

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061319\
 Data File : BF114995.D
 Acq On : 13 Jun 2019 11:38
 Operator : HP/JU
 Sample : K3283-01MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 200030-200034MS

Quant Time: Jun 13 17:32:16 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	306680	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	1169670	20.00	ng	0.00
39) Acenaphthene-d10	9.68	164	535366	20.00	ng	0.00
64) Phenanthrene-d10	11.15	188	872782	20.00	ng	0.00
76) Chrysene-d12	13.77	240	501702	20.00	ng	0.00
87) Perylene-d12	15.15	264	597544	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	1942034	105.74	ng	0.01
7) Phenol-d6	6.30	99	2440453	110.15	ng	0.00
23) Nitrobenzene-d5	7.22	82	1511670	77.79	ng	0.00
42) 2,4,6-Tribromophenol	10.47	330	577665	100.76	ng	0.00
45) 2-Fluorobiphenyl	9.01	172	2509039	79.43	ng	0.00
79) Terphenyl-d14	12.73	244	1973011	73.97	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.35	88	244909	28.488	ng	99
3) Pyridine	3.04	79	479613	19.815	ng	99
4) n-Nitrosodimethylamine	2.96	42	279035	32.471	ng	99
6) Aniline	6.32	93	423022	14.257	ng	# 1
8) 2-Chlorophenol	6.44	128	715672	34.365	ng	99
9) Benzaldehyde	6.19	77	162359	7.369	ng	98
10) Phenol	6.32	94	794845	32.066	ng	# 78
11) bis(2-Chloroethyl)ether	6.39	93	665337	34.582	ng	100
12) 1,3-Dichlorobenzene	6.59	146	764084	31.411	ng	98
13) 1,4-Dichlorobenzene	6.67	146	779671	31.881	ng	98
14) 1,2-Dichlorobenzene	6.82	146	718256	31.196	ng	98
15) Benzyl Alcohol	6.80	79	553814	33.363	ng	100
16) 2,2'-oxybis(1-Chloropropan	6.93	45	850211	33.018	ng	98
17) 2-Methylphenol	6.92	107	594505	34.224	ng	99
18) Hexachloroethane	7.16	117	263522	29.838	ng	98
19) n-Nitroso-di-n-propylamine	7.07	70	451208	33.520	ng	96
20) 3+4-Methylphenols	7.07	107	692012	33.473	ng	94
22) Acetophenone	7.06	105	982216	37.096	ng	# 96
24) Nitrobenzene	7.23	77	705768	35.697	ng	95
25) Isophorone	7.47	82	1301060	35.748	ng	99
26) 2-Nitrophenol	7.55	139	395671	35.904	ng	98
27) 2,4-Dimethylphenol	7.60	122	621314	39.082	ng	98
28) bis(2-Chloroethoxy)methane	7.69	93	820783	35.150	ng	100
29) 2,4-Dichlorophenol	7.80	162	605449	36.050	ng	98
30) 1,2,4-Trichlorobenzene	7.87	180	665375	34.287	ng	99
31) Naphthalene	7.95	128	1968810	35.575	ng	100
32) Benzoic acid	7.70	122	128915	11.207	ng	95
33) 4-Chloroaniline	8.00	127	291371	11.406	ng	97
34) Hexachlorobutadiene	8.08	225	352494	32.679	ng	99
35) Caprolactam	8.37	113	126563	22.626	ng	99
36) 4-Chloro-3-methylphenol	8.50	107	616222	36.410	ng	99
37) 2-Methylnaphthalene	8.65	142	1310944	35.516	ng	99
38) 1-Methylnaphthalene	8.74	142	1248796	35.796	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.81	216	586717	37.095	ng	100

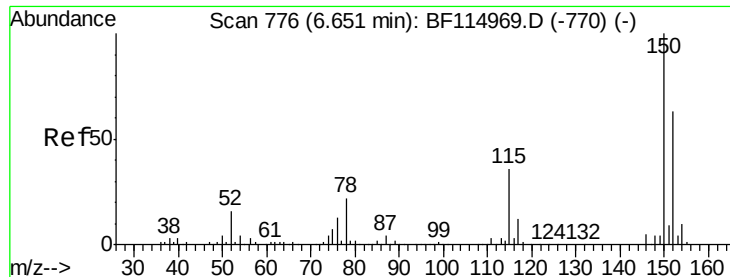
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061319\
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 QLast Update : Wed Jun 12 15:42:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.80	237	282178	36.205	ng	99
43) 2,4,6-Trichlorophenol	8.93	196	426323	36.087	ng	100
44) 2,4,5-Trichlorophenol	8.97	196	439101	36.779	ng	98
46) 1,1'-Biphenyl	9.11	154	1523317	35.507	ng	98
47) 2-Chloronaphthalene	9.13	162	1220713	35.187	ng	100
48) 2-Nitroaniline	9.22	65	348766	34.013	ng	97
49) Acenaphthylene	9.54	152	1855353	34.784	ng	99
50) Dimethylphthalate	9.42	163	1737296	43.150	ng	99
51) 2,6-Dinitrotoluene	9.47	165	333195	36.483	ng	89
52) Acenaphthene	9.72	154	1064372	34.878	ng	98
53) 3-Nitroaniline	9.63	138	249656	22.311	ng	96
54) 2,4-Dinitrophenol	9.74	184	82639	18.655	ng	94
55) Dibenzofuran	9.89	168	1569035	34.115	ng	97
56) 4-Nitrophenol	9.81	139	482504	62.530	ng	91
57) 2,4-Dinitrotoluene	9.87	165	410633	35.326	ng	95
58) Fluorene	10.23	166	1114530	34.473	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.00	232	334139	34.649	ng	99
60) Diethylphthalate	10.11	149	1384646	35.968	ng	100
61) 4-Chlorophenyl-phenylether	10.22	204	554010	34.728	ng	99
62) 4-Nitroaniline	10.24	138	313766	27.889	ng	99
63) Azobenzene	10.38	77	1143388	33.950	ng	96
65) 4,6-Dinitro-2-methylphenol	10.27	198	85353	17.448	ng	95
66) n-Nitrosodiphenylamine	10.34	169	1074632	41.191	ng	99
67) 4-Bromophenyl-phenylether	10.70	248	353702	37.744	ng	95
68) Hexachlorobenzene	10.77	284	363493	35.232	ng	94
69) Atrazine	10.87	200	333668	39.668	ng	98
70) Pentachlorophenol	10.97	266	357121	63.738	ng	99
71) Phenanthrene	11.18	178	1596082	35.419	ng	98
72) Anthracene	11.23	178	1593983	35.063	ng	99
73) Carbazole	11.38	167	1409837	35.530	ng	98
74) Di-n-butylphthalate	11.73	149	1817591	36.334	ng	98
75) Fluoranthene	12.36	202	1495924	32.464	ng	99
77) Benzidine	12.47	184	195228	9.621	ng	97
78) Pyrene	12.58	202	1468994	32.141	ng	99
80) Butylbenzylphthalate	13.21	149	643755	30.156	ng	99
81) Benzo(a)anthracene	13.76	228	1260303	33.569	ng	99
82) 3,3'-Dichlorobenzidine	13.73	252	425788	29.582	ng	# 96
83) Chrysene	13.80	228	1285266	34.427	ng	99
84) Bis(2-ethylhexyl)phthalate	13.77	149	915760	36.296	ng	97
85) Di-n-octyl phthalate	14.38	149	1526307	35.130	ng	100
86) Indeno(1,2,3-cd)pyrene	16.45	276	1140595	34.780	ng	99
88) Benzo(b)fluoranthene	14.77	252	1482676	37.326	ng	100
89) Benzo(k)fluoranthene	14.80	252	1141526	32.740	ng	99
90) Benzo(a)pyrene	15.10	252	1236930	36.087	ng	99
91) Dibenzo(a,h)anthracene	16.47	278	966956	32.758	ng	98
92) Benzo(g,h,i)perylene	16.84	276	909935	30.226	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.65 min Scan# 776

Delta R.T. -0.00 min

Lab File: BF114995.D

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200030-200034MS

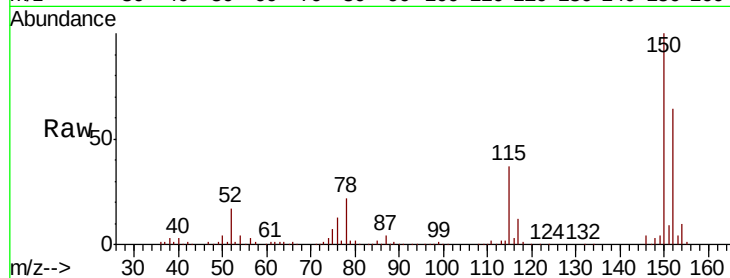
Tot Ion:152 Resp: 306680

Ion Ratio Lower Upper

152 100

150 156.6 127.4 191.0

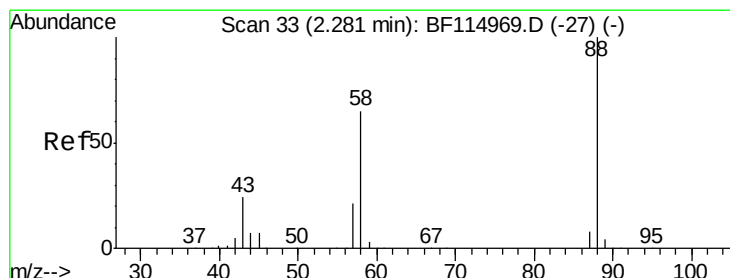
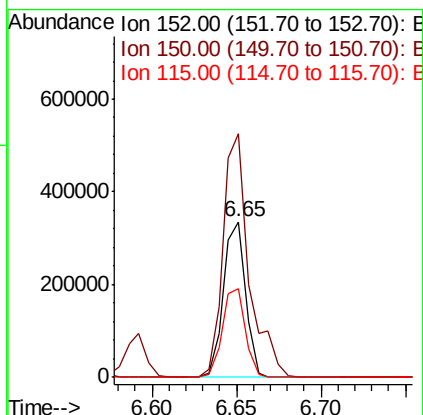
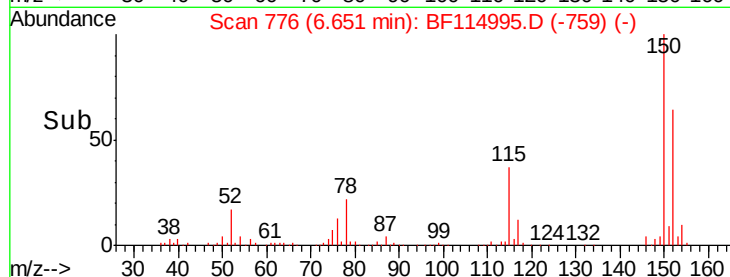
115 57.4 46.0 69.0



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



#2

1,4-Dioxane

Concen: 28.488 ng

RT: 2.35 min Scan# 44

Delta R.T. 0.06 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

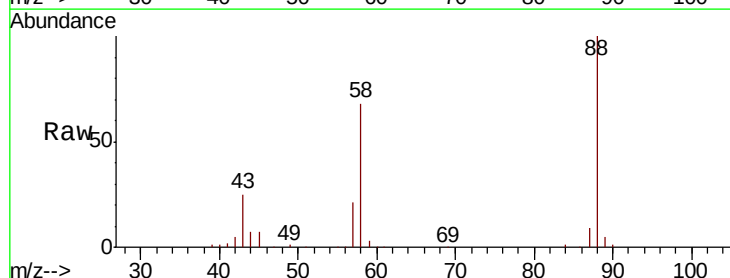
Tgt Ion: 88 Resp: 244909

Ion Ratio Lower Upper

88 100

58 66.2 53.4 80.2

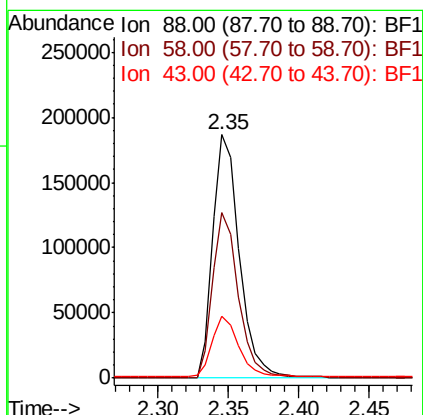
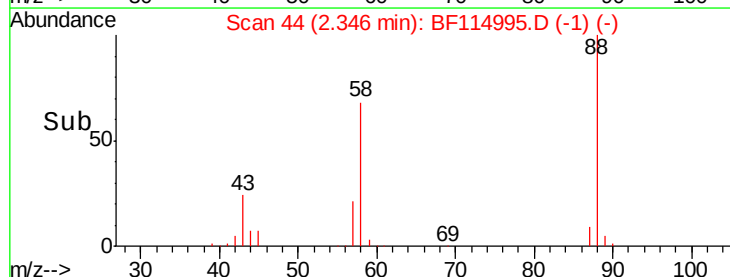
43 25.3 19.7 29.5

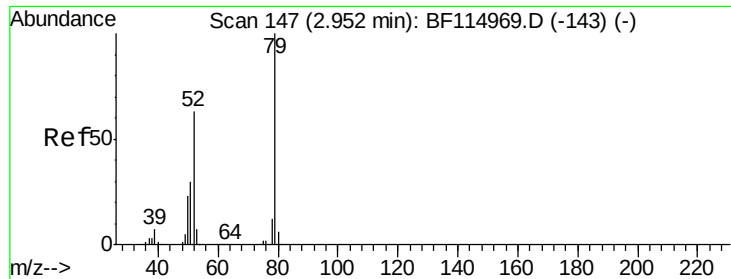


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1

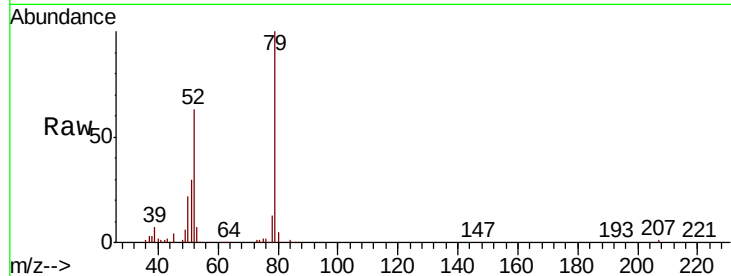




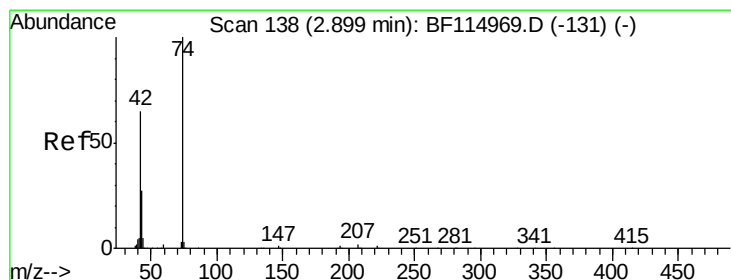
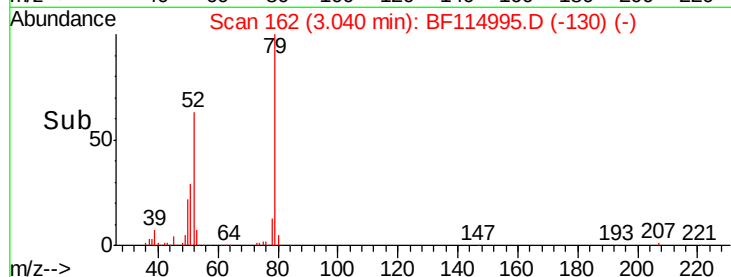
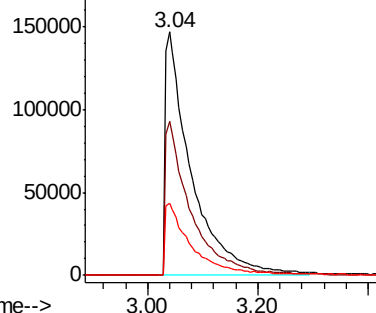
#3
 Pvridine
 Concen: 19.815 ng
 RT: 3.04 min Scan# 162
 Delta R.T. 0.09 min
 Lab File: BF114995.D
 Acq: 13 Jun 2019 11:38

Instrument :
 BNA_F
 ClientSampleId :
 200030-200034MS

Tot Ion: 79 Resp: 479613
 Ion Ratio Lower Upper
 79 100
 52 63.2 50.3 75.5
 51 29.6 24.4 36.6

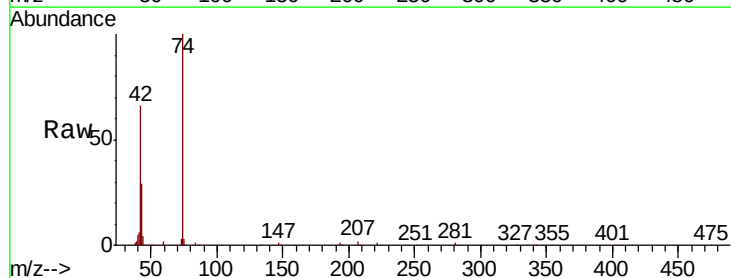


Abundance Ion 79.00 (78.70 to 79.70): BF1
 200000 Ion 52.00 (51.70 to 52.70): BF1
 Ion 51.00 (50.70 to 51.70): BF1

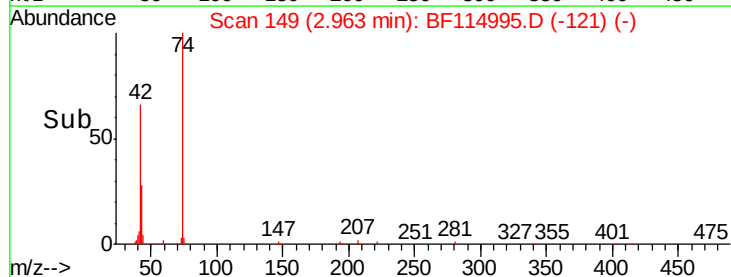
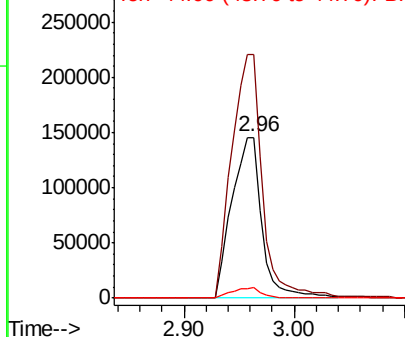


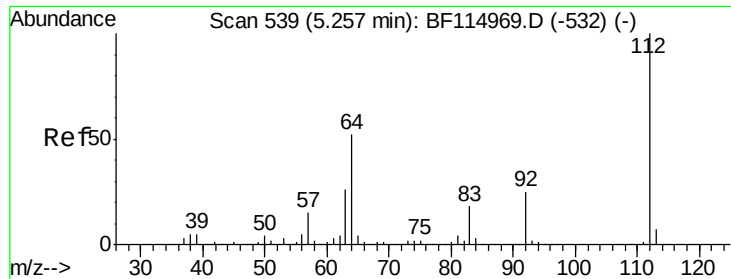
#4
 n-Nitrosodimethylamine
 Concen: 32.471 ng
 RT: 2.96 min Scan# 149
 Delta R.T. 0.06 min
 Lab File: BF114995.D
 Acq: 13 Jun 2019 11:38

Tgt Ion: 42 Resp: 279035
 Ion Ratio Lower Upper
 42 100
 74 151.6 122.2 183.2
 44 6.4 5.8 8.8



Abundance Ion 42.00 (41.70 to 42.70): BF1
 300000 Ion 74.00 (73.70 to 74.70): BF1
 Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 105.738 ng

RT: 5.27 min Scan# 541

Delta R.T. 0.01 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

Instrument :

BNA_F

ClientSampleId :

200030-200034MS

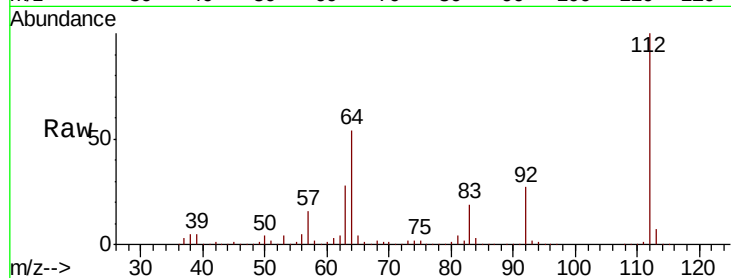
Tot Ion:112 Resp: 1942034

Ion Ratio Lower Upper

112 100

64 54.4 41.6 62.4

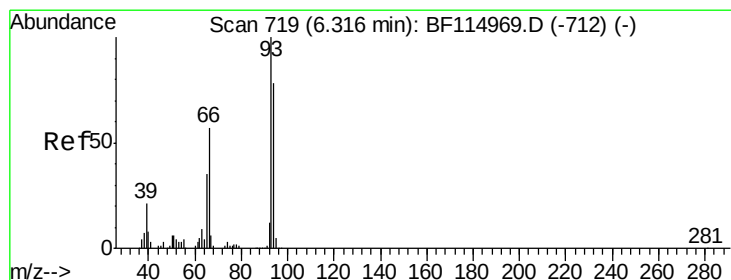
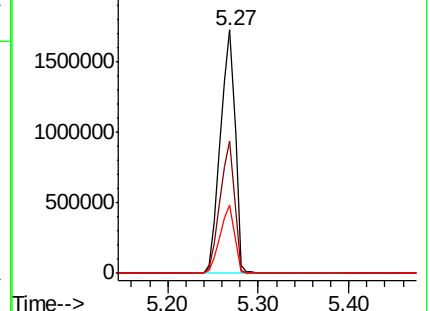
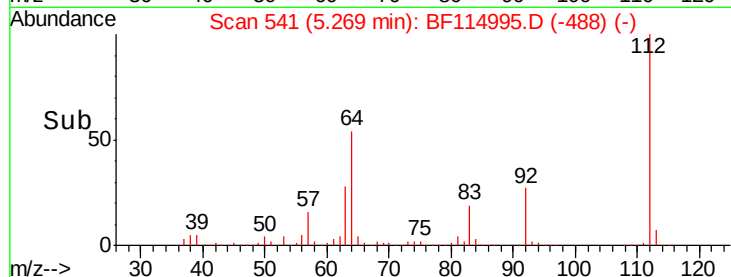
63 28.0 20.9 31.3



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: 14.257 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.00 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

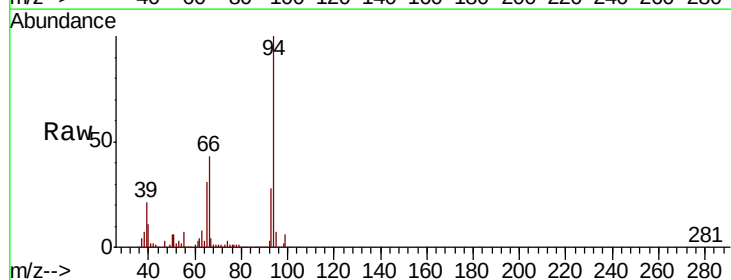
Tgt Ion: 93 Resp: 423022

Ion Ratio Lower Upper

93 100

66 154.0 46.2 69.2#

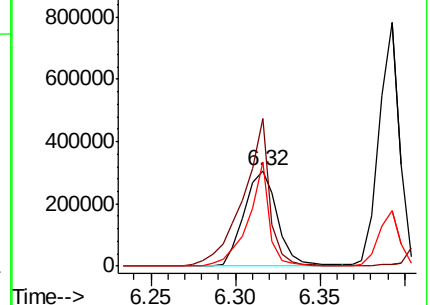
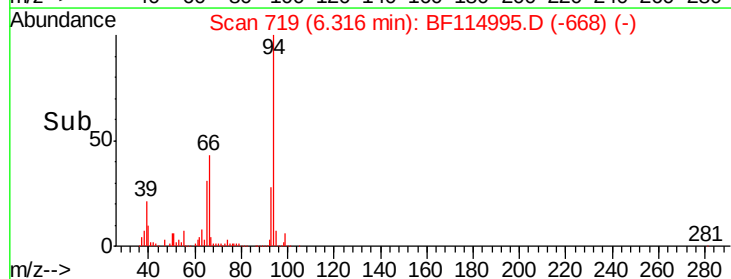
65 108.8 27.7 41.5#

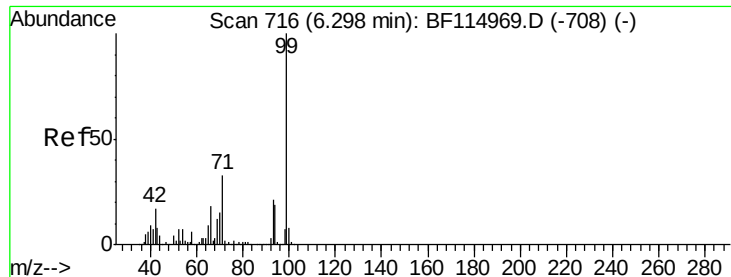


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 110.153 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.01 min

Lab File: BF114995.D

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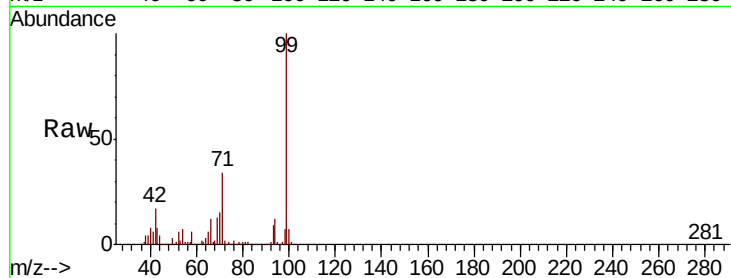
Tot Ion: 99 Resp: 2440453

Ion Ratio Lower Upper

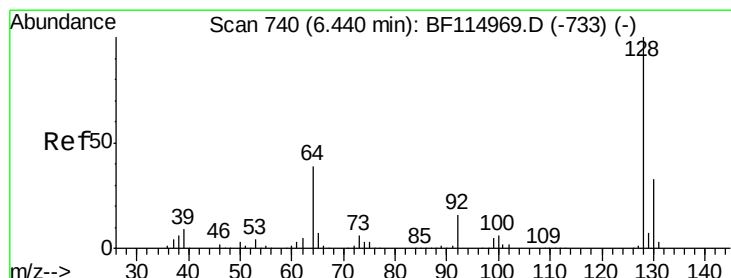
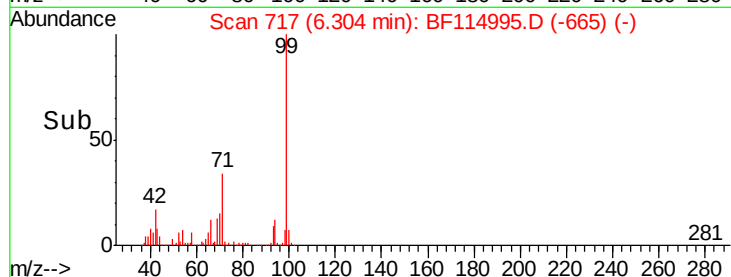
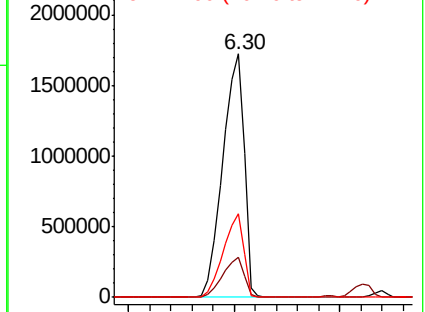
99 100

42 16.5 13.4 20.2

71 34.4 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: 34.365 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

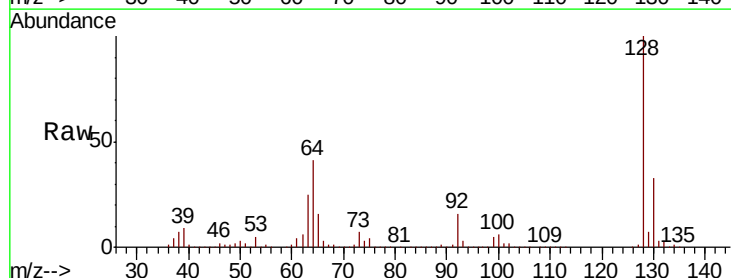
Tgt Ion: 128 Resp: 715672

Ion Ratio Lower Upper

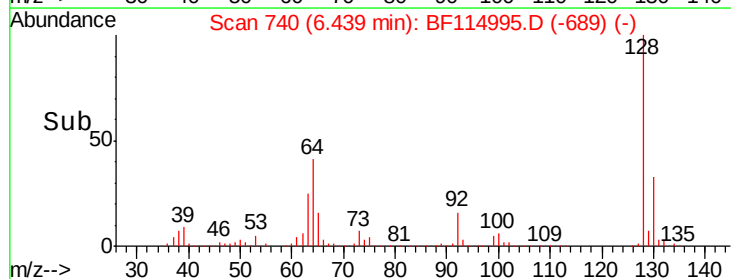
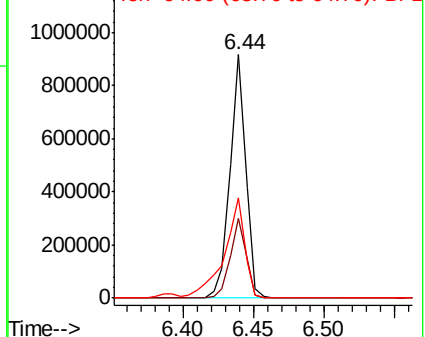
128 100

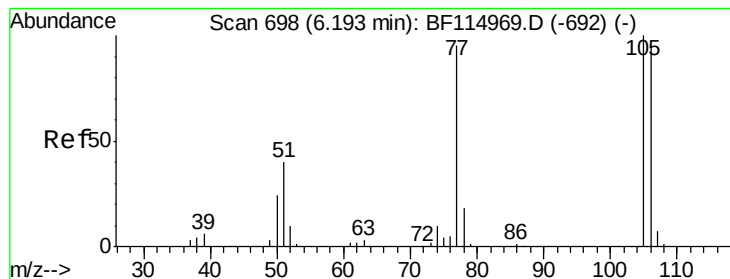
130 32.9 13.4 53.4

64 41.2 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: 7.369 ng

RT: 6.19 min Scan# 697

Delta R.T. -0.01 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

Instrument :

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200030-200034MS

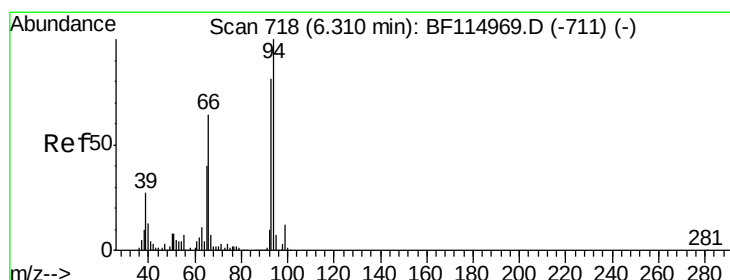
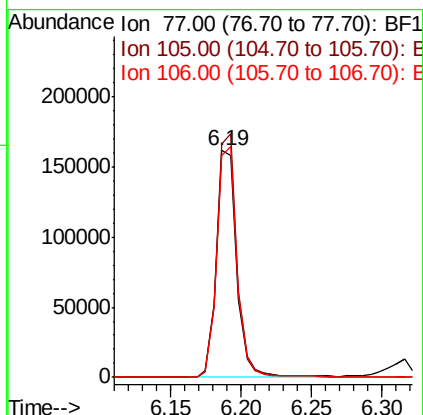
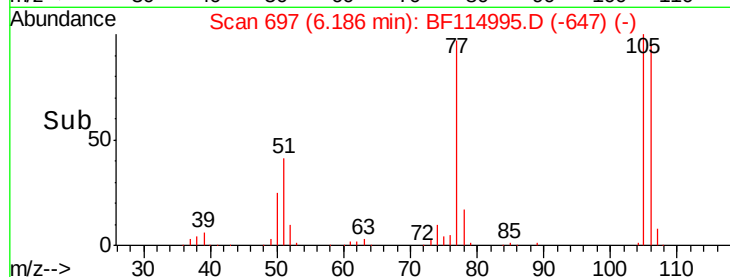
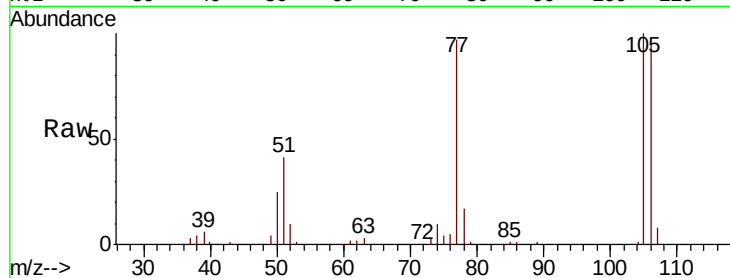
Tot Ion: 77 Resp: 162359

Ion Ratio Lower Upper

77 100

105 103.0 85.1 125.1

106 98.1 80.0 120.0



#10

Phenol

Concen: 32.066 ng

RT: 6.32 min Scan# 719

Delta R.T. 0.01 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

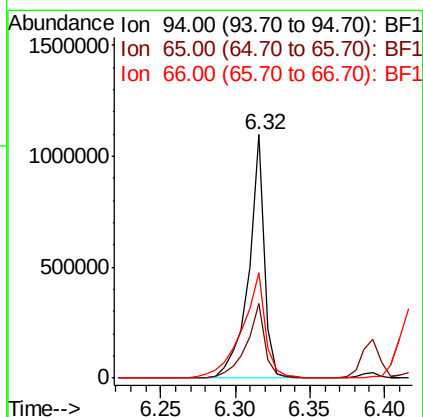
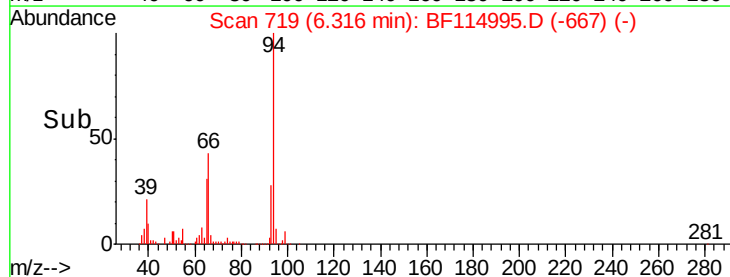
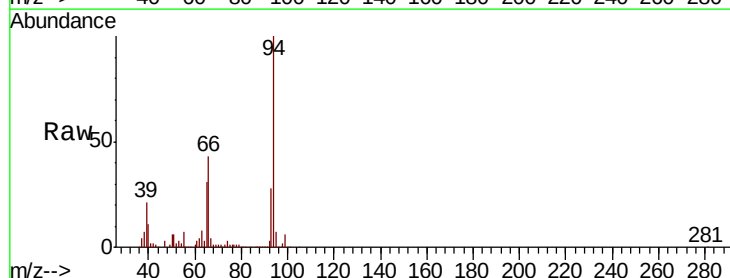
Tgt Ion: 94 Resp: 794845

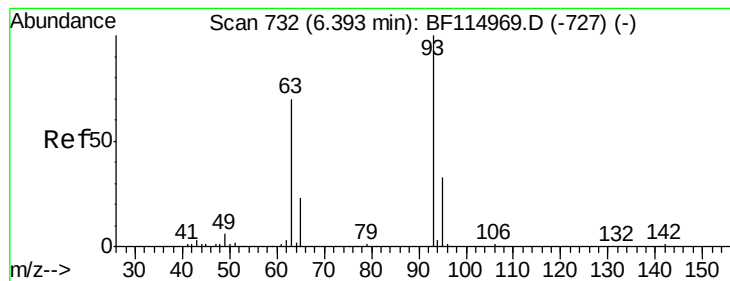
Ion Ratio Lower Upper

94 100

65 30.5 20.0 60.0

66 43.2 44.1 84.1#





#11

bis(2-Chloroethyl)ether

Concen: 34.582 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

Instrument :

BNA_F

ClientSampleId :

200030-200034MS

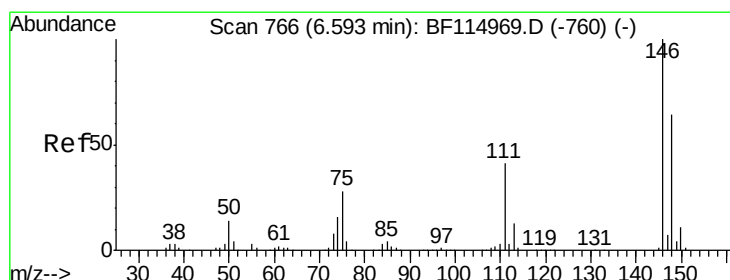
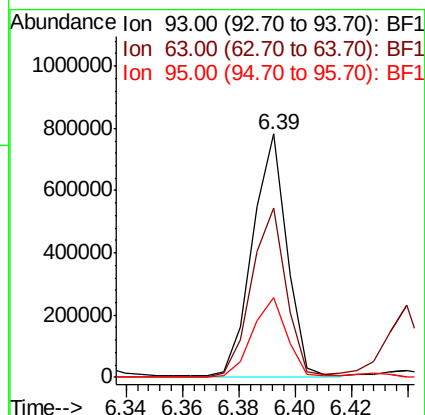
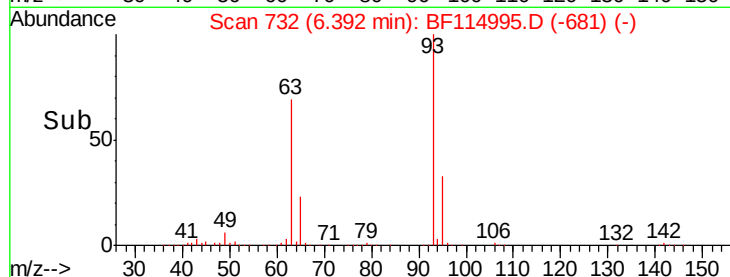
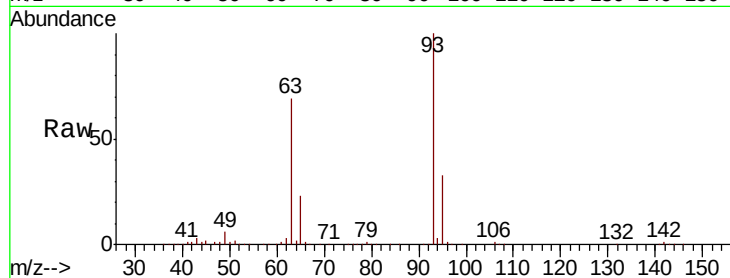
Tot Ion: 93 Resp: 665337

Ion Ratio Lower Upper

93 100

63 69.5 49.8 89.8

95 33.0 13.3 53.3



#12

1,3-Dichlorobenzene

Concen: 31.411 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.00 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

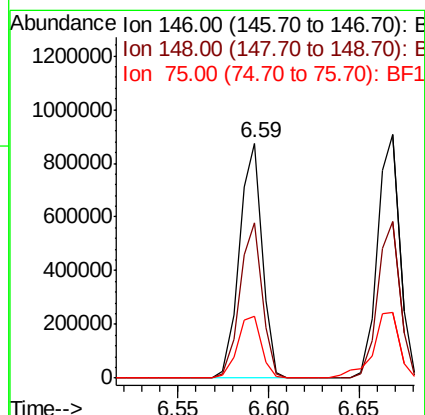
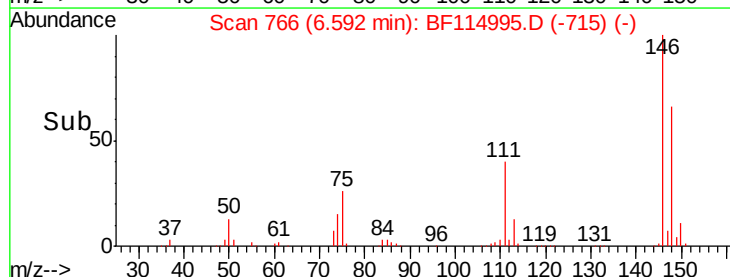
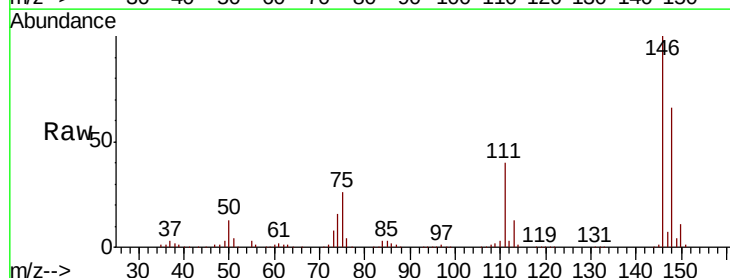
Tgt Ion: 146 Resp: 764084

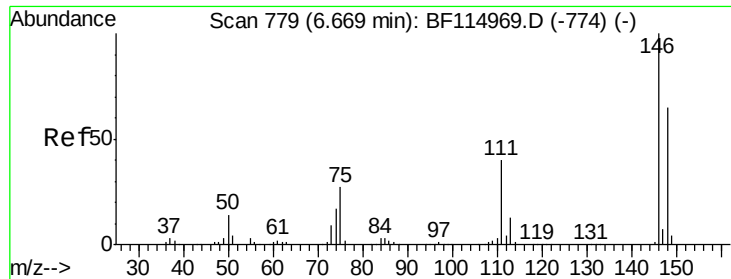
Ion Ratio Lower Upper

146 100

148 66.1 51.6 77.4

75 26.5 22.3 33.5

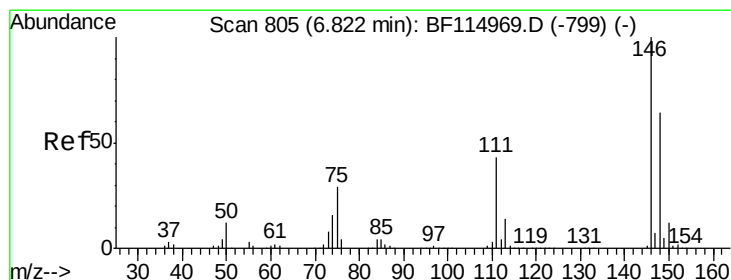
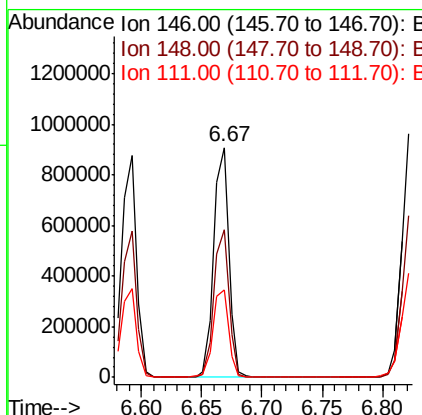
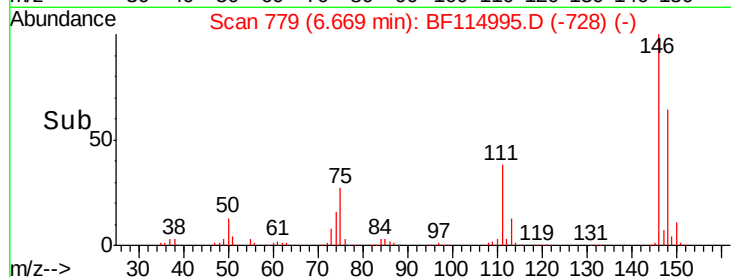
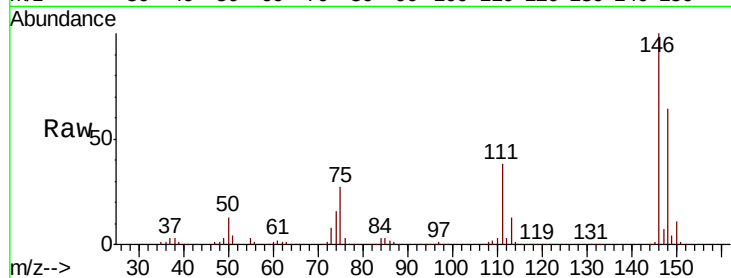




#13
 1,4-Dichlorobenzene
 Concen: 31.881 ng
 RT: 6.67 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: BF114995.D
 Acq: 13 Jun 2019 11:38

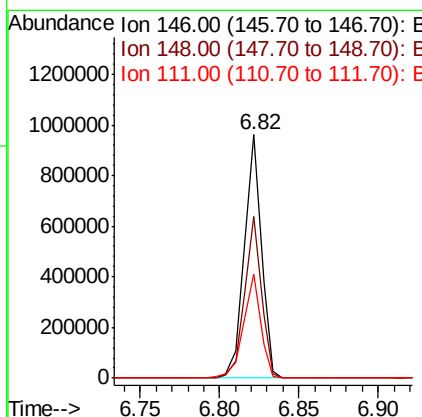
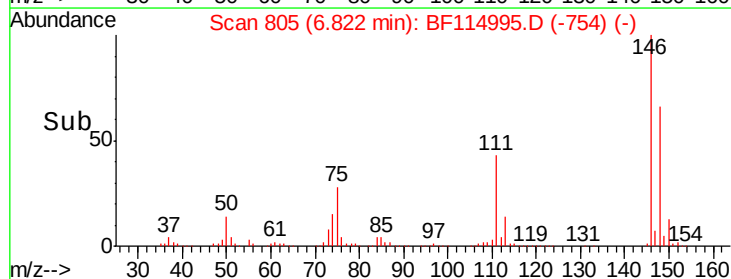
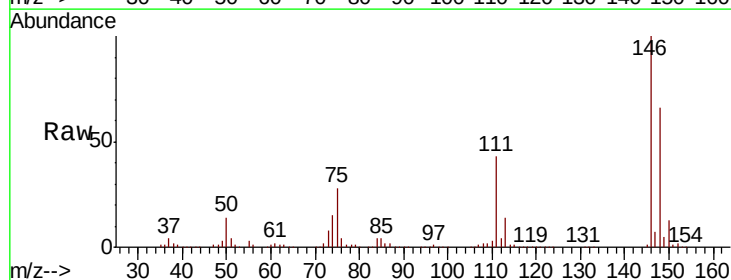
Instrument :
 BNA_F
 ClientSampleId :
 200030-200034MS

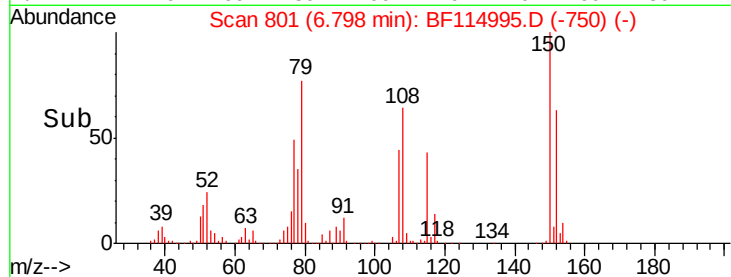
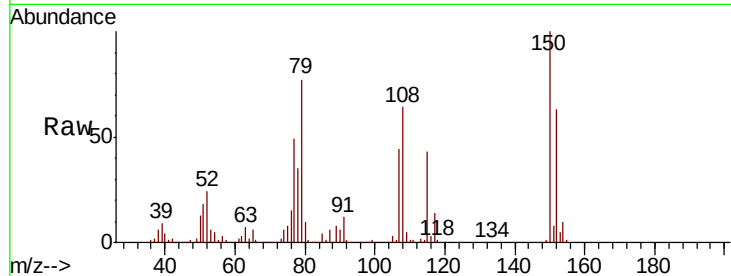
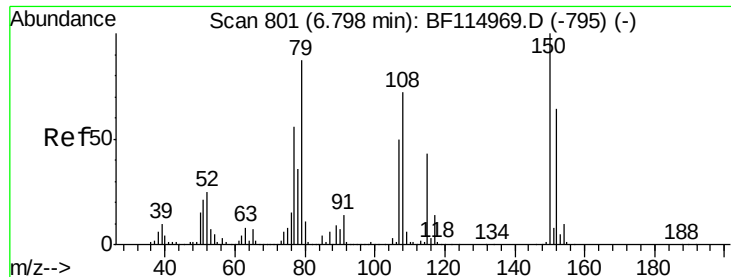
Tot Ion:146 Resp: 779671
 Ion Ratio Lower Upper
 146 100
 148 64.4 52.2 78.2
 111 38.2 32.4 48.6



#14
 1,2-Dichlorobenzene
 Concen: 31.196 ng
 RT: 6.82 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: BF114995.D
 Acq: 13 Jun 2019 11:38

Tgt Ion:146 Resp: 718256
 Ion Ratio Lower Upper
 146 100
 148 66.2 51.5 77.3
 111 42.9 34.6 51.8





#15

Benzyl Alcohol

Concen: 33.363 ng

RT: 6.80 min Scan# 801

Delta R.T. -0.00 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

Instrument :

BNA_F

ClientSampleId :

200030-200034MS

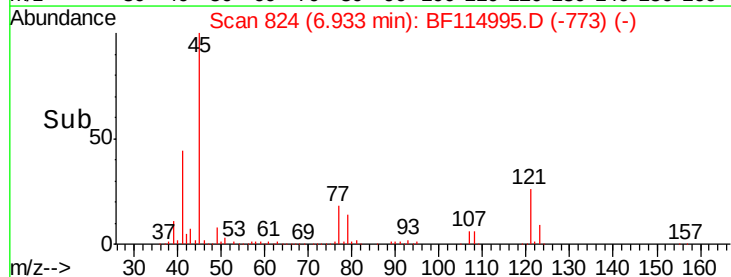
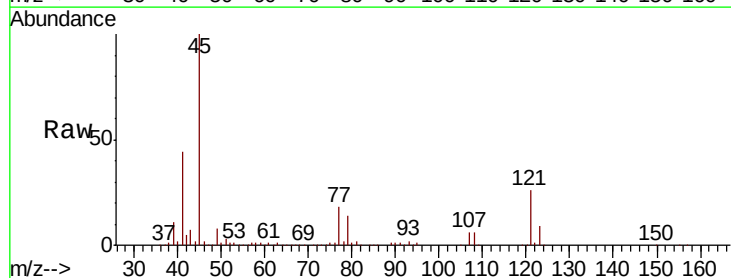
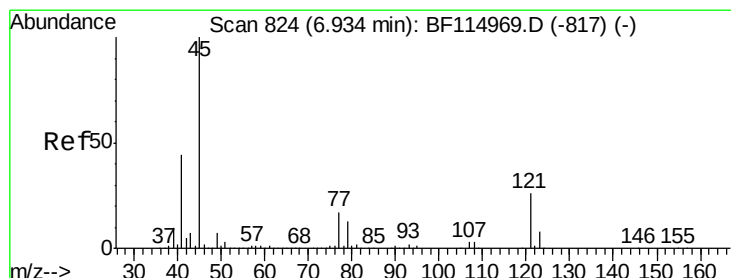
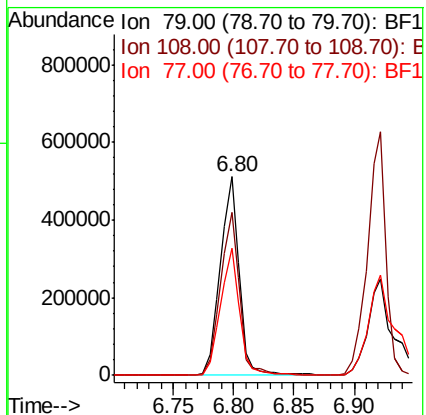
Tot Ion: 79 Resp: 553814

Ion Ratio Lower Upper

79 100

108 82.5 66.0 99.0

77 63.9 51.1 76.7



#16

2,2'-oxybis(1-Chloropropane)

Concen: 33.018 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.00 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

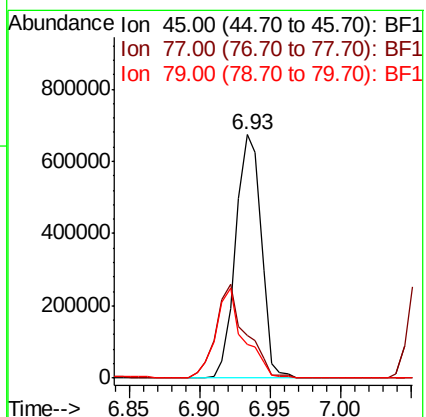
Tgt Ion: 45 Resp: 850211

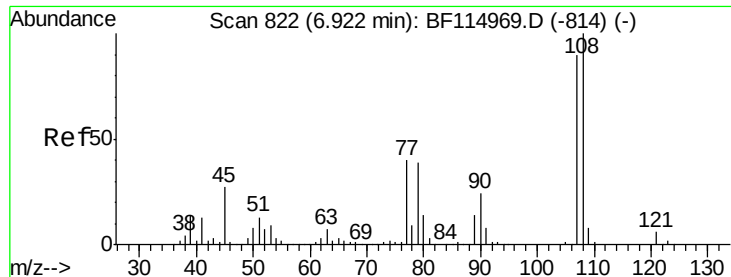
Ion Ratio Lower Upper

45 100

77 17.7 0.0 37.0

79 14.1 0.0 33.1

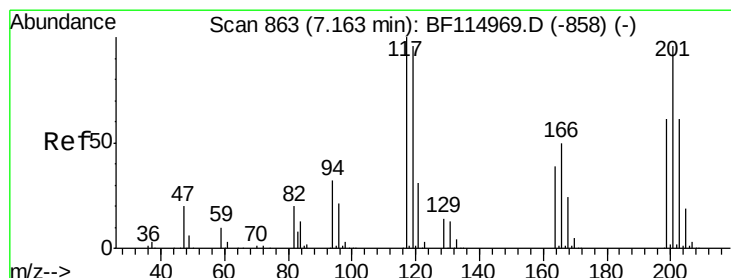
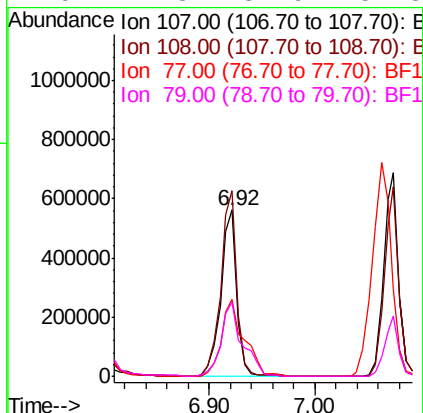
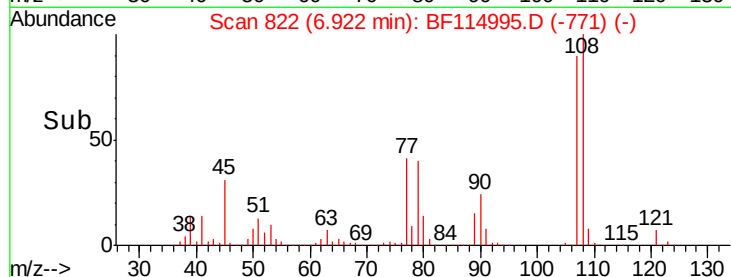
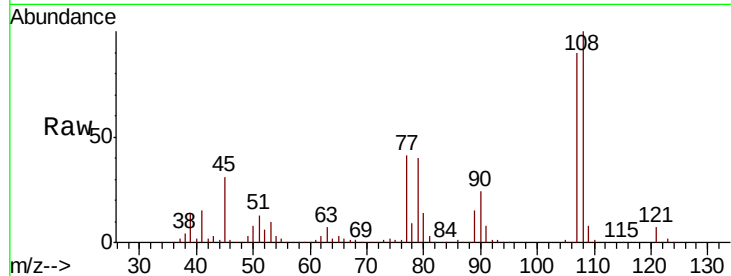




#17
2-Methylphenol
Concen: 34.224 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

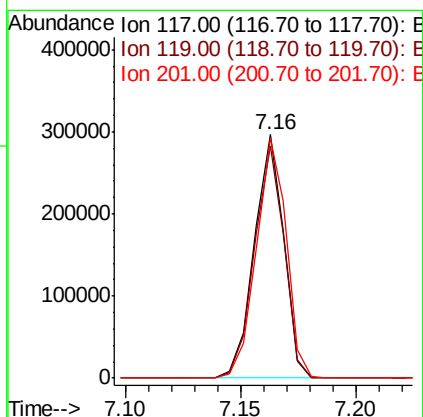
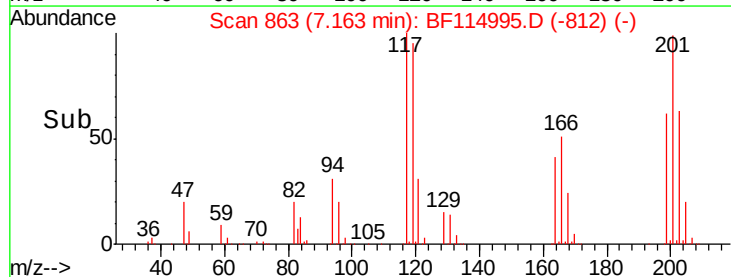
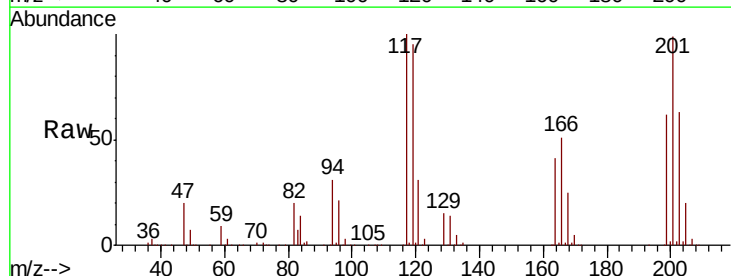
Instrument :
BNA_F
ClientSampleId :
200030-200034MS

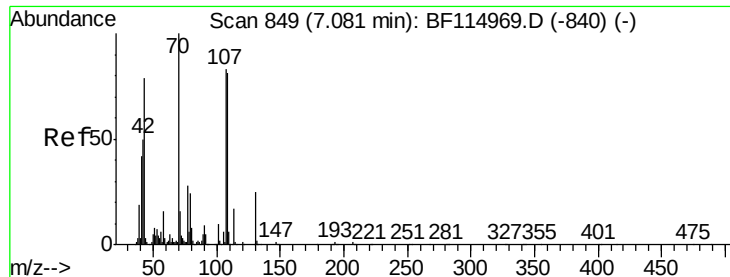
Tot Ion	Ratio	Lower	Upper
107	100		
108	111.5	89.3	133.9
77	46.0	35.4	53.2
79	44.3	34.9	52.3



#18
Hexachloroethane
Concen: 29.838 ng
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.0	115.4
201	98.5	76.6	115.0

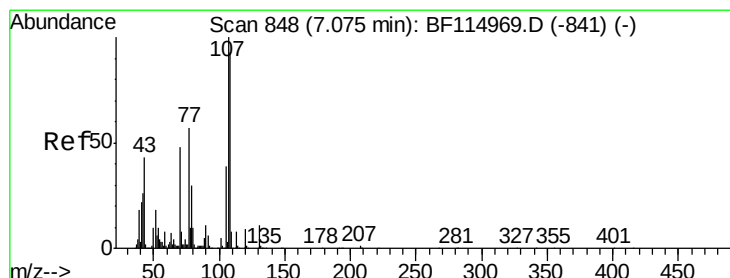
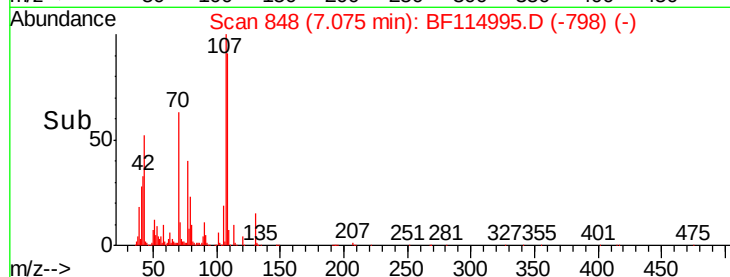
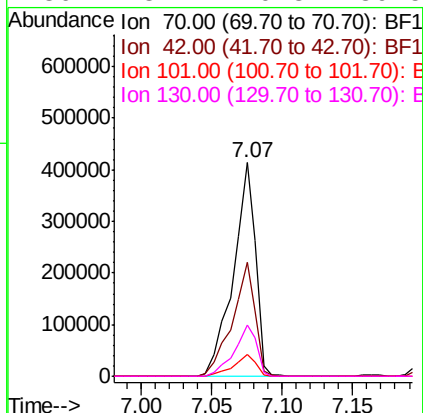
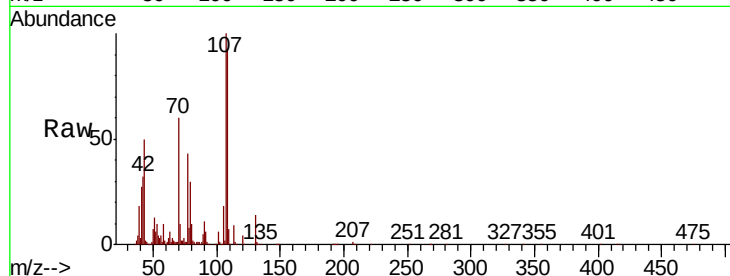




#19
n-Nitroso-di-n-propylamine
Concen: 33.520 ng
RT: 7.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

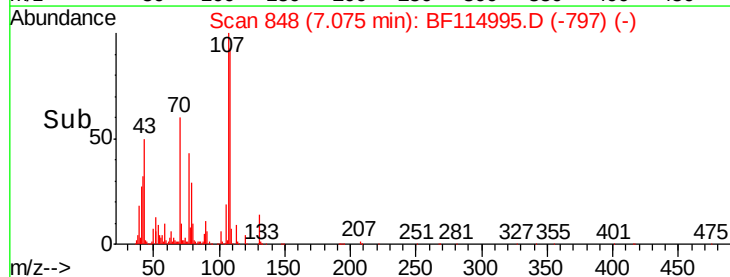
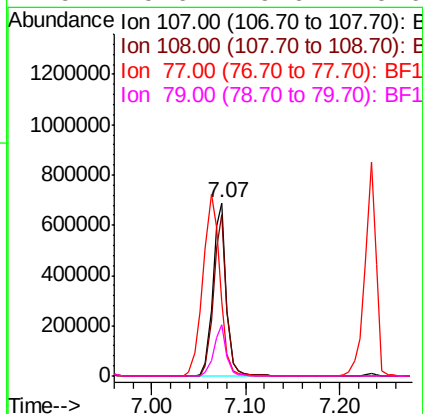
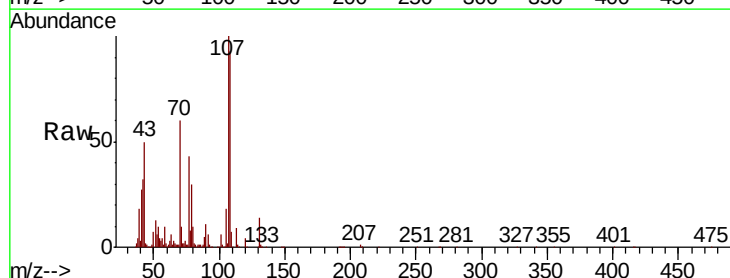
Instrument :
BNA_F
ClientSampleId :
200030-200034MS

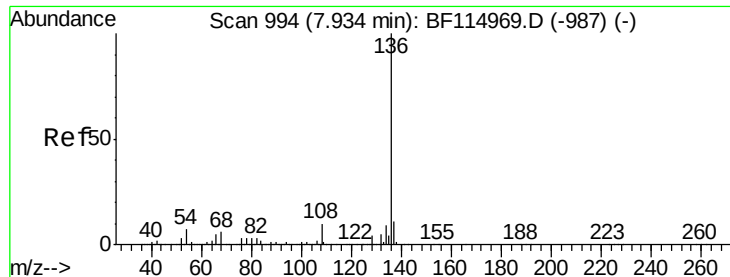
Tot Ion	Ratio	Lower	Upper
70	100		
42	53.5	40.3	60.5
101	10.0	8.2	12.4
130	23.7	20.3	30.5



#20
3+4-Methylphenols
Concen: 33.473 ng
RT: 7.07 min Scan# 848
Delta R.T. -0.00 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Tgt Ion	Ratio	Lower	Upper
107	100		
108	93.0	73.1	113.1
77	43.0	37.3	77.3
79	29.6	9.6	49.6

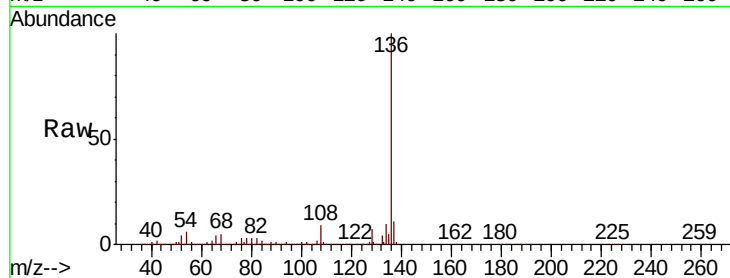




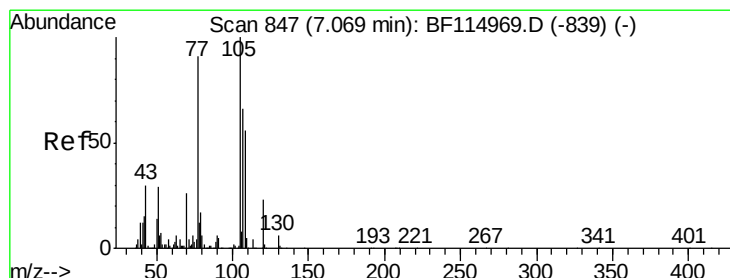
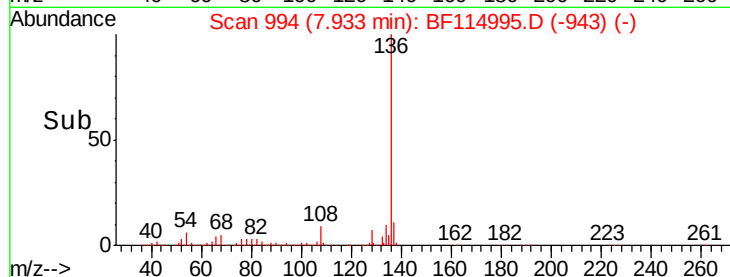
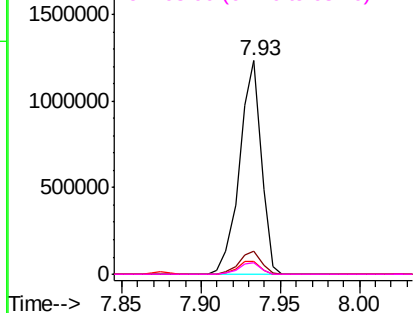
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 994
Delta R.T. -0.00 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Instrument :
BNA_F
ClientSampleId :
200030-200034MS

Tot Ion:136	Resp: 1169670
Ion Ratio	Lower Upper
136 100	
137 11.1	9.0 13.4
54 6.3	5.4 8.0
68 5.5	4.6 7.0

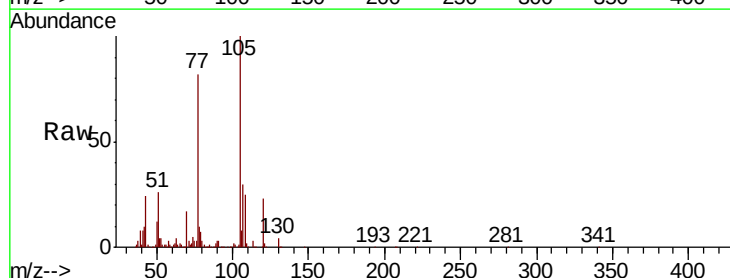


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

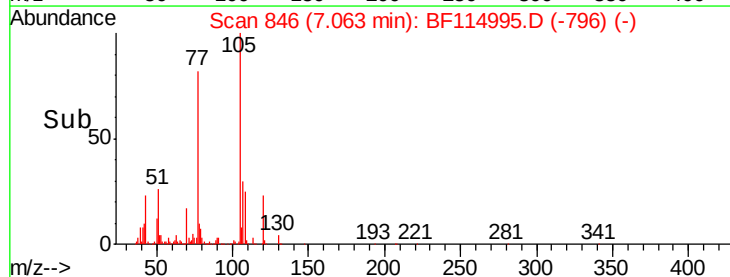
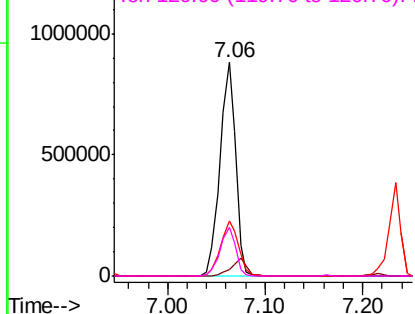


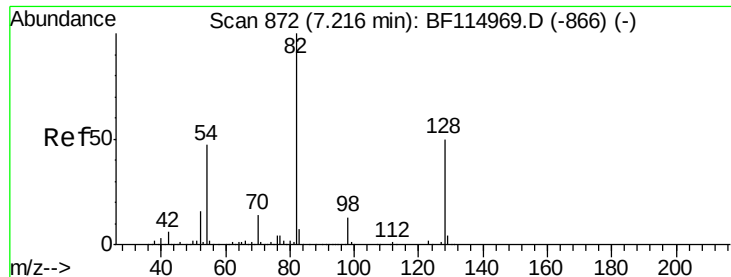
#22
Acetophenone
Concen: 37.096 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Tgt	Ion:105	Resp:	982216
Ion	Ratio	Lower	Upper
105	100		
71	2.8	3.4	5.2#
51	26.0	23.3	34.9
120	23.0	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

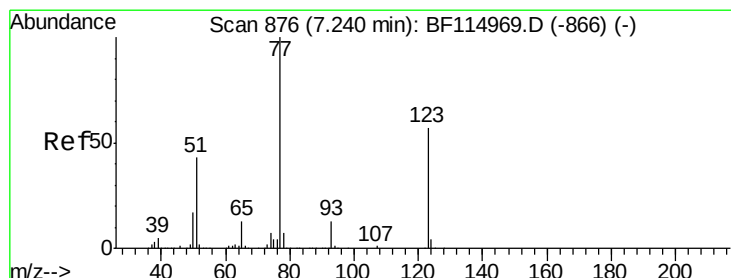
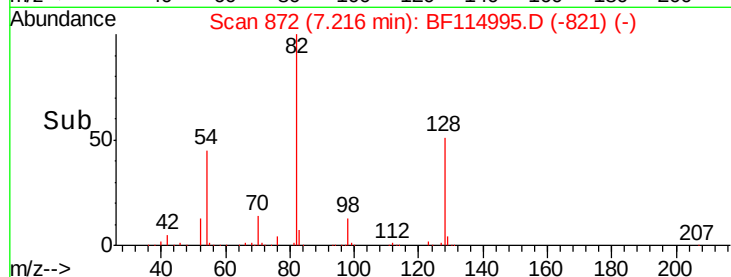
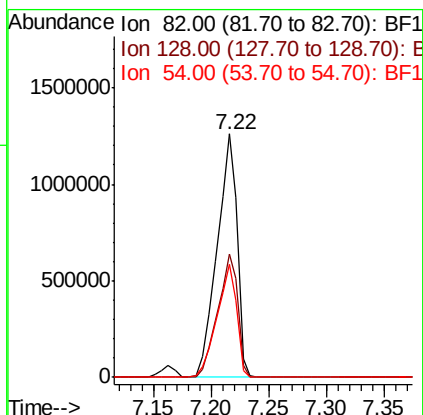
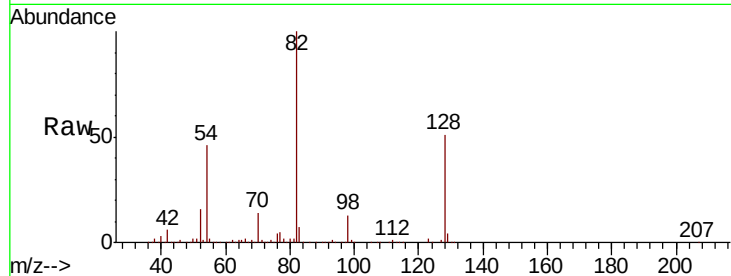




#23
 Nitrobenzene-d5
 Concen: 77.792 ng
 RT: 7.22 min Scan# 872
 Delta R.T. -0.00 min
 Lab File: BF114995.D
 Acq: 13 Jun 2019 11:38

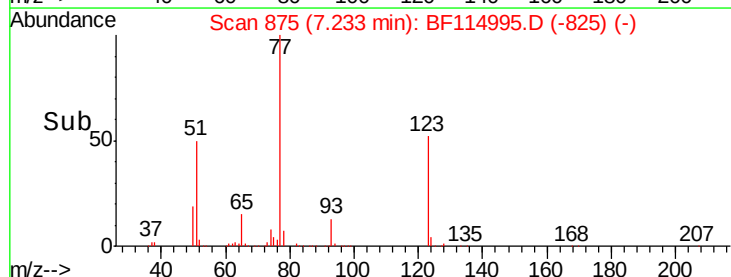
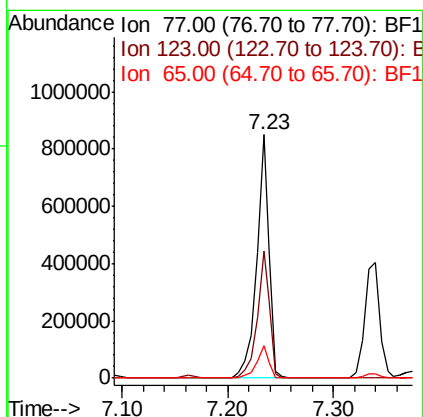
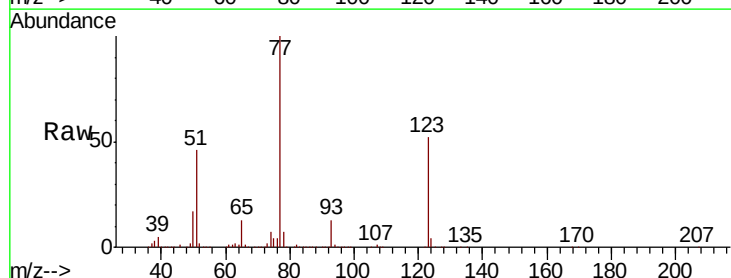
Instrument :
 BNA_F
 ClientSampleId :
 200030-200034MS

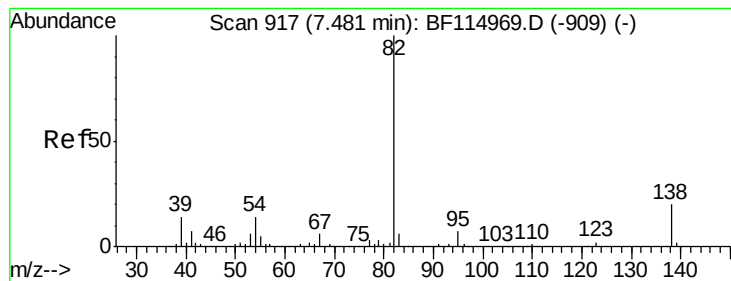
Tot Ion: 82 Resp: 1511670
 Ion Ratio Lower Upper
 82 100
 128 50.7 39.9 59.9
 54 46.3 37.3 55.9



#24
 Nitrobenzene
 Concen: 35.697 ng
 RT: 7.23 min Scan# 875
 Delta R.T. -0.01 min
 Lab File: BF114995.D
 Acq: 13 Jun 2019 11:38

Tgt Ion: 77 Resp: 705768
 Ion Ratio Lower Upper
 77 100
 123 52.2 45.5 68.3
 65 13.2 10.3 15.5





#25

Isophorone

Concen: 35.748 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

Instrument :

BNA_F

ClientSampleId :

200030-200034MS

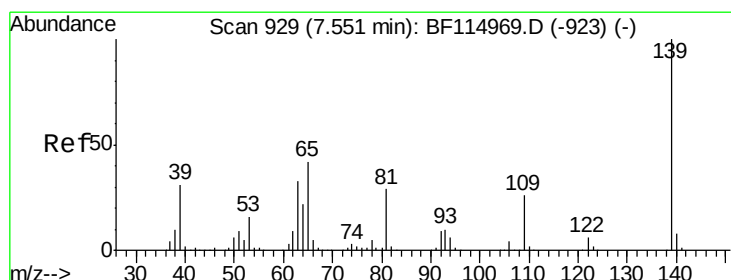
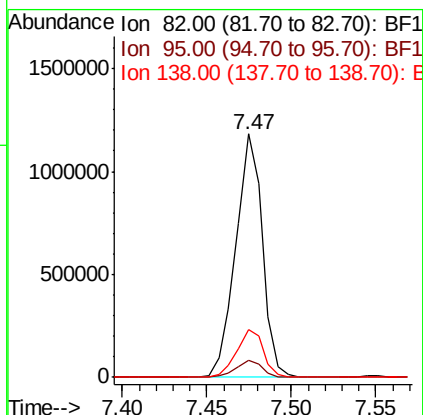
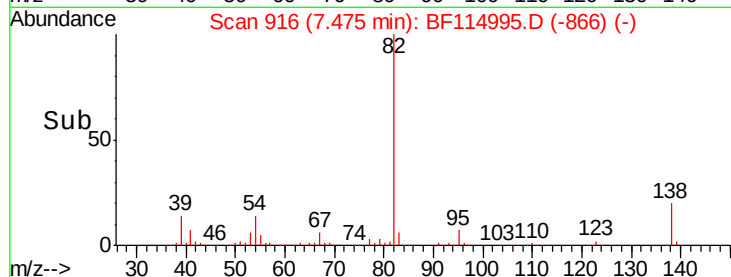
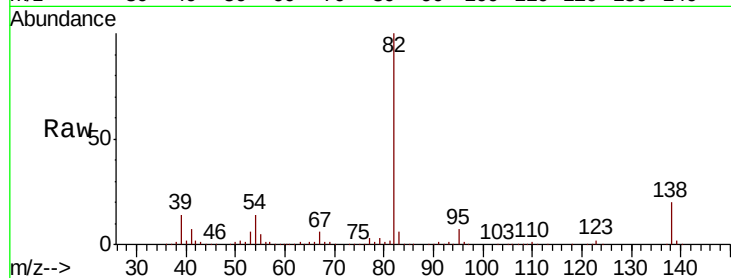
Tot Ion: 82 Resp: 1301060

Ion Ratio Lower Upper

82 100

95 6.9 5.6 8.4

138 19.7 16.1 24.1



#26

2-Nitrophenol

Concen: 35.904 ng

RT: 7.55 min Scan# 929

Delta R.T. -0.00 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

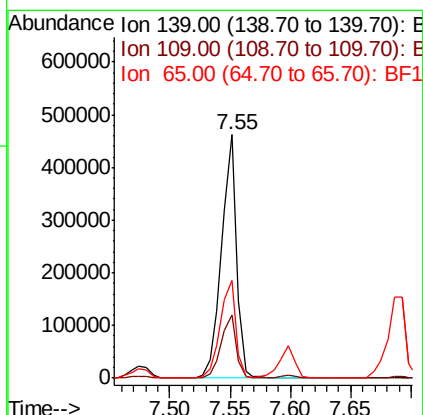
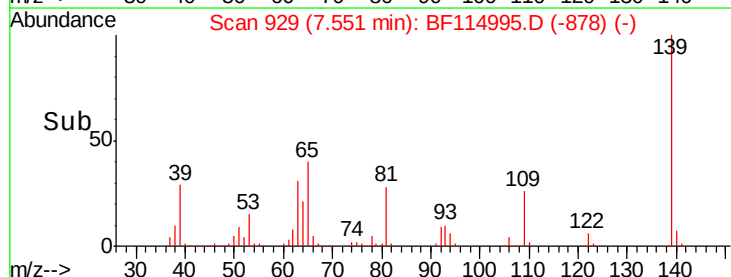
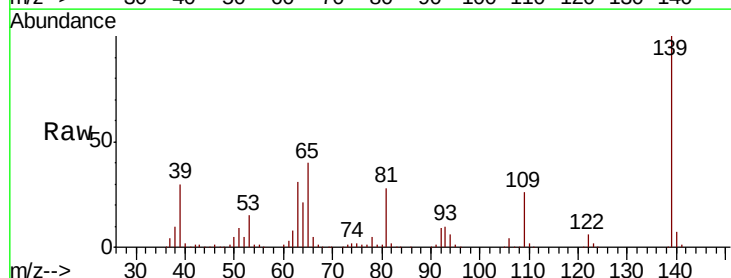
Tgt Ion: 139 Resp: 395671

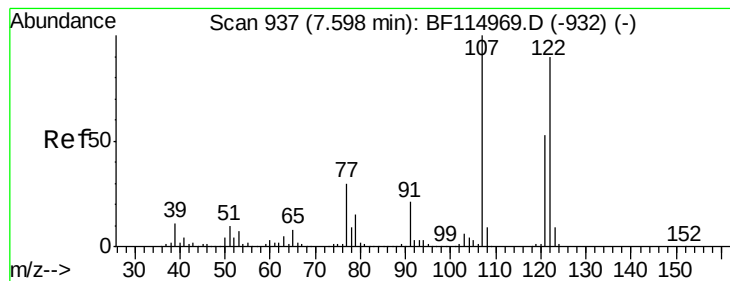
Ion Ratio Lower Upper

139 100

109 25.9 20.8 31.2

65 39.9 33.4 50.2





#27

2,4-Dimethylphenol

Concen: 39.082 ng

RT: 7.60 min Scan# 937

Delta R.T. -0.00 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

Instrument :

BNA_F

ClientSampleId :

200030-200034MS

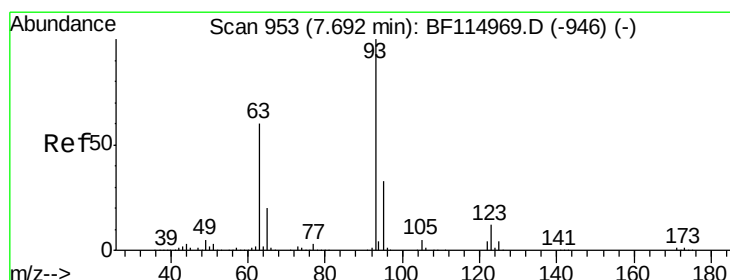
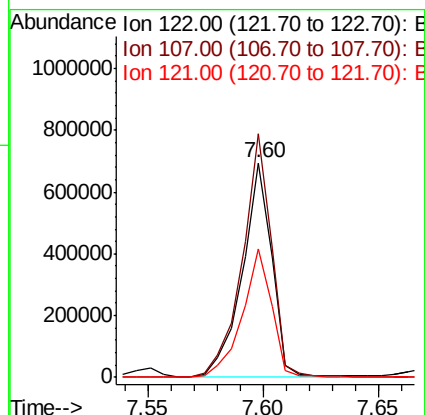
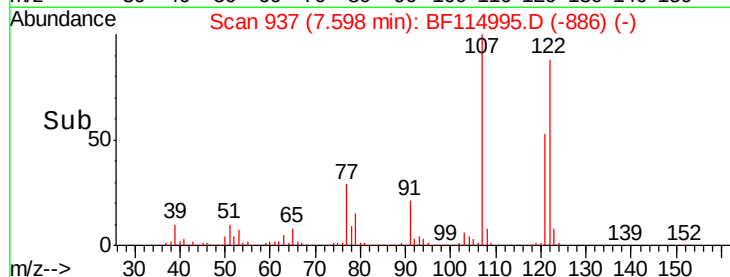
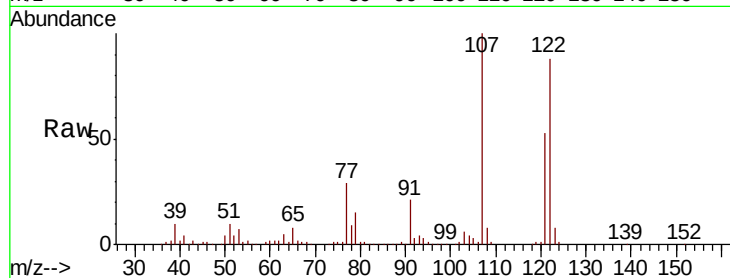
Tot Ion:122 Resp: 621314

Ion Ratio Lower Upper

122 100

107 113.7 88.8 133.2

121 60.0 47.4 71.0



#28

bis(2-Chloroethoxy)methane

Concen: 35.150 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.00 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

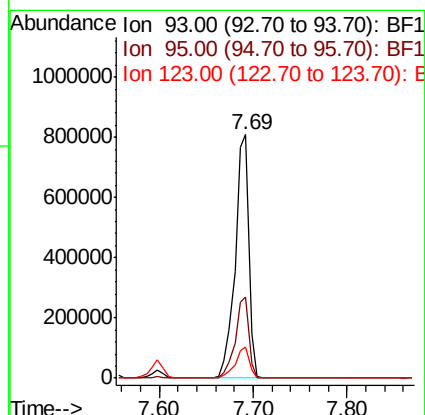
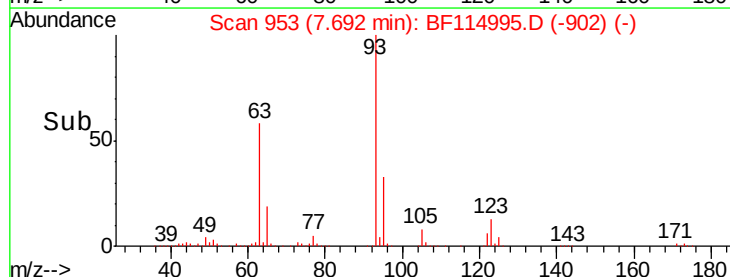
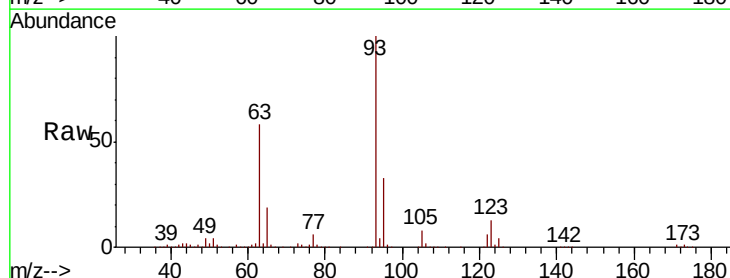
Tgt Ion: 93 Resp: 820783

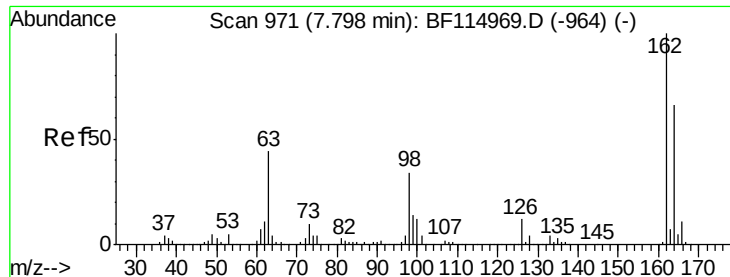
Ion Ratio Lower Upper

93 100

95 33.3 26.6 40.0

123 12.8 9.9 14.9

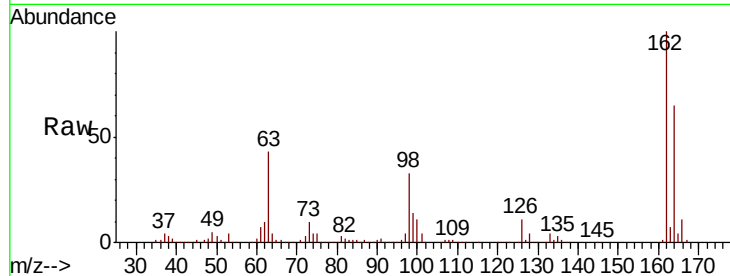




#29
2,4-Dichlorophenol
Concen: 36.050 ng
RT: 7.80 min Scan# 971
Delta R.T. -0.00 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Instrument :
BNA_F
ClientSampleId :
200030-200034MS

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.8	45.7	85.7
98	32.8	14.0	54.0

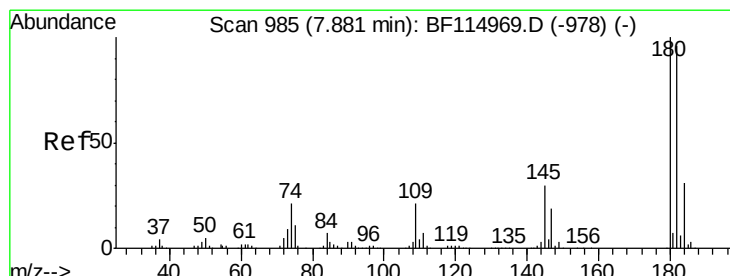
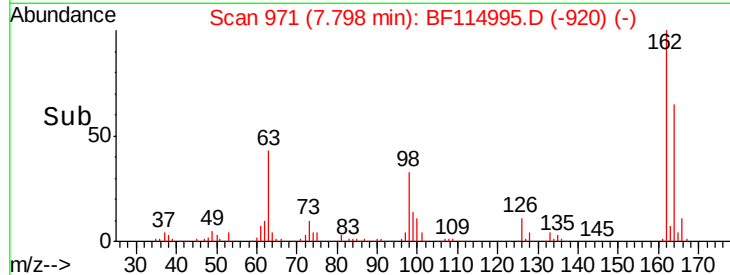
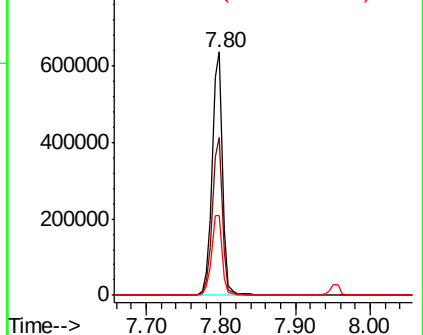


Abundance

Ion 162.00 (161.70 to 162.70): E

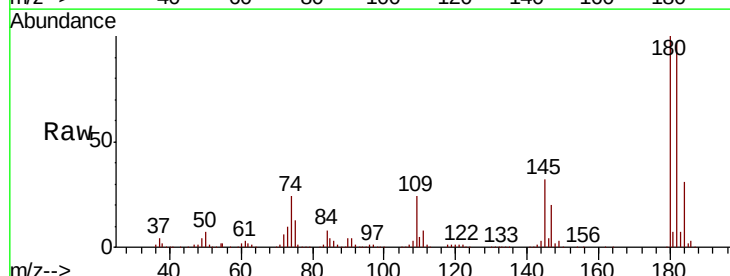
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 34.287 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.7	115.1
145	31.5	24.1	36.1

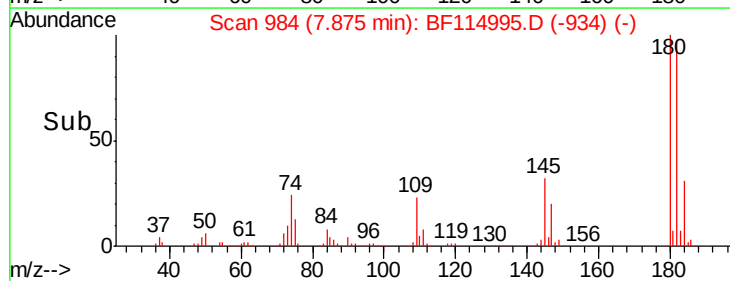
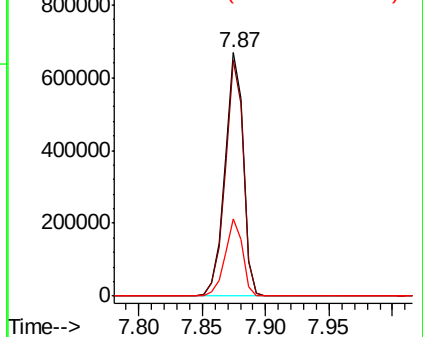


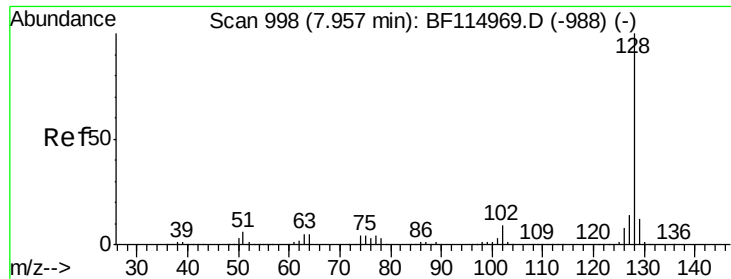
Abundance

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: 35.575 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.01 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

Instrument :

BNA_F

ClientSampleId :

200030-200034MS

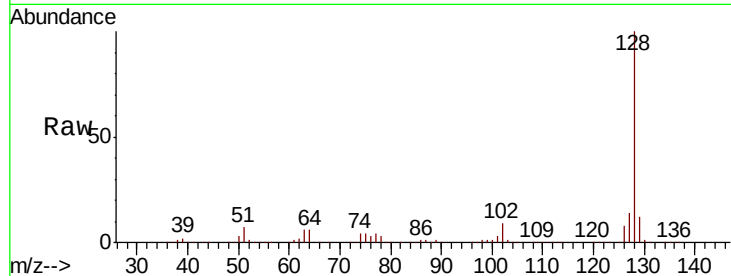
Tot Ion:128 Resp: 1968810

Ion Ratio Lower Upper

128 100

129 11.9 9.5 14.3

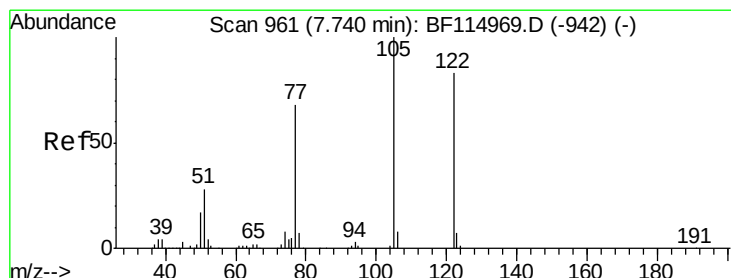
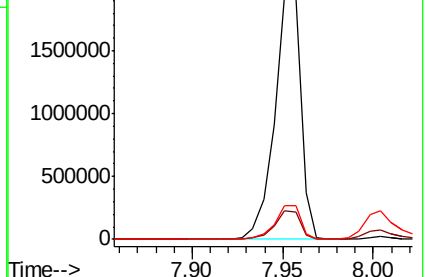
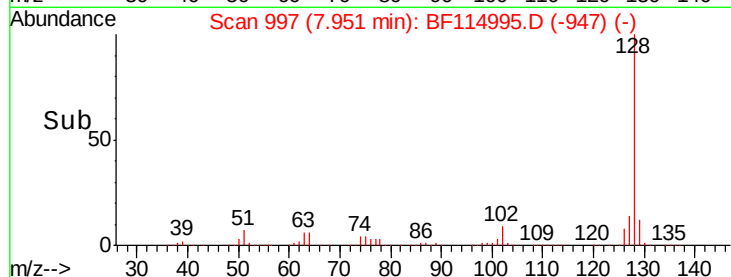
127 14.1 11.5 17.3



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: 11.207 ng

RT: 7.70 min Scan# 954

Delta R.T. -0.04 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

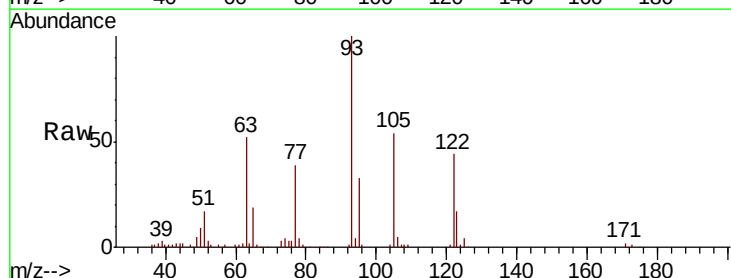
Tgt Ion:122 Resp: 128915

Ion Ratio Lower Upper

122 100

105 122.2 98.6 138.6

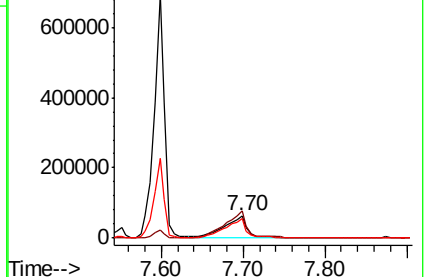
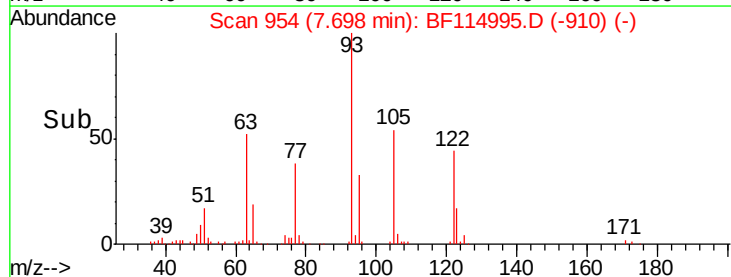
77 87.3 60.9 100.9

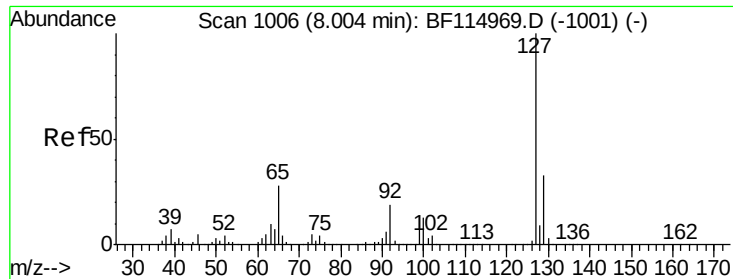


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

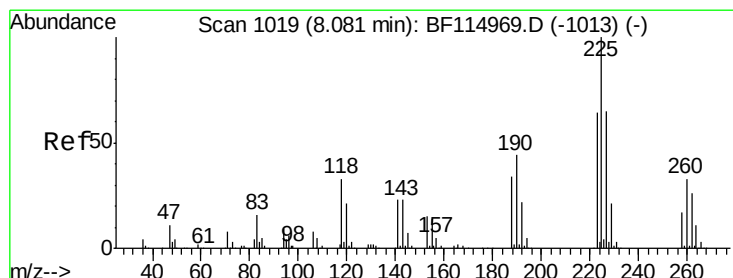
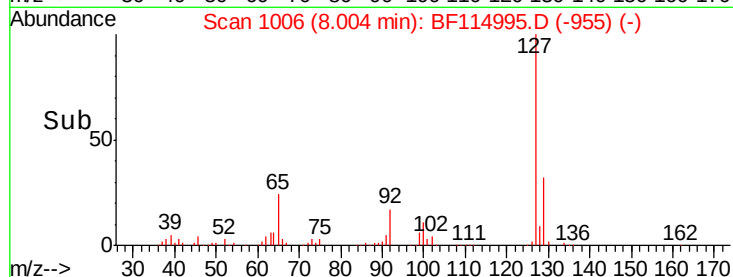
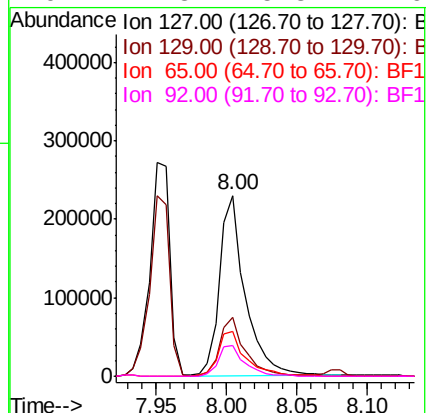
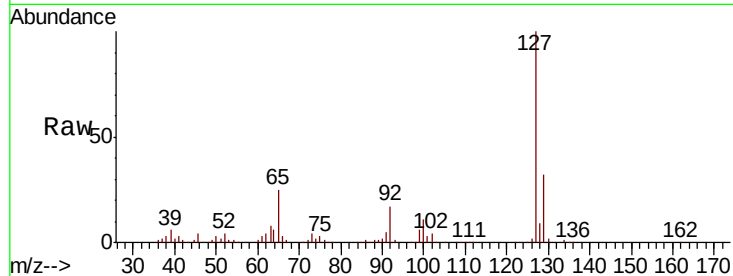




#33
4-Chloroaniline
Concen: 11.406 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

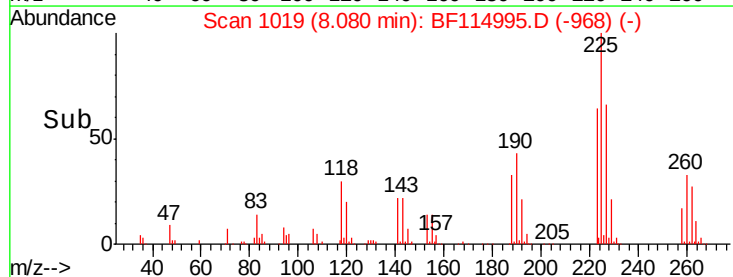
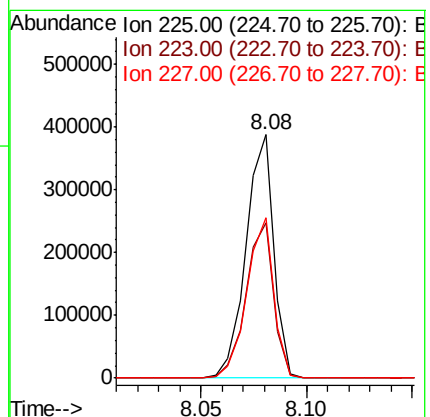
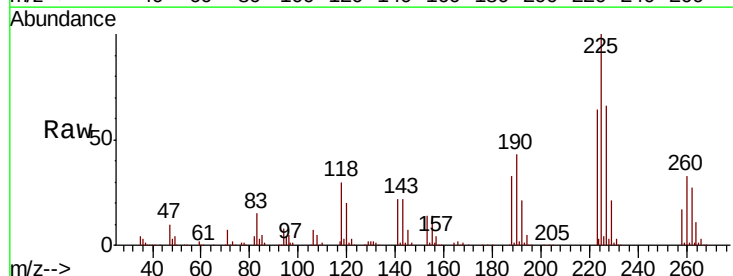
Instrument :
BNA_F
ClientSampleId :
200030-200034MS

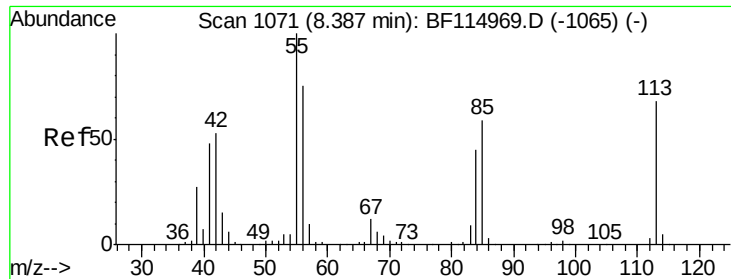
Tot Ion:	127	Resp:	291371
Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	24.5	22.3	33.5
92	17.3	15.3	22.9



#34
Hexachlorobutadiene
Concen: 32.679 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Tgt Ion:	225	Resp:	352494
Ion	Ratio	Lower	Upper
225	100		
223	63.9	51.0	76.6
227	66.0	51.7	77.5

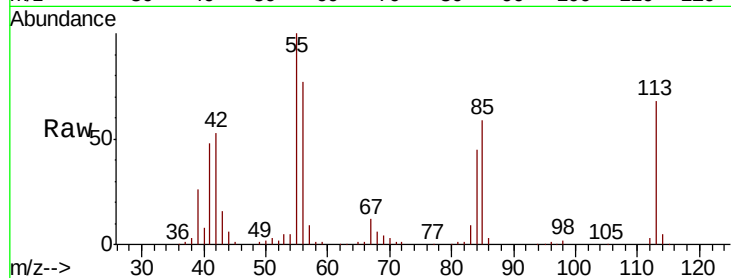




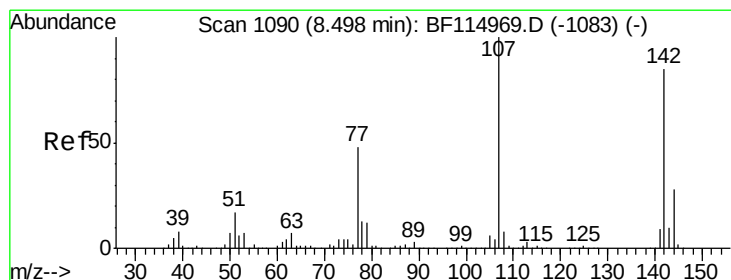
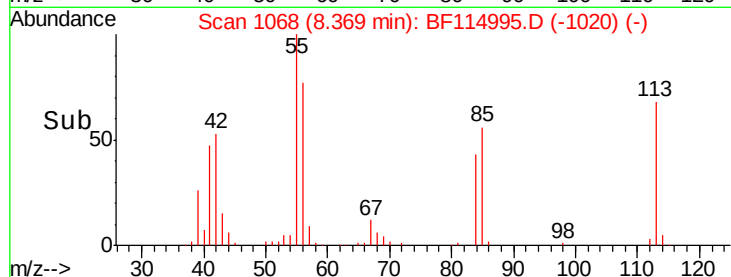
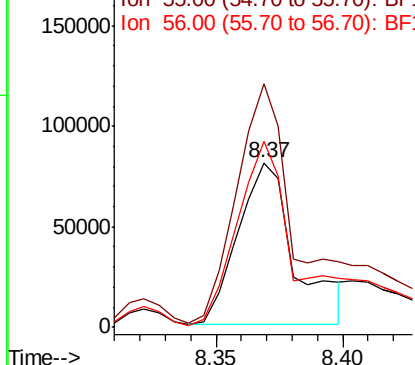
#35
Caprolactam
Concen: 22.626 ng
RT: 8.37 min Scan# 1068
Delta R.T. -0.02 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Instrument :
BNA_F
ClientSampleId :
200030-200034MS

Tot Ion:113 Resp: 126563
Ion Ratio Lower Upper
113 100
55 148.1 127.3 167.3
56 113.4 90.6 130.6

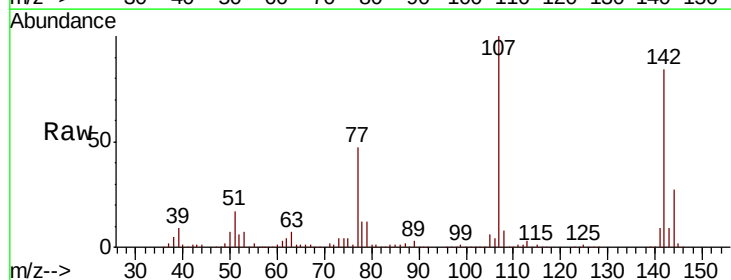


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

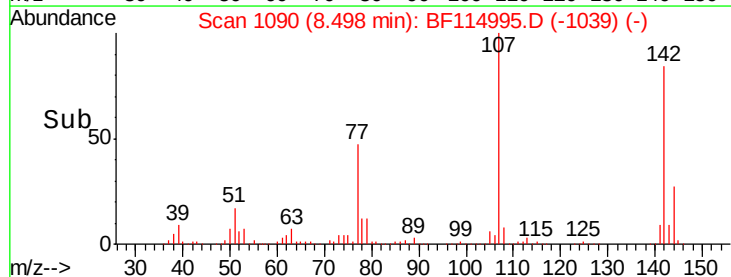
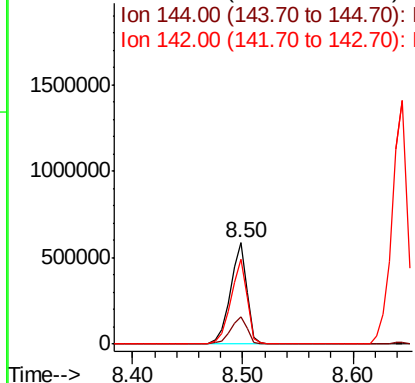


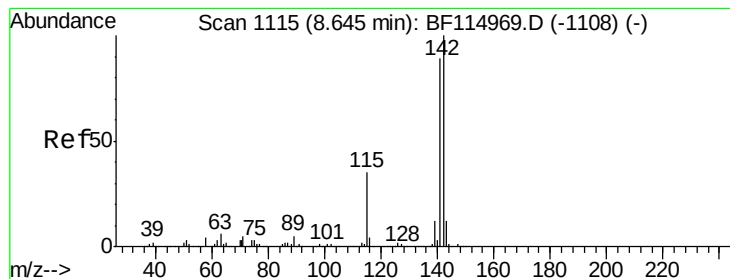
#36
4-Chloro-3-methylphenol
Concen: 36.410 ng
RT: 8.50 min Scan# 1090
Delta R.T. -0.00 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Tgt Ion:107 Resp: 616222
Ion Ratio Lower Upper
107 100
144 27.2 22.0 33.0
142 83.7 68.2 102.4



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 35.516 ng

RT: 8.65 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

Instrument :

BNA_F

ClientSampleId :

200030-200034MS

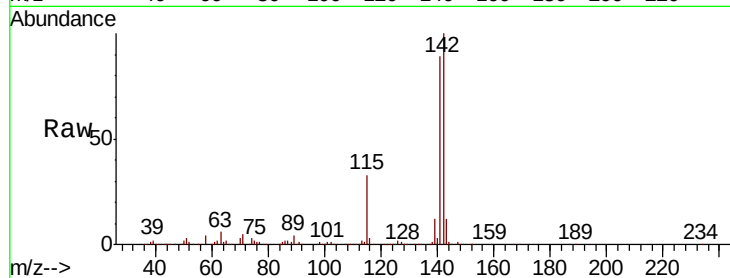
Tot Ion:142 Resp: 1310944

Ion Ratio Lower Upper

142 100

141 89.0 71.0 106.6

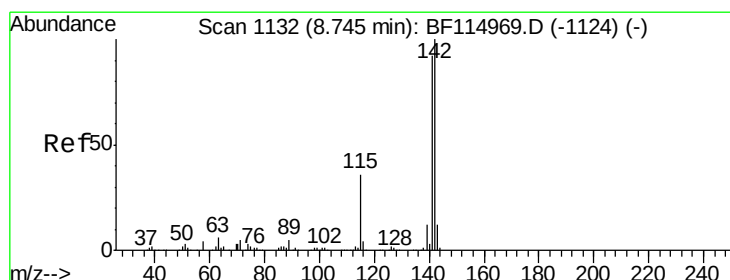
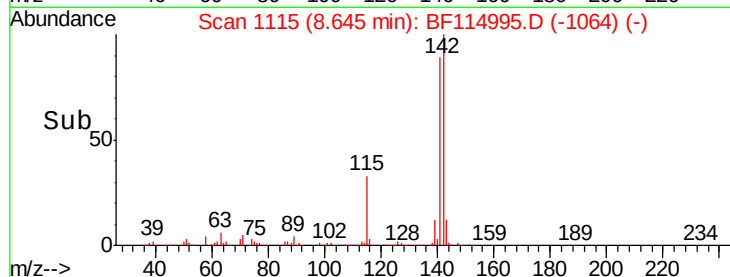
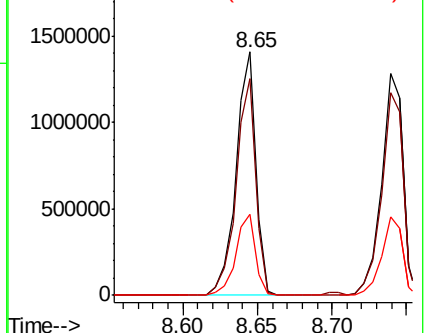
115 33.1 27.9 41.9



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: 35.796 ng

RT: 8.74 min Scan# 1131

Delta R.T. -0.01 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

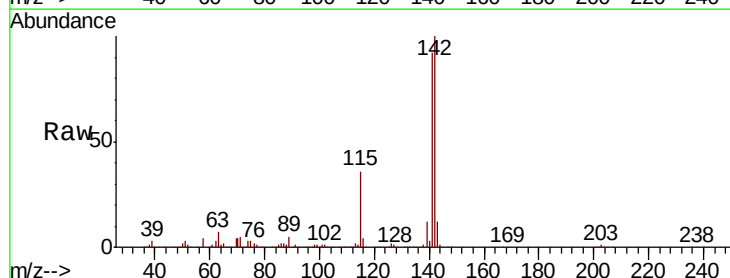
Tgt Ion:142 Resp: 1248796

Ion Ratio Lower Upper

142 100

141 91.6 73.8 110.8

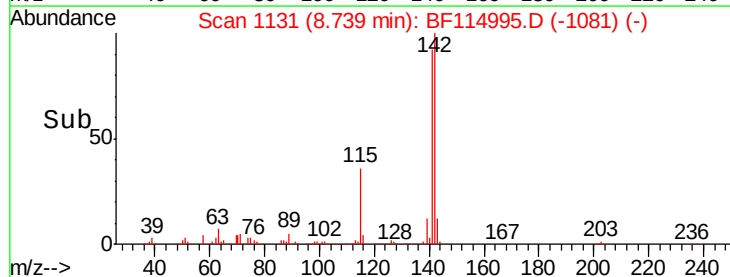
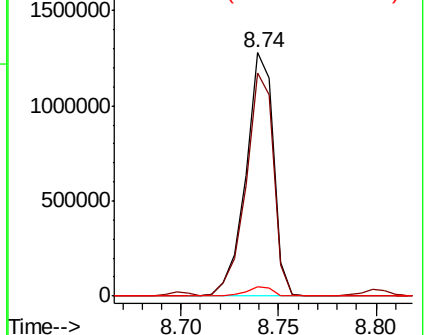
116 3.7 2.9 4.3

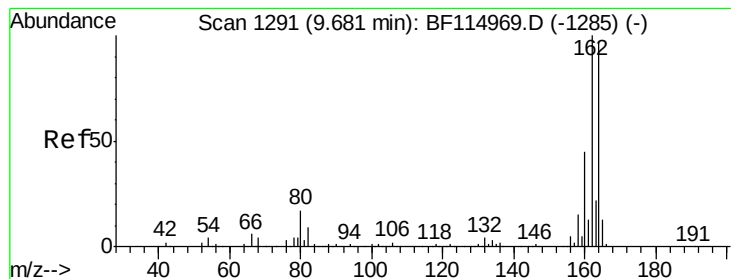


Abundance Ion 142.00 (141.70 to 142.70): E

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: BF114995.D

Acq: 13 Jun 2019 11:38

Instrument :

BNA_F

ClientSampleId :

200030-200034MS

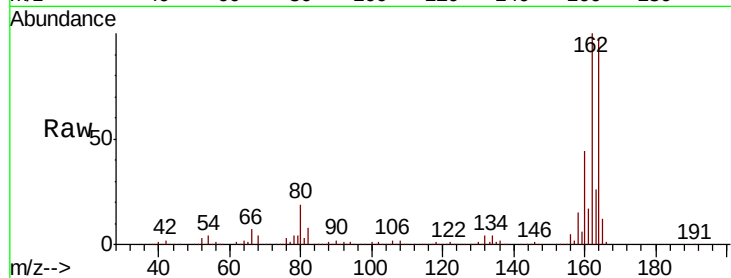
Tot Ion:164 Resp: 535366

Ion Ratio Lower Upper

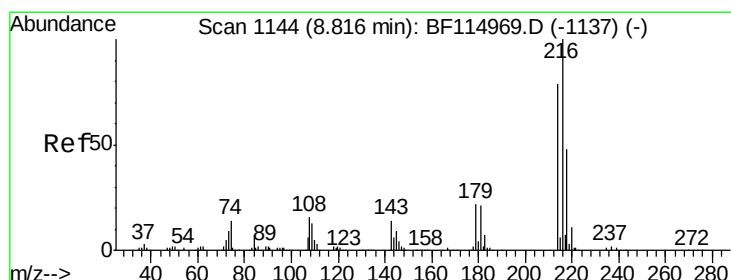
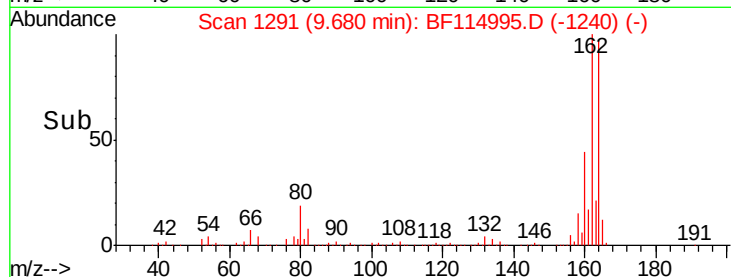
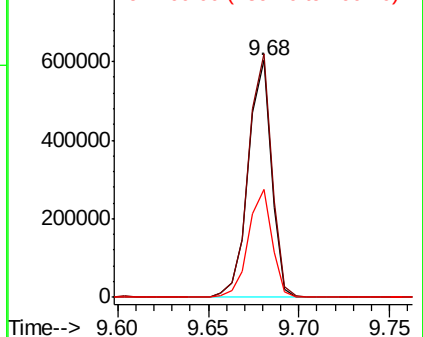
164 100

162 102.8 82.6 124.0

160 45.6 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: 37.095 ng

RT: 8.81 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

Tgt Ion:216 Resp: 586717

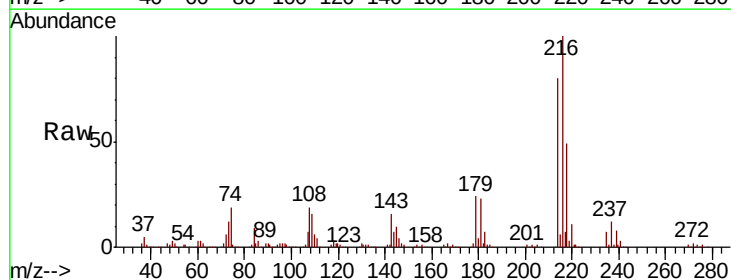
Ion Ratio Lower Upper

216 100

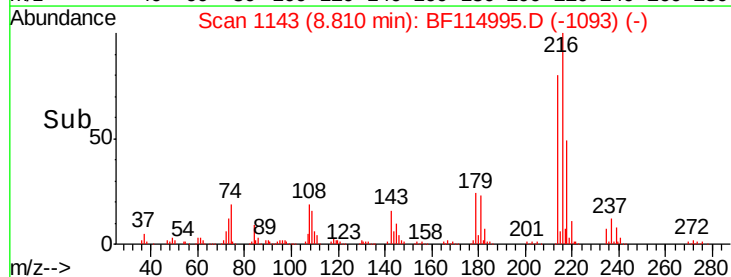
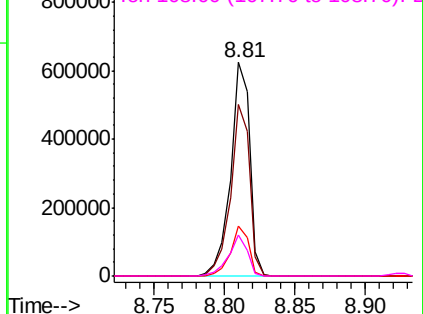
214 79.9 63.7 95.5

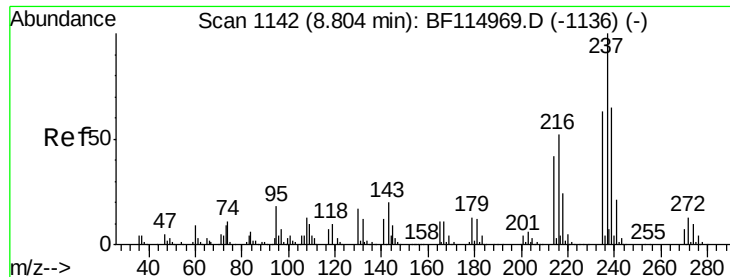
179 22.7 18.2 27.4

108 18.9 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

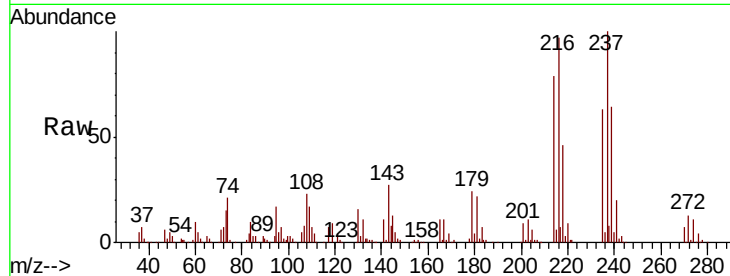




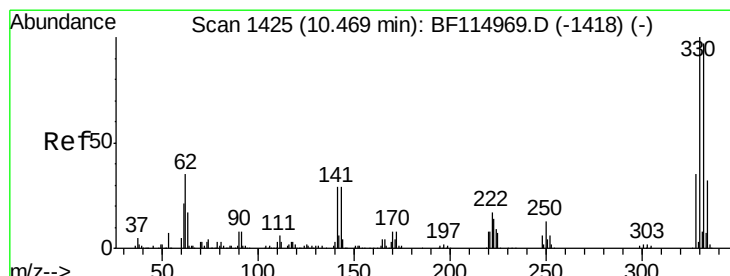
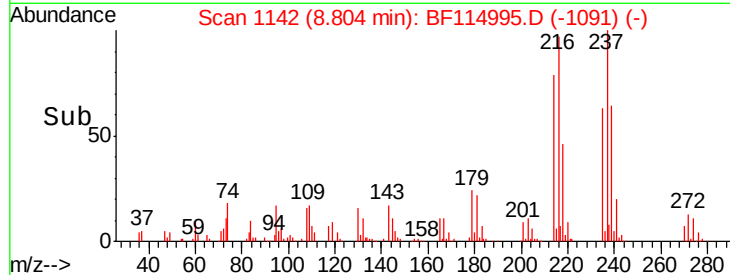
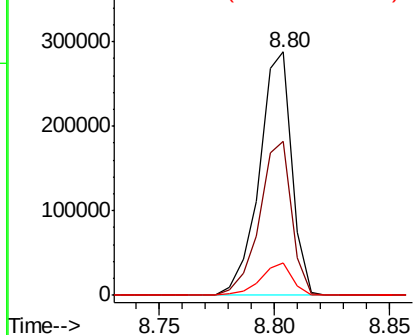
#41
Hexachlorocyclopentadiene
Concen: 36.205 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Instrument :
BNA_F
ClientSampleId :
200030-200034MS

Tot Ion	Ratio	Lower	Upper
237	100		
235	63.0	42.7	82.7
272	13.2	0.0	32.7

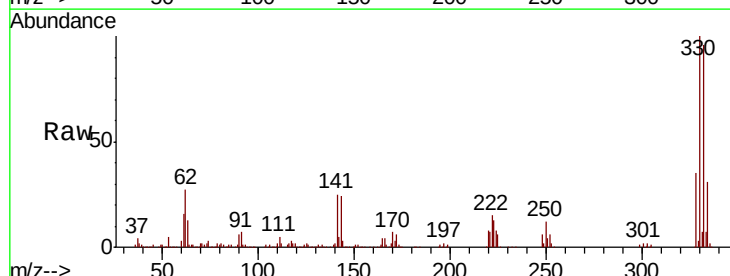


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

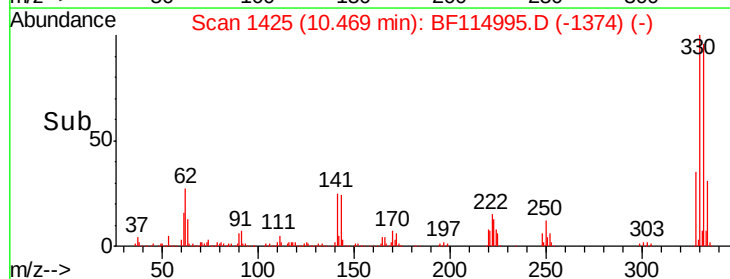
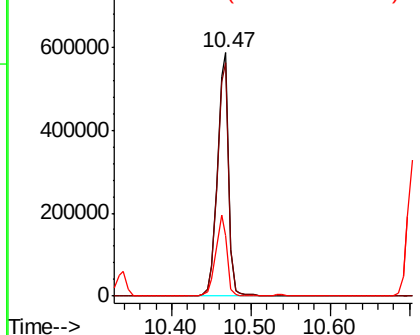


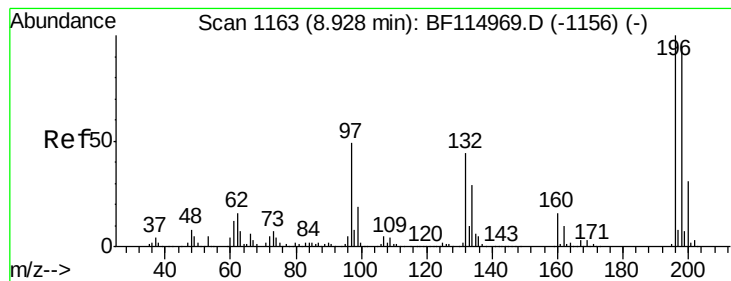
#42
2,4,6-Tribromophenol
Concen: 100.761 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.00 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.6	116.4
141	33.3	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: 36.087 ng

RT: 8.93 min Scan# 1163

Delta R.T. -0.00 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

Instrument :

BNA_F

ClientSampleId :

200030-200034MS

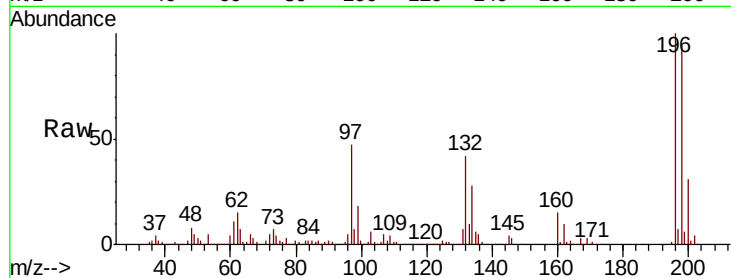
Tot Ion:196 Resp: 426323

Ion Ratio Lower Upper

196 100

198 94.2 75.8 113.8

200 31.0 24.9 37.3

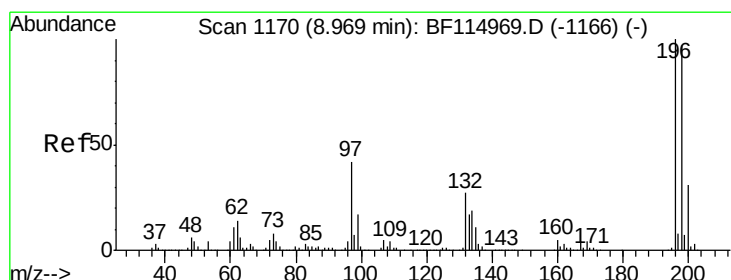
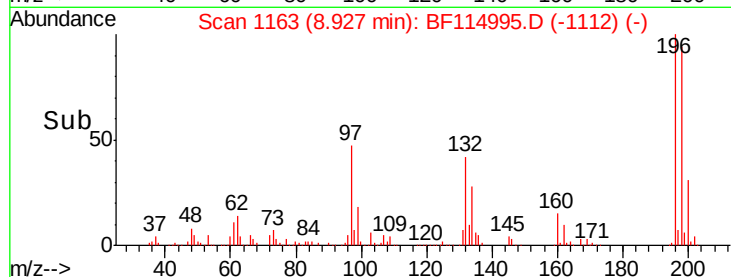
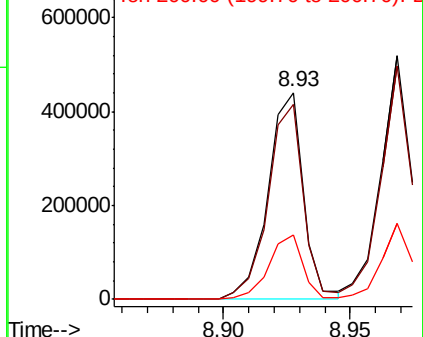


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 36.779 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.00 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

Tgt Ion:196 Resp: 439101

Ion Ratio Lower Upper

196 100

198 95.7 77.3 115.9

97 44.8 34.2 51.4

132 28.8 22.1 33.1

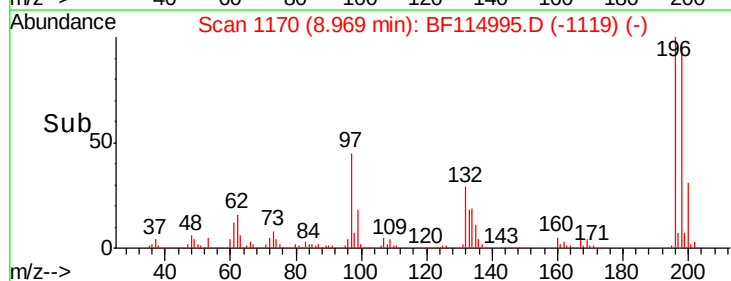
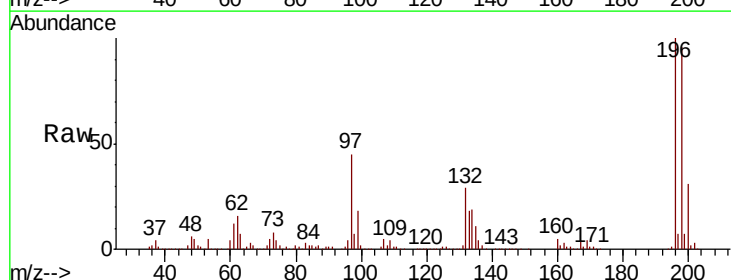
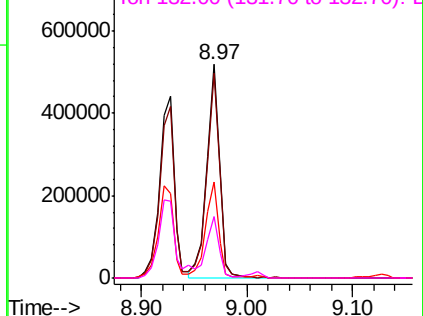
Abundance

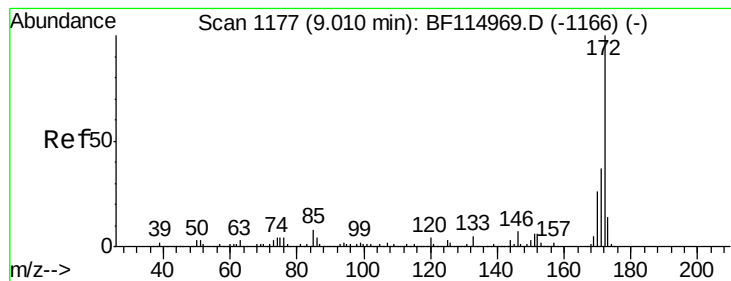
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

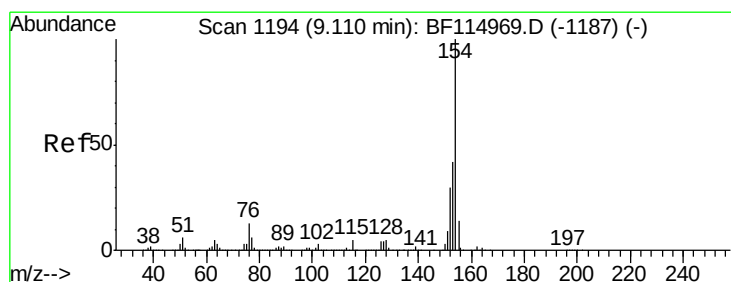
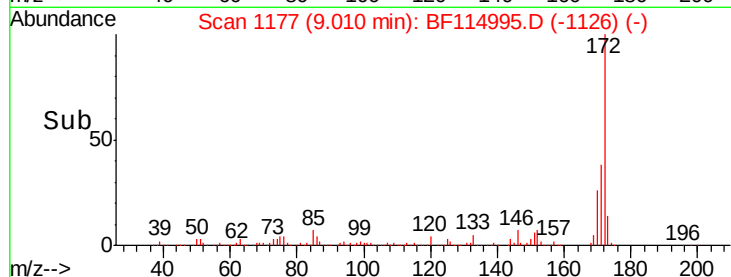
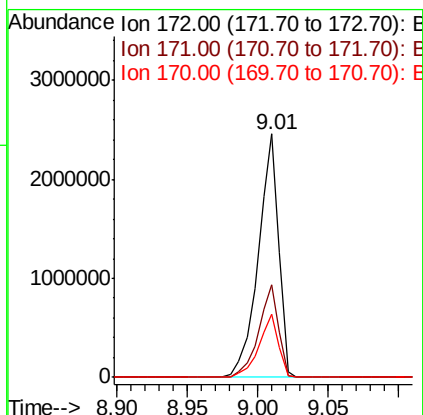
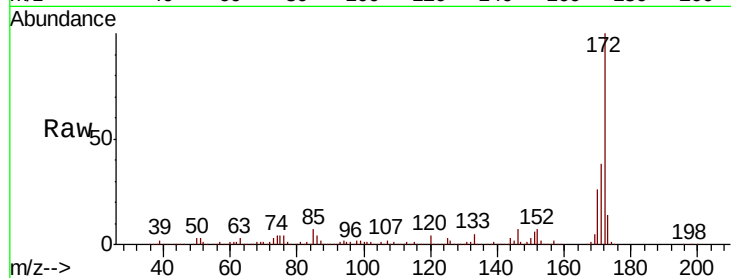




#45
 2-Fluorobiphenyl
 Concen: 79.430 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: BF114995.D
 Acq: 13 Jun 2019 11:38

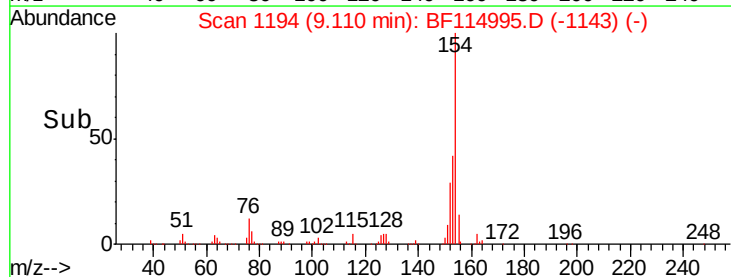
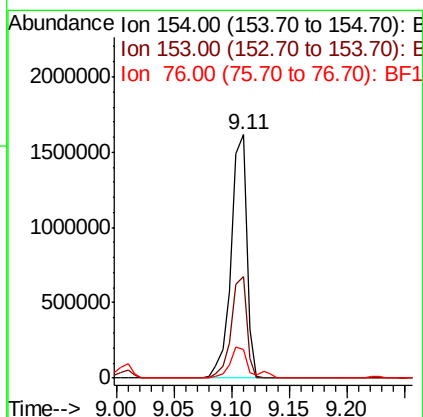
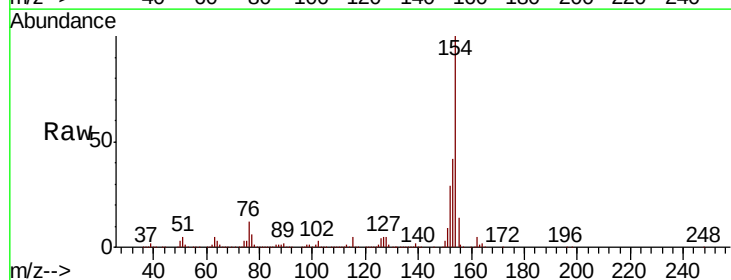
Instrument :
 BNA_F
 ClientSampleId :
 200030-200034MS

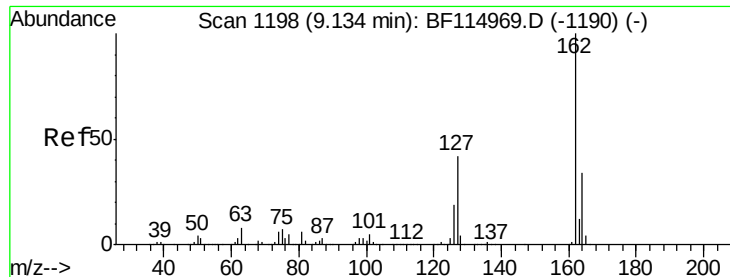
Tot Ion:172 Resp: 2509039
 Ion Ratio Lower Upper
 172 100
 171 38.1 29.8 44.6
 170 26.0 20.6 31.0



#46
 1,1'-Biphenyl
 Concen: 35.507 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: BF114995.D
 Acq: 13 Jun 2019 11:38

Tgt Ion:154 Resp: 1523317
 Ion Ratio Lower Upper
 154 100
 153 41.6 22.4 62.4
 76 11.8 0.0 33.3





#47

2-Chloronaphthalene

Concen: 35.187 ng

RT: 9.13 min Scan# 1197

Delta R.T. -0.01 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

Instrument :

BNA_F

ClientSampleId :

200030-200034MS

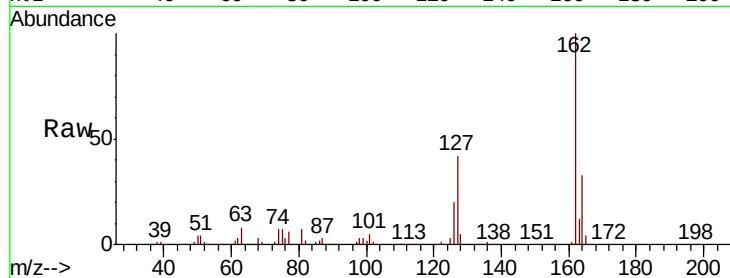
Tot Ion:162 Resp: 1220713

Ion Ratio Lower Upper

162 100

127 41.7 33.4 50.2

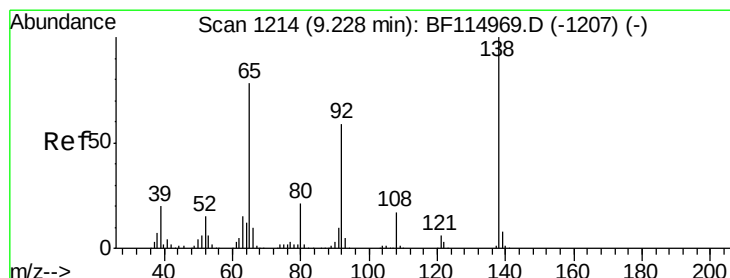
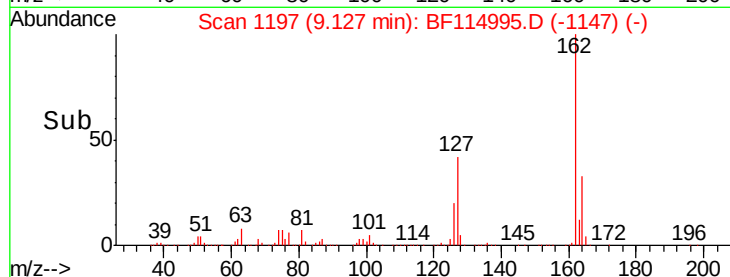
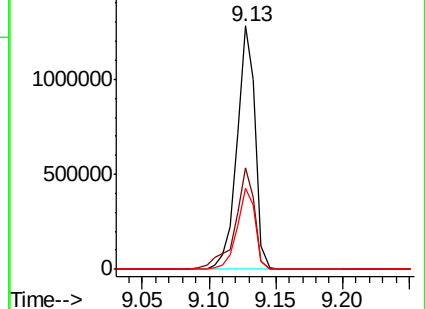
164 33.5 27.2 40.8



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: 34.013 ng

RT: 9.22 min Scan# 1213

Delta R.T. -0.01 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

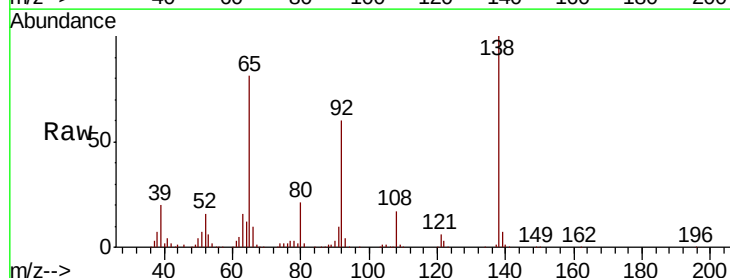
Tgt Ion: 65 Resp: 348766

Ion Ratio Lower Upper

65 100

92 74.1 60.5 90.7

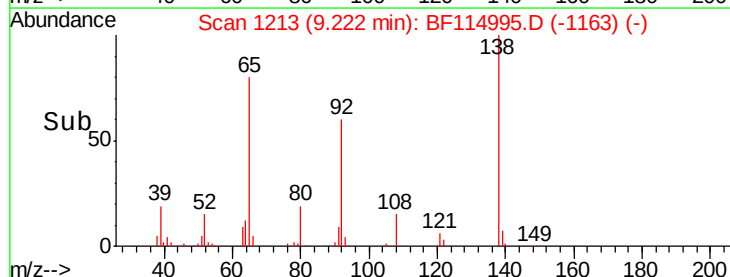
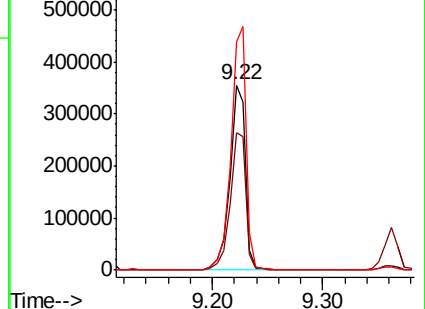
138 123.4 102.0 153.0

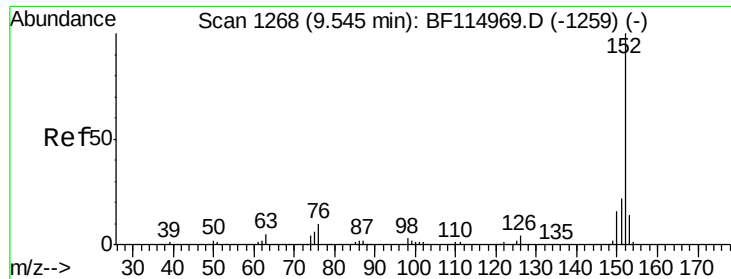


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 34.784 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

Instrument :

BNA_F

ClientSampleId :

200030-200034MS

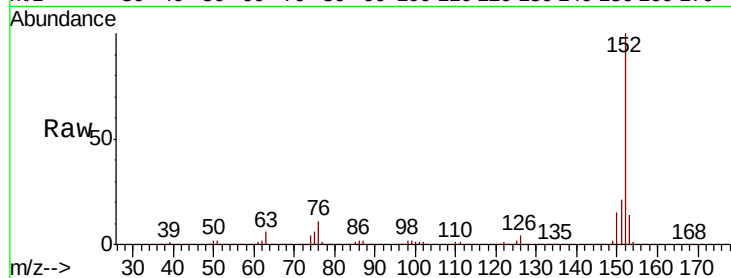
Tot Ion:152 Resp: 1855353

Ion Ratio Lower Upper

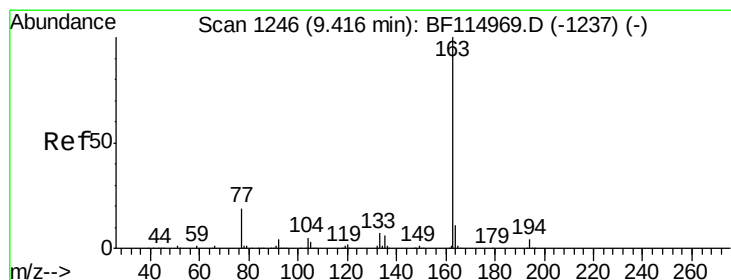
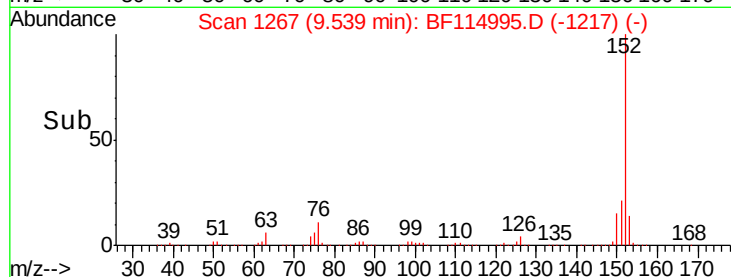
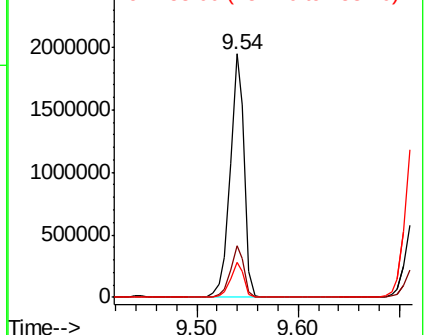
152 100

151 21.2 17.5 26.3

153 14.2 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: 43.150 ng

RT: 9.42 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

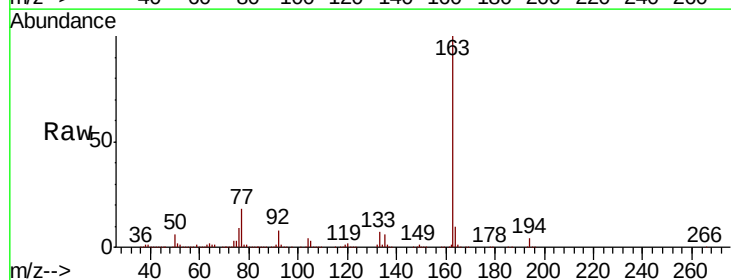
Tgt Ion:163 Resp: 1737296

Ion Ratio Lower Upper

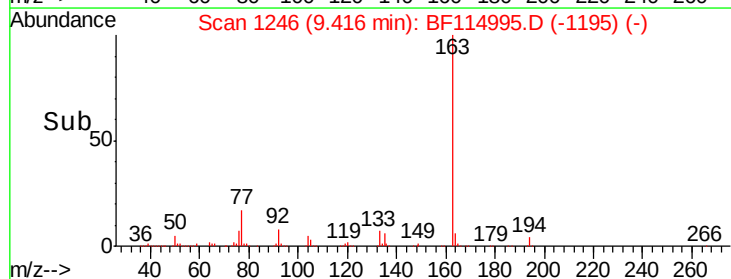
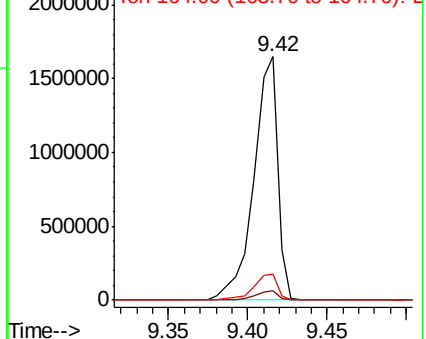
163 100

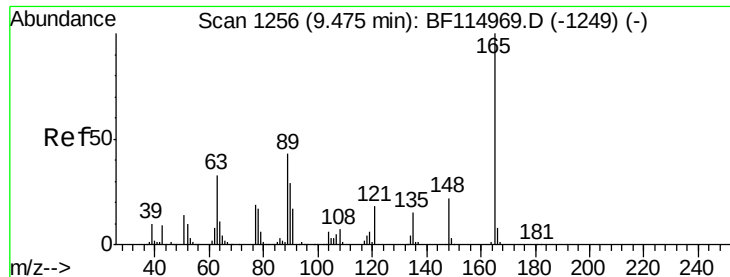
194 4.0 3.3 4.9

164 10.5 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

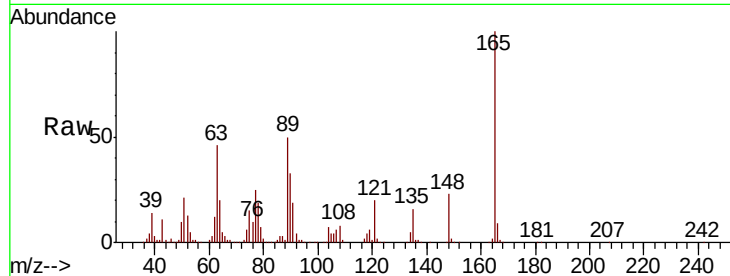




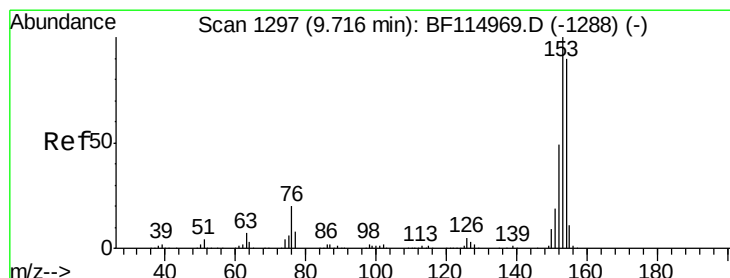
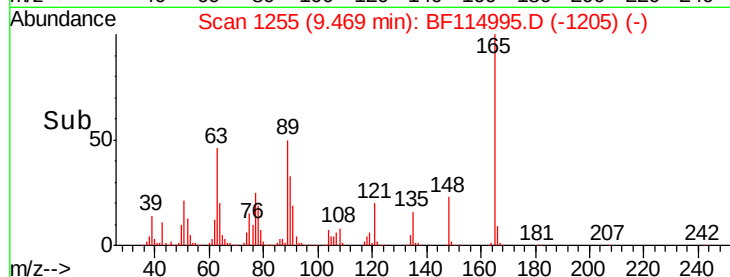
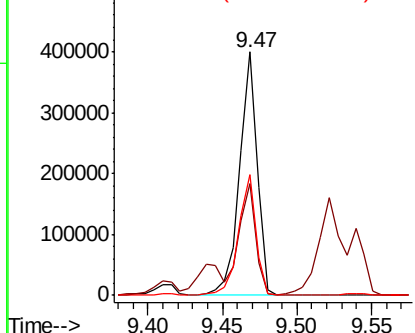
#51
 2,6-Dinitrotoluene
 Concen: 36.483 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: BF114995.D
 Acq: 13 Jun 2019 11:38

Instrument :
 BNA_F
 ClientSampleId :
 200030-200034MS

Tot Ion:165 Resp: 333195
 Ion Ratio Lower Upper
 165 100
 63 45.7 30.6 46.0
 89 49.8 34.4 51.6

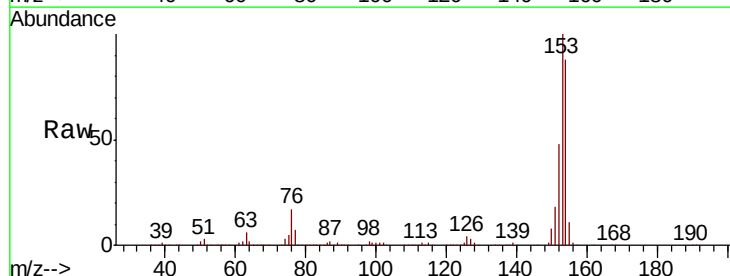


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

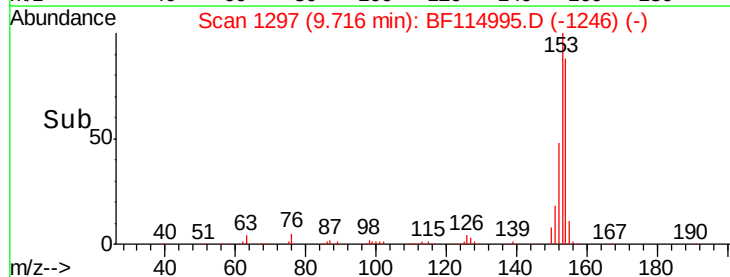
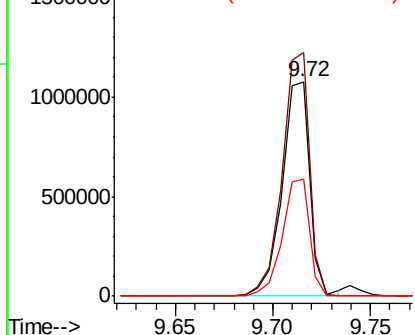


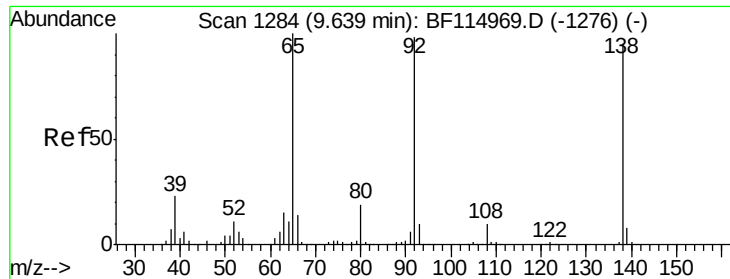
#52
 Acenaphthene
 Concen: 34.878 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: BF114995.D
 Acq: 13 Jun 2019 11:38

Tgt Ion:154 Resp: 1064372
 Ion Ratio Lower Upper
 154 100
 153 113.4 88.5 132.7
 152 54.2 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

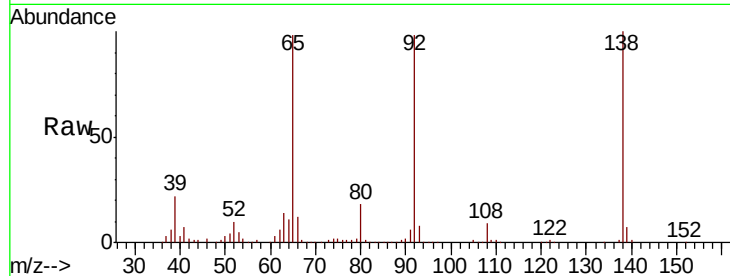




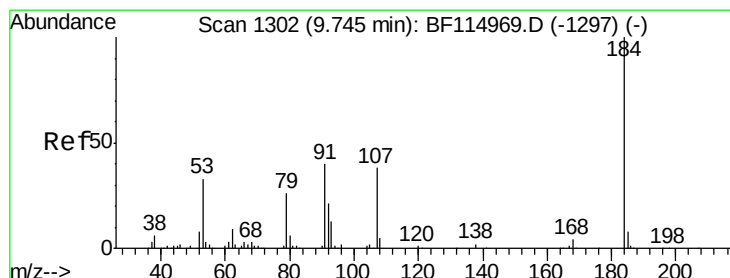
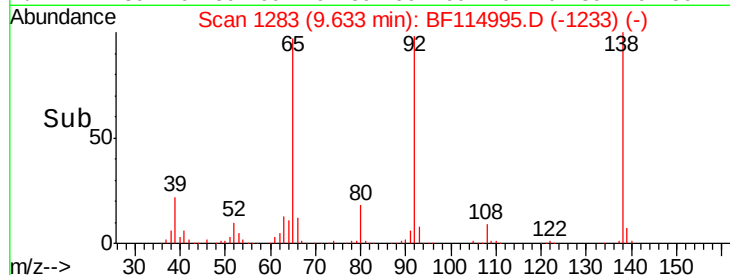
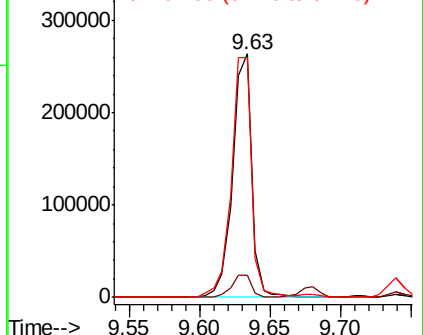
#53
 3-Nitroaniline
 Concen: 22.311 ng
 RT: 9.63 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: BF114995.D
 Acq: 13 Jun 2019 11:38

Instrument :
 BNA_F
 ClientSampleId :
 200030-200034MS

Tot Ion:138 Resp: 249656
 Ion Ratio Lower Upper
 138 100
 108 8.9 8.0 12.0
 92 98.3 82.4 123.6

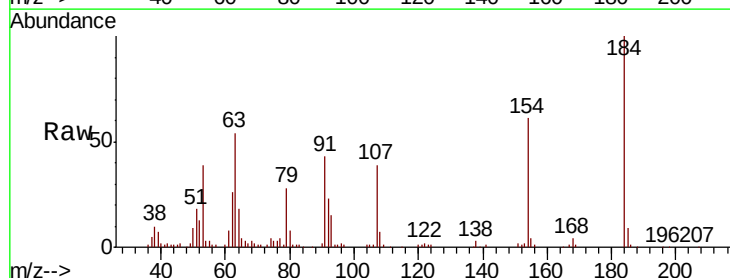


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF1

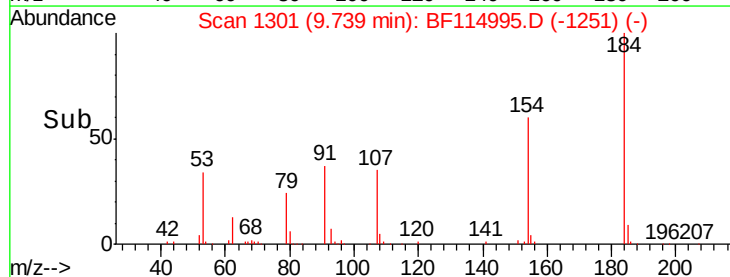
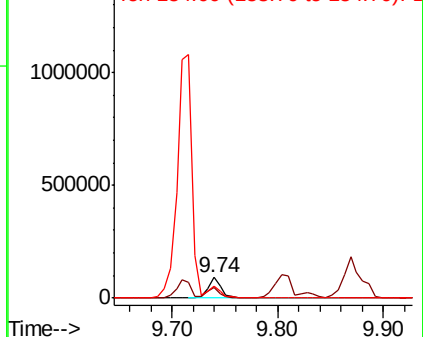


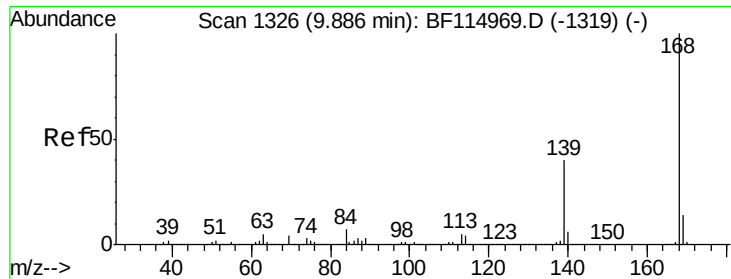
#54
 2,4-Dinitrophenol
 Concen: 18.655 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: BF114995.D
 Acq: 13 Jun 2019 11:38

Tgt Ion:184 Resp: 82639
 Ion Ratio Lower Upper
 184 100
 63 54.1 40.5 60.7
 154 60.7 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

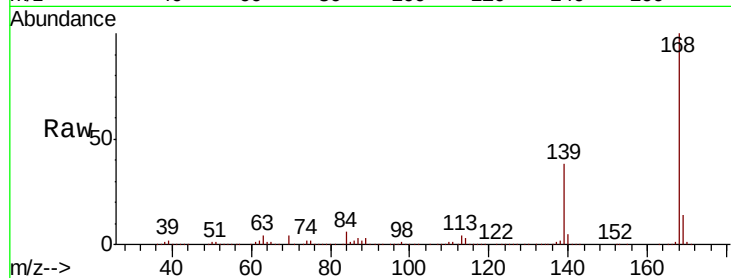




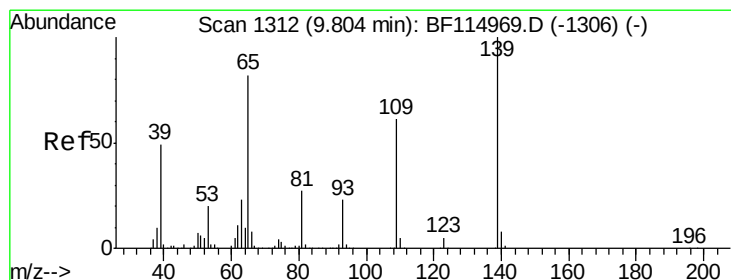
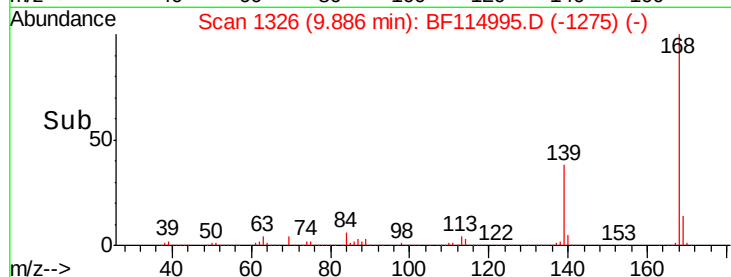
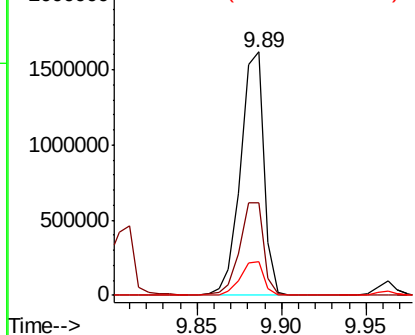
#55
Dibenzenofuran
Concen: 34.115 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Instrument :
BNA_F
ClientSampleId :
200030-200034MS

Tot Ion:168 Resp: 1569035
Ion Ratio Lower Upper
168 100
139 38.2 32.5 48.7
169 13.7 11.5 17.3

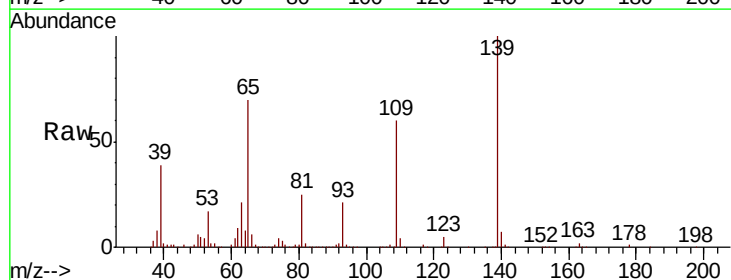


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

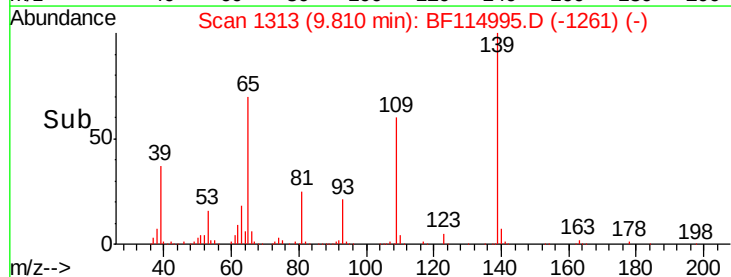
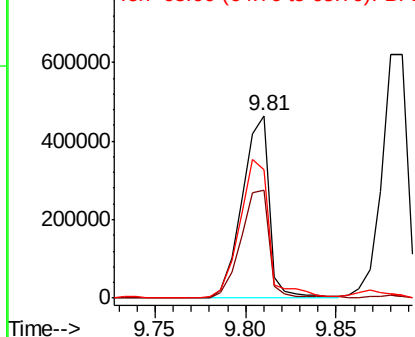


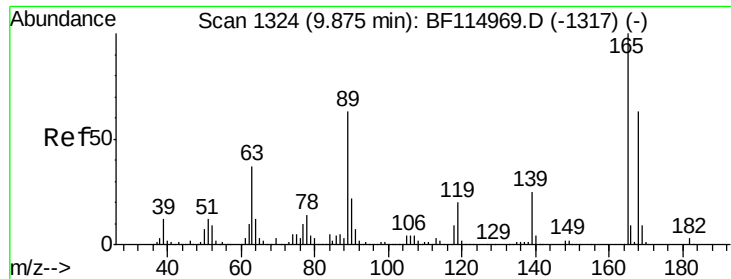
#56
4-Nitrophenol
Concen: 62.530 ng
RT: 9.81 min Scan# 1313
Delta R.T. 0.01 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Tgt Ion:139 Resp: 482504
Ion Ratio Lower Upper
139 100
109 59.6 41.4 81.4
65 70.1 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

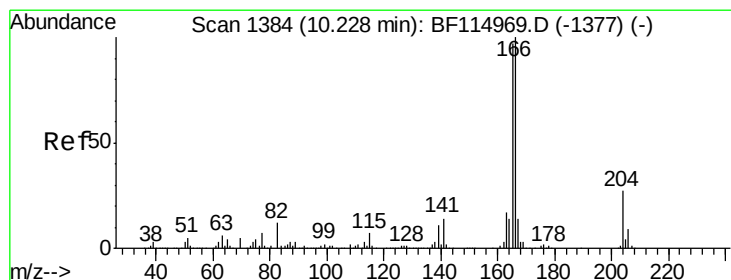
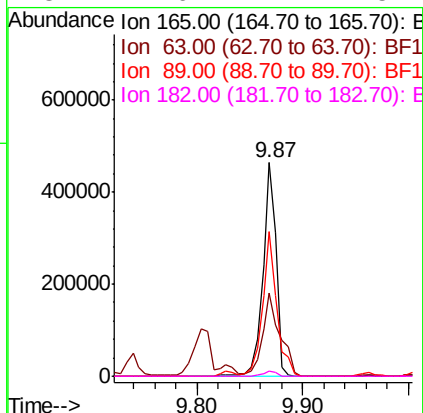
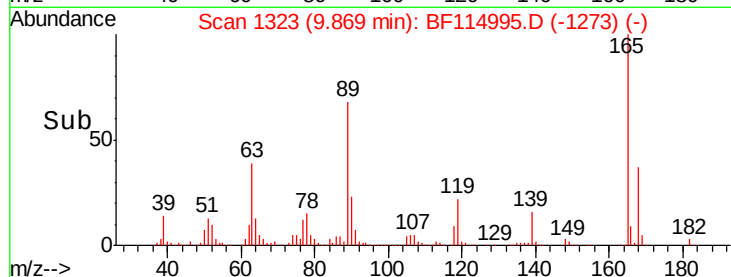
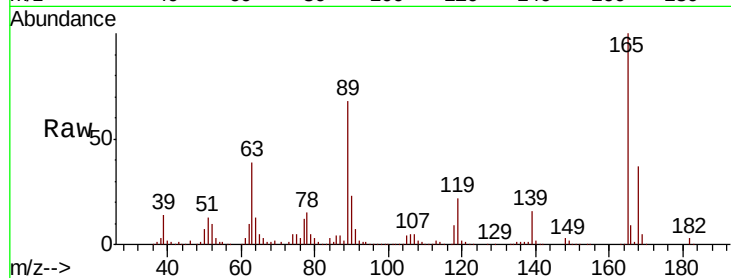




#57
 2,4-Dinitrotoluene
 Concen: 35.326 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: BF114995.D
 Acq: 13 Jun 2019 11:38

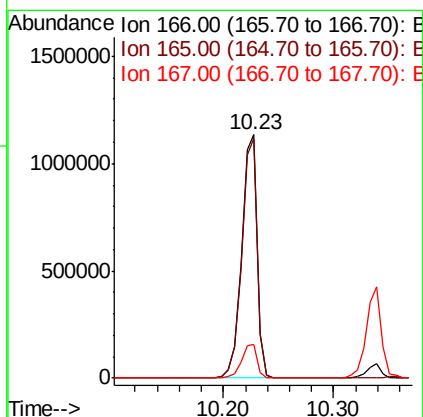
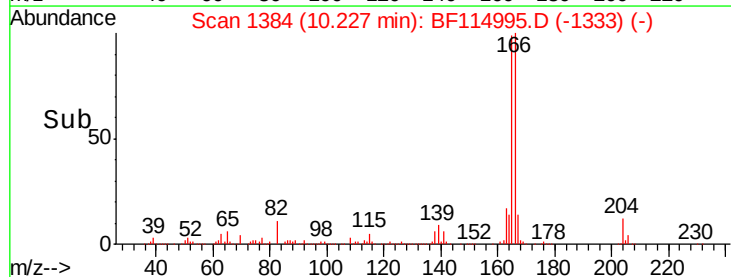
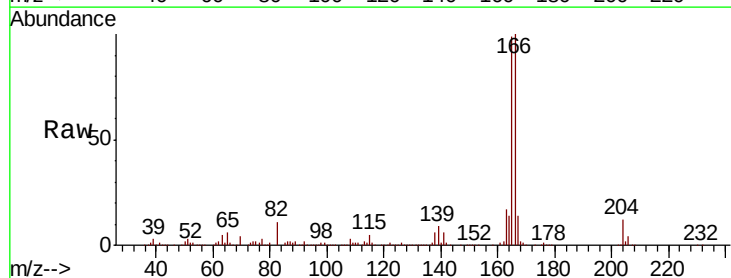
Instrument :
 BNA_F
 ClientSampleId :
 200030-200034MS

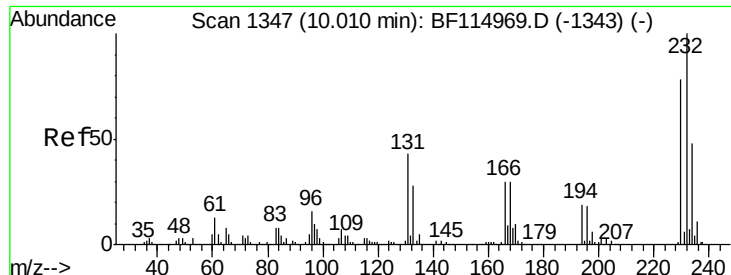
Tot Ion:165	Resp:	410633
Ion Ratio	Lower	Upper
165	100	
63	39.1	29.4 44.2
89	67.6	50.6 75.8
182	2.6	2.2 3.2



#58
 Fluorene
 Concen: 34.473 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. -0.00 min
 Lab File: BF114995.D
 Acq: 13 Jun 2019 11:38

Tgt Ion:166	Resp:	1114530
Ion Ratio	Lower	Upper
166	100	
165	98.7	77.6 116.4
167	13.8	11.0 16.4

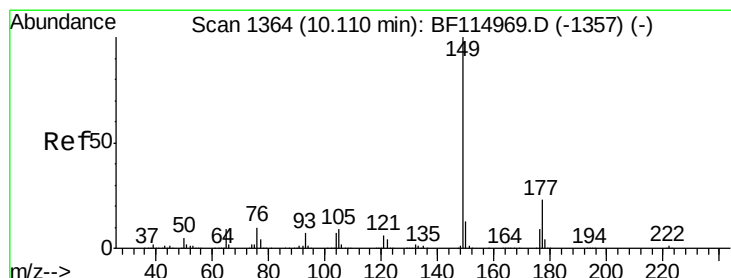
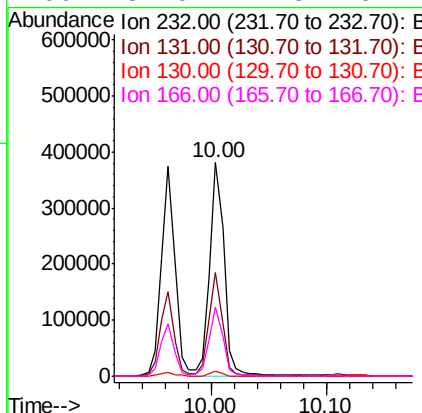
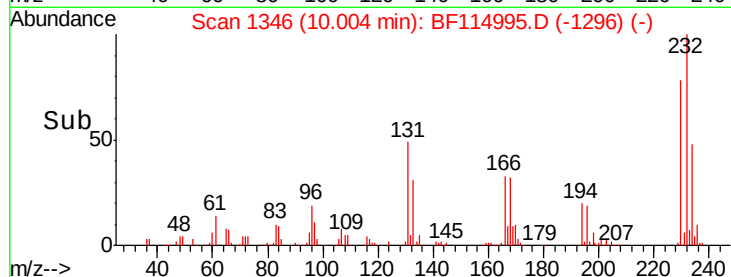
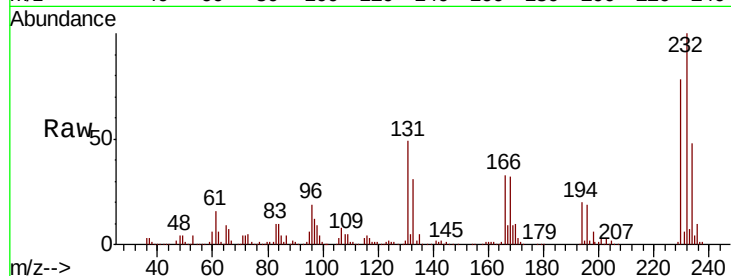




#59
2,3,4,6-Tetrachlorophenol
Concen: 34.649 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

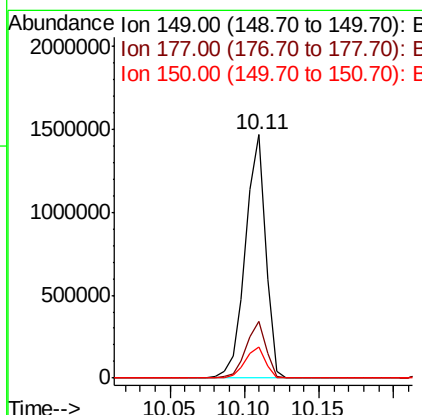
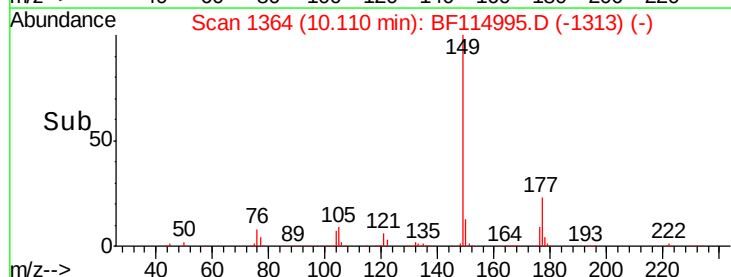
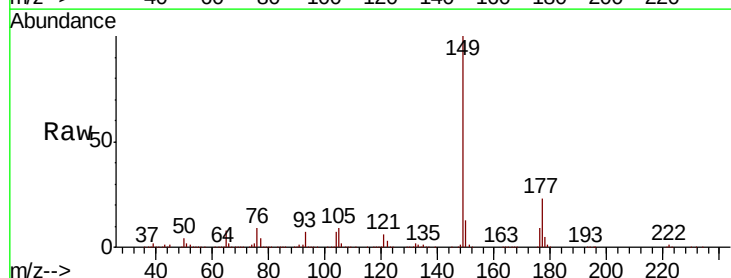
Instrument :
BNA_F
ClientSampleId :
200030-200034MS

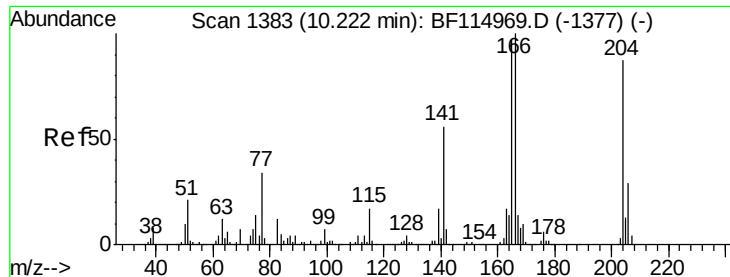
Tot Ion:232 Resp: 334139
Ion Ratio Lower Upper
232 100
131 45.4 36.9 55.3
130 2.2 1.8 2.6
166 31.0 24.8 37.2



#60
Diethylphthalate
Concen: 35.968 ng
RT: 10.11 min Scan# 1364
Delta R.T. -0.00 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Tgt Ion:149 Resp: 1384646
Ion Ratio Lower Upper
149 100
177 23.4 18.6 27.8
150 13.0 10.5 15.7

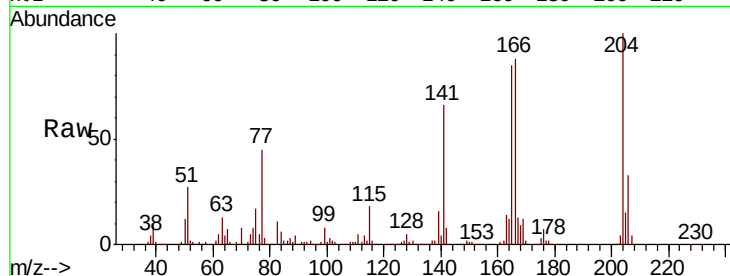




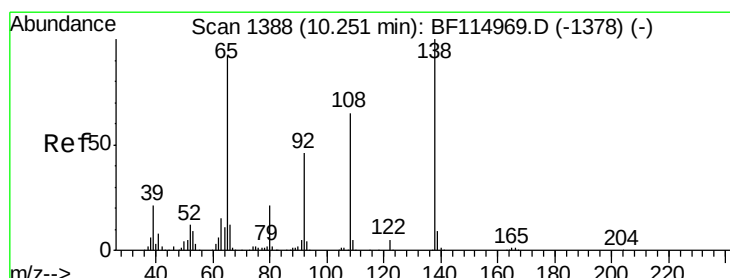
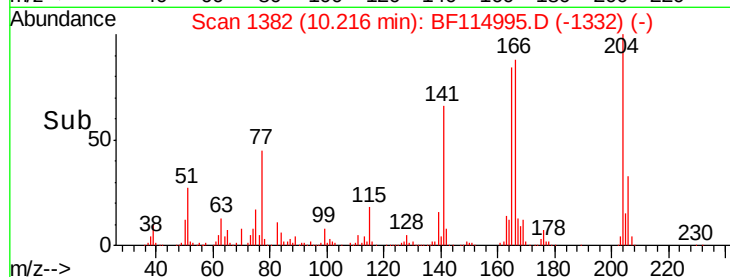
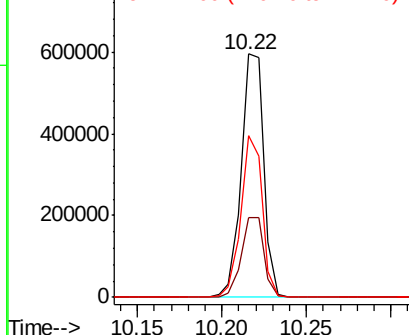
#61
4-Chlorophenyl-phenylether
Concen: 34.728 ng
RT: 10.22 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Instrument :
BNA_F
ClientSampleId :
200030-200034MS

Tot Ion:204 Resp: 554010
Ion Ratio Lower Upper
204 100
206 32.7 26.5 39.7
141 66.2 51.8 77.8

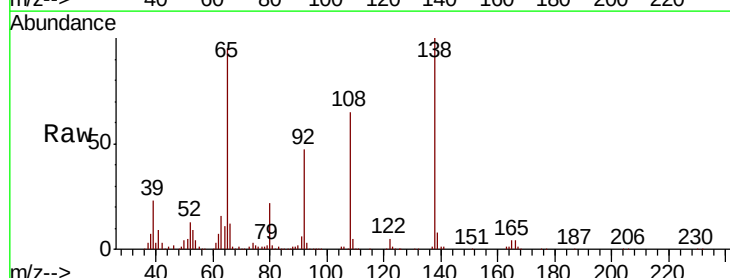


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

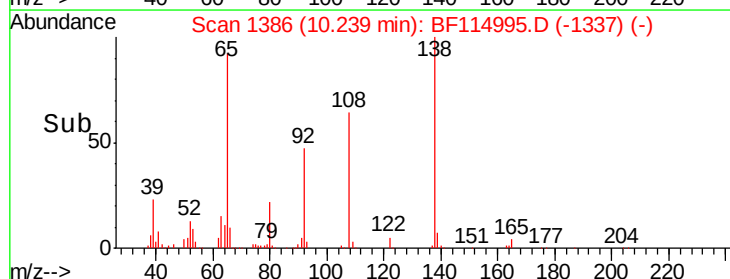
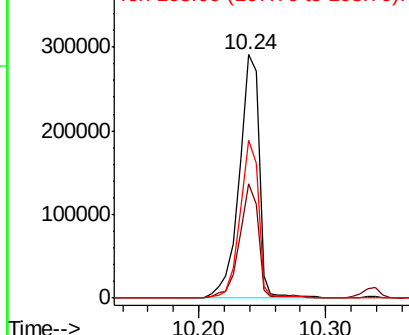


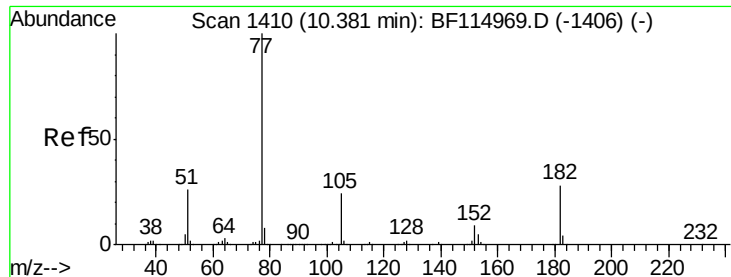
#62
4-Nitroaniline
Concen: 27.889 ng
RT: 10.24 min Scan# 1386
Delta R.T. -0.01 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Tgt Ion:138 Resp: 313766
Ion Ratio Lower Upper
138 100
92 47.1 25.7 65.7
108 64.8 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



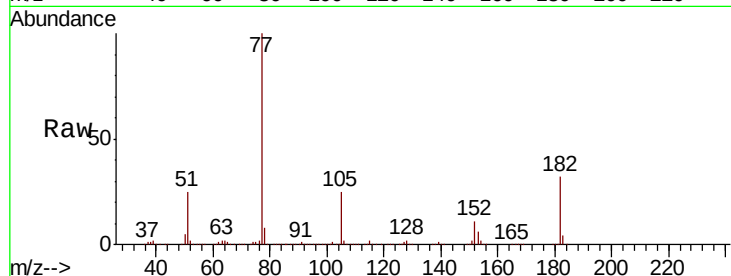


#63
Azobenzene
Concen: 33.950 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.00 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Instrument :
BNA_F
ClientSampleId :
200030-200034MS

Tot Ion: 77 Resp: 1143388

Ion	Ratio	Lower	Upper
77	100		
182	31.6	7.4	47.4
105	25.0	4.2	44.2
51	25.3	6.2	46.2

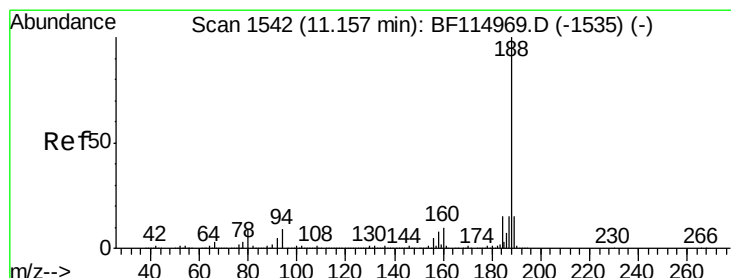
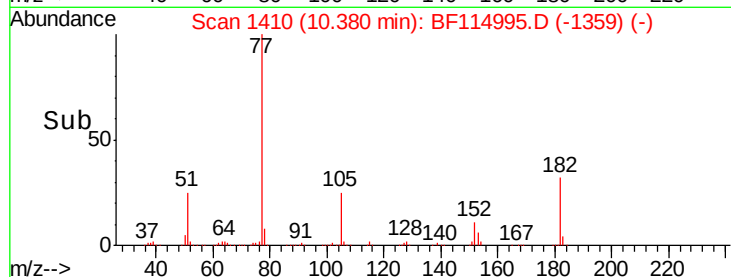
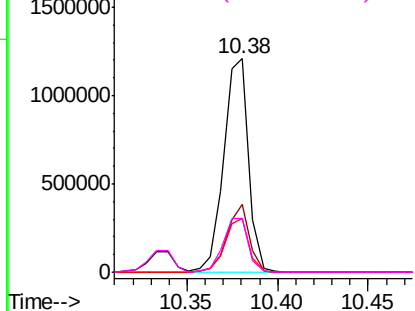


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

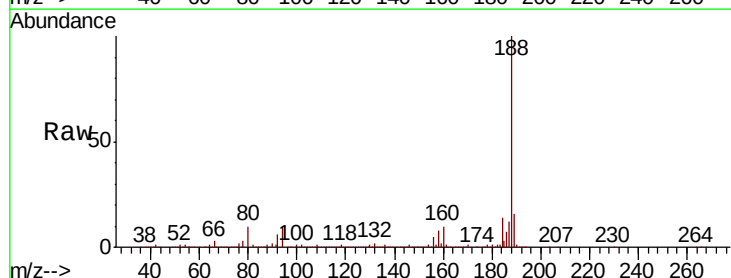
Ion 51.00 (50.70 to 51.70): BF1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.15 min Scan# 1541
Delta R.T. -0.01 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Tgt Ion: 188 Resp: 872782

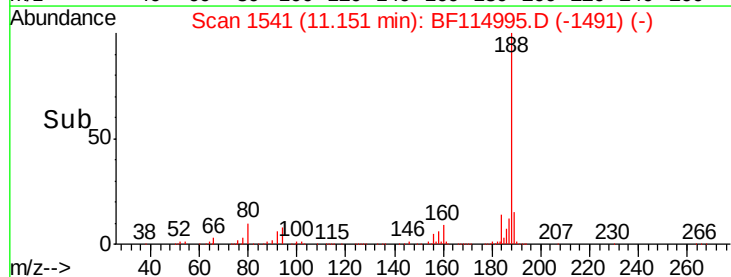
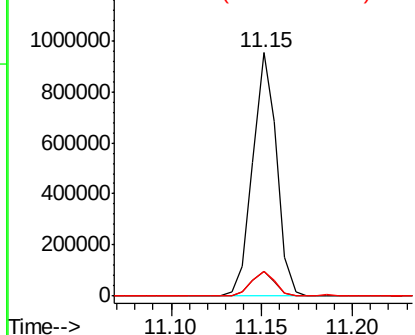
Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.2	10.8
80	10.3	7.4	11.2

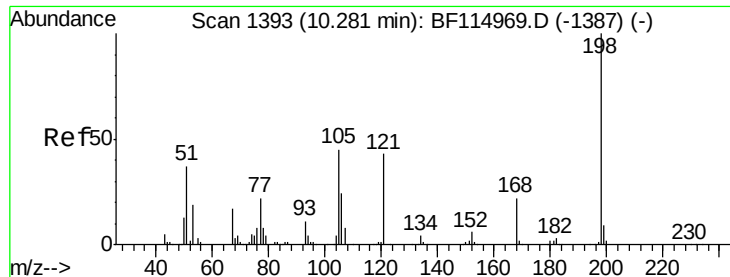


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

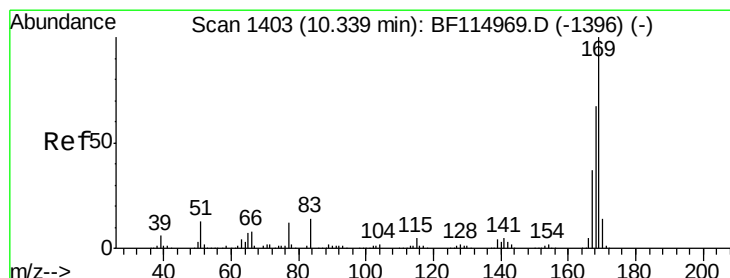
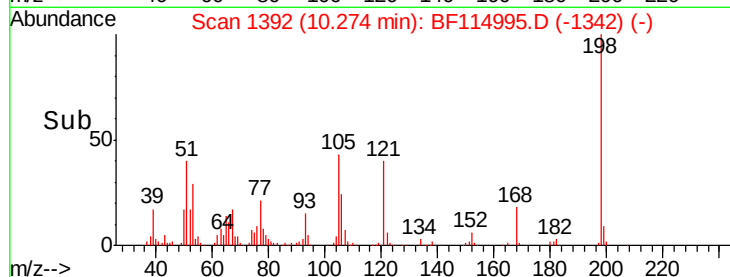
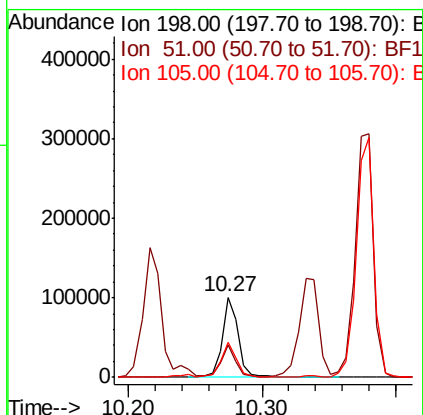
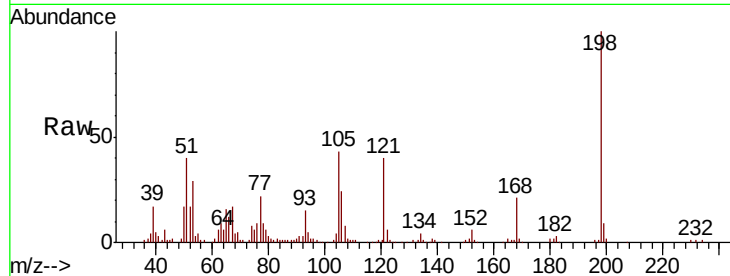




#65
4,6-Dinitro-2-methylphenol
Concen: 17.448 ng
RT: 10.27 min Scan# 1392
Delta R.T. -0.01 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

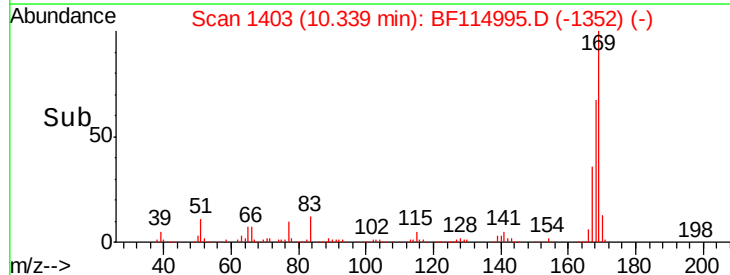
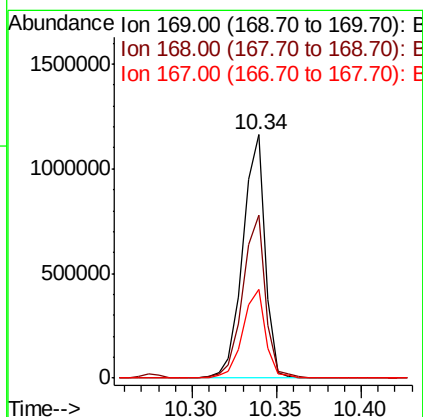
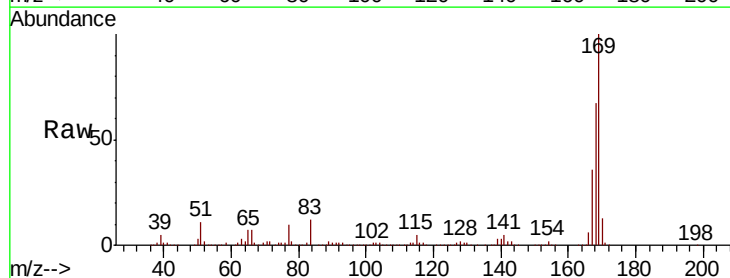
Instrument :
BNA_F
ClientSampleId :
200030-200034MS

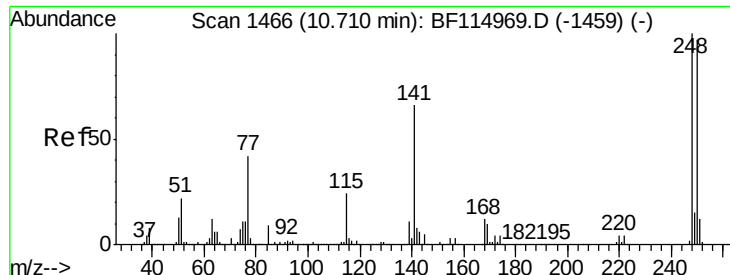
Tot Ion:198 Resp: 85353
Ion Ratio Lower Upper
198 100
51 39.8 23.0 63.0
105 43.3 26.5 66.5



#66
n-Nitrosodiphenylamine
Concen: 41.191 ng
RT: 10.34 min Scan# 1403
Delta R.T. -0.00 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Tgt Ion:169 Resp: 1074632
Ion Ratio Lower Upper
169 100
168 66.8 53.6 80.4
167 36.4 29.6 44.4

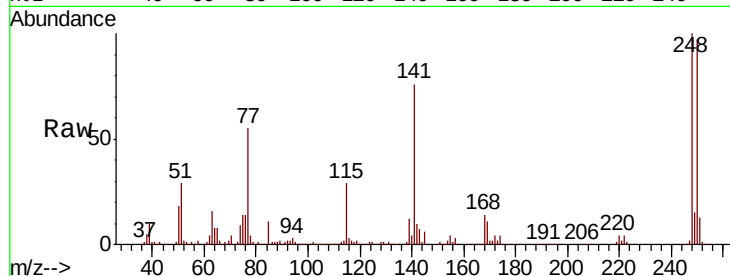




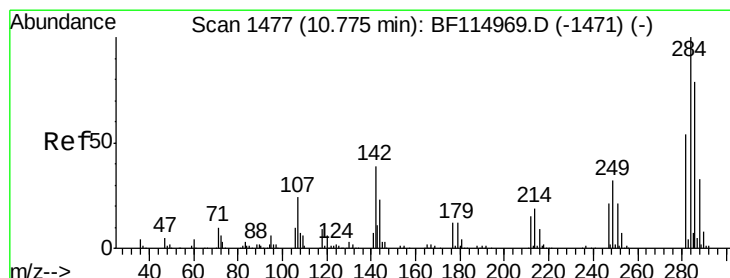
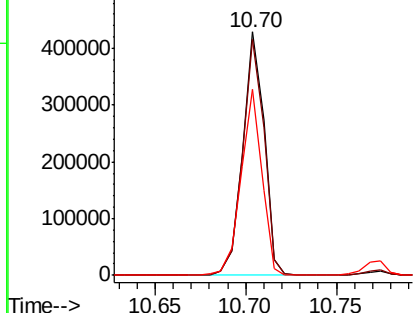
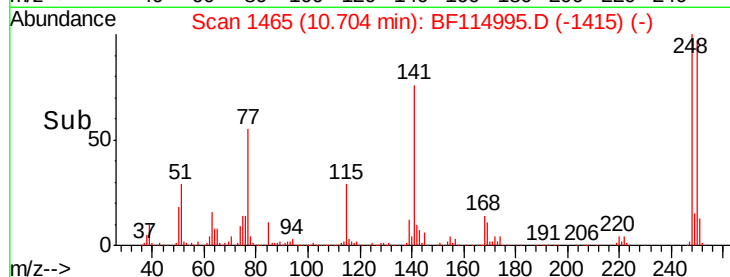
#67
4-Bromophenyl-phenylether
Concen: 37.744 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Instrument :
BNA_F
ClientSampleId :
200030-200034MS

Tot Ion:248 Resp: 353702
Ion Ratio Lower Upper
248 100
250 97.0 77.8 116.8
141 76.4 53.1 79.7

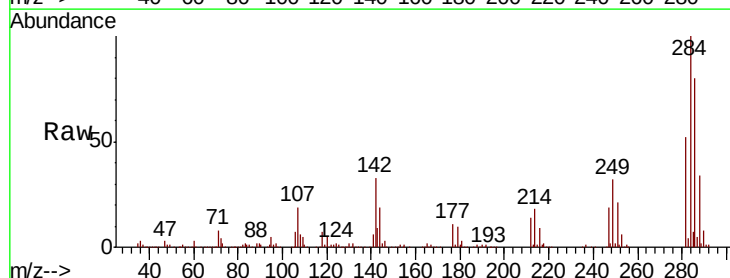


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

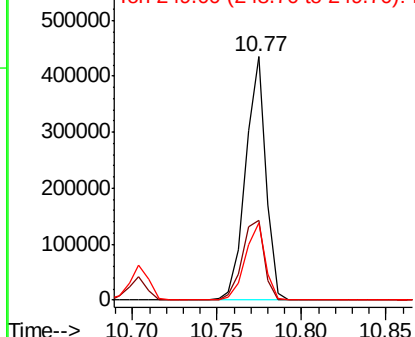
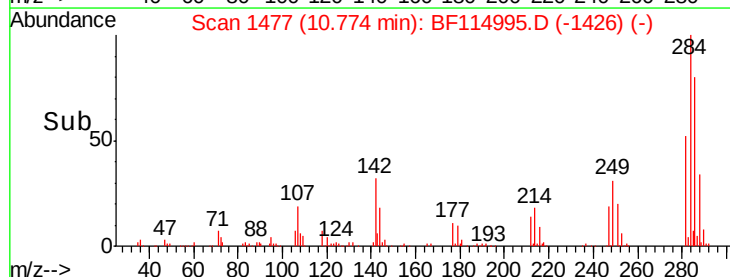


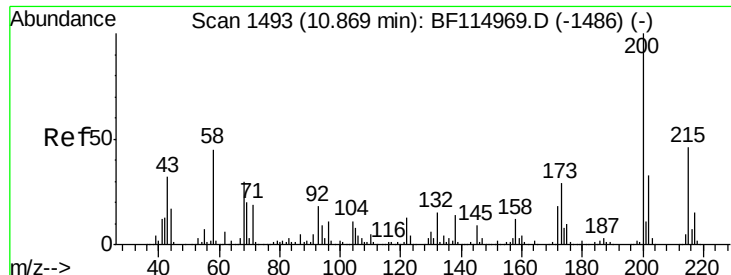
#68
Hexachlorobenzene
Concen: 35.232 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.00 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Tgt Ion:284 Resp: 363493
Ion Ratio Lower Upper
284 100
142 32.5 31.5 47.3
249 31.7 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

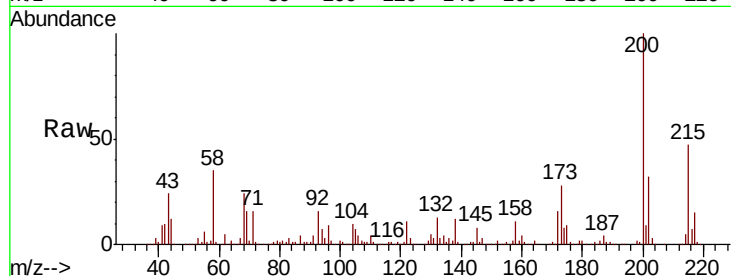




#69
Atrazine
Concen: 39.668 ng
RT: 10.87 min Scan# 1493
Delta R.T. -0.00 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Instrument :
BNA_F
ClientSampleId :
200030-200034MS

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.5	9.0	49.0
215	47.0	26.5	66.5

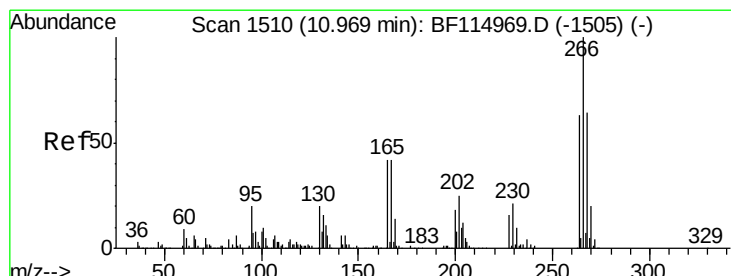
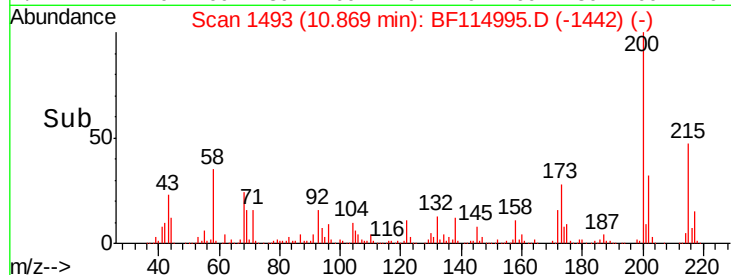
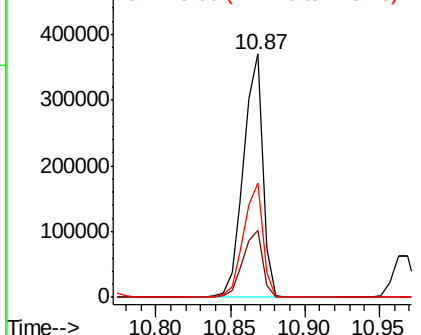


Abundance

Ion 200.00 (199.70 to 200.70): E

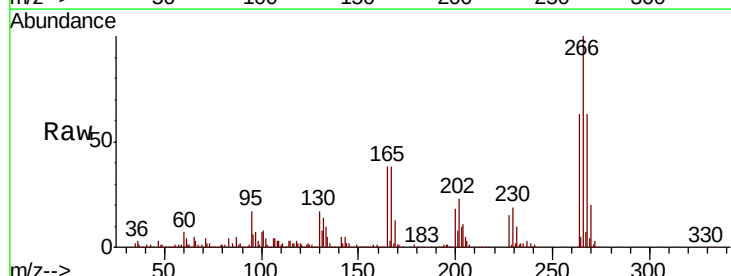
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 63.738 ng
RT: 10.97 min Scan# 1510
Delta R.T. -0.00 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.3	51.4	77.2
264	63.1	50.3	75.5

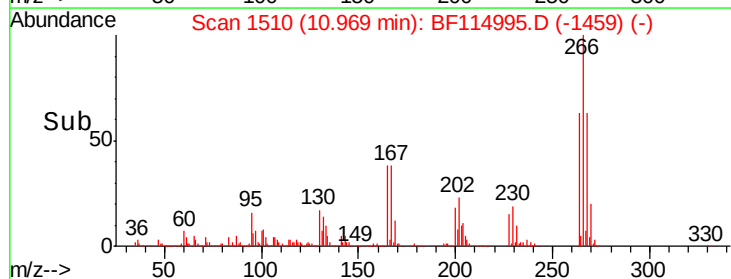
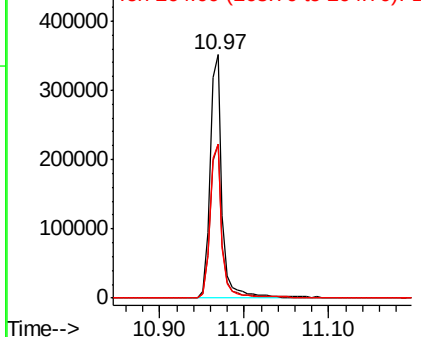


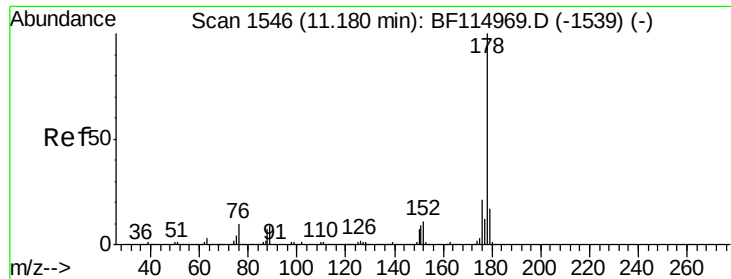
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

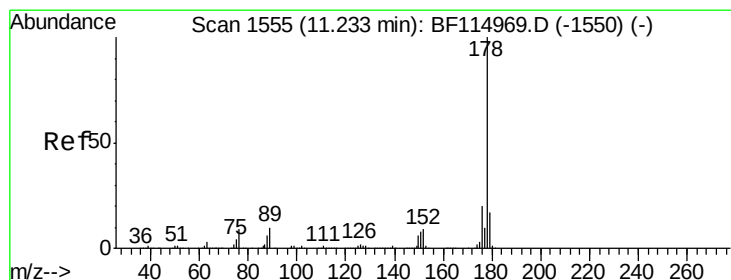
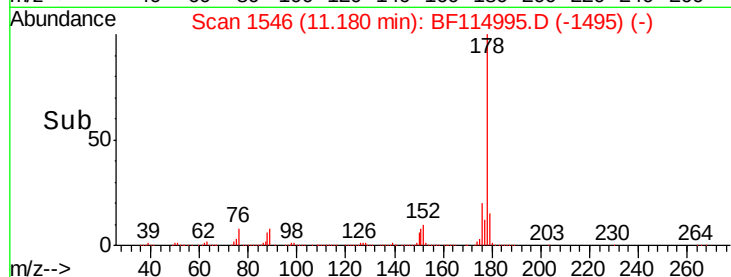
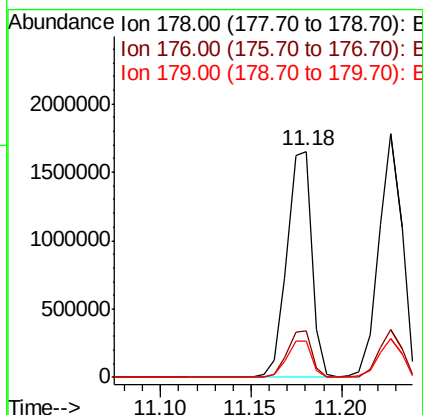
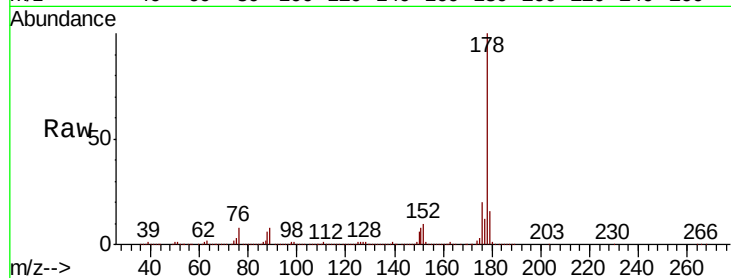




#71
Phenanthrene
Concen: 35.419 ng
RT: 11.18 min Scan# 1546
Delta R.T. -0.00 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

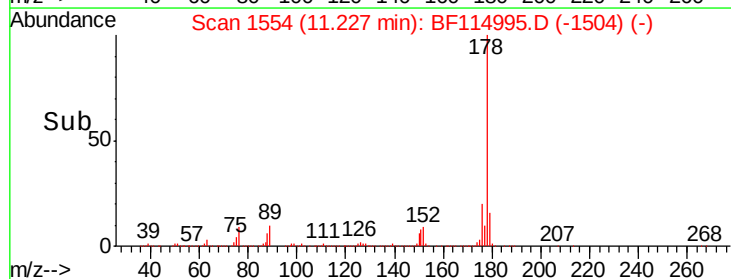
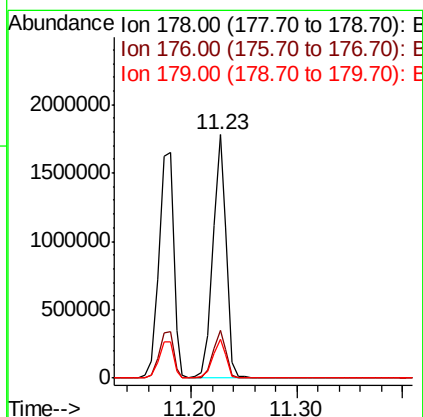
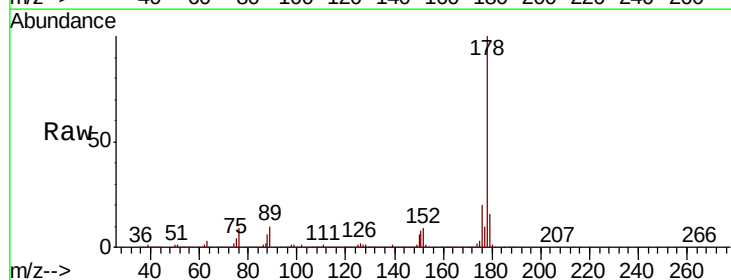
Instrument :
BNA_F
ClientSampleId :
200030-200034MS

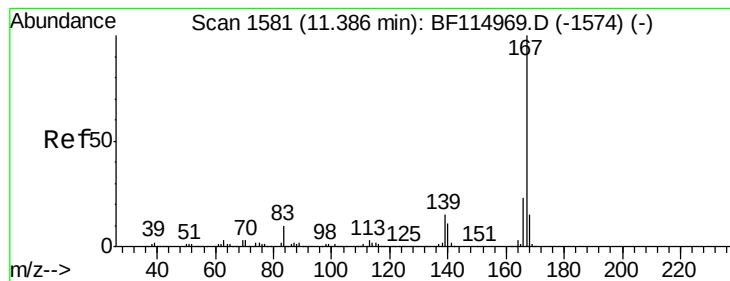
Tot Ion:178 Resp: 1596082
Ion Ratio Lower Upper
178 100
176 20.4 16.9 25.3
179 15.9 13.4 20.0



#72
Anthracene
Concen: 35.063 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Tgt Ion:178 Resp: 1593983
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.4
179 16.1 13.2 19.8





#73

Carbazole

Concen: 35.530 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

Instrument :

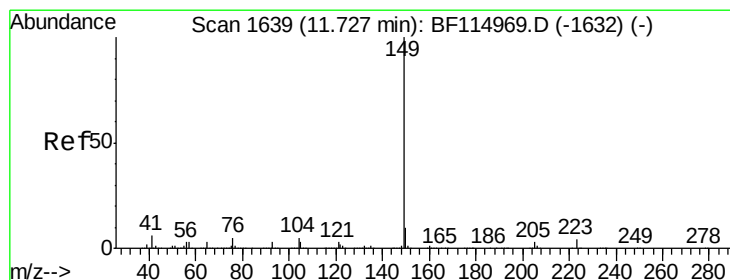
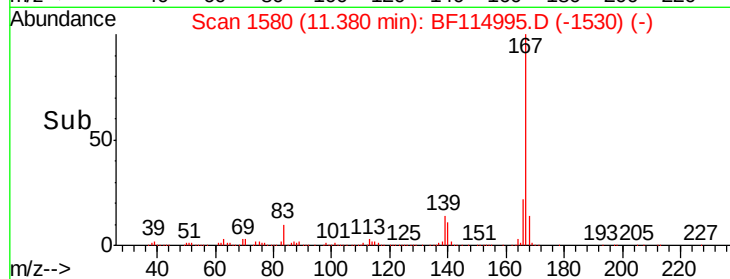
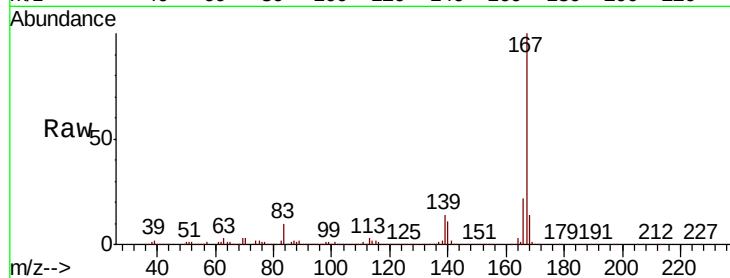
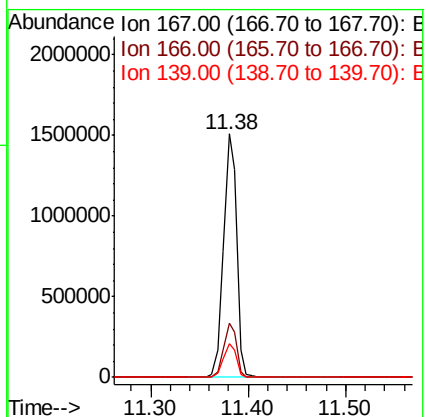
BNA_F

ClientSampleId :

200030-200034MS

Tot Ion:167 Resp: 1409837

Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.5	27.7
139	14.0	12.0	18.0



#74

Di-n-butylphthalate

Concen: 36.334 ng

RT: 11.73 min Scan# 1639

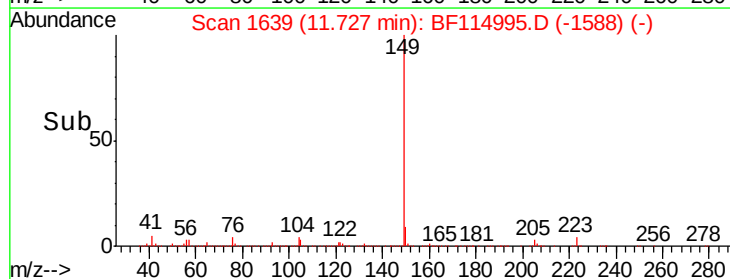
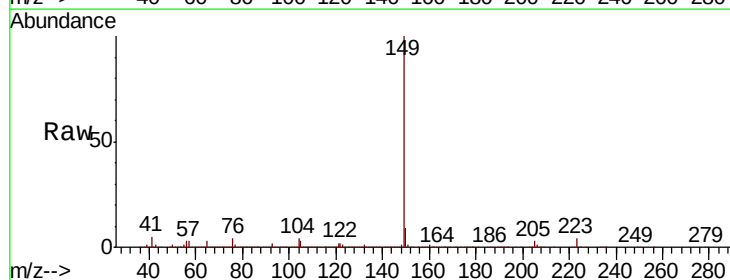
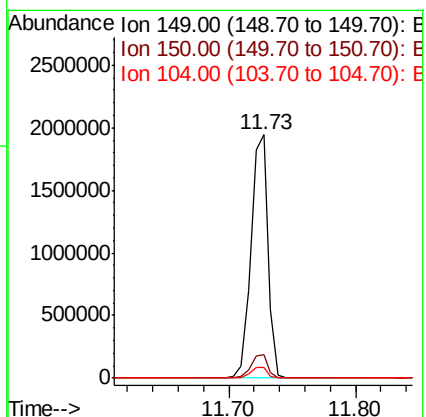
Delta R.T. -0.00 min

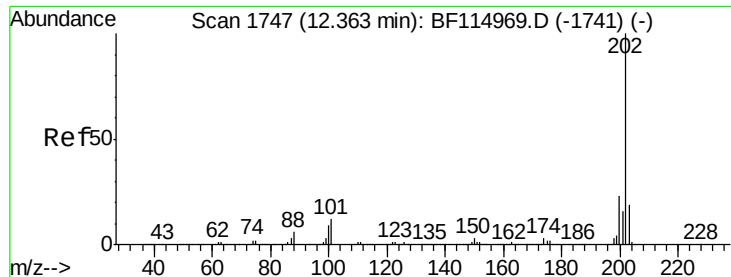
Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

Tgt Ion:149 Resp: 1817591

Ion	Ratio	Lower	Upper
149	100		
150	9.4	8.1	12.1
104	4.3	4.0	6.0





#75

Fluoranthene

Concen: 32.464 ng

RT: 12.36 min Scan# 1746

Delta R.T. -0.01 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

Instrument :

BNA_F

ClientSampleId :

200030-200034MS

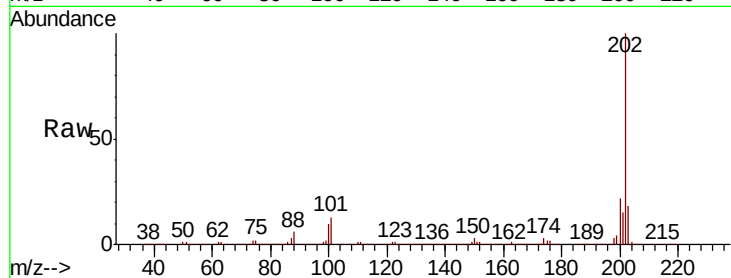
Tot Ion:202 Resp: 1495924

Ion Ratio Lower Upper

202 100

101 12.8 0.0 32.4

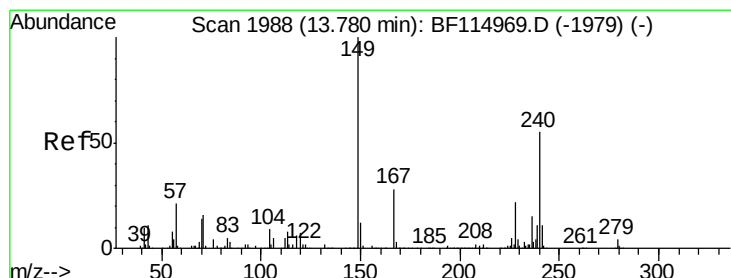
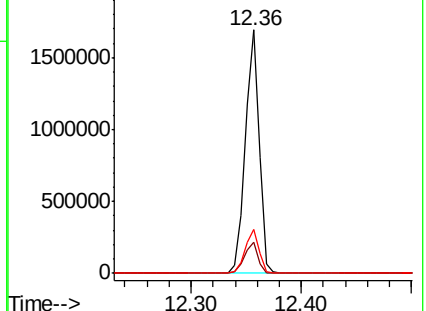
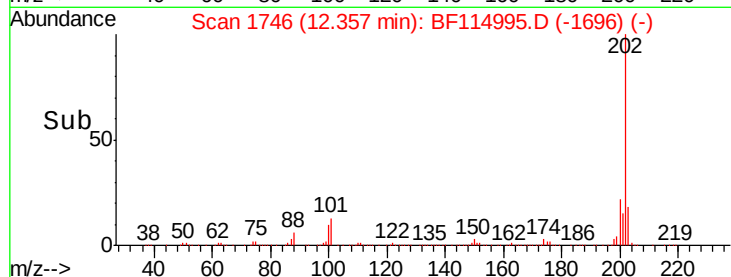
203 18.2 0.0 38.6



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: BF114995.D

Acq: 13 Jun 2019 11:38

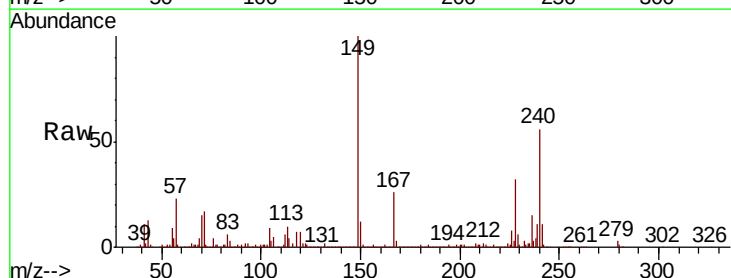
Tgt Ion:240 Resp: 501702

Ion Ratio Lower Upper

240 100

120 12.7 10.0 15.0

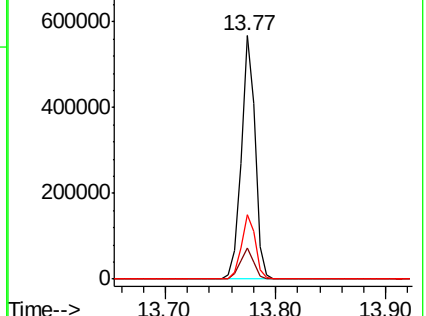
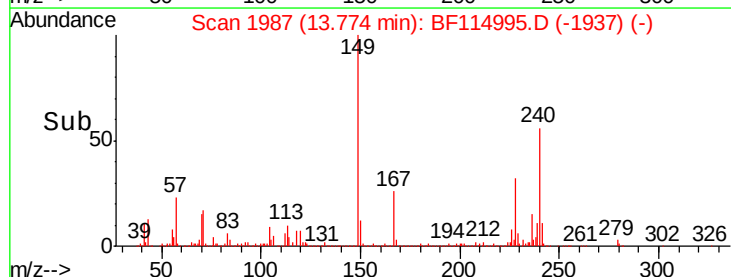
236 26.3 21.6 32.4

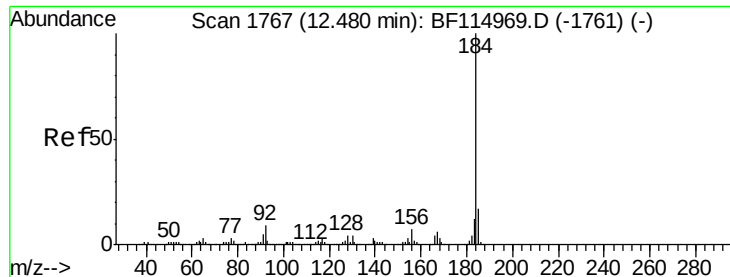


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 9.621 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

Instrument :

BNA_F

ClientSampleId :

200030-200034MS

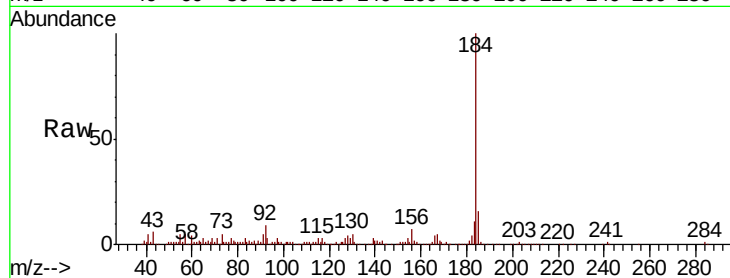
Tot Ion:184 Resp: 195228

Ion Ratio Lower Upper

184 100

185 15.7 13.4 20.0

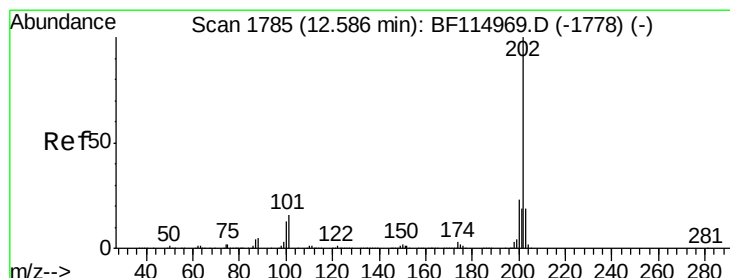
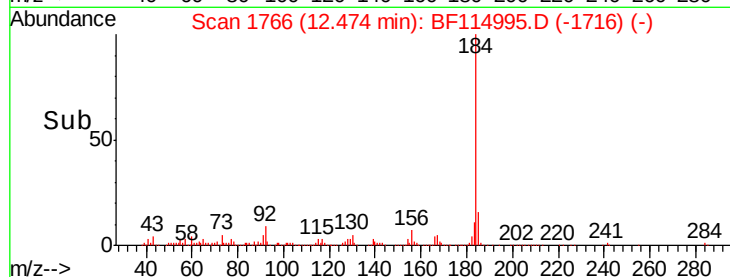
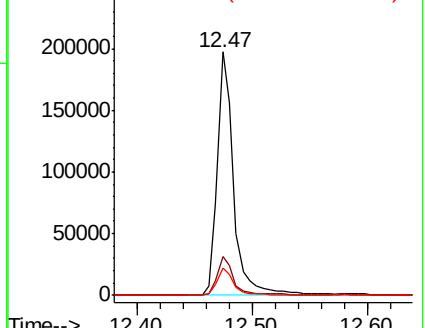
183 11.1 9.8 14.6



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: 32.141 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

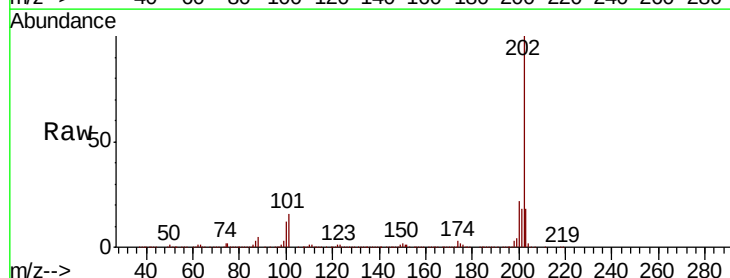
Tgt Ion:202 Resp: 1468994

Ion Ratio Lower Upper

202 100

200 22.4 18.4 27.6

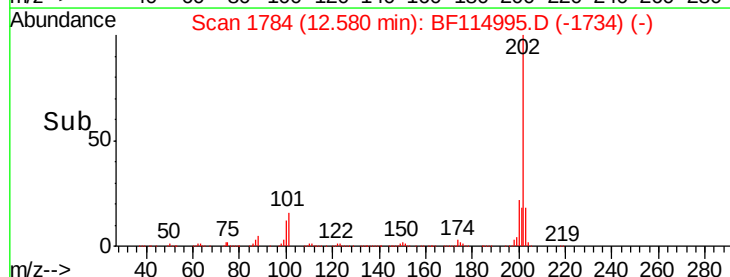
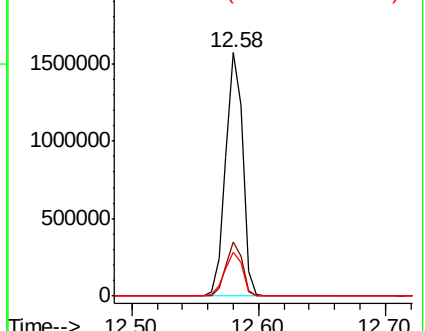
203 18.0 14.9 22.3

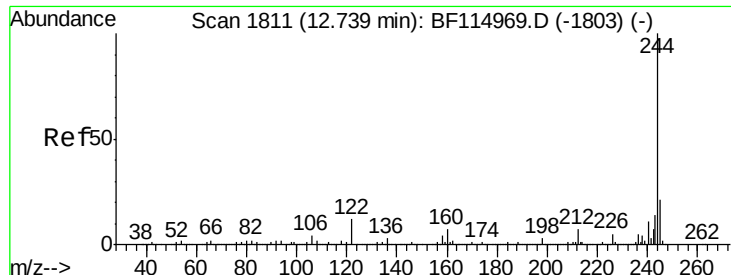


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 73.968 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

Instrument :

BNA_F

ClientSampleId :

200030-200034MS

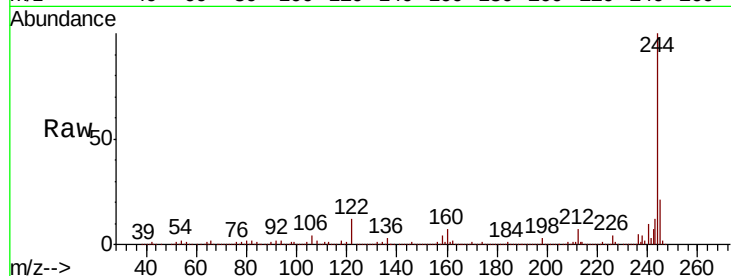
Tot Ion:244 Resp: 1973011

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

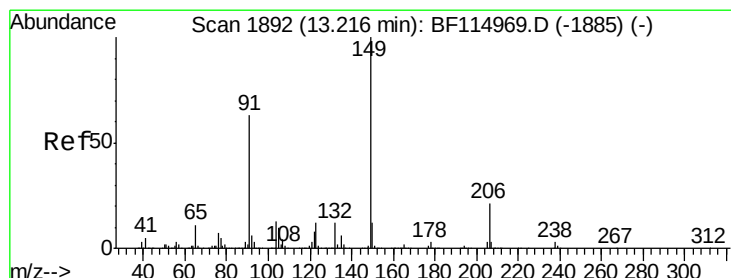
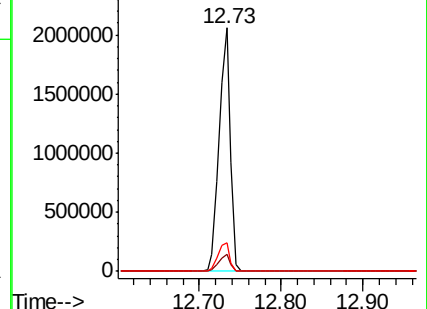
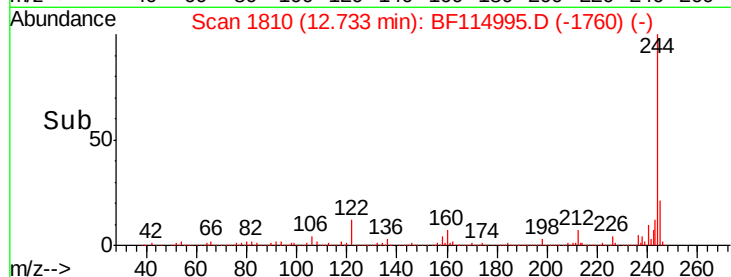
122 12.0 9.4 14.0



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: 30.156 ng

RT: 13.21 min Scan# 1891

Delta R.T. -0.01 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

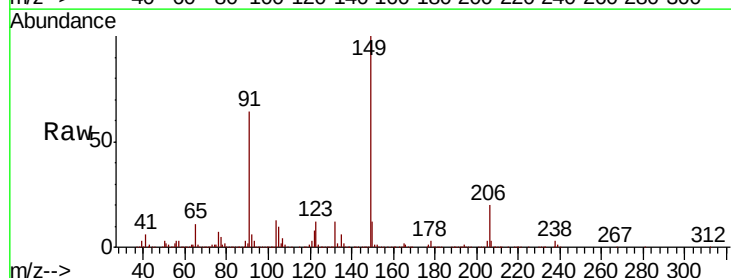
Tgt Ion:149 Resp: 643755

Ion Ratio Lower Upper

149 100

91 64.4 50.6 76.0

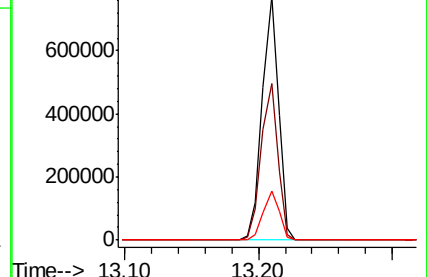
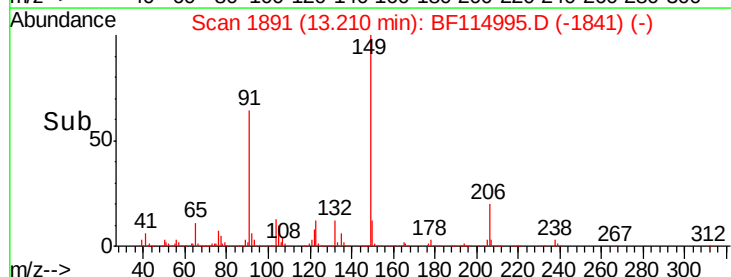
206 20.3 16.7 25.1

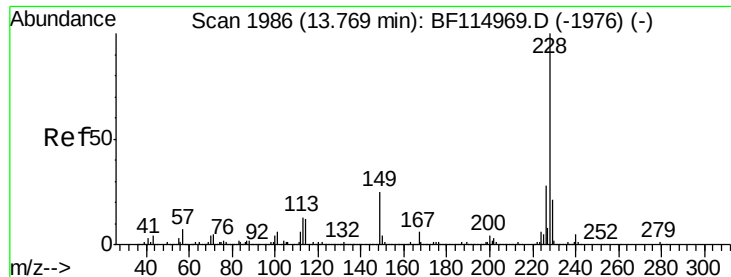


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 33.569 ng

RT: 13.76 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

Instrument :

BNA_F

ClientSampleId :

200030-200034MS

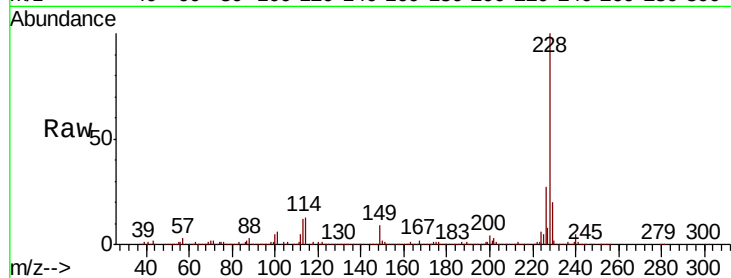
Tot Ion:228 Resp: 1260303

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.0	33.0
229	20.2	16.6	25.0

228 100

226 27.2 22.0 33.0

229 20.2 16.6 25.0

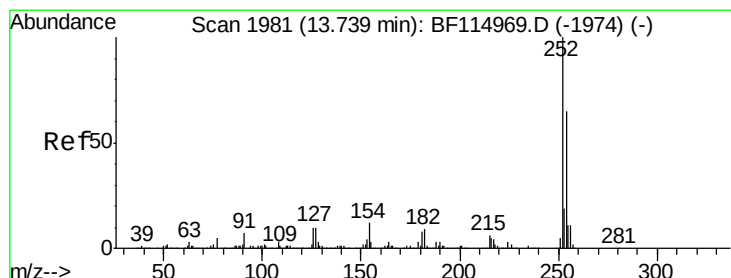
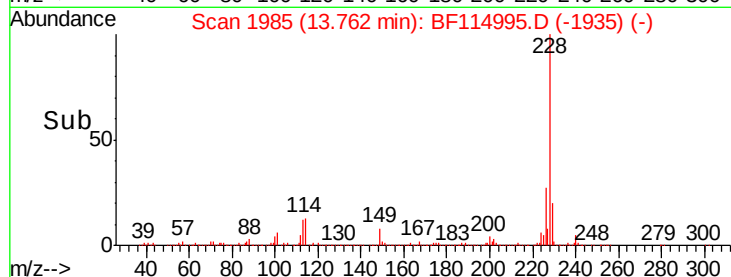
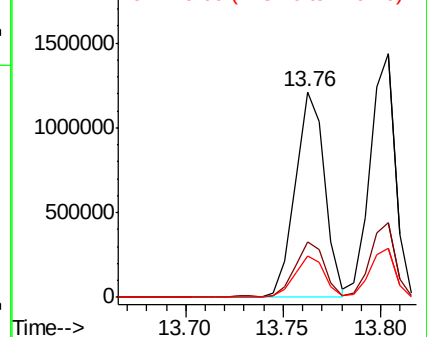


Abundance

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: 29.582 ng

RT: 13.73 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

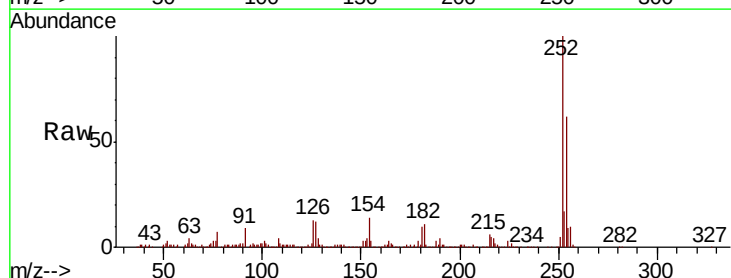
Tgt Ion:252 Resp: 425788

Ion	Ratio	Lower	Upper
252	100		
254	62.4	52.2	78.4
126	13.1	8.0	12.0

252 100

254 62.4 52.2 78.4

126 13.1 8.0 12.0

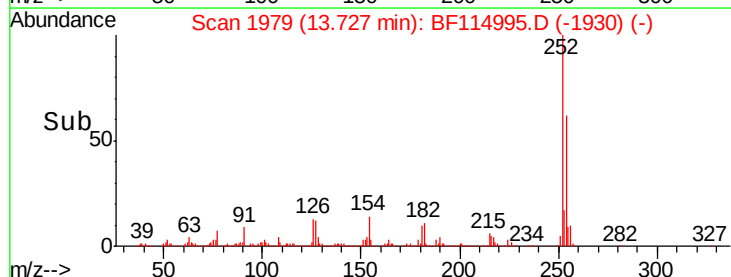
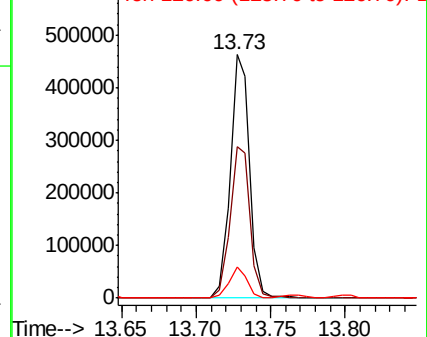


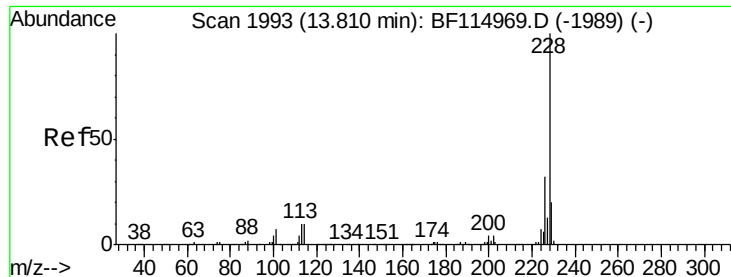
Abundance

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: 34.427 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

Instrument :

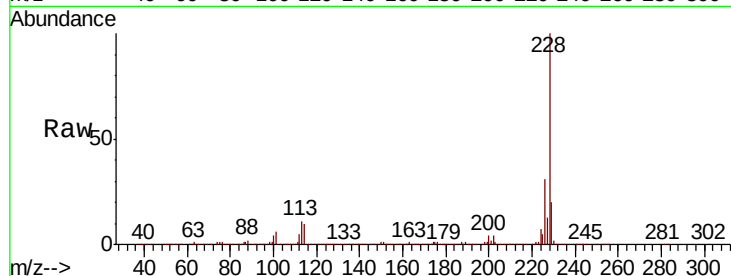
BNA_F

ClientSampleId :

200030-200034MS

Tot Ion:228 Resp: 1285266

Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.4	38.0
229	20.0	16.4	24.6

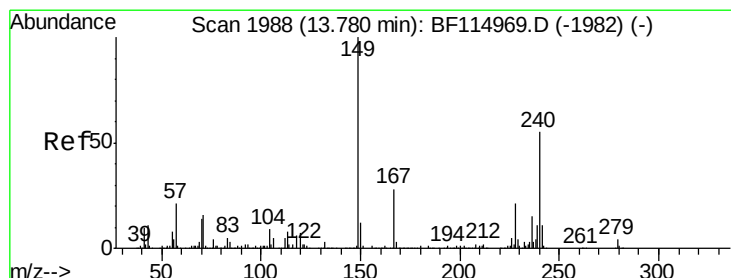
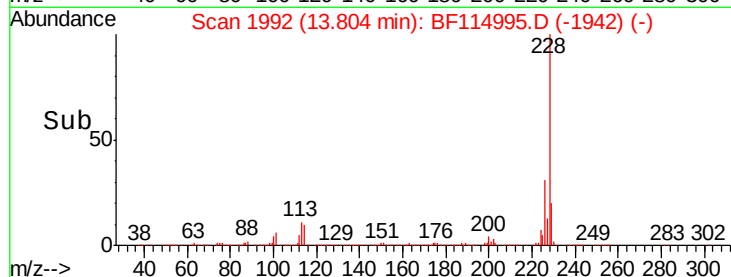
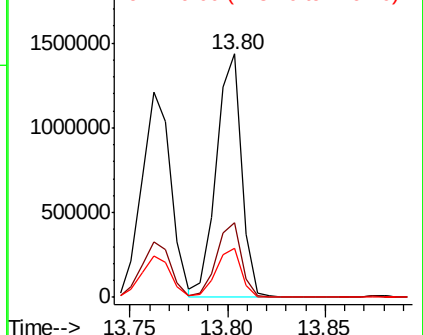


Abundance

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: 36.296 ng

RT: 13.77 min Scan# 1987

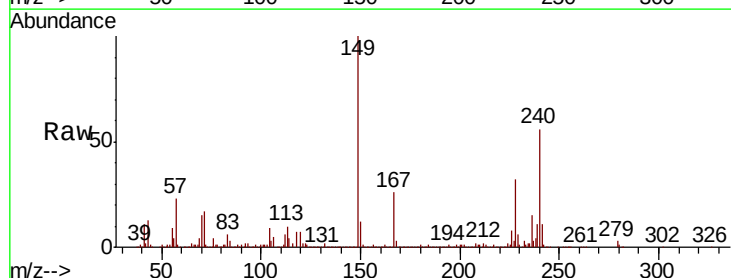
Delta R.T. -0.01 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

Tgt Ion:149 Resp: 915760

Ion	Ratio	Lower	Upper
149	100		
167	26.5	22.2	33.4
279	3.5	3.4	5.0

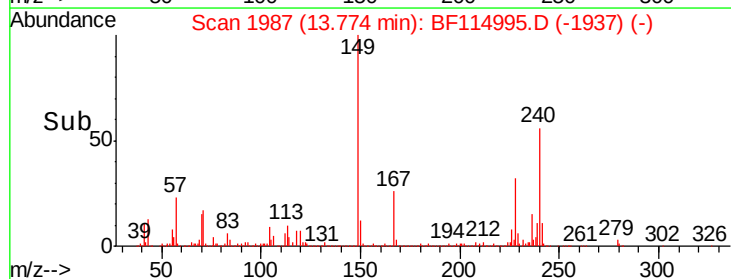
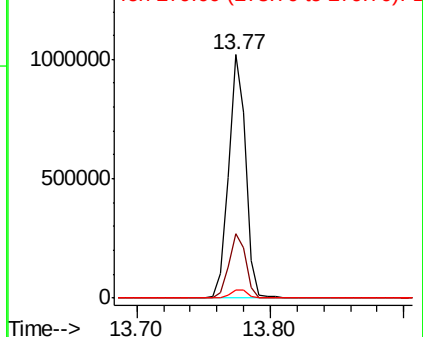


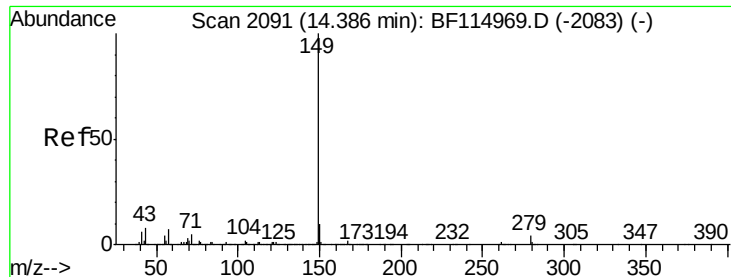
Abundance

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: 35.130 ng

RT: 14.38 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

Instrument :

BNA_F

ClientSampleId :

200030-200034MS

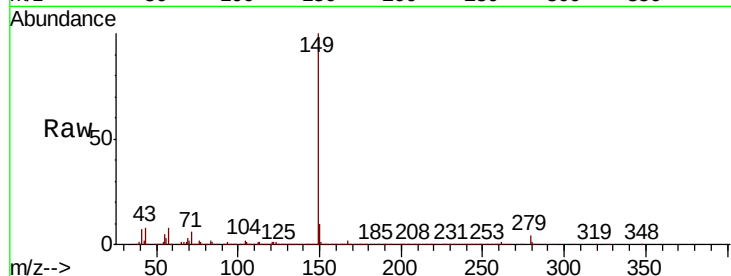
Tot Ion:149 Resp: 1526307

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.0	6.5	9.7

149 100

167 1.6 1.3 1.9

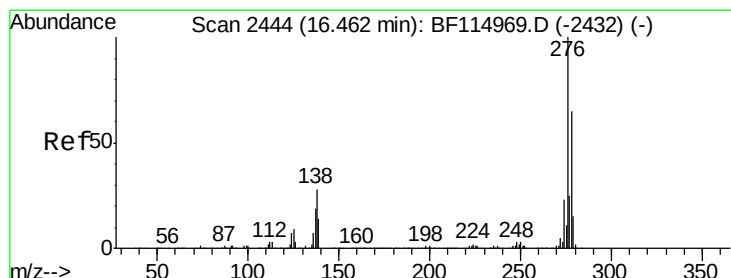
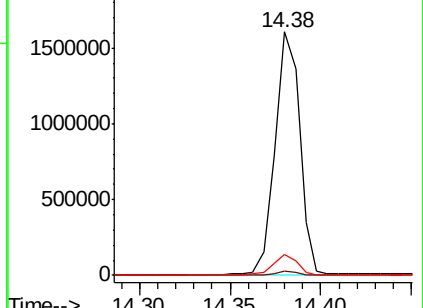
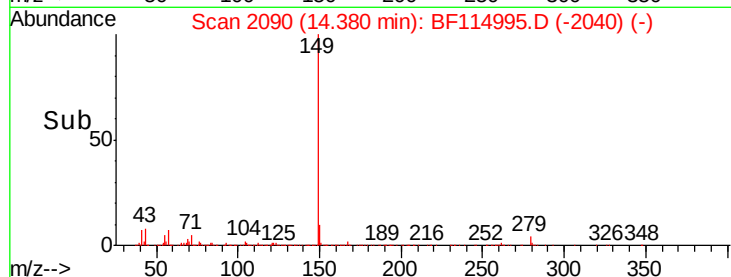
43 8.0 6.5 9.7



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: 34.780 ng

RT: 16.45 min Scan# 2442

Delta R.T. -0.01 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

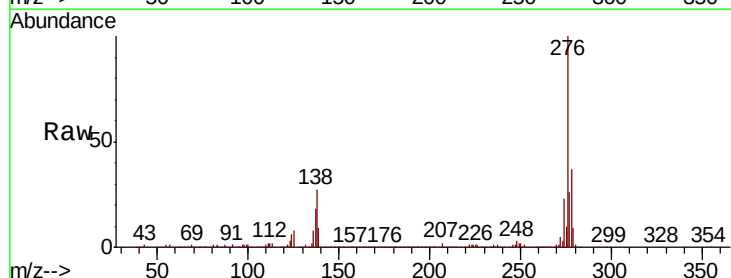
Tgt Ion:276 Resp: 1140595

Ion	Ratio	Lower	Upper
276	100		
138	28.6	23.0	34.4
277	25.2	20.6	30.8

276 100

138 28.6 23.0 34.4

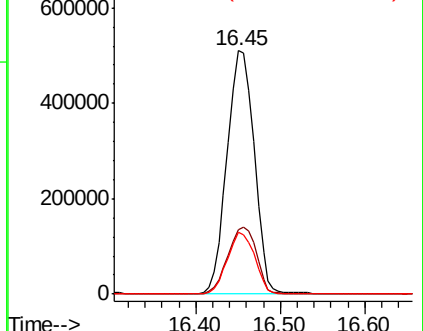
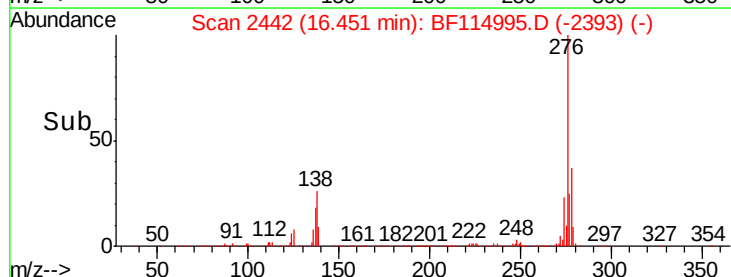
277 25.2 20.6 30.8

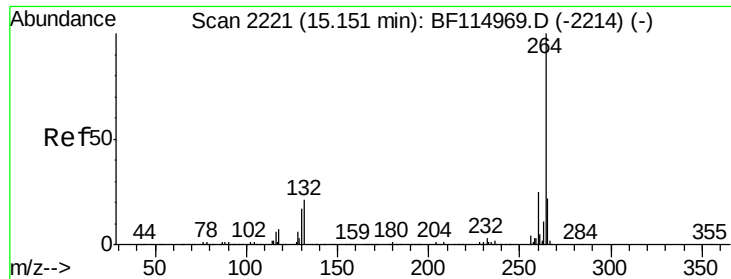


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



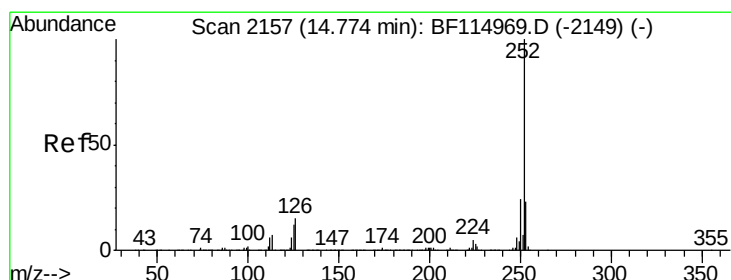
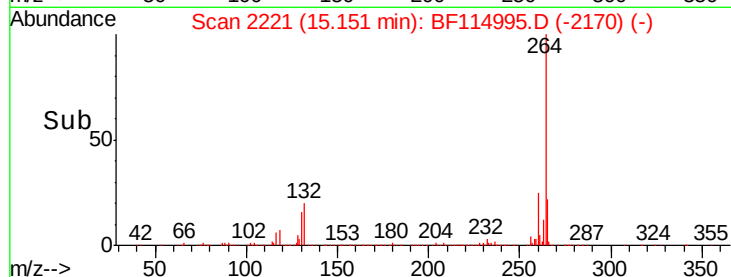
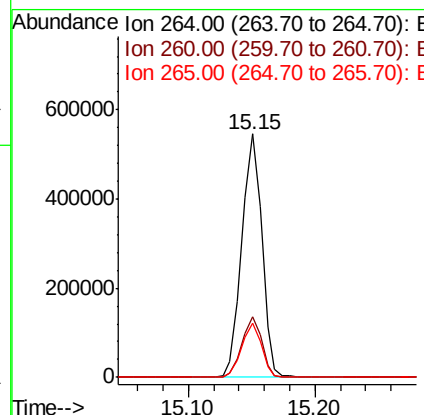
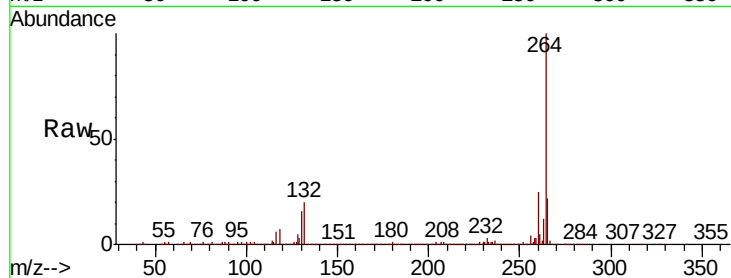


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Instrument :
BNA_F
ClientSampleId :
200030-200034MS

Tot Ion:264 Resp: 597544

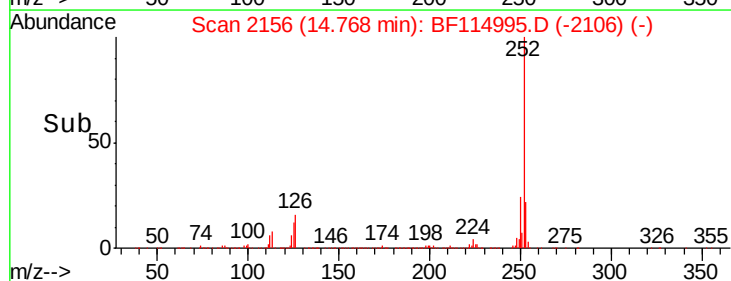
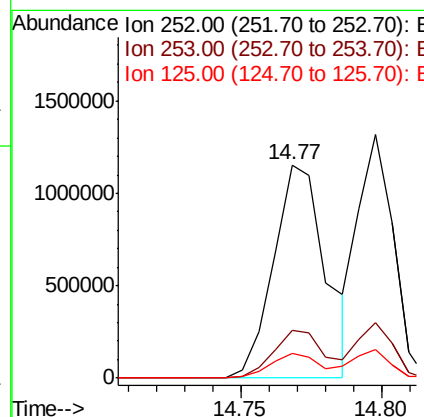
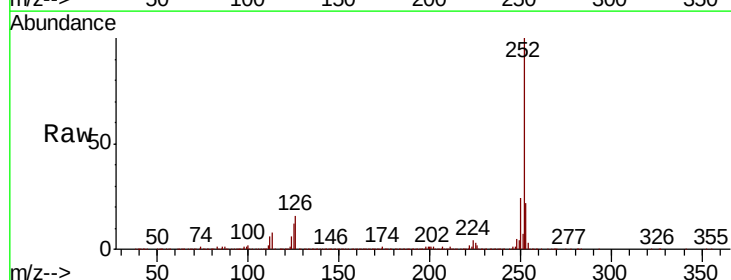
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.9	29.9
265	22.1	17.6	26.4

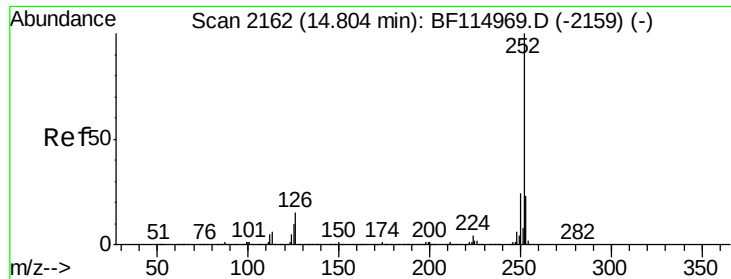


#88
Benzo(b)fluoranthene
Concen: 37.326 ng
RT: 14.77 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Tgt Ion:252 Resp: 1482676

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	11.8	9.4	14.0

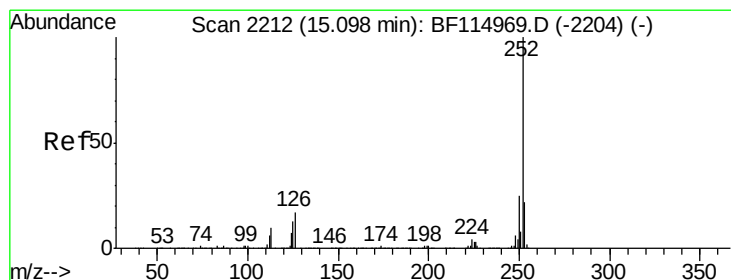
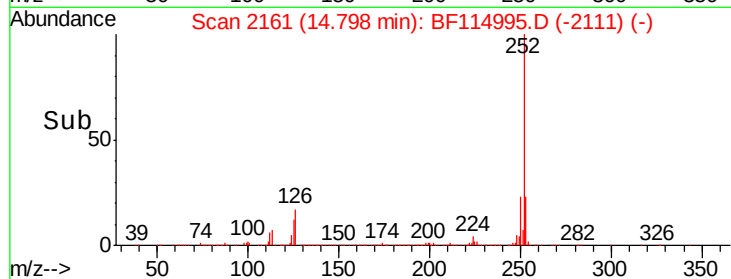
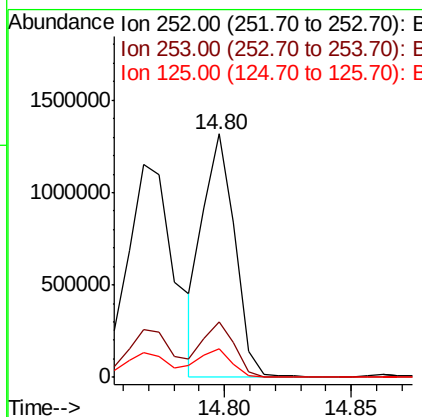
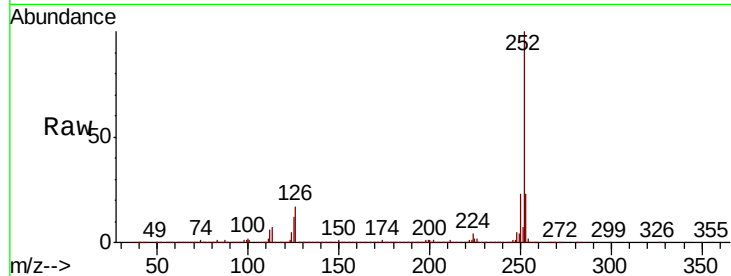




#89
Benzo(k)fluoranthene
Concen: 32.740 ng
RT: 14.80 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

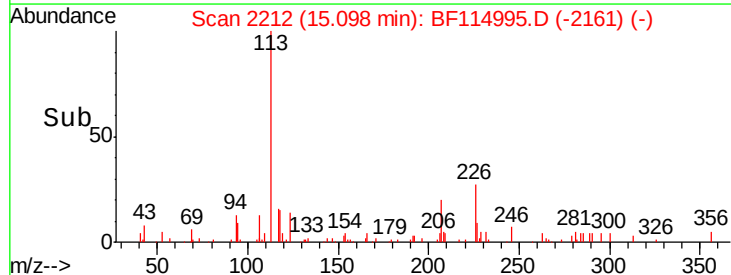
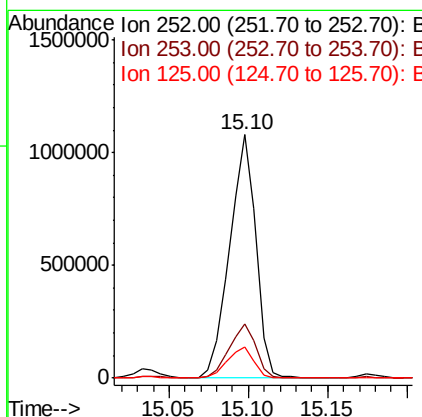
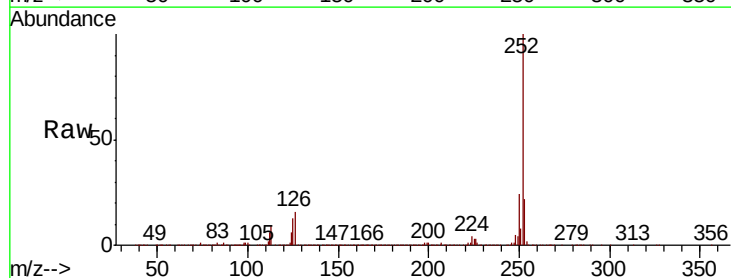
Instrument :
BNA_F
ClientSampleId :
200030-200034MS

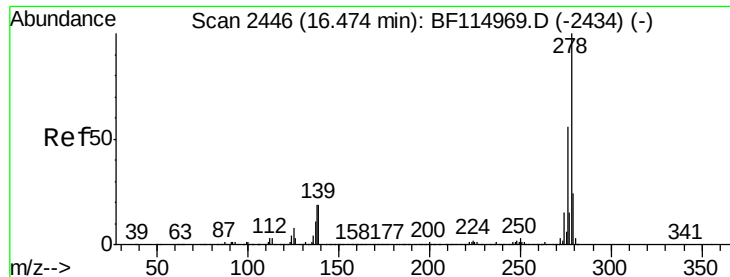
Tot Ion:252 Resp: 1141526
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 11.7 8.2 12.4



#90
Benzo(a)pyrene
Concen: 36.087 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.00 min
Lab File: BF114995.D
Acq: 13 Jun 2019 11:38

Tgt Ion:252 Resp: 1236930
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 12.6 10.7 16.1





#91

Dibenzo(a,h)anthracene

Concen: 32.758 ng

RT: 16.47 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

Instrument :

BNA_F

ClientSampleId :

200030-200034MS

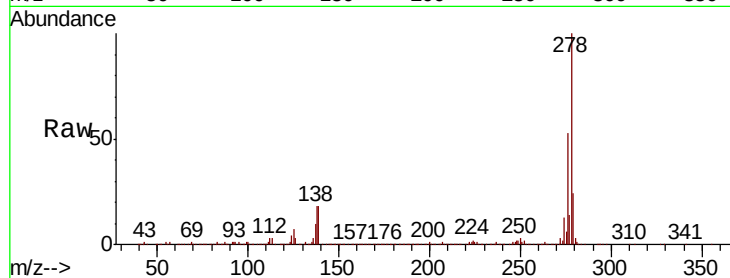
Tot Ion:278 Resp: 966956

Ion Ratio Lower Upper

278 100

139 18.0 15.3 22.9

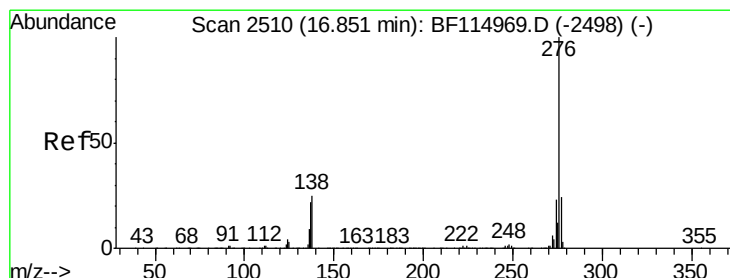
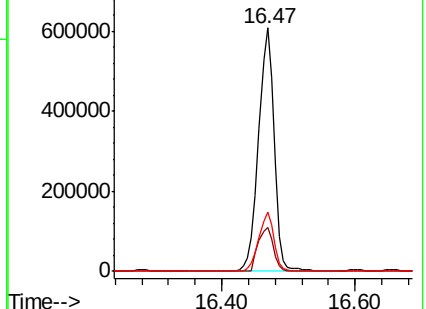
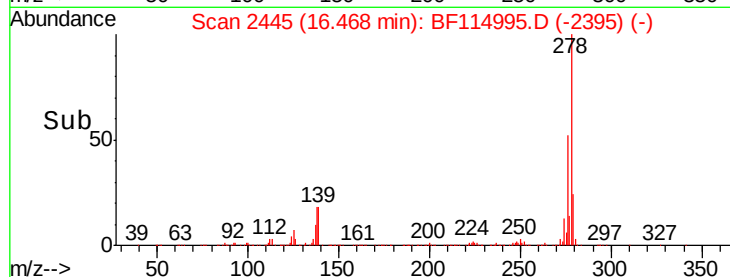
279 24.4 19.2 28.8



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: 30.226 ng

RT: 16.84 min Scan# 2509

Delta R.T. -0.01 min

Lab File: BF114995.D

Acq: 13 Jun 2019 11:38

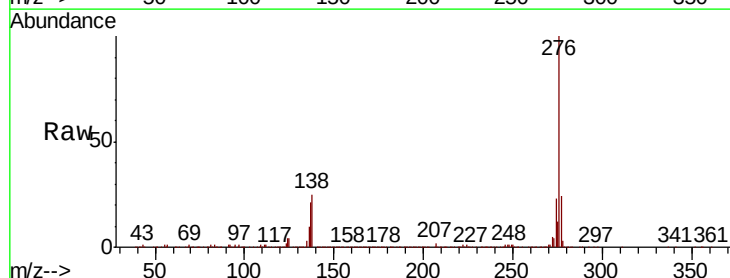
Tgt Ion:276 Resp: 909935

Ion Ratio Lower Upper

276 100

277 24.0 18.8 28.2

138 24.7 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

