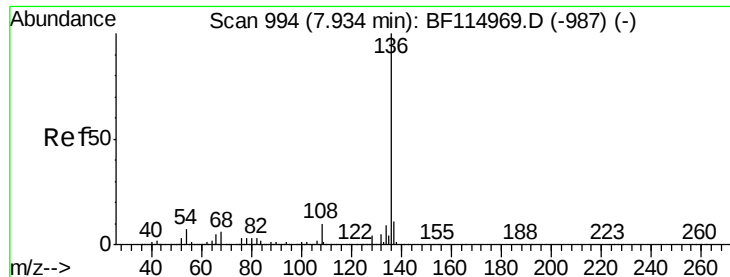
Tot Ion:	70	Resp:	451208
Ion	Ratio	Lower	Upper
70	100		
42	51.9	40.3	60.5
101	10.0	8.2	12.4
130	23.5	20.3	30.5



#20
3+4-Methylphenols
Concen: 33.452 ng
RT: 7.07 min Scan# 848
Delta R.T. -0.00 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

Tgt Ion:	107	Resp:	682791
Ion	Ratio	Lower	Upper
107	100		
108	93.8	73.1	113.1
77	41.9	37.3	77.3
79	29.4	9.6	49.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.00 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

Instrument :

BNA_F

ClientSampleId :

200030-200034MSD

Tot Ion:136 Resp: 1154491

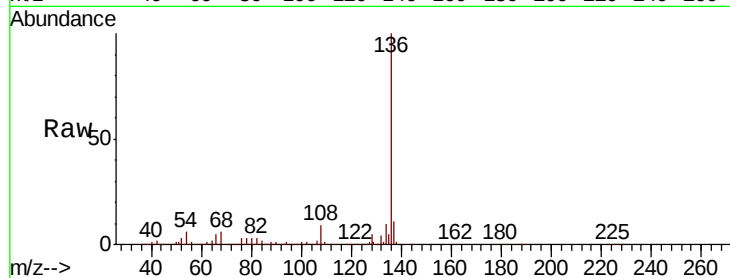
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 6.4 5.4 8.0

68 5.6 4.6 7.0

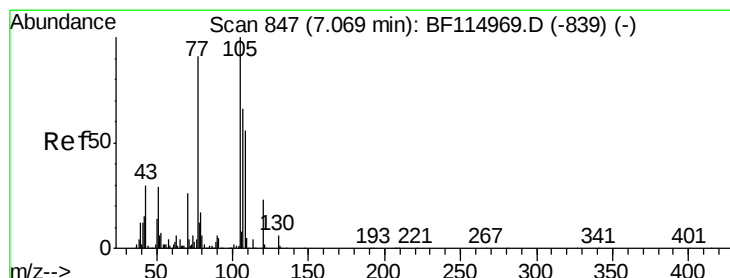
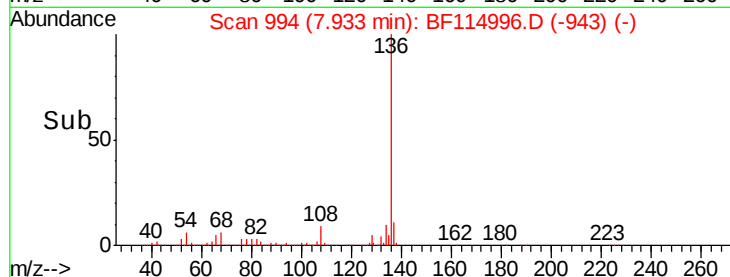
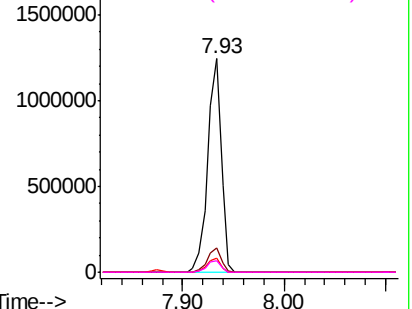


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 37.110 ng

RT: 7.06 min Scan# 846

Delta R.T. -0.01 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

Tgt Ion:105 Resp: 969827

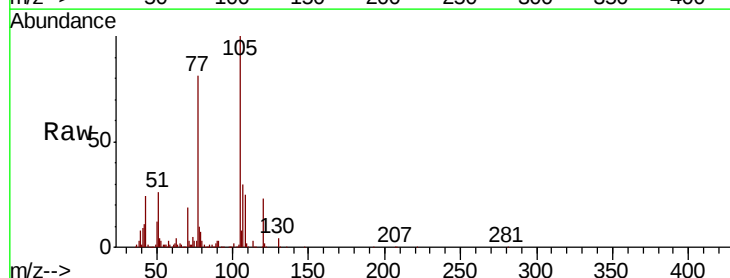
Ion Ratio Lower Upper

105 100

71 3.1 3.4 5.2#

51 26.1 23.3 34.9

120 22.9 18.8 28.2

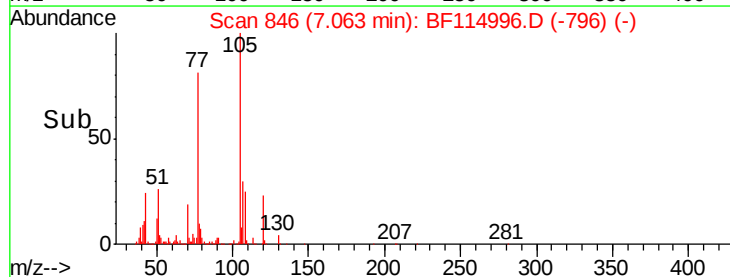
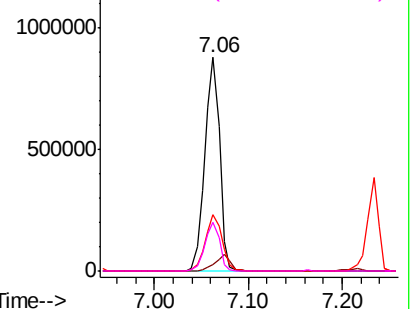


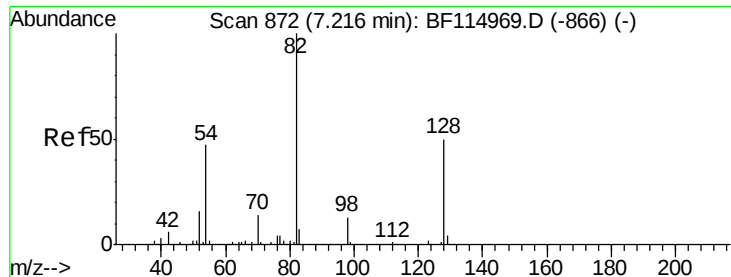
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

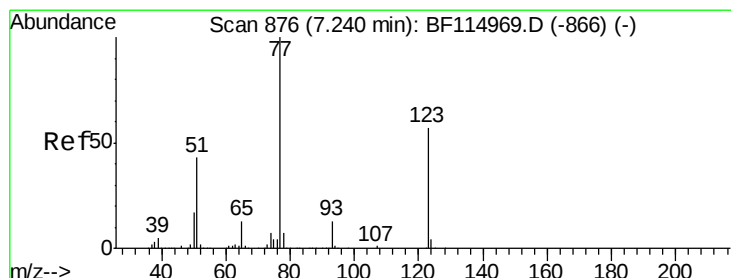
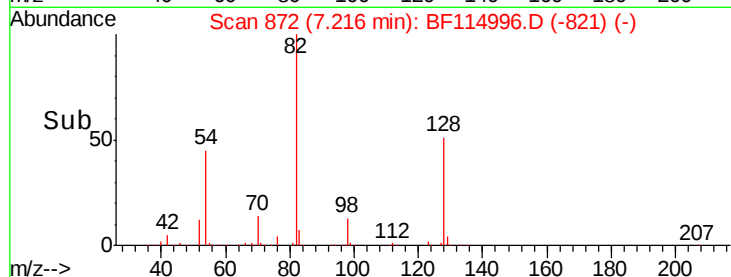
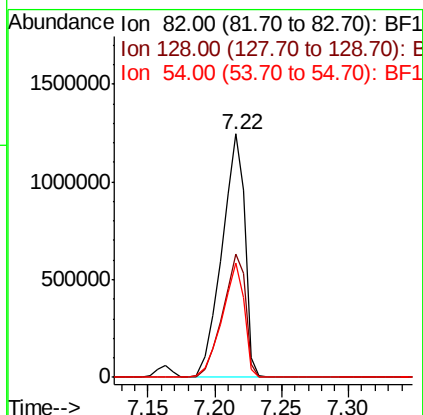
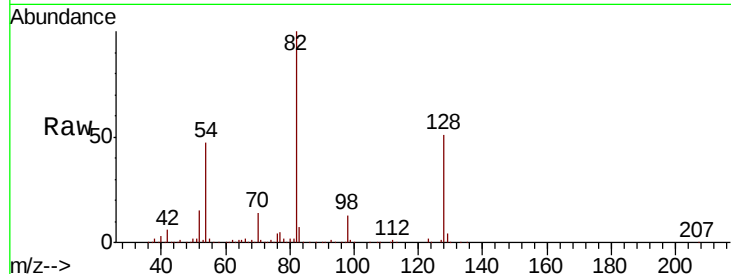




#23
 Nitrobenzene-d5
 Concen: 78.665 ng
 RT: 7.22 min Scan# 872
 Delta R.T. -0.00 min
 Lab File: BF114996.D
 Acq: 13 Jun 2019 12:04

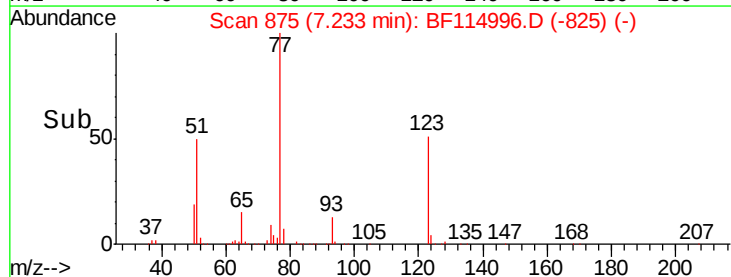
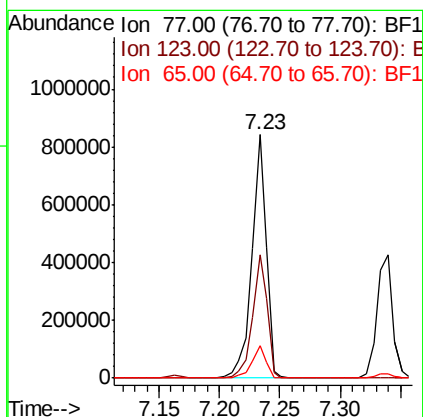
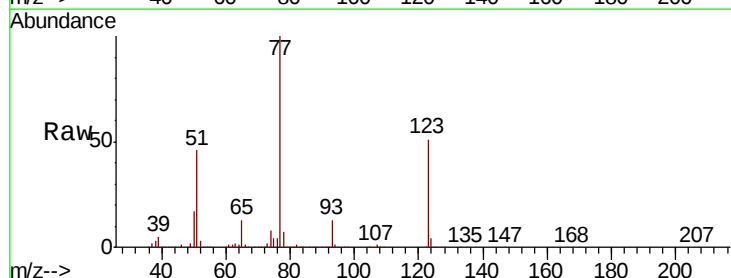
Instrument :
 BNA_F
 ClientSampleId :
 200030-200034MSD

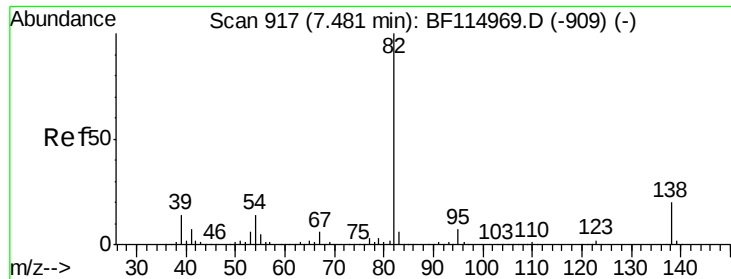
Tot Ion: 82 Resp: 1508795
 Ion Ratio Lower Upper
 82 100
 128 50.7 39.9 59.9
 54 46.7 37.3 55.9



#24
 Nitrobenzene
 Concen: 36.156 ng
 RT: 7.23 min Scan# 875
 Delta R.T. -0.01 min
 Lab File: BF114996.D
 Acq: 13 Jun 2019 12:04

Tgt Ion: 77 Resp: 705567
 Ion Ratio Lower Upper
 77 100
 123 50.9 45.5 68.3
 65 13.4 10.3 15.5

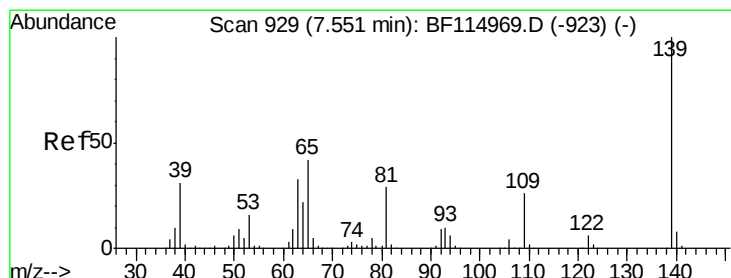
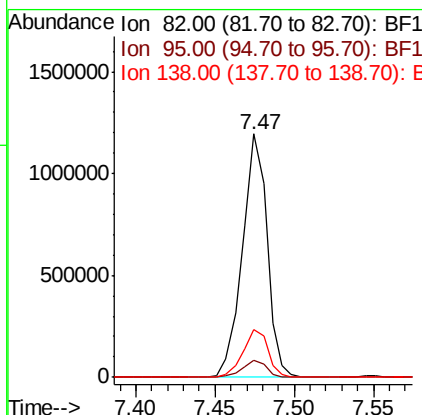
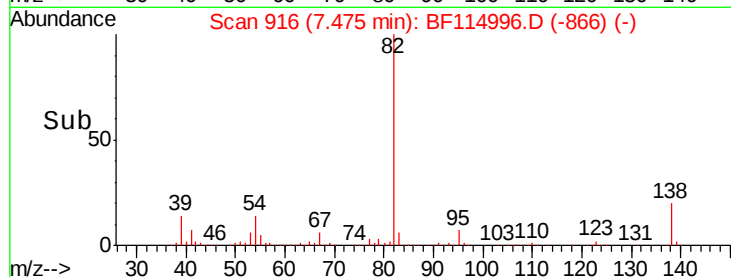
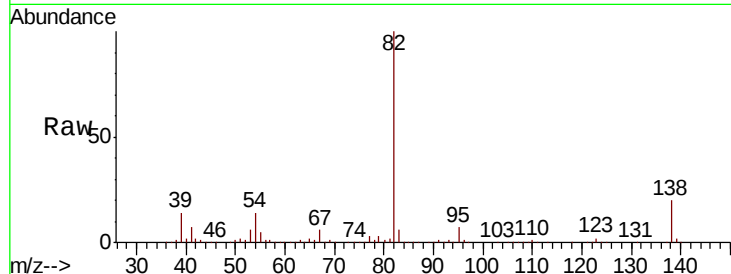




#25
Isophorone
Concen: 35.999 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

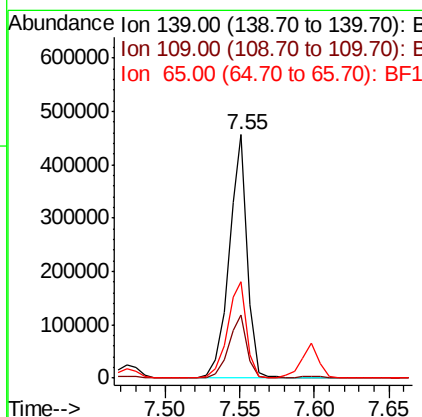
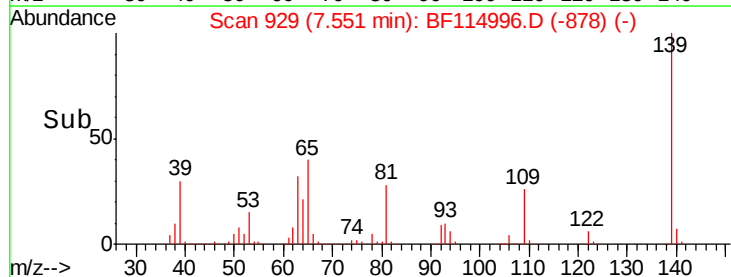
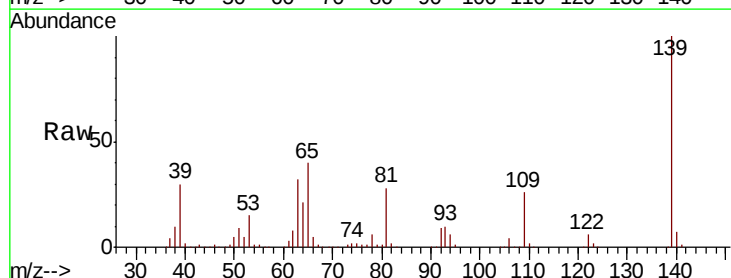
Instrument :
BNA_F
ClientSampleId :
200030-200034MSD

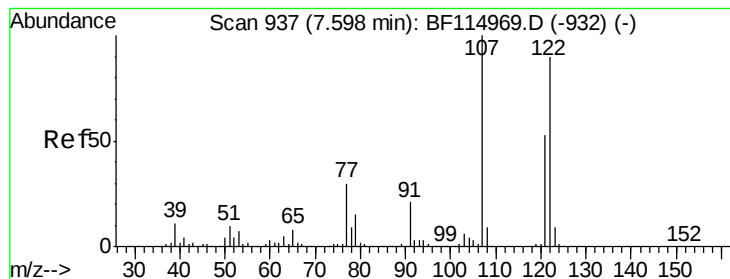
Tot Ion: 82 Resp: 1293187
Ion Ratio Lower Upper
82 100
95 7.2 5.6 8.4
138 19.9 16.1 24.1



#26
2-Nitrophenol
Concen: 36.019 ng
RT: 7.55 min Scan# 929
Delta R.T. -0.00 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

Tgt Ion: 139 Resp: 391790
Ion Ratio Lower Upper
139 100
109 25.7 20.8 31.2
65 39.7 33.4 50.2





#27

2,4-Dimethylphenol

Concen: 39.398 ng

RT: 7.60 min Scan# 937

Delta R.T. -0.00 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

Instrument :

BNA_F

ClientSampleId :

200030-200034MSD

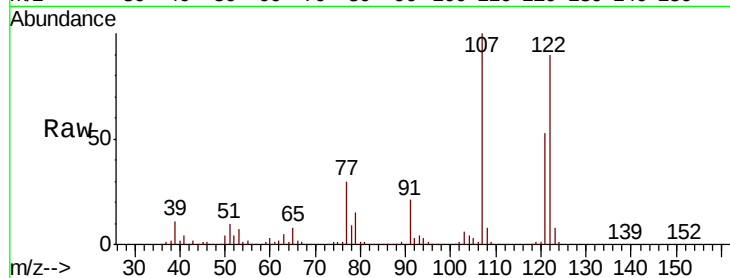
Tot Ion:122 Resp: 618213

Ion Ratio Lower Upper

122 100

107 111.0 88.8 133.2

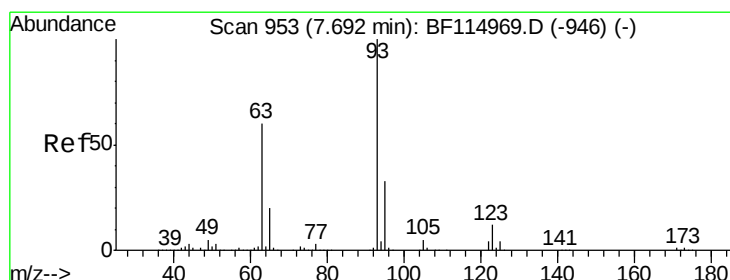
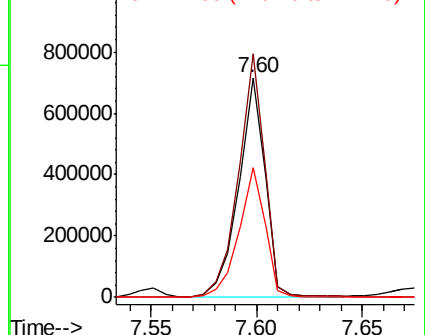
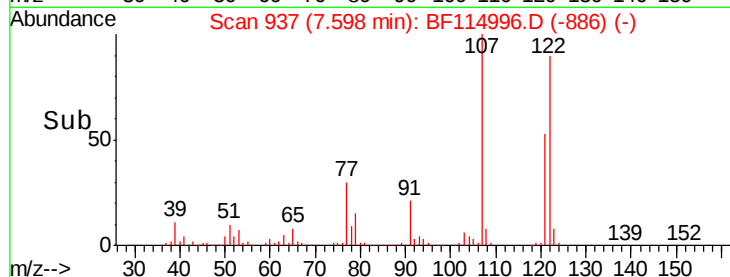
121 59.1 47.4 71.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 35.394 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.00 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

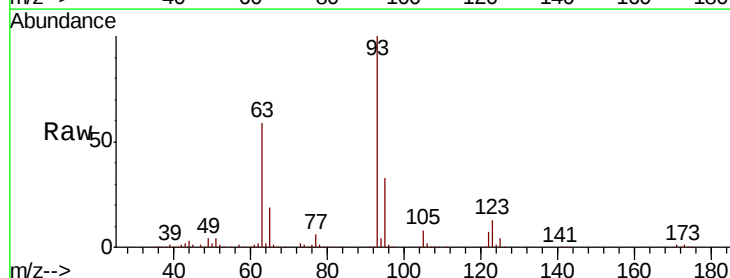
Tgt Ion: 93 Resp: 815753

Ion Ratio Lower Upper

93 100

95 33.2 26.6 40.0

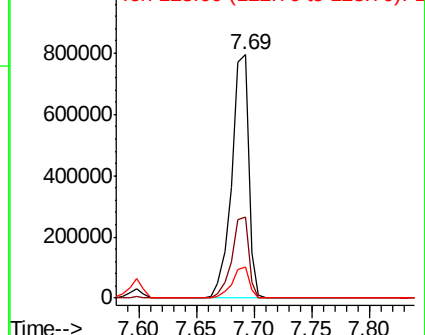
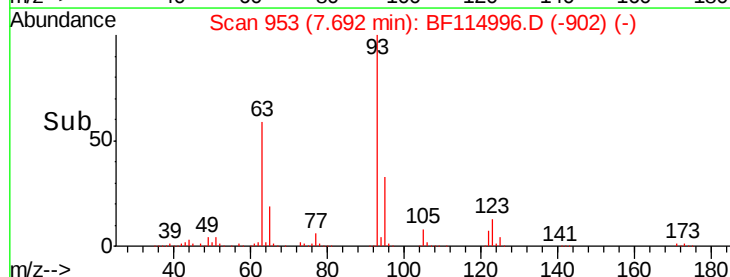
123 12.8 9.9 14.9

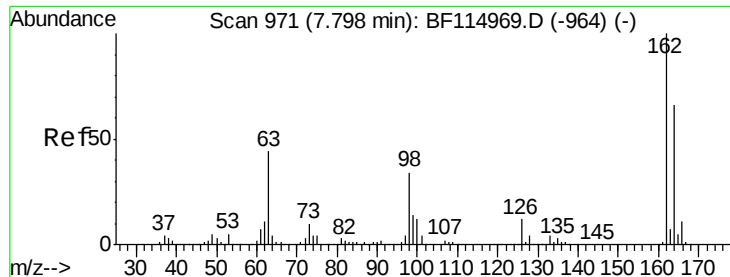


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

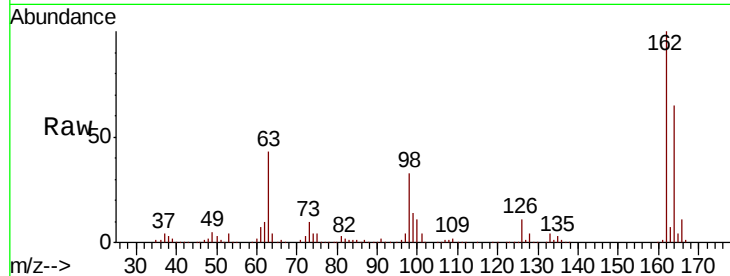




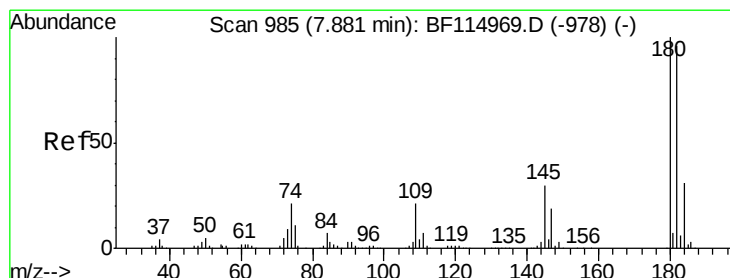
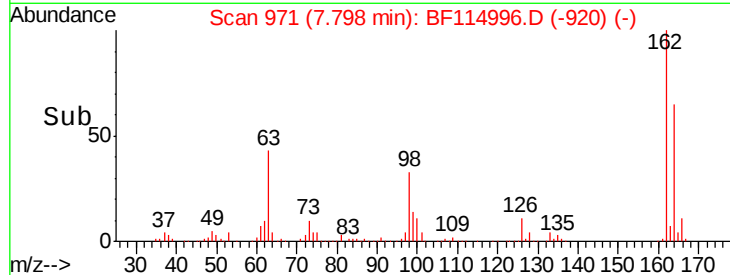
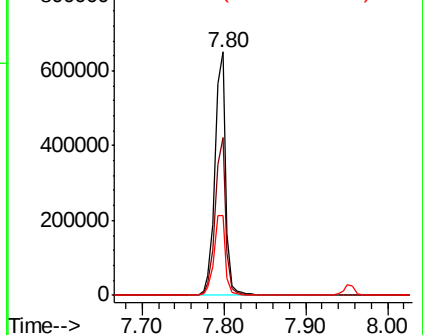
#29
 2,4-Dichlorophenol
 Concen: 36.262 ng
 RT: 7.80 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: BF114996.D
 Acq: 13 Jun 2019 12:04

Instrument :
 BNA_F
 ClientSampleId :
 200030-200034MSD

Tot Ion:162 Resp: 601106
 Ion Ratio Lower Upper
 162 100
 164 64.8 45.7 85.7
 98 32.7 14.0 54.0

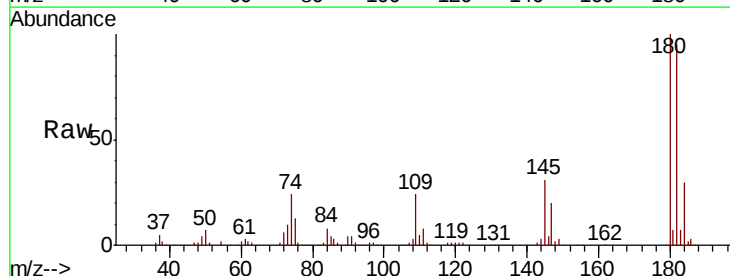


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

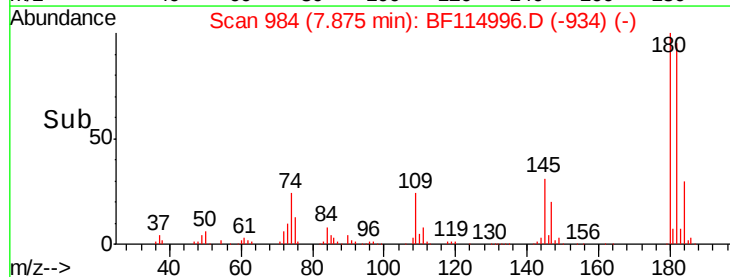
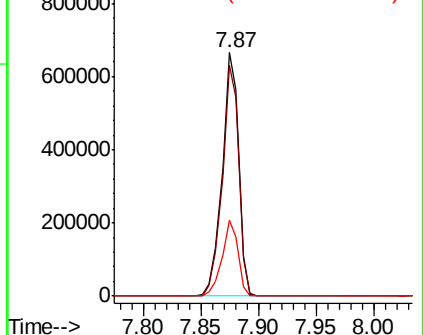


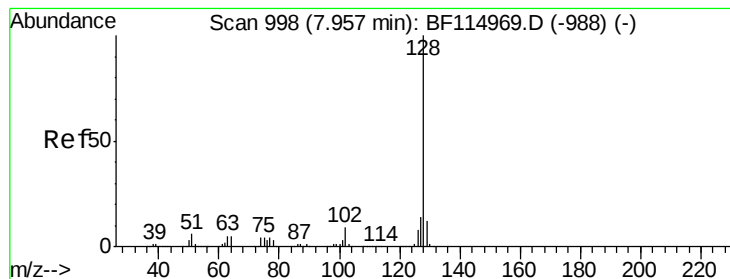
#30
 1,2,4-Trichlorobenzene
 Concen: 34.470 ng
 RT: 7.87 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: BF114996.D
 Acq: 13 Jun 2019 12:04

Tgt Ion:180 Resp: 660231
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.7 115.1
 145 31.1 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 35.793 ng

RT: 7.96 min Scan# 998

Delta R.T. -0.00 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

Instrument :

BNA_F

ClientSampleId :

200030-200034MSD

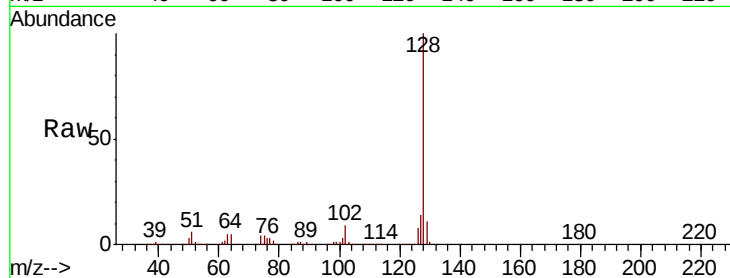
Tot Ion:128 Resp: 1955164

Ion Ratio Lower Upper

128 100

129 11.3 9.5 14.3

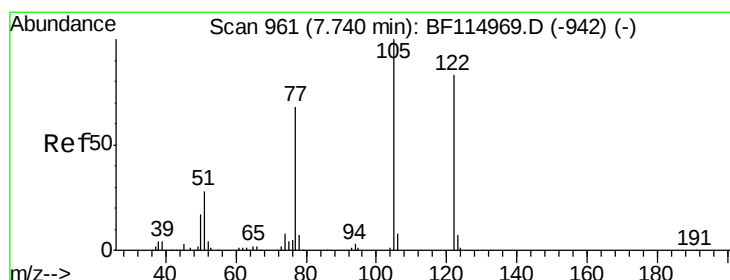
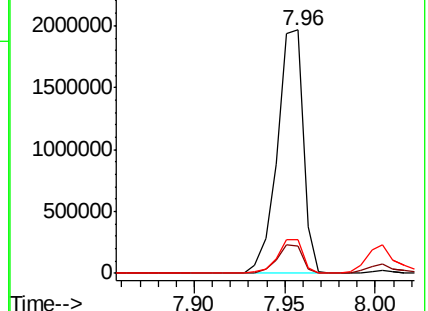
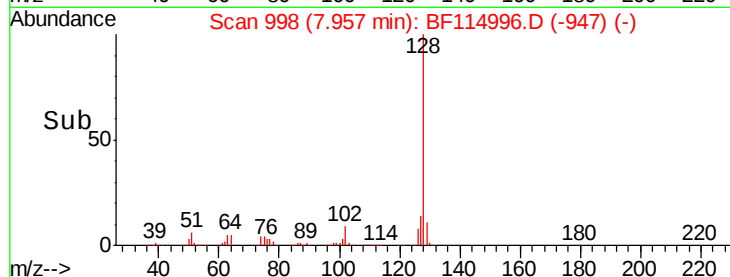
127 13.8 11.5 17.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 10.679 ng

RT: 7.70 min Scan# 954

Delta R.T. -0.04 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

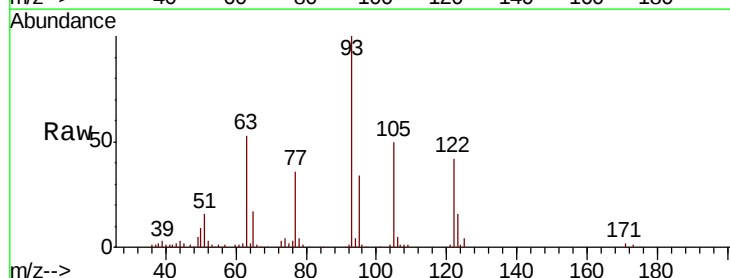
Tgt Ion:122 Resp: 121244

Ion Ratio Lower Upper

122 100

105 117.5 98.6 138.6

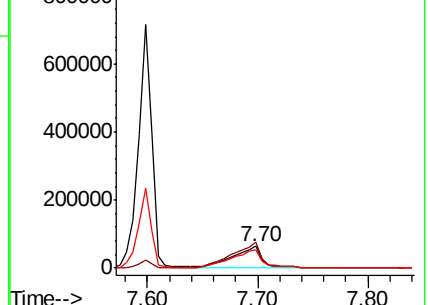
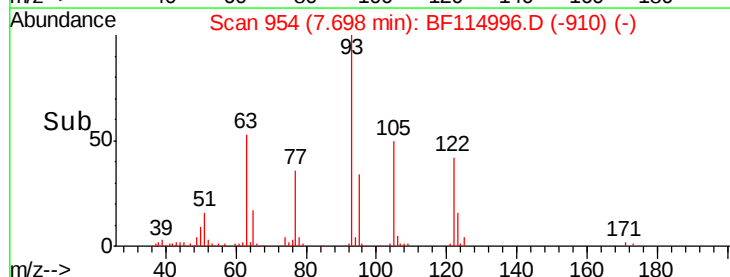
77 85.4 60.9 100.9

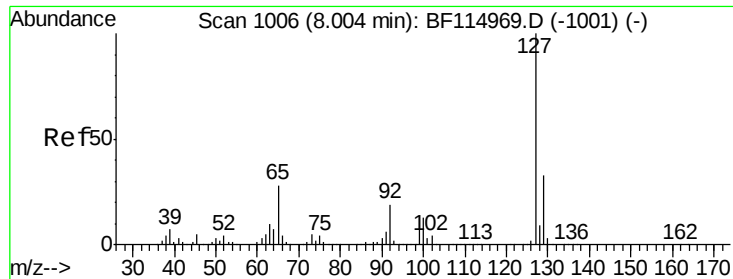


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

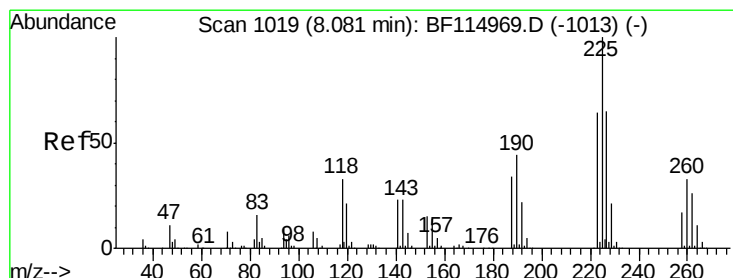
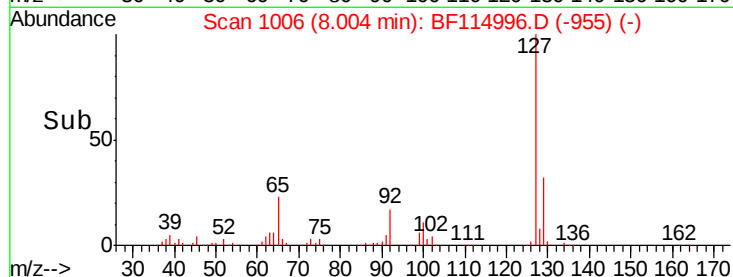
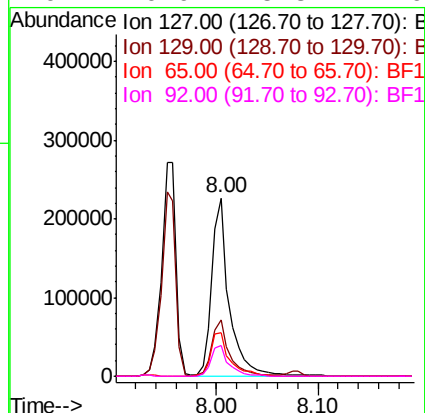
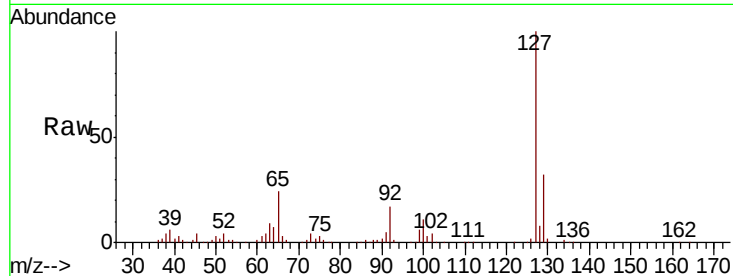




#33
4-Chloroaniline
Concen: 10.655 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

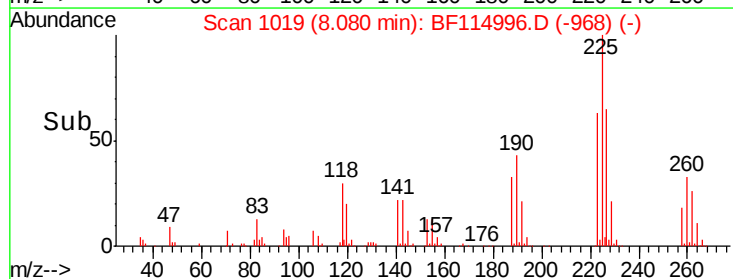
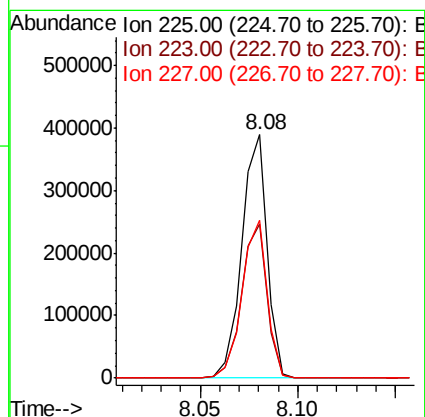
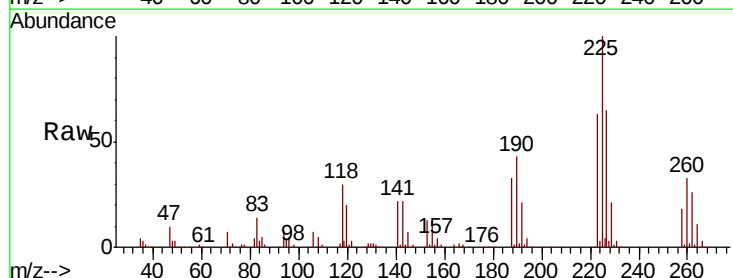
Instrument :
BNA_F
ClientSampleId :
200030-200034MSD

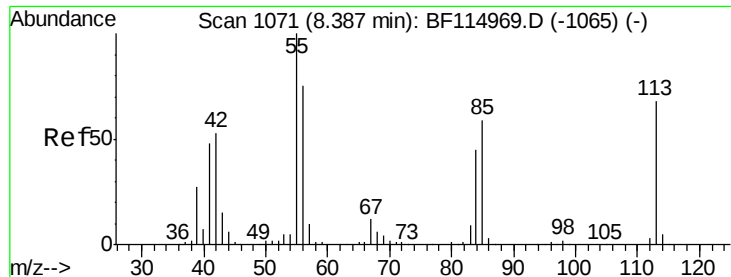
Tot Ion:	127	Resp:	268656
Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.1	39.1
65	24.2	22.3	33.5
92	16.9	15.3	22.9



#34
Hexachlorobutadiene
Concen: 32.836 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

Tgt Ion:	225	Resp:	349590
Ion	Ratio	Lower	Upper
225	100		
223	63.0	51.0	76.6
227	65.0	51.7	77.5

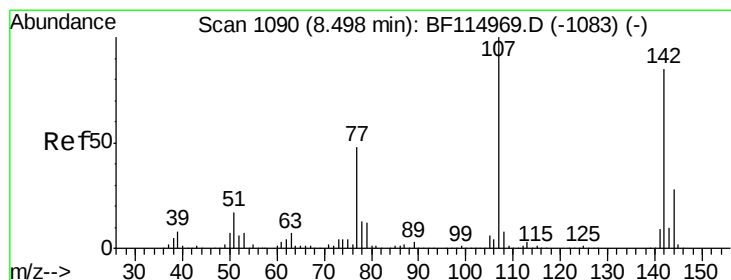
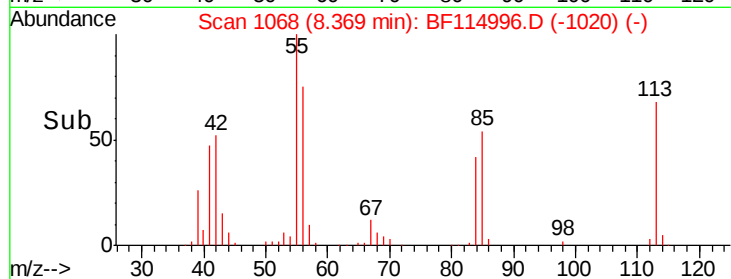
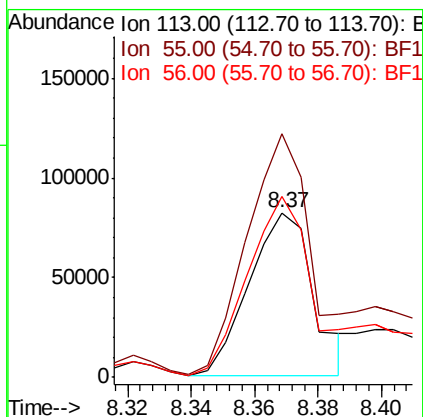
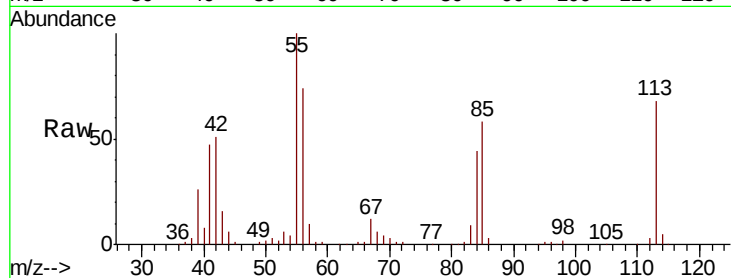




#35
 Caprolactam
 Concen: 20.660 ng
 RT: 8.37 min Scan# 1068
 Delta R.T. -0.02 min
 Lab File: BF114996.D
 Acq: 13 Jun 2019 12:04

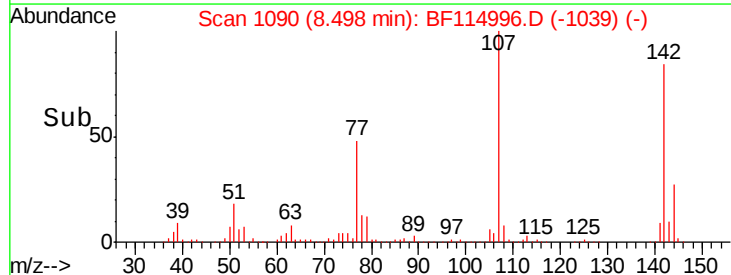
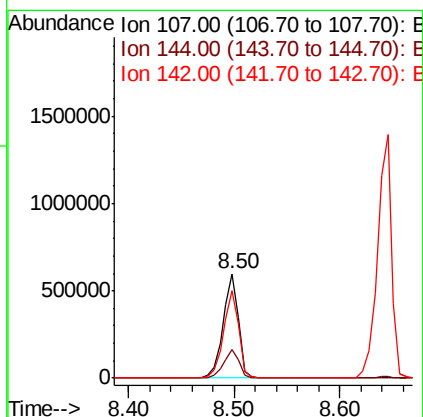
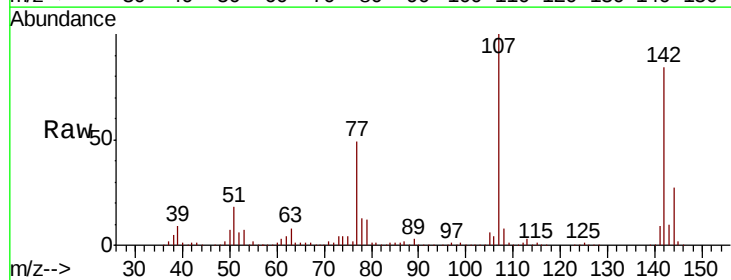
Instrument :
 BNA_F
 ClientSampleId :
 200030-200034MSD

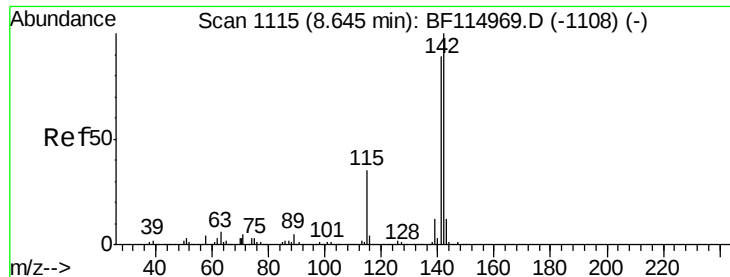
Tot Ion:113 Resp: 114066
 Ion Ratio Lower Upper
 113 100
 55 148.0 127.3 167.3
 56 110.1 90.6 130.6



#36
 4-Chloro-3-methylphenol
 Concen: 36.176 ng
 RT: 8.50 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: BF114996.D
 Acq: 13 Jun 2019 12:04

Tgt Ion:107 Resp: 604321
 Ion Ratio Lower Upper
 107 100
 144 27.2 22.0 33.0
 142 84.1 68.2 102.4

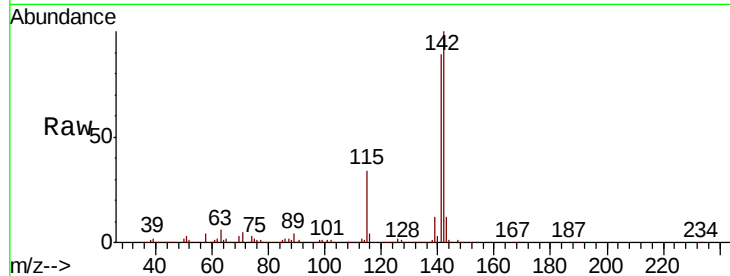




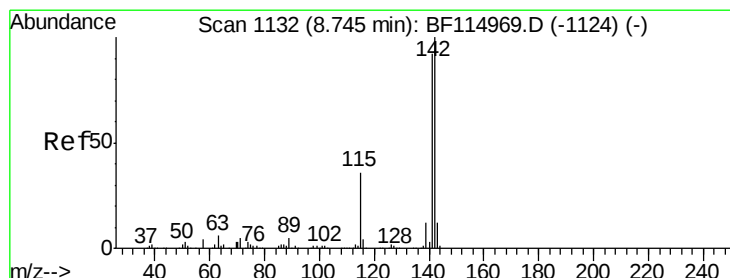
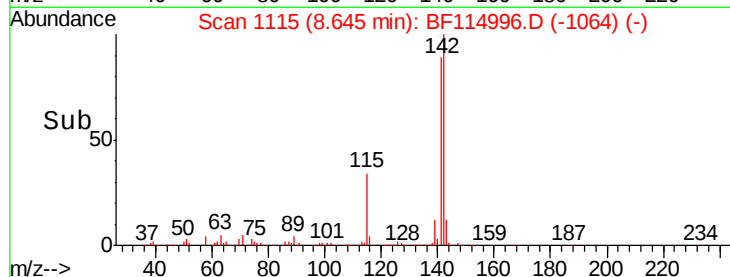
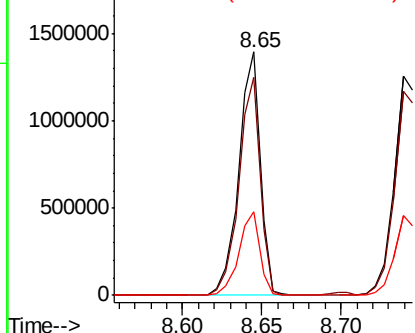
#37
2-Methylnaphthalene
Concen: 35.924 ng
RT: 8.65 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

Instrument :
BNA_F
ClientSampleId :
200030-200034MSD

Tot Ion:142 Resp: 1308800
Ion Ratio Lower Upper
142 100
141 89.5 71.0 106.6
115 34.1 27.9 41.9

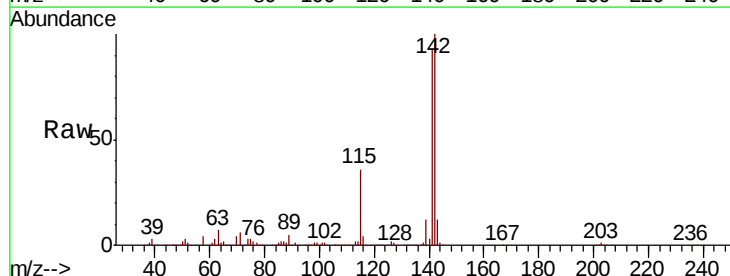


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

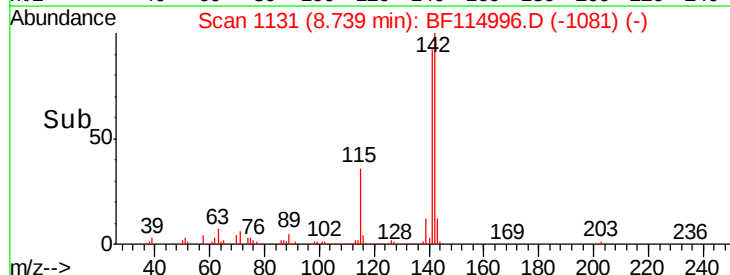
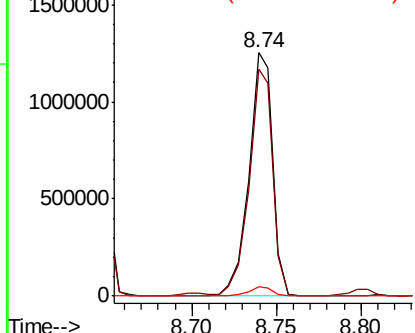


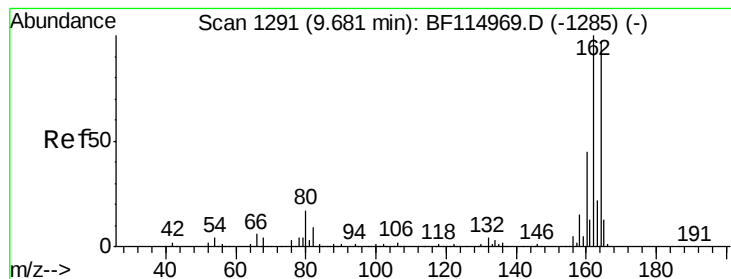
#38
1-Methylnaphthalene
Concen: 35.704 ng
RT: 8.74 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

Tgt Ion:142 Resp: 1229436
Ion Ratio Lower Upper
142 100
141 93.1 73.8 110.8
116 3.8 2.9 4.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

Instrument :

BNA_F

ClientSampleId :

200030-200034MSD

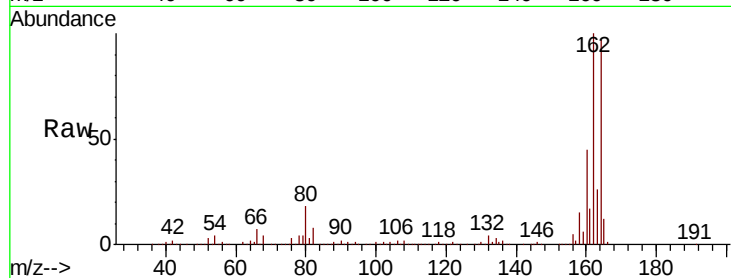
Tot Ion:164 Resp: 526634

Ion Ratio Lower Upper

164 100

162 103.2 82.6 124.0

160 46.7 36.9 55.3

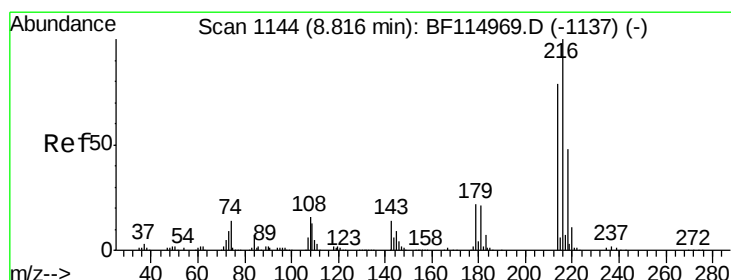
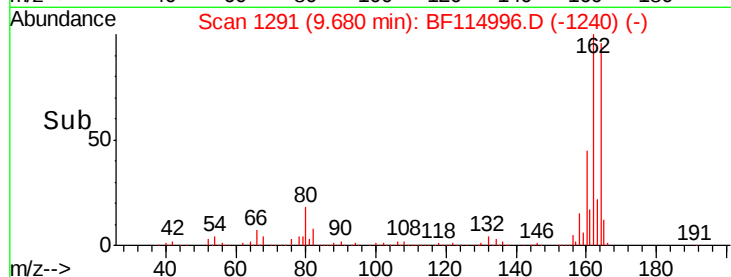
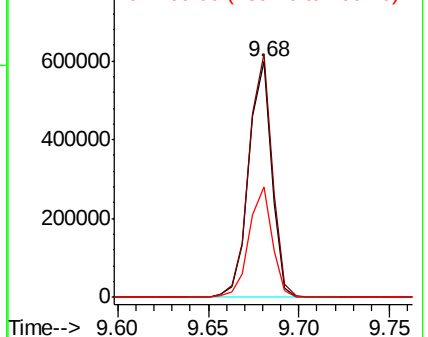


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 37.006 ng

RT: 8.81 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

Tgt Ion:216 Resp: 575773

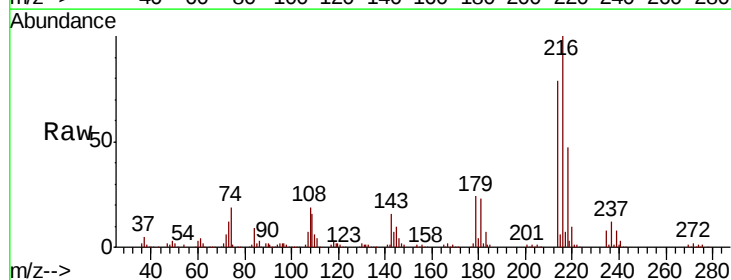
Ion Ratio Lower Upper

216 100

214 78.8 63.7 95.5

179 23.0 18.2 27.4

108 18.6 15.0 22.6



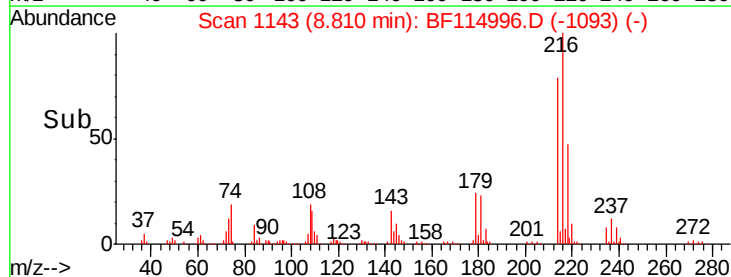
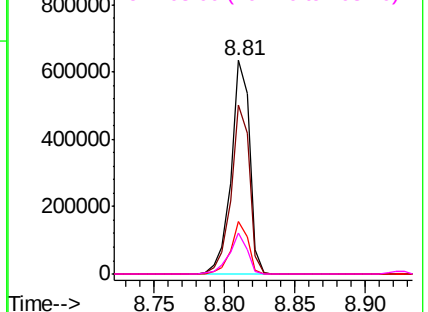
Abundance

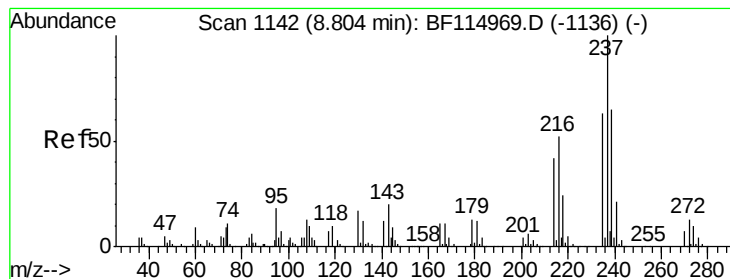
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 36.104 ng

RT: 8.80 min Scan# 1142

Delta R.T. -0.00 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

Instrument :

BNA_F

ClientSampleId :

200030-200034MSD

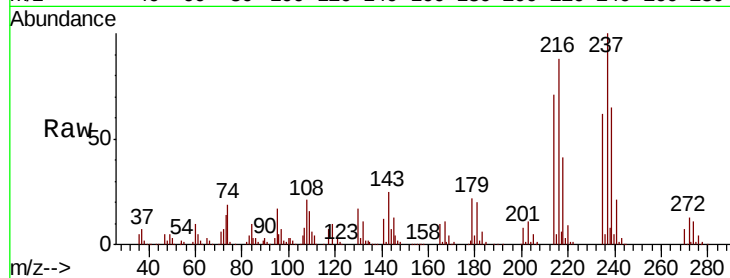
Tot Ion:237 Resp: 276802

Ion Ratio Lower Upper

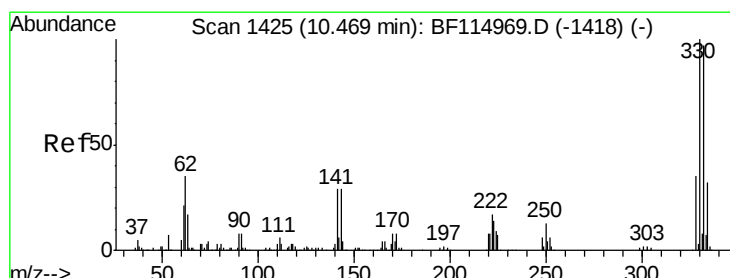
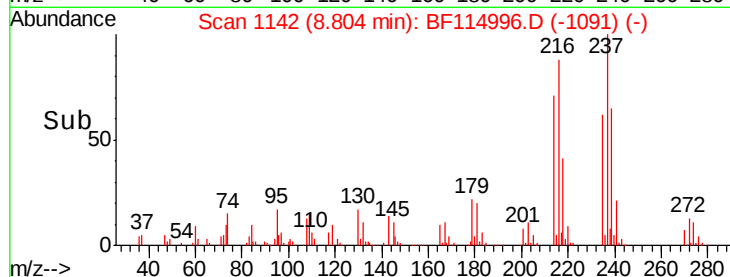
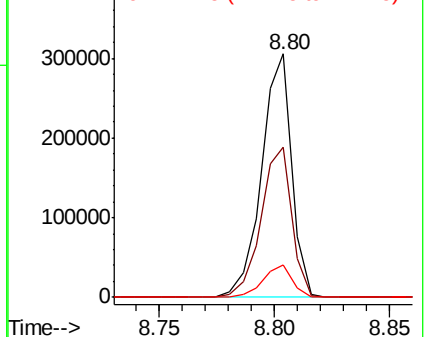
237 100

235 61.7 42.7 82.7

272 13.2 0.0 32.7



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 100.169 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.00 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

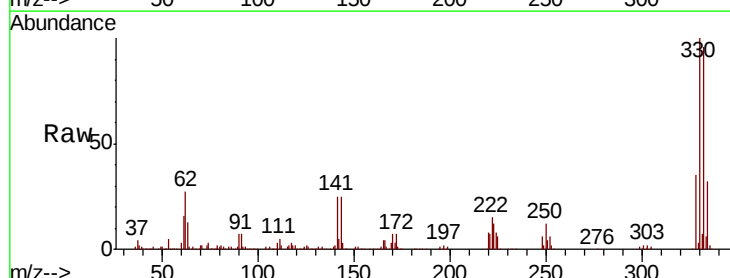
Tgt Ion:330 Resp: 564904

Ion Ratio Lower Upper

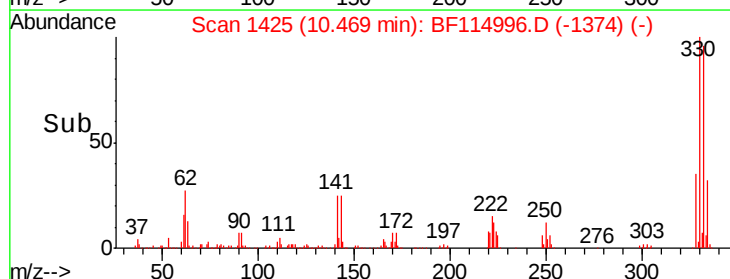
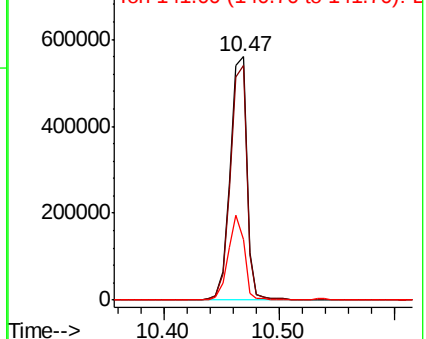
330 100

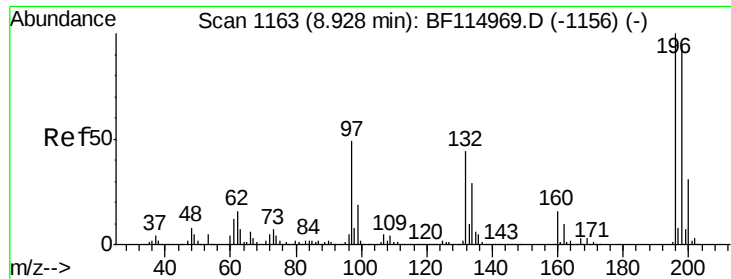
332 95.7 77.6 116.4

141 33.5 27.2 40.8



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

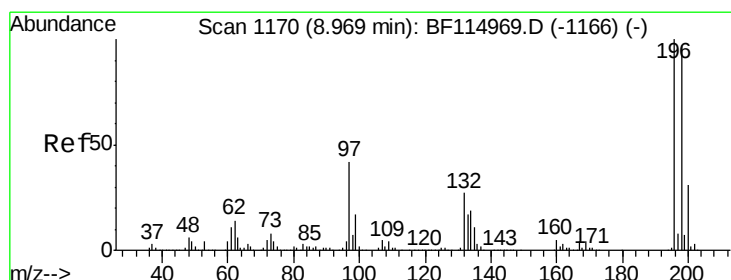
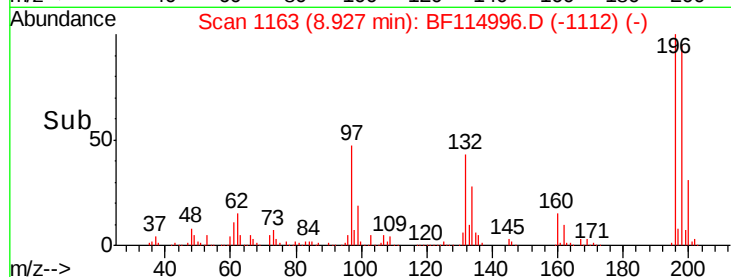
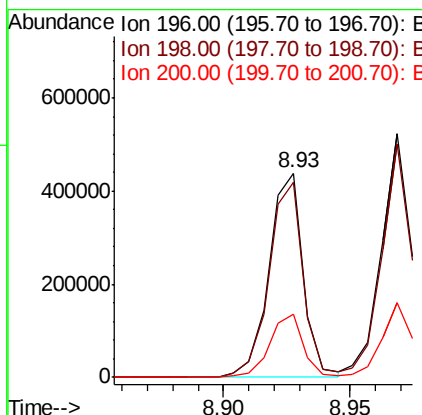
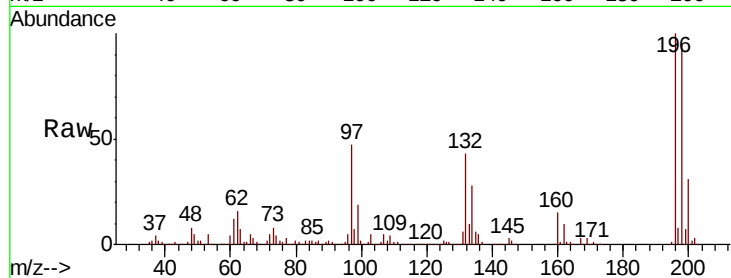




#43
 2,4,6-Trichlorophenol
 Concen: 35.871 ng
 RT: 8.93 min Scan# 1163
 Delta R.T. -0.00 min
 Lab File: BF114996.D
 Acq: 13 Jun 2019 12:04

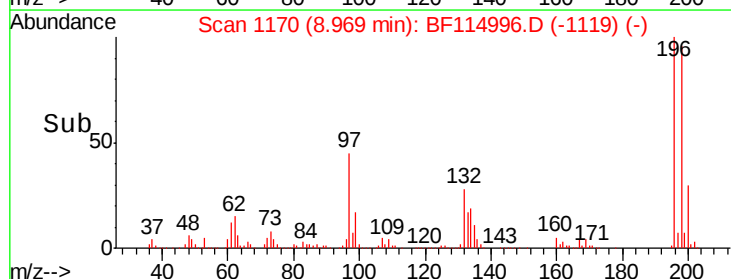
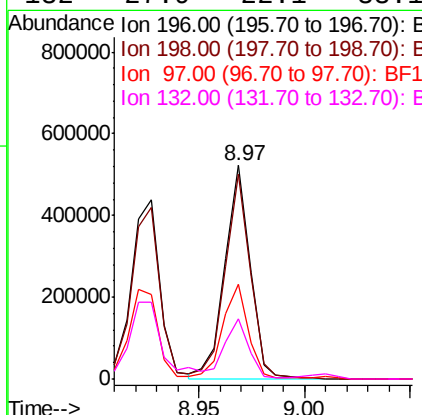
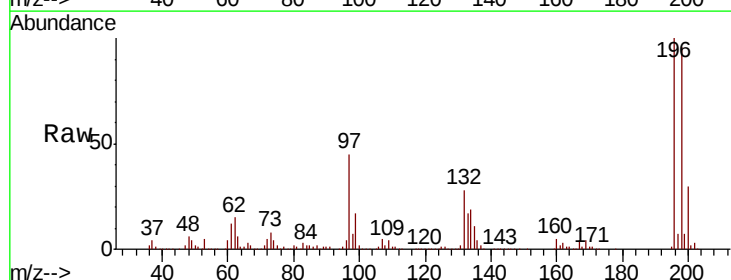
Instrument :
 BNA_F
 ClientSampleId :
 200030-200034MSD

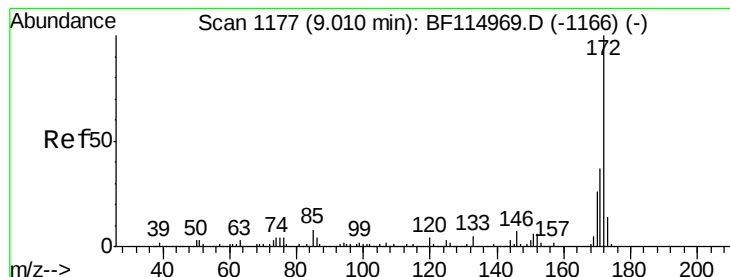
Tot Ion:196 Resp: 416849
 Ion Ratio Lower Upper
 196 100
 198 95.4 75.8 113.8
 200 30.8 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 36.726 ng
 RT: 8.97 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: BF114996.D
 Acq: 13 Jun 2019 12:04

Tgt Ion:196 Resp: 431316
 Ion Ratio Lower Upper
 196 100
 198 95.7 77.3 115.9
 97 44.5 34.2 51.4
 132 27.9 22.1 33.1

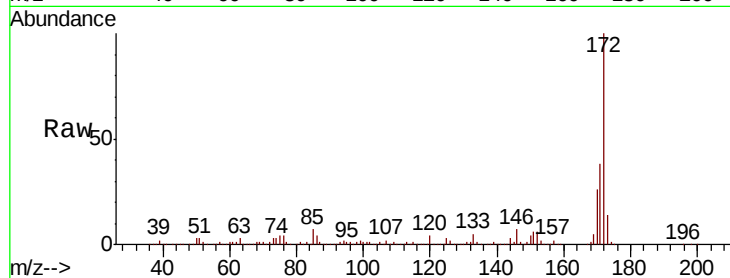




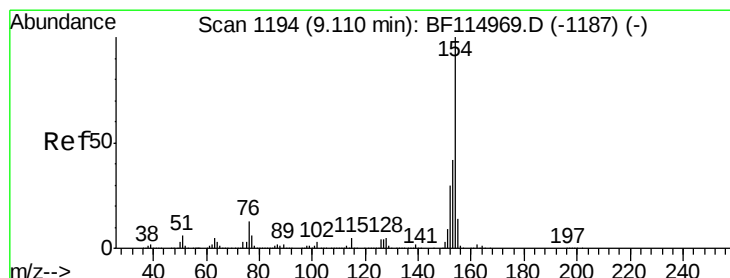
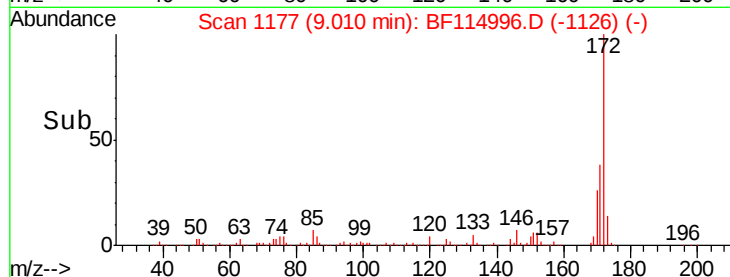
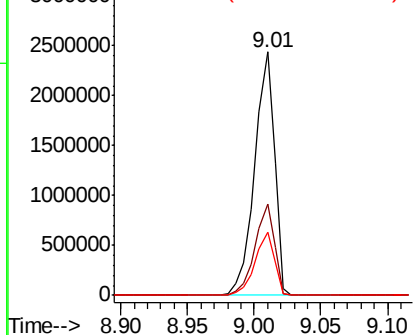
#45
2-Fluorobiphenyl
Concen: 79.806 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.00 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

Instrument :
BNA_F
ClientSampleId :
200030-200034MSD

Tot Ion:172 Resp: 2479805
Ion Ratio Lower Upper
172 100
171 37.6 29.8 44.6
170 25.7 20.6 31.0

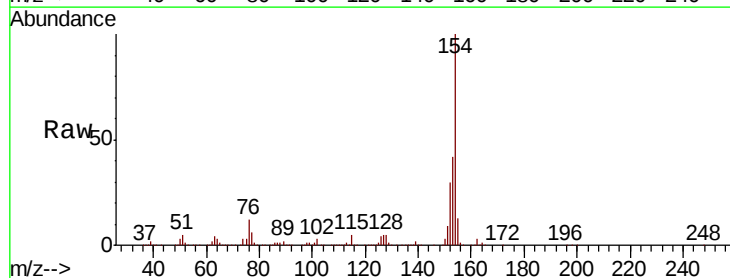


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

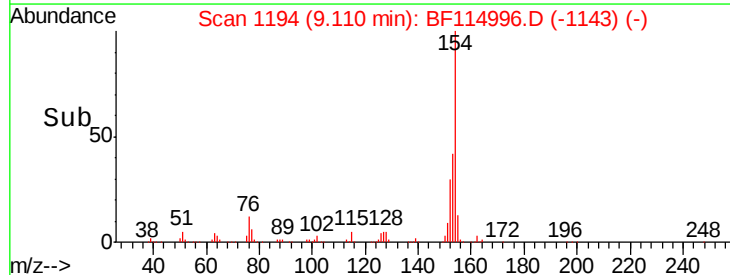
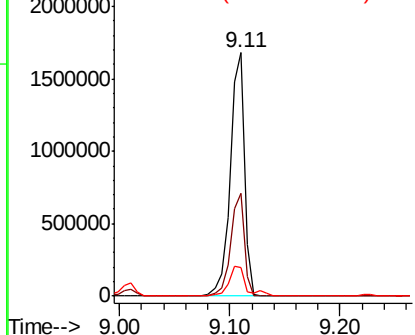


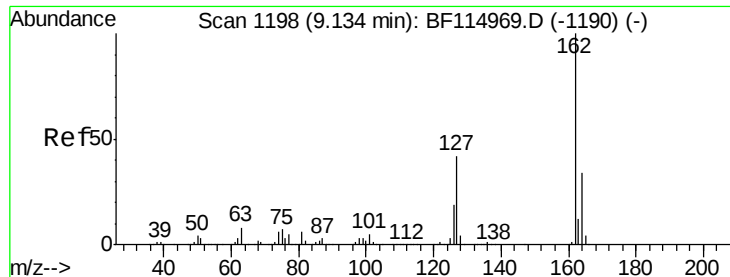
#46
1,1'-Biphenyl
Concen: 35.987 ng
RT: 9.11 min Scan# 1194
Delta R.T. -0.00 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

Tgt Ion:154 Resp: 1518727
Ion Ratio Lower Upper
154 100
153 42.3 22.4 62.4
76 11.7 0.0 33.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

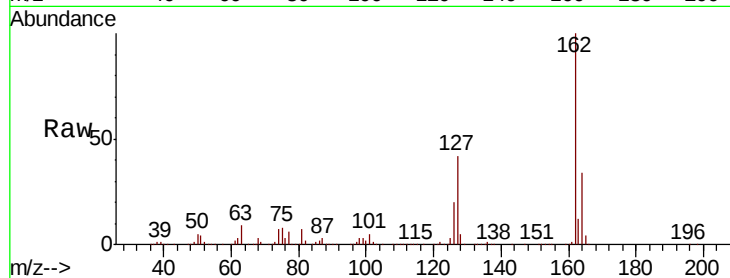




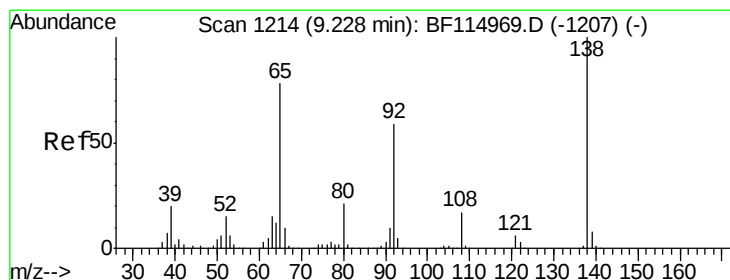
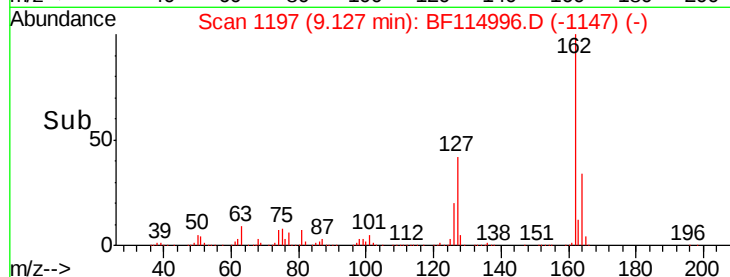
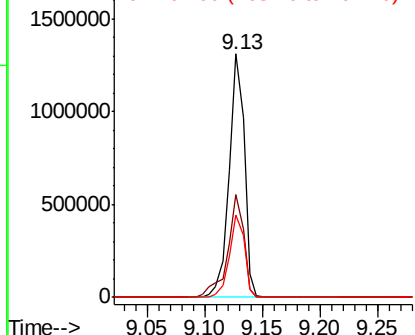
#47
 2-Chloronaphthalene
 Concen: 34.988 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF114996.D
 Acq: 13 Jun 2019 12:04

Instrument :
 BNA_F
 ClientSampleId :
 200030-200034MSD

Tot Ion:162 Resp: 1194007
 Ion Ratio Lower Upper
 162 100
 127 42.2 33.4 50.2
 164 33.8 27.2 40.8

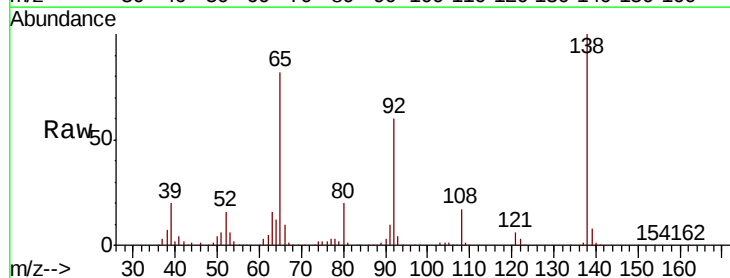


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

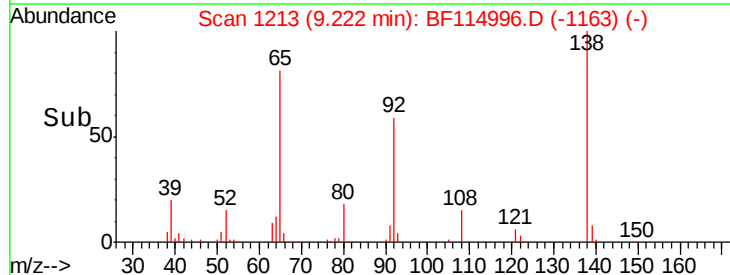
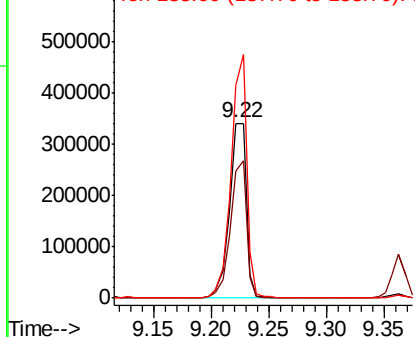


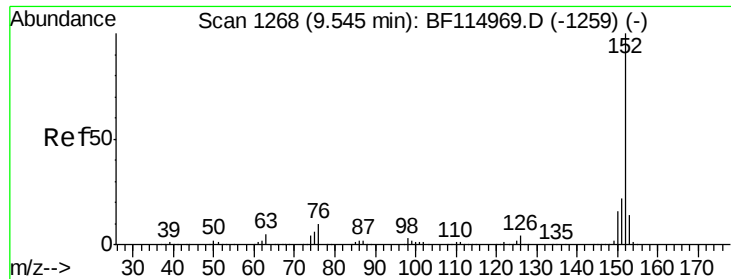
#48
 2-Nitroaniline
 Concen: 34.347 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF114996.D
 Acq: 13 Jun 2019 12:04

Tgt Ion: 65 Resp: 346449
 Ion Ratio Lower Upper
 65 100
 92 72.5 60.5 90.7
 138 121.8 102.0 153.0



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 34.930 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

Instrument :

BNA_F

ClientSampleId :

200030-200034MSD

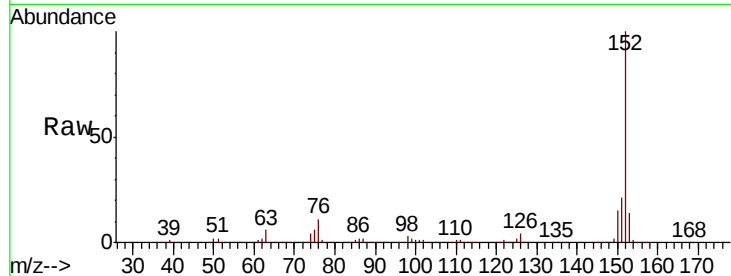
Tot Ion:152 Resp: 1832788

Ion Ratio Lower Upper

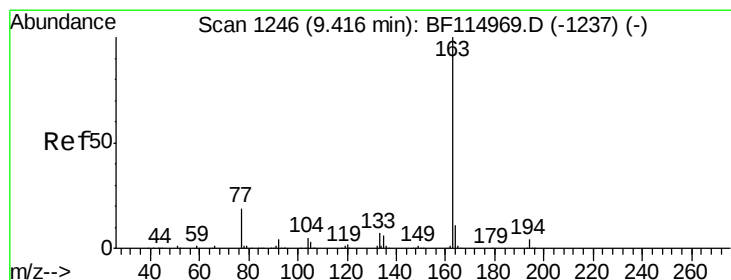
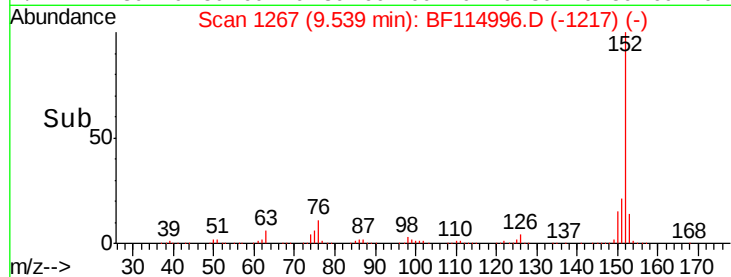
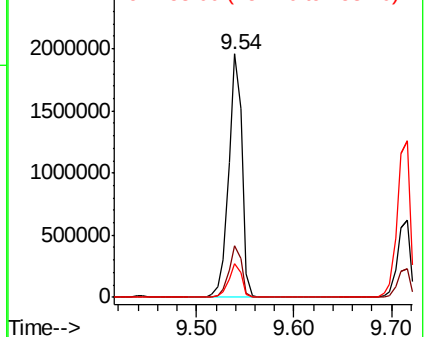
152 100

151 21.2 17.5 26.3

153 14.0 11.2 16.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 43.068 ng

RT: 9.42 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

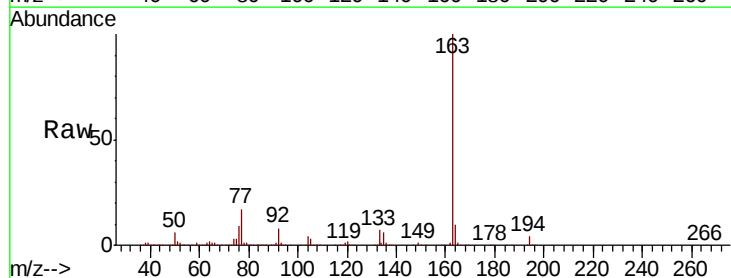
Tgt Ion:163 Resp: 1705695

Ion Ratio Lower Upper

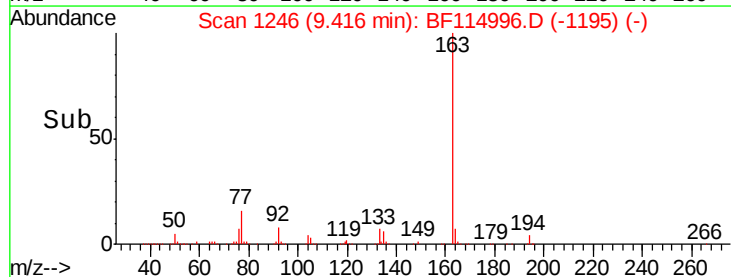
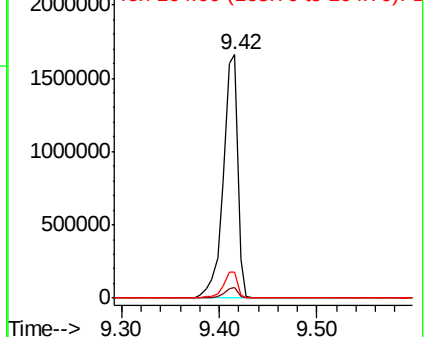
163 100

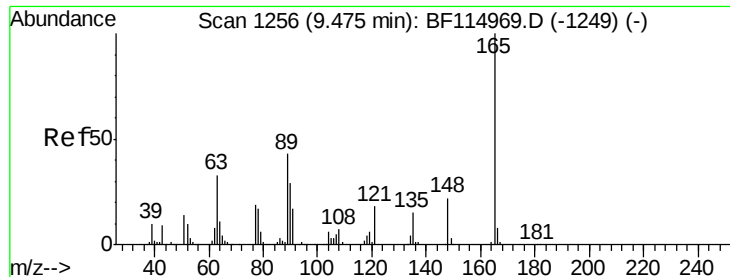
194 4.2 3.3 4.9

164 10.4 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

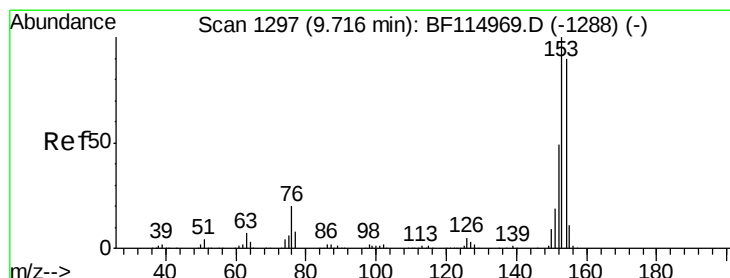
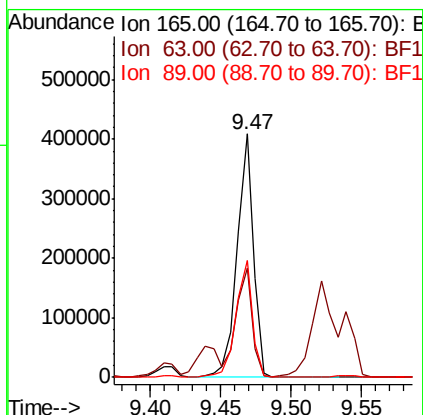
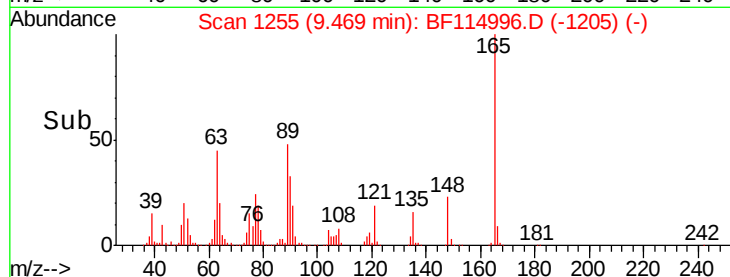
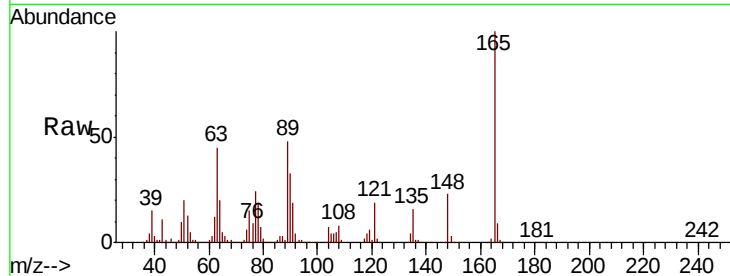




#51
 2,6-Dinitrotoluene
 Concen: 36.774 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: BF114996.D
 Acq: 13 Jun 2019 12:04

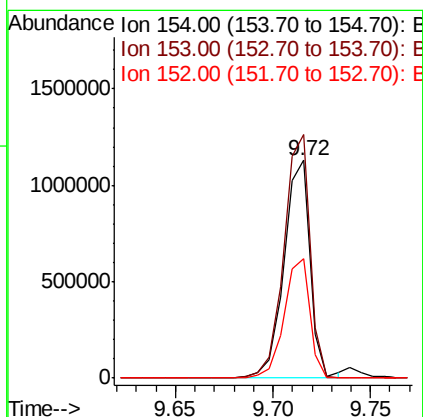
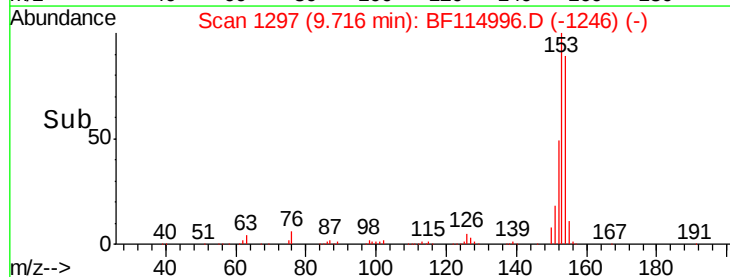
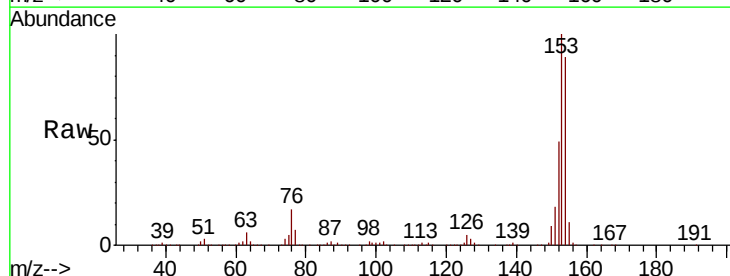
Instrument :
 BNA_F
 ClientSampleId :
 200030-200034MSD

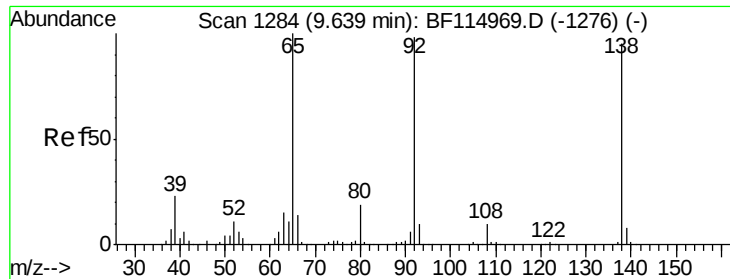
Tot Ion:165 Resp: 330373
 Ion Ratio Lower Upper
 165 100
 63 44.9 30.6 46.0
 89 48.2 34.4 51.6



#52
 Acenaphthene
 Concen: 35.028 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: BF114996.D
 Acq: 13 Jun 2019 12:04

Tgt Ion:154 Resp: 1051506
 Ion Ratio Lower Upper
 154 100
 153 112.0 88.5 132.7
 152 54.7 43.6 65.4

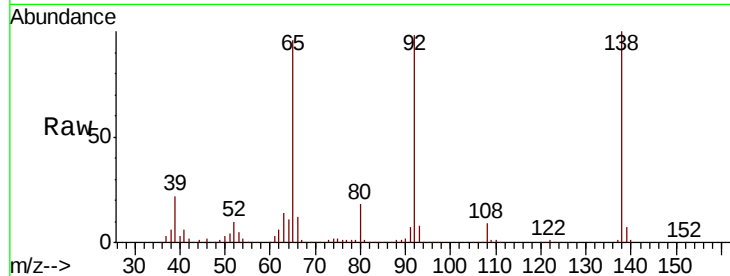




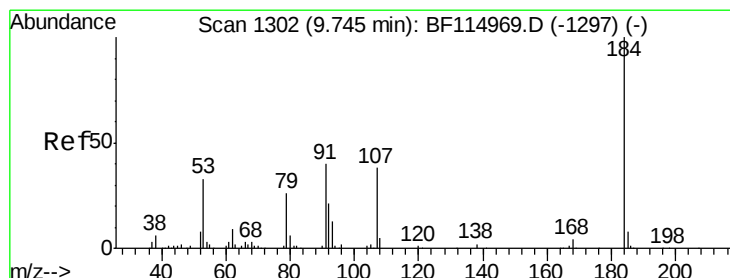
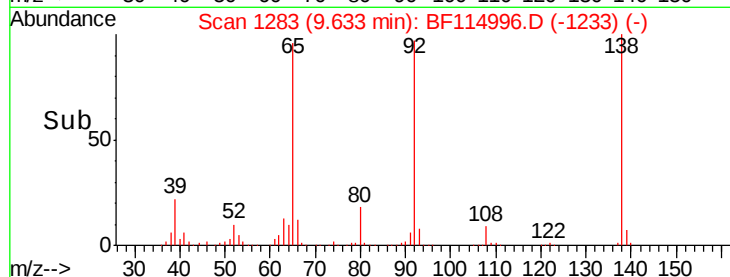
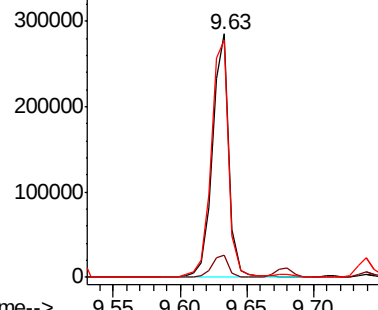
#53
3-Nitroaniline
Concen: 22.441 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

Instrument :
BNA_F
ClientSampleId :
200030-200034MSD

Tot Ion:138 Resp: 247017
Ion Ratio Lower Upper
138 100
108 9.3 8.0 12.0
92 97.5 82.4 123.6

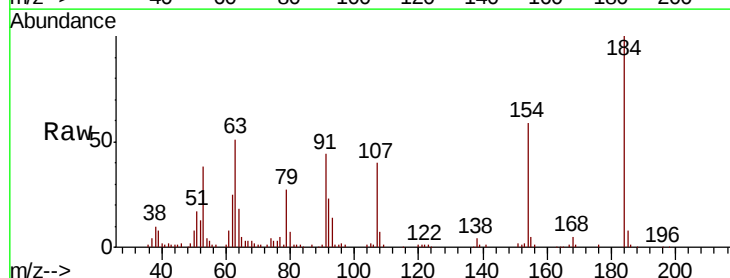


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

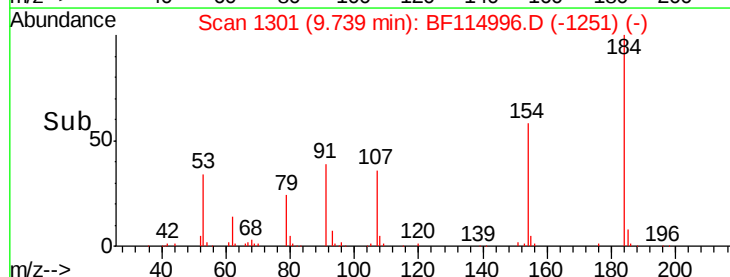
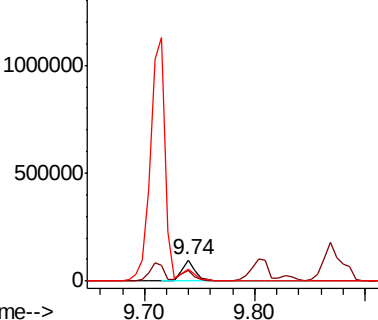


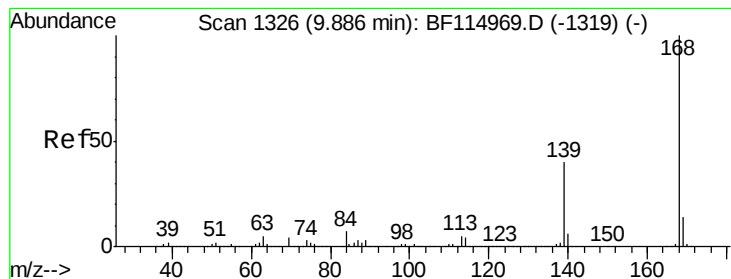
#54
2,4-Dinitrophenol
Concen: 19.600 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

Tgt Ion:184 Resp: 85409
Ion Ratio Lower Upper
184 100
63 51.3 40.5 60.7
154 59.3 44.8 67.2



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





#55

Dibenzenofuran

Concen: 34.402 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.00 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

Instrument :

BNA_F

ClientSampleId :

200030-200034MSD

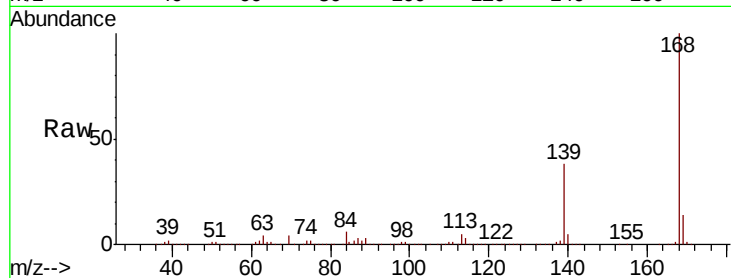
Tot Ion:168 Resp: 1556437

Ion Ratio Lower Upper

168 100

139 38.3 32.5 48.7

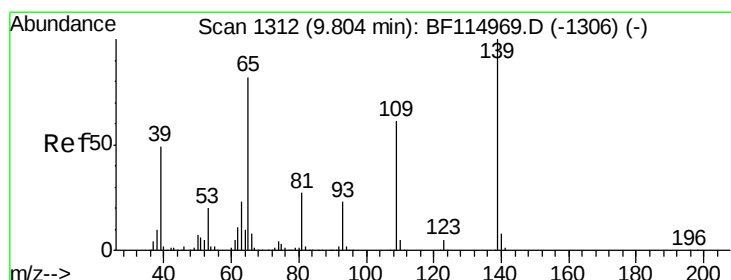
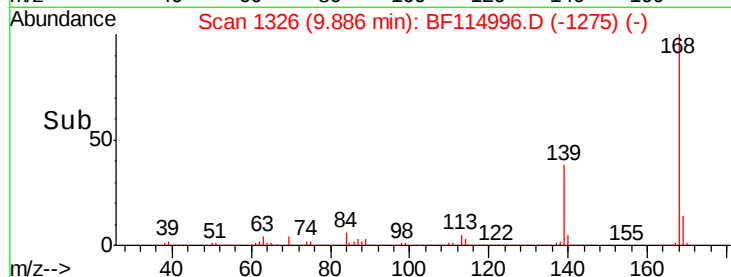
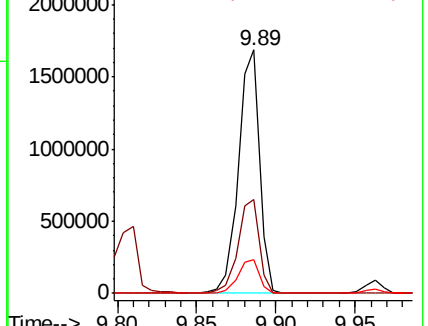
169 13.7 11.5 17.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 62.346 ng

RT: 9.81 min Scan# 1313

Delta R.T. 0.01 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

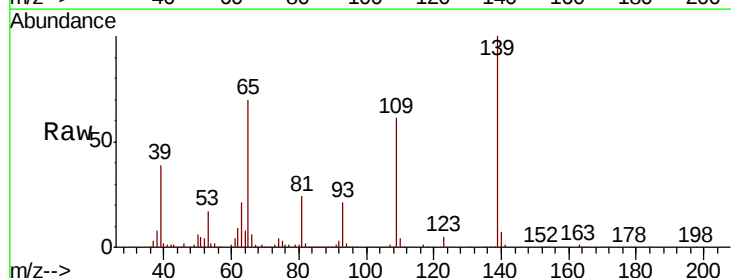
Tgt Ion:139 Resp: 473238

Ion Ratio Lower Upper

139 100

109 60.7 41.4 81.4

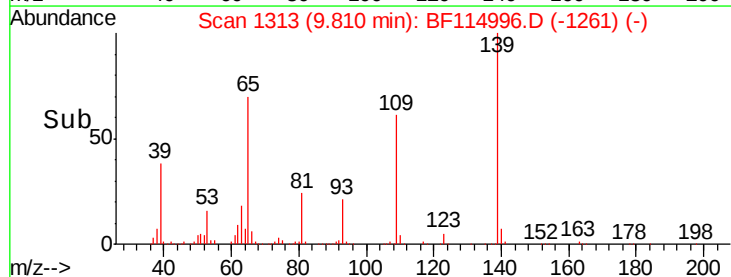
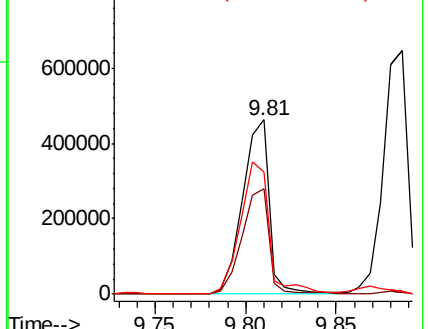
65 70.2 62.7 102.7

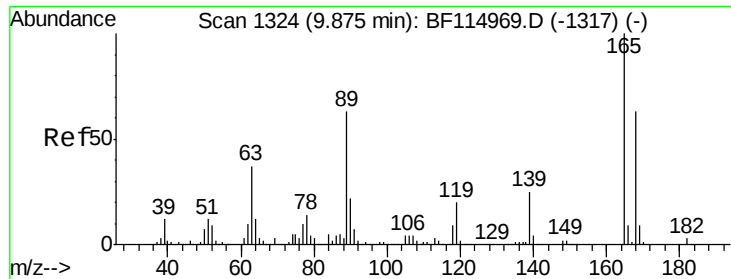


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

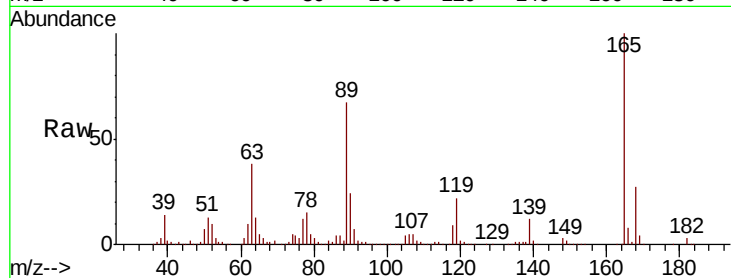




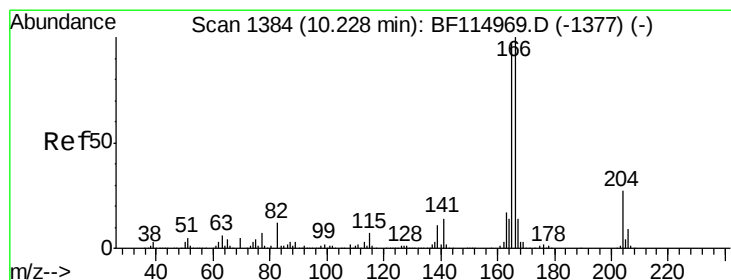
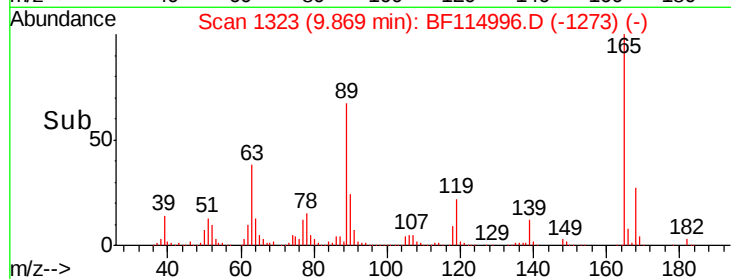
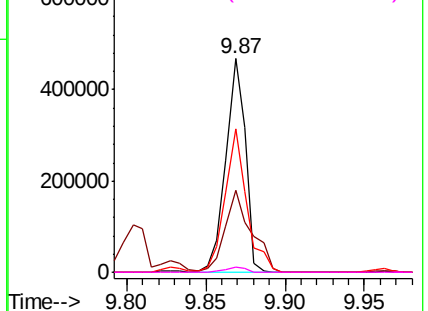
#57
2,4-Dinitrotoluene
Concen: 35.331 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

Instrument :
BNA_F
ClientSampleId :
200030-200034MSD

Tot Ion:	165	Resp:	404002
Ion	Ratio	Lower	Upper
165	100		
63	38.2	29.4	44.2
89	67.0	50.6	75.8
182	2.6	2.2	3.2

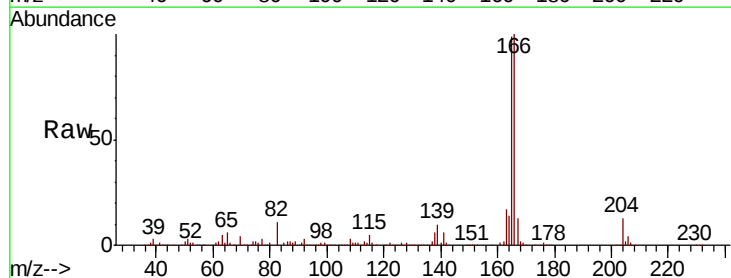


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

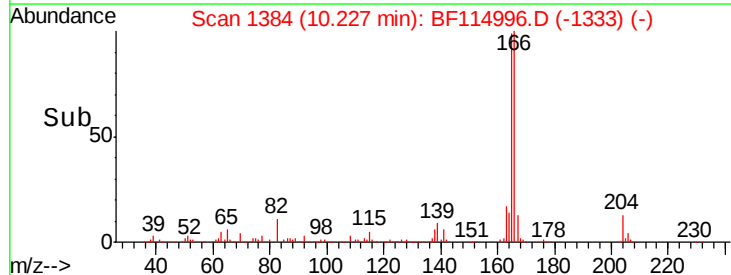
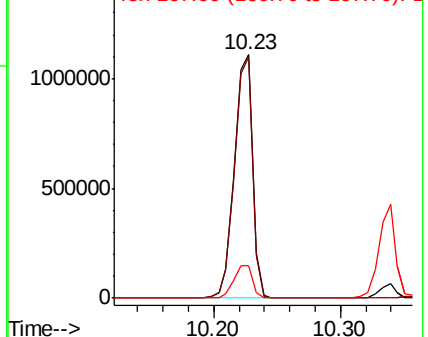


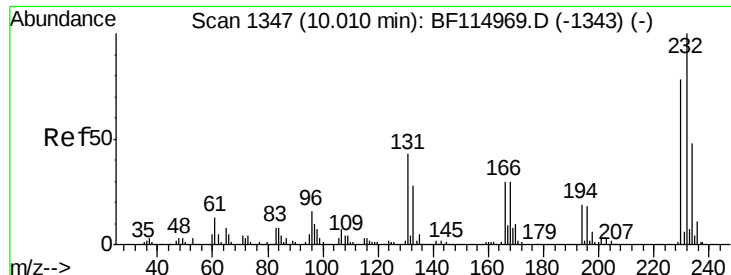
#58
Fluorene
Concen: 33.948 ng
RT: 10.23 min Scan# 1384
Delta R.T. -0.00 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

Tgt Ion:	166	Resp:	1083266
Ion	Ratio	Lower	Upper
166	100		
165	98.8	77.6	116.4
167	13.4	11.0	16.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

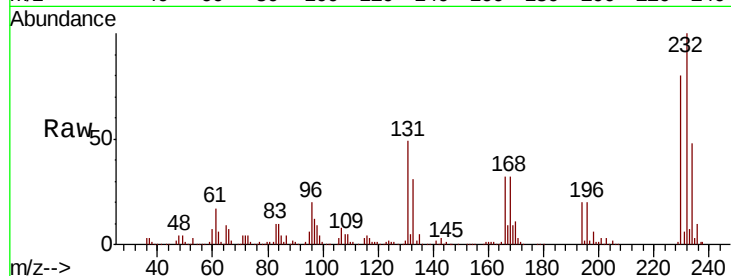




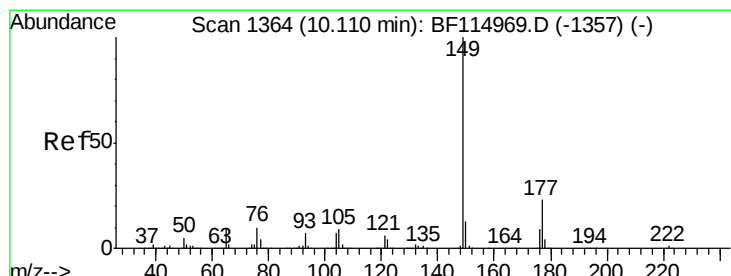
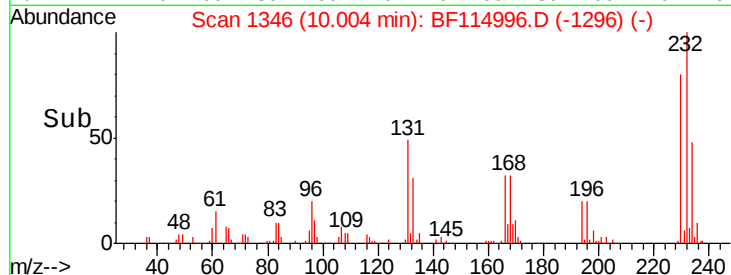
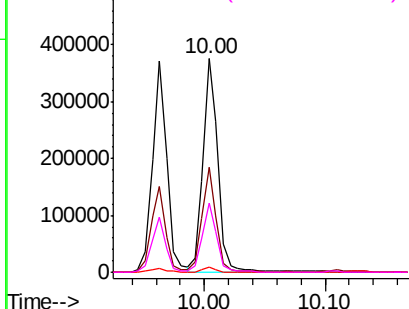
#59
2,3,4,6-Tetrachlorophenol
Concen: 33.998 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

Instrument :
BNA_F
ClientSampleId :
200030-200034MSD

Tot Ion:232 Resp: 322516
Ion Ratio Lower Upper
232 100
131 45.8 36.9 55.3
130 2.1 1.8 2.6
166 31.0 24.8 37.2

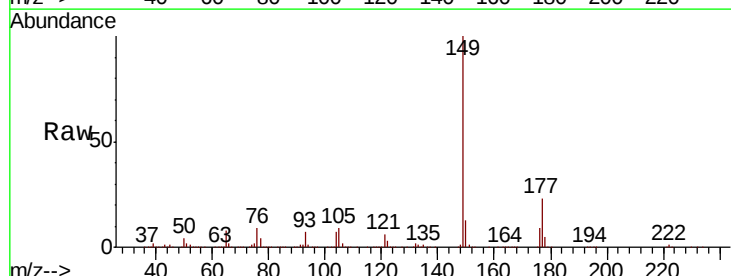


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

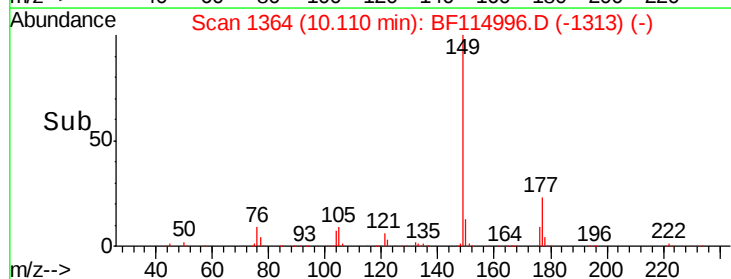
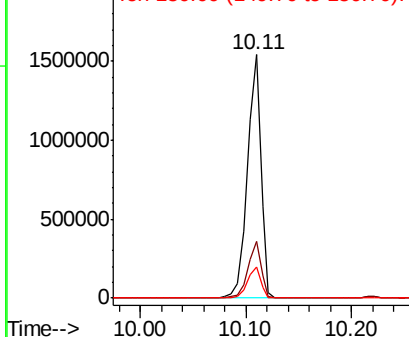


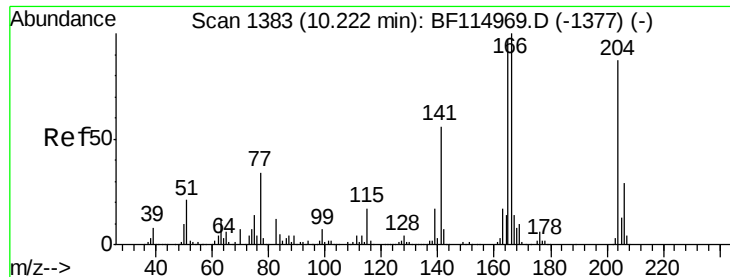
#60
Diethylphthalate
Concen: 35.893 ng
RT: 10.11 min Scan# 1364
Delta R.T. -0.00 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

Tgt Ion:149 Resp: 1359245
Ion Ratio Lower Upper
149 100
177 23.4 18.6 27.8
150 12.9 10.5 15.7



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

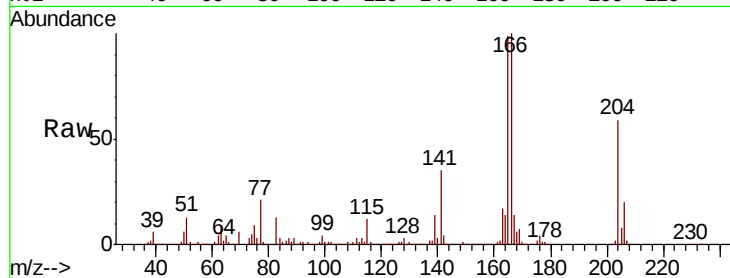




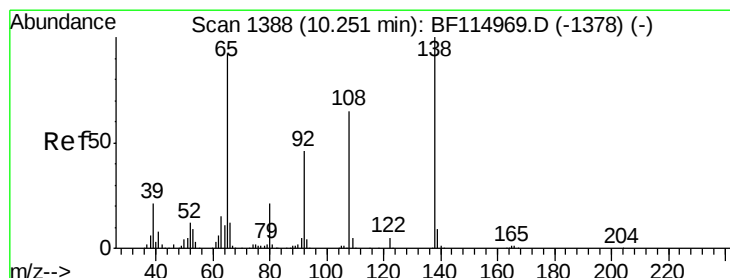
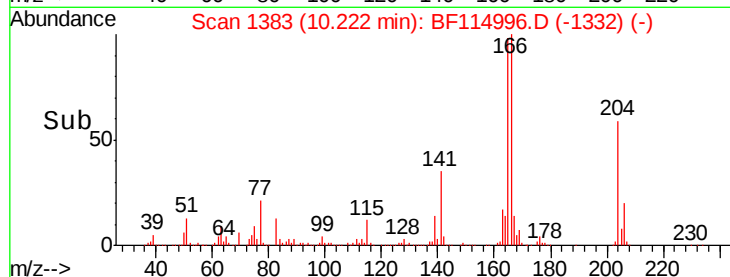
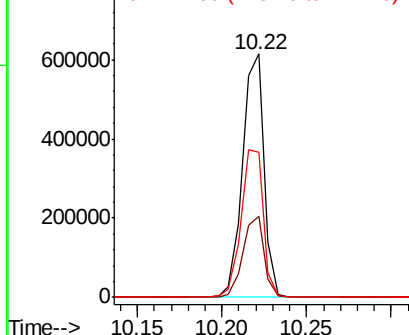
#61
 4-Chlorophenyl-phenylether
 Concen: 34.696 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: BF114996.D
 Acq: 13 Jun 2019 12:04

Instrument :
 BNA_F
 ClientSampleId :
 200030-200034MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.5	39.7
141	59.7	51.8	77.8

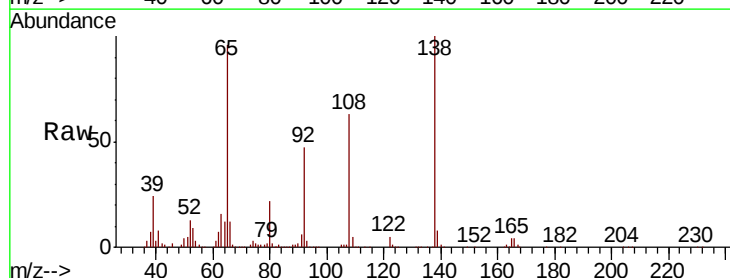


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

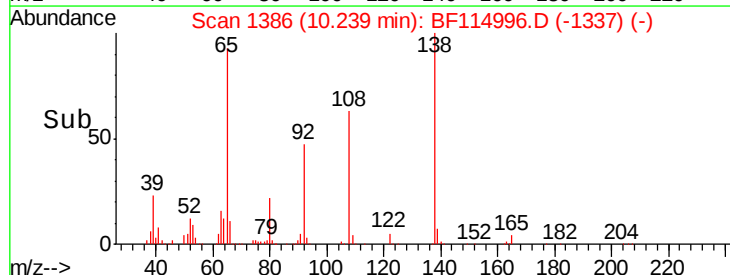
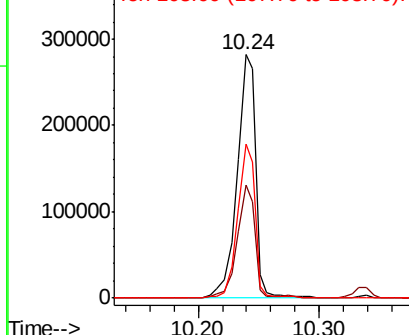


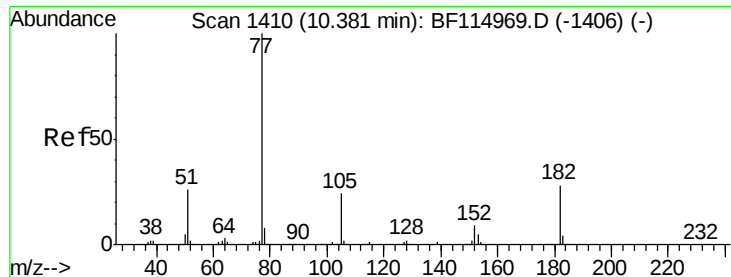
#62
 4-Nitroaniline
 Concen: 27.442 ng
 RT: 10.24 min Scan# 1386
 Delta R.T. -0.01 min
 Lab File: BF114996.D
 Acq: 13 Jun 2019 12:04

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.6	25.7	65.7
108	63.4	44.6	84.6



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 108.00 (107.70 to 108.70): E

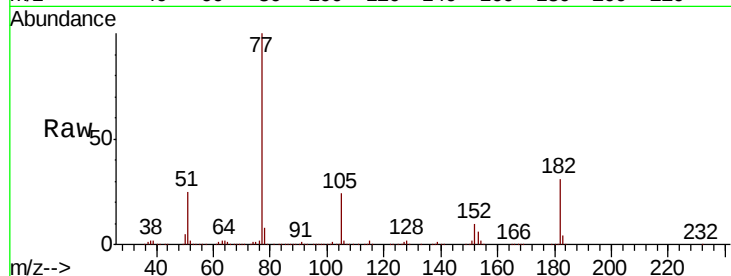




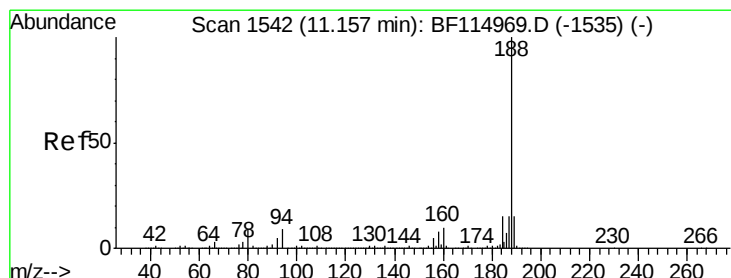
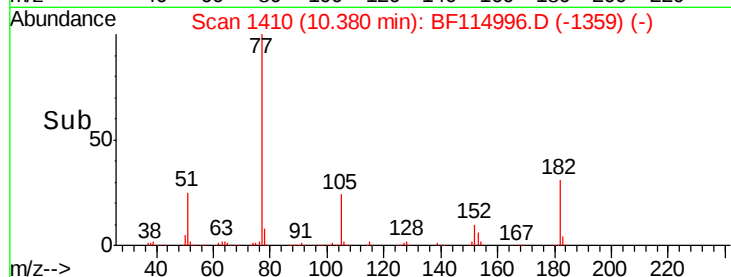
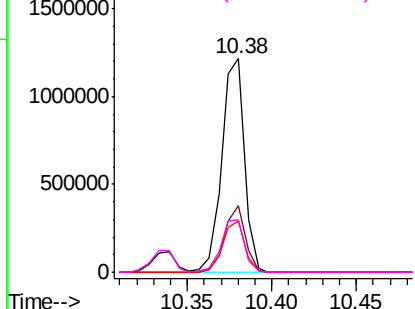
#63
Azobenzene
Concen: 34.107 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.00 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

Instrument :
BNA_F
ClientSampleId :
200030-200034MSD

Tot Ion: 77 Resp: 1129946
Ion Ratio Lower Upper
77 100
182 31.0 7.4 47.4
105 24.2 4.2 44.2
51 24.7 6.2 46.2

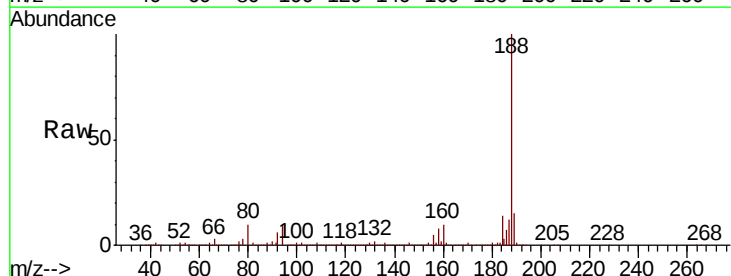


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

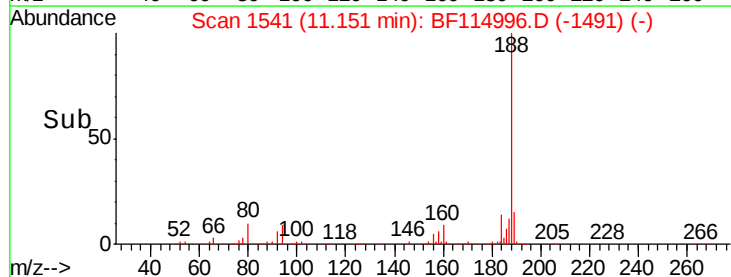
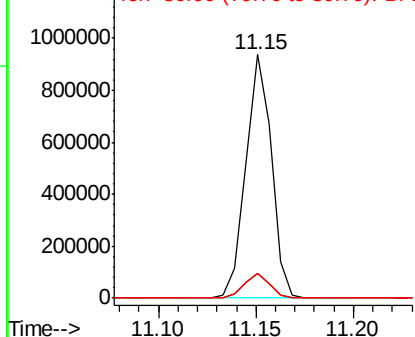


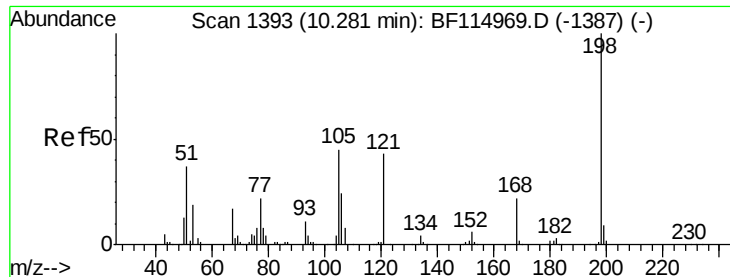
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.15 min Scan# 1541
Delta R.T. -0.01 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

Tgt Ion: 188 Resp: 853654
Ion Ratio Lower Upper
188 100
94 10.0 7.2 10.8
80 10.2 7.4 11.2



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 18.204 ng

RT: 10.27 min Scan# 1392

Delta R.T. -0.01 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

Instrument :

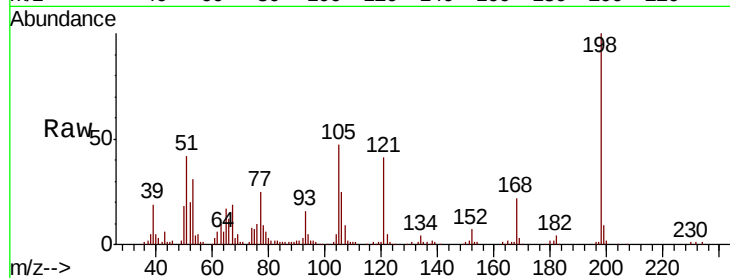
BNA_F

ClientSampleId :

200030-200034MSD

Tot Ion:198 Resp: 87100

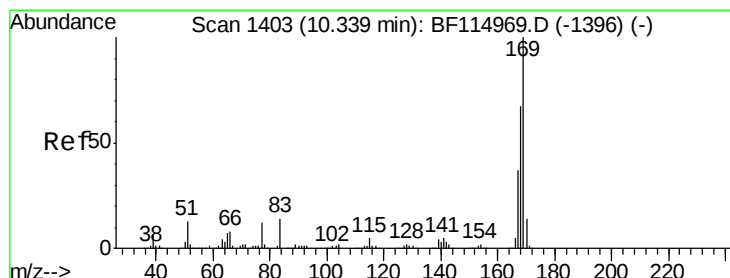
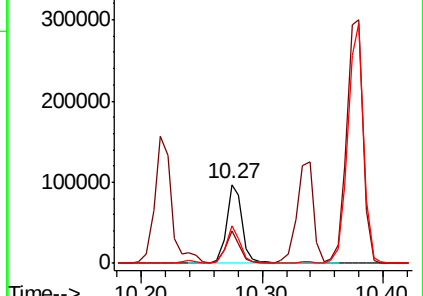
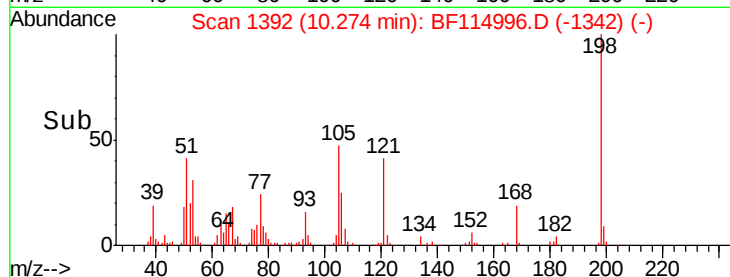
Ion	Ratio	Lower	Upper
198	100		
51	41.7	23.0	63.0
105	47.1	26.5	66.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 41.384 ng

RT: 10.34 min Scan# 1403

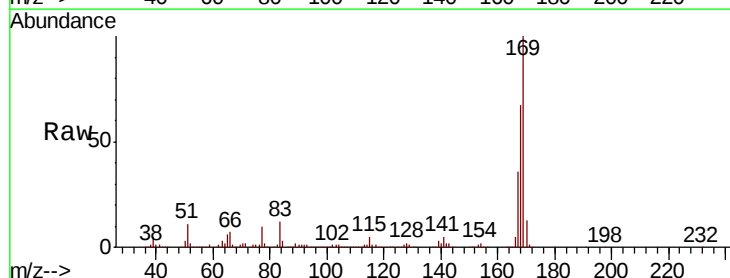
Delta R.T. -0.00 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

Tgt Ion:169 Resp: 1056014

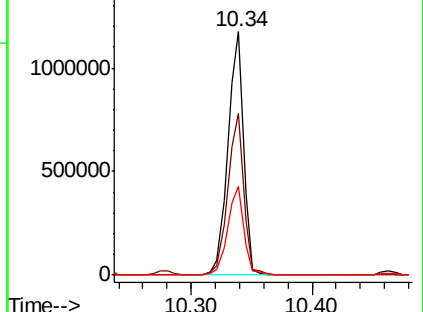
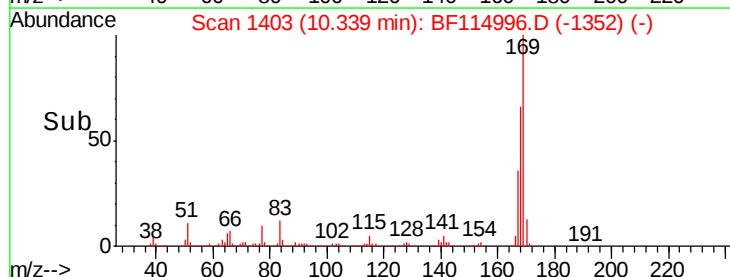
Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.6	80.4
167	36.3	29.6	44.4

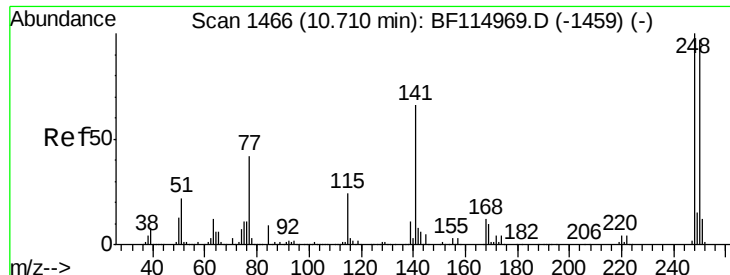


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

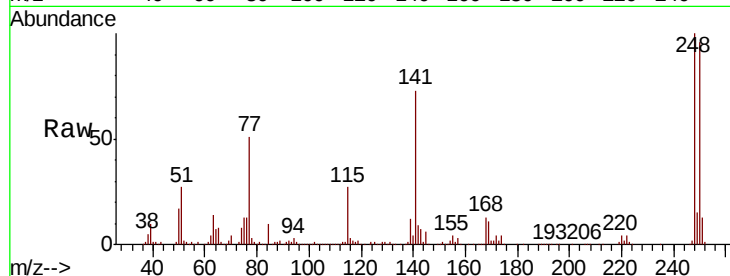




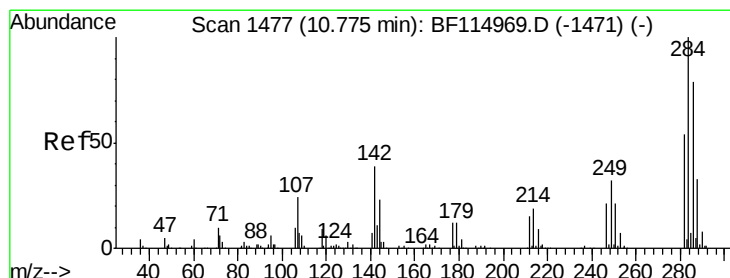
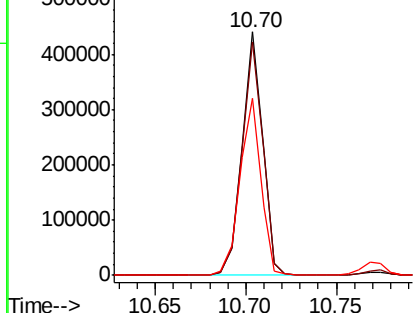
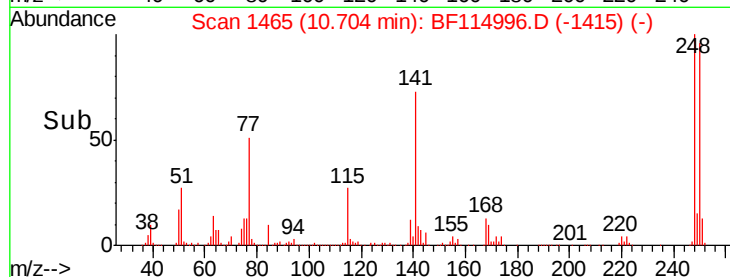
#67
 4-Bromophenyl-phenylether
 Concen: 37.893 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF114996.D
 Acq: 13 Jun 2019 12:04

Instrument :
 BNA_F
 ClientSampleId :
 200030-200034MSD

Tot Ion:248 Resp: 347317
 Ion Ratio Lower Upper
 248 100
 250 95.9 77.8 116.8
 141 72.6 53.1 79.7

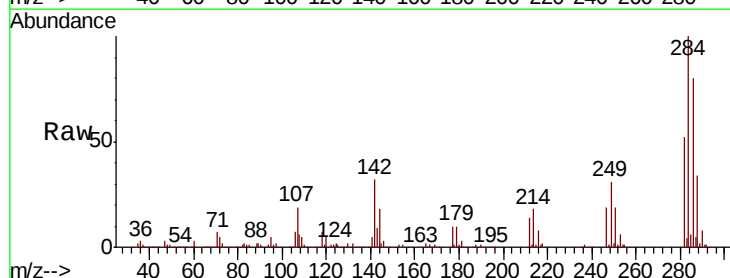


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

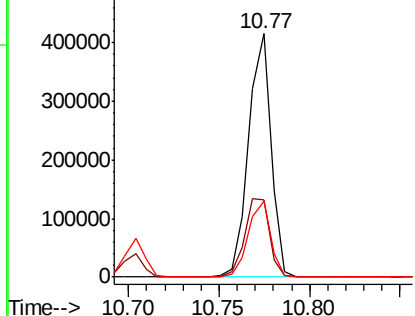
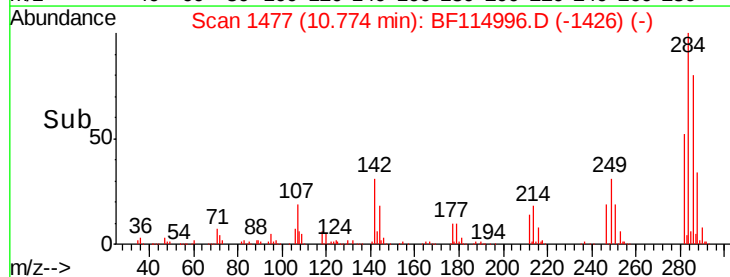


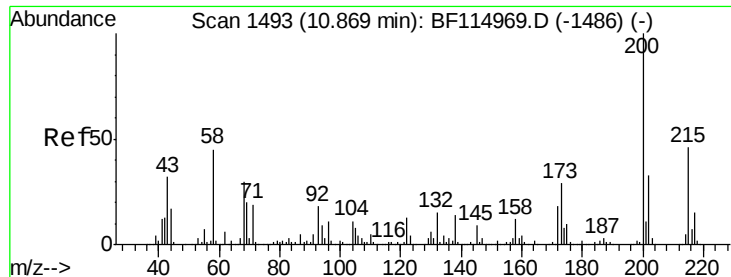
#68
 Hexachlorobenzene
 Concen: 35.574 ng
 RT: 10.77 min Scan# 1477
 Delta R.T. -0.00 min
 Lab File: BF114996.D
 Acq: 13 Jun 2019 12:04

Tgt Ion:284 Resp: 358978
 Ion Ratio Lower Upper
 284 100
 142 31.7 31.5 47.3
 249 31.0 25.6 38.4



Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E

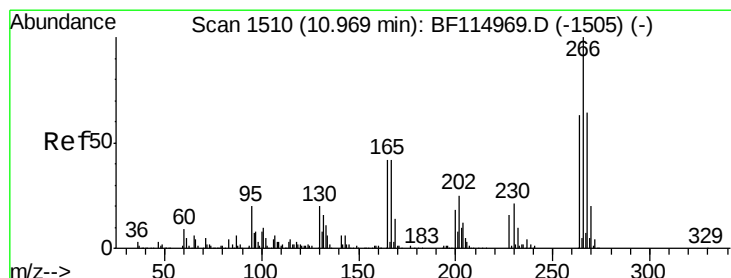
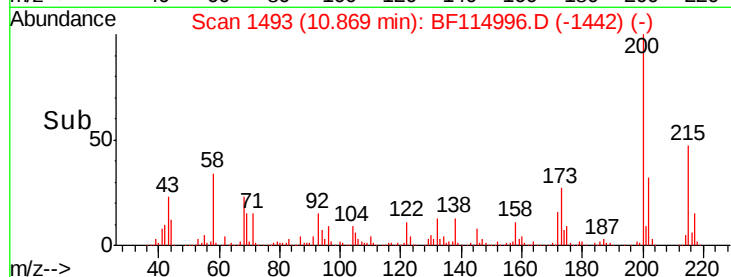
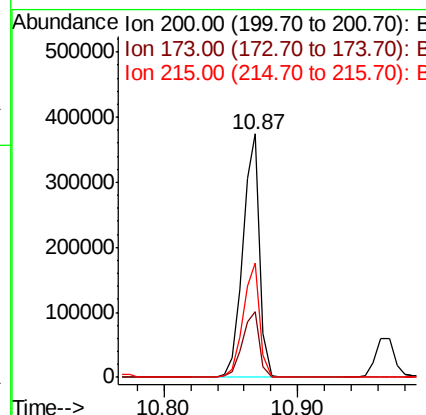
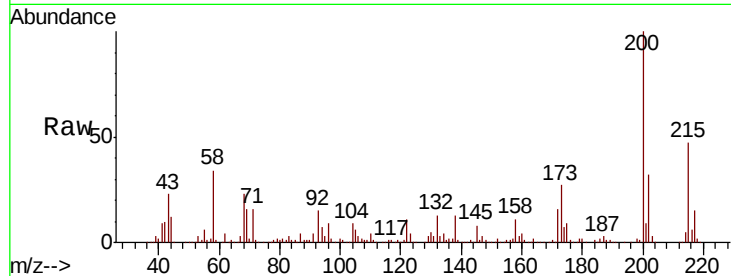




#69
 Atrazine
 Concen: 39.690 ng
 RT: 10.87 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: BF114996.D
 Acq: 13 Jun 2019 12:04

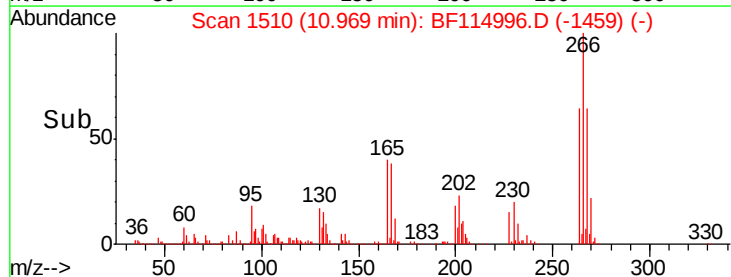
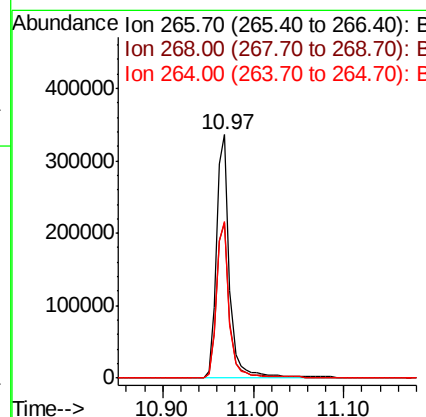
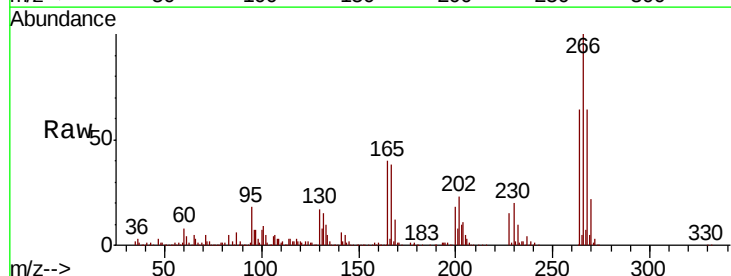
Instrument :
 BNA_F
 ClientSampleId :
 200030-200034MSD

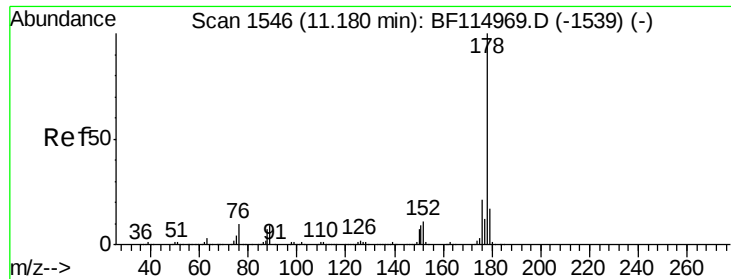
Tot Ion	Ratio	Lower	Upper
200	100		
173	27.0	9.0	49.0
215	47.1	26.5	66.5



#70
 Pentachlorophenol
 Concen: 62.902 ng
 RT: 10.97 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: BF114996.D
 Acq: 13 Jun 2019 12:04

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.4	77.2
264	64.2	50.3	75.5

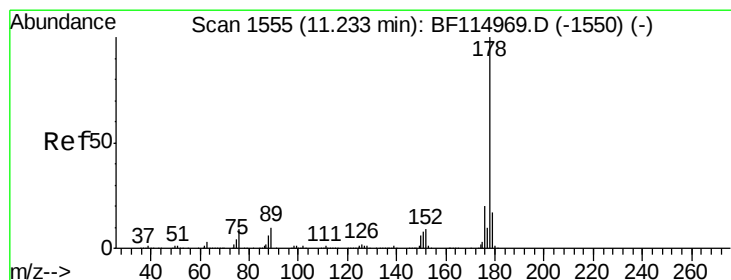
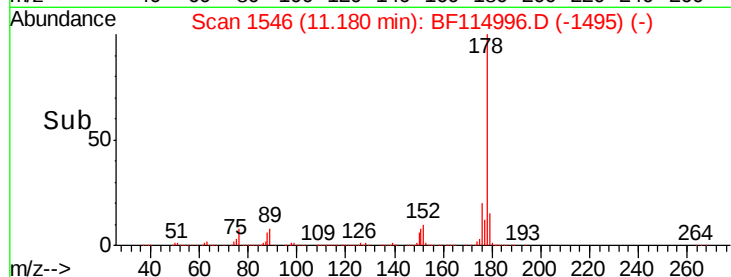
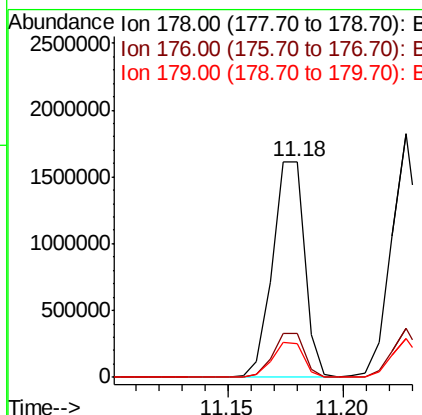
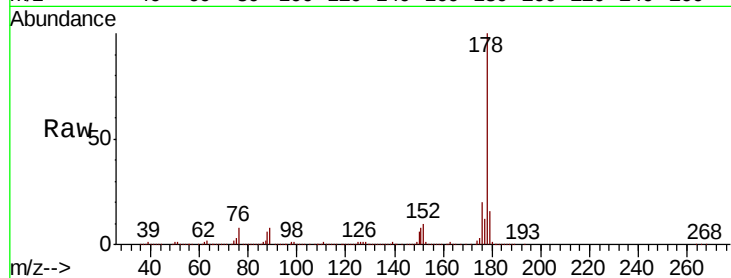




#71
Phenanthrene
Concen: 35.328 ng
RT: 11.18 min Scan# 1546
Delta R.T. -0.00 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

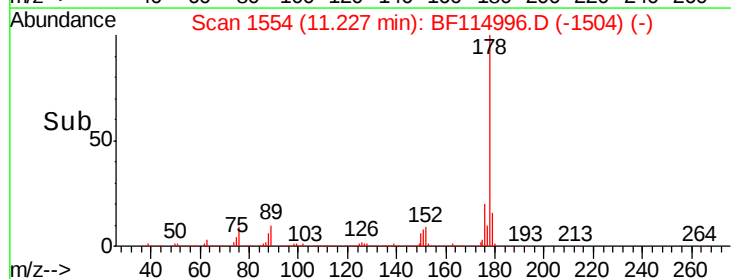
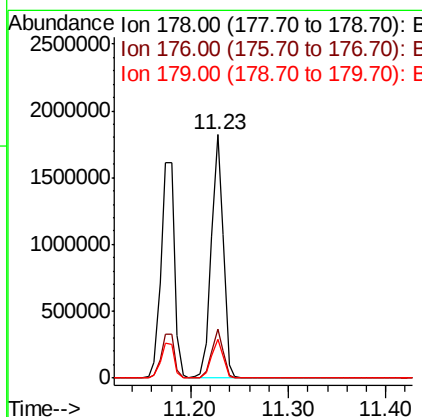
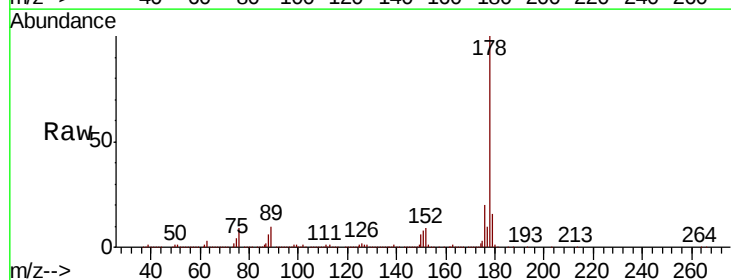
Instrument :
BNA_F
ClientSampleId :
200030-200034MSD

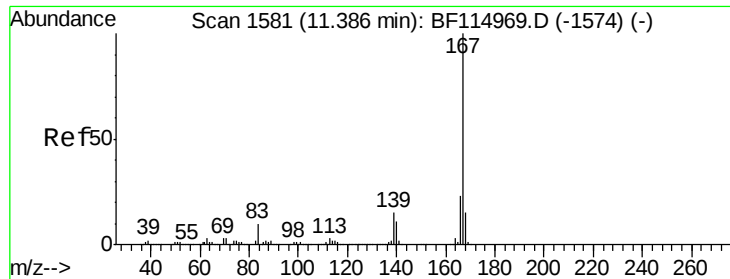
Tot Ion:178 Resp: 1557089
Ion Ratio Lower Upper
178 100
176 20.1 16.9 25.3
179 15.6 13.4 20.0



#72
Anthracene
Concen: 34.862 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

Tgt Ion:178 Resp: 1550114
Ion Ratio Lower Upper
178 100
176 20.2 16.2 24.4
179 16.1 13.2 19.8

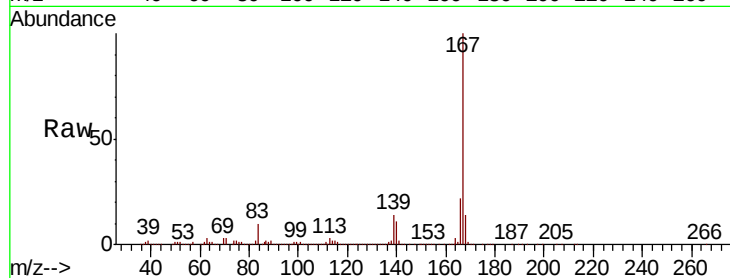




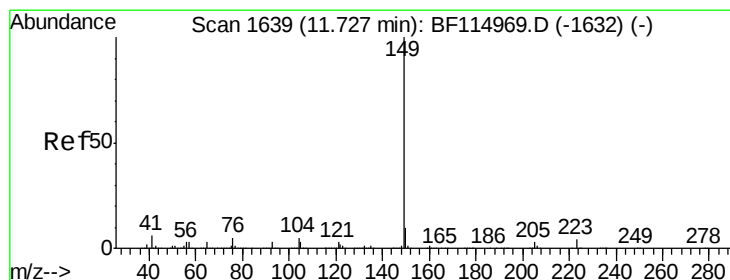
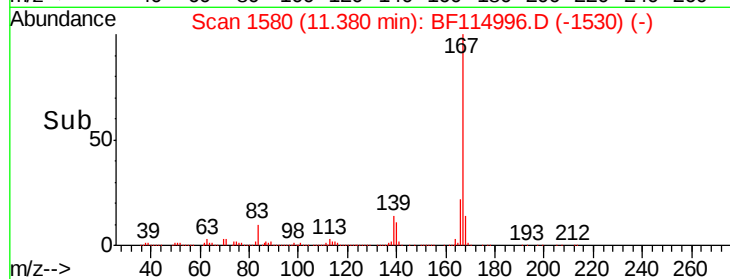
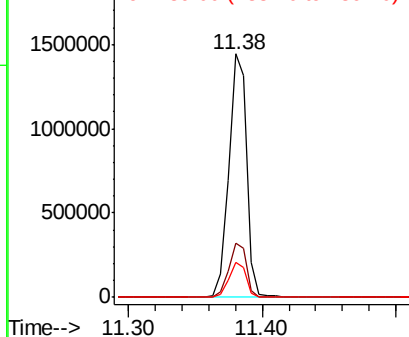
#73
 Carbazole
 Concen: 35.232 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF114996.D
 Acq: 13 Jun 2019 12:04

Instrument :
 BNA_F
 ClientSampleId :
 200030-200034MSD

Tot Ion:167 Resp: 1367370
 Ion Ratio Lower Upper
 167 100
 166 22.1 18.5 27.7
 139 14.2 12.0 18.0

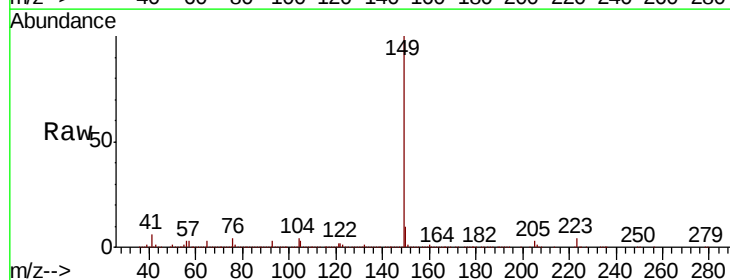


Abundance Ion 167.00 (166.70 to 167.70): E
 2000000 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

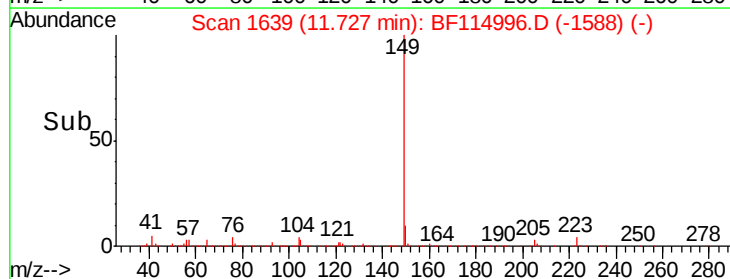
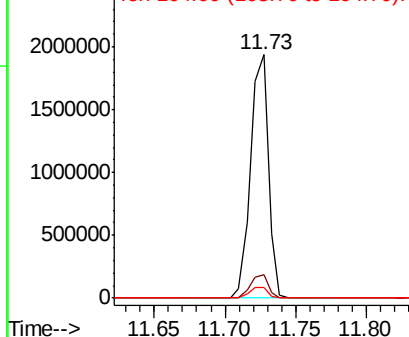


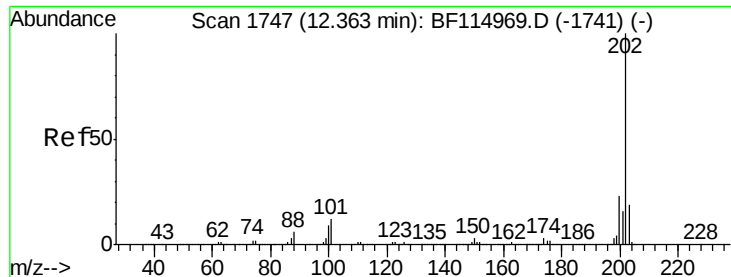
#74
 Di-n-butylphthalate
 Concen: 35.314 ng
 RT: 11.73 min Scan# 1639
 Delta R.T. -0.00 min
 Lab File: BF114996.D
 Acq: 13 Jun 2019 12:04

Tgt Ion:149 Resp: 1727811
 Ion Ratio Lower Upper
 149 100
 150 9.6 8.1 12.1
 104 4.4 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E
 2500000 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 31.789 ng

RT: 12.36 min Scan# 1746

Delta R.T. -0.01 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

Instrument :

BNA_F

ClientSampleId :

200030-200034MSD

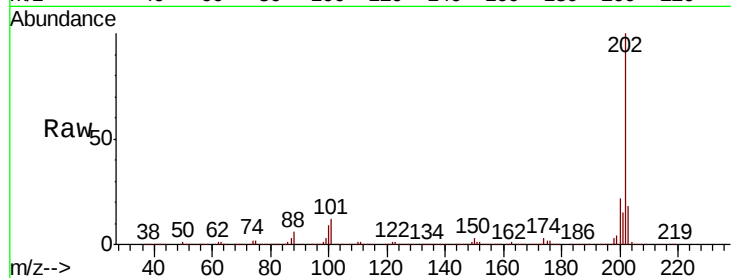
Tot Ion:202 Resp: 1432717

Ion Ratio Lower Upper

202 100

101 12.5 0.0 32.4

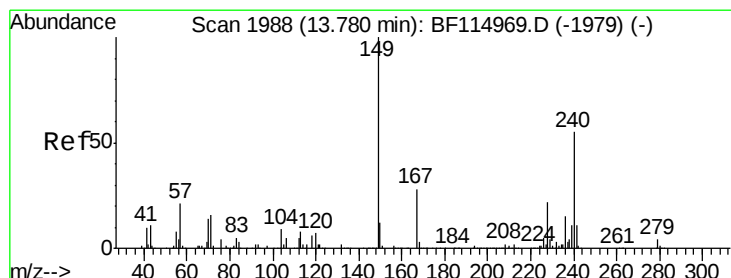
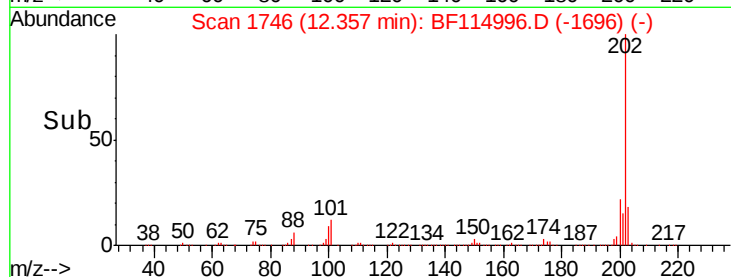
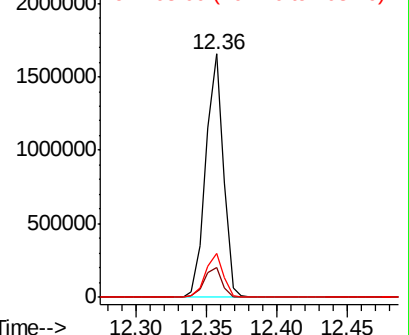
203 18.2 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

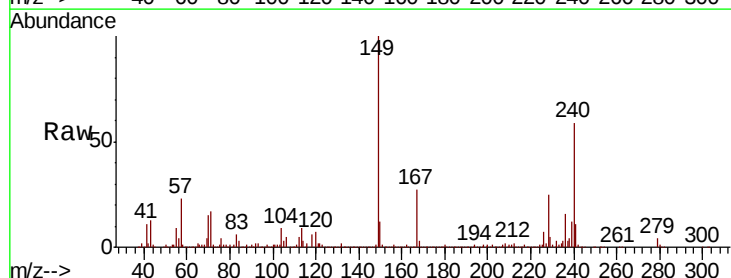
Tgt Ion:240 Resp: 479295

Ion Ratio Lower Upper

240 100

120 12.4 10.0 15.0

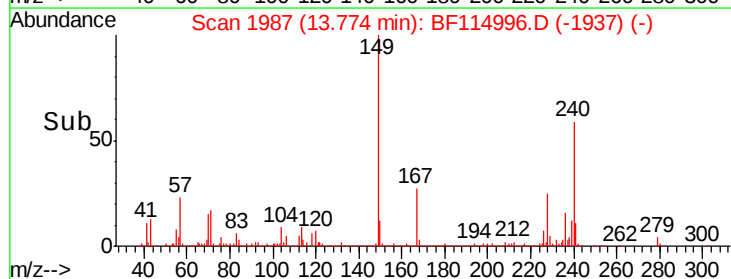
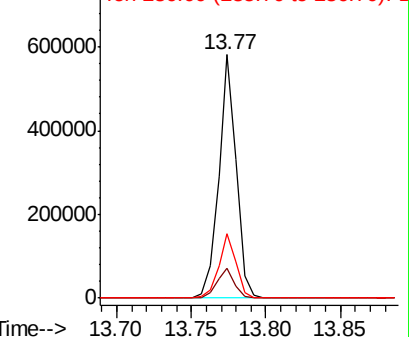
236 26.7 21.6 32.4

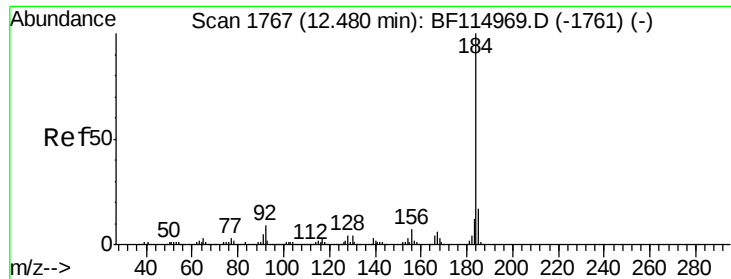


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 10.414 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

Instrument :

BNA_F

ClientSampleId :

200030-200034MSD

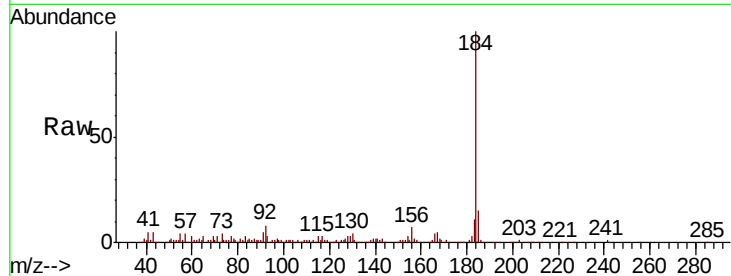
Tot Ion:184 Resp: 201889

Ion Ratio Lower Upper

184 100

185 15.2 13.4 20.0

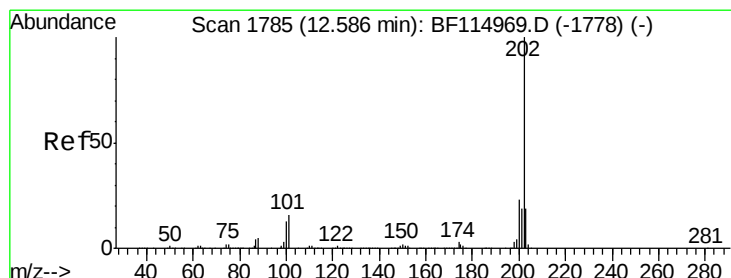
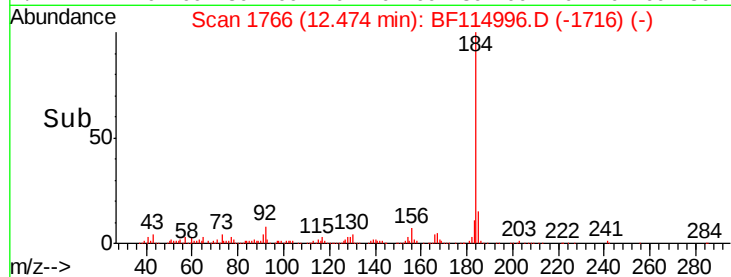
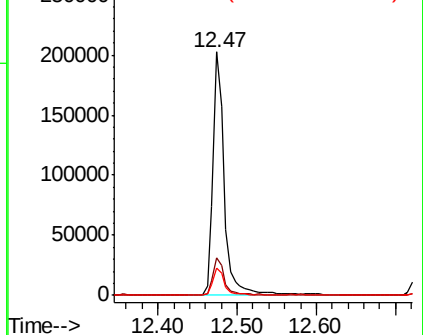
183 11.0 9.8 14.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 32.556 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

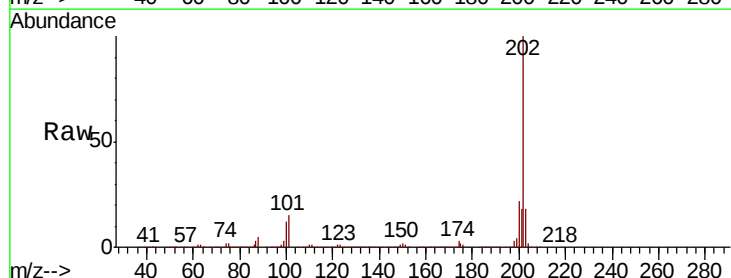
Tgt Ion:202 Resp: 1421495

Ion Ratio Lower Upper

202 100

200 22.1 18.4 27.6

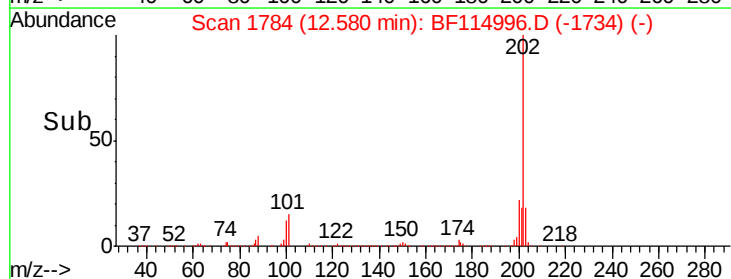
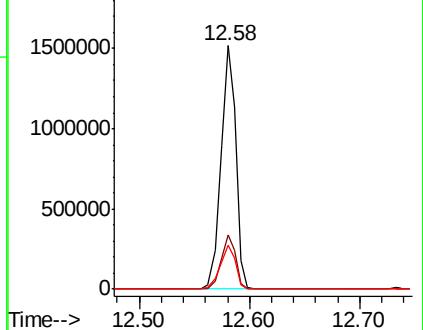
203 18.1 14.9 22.3

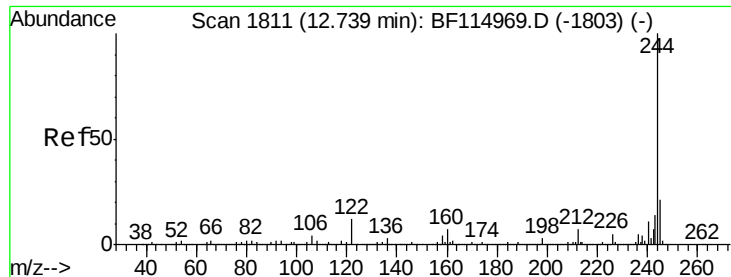


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

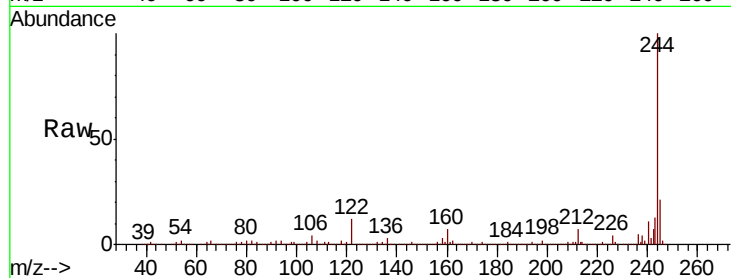




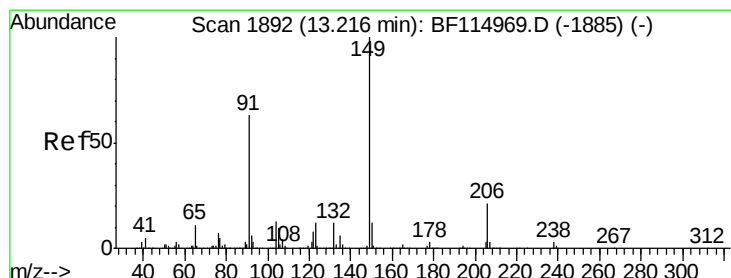
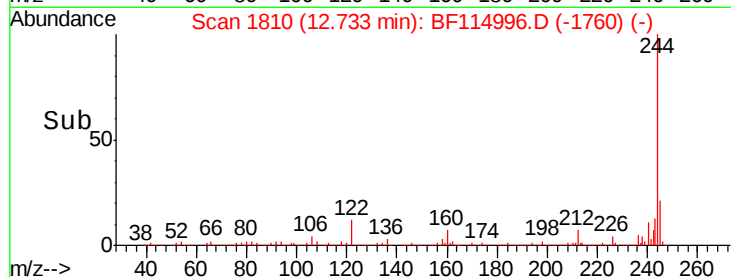
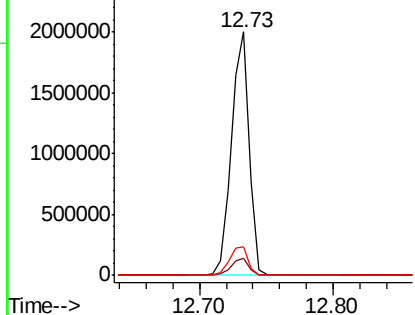
#79
 Terphenyl-d14
 Concen: 73.395 ng
 RT: 12.73 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: BF114996.D
 Acq: 13 Jun 2019 12:04

Instrument :
 BNA_F
 ClientSampleId :
 200030-200034MSD

Tot Ion:244 Resp: 1870297
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 11.5 9.4 14.0

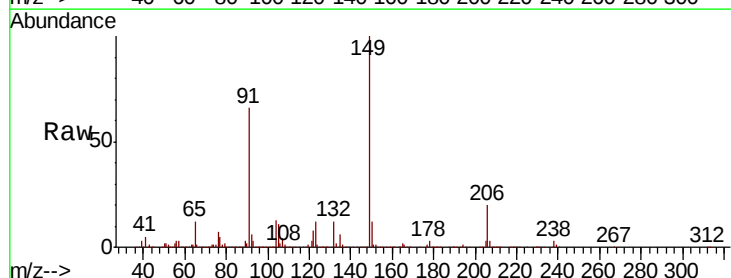


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

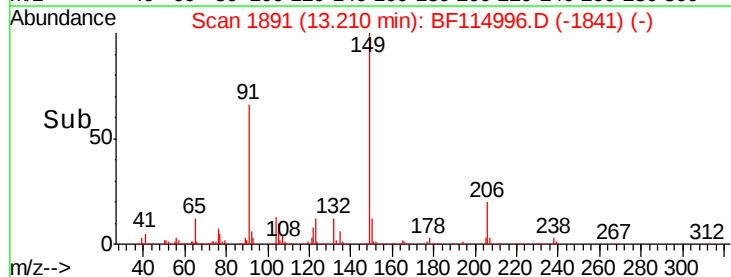
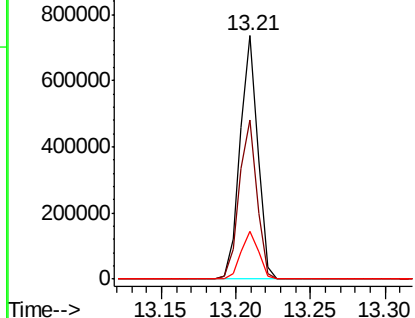


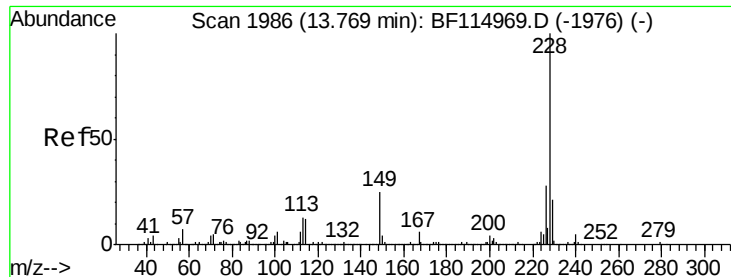
#80
 Butylbenzylphthalate
 Concen: 29.849 ng
 RT: 13.21 min Scan# 1891
 Delta R.T. -0.01 min
 Lab File: BF114996.D
 Acq: 13 Jun 2019 12:04

Tgt Ion:149 Resp: 608734
 Ion Ratio Lower Upper
 149 100
 91 65.6 50.6 76.0
 206 19.5 16.7 25.1



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF1
 Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 34.080 ng

RT: 13.76 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

Instrument :

BNA_F

ClientSampleId :

200030-200034MSD

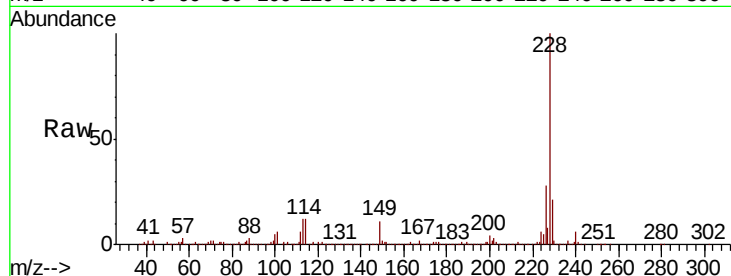
Tot Ion:228 Resp: 1222326

Ion Ratio Lower Upper

228 100

226 27.6 22.0 33.0

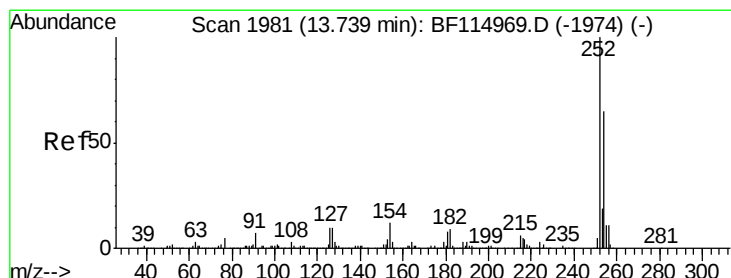
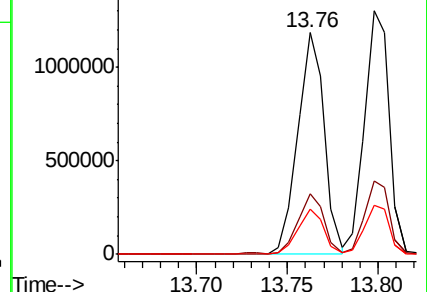
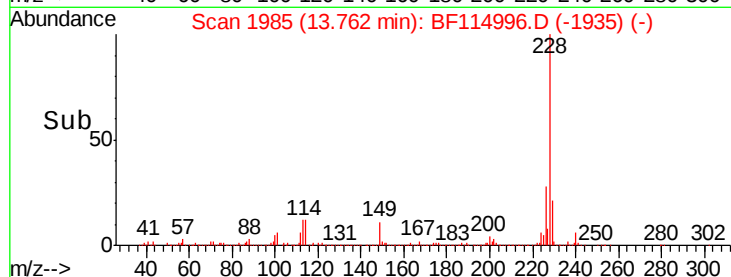
229 20.6 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 30.217 ng

RT: 13.73 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

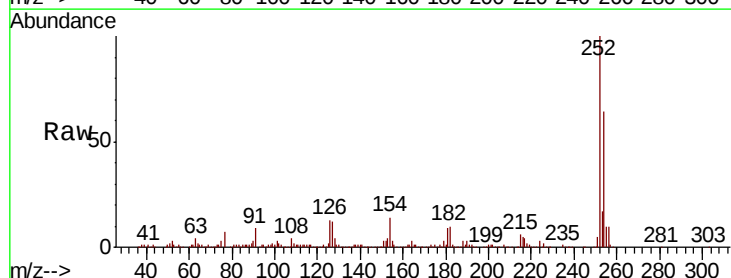
Tgt Ion:252 Resp: 415507

Ion Ratio Lower Upper

252 100

254 64.3 52.2 78.4

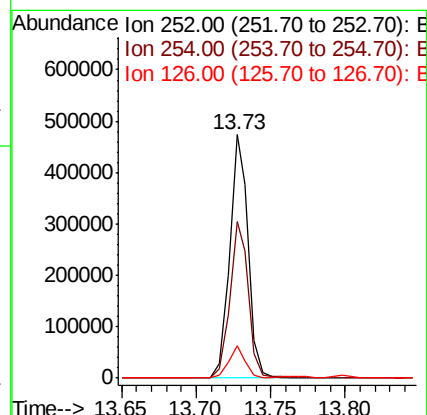
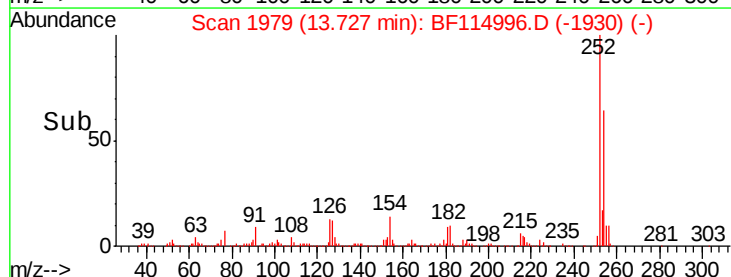
126 13.1 8.0 12.0#

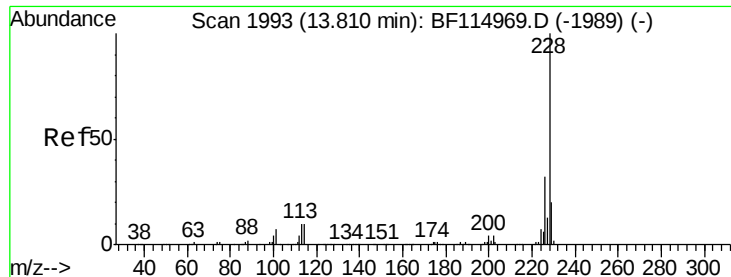


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 34.466 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

Instrument :

BNA_F

ClientSampleId :

200030-200034MSD

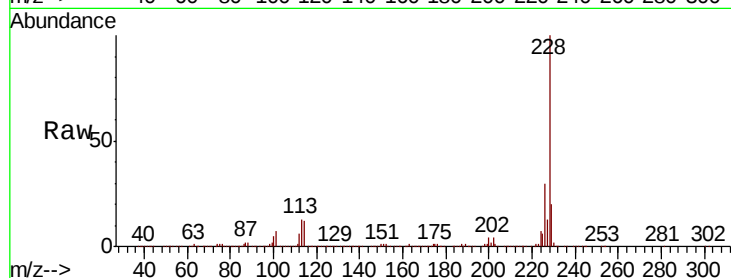
Tot Ion:228 Resp: 1229258

Ion Ratio Lower Upper

228 100

226 30.1 25.4 38.0

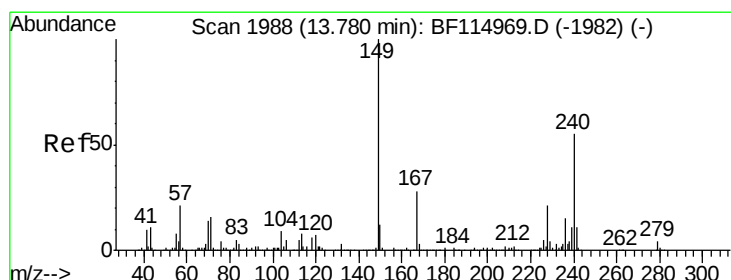
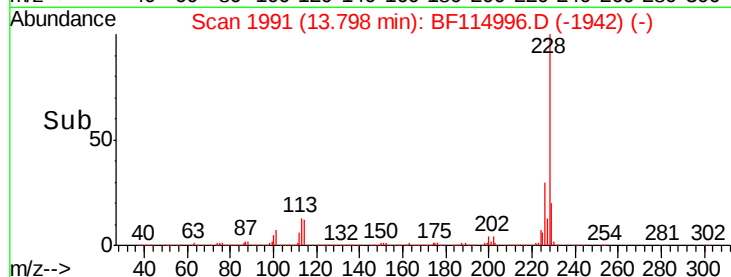
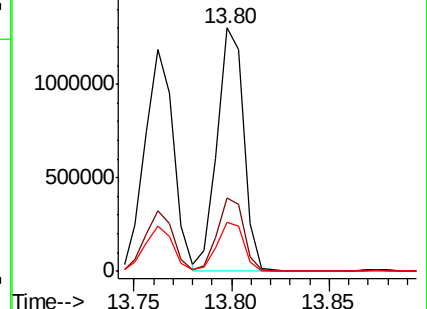
229 20.2 16.4 24.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 35.465 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

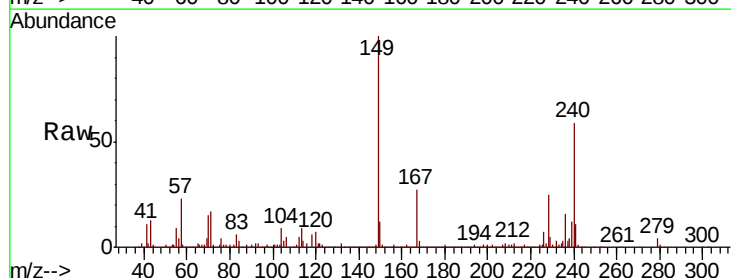
Tgt Ion:149 Resp: 854829

Ion Ratio Lower Upper

149 100

167 27.0 22.2 33.4

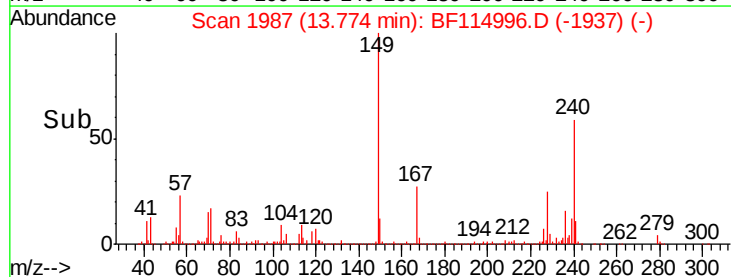
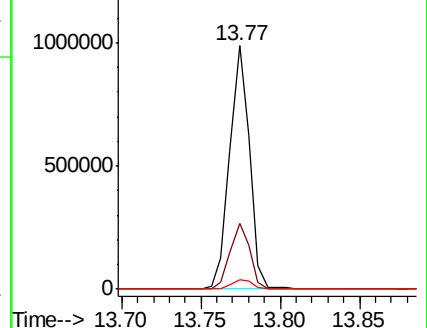
279 3.7 3.4 5.0

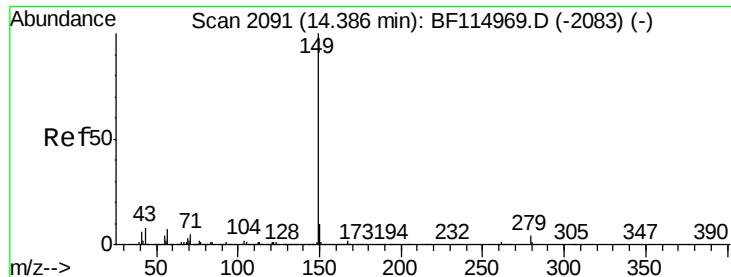


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 34.799 ng

RT: 14.38 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

Instrument :

BNA_F

ClientSampleId :

200030-200034MSD

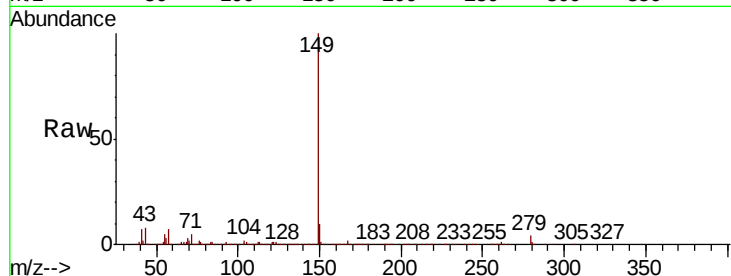
Tot Ion:149 Resp: 1444404

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

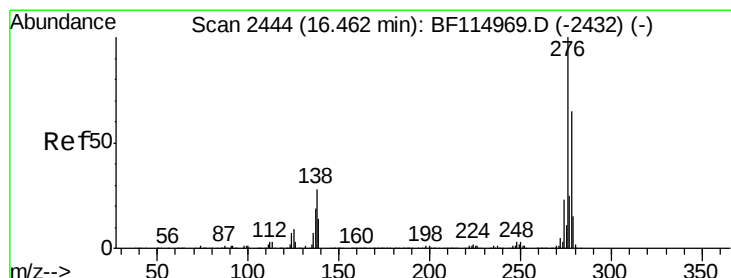
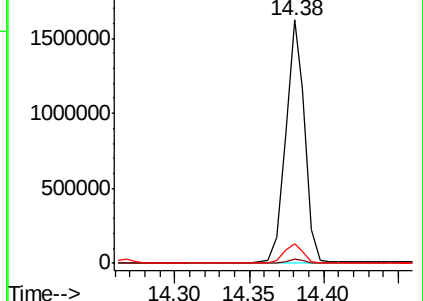
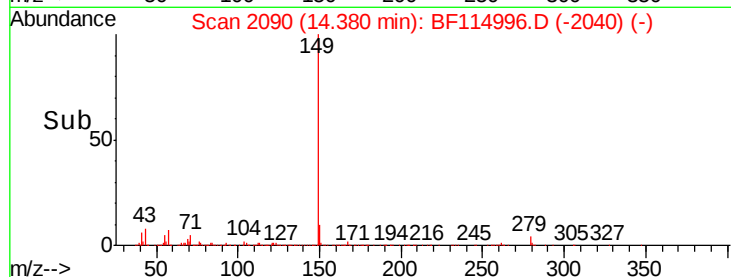
43 7.8 6.5 9.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 35.929 ng

RT: 16.45 min Scan# 2442

Delta R.T. -0.01 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

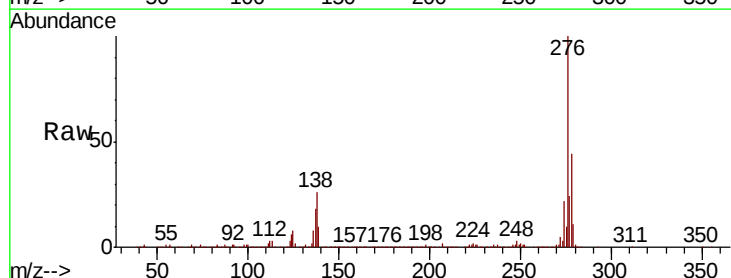
Tgt Ion:276 Resp: 1125653

Ion Ratio Lower Upper

276 100

138 29.3 23.0 34.4

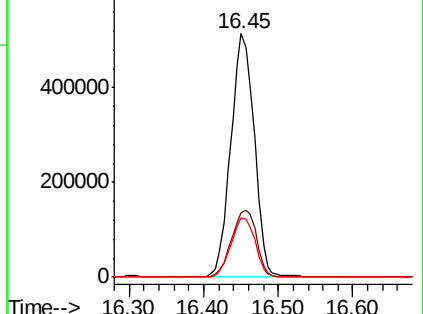
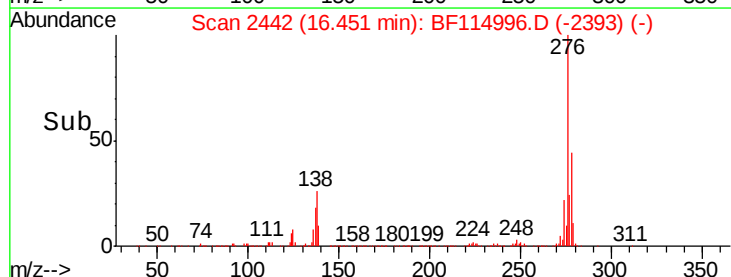
277 25.0 20.6 30.8

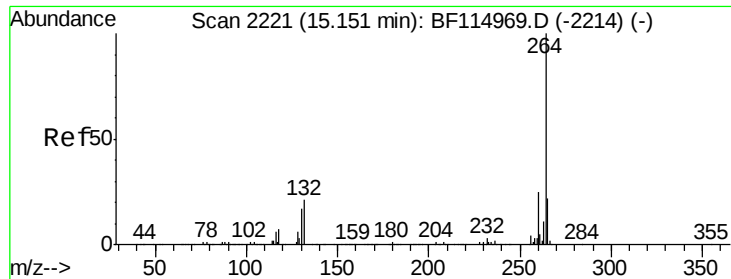


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

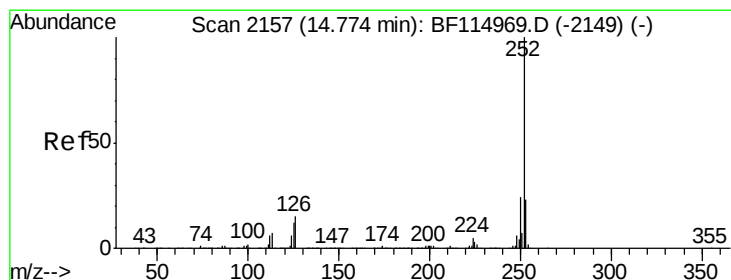
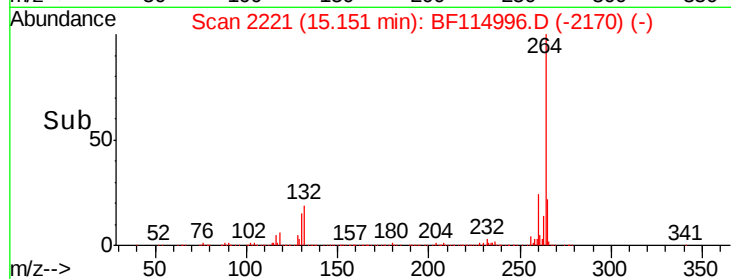
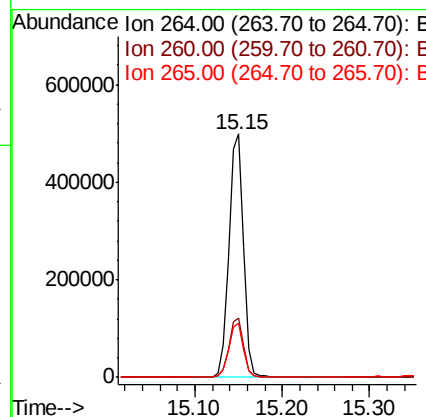
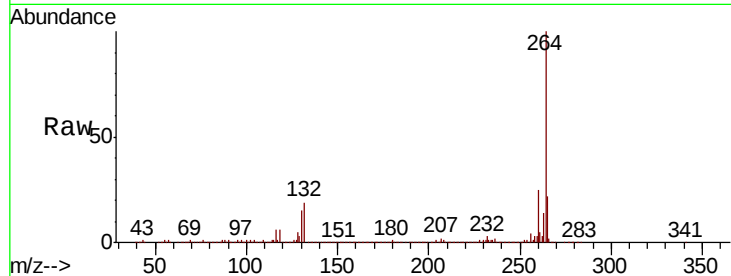




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

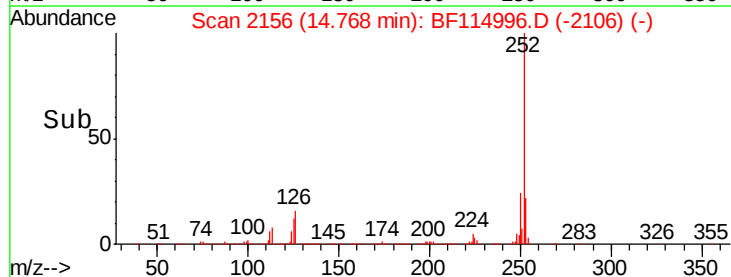
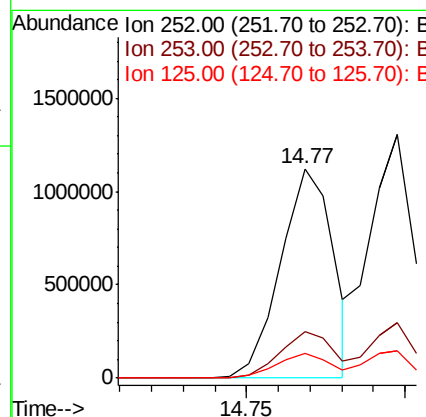
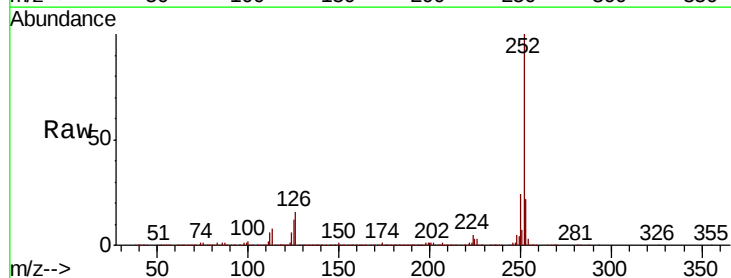
Instrument :
BNA_F
ClientSampleId :
200030-200034MSD

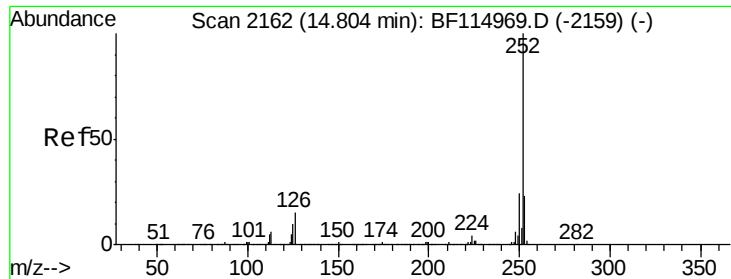
Tot Ion:264 Resp: 578118
Ion Ratio Lower Upper
264 100
260 24.6 19.9 29.9
265 22.5 17.6 26.4



#88
Benzo(b)fluoranthene
Concen: 33.861 ng
RT: 14.77 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

Tgt Ion:252 Resp: 1301308
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 12.0 9.4 14.0

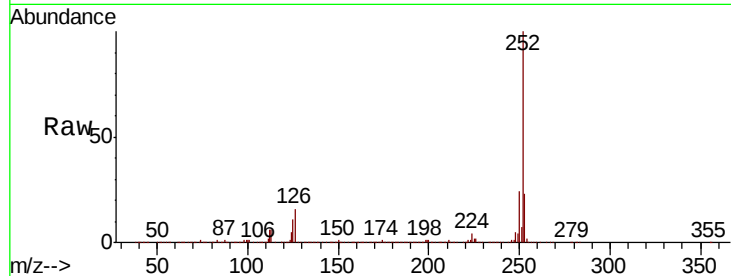




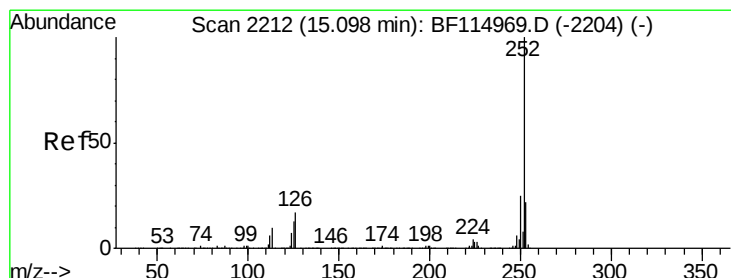
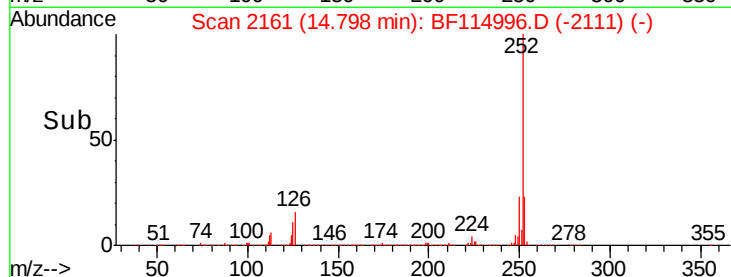
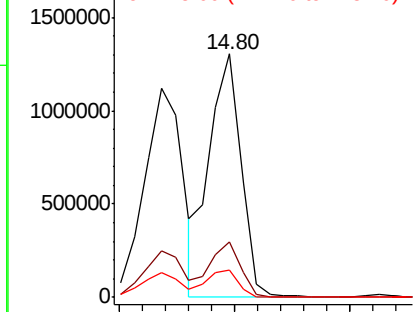
#89
Benzo(k)fluoranthene
Concen: 36.798 ng
RT: 14.80 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

Instrument :
BNA_F
ClientSampleId :
200030-200034MSD

Tot Ion:252 Resp: 1241278
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 11.0 8.2 12.4

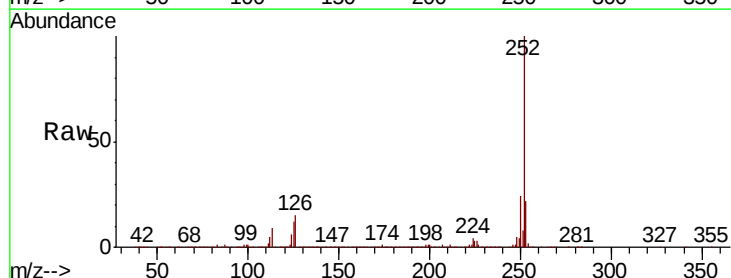


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

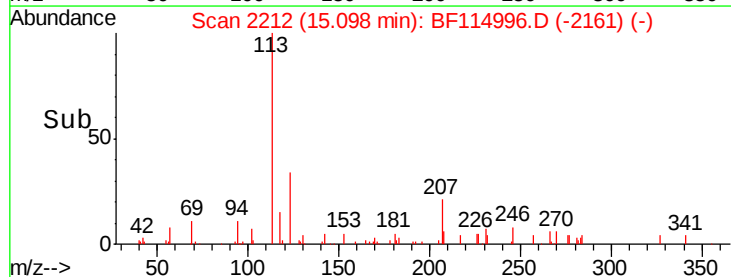
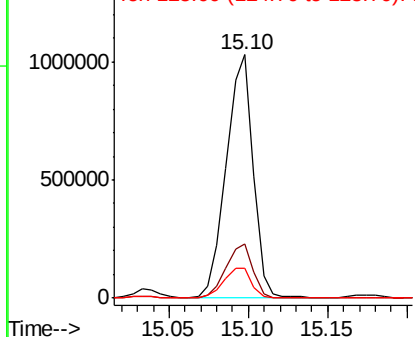


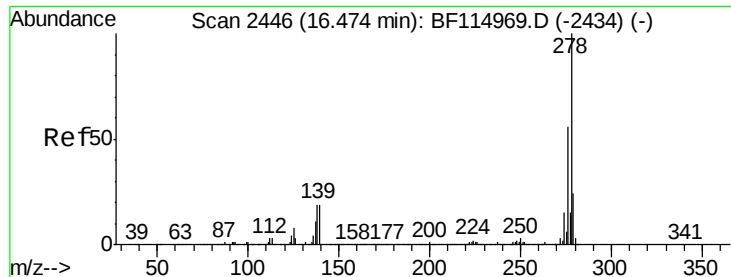
#90
Benzo(a)pyrene
Concen: 36.416 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.00 min
Lab File: BF114996.D
Acq: 13 Jun 2019 12:04

Tgt Ion:252 Resp: 1207620
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 12.4 10.7 16.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 33.195 ng

RT: 16.47 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

Instrument :

BNA_F

ClientSampleId :

200030-200034MSD

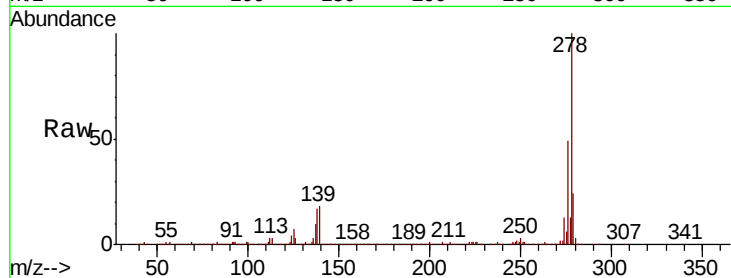
Tot Ion:278 Resp: 948005

Ion Ratio Lower Upper

278 100

139 17.6 15.3 22.9

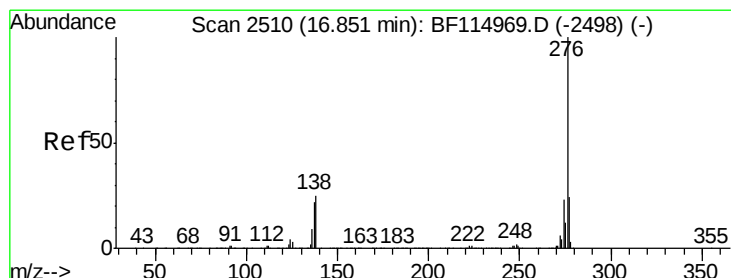
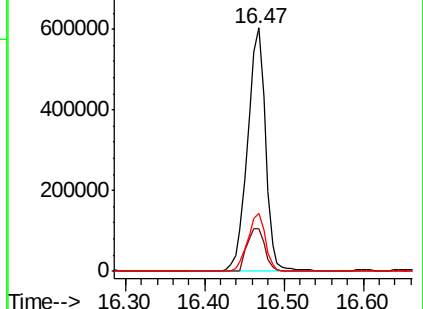
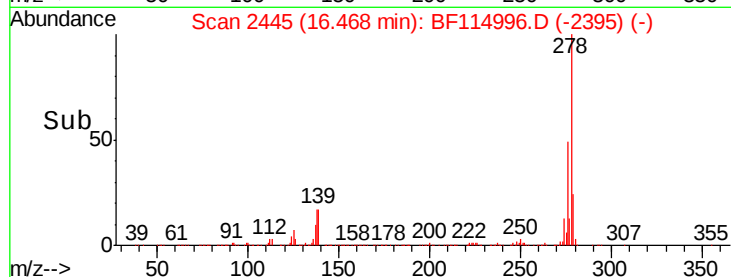
279 23.7 19.2 28.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 30.814 ng

RT: 16.84 min Scan# 2509

Delta R.T. -0.01 min

Lab File: BF114996.D

Acq: 13 Jun 2019 12:04

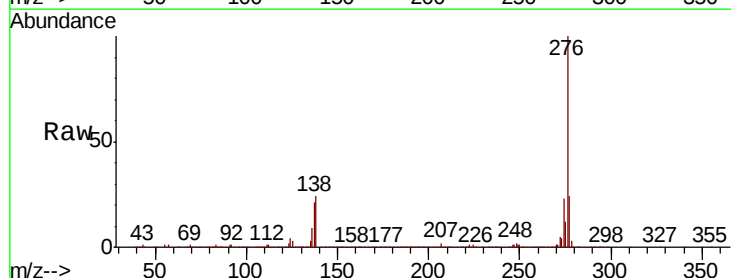
Tgt Ion:276 Resp: 897469

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 23.5 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

