

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022420\
 Data File : BF119044.D
 Acq On : 25 Feb 2020 2:23
 Operator : CG/JU
 Sample : L1635-12MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 25 03:33:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	166340	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	625116	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	336866	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	609402	20.00	ng	0.00
76) Chrysene-d12	13.91	240	386223	20.00	ng	0.00
87) Perylene-d12	15.33	264	380548	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	1032058	103.69	ng	0.01
7) Phenol-d6	6.40	99	1248983	103.18	ng	0.00
23) Nitrobenzene-d5	7.32	82	828331	69.96	ng	0.00
42) 2,4,6-Tribromophenol	10.58	330	443375	100.61	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	1616151	70.68	ng	0.00
79) Terphenyl-d14	12.85	244	1798499	80.17	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.53	88	166279	37.521	ng	98
3) Pyridine	3.27	79	425775	35.180	ng	100
4) n-Nitrosodimethylamine	3.20	42	167114	45.581	ng	94
6) Aniline	6.42	93	232873	15.590	ng	# 1
8) 2-Chlorophenol	6.55	128	512540	47.715	ng	97
9) Benzaldehyde	6.30	77	216707	26.795	ng	100
10) Phenol	6.42	94	580531	44.356	ng	96
11) bis(2-Chloroethyl)ether	6.49	93	458625	45.798	ng	99
12) 1,3-Dichlorobenzene	6.70	146	559222	43.436	ng	99
13) 1,4-Dichlorobenzene	6.77	146	565299	43.878	ng	99
14) 1,2-Dichlorobenzene	6.93	146	526203	44.784	ng	99
15) Benzyl Alcohol	6.90	79	417705	47.744	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.03	45	375365	43.271	ng	78
17) 2-Methylphenol	7.02	107	403557	46.339	ng	95
18) Hexachloroethane	7.26	117	201415	43.698	ng	95
19) n-Nitroso-di-n-propylamine	7.17	70	329503	46.713	ng	98
20) 3+4-Methylphenols	7.17	107	497493	46.627	ng	# 80
22) Acetophenone	7.17	105	657015	45.426	ng	97
24) Nitrobenzene	7.34	77	511517	43.690	ng	99
25) Isophorone	7.58	82	926231	45.047	ng	100
26) 2-Nitrophenol	7.66	139	285214	45.977	ng	97
27) 2,4-Dimethylphenol	7.70	122	414963	49.288	ng	96
28) bis(2-Chloroethoxy)methane	7.79	93	565401	42.247	ng	99
29) 2,4-Dichlorophenol	7.90	162	436887	44.080	ng	99
30) 1,2,4-Trichlorobenzene	7.98	180	494375	42.070	ng	99
31) Naphthalene	8.06	128	1423278	43.902	ng	99
32) Benzoic acid	7.85	122	287111	46.912	ng	97
33) 4-Chloroaniline	8.11	127	75115	5.387	ng	98
34) Hexachlorobutadiene	8.18	225	303705	41.491	ng	98
35) Caprolactam	8.49	113	80664	26.431	ng	98
36) 4-Chloro-3-methylphenol	8.61	107	449777	44.840	ng	96
37) 2-Methylnaphthalene	8.75	142	978217	44.837	ng	98
38) 1-Methylnaphthalene	8.85	142	910332	44.367	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.92	216	489085	43.062	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.90	237	314537	76.542	ng	95
43) 2,4,6-Trichlorophenol	9.03	196	322099	44.909	ng	99
44) 2,4,5-Trichlorophenol	9.08	196	338587	44.987	ng	94
46) 1,1'-Biphenyl	9.22	154	1179840	43.336	ng	99
47) 2-Chloronaphthalene	9.24	162	942688	42.967	ng	98
48) 2-Nitroaniline	9.34	65	253933	41.496	ng	94
49) Acenaphthylene	9.65	152	1436943	45.347	ng	100
50) Dimethylphthalate	9.52	163	1250069	48.529	ng	100
51) 2,6-Dinitrotoluene	9.58	165	258648	45.194	ng	99
52) Acenaphthene	9.83	154	842772	44.108	ng	100
53) 3-Nitroaniline	9.75	138	78593	12.387	ng	100
54) 2,4-Dinitrophenol	9.86	184	217911	78.498	ng	# 90
55) Dibenzofuran	10.00	168	1259489	44.163	ng	99
56) 4-Nitrophenol	9.93	139	327504	85.914	ng	99
57) 2,4-Dinitrotoluene	9.99	165	323046	43.548	ng	# 91
58) Fluorene	10.34	166	991810	44.755	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.12	232	278346	43.829	ng	100
60) Diethylphthalate	10.22	149	1088379	44.835	ng	99
61) 4-Chlorophenyl-phenylether	10.33	204	522498	44.543	ng	97
62) 4-Nitroaniline	10.36	138	229148	35.301	ng	99
63) Azobenzene	10.49	77	956570	45.334	ng	97
65) 4,6-Dinitro-2-methylphenol	10.40	198	178253	48.339	ng	95
66) n-Nitrosodiphenylamine	10.45	169	898784	45.043	ng	100
67) 4-Bromophenyl-phenylether	10.82	248	351465	44.122	ng	97
68) Hexachlorobenzene	10.89	284	392665	42.755	ng	96
69) Atrazine	10.98	200	320700	46.000	ng	100
70) Pentachlorophenol	11.09	266	346189	93.576	ng	99
71) Phenanthrene	11.30	178	1448970	43.599	ng	99
72) Anthracene	11.35	178	1509320	45.453	ng	100
73) Carbazole	11.50	167	1272925	43.030	ng	99
74) Di-n-butylphthalate	11.83	149	1637267	45.702	ng	99
75) Fluoranthene	12.49	202	1448701	41.067	ng	99
77) Benzidine	12.60	184	404366	25.744	ng	97
78) Pyrene	12.71	202	1425680	45.970	ng	100
80) Butylbenzylphthalate	13.33	149	633230	48.514	ng	95
81) Benzo(a)anthracene	13.90	228	1115693	42.396	ng	99
82) 3,3'-Dichlorobenzidine	13.86	252	240944	23.579	ng	99
83) Chrysene	13.93	228	1110189	42.339	ng	99
84) Bis(2-ethylhexyl)phthalate	13.89	149	859631	52.130	ng	99
85) Di-n-octyl phthalate	14.50	149	1339737	50.992	ng	100
86) Indeno(1,2,3-cd)pyrene	16.75	276	1271561	50.082	ng	98
88) Benzo(b)fluoranthene	14.93	252	1049107	41.824	ng	99
89) Benzo(k)fluoranthene	14.96	252	1088226	46.814	ng	99
90) Benzo(a)pyrene	15.28	252	978437	43.220	ng	99
91) Dibenzo(a,h)anthracene	16.76	278	1059803	53.205	ng	98
92) Benzo(g,h,i)perylene	17.17	276	1100913	55.937	ng	98

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

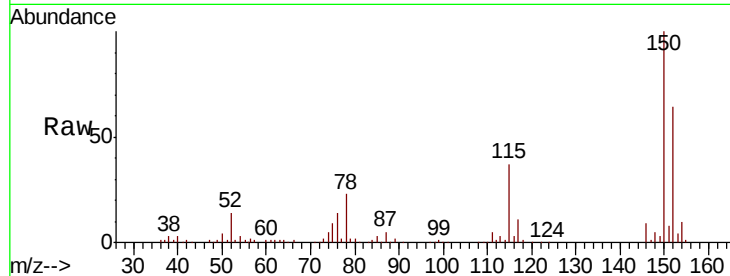


#1

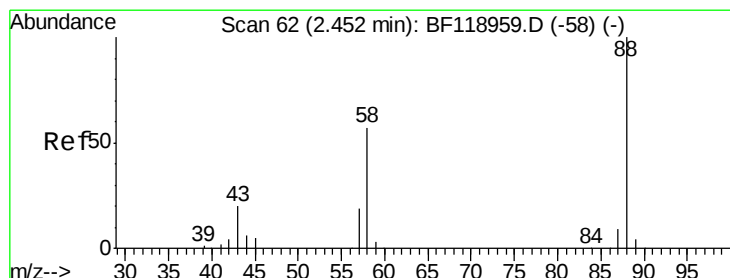
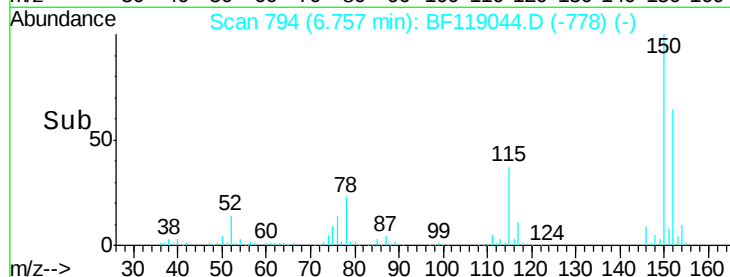
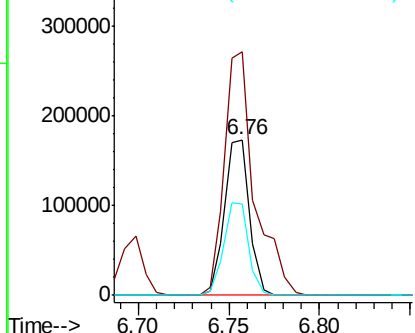
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 166340
Ion Ratio Lower Upper
152 100
150 156.4 124.3 186.5
115 58.4 44.6 67.0



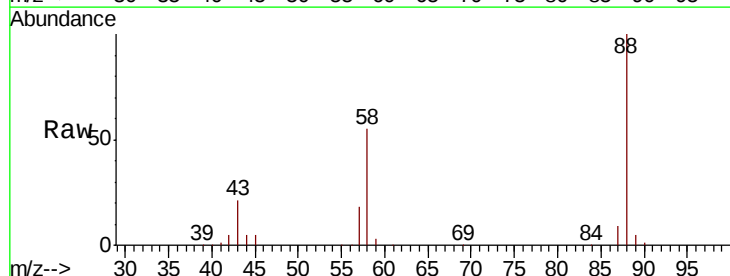
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



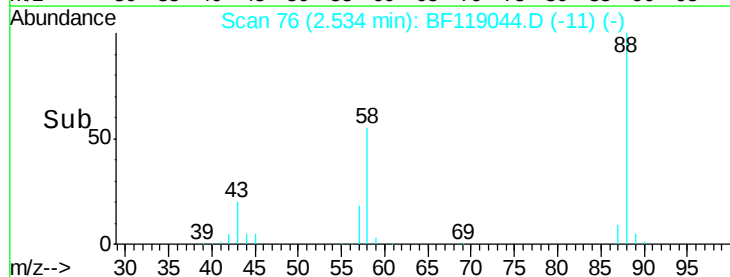
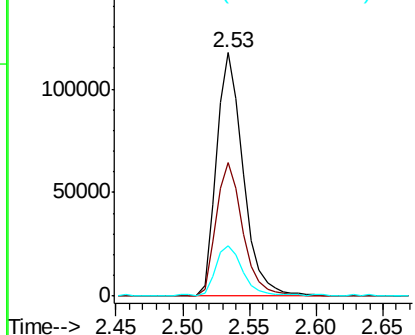
#2

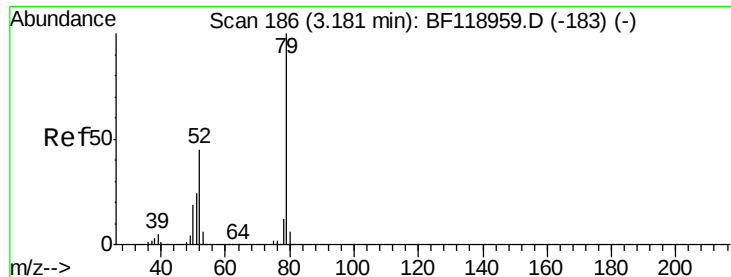
1,4-Dioxane
Concen: 37.521 ng
RT: 2.53 min Scan# 76
Delta R.T. 0.08 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion: 88 Resp: 166279
Ion Ratio Lower Upper
88 100
58 55.2 44.6 66.8
43 22.2 16.0 24.0



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: 35.180 ng

RT: 3.27 min Scan# 201

Delta R.T. 0.09 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampleId :

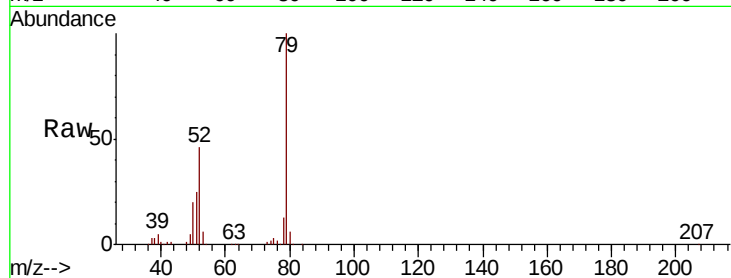
Tot Ion: 79 Resp: 425775

Ion Ratio Lower Upper

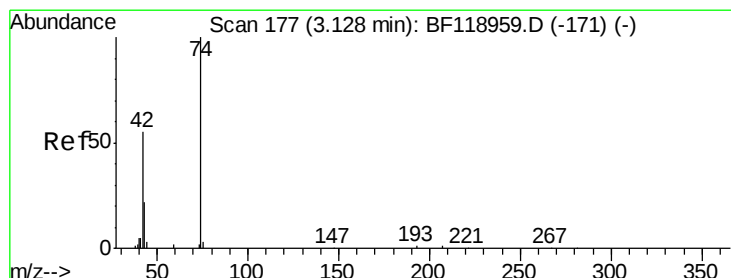
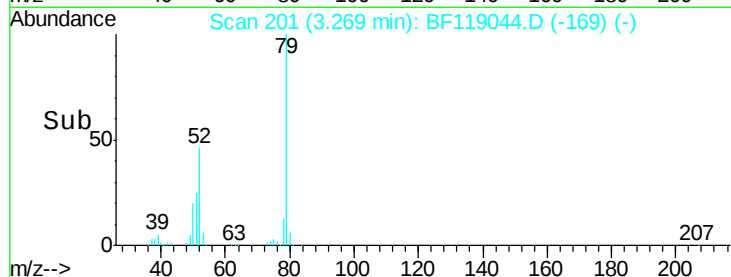
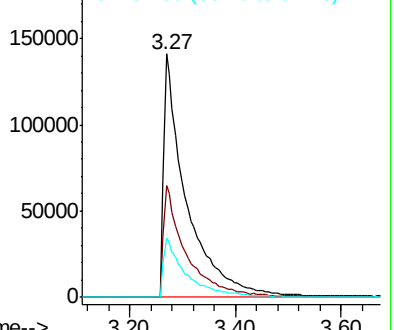
79 100

52 45.7 36.3 54.5

51 24.6 19.5 29.3



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



#4

n-Nitrosodimethylamine

Concen: 45.581 ng

RT: 3.20 min Scan# 190

Delta R.T. 0.08 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

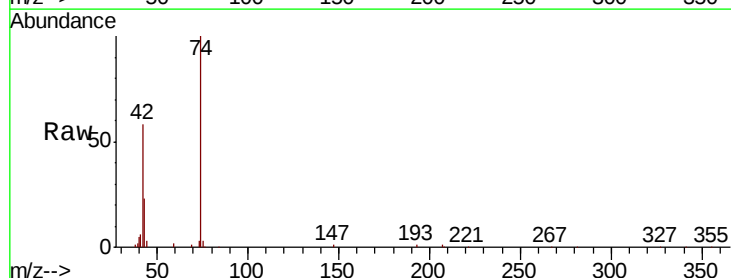
Tgt Ion: 42 Resp: 167114

Ion Ratio Lower Upper

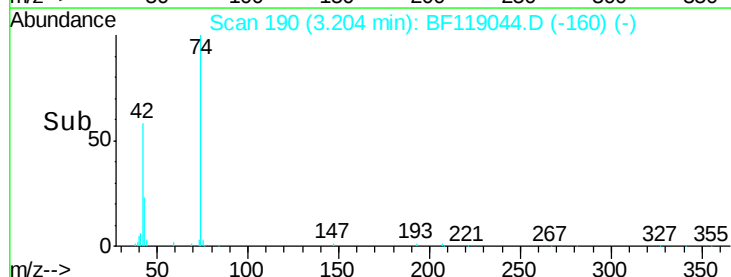
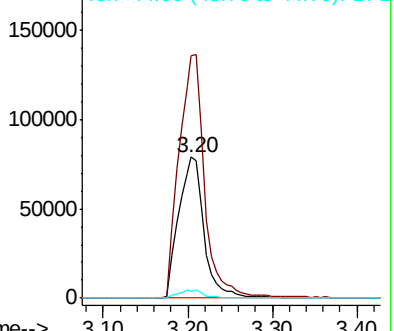
42 100

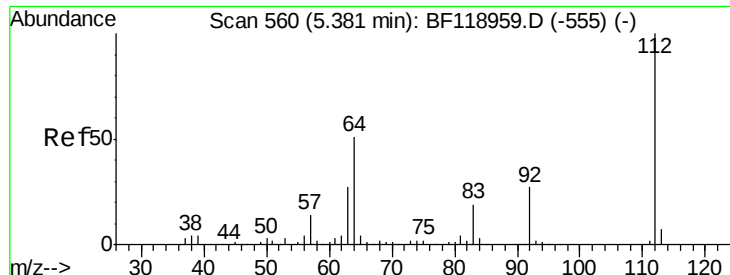
74 171.7 144.4 216.6

44 5.1 4.5 6.7



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





#5

2-Fluorophenol

Concen: 103.688 ng

RT: 5.39 min Scan# 562

Delta R.T. 0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :

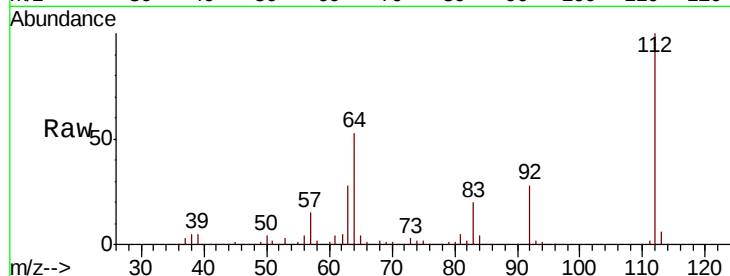
Tot Ion:112 Resp: 1032058

Ion Ratio Lower Upper

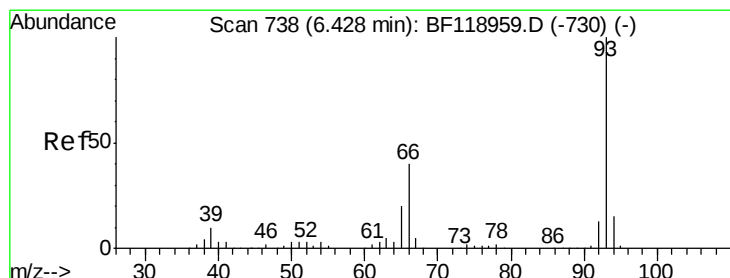
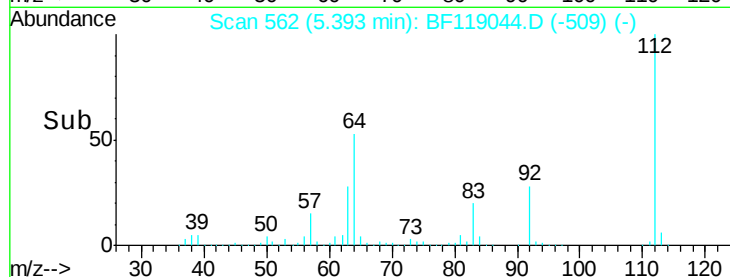
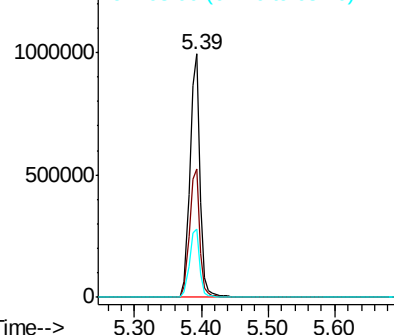
112 100

64 52.6 40.4 60.6

63 27.9 21.3 31.9



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: 15.590 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

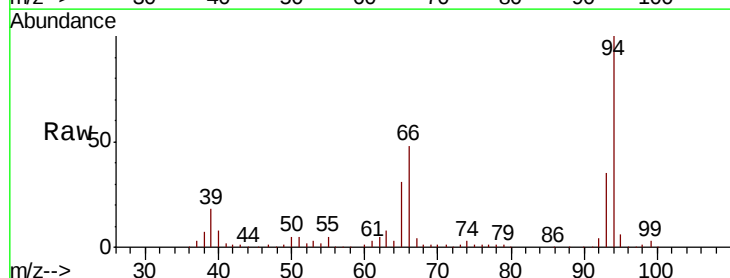
Tgt Ion: 93 Resp: 232873

Ion Ratio Lower Upper

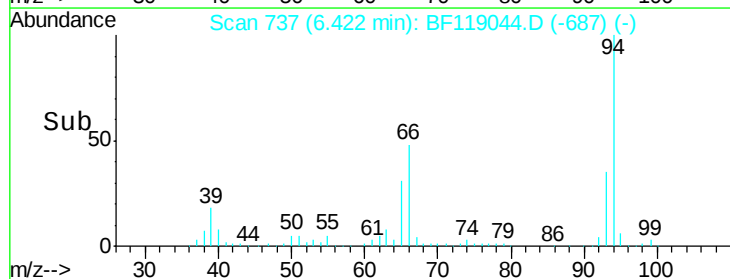
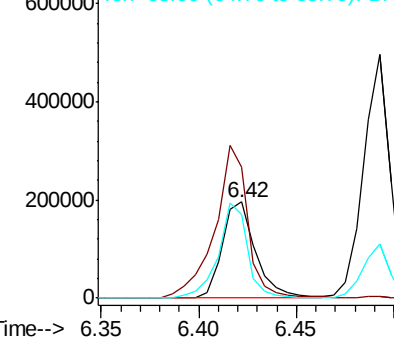
93 100

66 136.7 32.2 48.2#

65 87.5 16.1 24.1#



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: 103.177 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampleId :

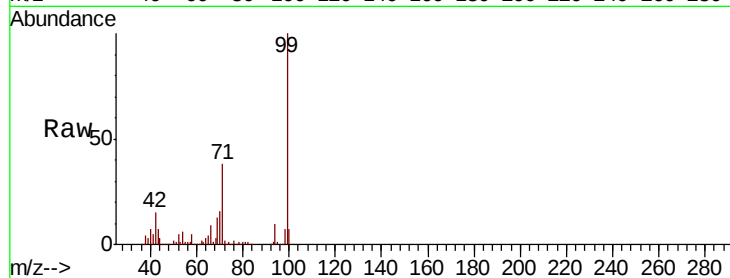
Tot Ion: 99 Resp: 1248983

Ion Ratio Lower Upper

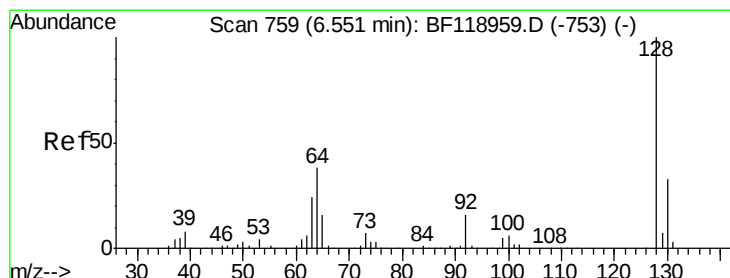
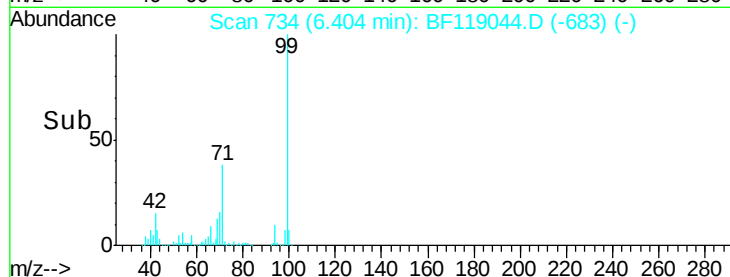
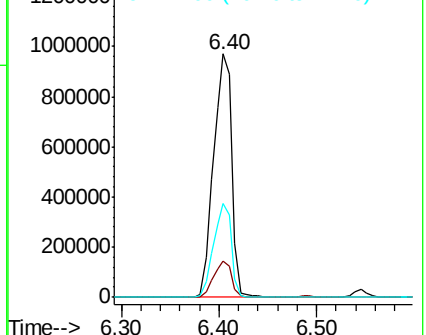
99 100

42 14.8 11.4 17.0

71 38.4 29.8 44.6



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: 47.715 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

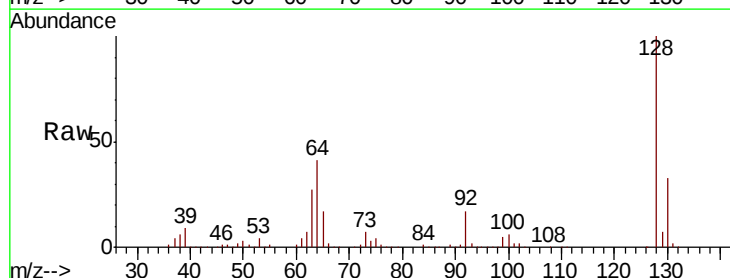
Tgt Ion: 128 Resp: 512540

Ion Ratio Lower Upper

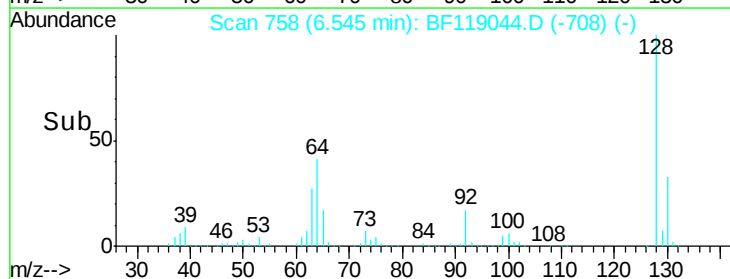
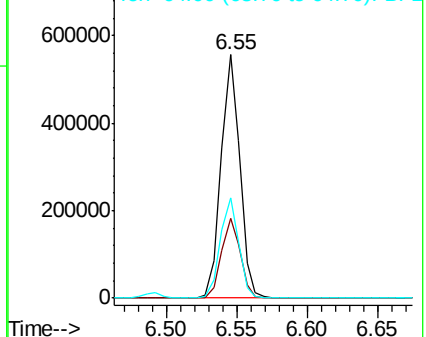
128 100

130 32.9 12.7 52.7

64 41.4 18.7 58.7



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: 26.795 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampleId :

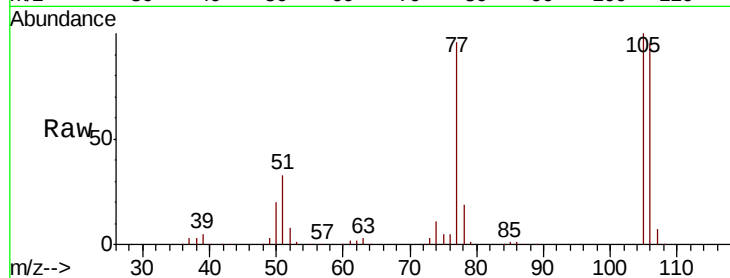
Tot Ion: 77 Resp: 216707

Ion Ratio Lower Upper

77 100

105 103.8 83.0 123.0

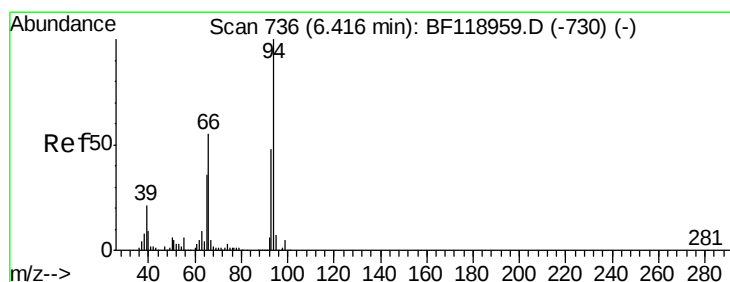
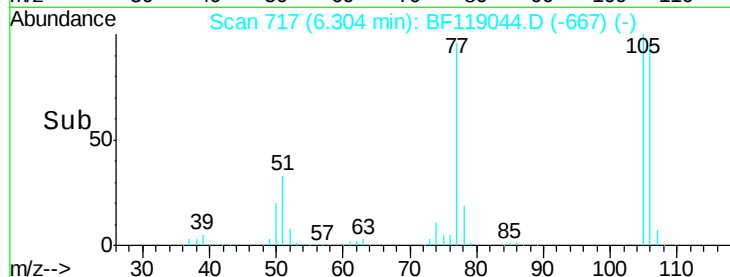
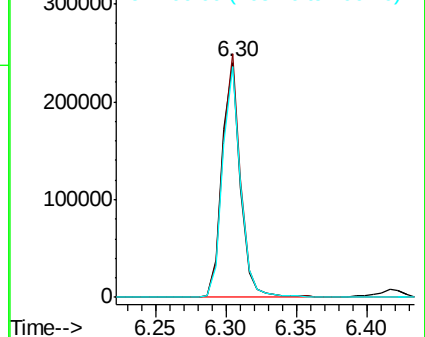
106 98.5 78.3 118.3



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 44.356 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

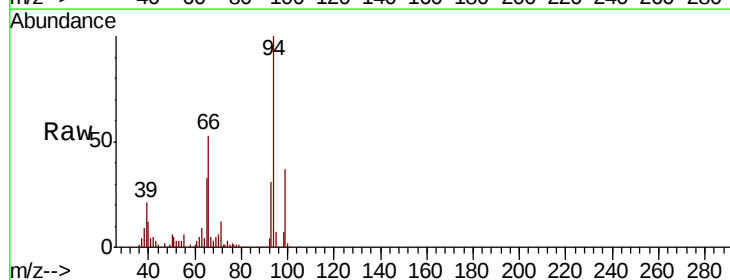
Tgt Ion: 94 Resp: 580531

Ion Ratio Lower Upper

94 100

65 33.2 15.5 55.5

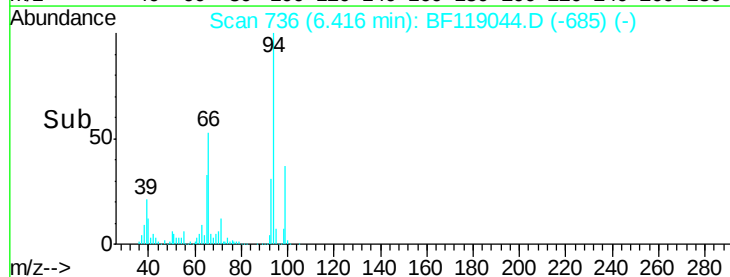
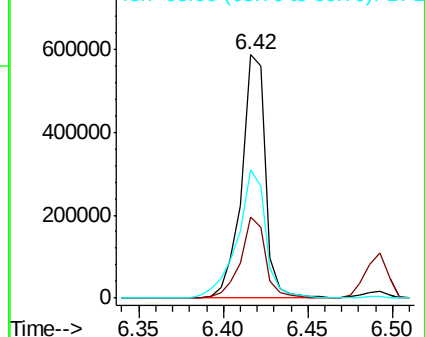
66 52.9 35.6 75.6

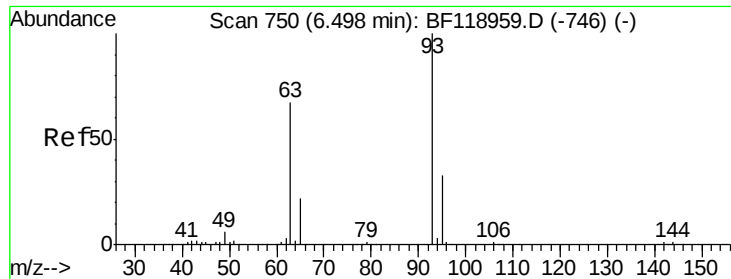


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

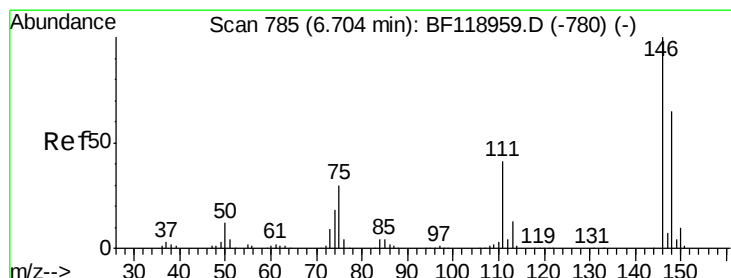
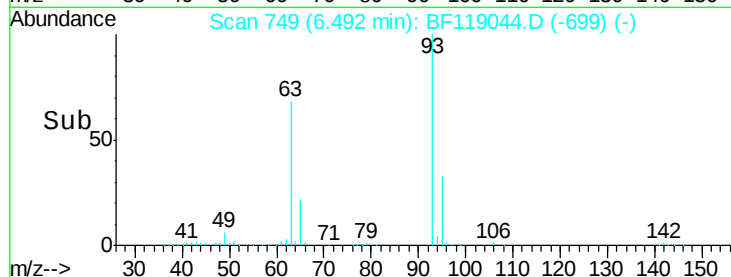
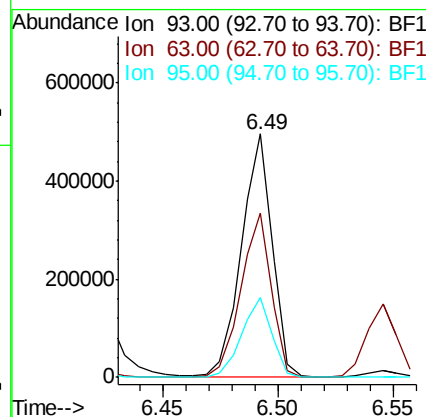
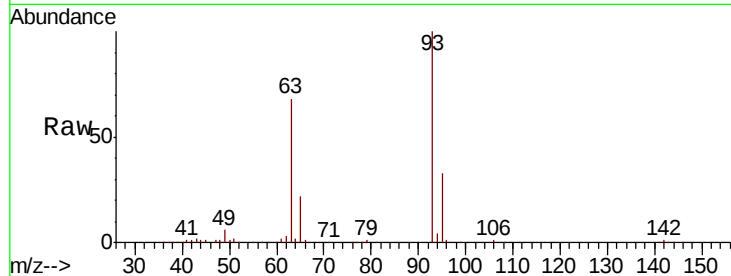




#11
bis(2-Chloroethyl)ether
Concen: 45.798 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

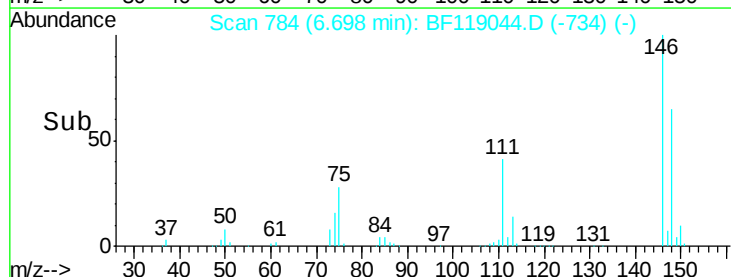
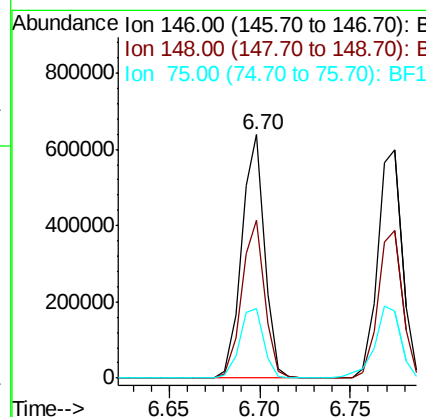
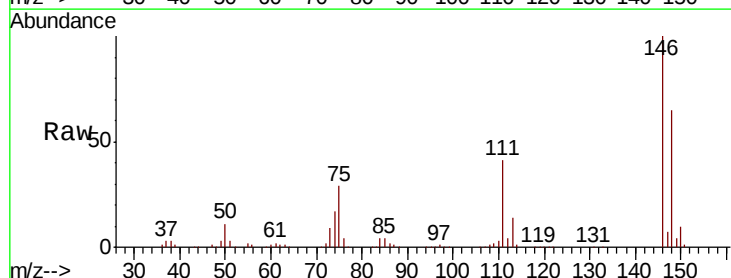
Instrument :
BNA_F
ClientSampleId :

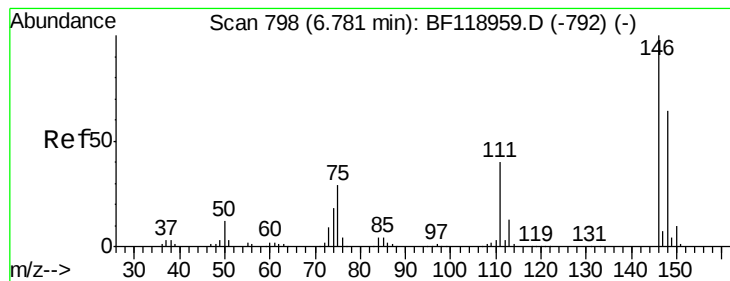
Tot Ion	Ratio	Lower	Upper
93	100		
63	67.5	46.8	86.8
95	32.8	12.7	52.7



#12
1,3-Dichlorobenzene
Concen: 43.436 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.7	77.5
75	28.8	23.6	35.4





#13

1,4-Dichlorobenzene

Concen: 43.878 ng

RT: 6.77 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampled :

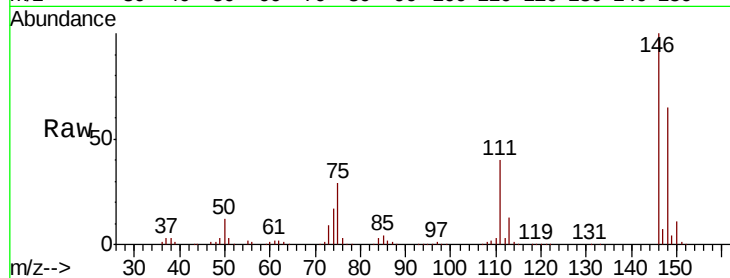
Tot Ion:146 Resp: 565299

Ion Ratio Lower Upper

146 100

148 65.1 51.4 77.2

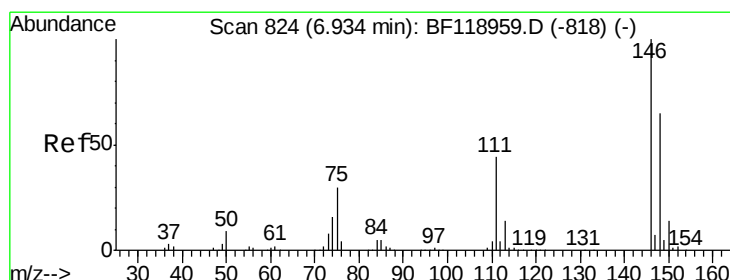
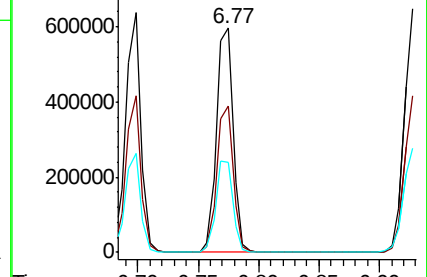
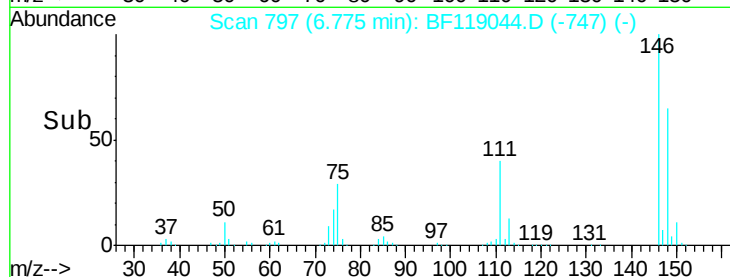
111 40.3 31.9 47.9



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 44.784 ng

RT: 6.93 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

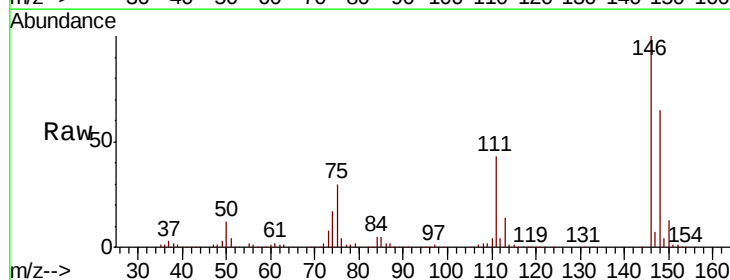
Tgt Ion:146 Resp: 526203

Ion Ratio Lower Upper

146 100

148 64.5 52.1 78.1

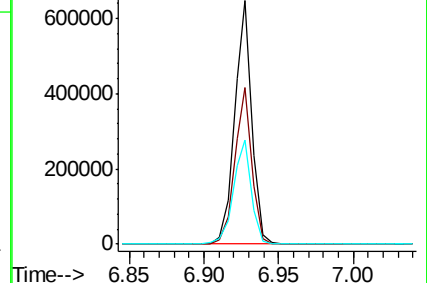
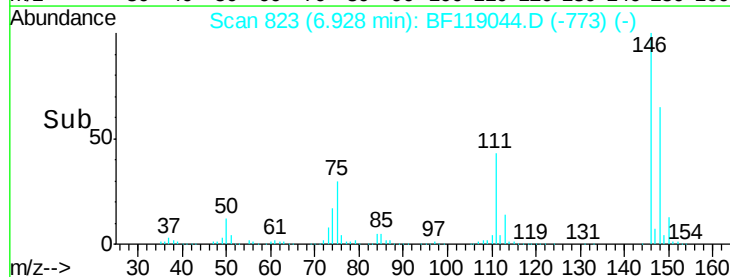
111 42.8 35.5 53.3



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 47.744 ng

RT: 6.90 min Scan# 819

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampled :

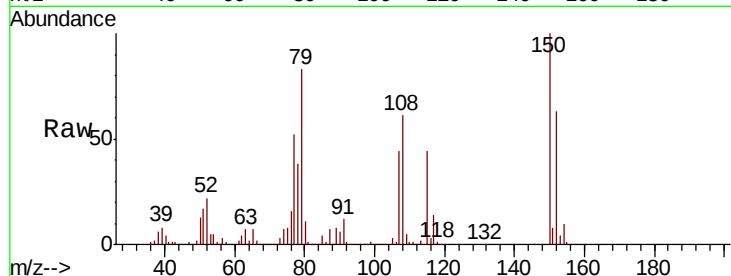
Tot Ion: 79 Resp: 417705

Ion Ratio Lower Upper

79 100

108 73.3 61.1 91.7

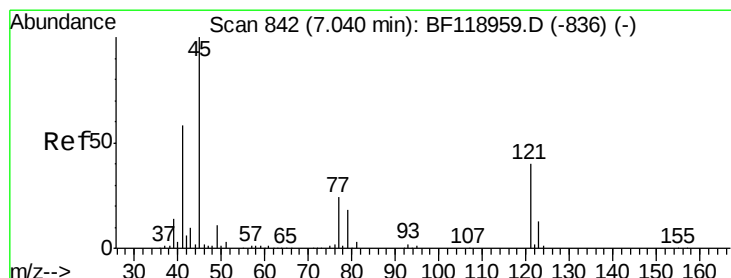
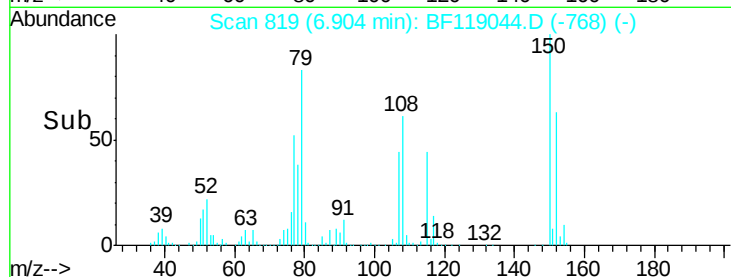
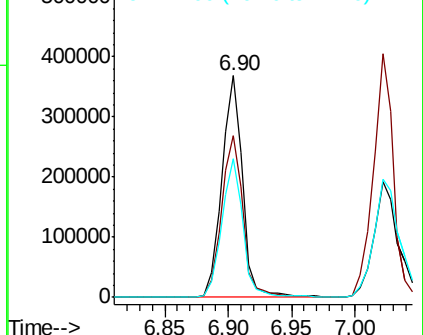
77 62.8 50.2 75.2



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.271 ng

RT: 7.03 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

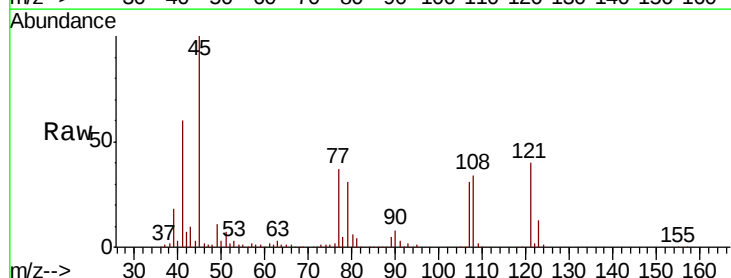
Tgt Ion: 45 Resp: 375365

Ion Ratio Lower Upper

45 100

77 37.2 6.1 46.1

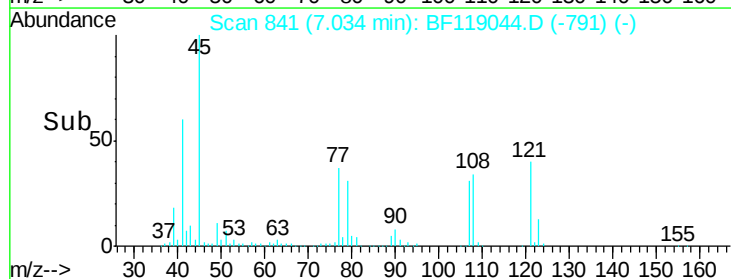
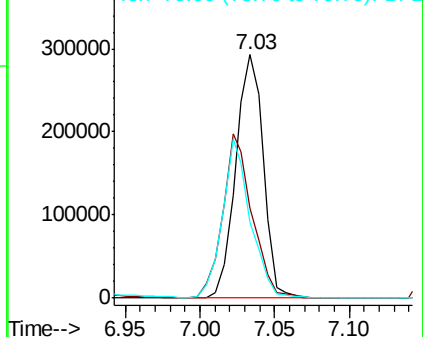
79 31.0 0.5 40.5

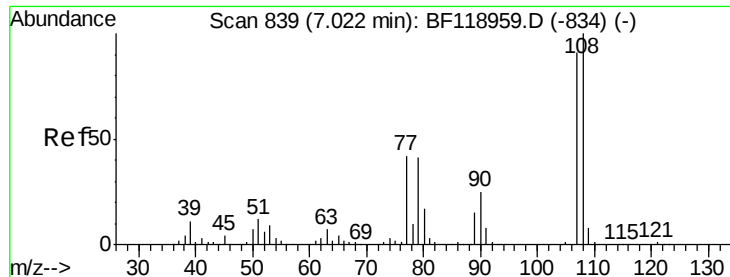


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

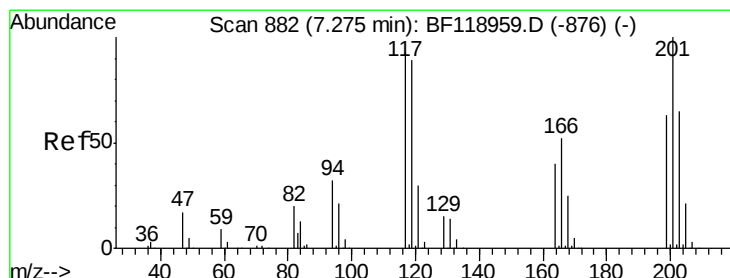
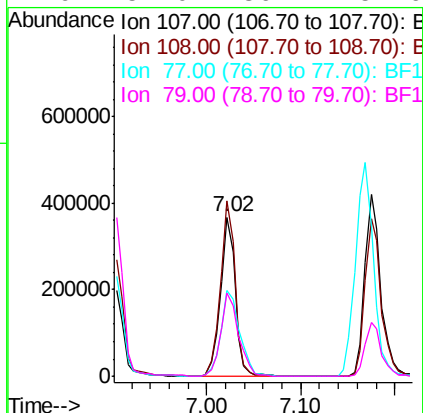
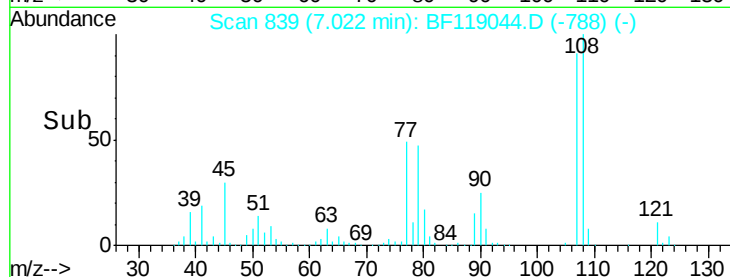
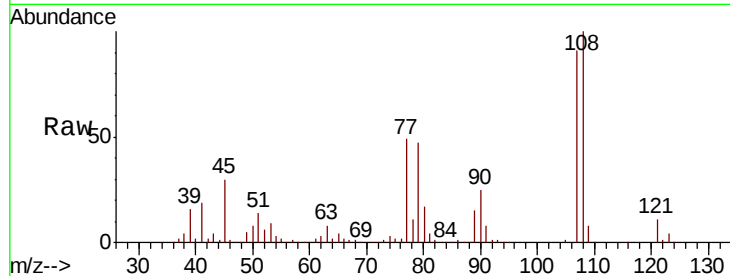




#17
2-Methylphenol
Concen: 46.339 ng
RT: 7.02 min Scan# 839
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

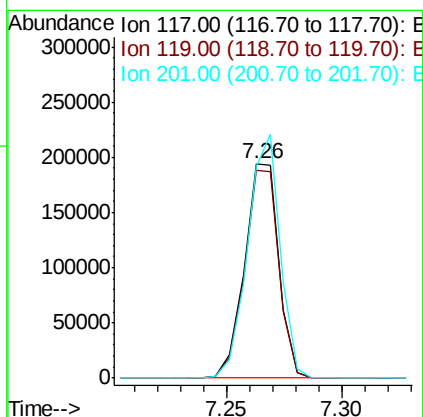
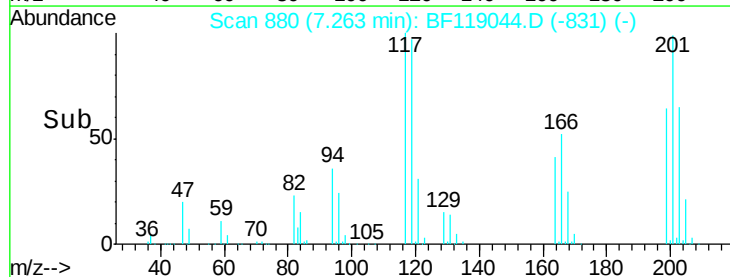
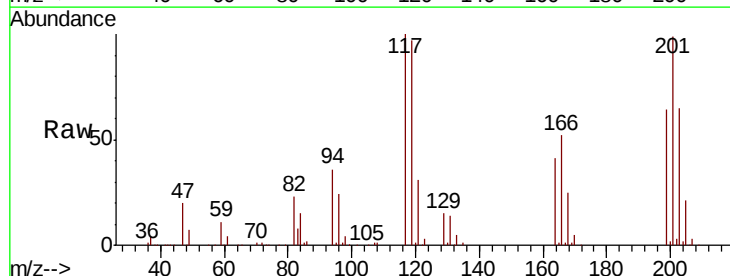
Instrument :
BNA_F
ClientSampleId :

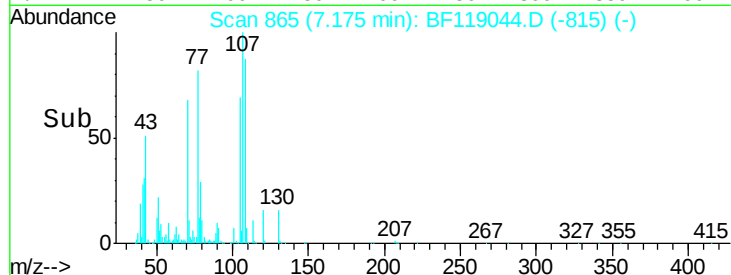
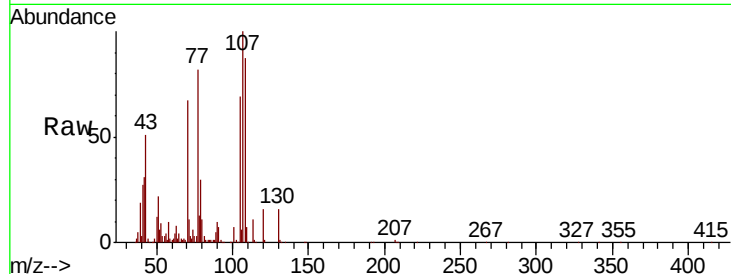
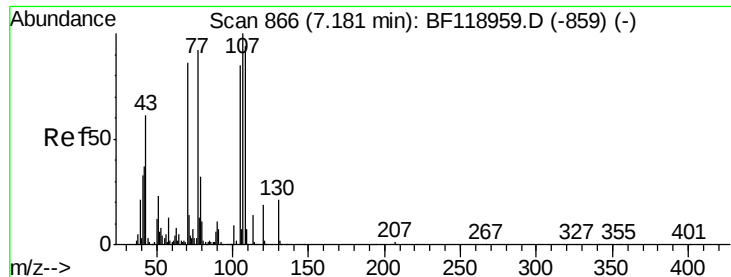
Tot Ion	Ratio	Lower	Upper
107	100		
108	109.9	87.7	131.5
77	53.5	36.8	55.2
79	52.0	36.4	54.6



#18
Hexachloroethane
Concen: 43.698 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.0	115.6
201	98.6	86.4	129.6

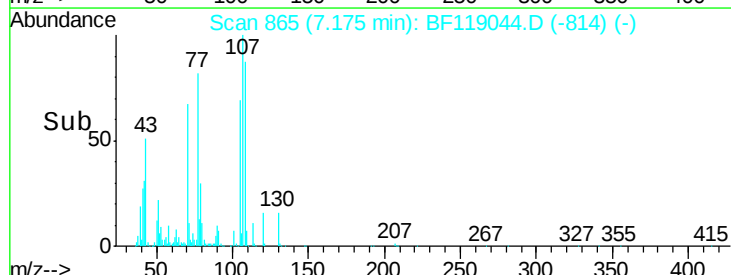
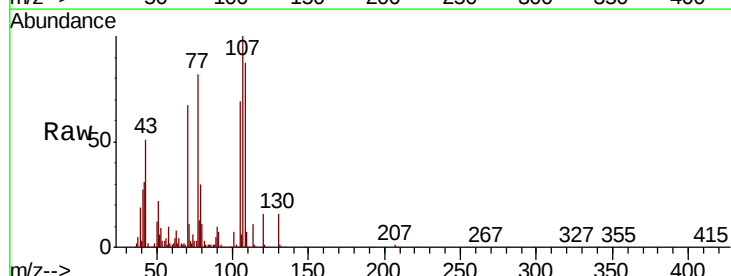
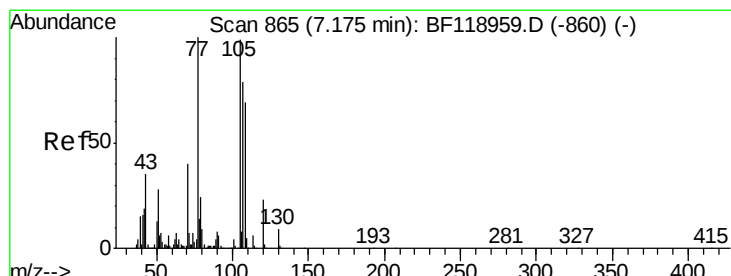
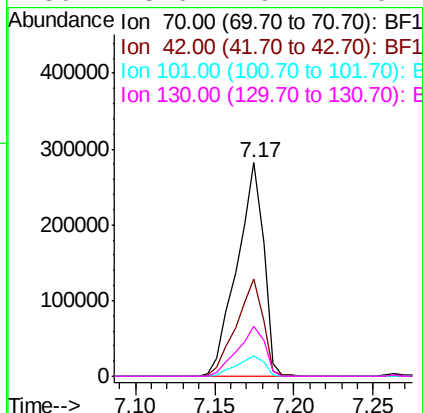




#19
n-Nitroso-di-n-propylamine
Concen: 46.713 ng
RT: 7.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

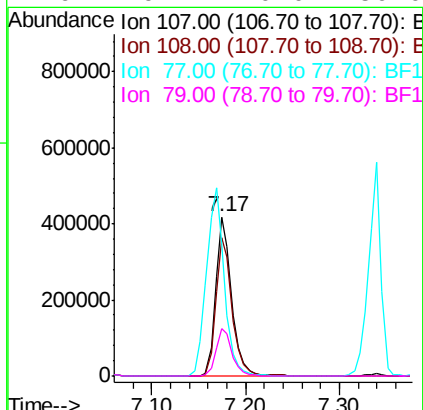
Instrument :
BNA_F
ClientSampleId :

Tot Ion:	70	Resp:	329503
Ion	Ratio	Lower	Upper
70	100		
42	45.5	34.6	51.8
101	9.8	8.1	12.1
130	23.6	19.4	29.2



#20
3+4-Methylphenols
Concen: 46.627 ng
RT: 7.17 min Scan# 865
Delta R.T. 0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion:	107	Resp:	497493
Ion	Ratio	Lower	Upper
107	100		
108	87.1	67.0	107.0
77	82.4	106.2	146.2#
79	29.7	10.0	50.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 625116

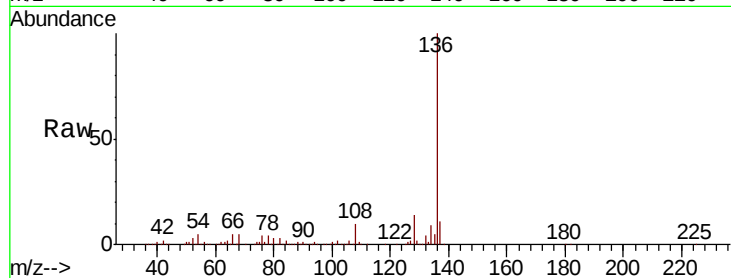
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 4.7 3.8 5.6

68 4.9 4.2 6.2

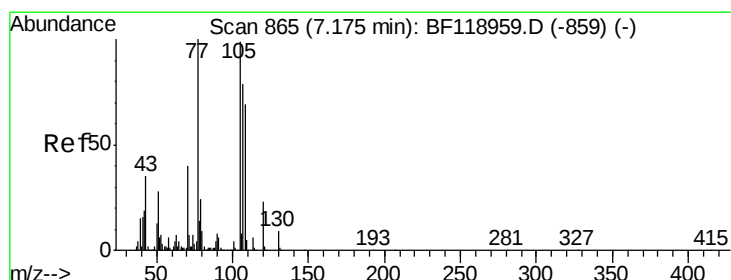
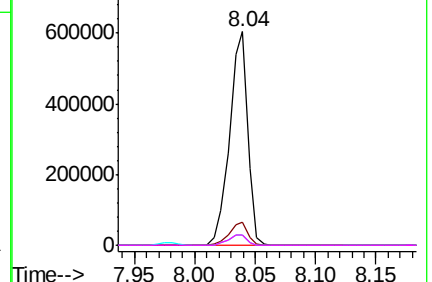
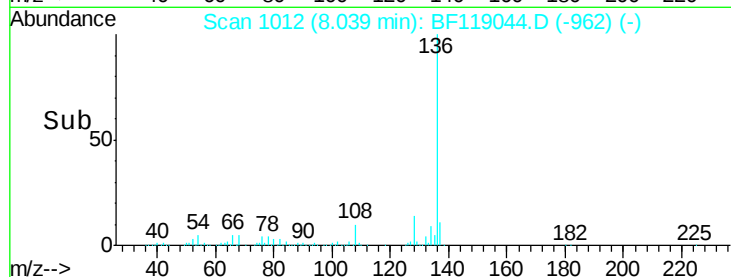


Abundance Ion 136.00 (135.70 to 136.70): E

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: 45.426 ng

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Tgt Ion:105 Resp: 657015

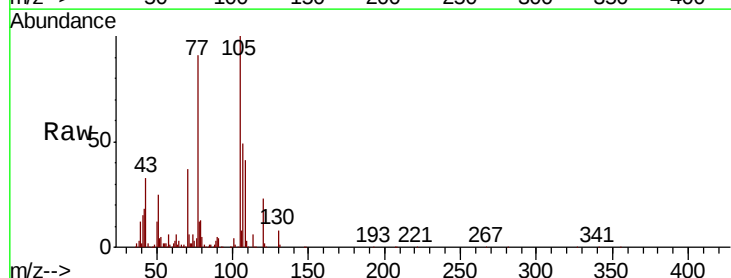
Ion Ratio Lower Upper

105 100

71 6.2 5.4 8.0

51 25.1 22.5 33.7

120 23.0 18.4 27.6

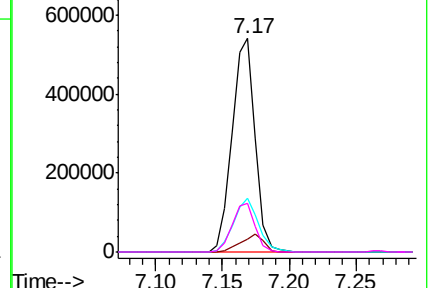
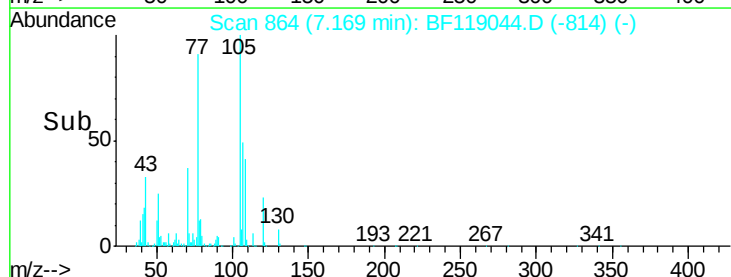


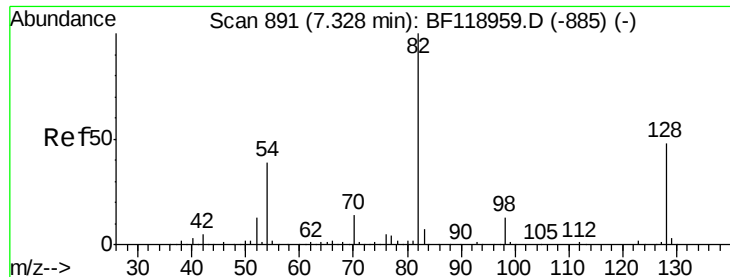
Abundance Ion 105.00 (104.70 to 105.70): E

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

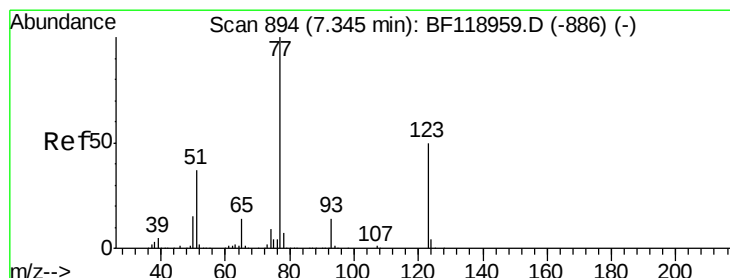
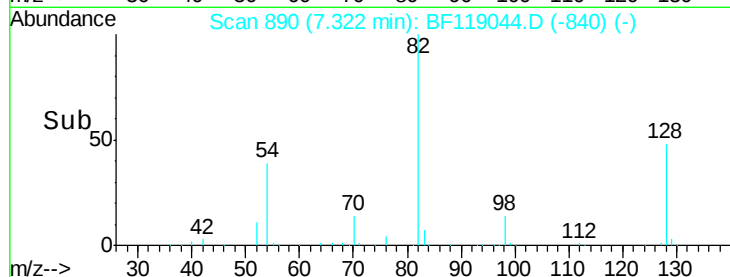
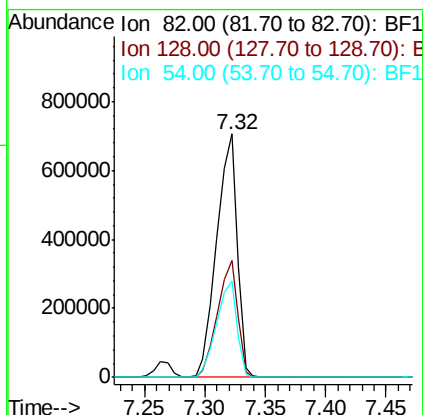
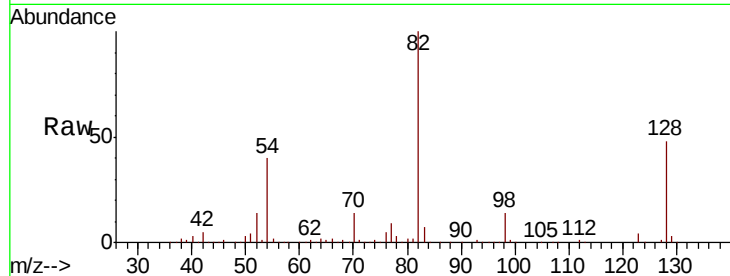




#23
Nitrobenzene-d5
Concen: 69.964 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

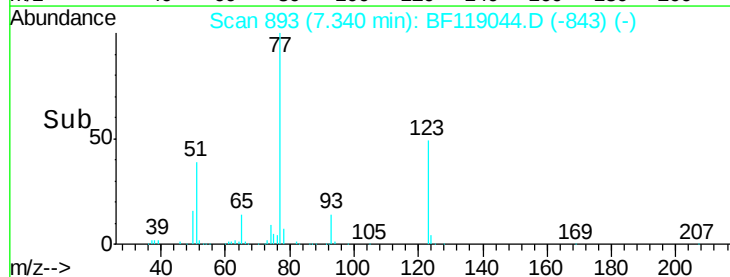
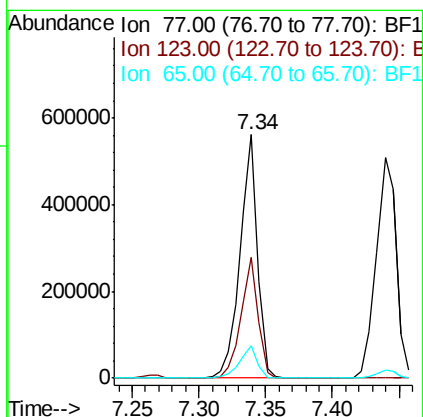
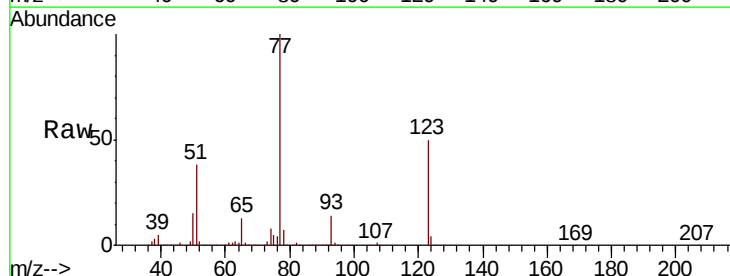
Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.8	38.2	57.2
54	39.8	31.3	46.9



#24
Nitrobenzene
Concen: 43.690 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
77	100		
123	49.6	40.1	60.1
65	13.3	10.9	16.3

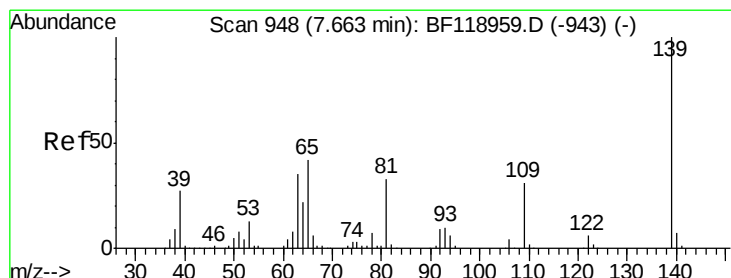
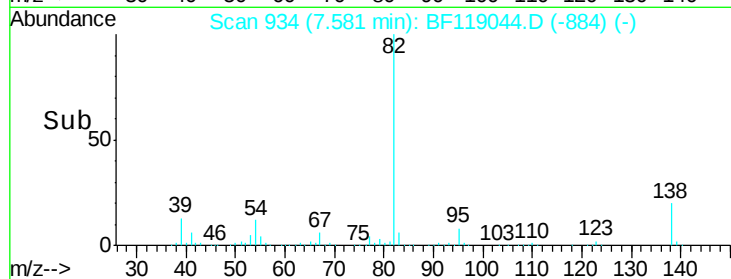
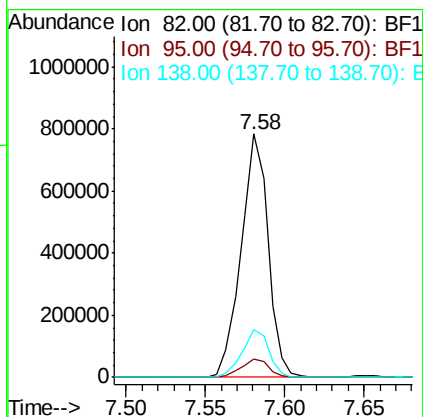
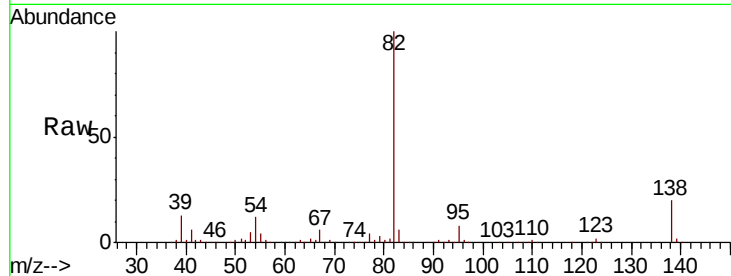




#25
Isophorone
Concen: 45.047 ng
RT: 7.58 min Scan# 934
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

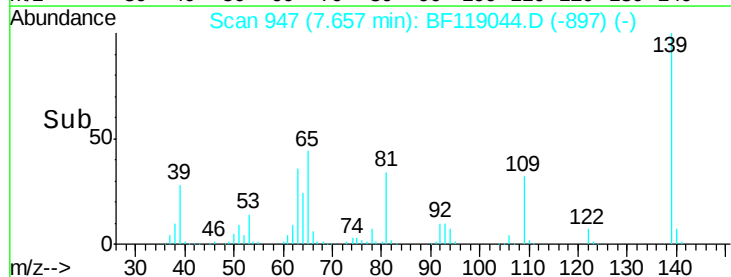
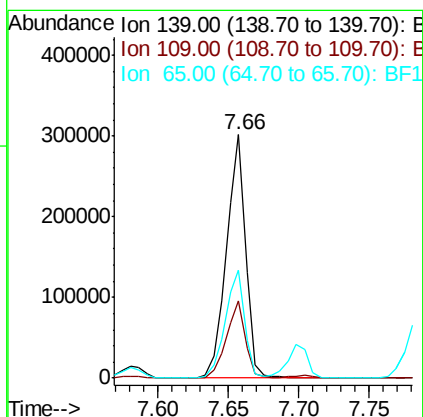
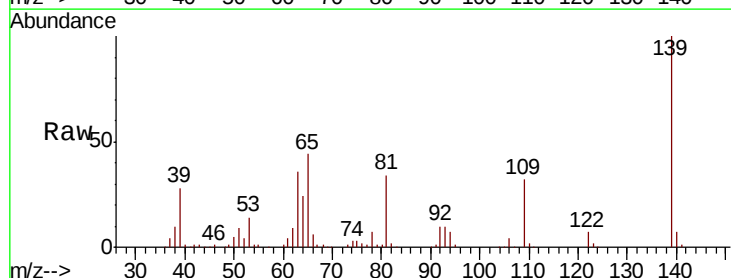
Instrument :
BNA_F
ClientSampleId :

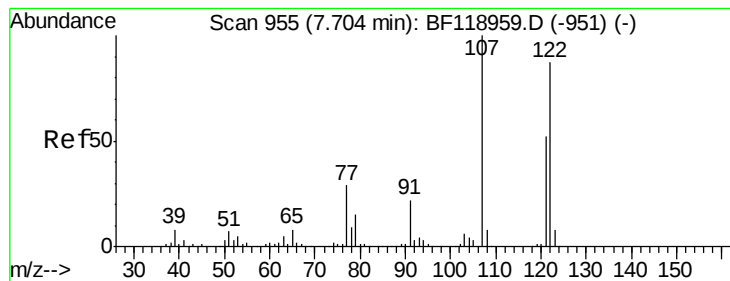
Tot Ion: 82 Resp: 926231
Ion Ratio Lower Upper
82 100
95 7.7 6.1 9.1
138 19.6 15.8 23.6



#26
2-Nitrophenol
Concen: 45.977 ng
RT: 7.66 min Scan# 947
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion: 139 Resp: 285214
Ion Ratio Lower Upper
139 100
109 31.5 24.6 36.8
65 44.3 33.6 50.4





#27

2,4-Dimethylphenol

Concen: 49.288 ng

RT: 7.70 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampleId :

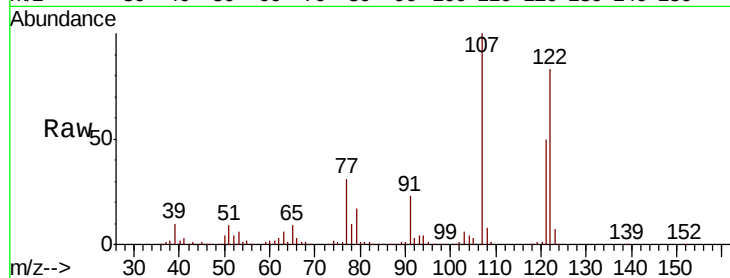
Tot Ion:122 Resp: 414963

Ion Ratio Lower Upper

122 100

107 120.3 91.8 137.8

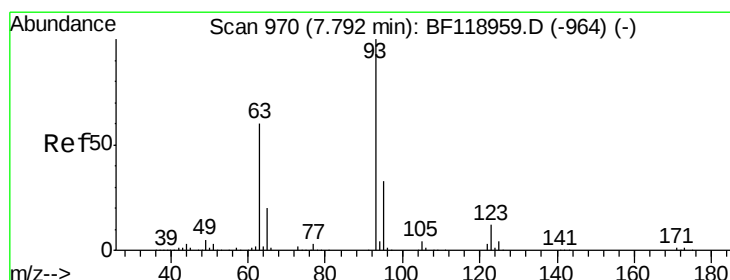
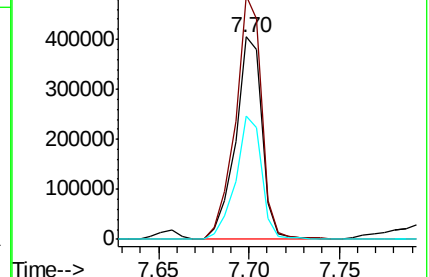
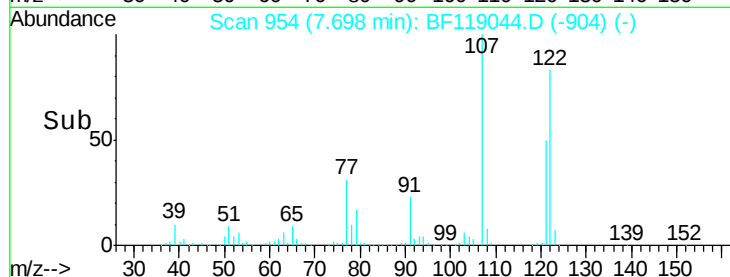
121 60.7 47.4 71.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 42.247 ng

RT: 7.79 min Scan# 969

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

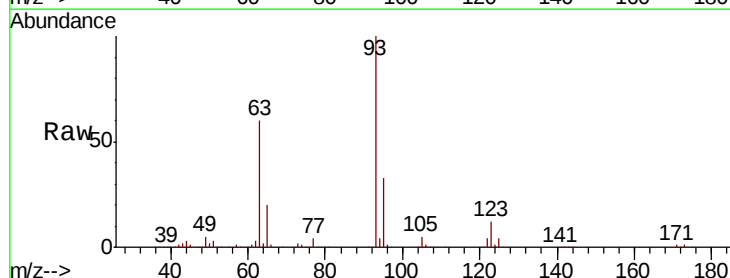
Tgt Ion: 93 Resp: 565401

Ion Ratio Lower Upper

93 100

95 33.3 26.3 39.5

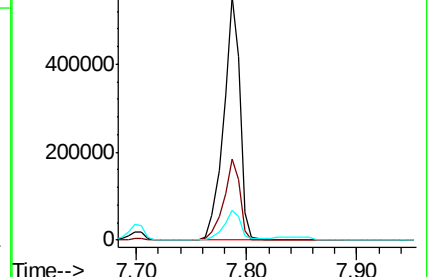
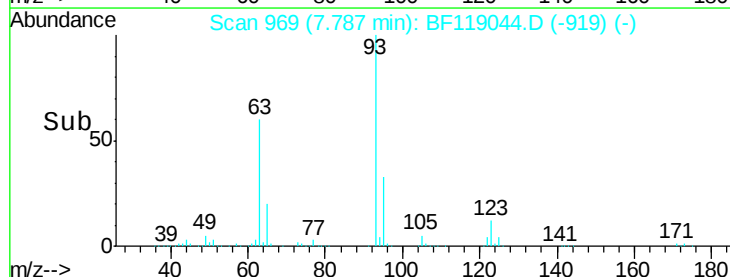
123 12.3 9.8 14.8

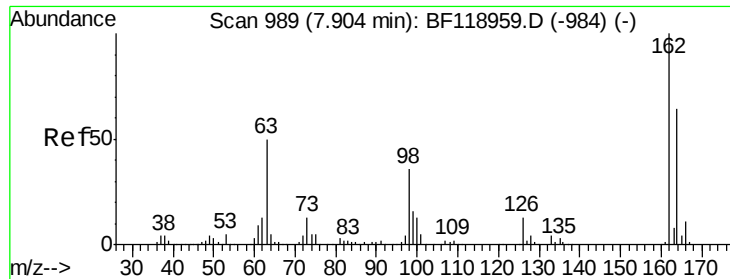


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

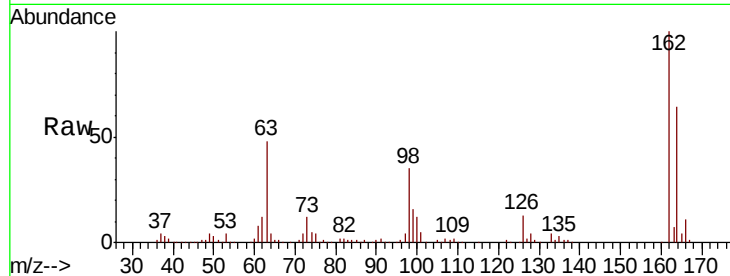




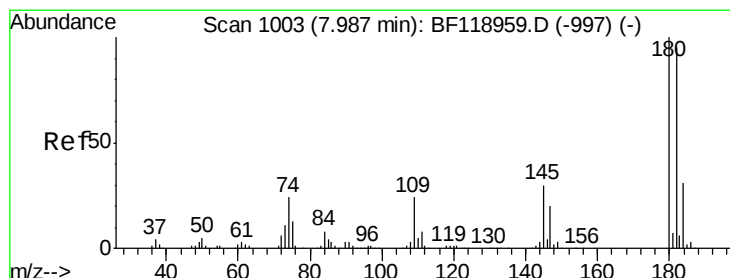
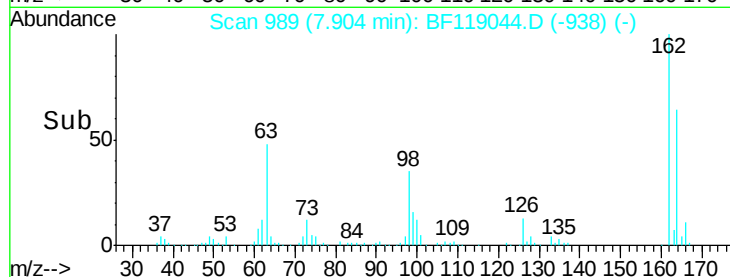
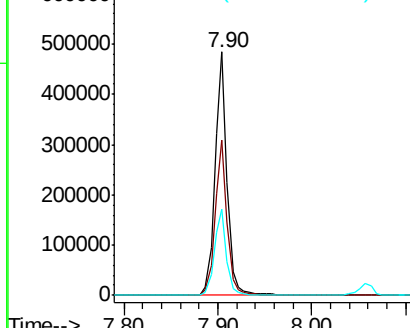
#29
2,4-Dichlorophenol
Concen: 44.080 ng
RT: 7.90 min Scan# 989
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.1	84.1
98	35.4	16.4	56.4

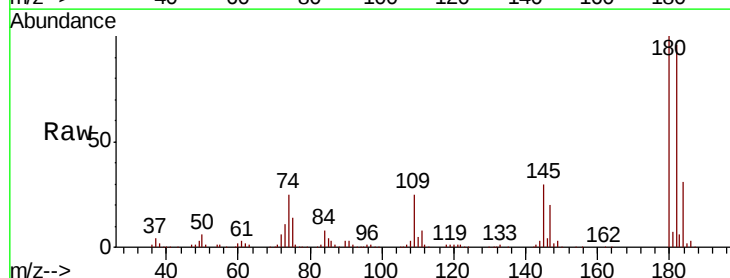


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

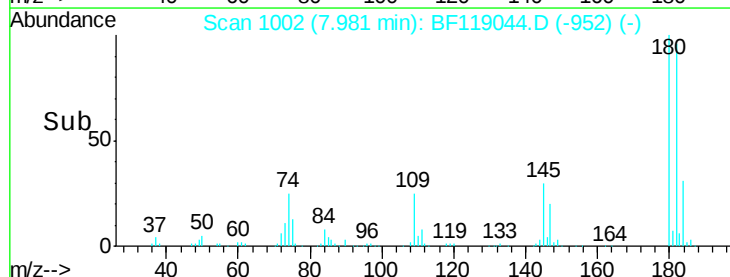
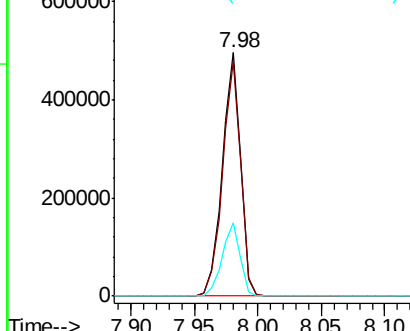


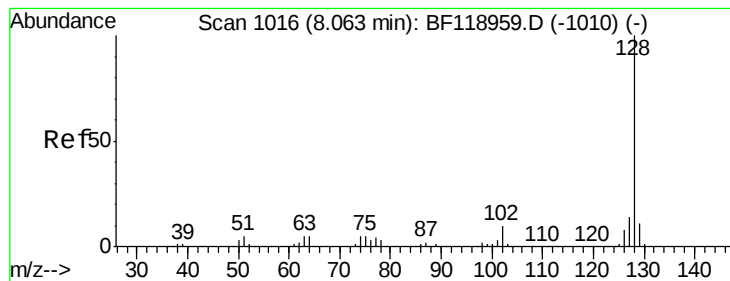
#30
1,2,4-Trichlorobenzene
Concen: 42.070 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.8	113.8
145	30.2	24.2	36.2



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: 43.902 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampleId :

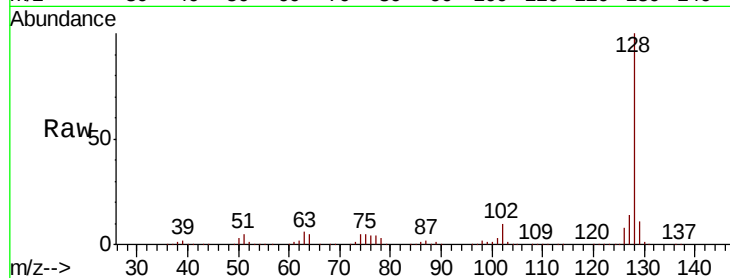
Tot Ion:128 Resp: 1423278

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.4

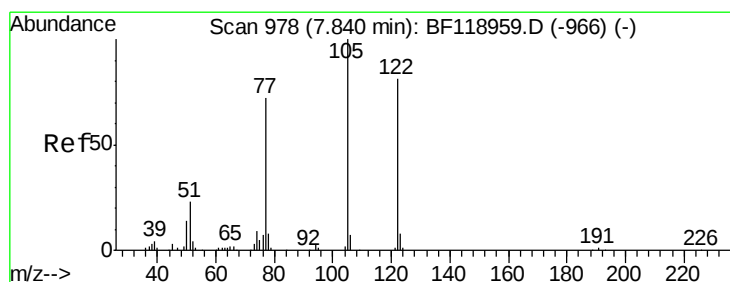
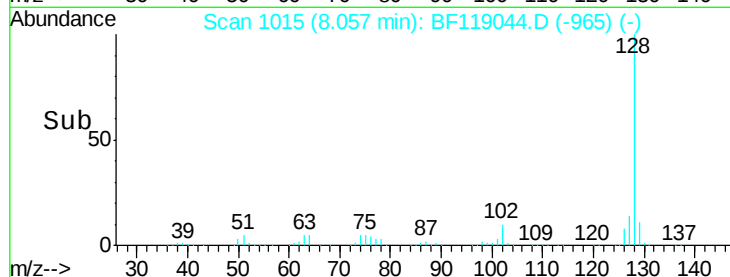
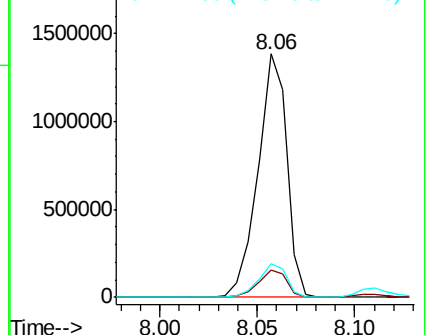
127 13.9 10.9 16.3



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: 46.912 ng

RT: 7.85 min Scan# 980

Delta R.T. 0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

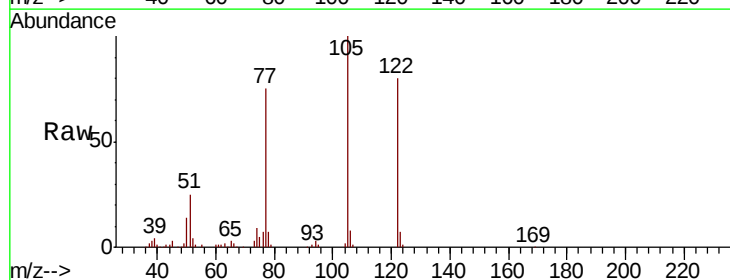
Tgt Ion:122 Resp: 287111

Ion Ratio Lower Upper

122 100

105 124.4 102.2 142.2

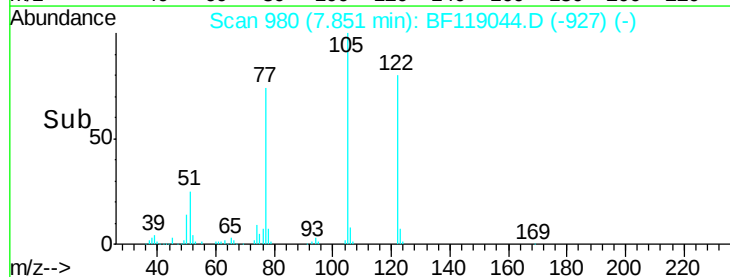
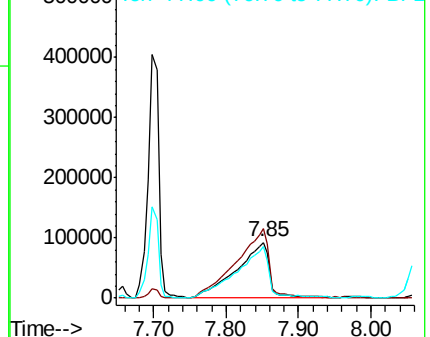
77 93.3 68.6 108.6

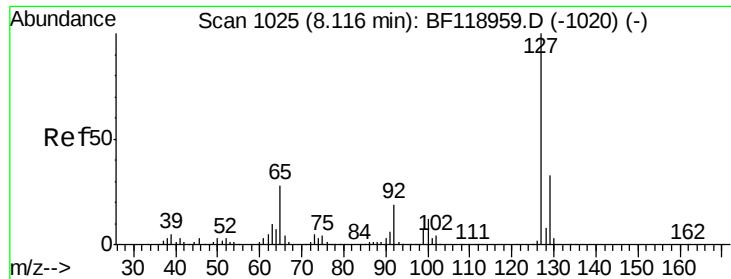


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

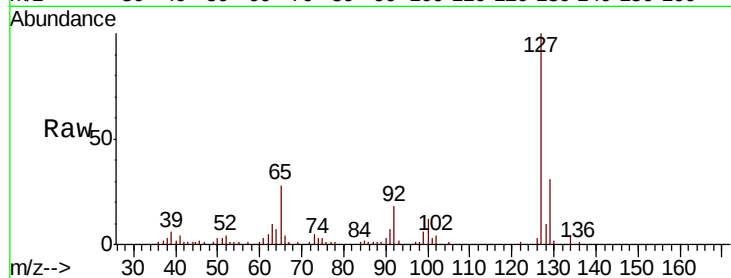




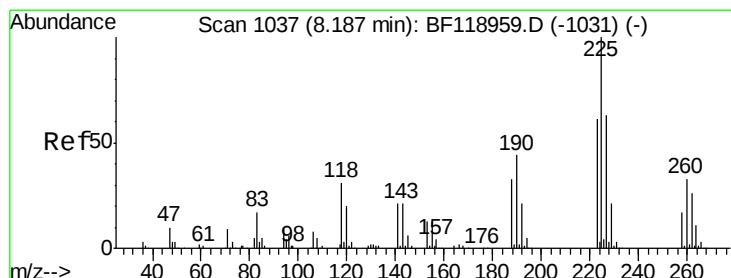
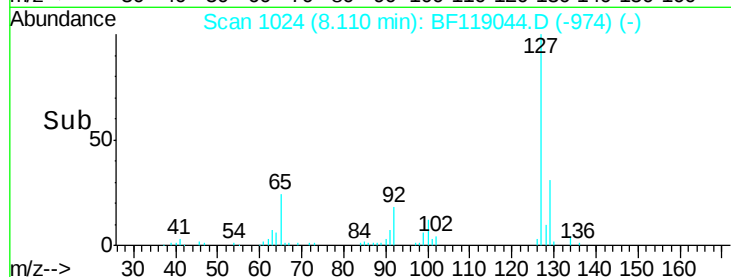
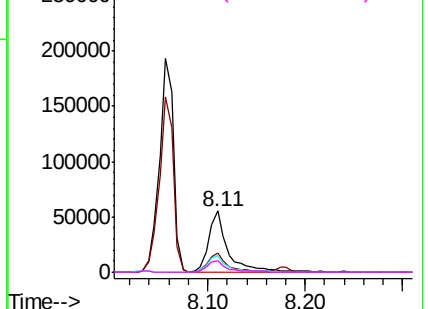
#33
4-Chloroaniline
Concen: 5.387 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:	127	Resp:	75115
Ion	Ratio	Lower	Upper
127	100		
129	31.1	26.2	39.2
65	27.6	22.0	33.0
92	18.3	15.5	23.3

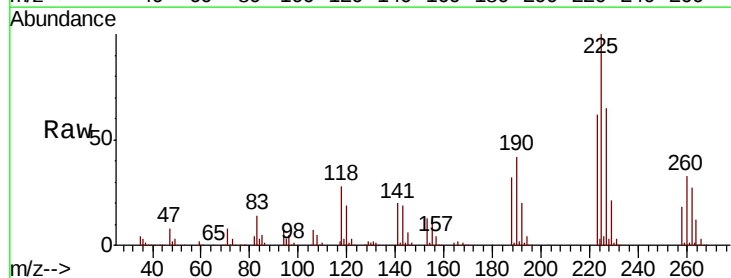


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

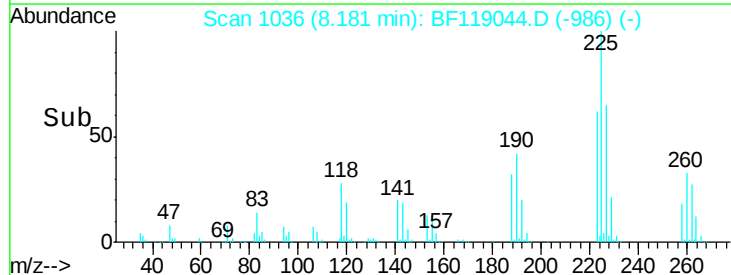
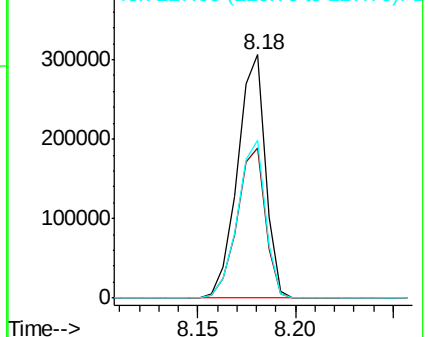


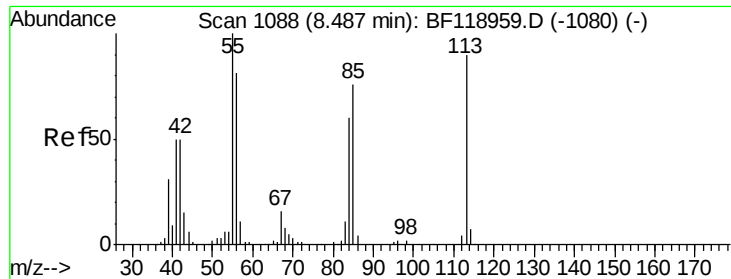
#34
Hexachlorobutadiene
Concen: 41.491 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion:	225	Resp:	303705
Ion	Ratio	Lower	Upper
225	100		
223	61.6	48.9	73.3
227	65.1	50.4	75.6



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

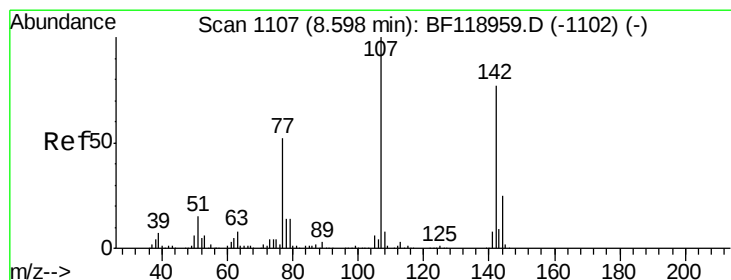
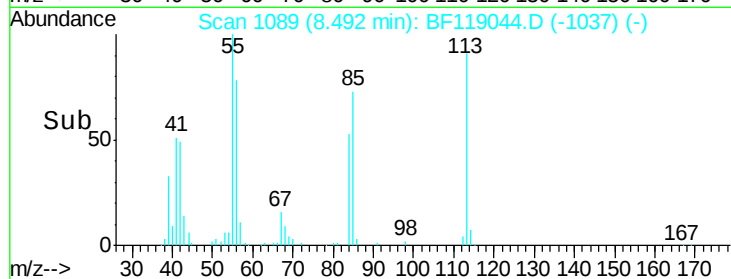
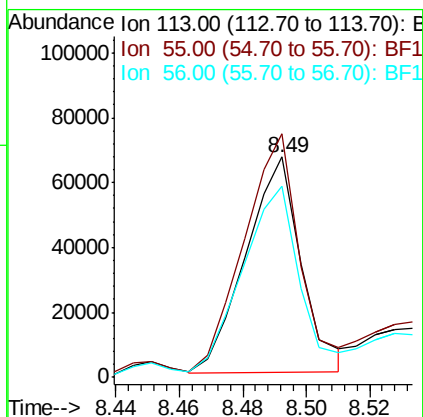
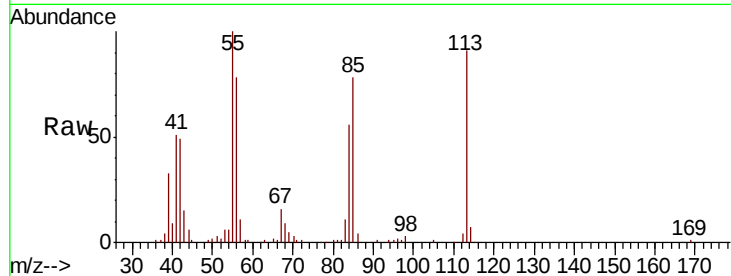




#35
 Caprolactam
 Concen: 26.431 ng
 RT: 8.49 min Scan# 1089
 Delta R.T. 0.01 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

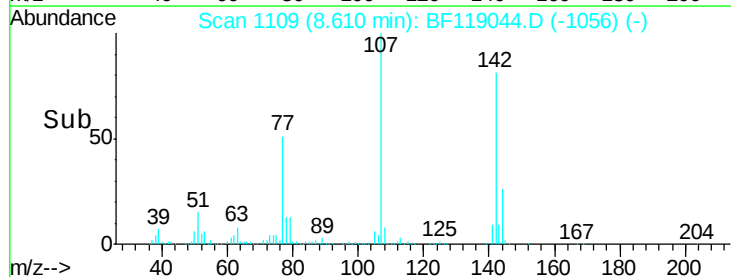
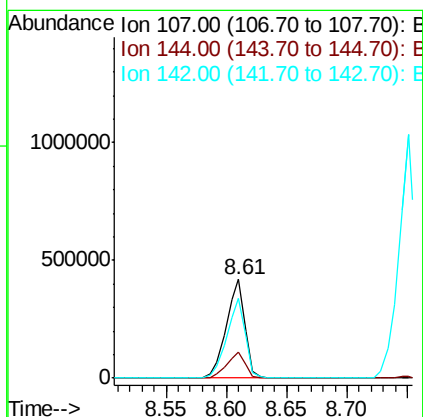
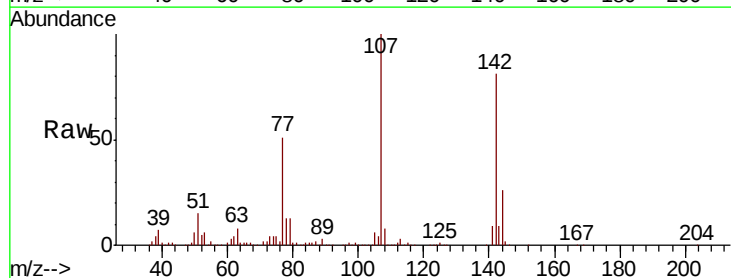
Instrument :
 BNA_F
 ClientSampleId :

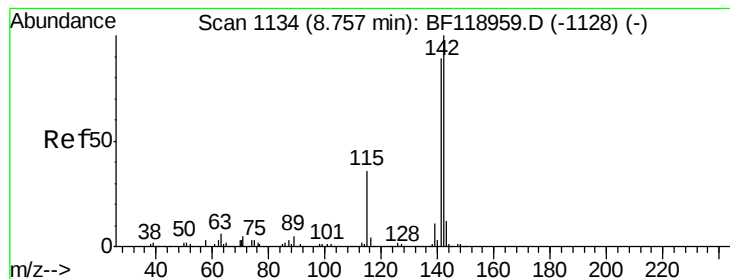
Tot Ion:113 Resp: 80664
 Ion Ratio Lower Upper
 113 100
 55 110.5 90.8 130.8
 56 86.5 70.0 110.0



#36
 4-Chloro-3-methylphenol
 Concen: 44.840 ng
 RT: 8.61 min Scan# 1109
 Delta R.T. 0.01 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

Tgt Ion:107 Resp: 449777
 Ion Ratio Lower Upper
 107 100
 144 26.1 19.8 29.8
 142 80.8 61.3 91.9





#37

2-Methylnaphthalene

Concen: 44.837 ng

RT: 8.75 min Scan# 1133

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampleId :

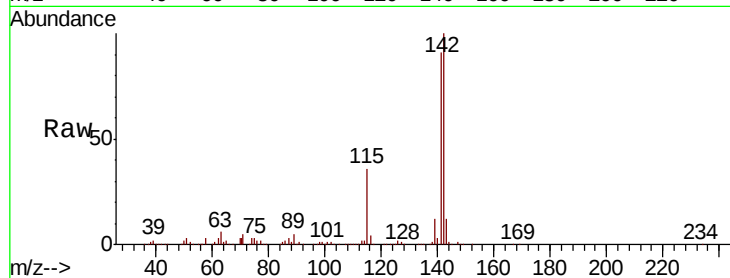
Tot Ion:142 Resp: 978217

Ion Ratio Lower Upper

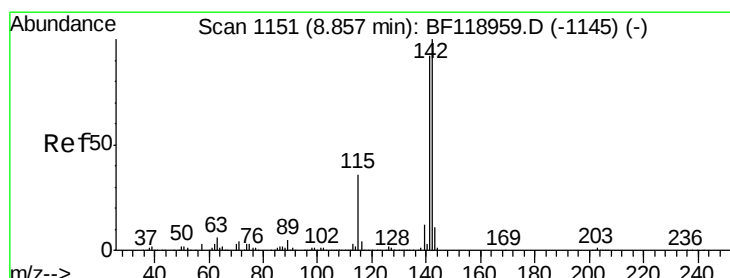
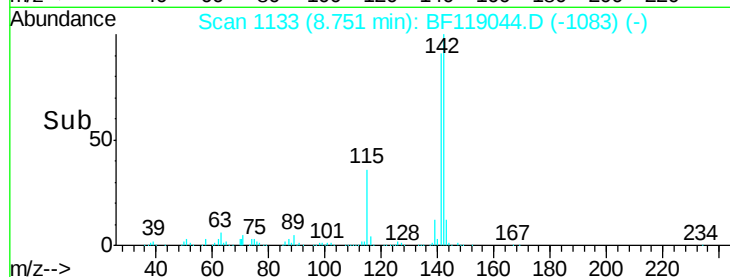
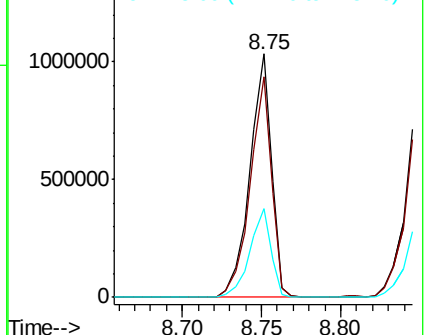
142 100

141 90.5 71.0 106.4

115 36.5 28.6 42.8



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: 44.367 ng

RT: 8.85 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

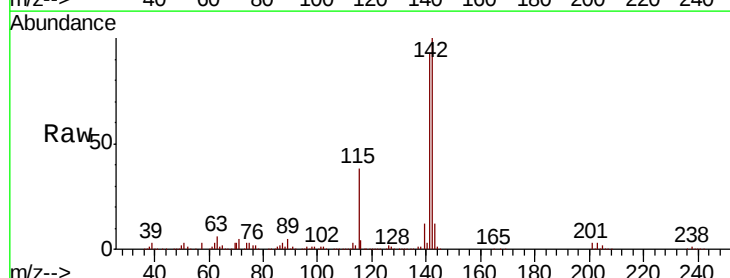
Tgt Ion:142 Resp: 910332

Ion Ratio Lower Upper

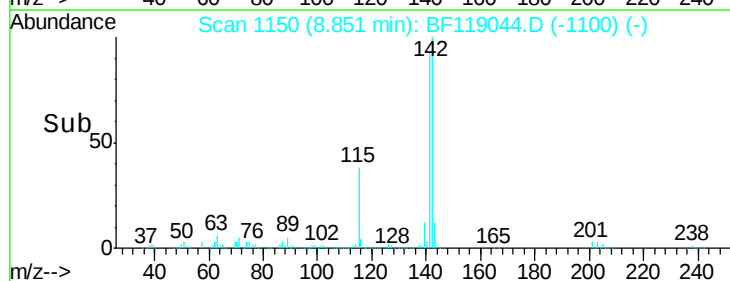
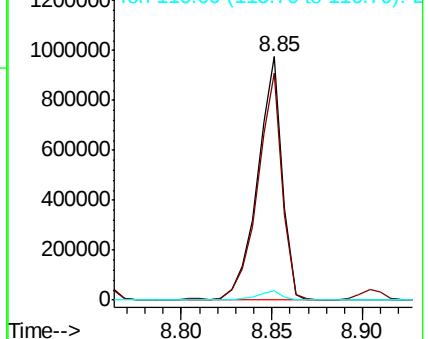
142 100

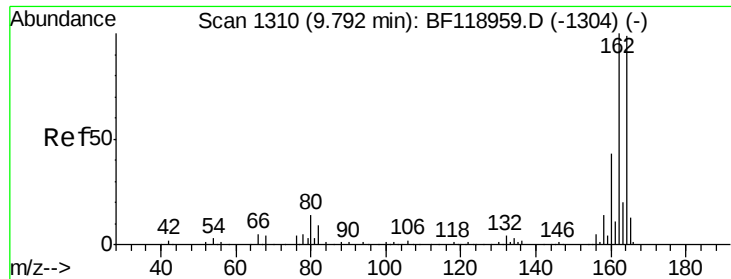
141 93.4 73.7 110.5

116 3.9 3.0 4.6



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

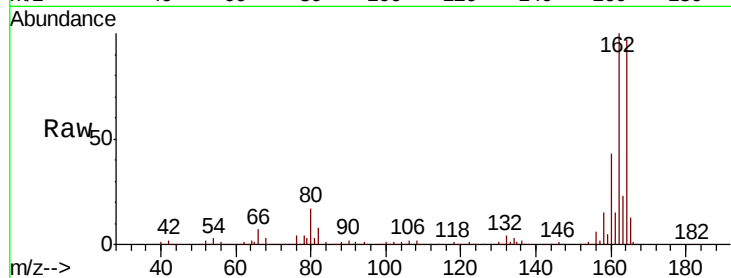




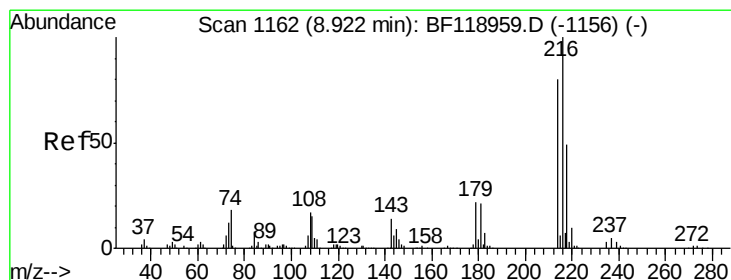
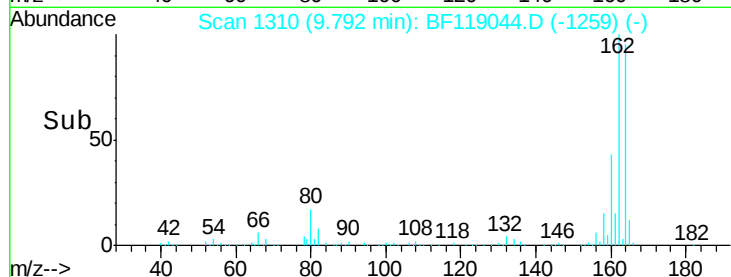
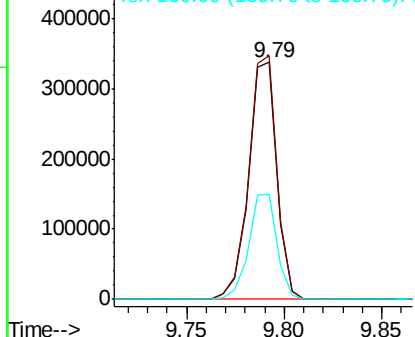
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.2	121.8
160	44.5	35.2	52.8



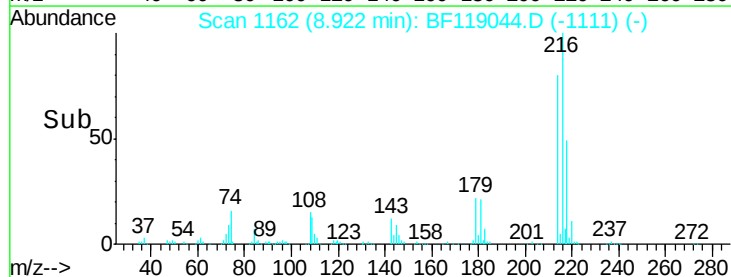
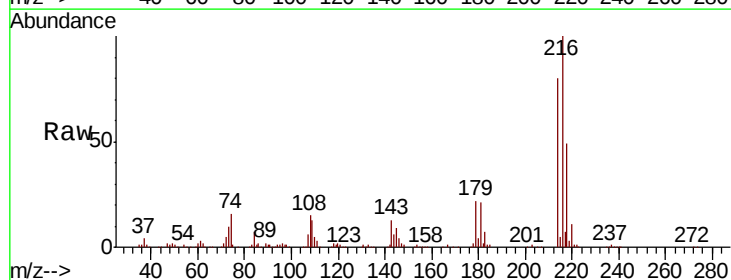
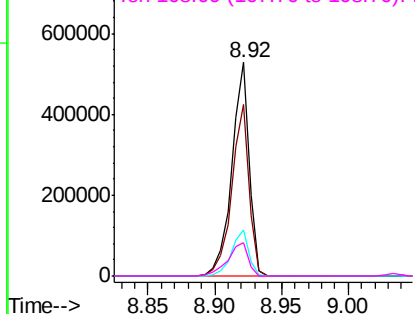
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

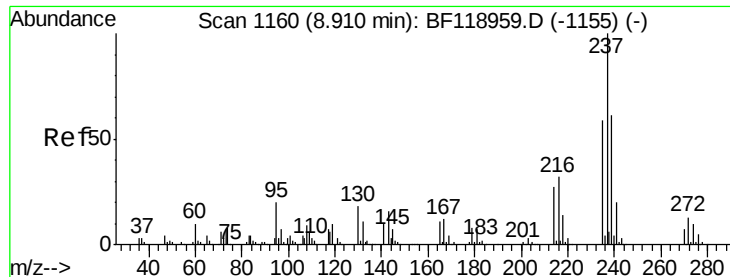


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.062 ng
RT: 8.92 min Scan# 1162
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.5	63.1	94.7
179	21.6	17.2	25.8
108	18.3	13.4	20.0

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: 76.542 ng

RT: 8.90 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampleId :

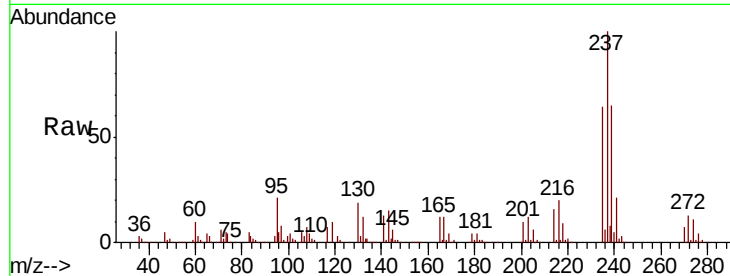
Tot Ion:237 Resp: 314537

Ion Ratio Lower Upper

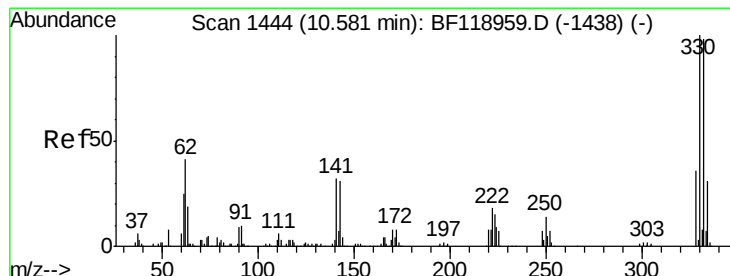
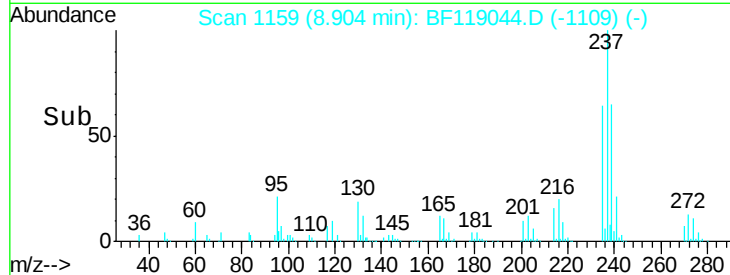
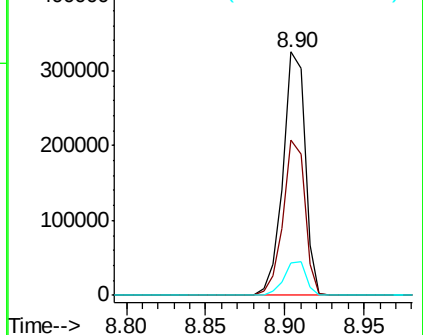
237 100

235 63.7 39.4 79.4

272 13.2 0.0 32.6



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: 100.612 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

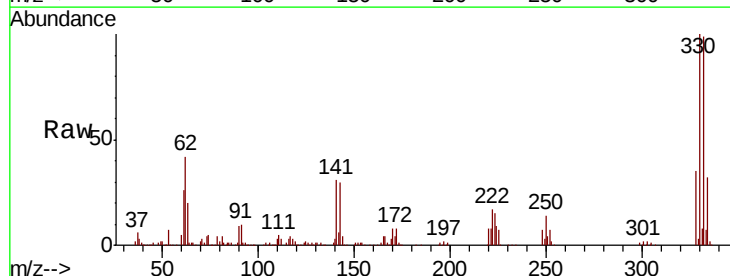
Tgt Ion:330 Resp: 443375

Ion Ratio Lower Upper

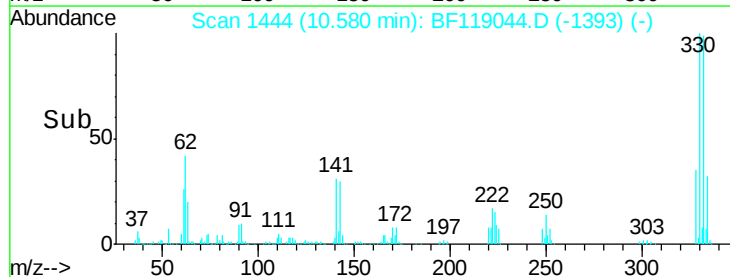
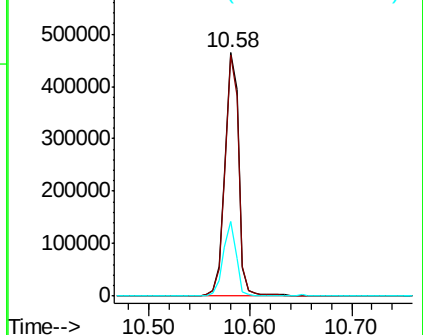
330 100

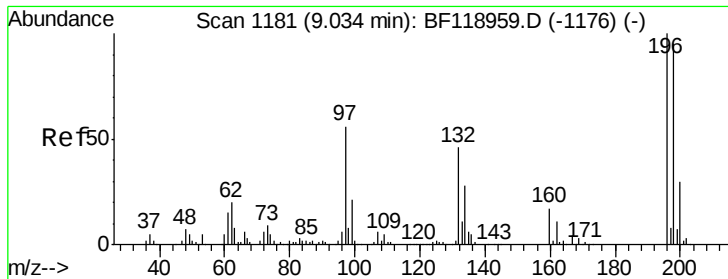
332 97.8 77.1 115.7

141 28.7 23.0 34.6



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

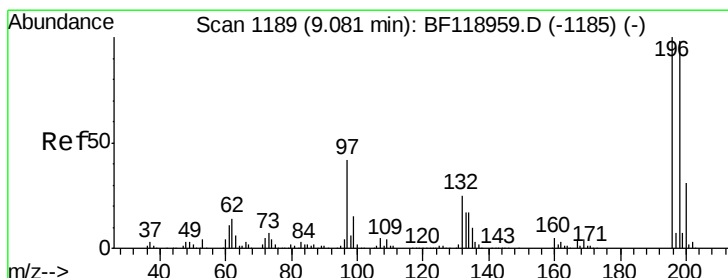
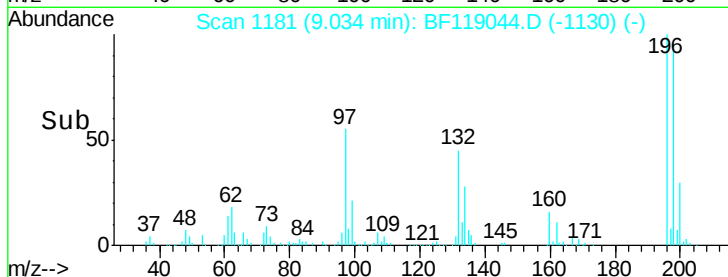
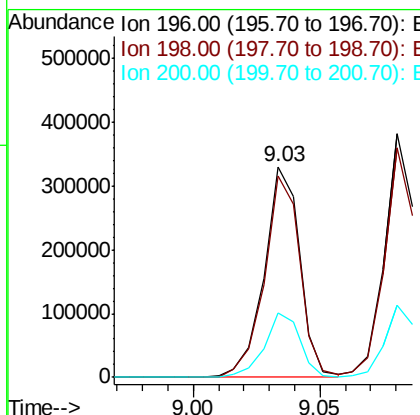
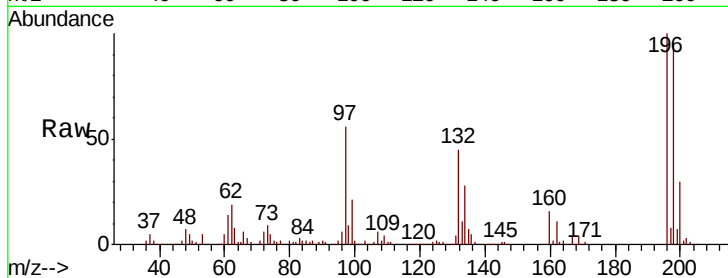




#43
 2,4,6-Trichlorophenol
 Concen: 44.909 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

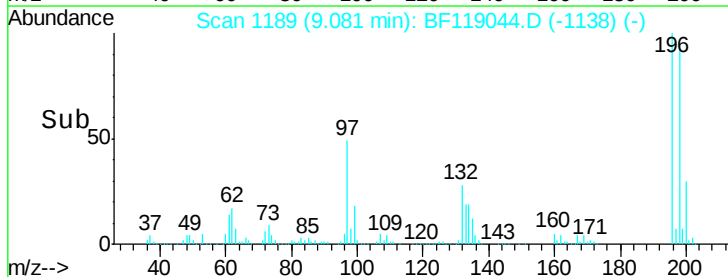
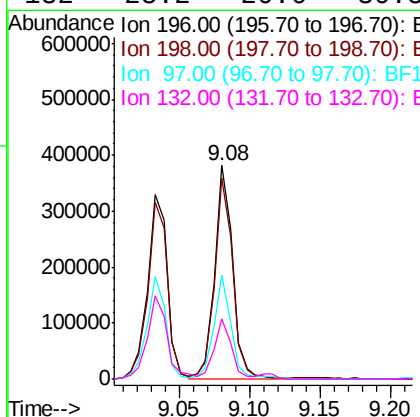
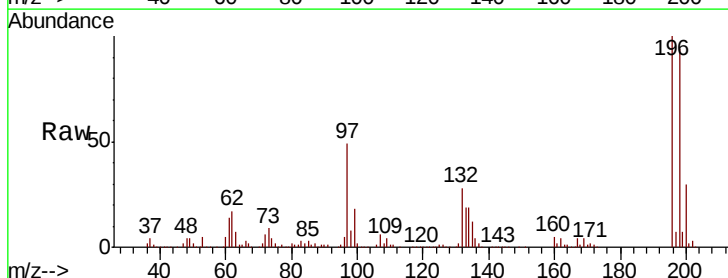
Instrument :
 BNA_F
 ClientSampleId :

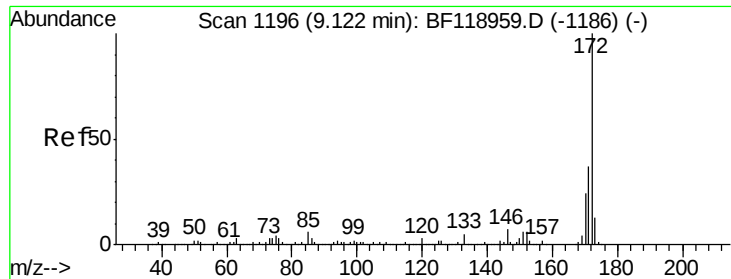
Tot Ion:196 Resp: 322099
 Ion Ratio Lower Upper
 196 100
 198 95.7 75.8 113.6
 200 30.4 24.1 36.1



#44
 2,4,5-Trichlorophenol
 Concen: 44.987 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

Tgt Ion:196 Resp: 338587
 Ion Ratio Lower Upper
 196 100
 198 94.2 78.4 117.6
 97 48.6 33.4 50.0
 132 28.2 20.6 30.8

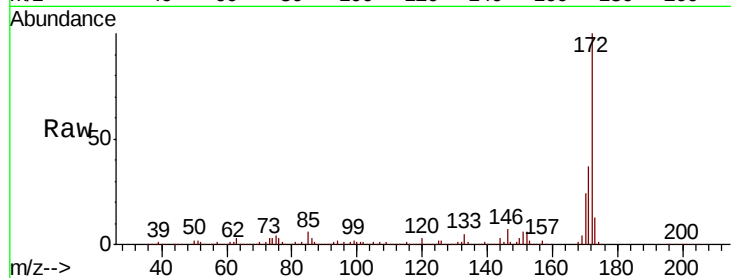




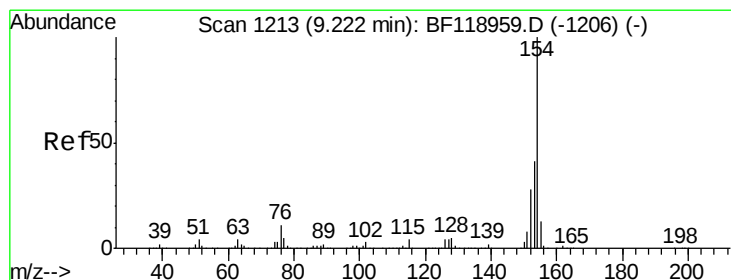
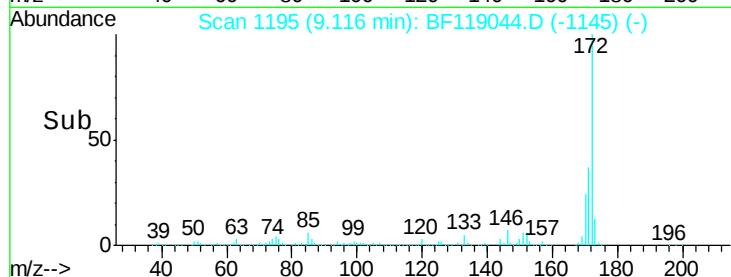
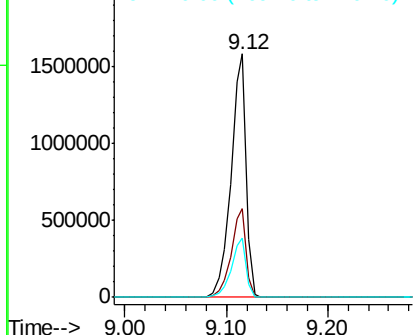
#45
2-Fluorobiphenyl
Concen: 70.677 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1616151
Ion Ratio Lower Upper
172 100
171 36.5 29.4 44.2
170 24.4 19.6 29.4

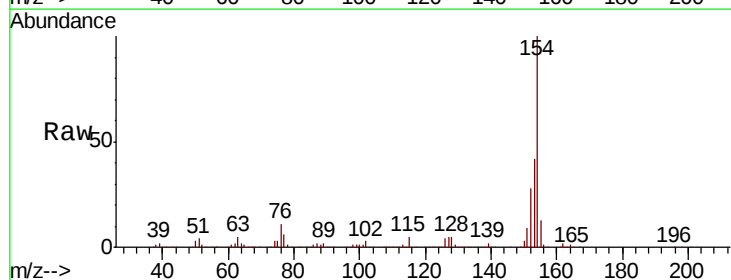


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

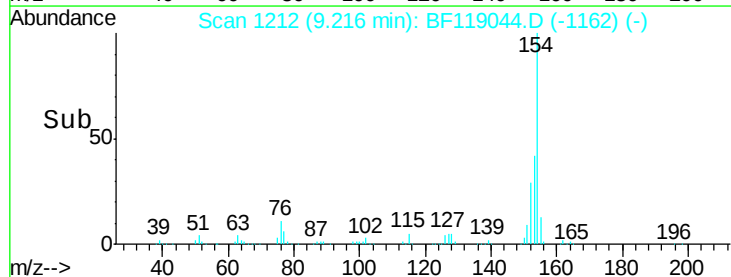
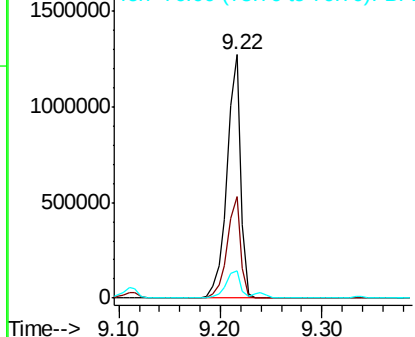


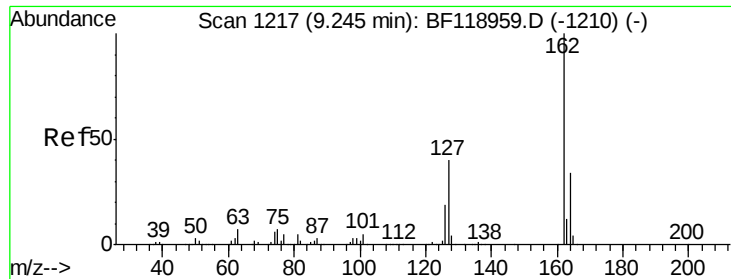
#46
1,1'-Biphenyl
Concen: 43.336 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion:154 Resp: 1179840
Ion Ratio Lower Upper
154 100
153 41.6 21.2 61.2
76 11.3 0.0 31.1



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

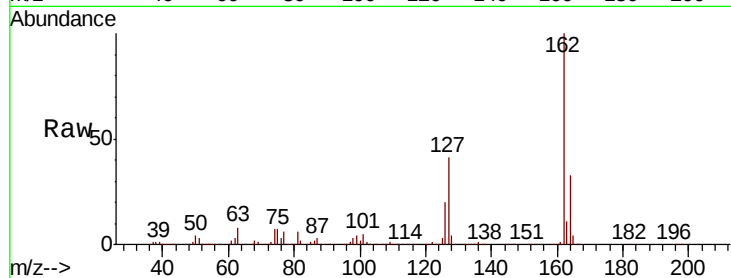




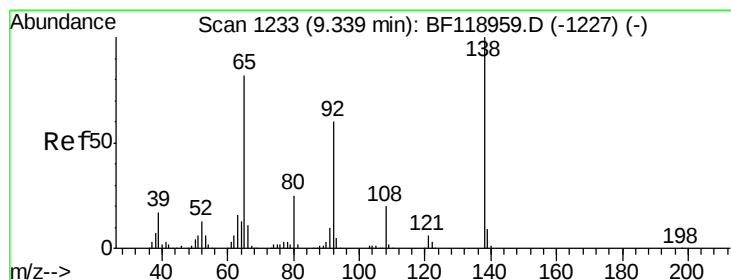
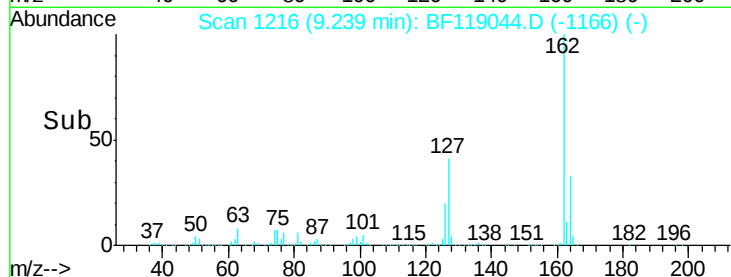
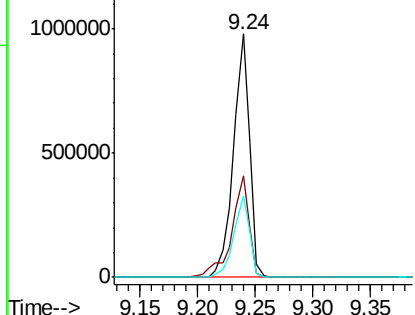
#47
2-Chloronaphthalene
Concen: 42.967 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.5	31.9	47.9
164	33.1	26.8	40.2

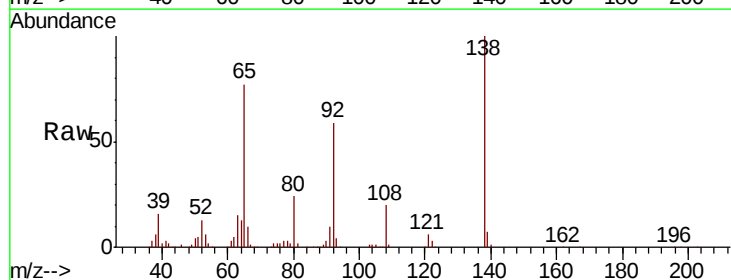


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

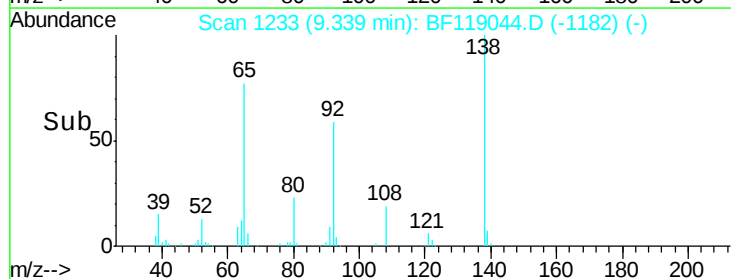
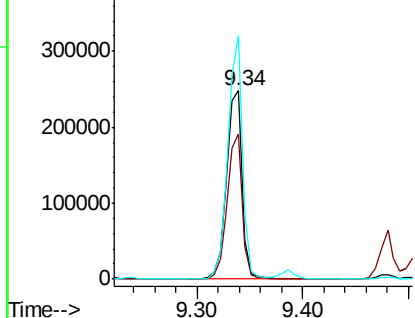


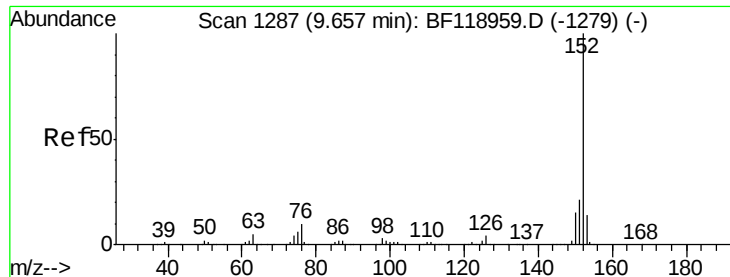
#48
2-Nitroaniline
Concen: 41.496 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
65	100		
92	76.8	58.6	87.8
138	129.3	97.5	146.3



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: 45.347 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

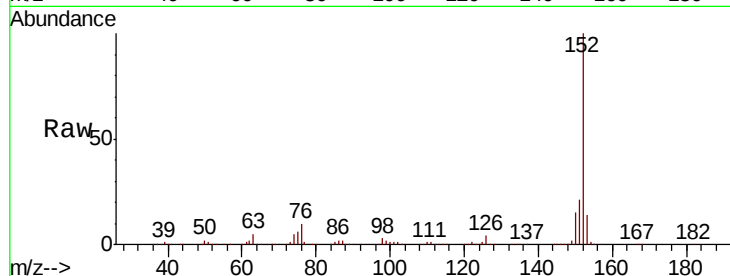
Instrument :

BNA_F

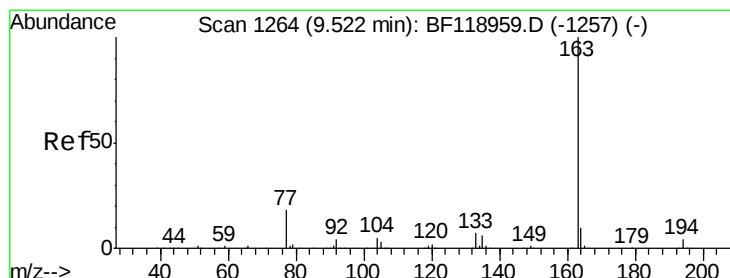
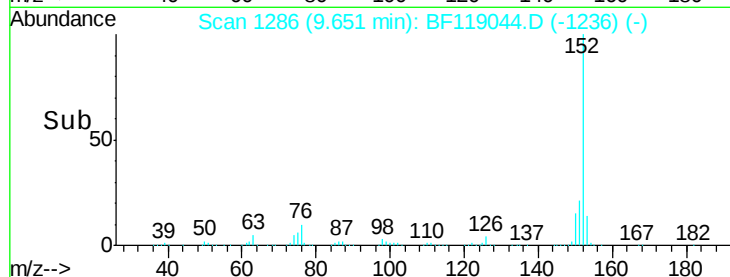
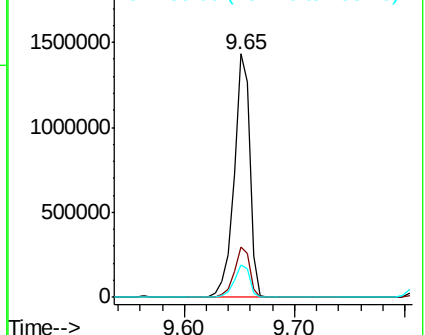
ClientSampleId :

Tot Ion:152 Resp: 1436943

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.7	25.1
153	13.5	10.9	16.3



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: 48.529 ng

RT: 9.52 min Scan# 1264

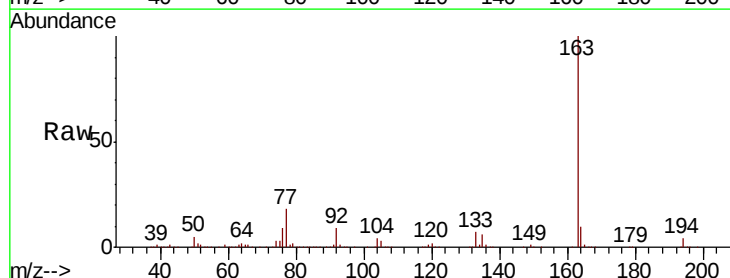
Delta R.T. -0.00 min

Lab File: BF119044.D

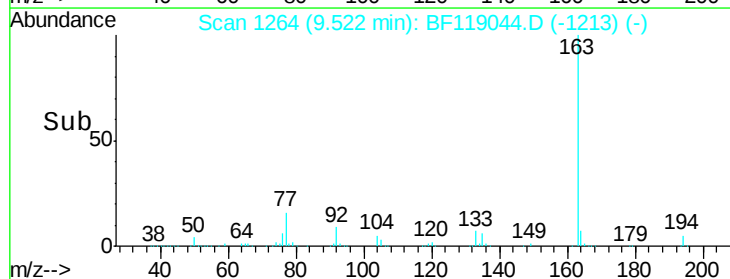
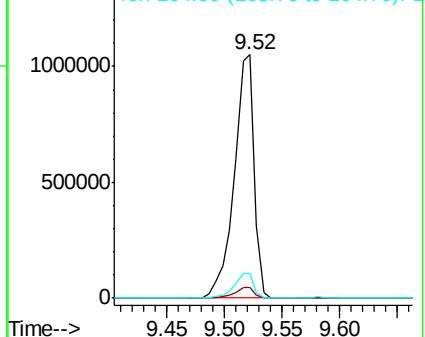
Acq: 25 Feb 2020 2:23

Tgt Ion:163 Resp: 1250069

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.2
164	10.3	8.2	12.2



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: 45.194 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampled :

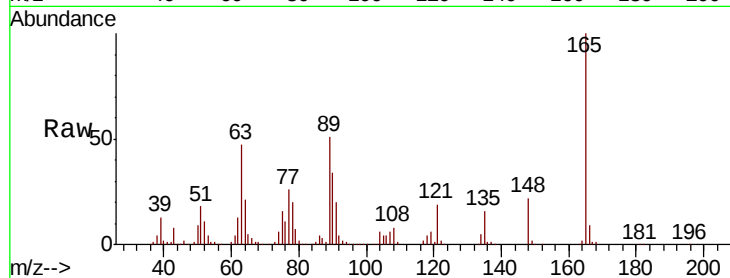
Tot Ion:165 Resp: 258648

Ion Ratio Lower Upper

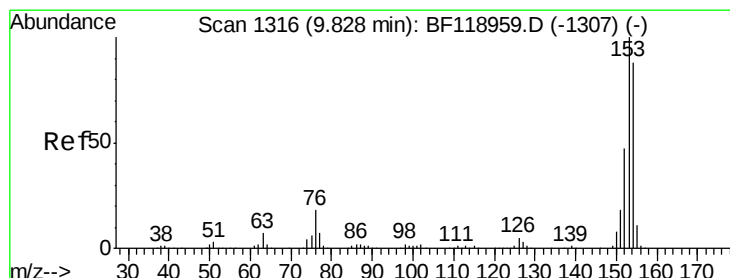
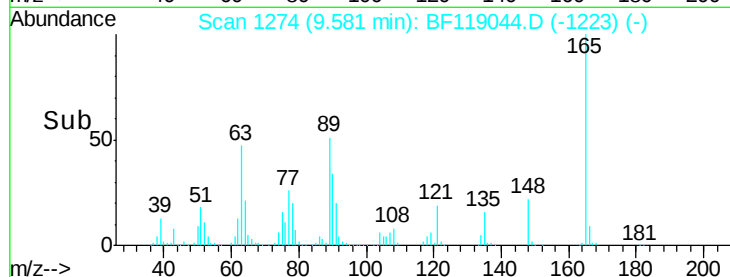
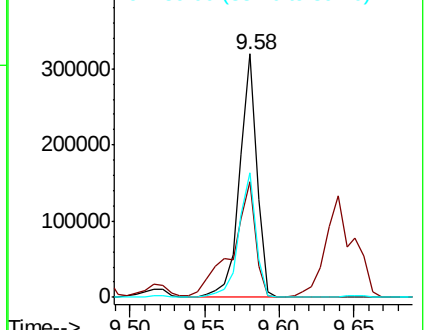
165 100

63 47.3 37.9 56.9

89 51.0 41.4 62.0



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: 44.108 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

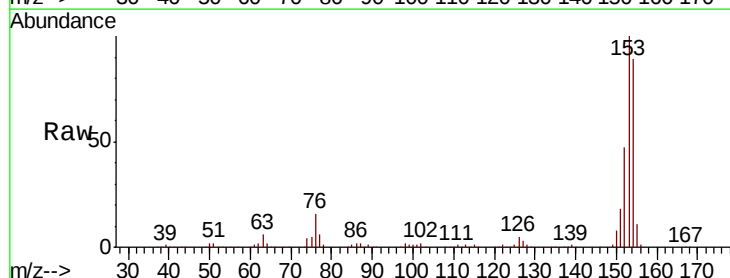
Tgt Ion:154 Resp: 842772

Ion Ratio Lower Upper

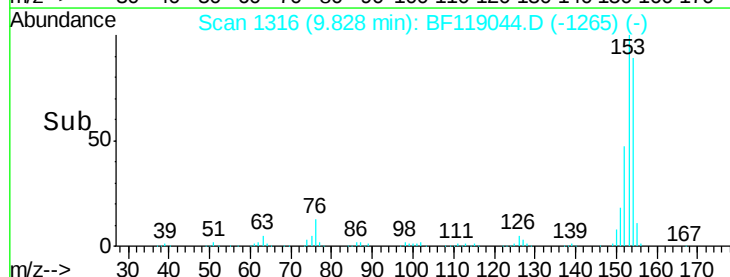
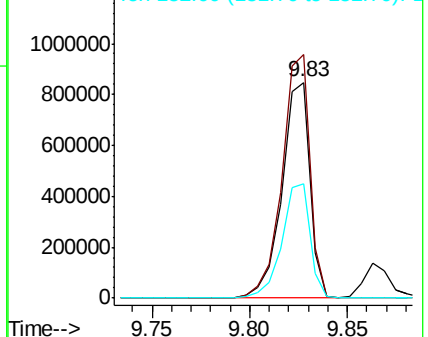
154 100

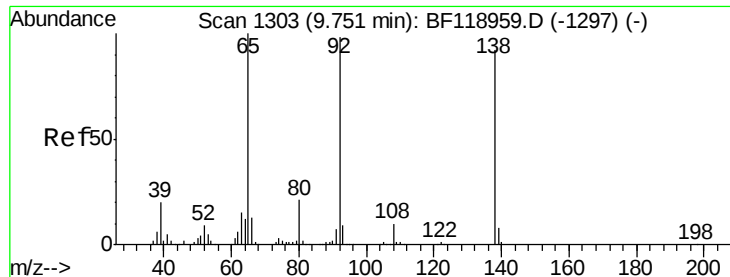
153 112.8 90.4 135.6

152 53.2 42.9 64.3



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

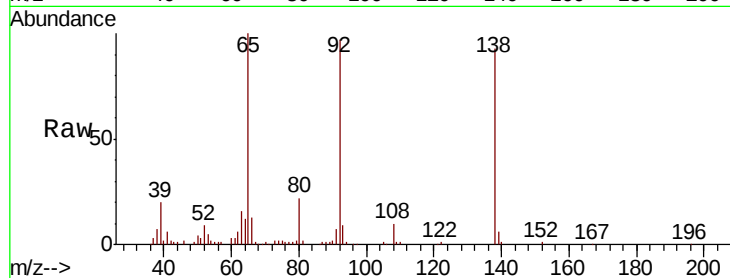




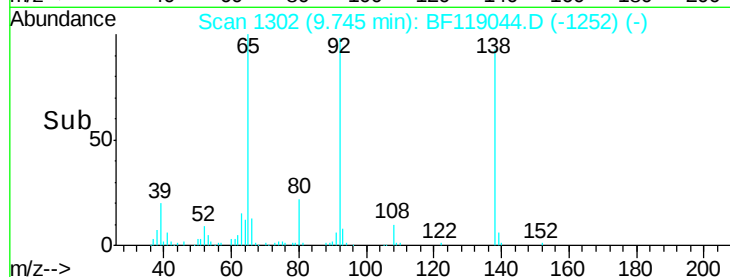
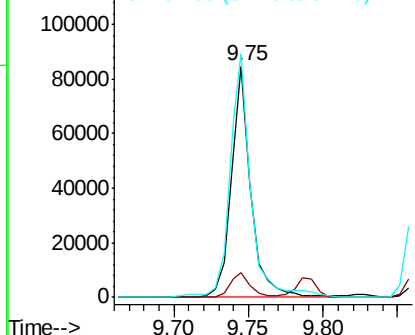
#53
3-Nitroaniline
Concen: 12.387 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 78593
Ion Ratio Lower Upper
138 100
108 10.8 8.6 13.0
92 105.3 84.6 127.0

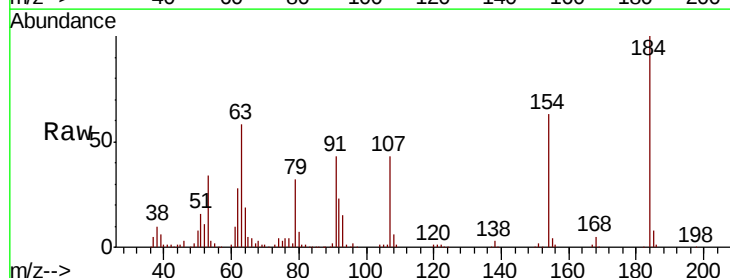


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

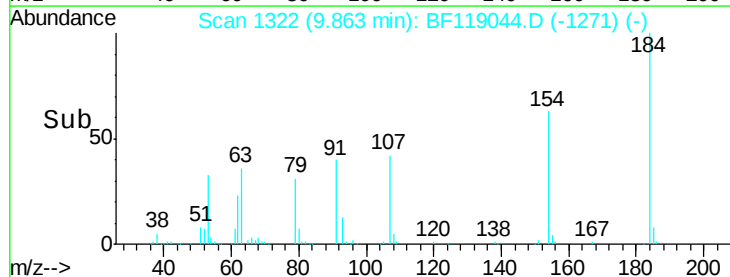
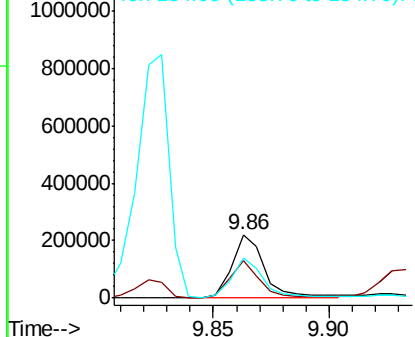


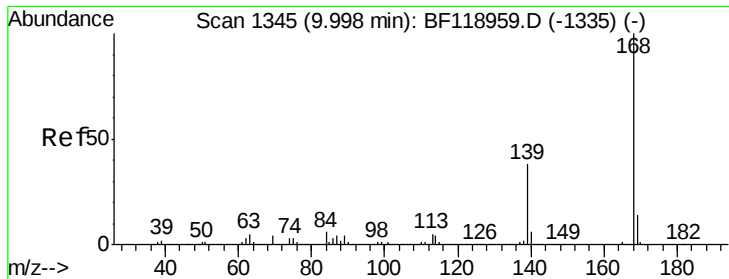
#54
2,4-Dinitrophenol
Concen: 78.498 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion:184 Resp: 217911
Ion Ratio Lower Upper
184 100
63 58.5 37.8 56.6#
154 62.9 47.6 71.4



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

Dibenzofuran

Concen: 44.163 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampleId :

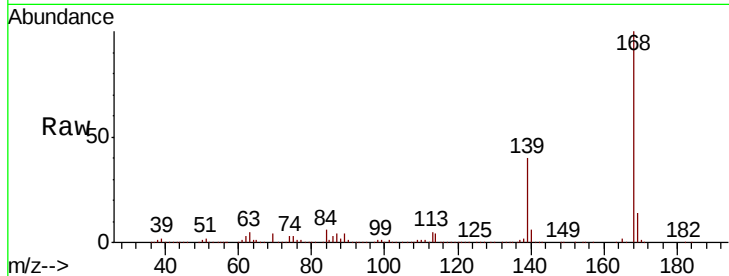
Tot Ion:168 Resp: 1259489

Ion Ratio Lower Upper

168 100

139 40.3 31.7 47.5

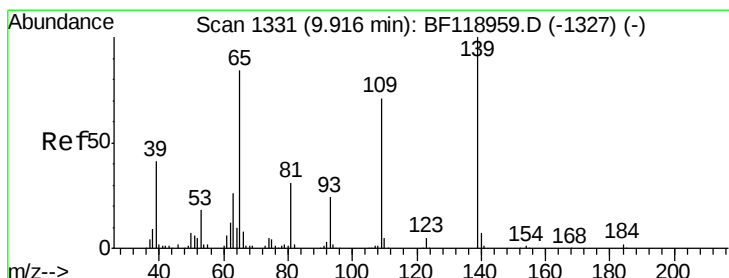
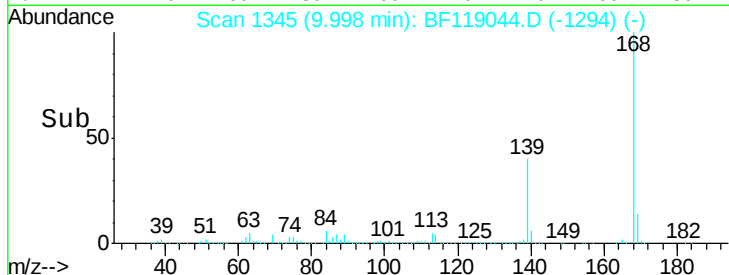
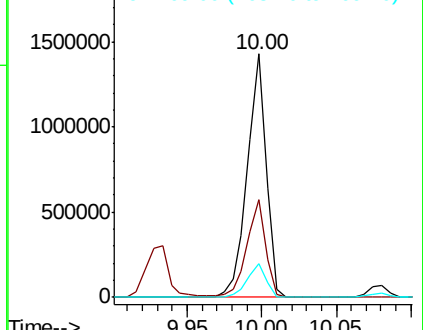
169 13.7 11.0 16.4



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: 85.914 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.02 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

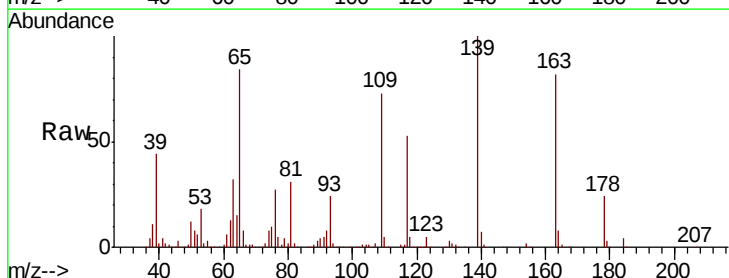
Tgt Ion:139 Resp: 327504

Ion Ratio Lower Upper

139 100

109 72.9 51.1 91.1

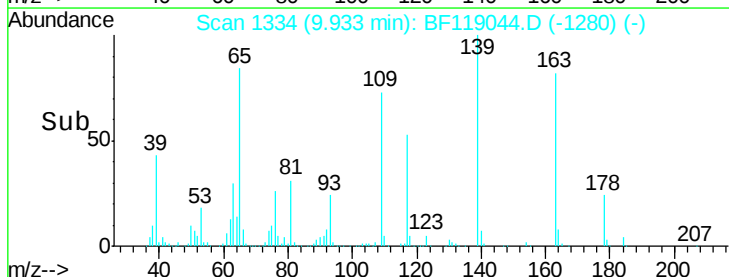
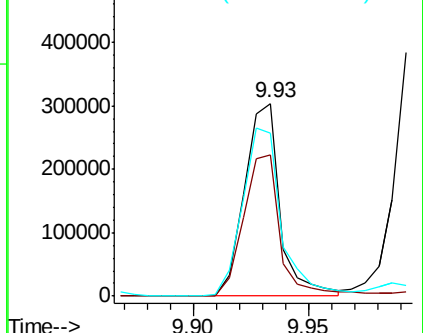
65 84.5 64.7 104.7

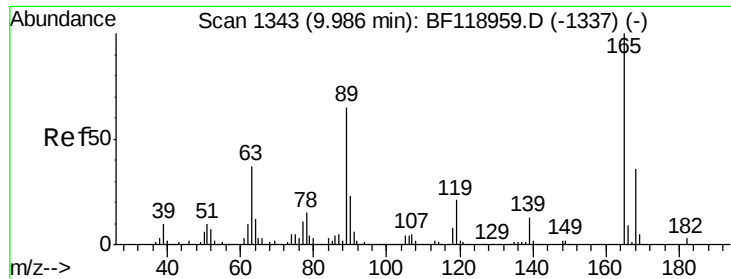


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

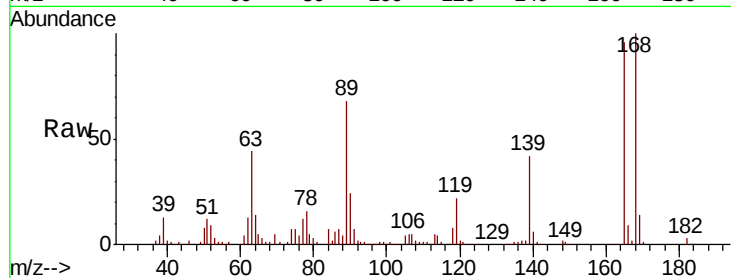




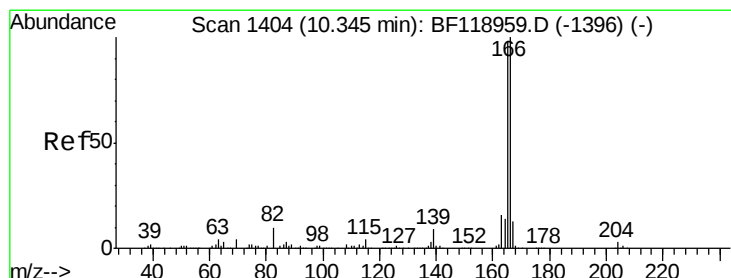
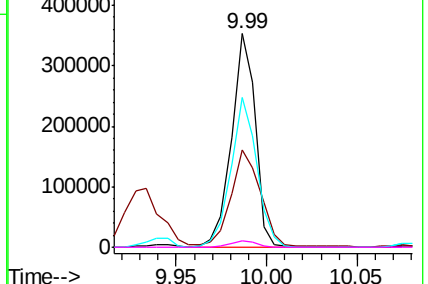
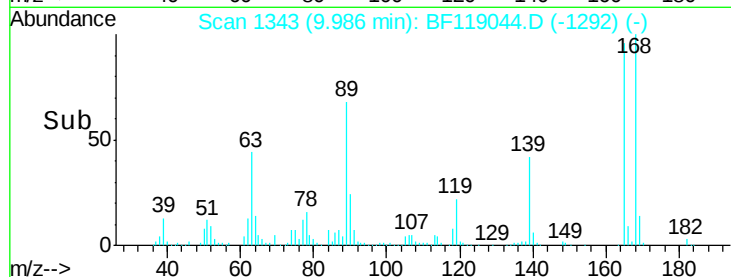
#57
 2,4-Dinitrotoluene
 Concen: 43.548 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.00 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	323046
Ion Ratio	Lower	Upper
165	100	
63	45.6	29.8 44.8#
89	70.3	51.9 77.9
182	3.2	2.3 3.5

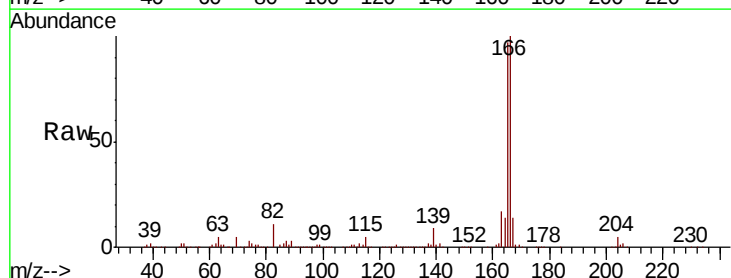


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

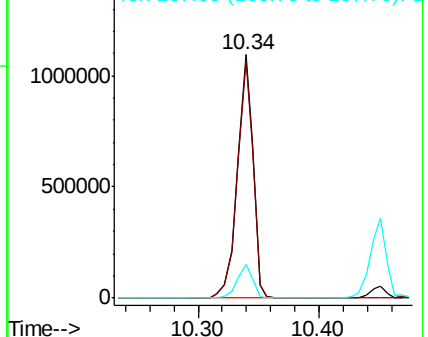
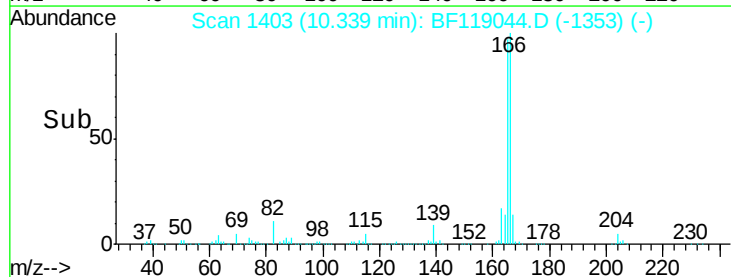


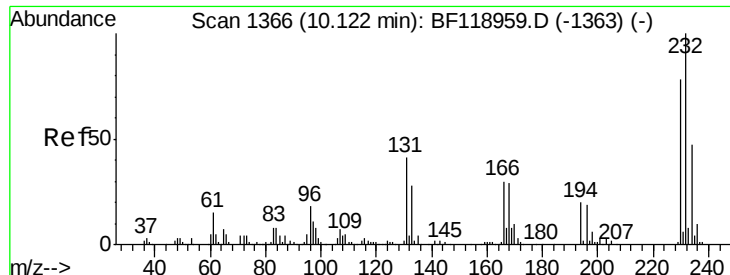
#58
 Fluorene
 Concen: 44.755 ng
 RT: 10.34 min Scan# 1403
 Delta R.T. -0.01 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

Tgt Ion:166	Resp:	991810
Ion Ratio	Lower	Upper
166	100	
165	97.4	78.2 117.4
167	13.6	10.6 16.0



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





#59

2,3,4,6-Tetrachlorophenol

Concen: 43.829 ng

RT: 10.12 min Scan# 1366

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampled :

Tot Ion:232 Resp: 278346

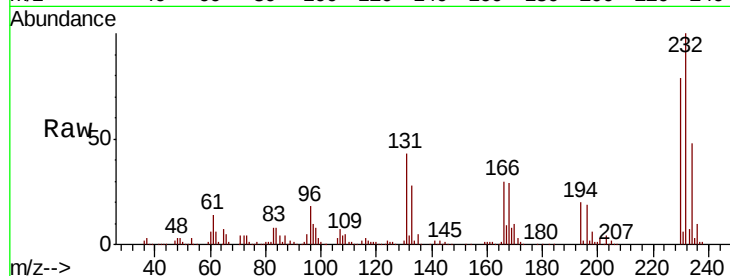
Ion Ratio Lower Upper

232 100

131 42.4 34.0 51.0

130 2.3 1.6 2.4

166 30.0 23.6 35.4

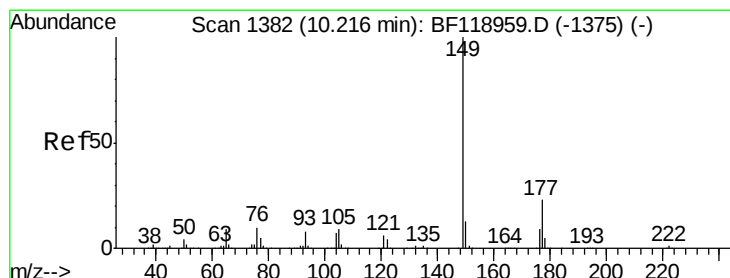
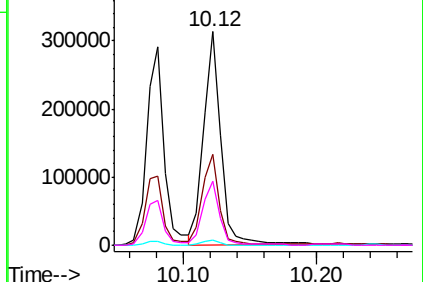
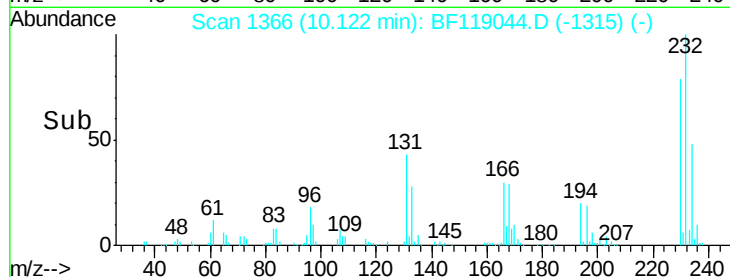


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 44.835 ng

RT: 10.22 min Scan# 1382

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

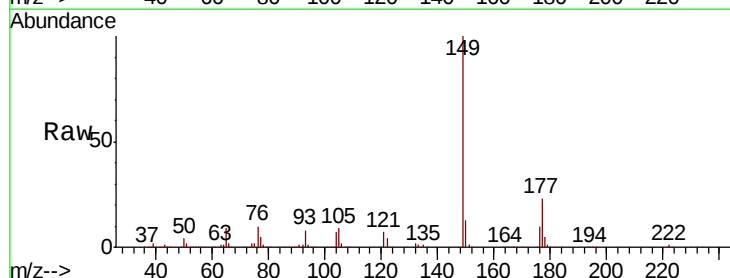
Tgt Ion:149 Resp: 1088379

Ion Ratio Lower Upper

149 100

177 23.0 18.1 27.1

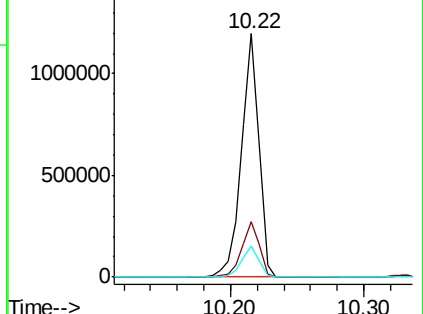
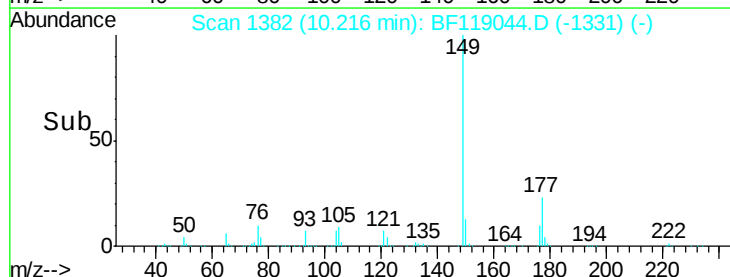
150 12.9 10.4 15.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

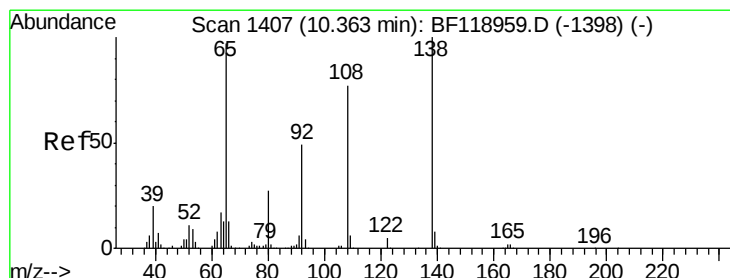
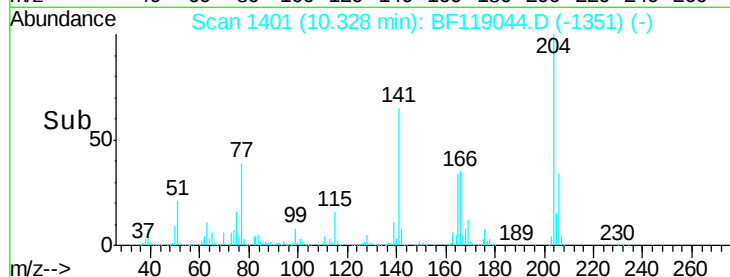
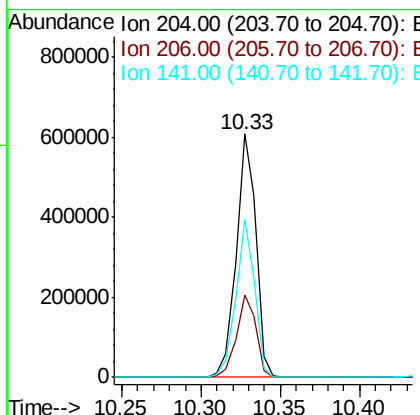
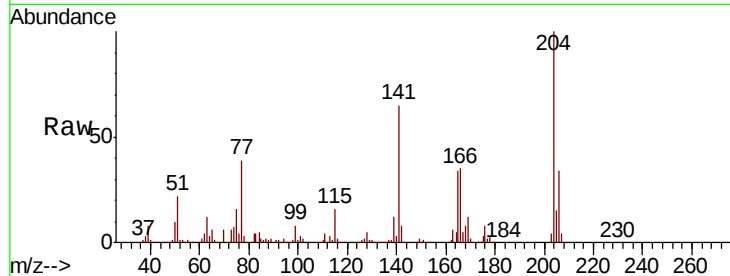




#61
4-Chlorophenyl-phenylether
Concen: 44.543 ng
RT: 10.33 min Scan# 1401
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

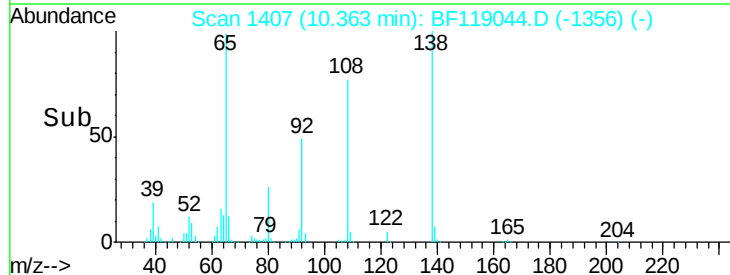
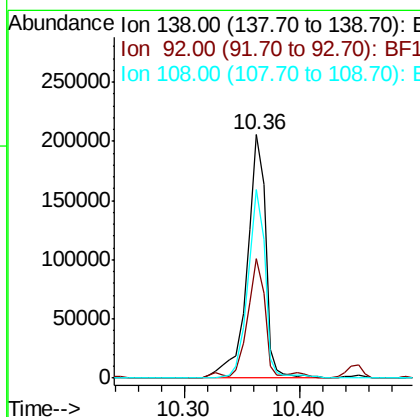
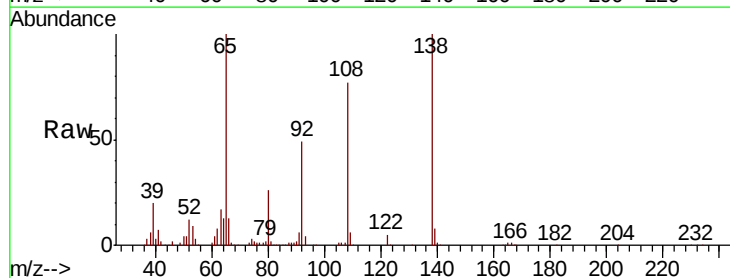
Instrument :
BNA_F
ClientSampleId :

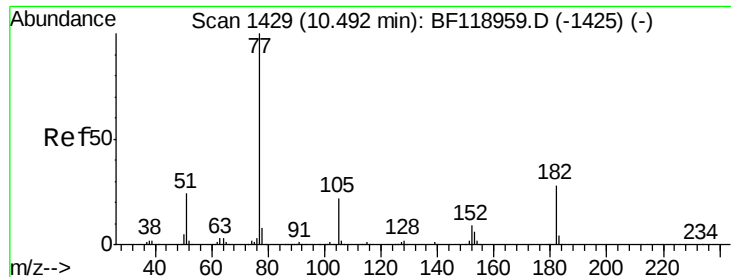
Tot Ion	Ratio	Lower	Upper
204	100		
206	33.7	26.5	39.7
141	64.7	49.5	74.3



#62
4-Nitroaniline
Concen: 35.301 ng
RT: 10.36 min Scan# 1407
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.2	28.7	68.7
108	77.4	56.8	96.8





#63

Azobenzene

Concen: 45.334 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 956570

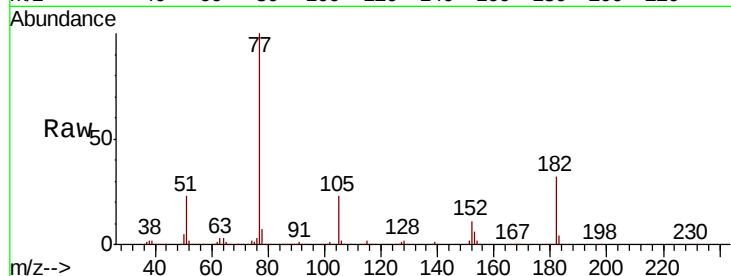
Ion Ratio Lower Upper

77 100

182 31.6 8.2 48.2

105 23.2 2.3 42.3

51 23.0 3.6 43.6

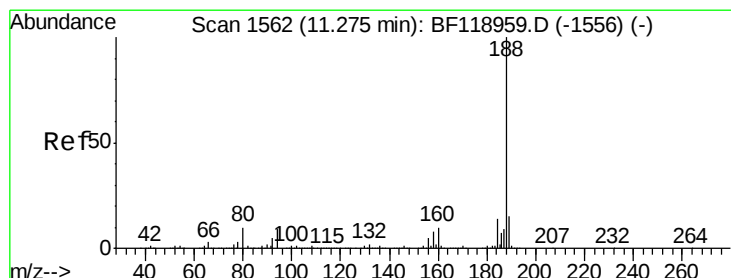
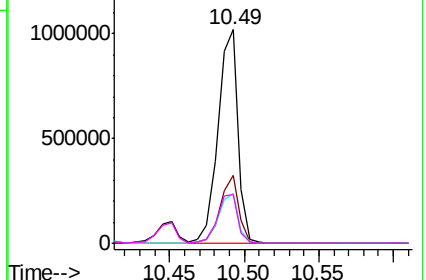
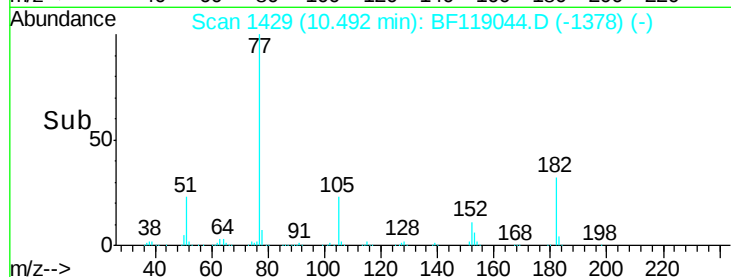


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

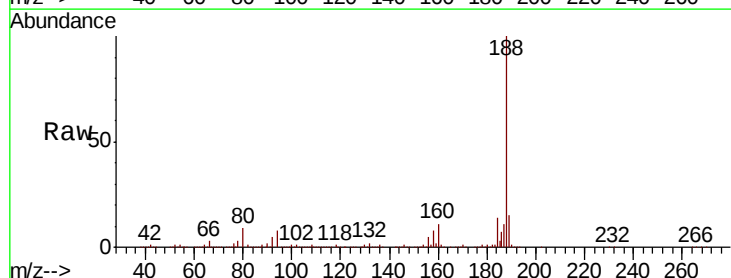
Tgt Ion: 188 Resp: 609402

Ion Ratio Lower Upper

188 100

94 8.4 7.0 10.6

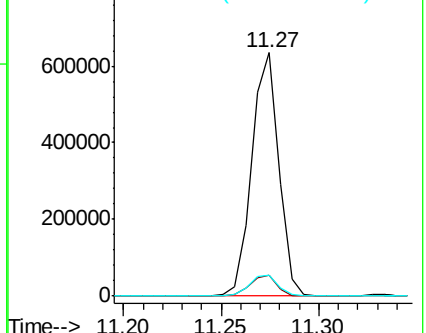
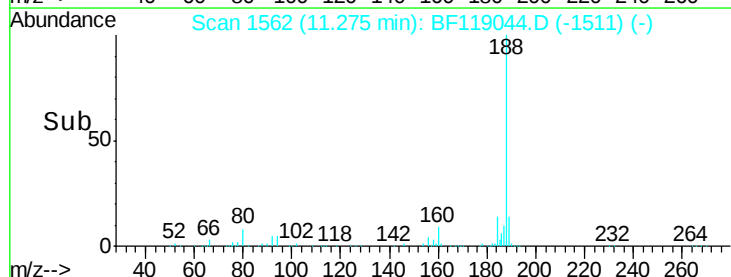
80 8.7 7.9 11.9

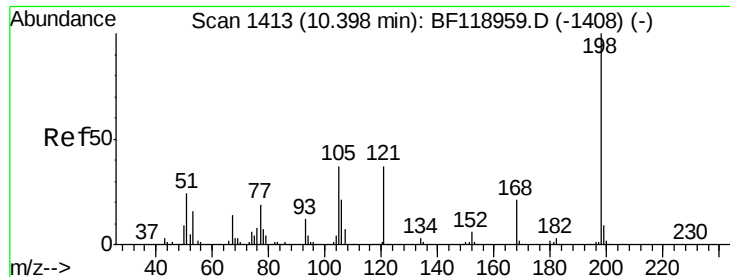


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

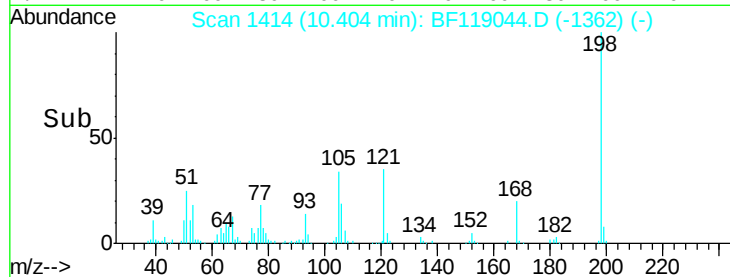
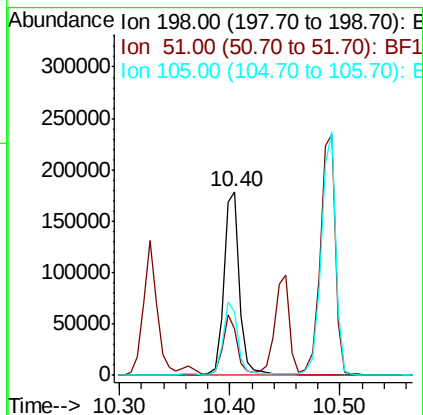
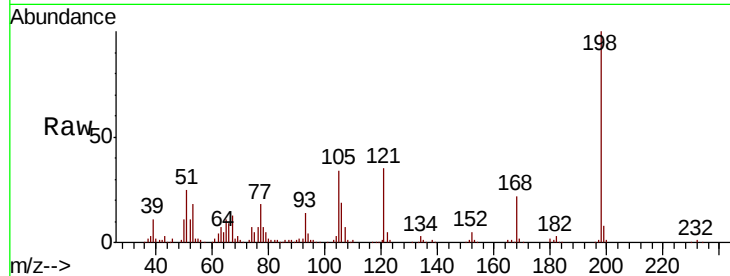




#65
4,6-Dinitro-2-methylphenol
Concen: 48.339 ng
RT: 10.40 min Scan# 1414
Delta R.T. 0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

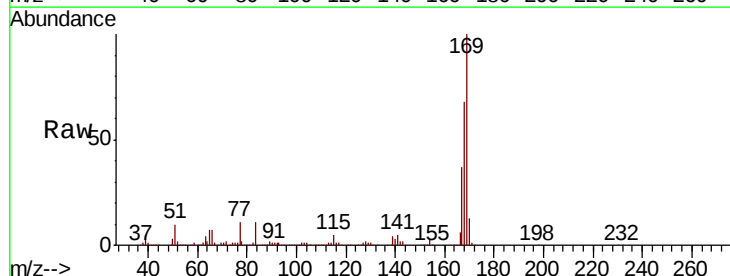
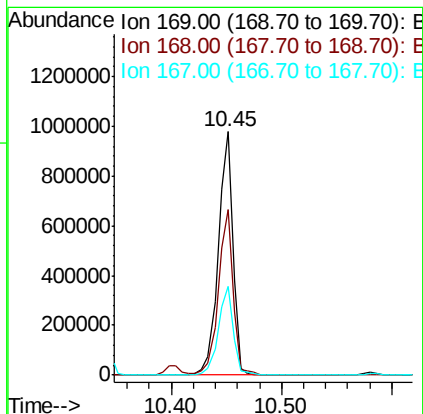
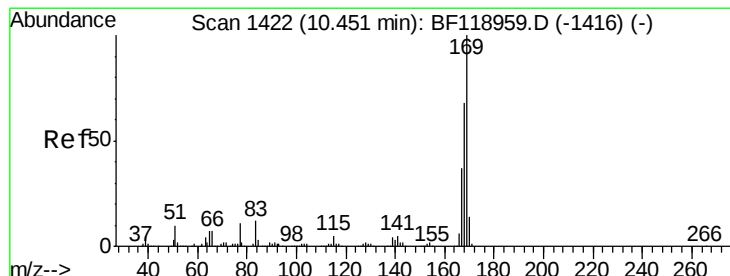
Instrument :
BNA_F
ClientSampleId :

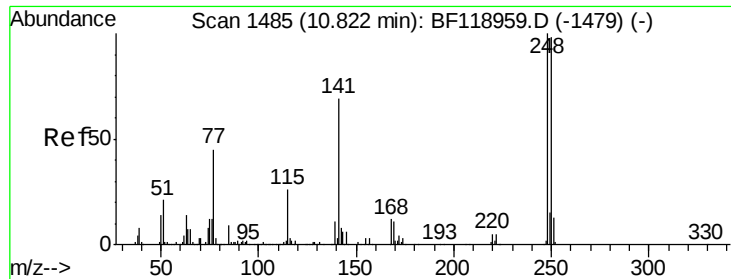
Tot Ion:198 Resp: 178253
Ion Ratio Lower Upper
198 100
51 25.2 7.1 47.1
105 34.3 18.3 58.3



#66
n-Nitrosodiphenylamine
Concen: 45.043 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion:169 Resp: 898784
Ion Ratio Lower Upper
169 100
168 68.1 54.2 81.2
167 36.6 29.4 44.2

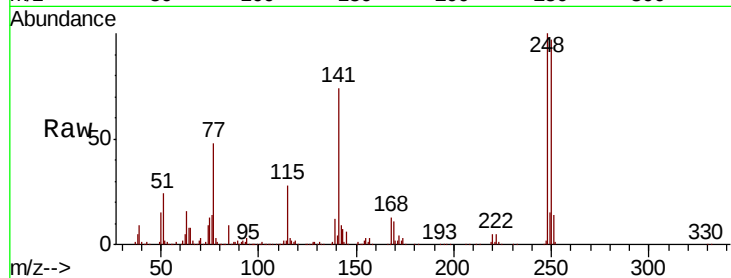




#67
 4-Bromophenyl-phenylether
 Concen: 44.122 ng
 RT: 10.82 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.1	78.8	118.2
141	74.3	55.3	82.9

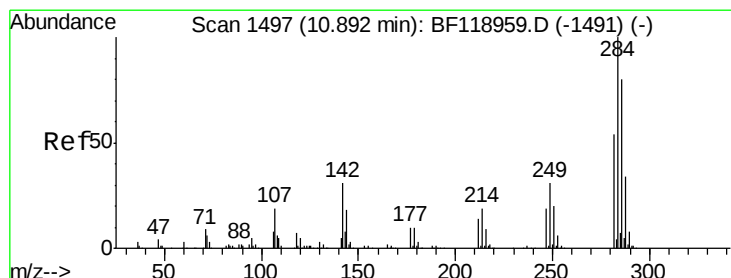
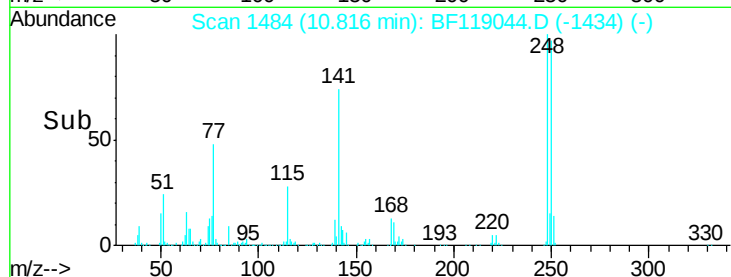
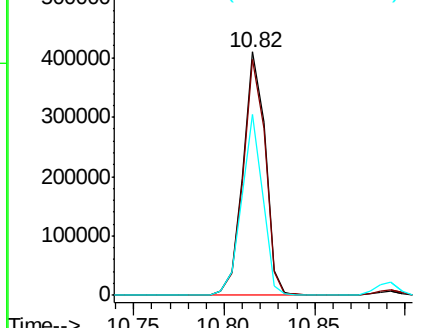


Abundance

Ion 248.00 (247.70 to 248.70): E

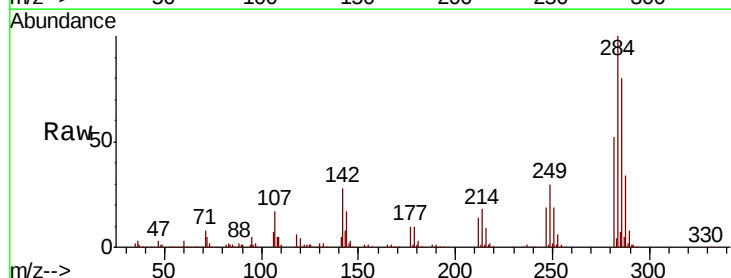
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
 Hexachlorobenzene
 Concen: 42.755 ng
 RT: 10.89 min Scan# 1497
 Delta R.T. -0.00 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.1	25.0	37.6
249	30.1	25.0	37.4

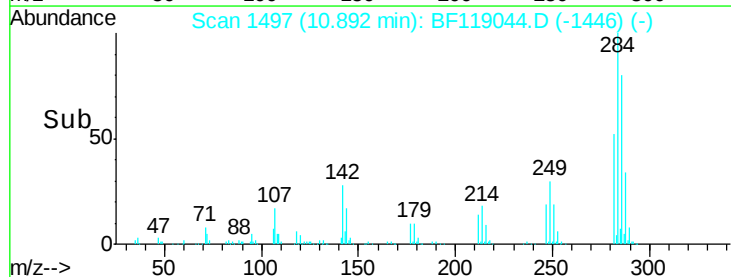
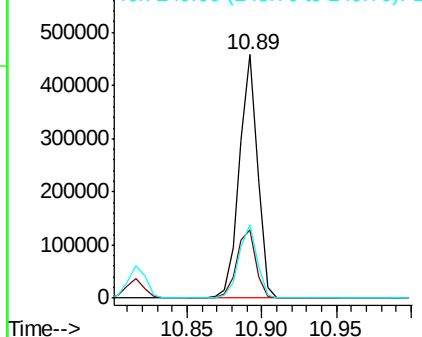


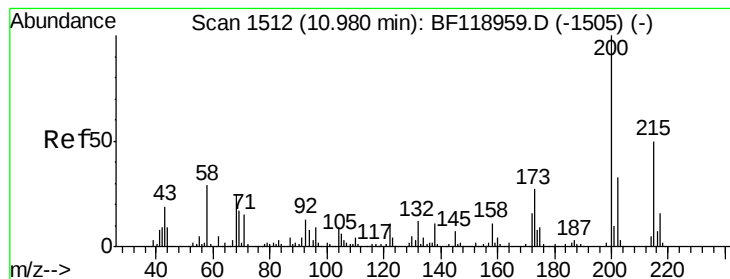
Abundance

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: 46.000 ng

RT: 10.98 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampleId :

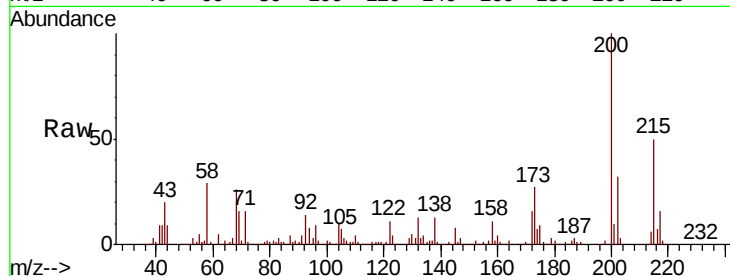
Tot Ion:200 Resp: 320700

Ion Ratio Lower Upper

200 100

173 26.9 6.9 46.9

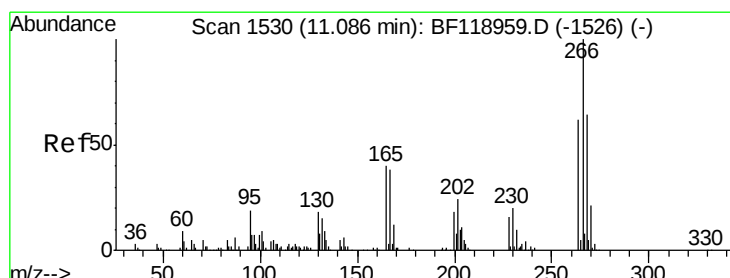
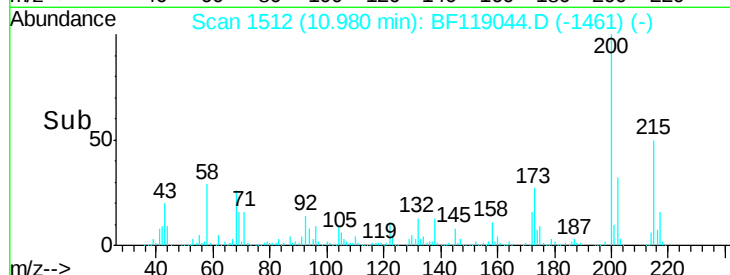
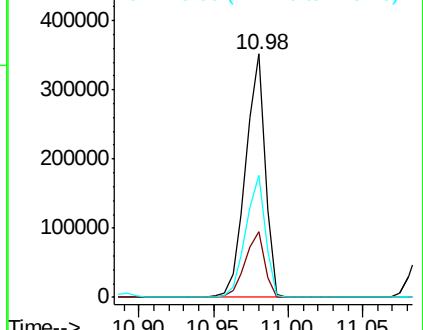
215 50.1 29.7 69.7



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: 93.576 ng

RT: 11.09 min Scan# 1530

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

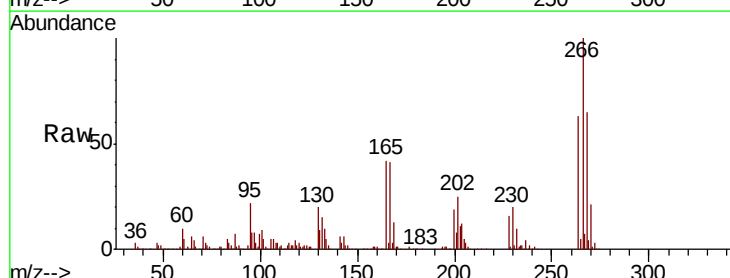
Tgt Ion:266 Resp: 346189

Ion Ratio Lower Upper

266 100

268 64.6 51.4 77.0

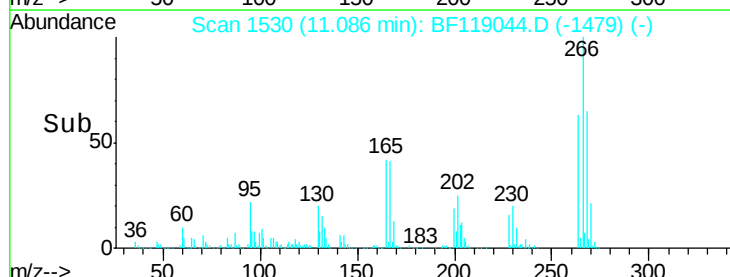
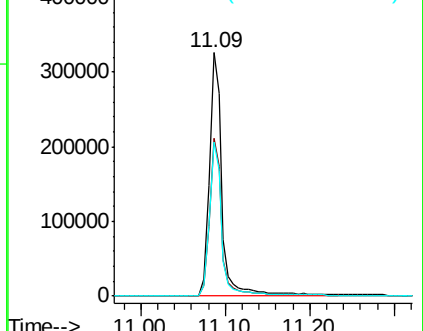
264 63.5 49.5 74.3

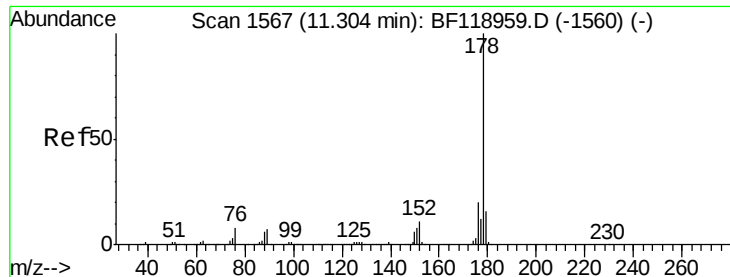


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

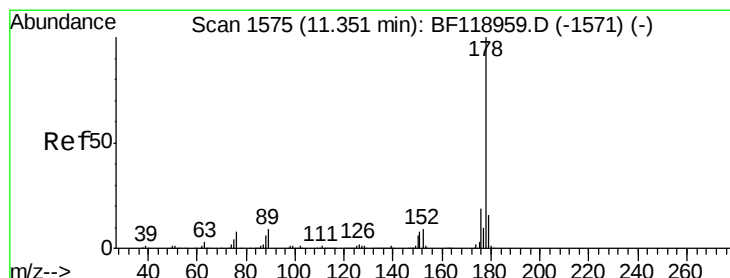
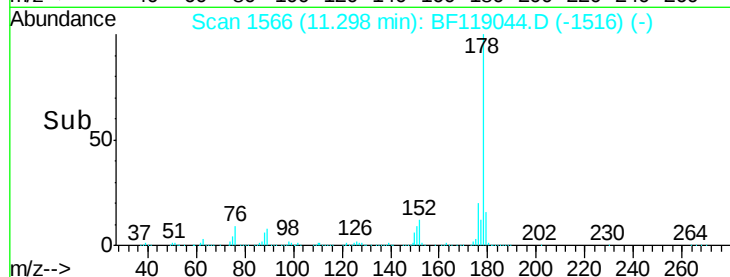
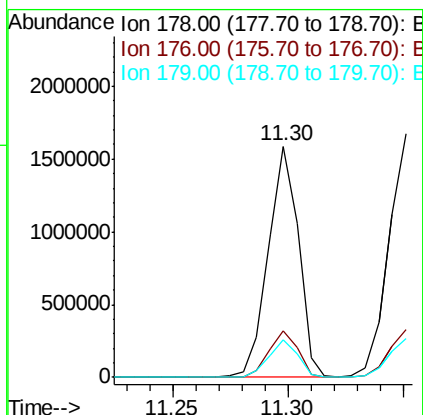
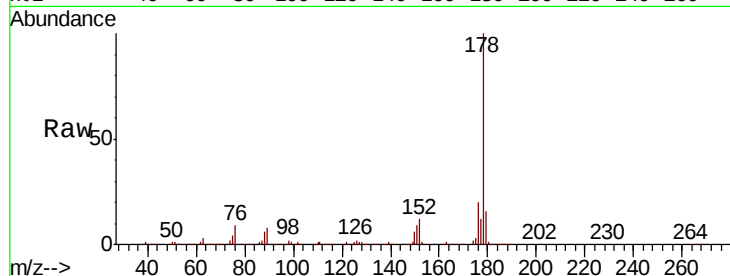




#71
Phenanthrene
Concen: 43.599 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

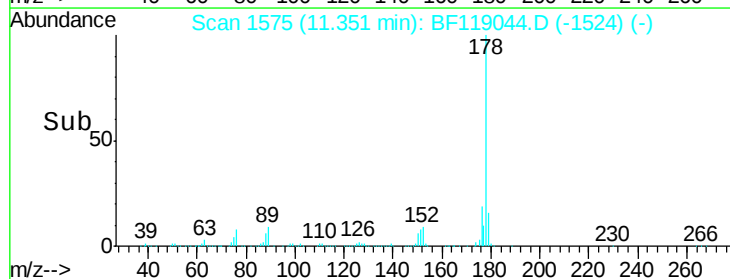
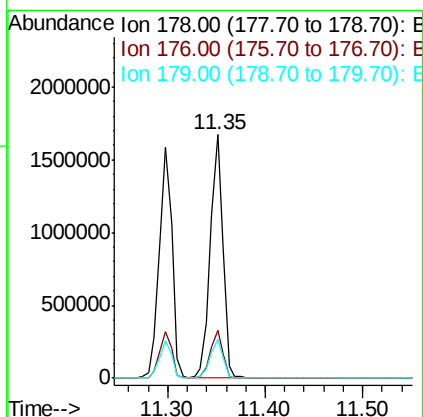
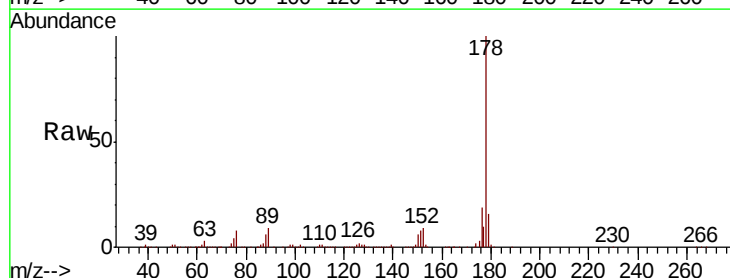
Instrument :
BNA_F
ClientSampleId :

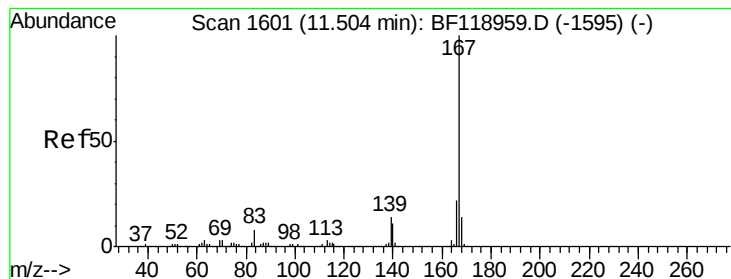
Tot Ion:178 Resp: 1448970
Ion Ratio Lower Upper
178 100
176 20.2 15.6 23.4
179 16.1 12.6 18.8



#72
Anthracene
Concen: 45.453 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion:178 Resp: 1509320
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.8 12.8 19.2





#73

Carbazole

Concen: 43.030 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampleId :

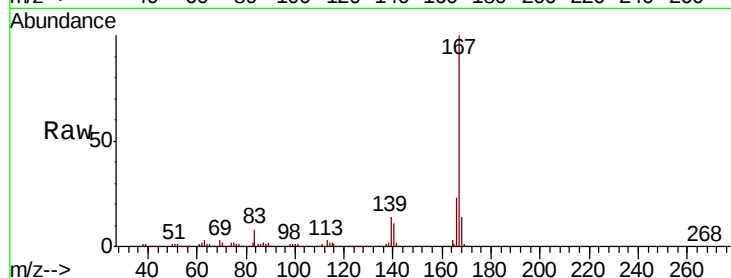
Tot Ion:167 Resp: 1272925

Ion Ratio Lower Upper

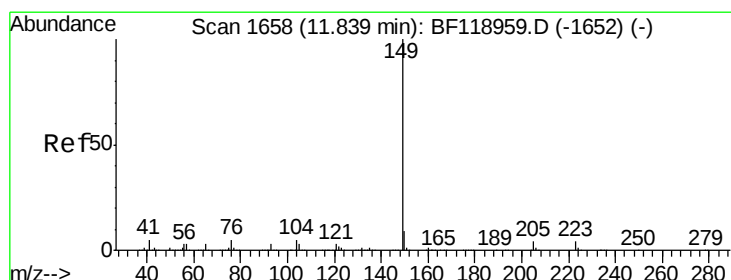
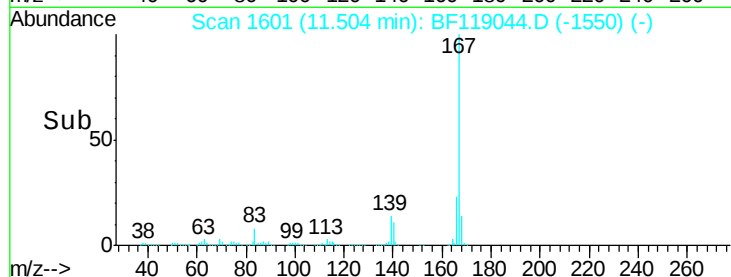
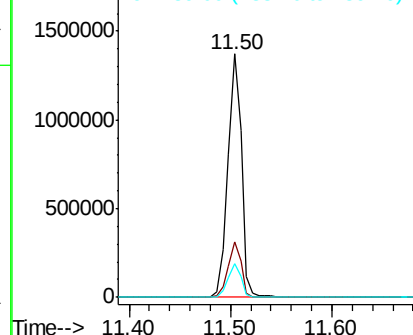
167 100

166 22.7 17.8 26.6

139 13.7 11.2 16.8



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



#74

Di-n-butylphthalate

Concen: 45.702 ng

RT: 11.83 min Scan# 1657

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

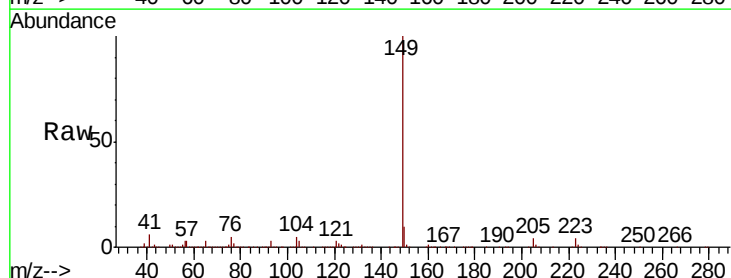
Tgt Ion:149 Resp: 1637267

Ion Ratio Lower Upper

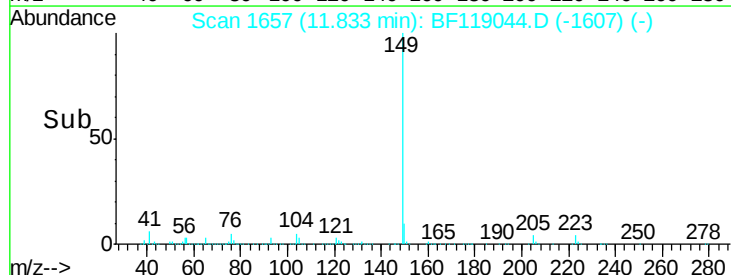
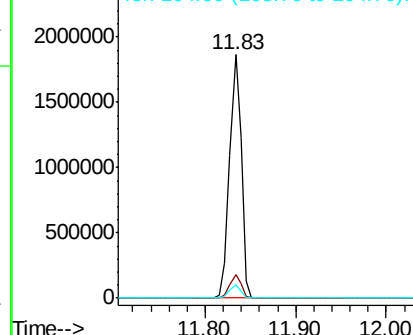
149 100

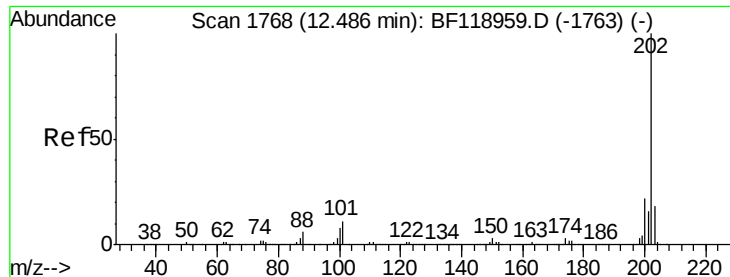
150 9.6 7.5 11.3

104 5.5 4.0 6.0



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





#75

Fluoranthene

Concen: 41.067 ng

RT: 12.49 min Scan# 1768

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

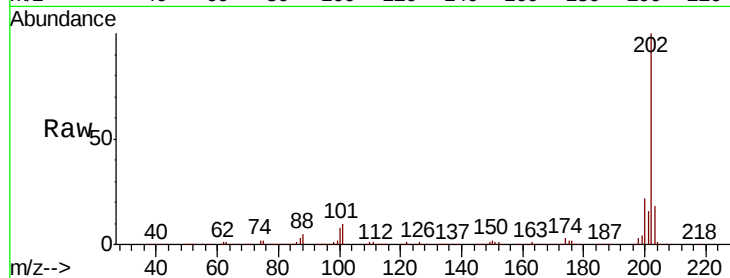
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 1448701

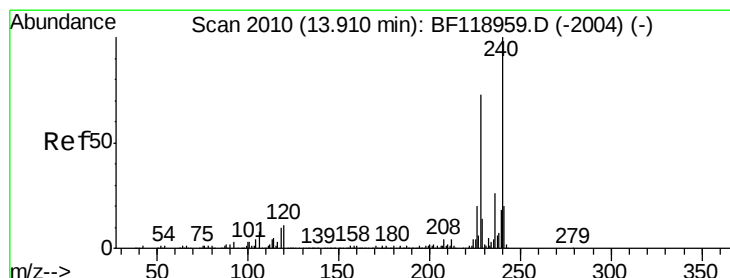
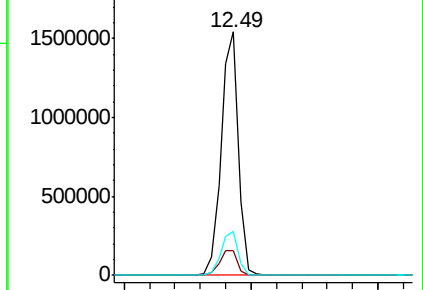
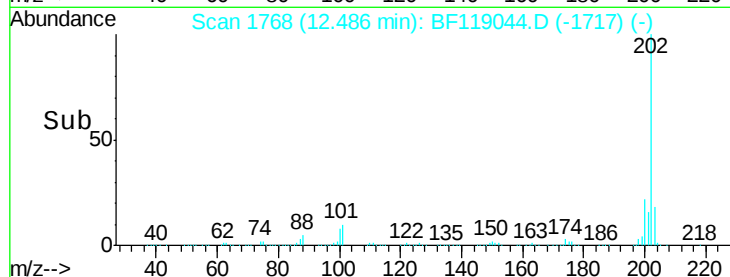
Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	31.1
203	17.9	0.0	38.1



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: 13.91 min Scan# 2010

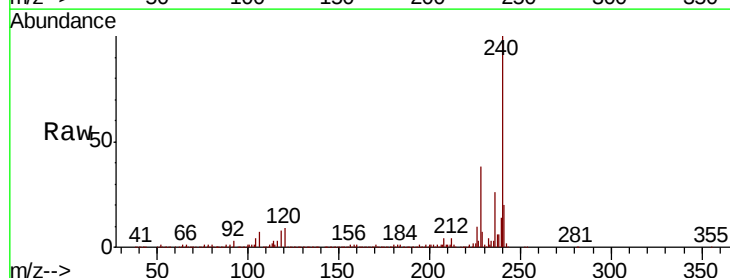
Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Tgt Ion:240 Resp: 386223

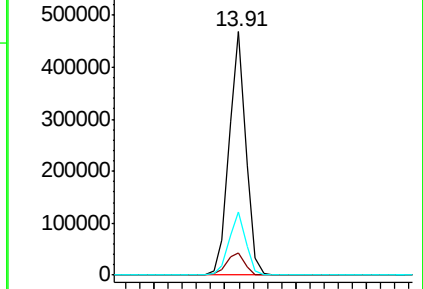
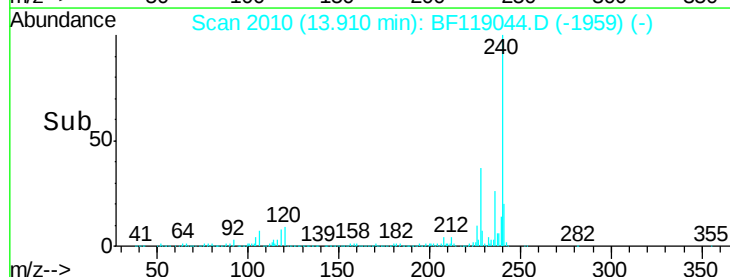
Ion	Ratio	Lower	Upper
240	100		
120	9.2	8.9	13.3
236	25.7	20.6	30.8



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: 25.744 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampleId :

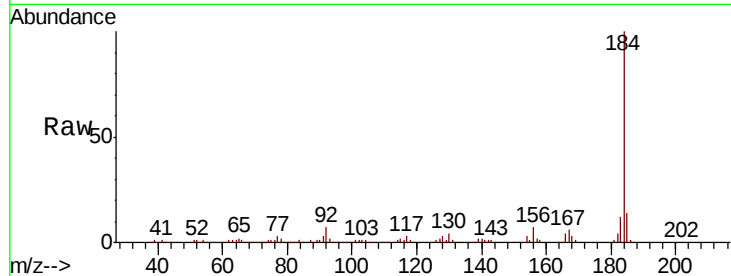
Tot Ion:184 Resp: 404366

Ion Ratio Lower Upper

184 100

185 14.1 12.6 19.0

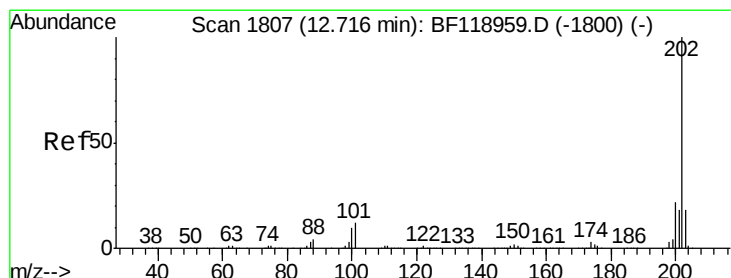
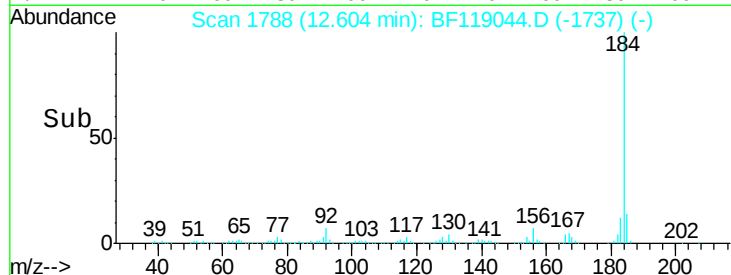
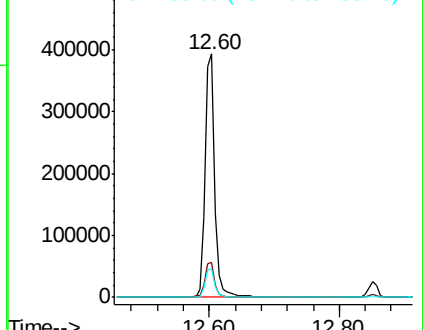
183 11.9 9.9 14.9



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: 45.970 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

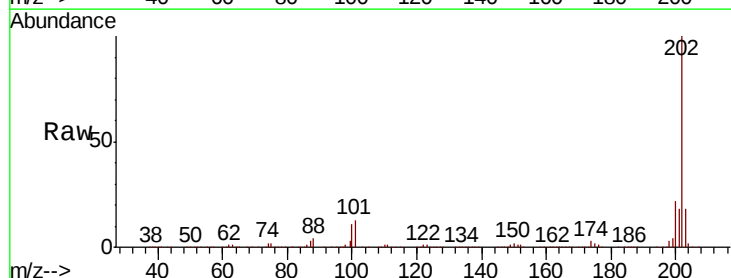
Tgt Ion:202 Resp: 1425680

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.0

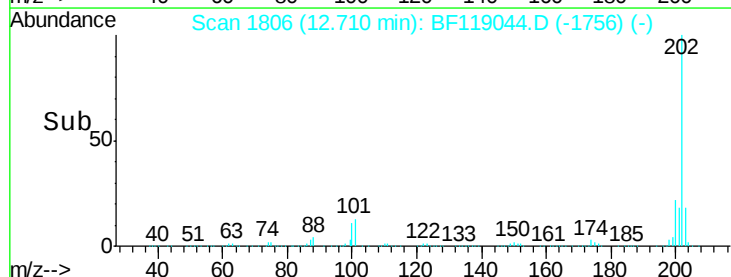
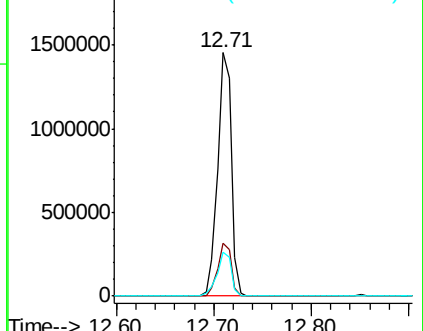
203 18.1 14.5 21.7

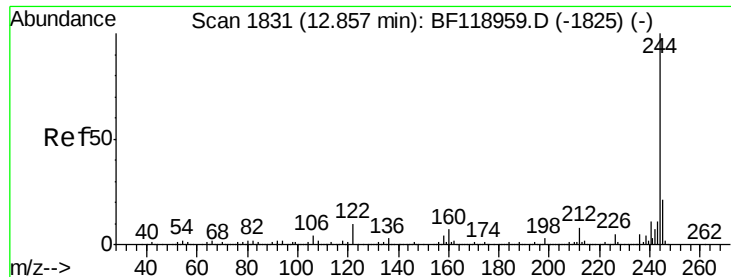


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 80.172 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampled :

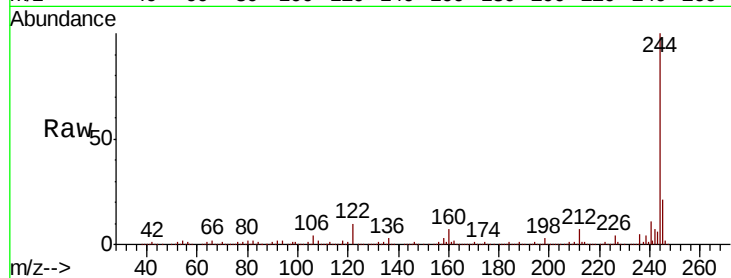
Tot Ion:244 Resp: 1798499

Ion Ratio Lower Upper

244 100

212 7.4 6.3 9.5

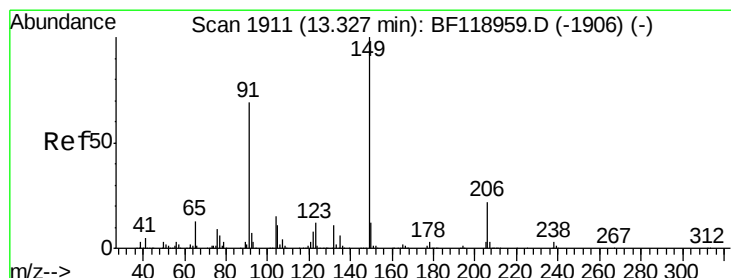
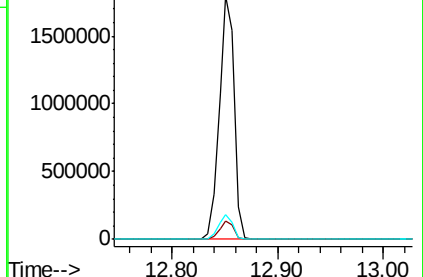
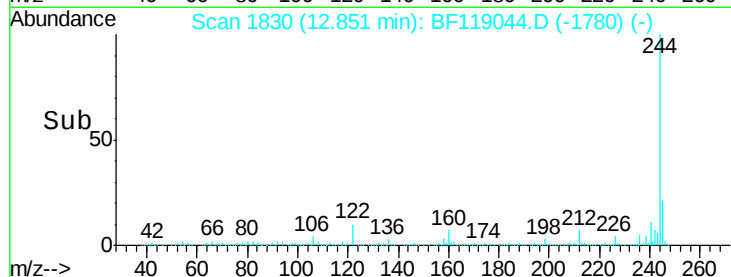
122 10.3 8.4 12.6



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: 48.514 ng

RT: 13.33 min Scan# 1911

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

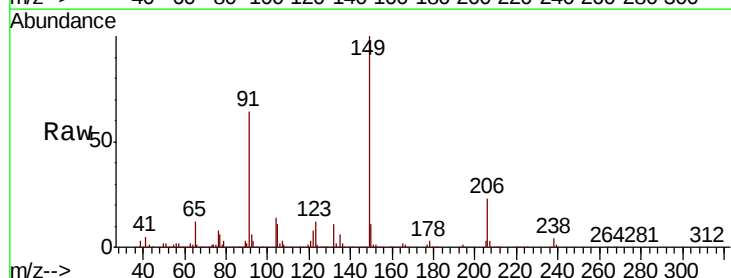
Tgt Ion:149 Resp: 633230

Ion Ratio Lower Upper

149 100

91 64.5 55.4 83.2

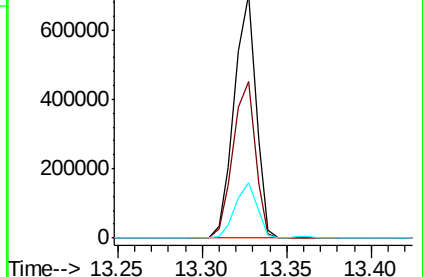
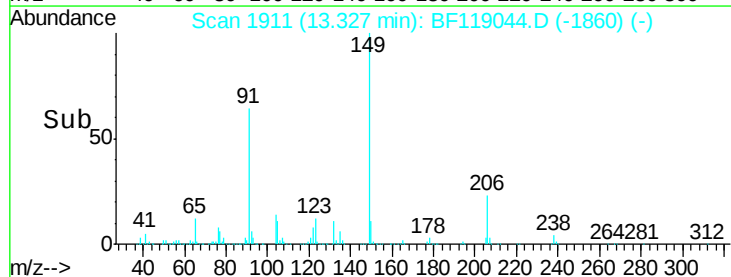
206 23.0 17.7 26.5

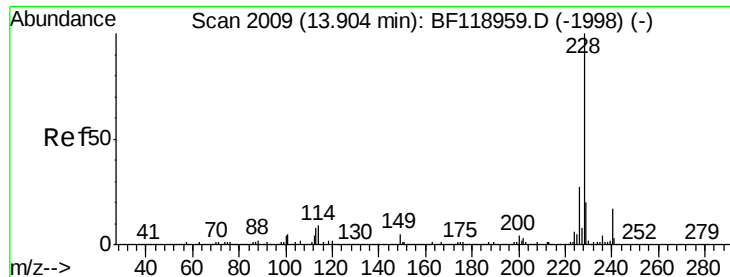


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 42.396 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampleId :

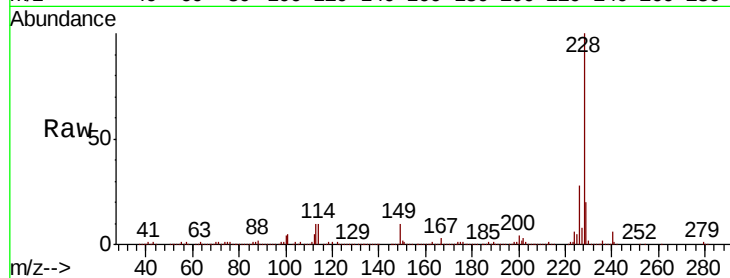
Tot Ion:228 Resp: 1115693

Ion Ratio Lower Upper

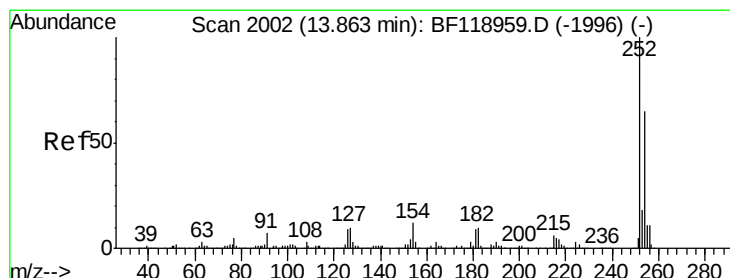
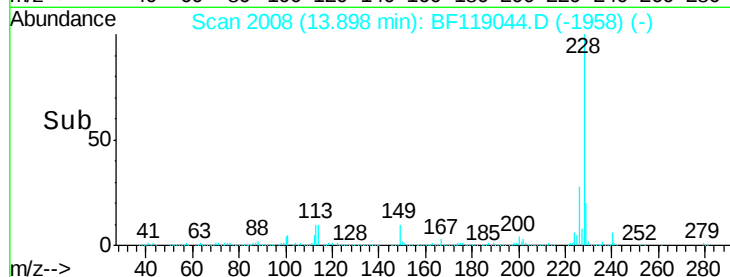
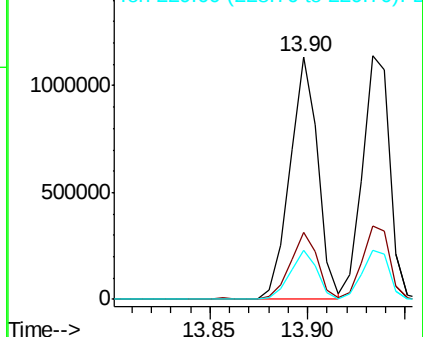
228 100

226 27.7 21.8 32.8

229 20.1 16.0 24.0



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: 23.579 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

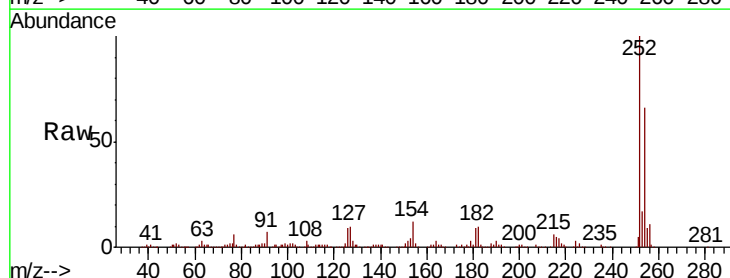
Tgt Ion:252 Resp: 240944

Ion Ratio Lower Upper

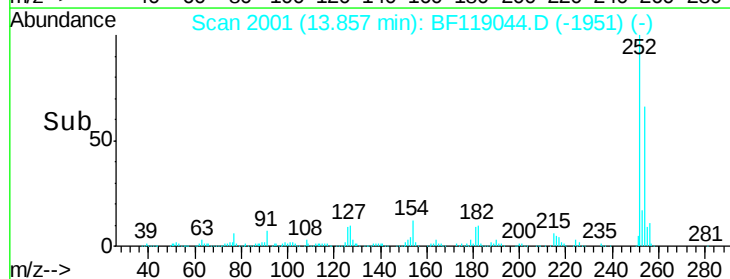
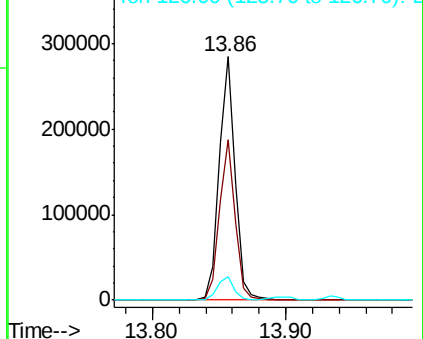
252 100

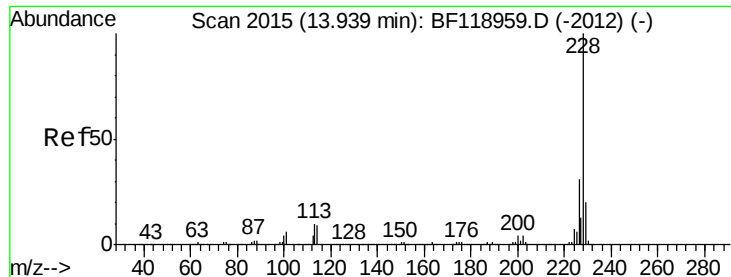
254 65.8 52.1 78.1

126 9.5 7.3 10.9



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



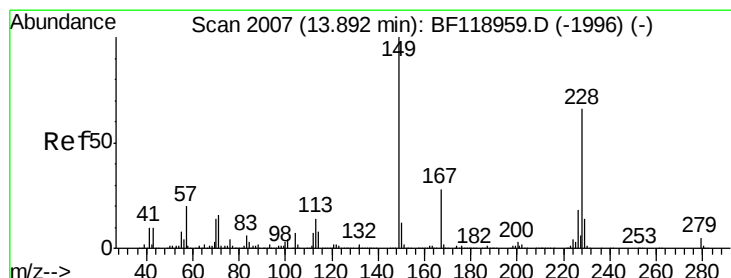
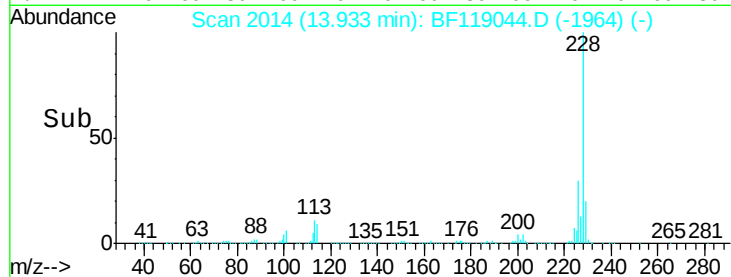
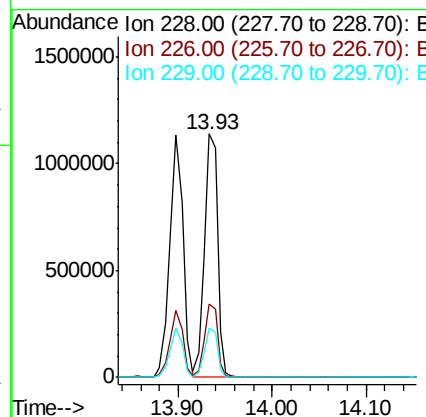
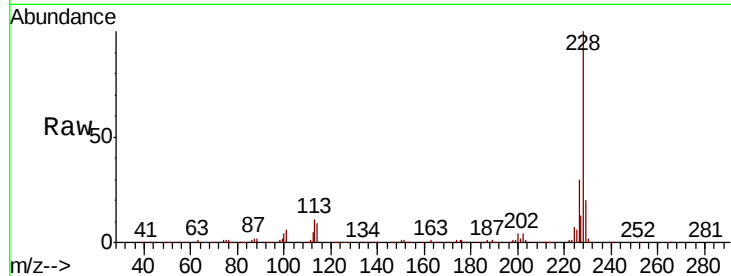


#83
 Chrvsene
 Concen: 42.339 ng
 RT: 13.93 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:228 Resp: 1110189

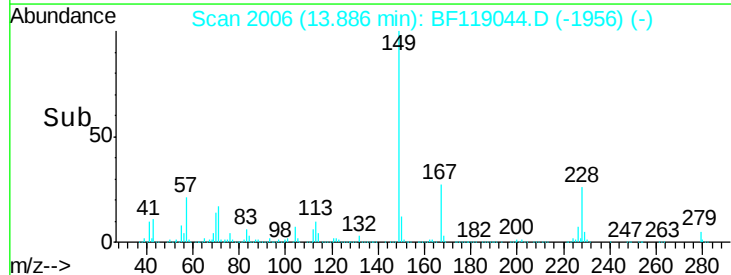
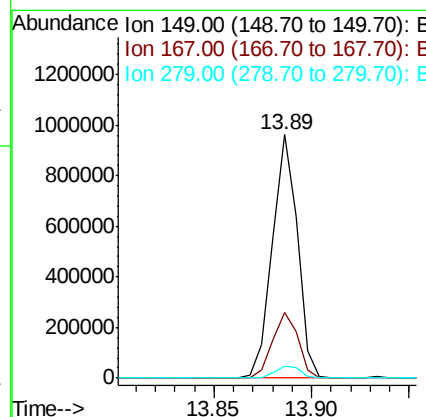
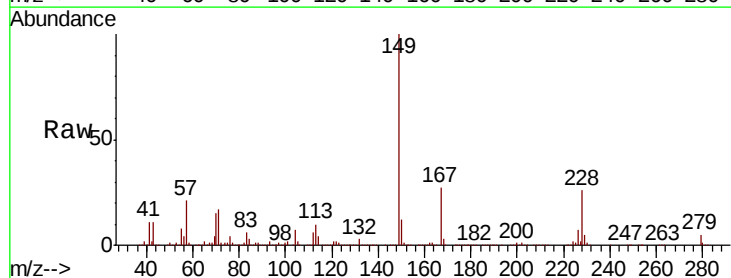
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.6	37.0
229	20.1	16.2	24.2



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 52.130 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

Tgt Ion:149 Resp: 859631

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.3	33.5
279	4.8	4.2	6.4





#85

Di-n-octyl phthalate

Concen: 50.992 ng

RT: 14.50 min Scan# 2110

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

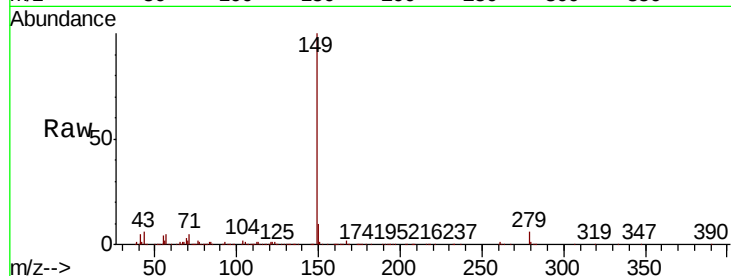
Instrument :

BNA_F

ClientSampleId :

Tot Ion:149 Resp: 1339737

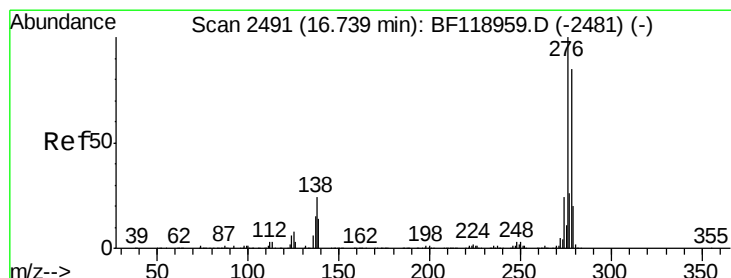
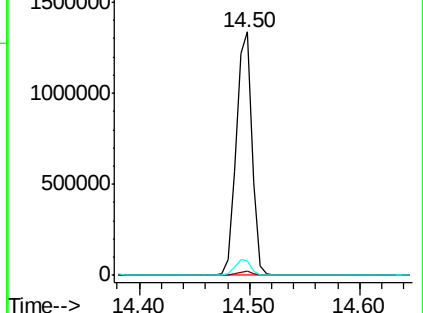
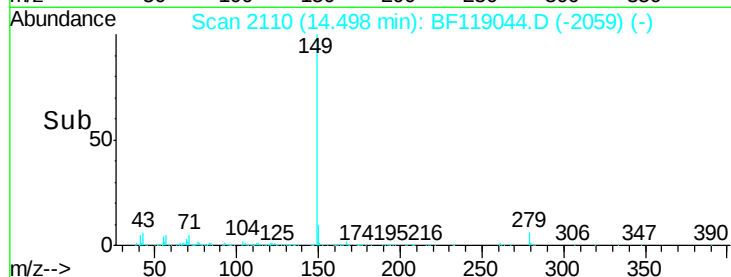
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	6.5	5.2	7.8



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: 50.082 ng

RT: 16.75 min Scan# 2493

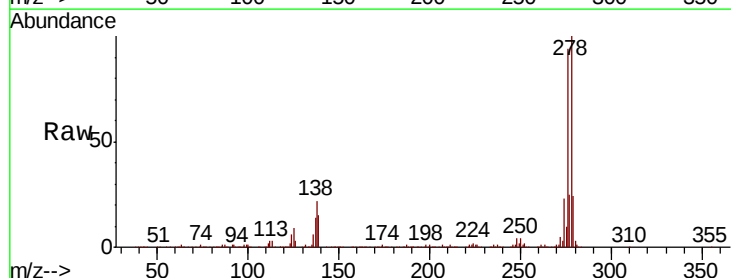
Delta R.T. 0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Tgt Ion:276 Resp: 1271561

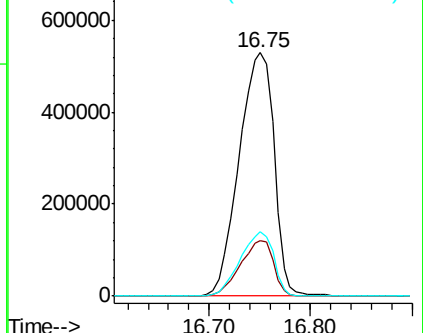
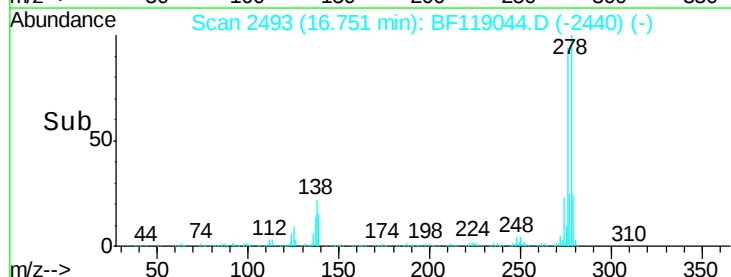
Ion	Ratio	Lower	Upper
276	100		
138	21.7	18.7	28.1
277	25.5	20.3	30.5

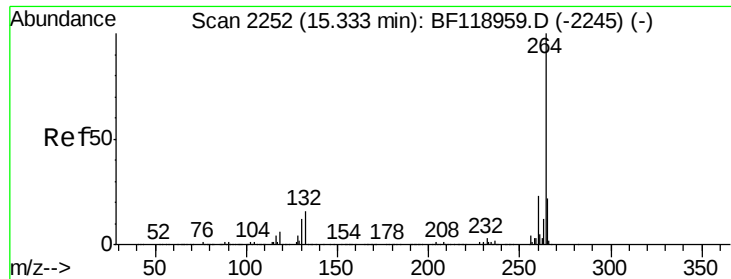


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

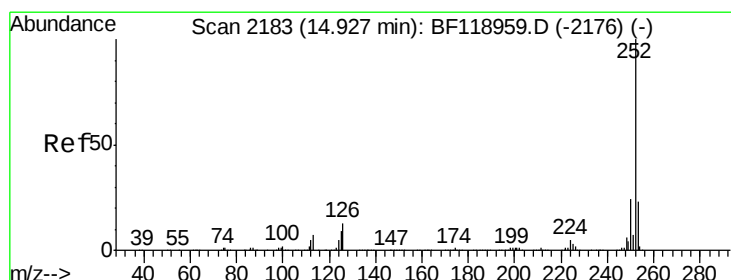
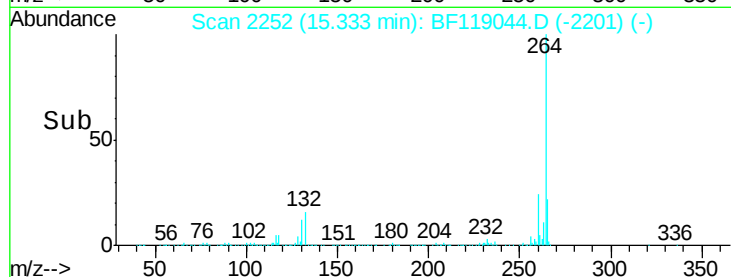
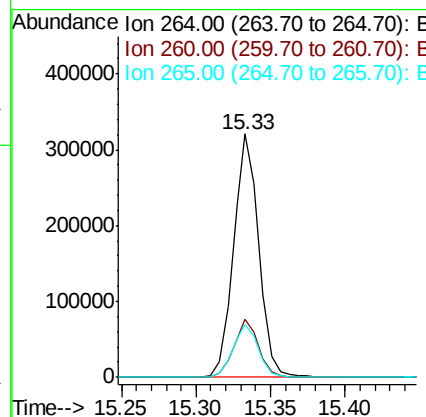
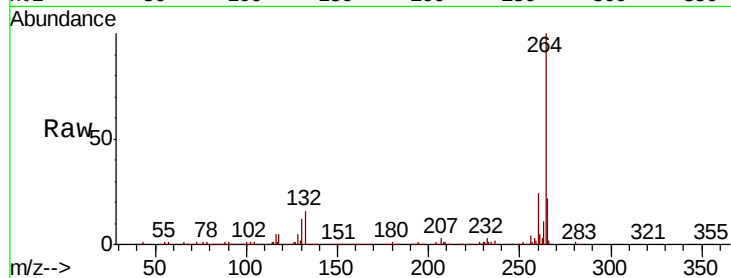




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

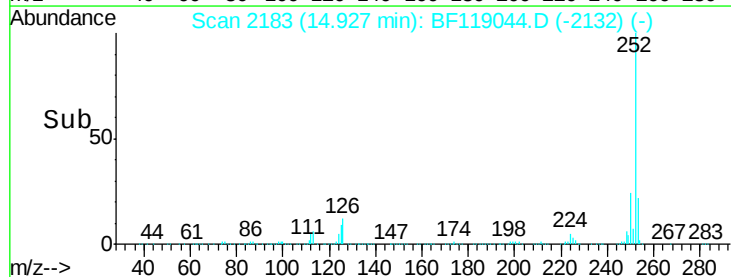
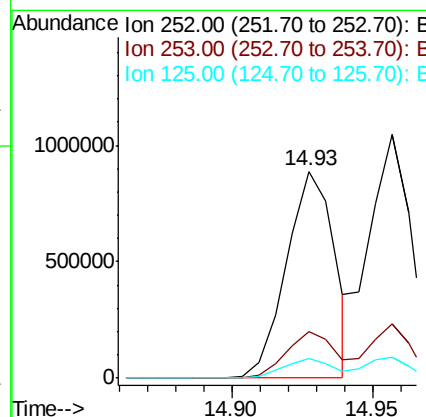
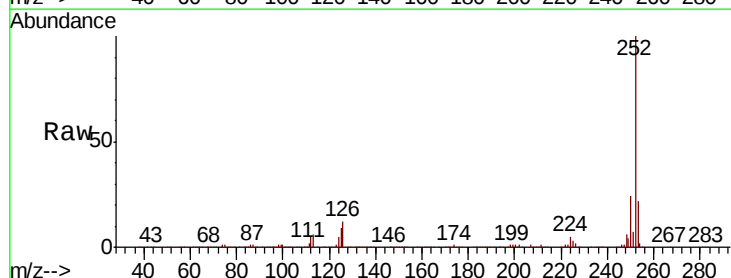
Instrument :
BNA_F
ClientSampleId :

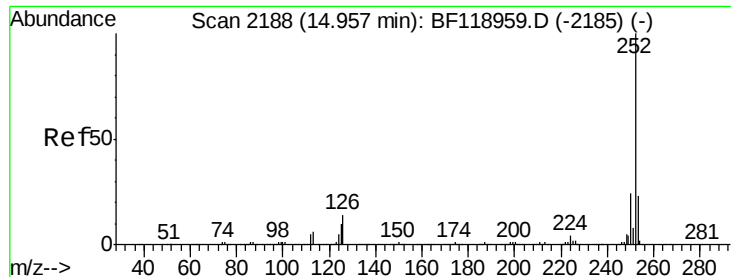
Tot Ion:264 Resp: 380548
Ion Ratio Lower Upper
264 100
260 23.7 18.6 28.0
265 21.9 17.3 25.9



#88
Benzo(b)fluoranthene
Concen: 41.824 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion:252 Resp: 1049107
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.2
125 9.4 7.4 11.0

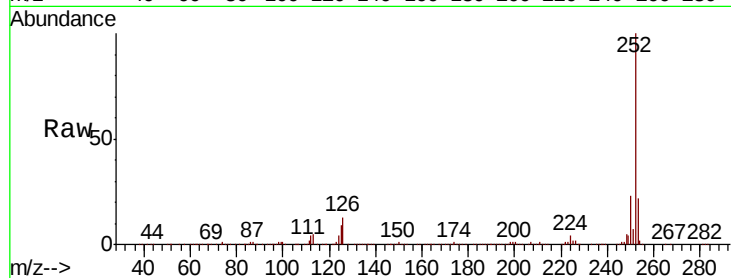




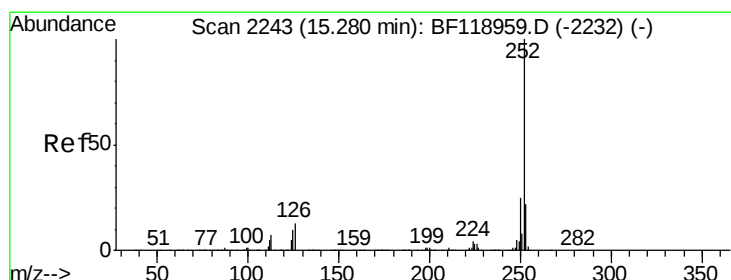
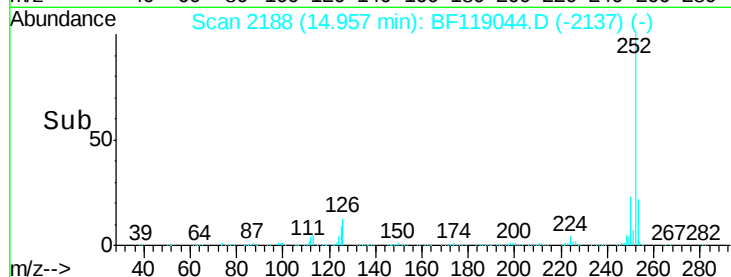
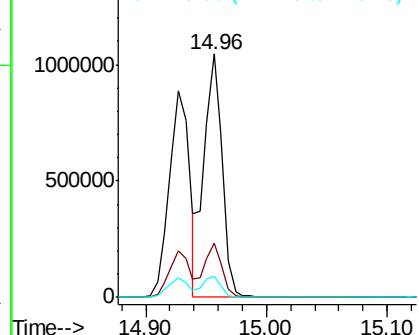
#89
Benzo(k)fluoranthene
Concen: 46.814 ng
RT: 14.96 min Scan# 2188
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 1088226
Ion Ratio Lower Upper
252 100
253 22.2 17.9 26.9
125 8.8 7.3 10.9

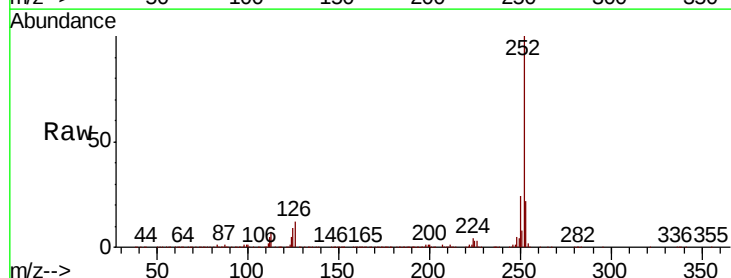


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

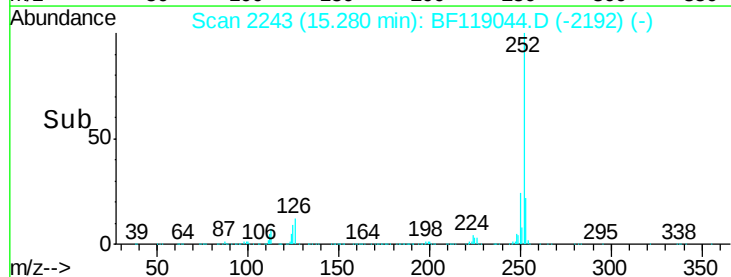
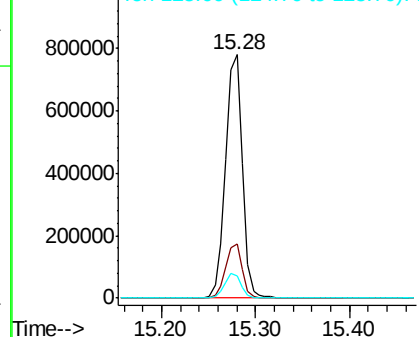


#90
Benzo(a)pyrene
Concen: 43.220 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion:252 Resp: 978437
Ion Ratio Lower Upper
252 100
253 22.0 17.9 26.9
125 9.3 7.8 11.6



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

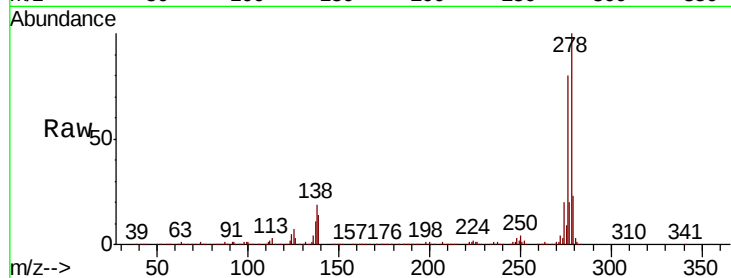




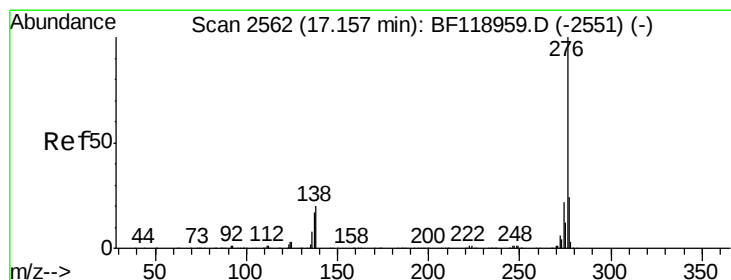
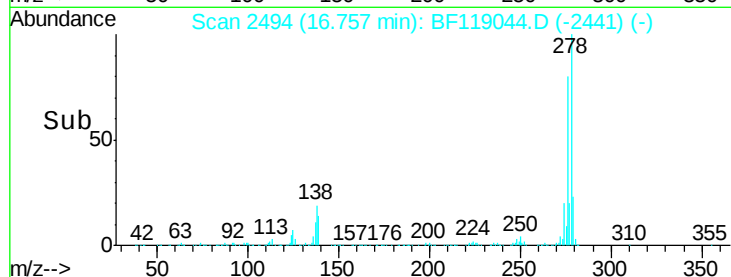
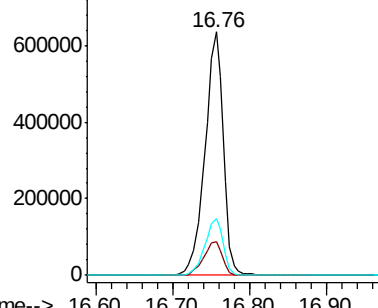
#91
Dibenzo(a,h)anthracene
Concen: 53.205 ng
RT: 16.76 min Scan# 2494
Delta R.T. 0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 1059803
Ion Ratio Lower Upper
278 100
139 13.8 12.6 18.8
279 23.4 19.0 28.6

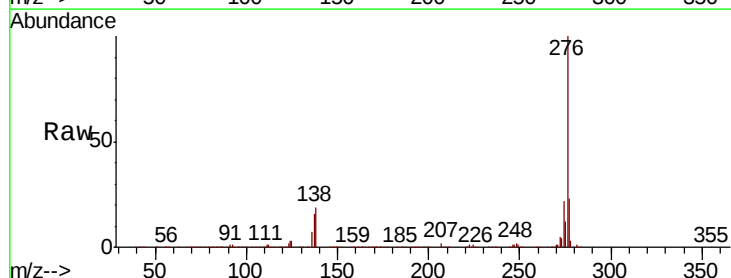


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 55.937 ng
RT: 17.17 min Scan# 2564
Delta R.T. 0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion:276 Resp: 1100913
Ion Ratio Lower Upper
276 100
277 23.3 19.2 28.8
138 19.1 16.2 24.4



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

