

Data Path : \\TERASTORAGE\SVOASRV\HPCHEM1\BNA_F\DATA\BF012518\
 Data File : BF102458.D
 Acq On : 26 Jan 2018 8:21
 Operator : SJ/JU
 Sample : J1236-04DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20A-5DL

Quant Time: Jan 26 11:41:29 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 25 13:44:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	114140	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	437651	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	173715	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	280786	20.00	ng	0.00
75) Chrysene-d12	13.87	240	278795	20.00	ng	0.00
86) Perylene-d12	15.30	264	221551	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	185804	24.68	ng	0.00
7) Phenol-d6	6.35	99	210176	23.16	ng	-0.02
23) Nitrobenzene-d5	7.28	82	127922	16.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	32399	18.82	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	206799	17.50	ng	-0.01
78) Terphenyl-d14	12.82	244	181264	14.66	ng	-0.01

Target Compounds

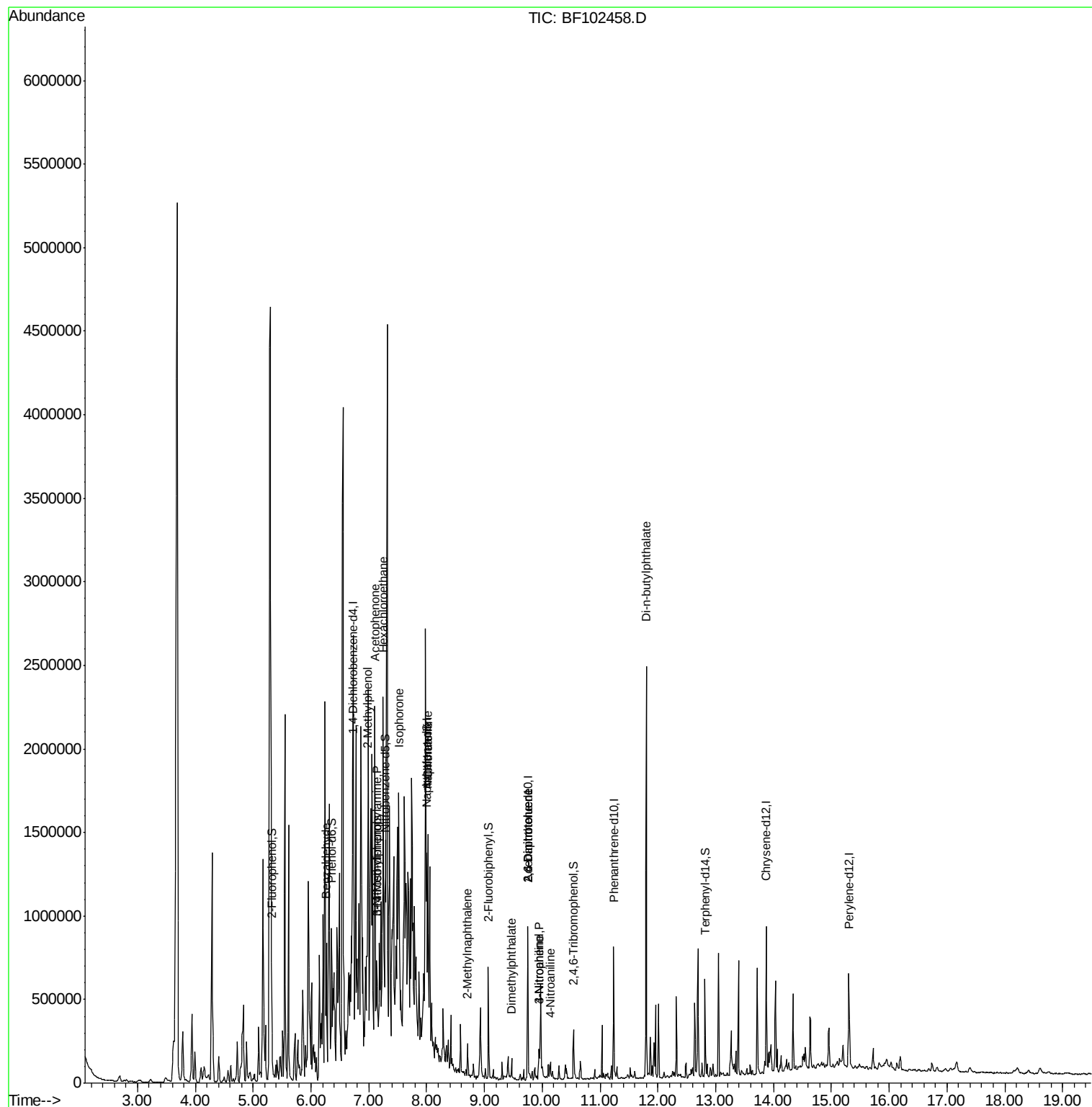
						Qvalue
9) Benzaldehyde	6.27	77	20474	3.234	ng	# 1
17) 2-Methylphenol	6.98	107	21191	3.092	ng	# 73
18) Hexachloroethane	7.25	117	62769	19.161	ng	# 1
19) n-Nitroso-di-n-propylamine	7.14	70	22061	3.972	ng	# 65
20) 3+4-Methylphenols	7.13	107	30556	3.791	ng	# 89
22) Acetophenone	7.11	105	137495	13.179	ng	# 53
25) Isophorone	7.52	82	41120	3.029	ng	# 1
31) Naphthalene	8.02	128	342795	15.688	ng	99
33) 4-Chloroaniline	8.02	127	47416	5.160	ng	# 40
37) 2-Methylnaphthalene	8.71	142	55571	3.819	ng	97
49) Dimethylphthalate	9.47	163	30235	2.106	ng	98
50) 2,6-Dinitrotoluene	9.75	165	22612	7.304	ng	# 25
52) 3-Nitroaniline	9.95	138	25515	6.967	ng	# 44
55) 4-Nitrophenol	9.95	139	5311	2.197	ng	# 1
56) 2,4-Dinitrotoluene	9.75	165	22612	5.940	ng	# 22
61) 4-Nitroaniline	10.14	138	7855	2.149	ng	# 45
73) Di-n-butylphthalate	11.80	149	1259789	61.859	ng	100

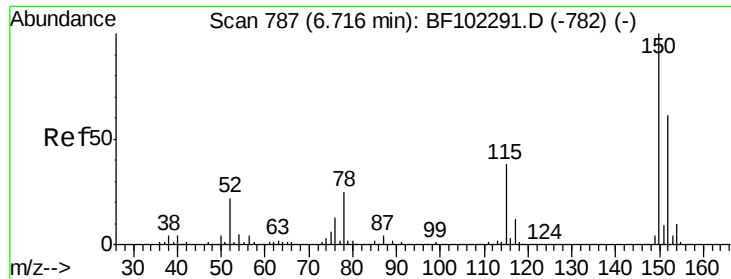
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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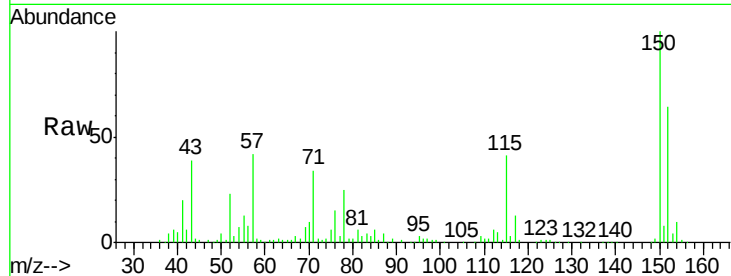


#1

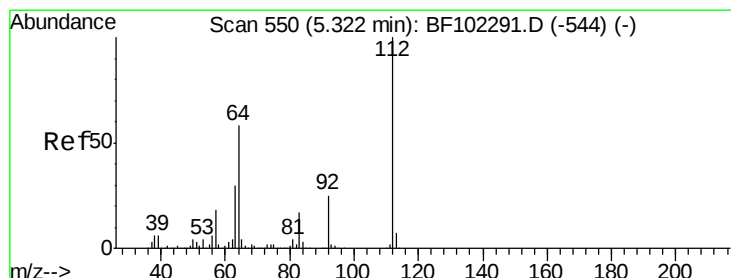
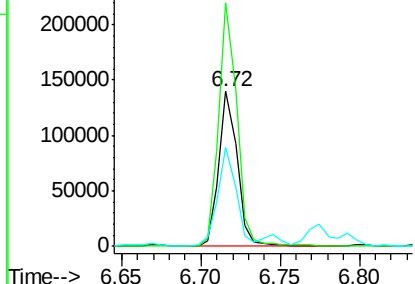
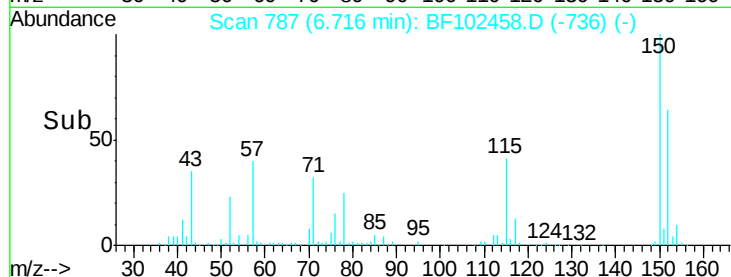
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102458.D
Acq: 26 Jan 2018 8:21

Instrument :
BNA_F
ClientSampleId :
20A-5DL

Tgt Ion:152 Resp: 114140
Ion Ratio Lower Upper
152 100
150 157.4 124.6 186.8
115 64.4 50.1 75.1



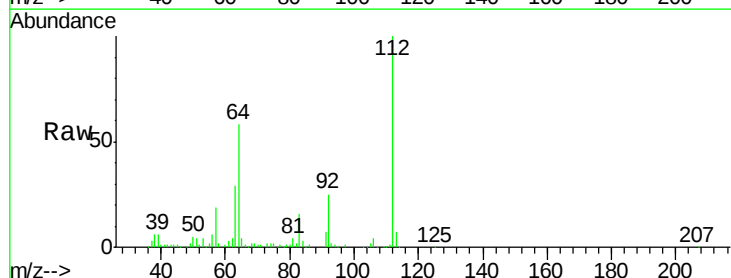
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



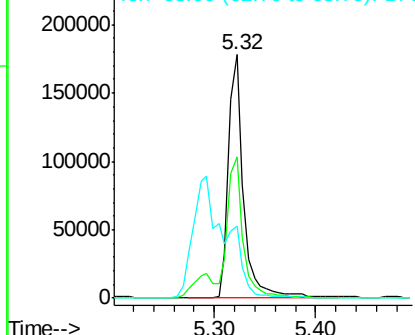
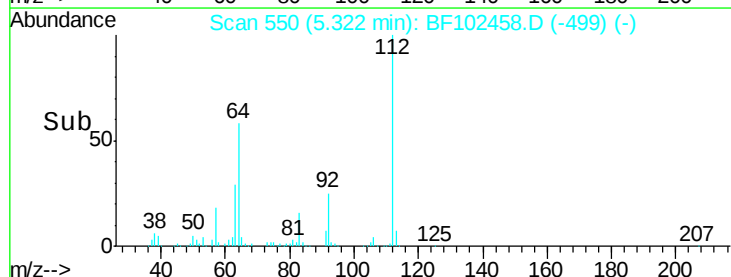
#5

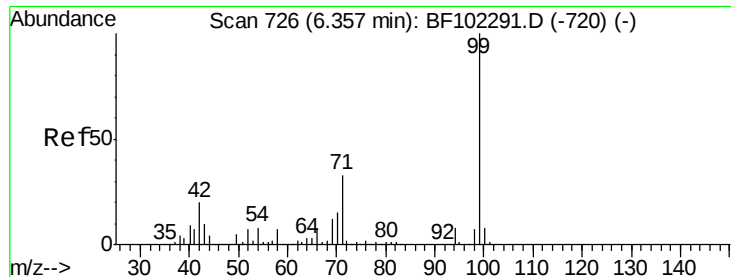
2-Fluorophenol
Concen: 24.683 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF102458.D
Acq: 26 Jan 2018 8:21

Tgt Ion:112 Resp: 185804
Ion Ratio Lower Upper
112 100
64 58.3 47.9 71.9
63 29.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 23.159 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF102458.D

Acq: 26 Jan 2018 8:21

Instrument :

BNA_F

ClientSampleId :

20A-5DL

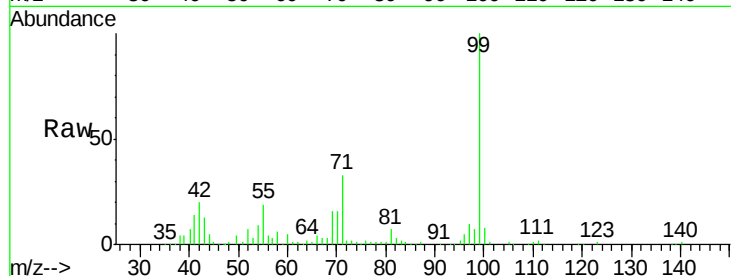
Tgt Ion: 99 Resp: 210176

Ion Ratio Lower Upper

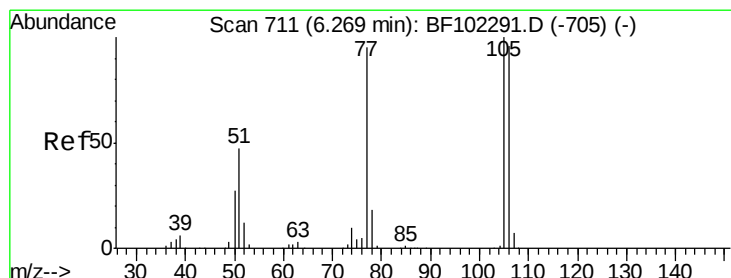
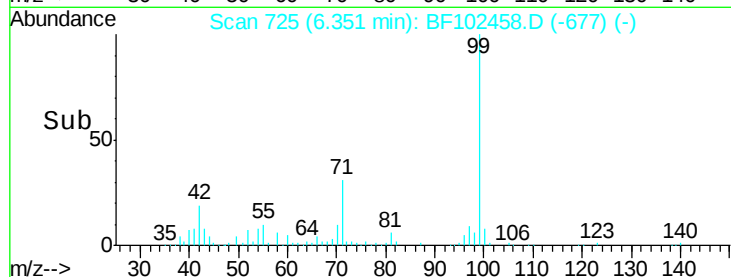
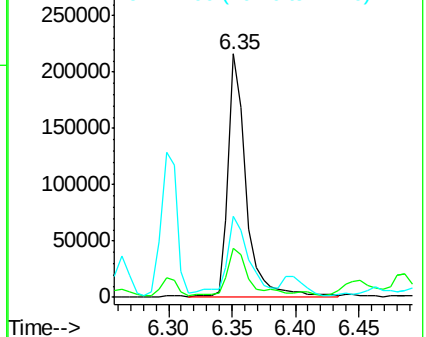
99 100

42 20.3 14.5 21.7

71 33.1 25.4 38.0



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



#9

Benzaldehyde

Concen: 3.234 ng

RT: 6.27 min Scan# 711

Delta R.T. 0.00 min

Lab File: BF102458.D

Acq: 26 Jan 2018 8:21

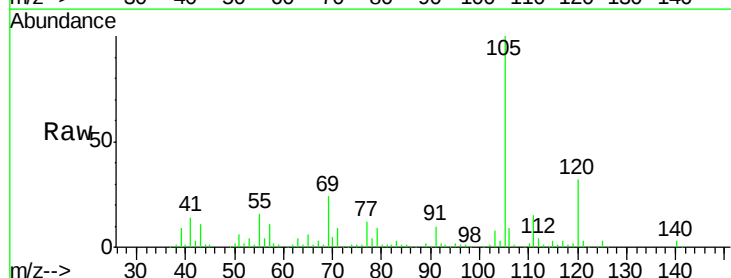
Tgt Ion: 77 Resp: 20474

Ion Ratio Lower Upper

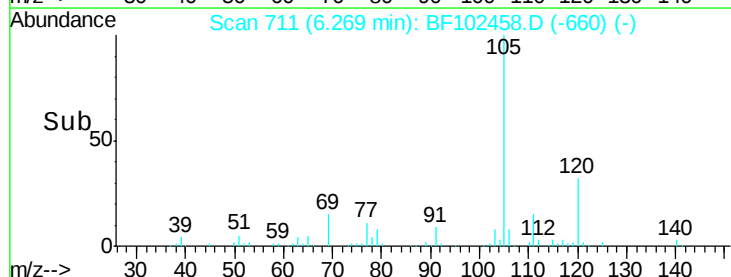
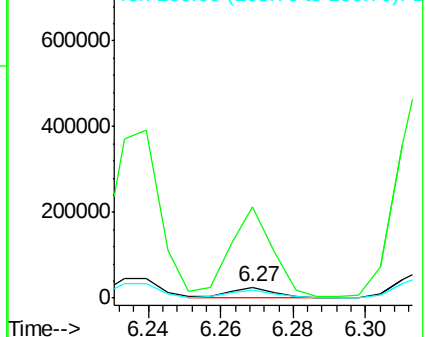
77 100

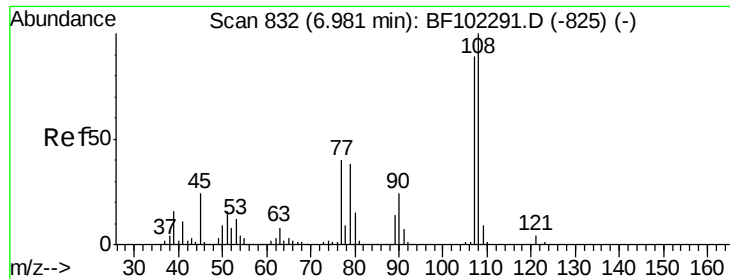
105 861.7 81.1 121.1#

106 73.7 74.5 114.5#



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

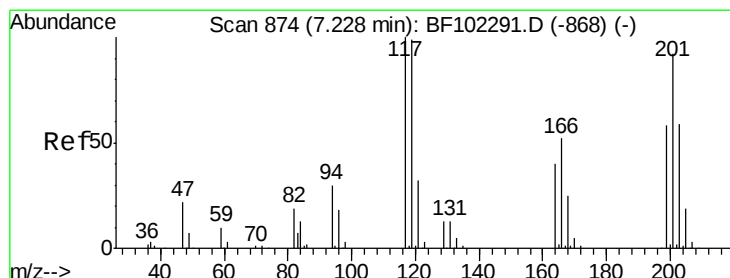
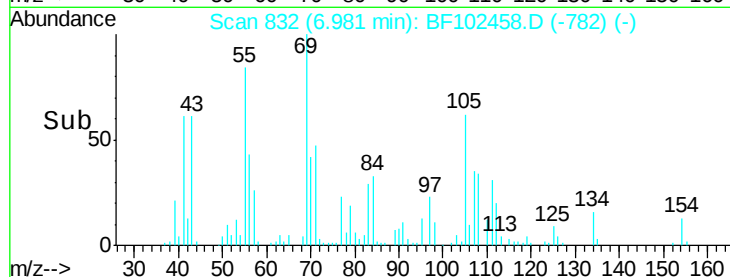
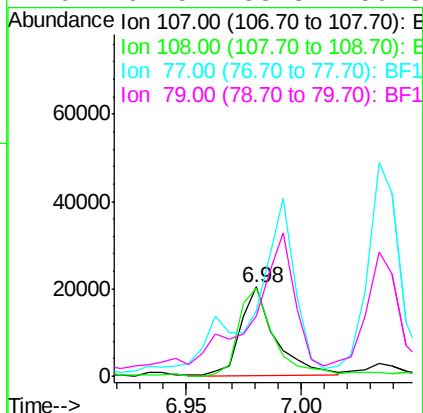
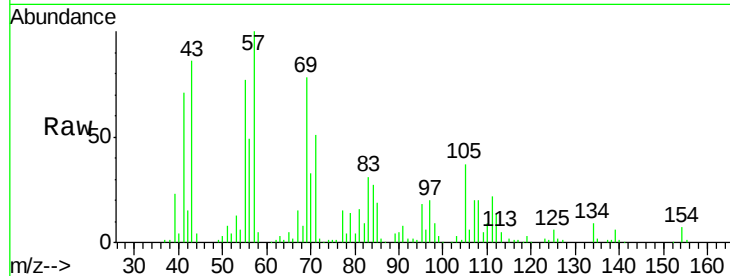




#17
2-Methylphenol
Concen: 3.092 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF102458.D
Acq: 26 Jan 2018 8:21

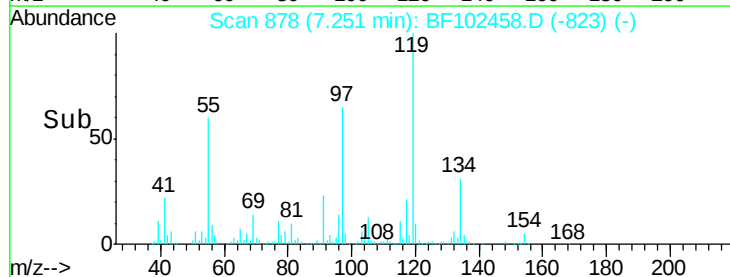
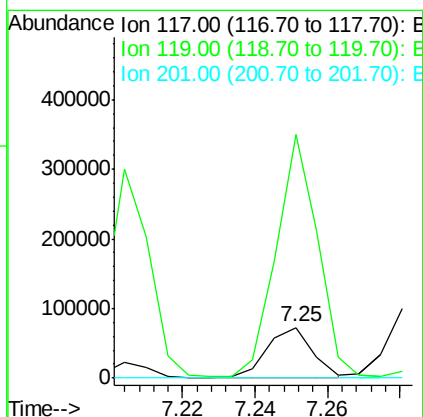
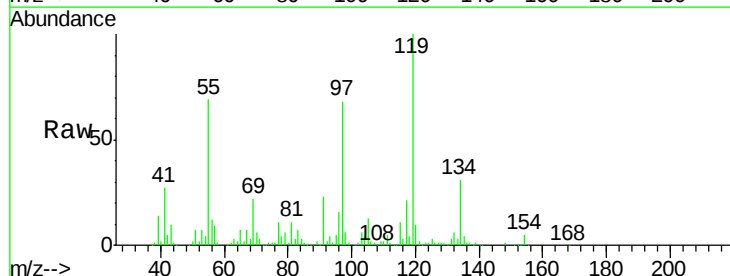
Instrument :
BNA_F
ClientSampleId :
20A-5DL

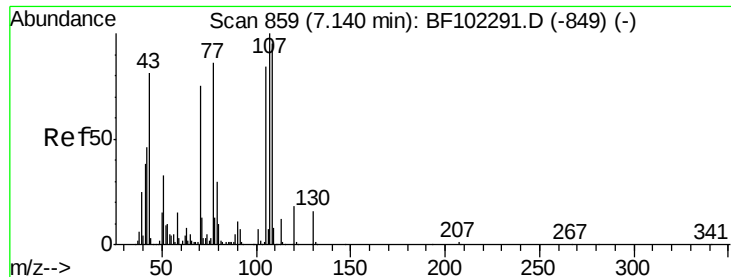
Tgt Ion:107 Resp: 21191
Ion Ratio Lower Upper
107 100
108 98.5 91.7 137.5
77 72.6 33.8 50.8#
79 67.5 33.8 50.8#



#18
Hexachloroethane
Concen: 19.161 ng
RT: 7.25 min Scan# 878
Delta R.T. 0.02 min
Lab File: BF102458.D
Acq: 26 Jan 2018 8:21

Tgt Ion:117 Resp: 62769
Ion Ratio Lower Upper
117 100
119 479.4 75.8 113.8#
201 0.0 75.7 113.5#

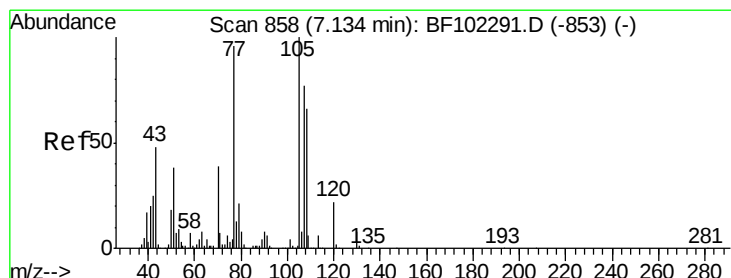
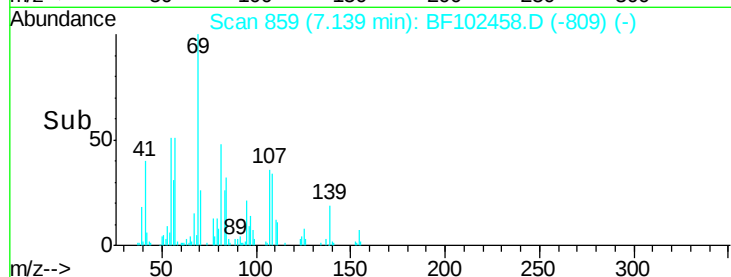
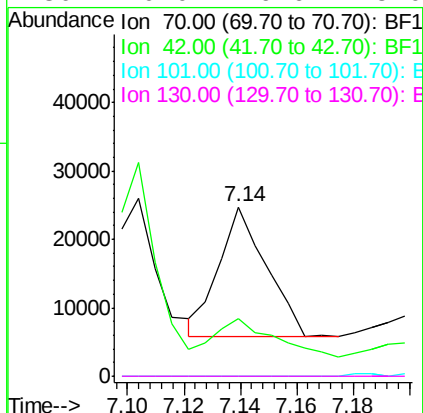
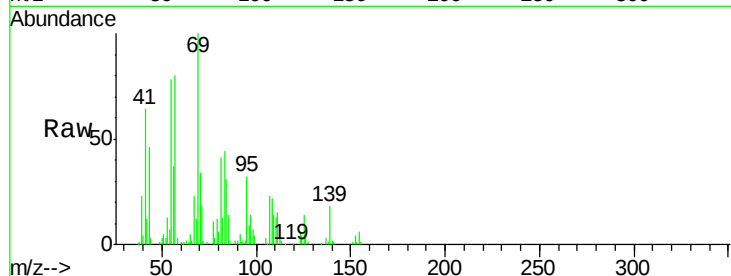




#19
n-Nitroso-di-n-propylamine
Concen: 3.972 ng
RT: 7.14 min Scan# 859
Delta R.T. -0.01 min
Lab File: BF102458.D
Acq: 26 Jan 2018 8:21

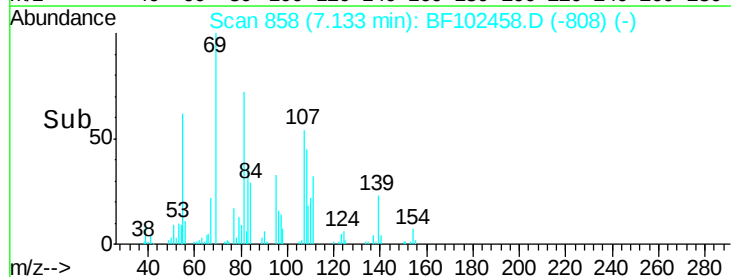
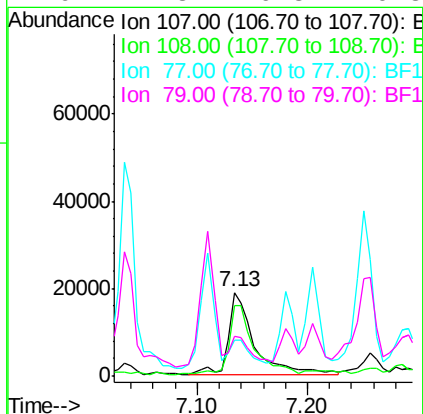
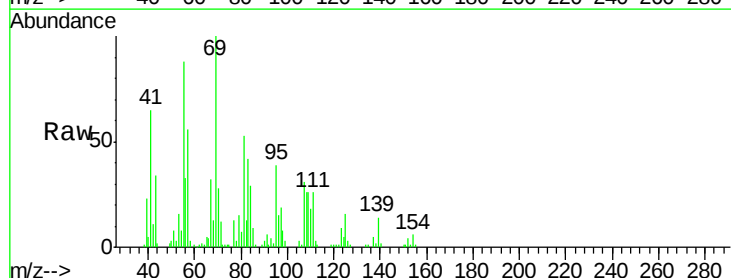
Instrument :
BNA_F
ClientSampleId :
20A-5DL

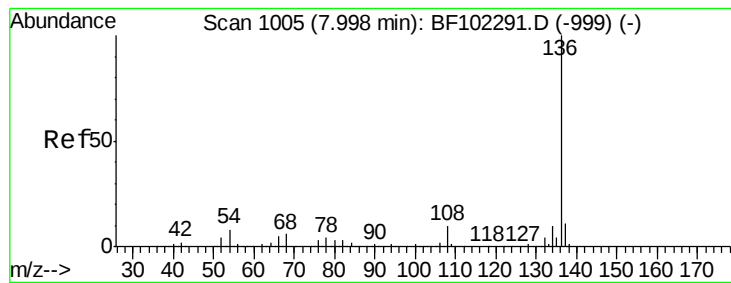
Tgt Ion: 70 Resp: 22061
Ion Ratio Lower Upper
70 100
42 34.3 47.5 71.3#
101 0.0 7.4 11.2#
130 0.0 16.6 25.0#



#20
3+4-Methylphenols
Concen: 3.791 ng
RT: 7.13 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF102458.D
Acq: 26 Jan 2018 8:21

Tgt Ion: 107 Resp: 30556
Ion Ratio Lower Upper
107 100
108 84.2 68.2 108.2
77 42.7 26.7 66.7
79 47.3 6.3 46.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF102458.D

Acq: 26 Jan 2018 8:21

Instrument :

BNA_F

ClientSampleId :

20A-5DL

Tgt Ion:136 Resp: 437651

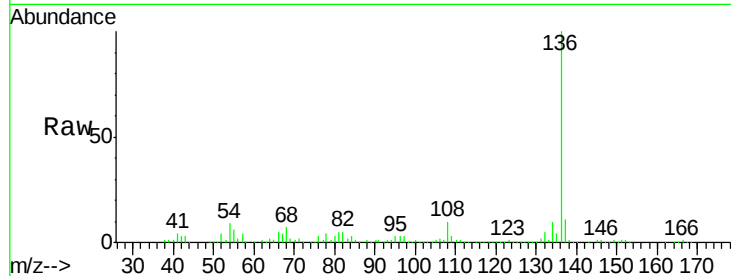
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.0 6.6 9.8

68 6.5 5.0 7.4

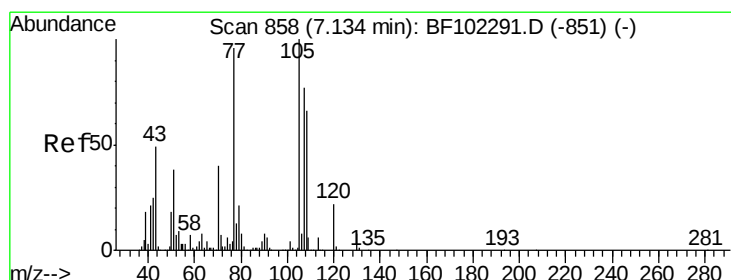
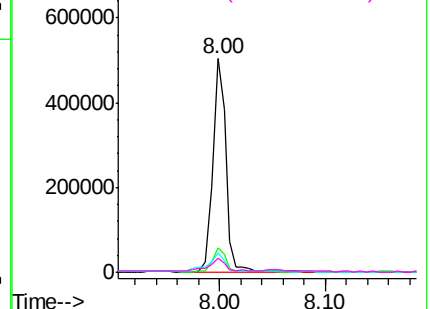
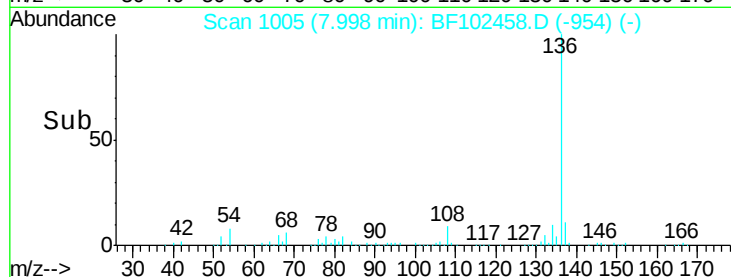


Abundance Ion 136.00 (135.70 to 136.70): E

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: 13.179 ng

RT: 7.11 min Scan# 854

Delta R.T. -0.02 min

Lab File: BF102458.D

Acq: 26 Jan 2018 8:21

Tgt Ion:105 Resp: 137495

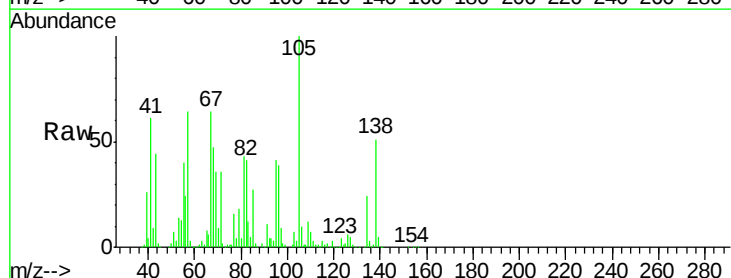
Ion Ratio Lower Upper

105 100

71 36.3 4.4 6.6#

51 7.0 22.3 33.5#

120 0.4 16.9 25.3#

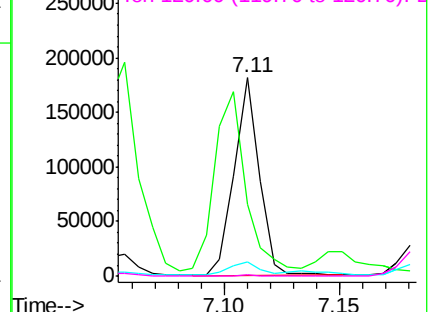
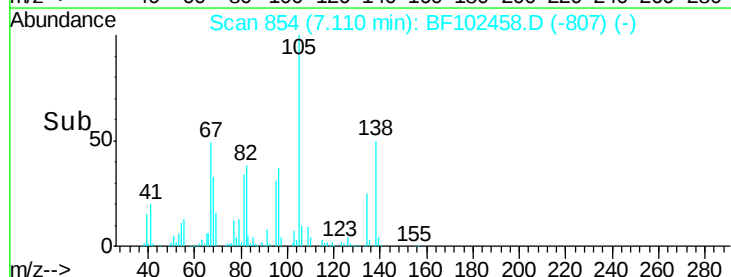


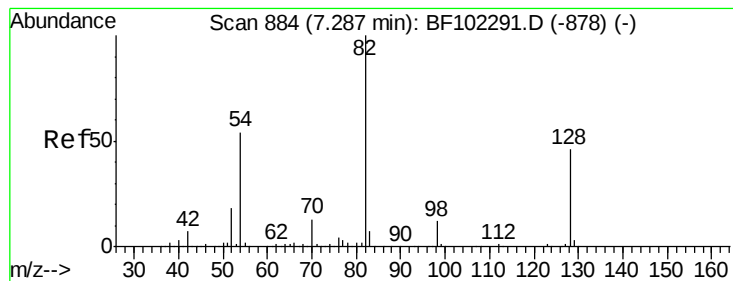
Abundance Ion 105.00 (104.70 to 105.70): E

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: 16.797 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102458.D

Acq: 26 Jan 2018 8:21

Instrument :

BNA_F

ClientSampleId :

20A-5DL

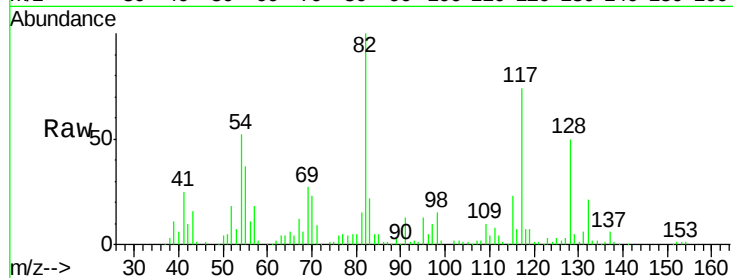
Tgt Ion: 82 Resp: 127922

Ion Ratio Lower Upper

82 100

128 50.3 36.1 54.1

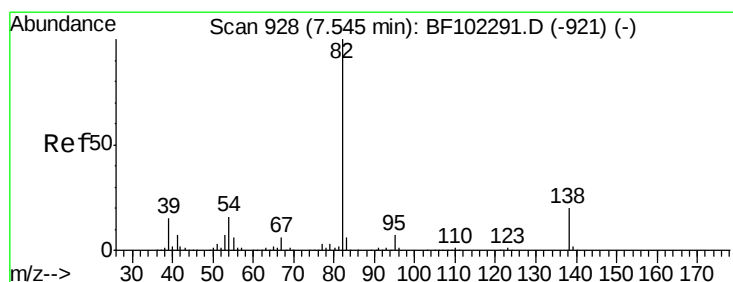
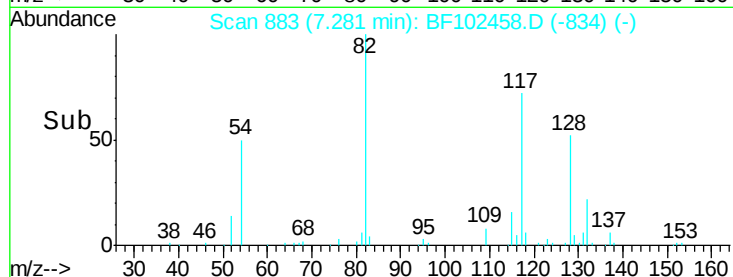
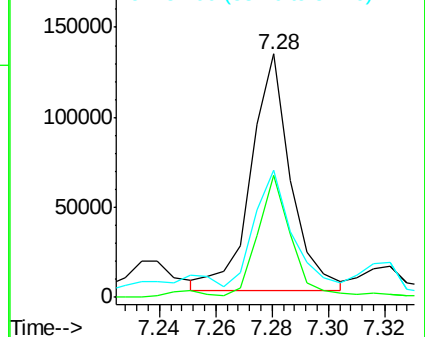
54 52.4 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 3.029 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.02 min

Lab File: BF102458.D

Acq: 26 Jan 2018 8:21

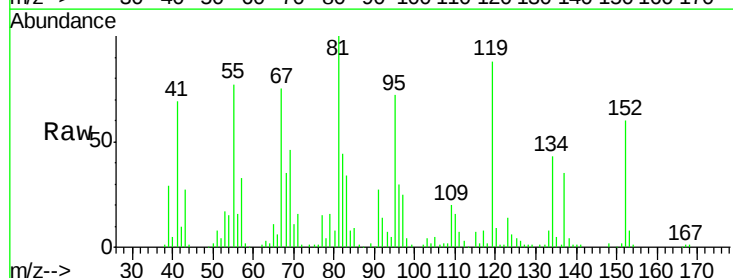
Tgt Ion: 82 Resp: 41120

Ion Ratio Lower Upper

82 100

95 163.9 5.2 7.8#

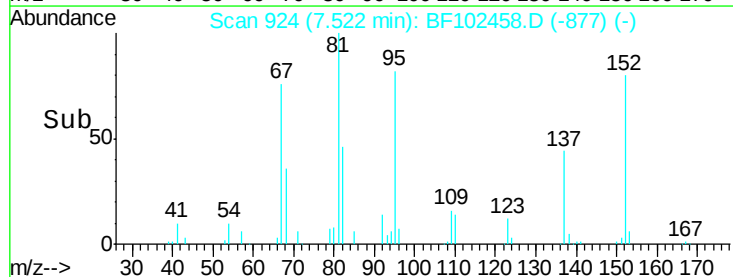
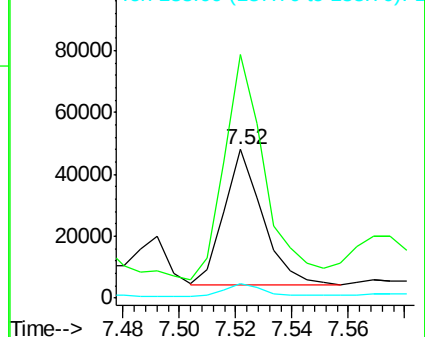
138 10.0 14.9 22.3#

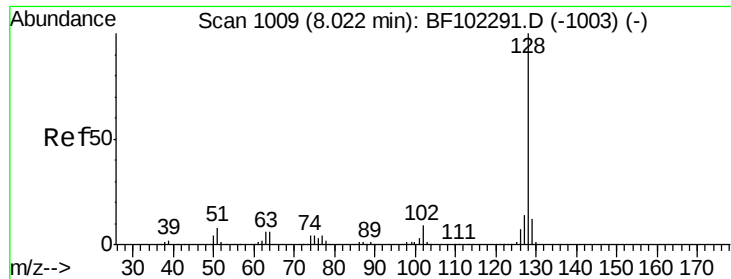


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

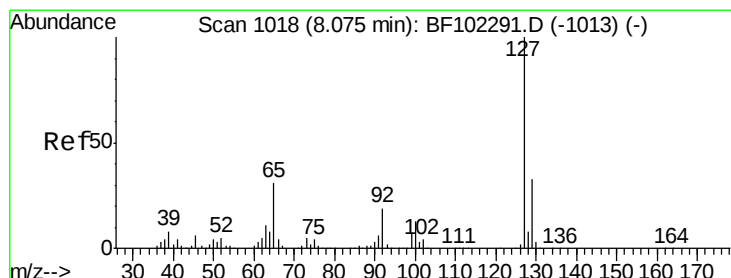
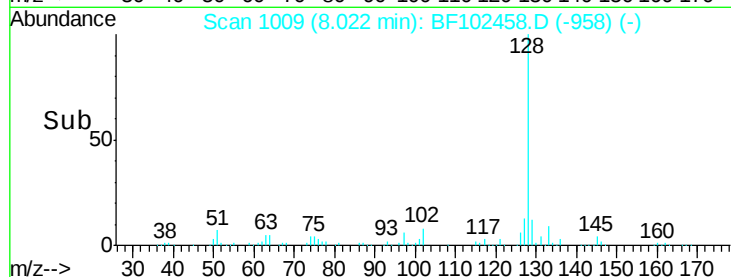
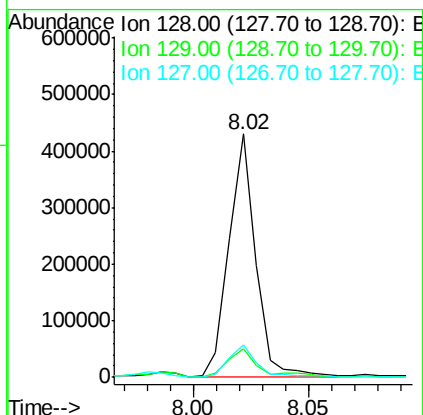
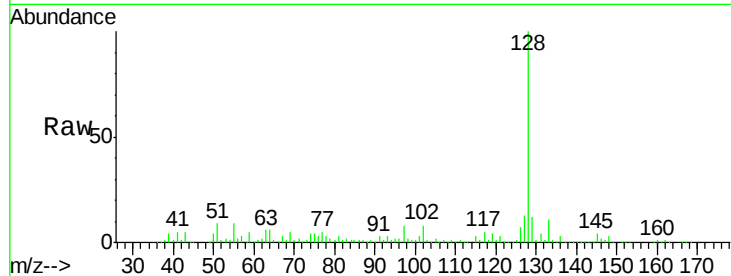




#31
Naphthalene
Concen: 15.688 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF102458.D
Acq: 26 Jan 2018 8:21

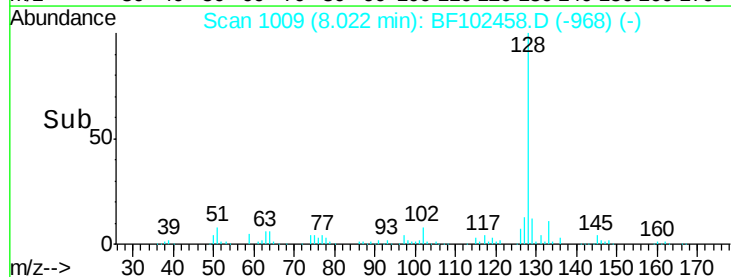
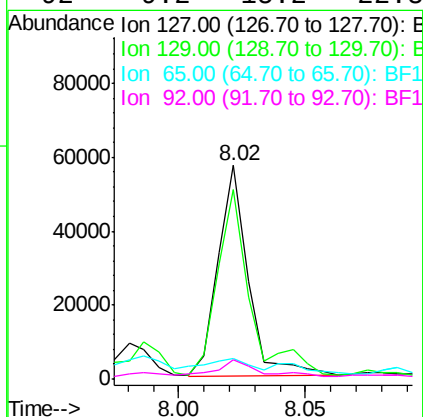
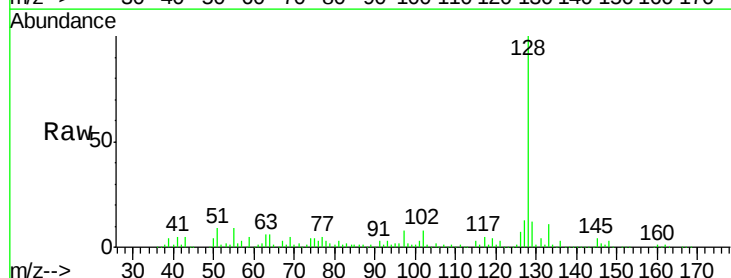
Instrument :
BNA_F
ClientSampleId :
20A-5DL

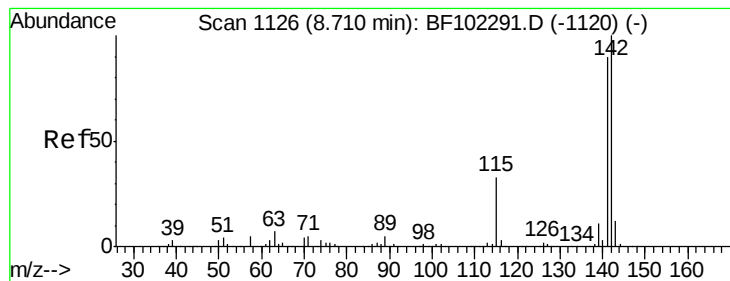
Tgt Ion:128 Resp: 342795
Ion Ratio Lower Upper
128 100
129 11.9 8.8 13.2
127 13.4 10.9 16.3



#33
4-Chloroaniline
Concen: 5.160 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.06 min
Lab File: BF102458.D
Acq: 26 Jan 2018 8:21

Tgt Ion:127 Resp: 47416
Ion Ratio Lower Upper
127 100
129 88.9 25.9 38.9#
65 9.3 25.0 37.4#
92 9.2 15.2 22.8#





#37

2-Methylnaphthalene

Concen: 3.819 ng

RT: 8.71 min Scan# 1126

Delta R.T. -0.01 min

Lab File: BF102458.D

Acq: 26 Jan 2018 8:21

Instrument :

BNA_F

ClientSampleId :

20A-5DL

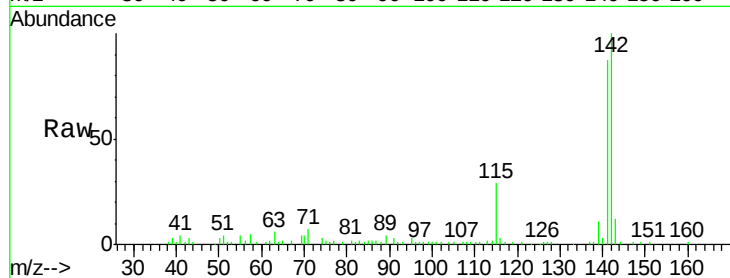
Tgt Ion:142 Resp: 55571

Ion Ratio Lower Upper

142 100

141 86.8 70.8 106.2

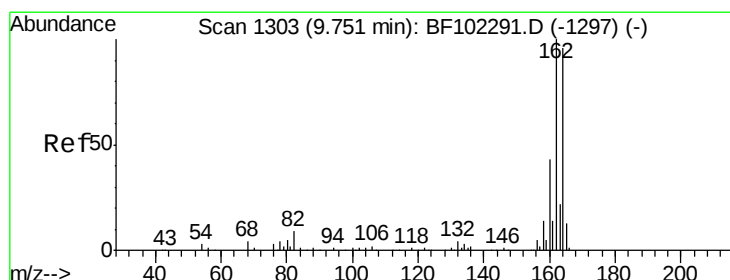
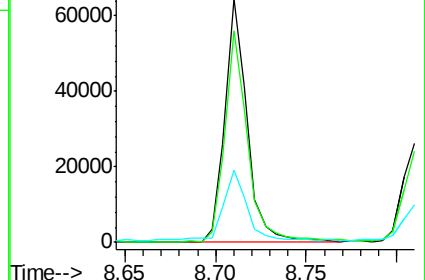
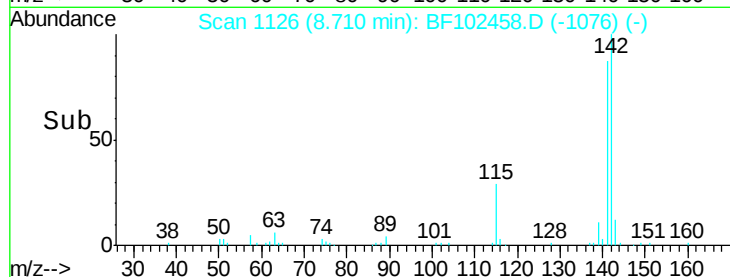
115 29.5 26.1 39.1



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

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102458.D

Acq: 26 Jan 2018 8:21

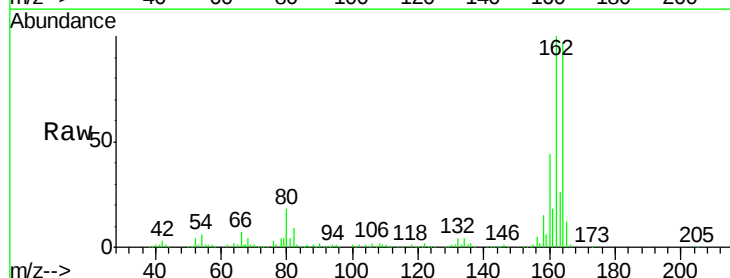
Tgt Ion:164 Resp: 173715

Ion Ratio Lower Upper

164 100

162 103.3 86.1 129.1

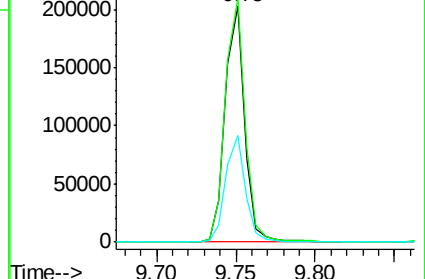
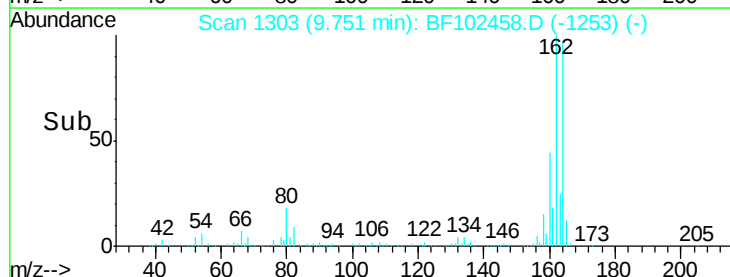
160 45.4 38.3 57.5

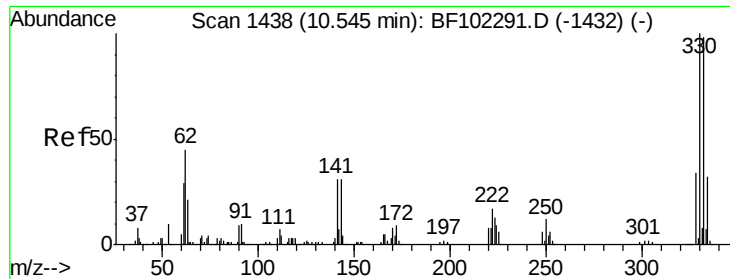


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

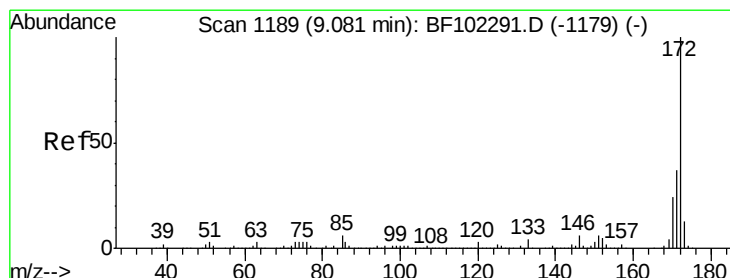
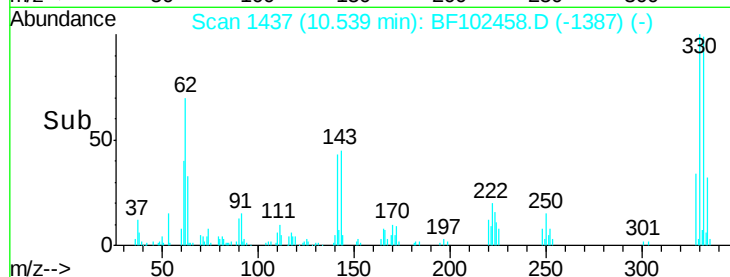
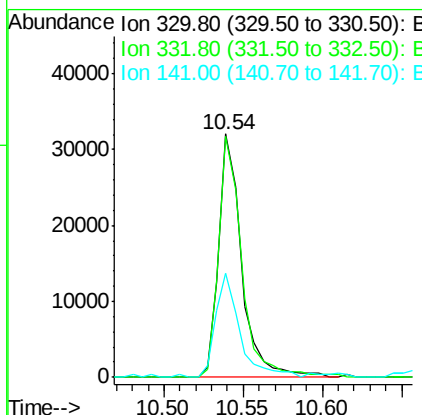
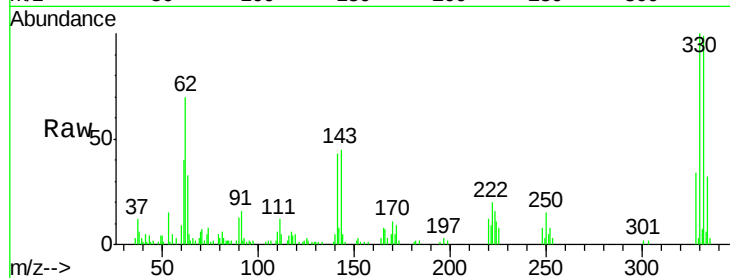




#41
 2,4,6-Tribromophenol
 Concen: 18.823 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102458.D
 Acq: 26 Jan 2018 8:21

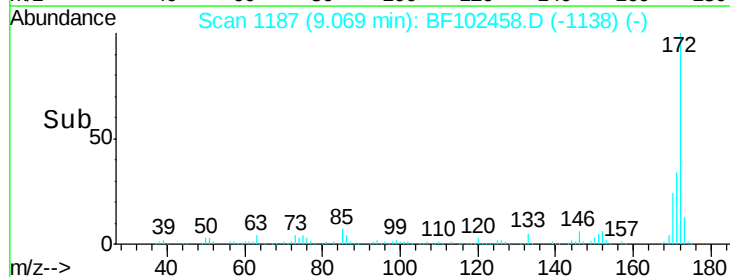
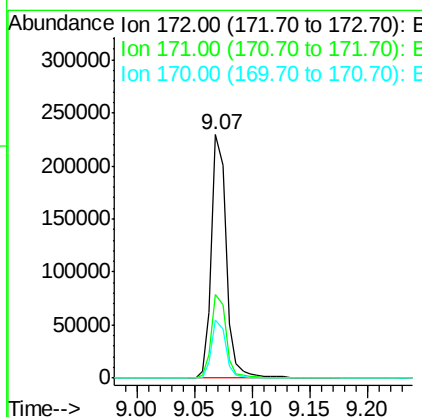
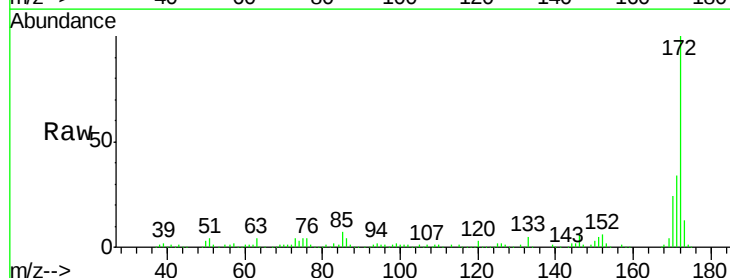
Instrument :
 BNA_F
 ClientSampleId :
 20A-5DL

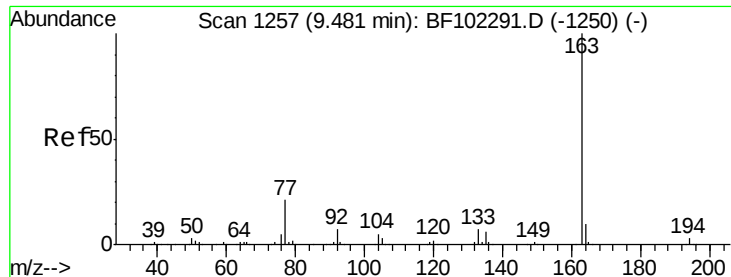
Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.2	77.0	115.6
141	44.8	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 17.504 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102458.D
 Acq: 26 Jan 2018 8:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.7	44.5
170	24.0	19.6	29.4

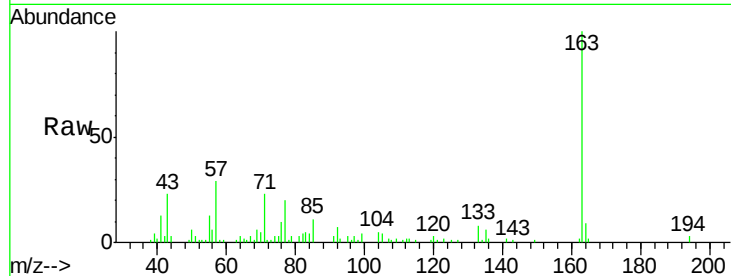




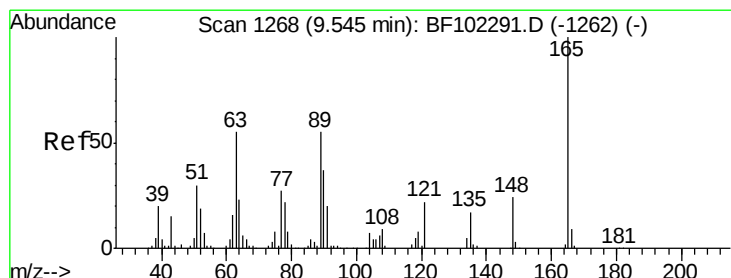
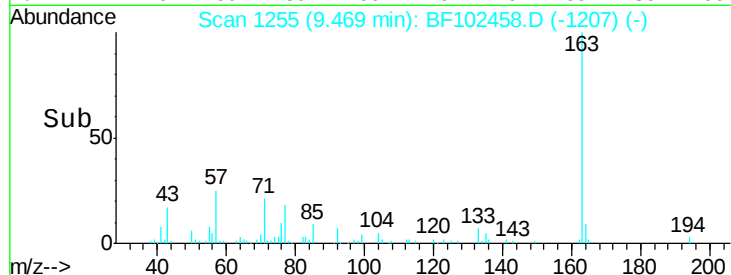
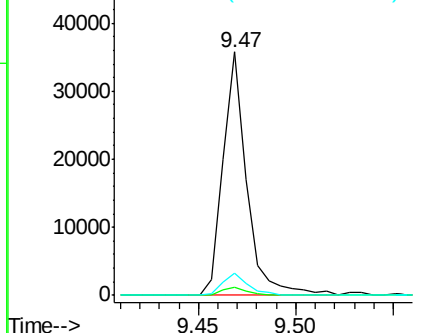
#49
Dimethylphthalate
Concen: 2.106 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF102458.D
Acq: 26 Jan 2018 8:21

Instrument :
BNA_F
ClientSampleId :
20A-5DL

Tgt Ion:163 Resp: 30235
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.2 8.2 12.2

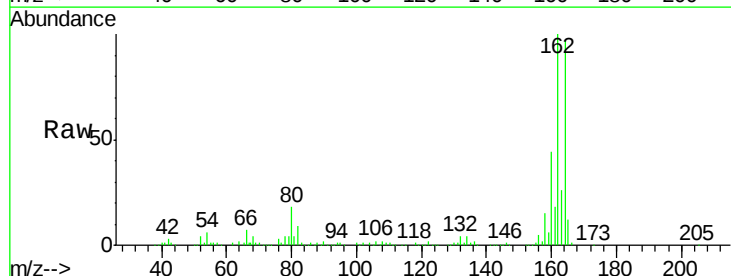


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

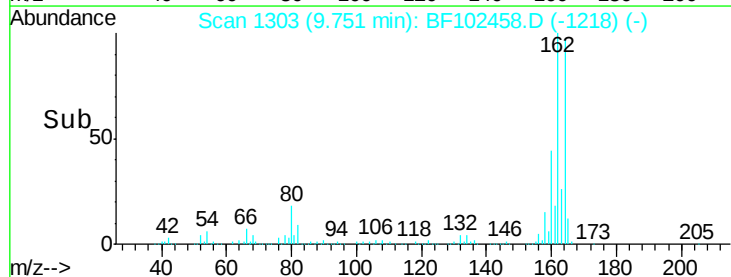
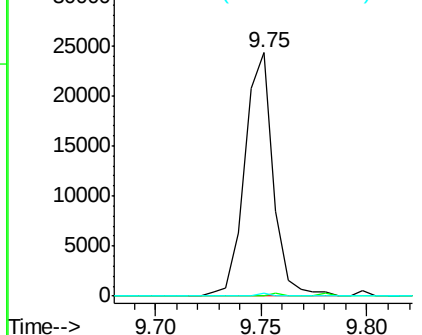


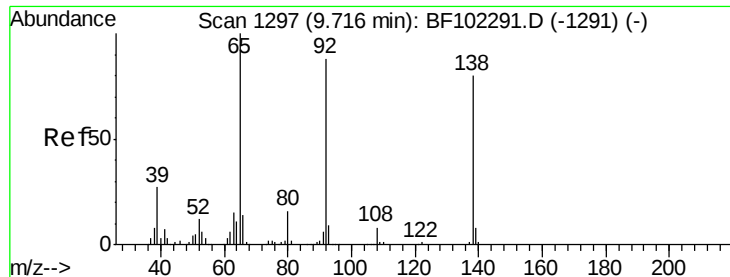
#50
2,6-Dinitrotoluene
Concen: 7.304 ng
RT: 9.75 min Scan# 1303
Delta R.T. 0.20 min
Lab File: BF102458.D
Acq: 26 Jan 2018 8:21

Tgt Ion:165 Resp: 22612
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.4 44.0 66.0#



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

3-Nitroaniline

Concen: 6.967 ng

RT: 9.95 min Scan# 1336

Delta R.T. 0.22 min

Lab File: BF102458.D

Acq: 26 Jan 2018 8:21

Instrument :

BNA_F

ClientSampleId :

20A-5DL

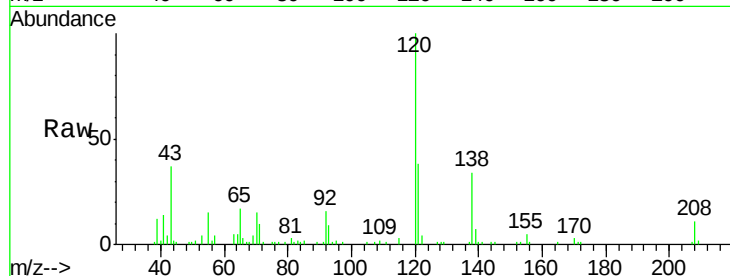
Tgt Ion:138 Resp: 25515

Ion Ratio Lower Upper

138 100

108 0.0 9.4 14.0#

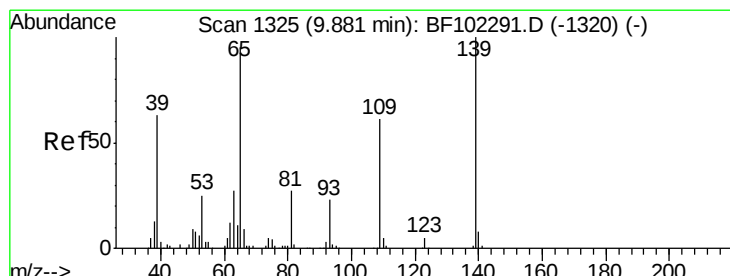
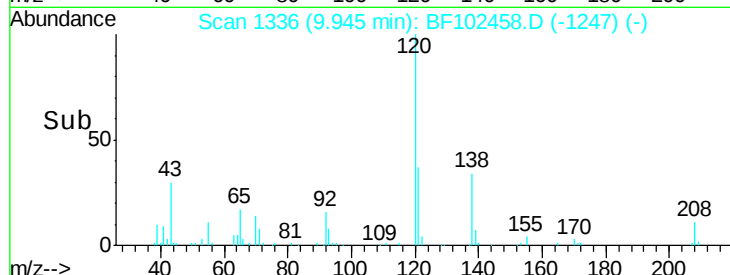
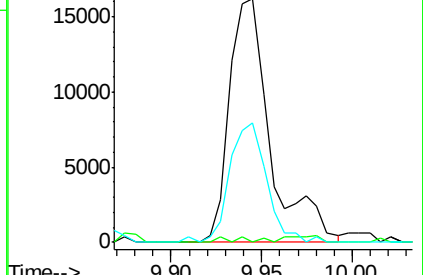
92 48.8 89.4 134.2#



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



#55

4-Nitrophenol

Concen: 2.197 ng

RT: 9.95 min Scan# 1336

Delta R.T. 0.05 min

Lab File: BF102458.D

Acq: 26 Jan 2018 8:21

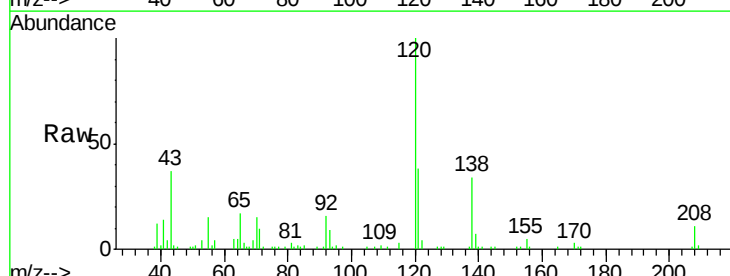
Tgt Ion:139 Resp: 5311

Ion Ratio Lower Upper

139 100

109 25.7 48.4 88.4#

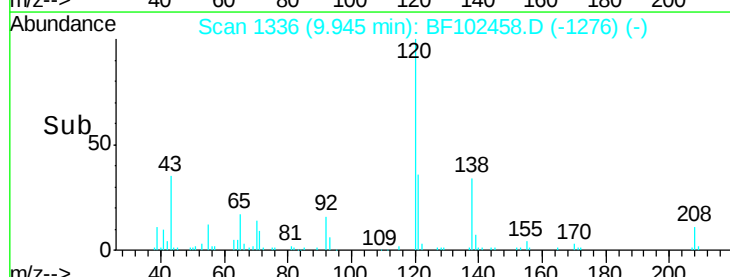
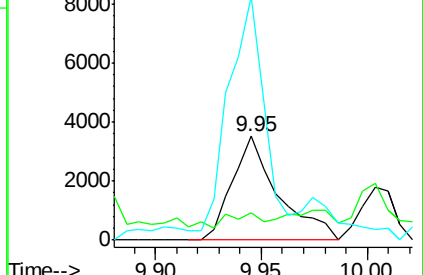
65 234.1 72.6 112.6#

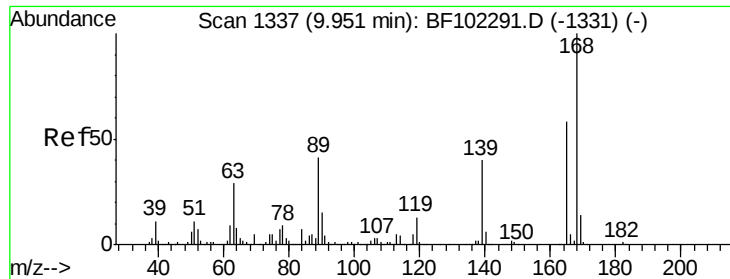


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

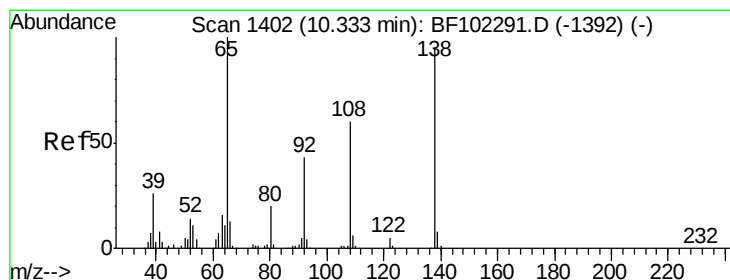
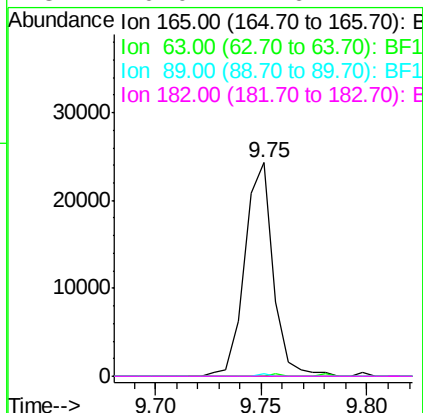
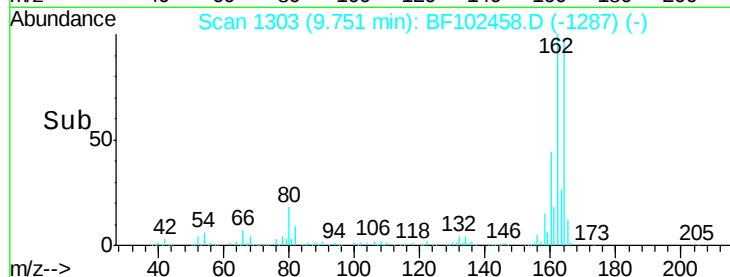
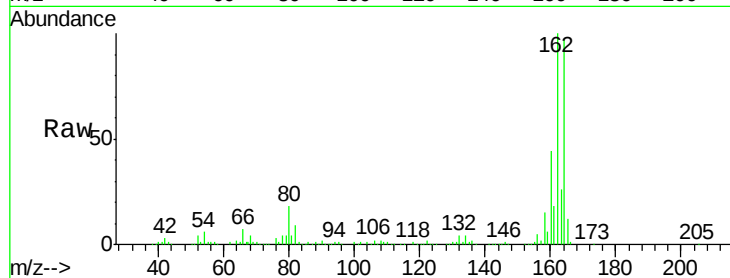




#56
 2,4-Dinitrotoluene
 Concen: 5.940 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.21 min
 Lab File: BF102458.D
 Acq: 26 Jan 2018 8:21

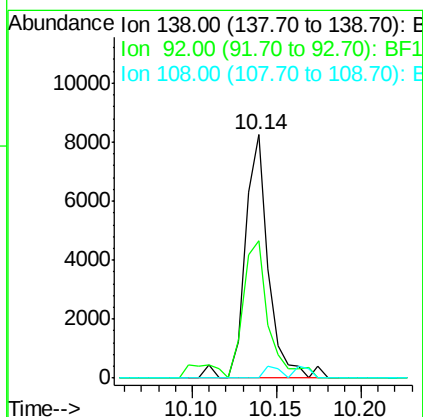
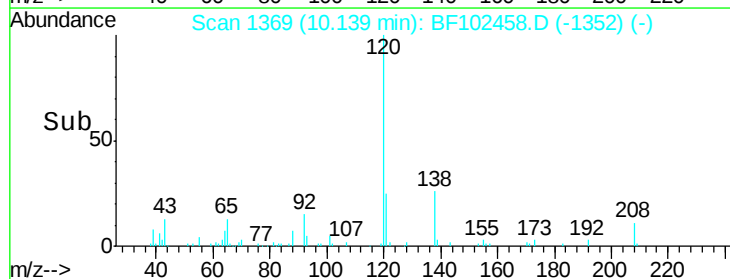
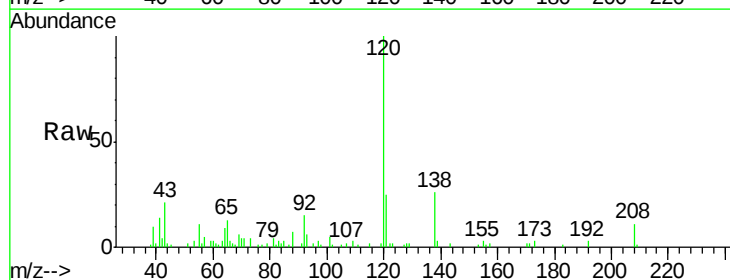
Instrument :
 BNA_F
 ClientSampleId :
 20A-5DL

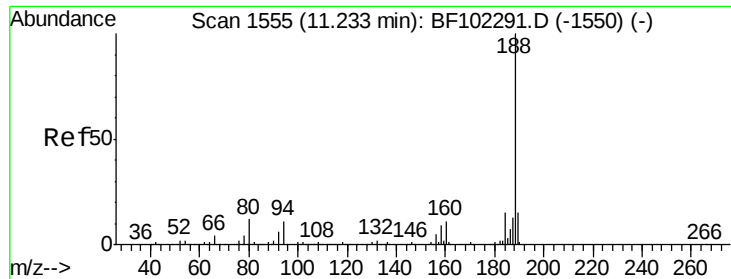
Tgt Ion:	165	Resp:	22612
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#61
 4-Nitroaniline
 Concen: 2.149 ng
 RT: 10.14 min Scan# 1369
 Delta R.T. -0.20 min
 Lab File: BF102458.D
 Acq: 26 Jan 2018 8:21

Tgt Ion:	138	Resp:	7855
Ion	Ratio	Lower	Upper
138	100		
92	56.4	30.2	70.2
108	0.0	52.5	92.5#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF102458.D

Acq: 26 Jan 2018 8:21

Instrument :

BNA_F

ClientSampleId :

20A-5DL

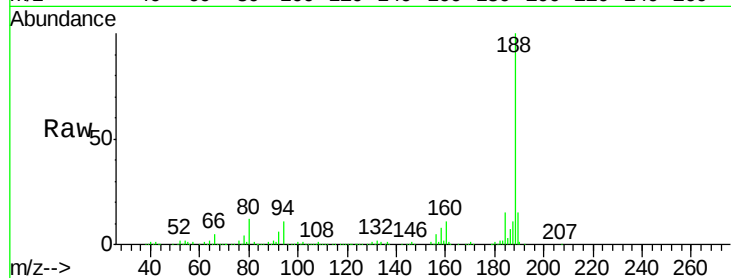
Tgt Ion:188 Resp: 280786

Ion Ratio Lower Upper

188 100

94 11.2 8.5 12.7

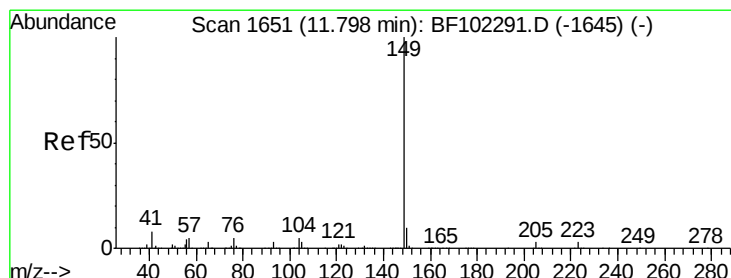
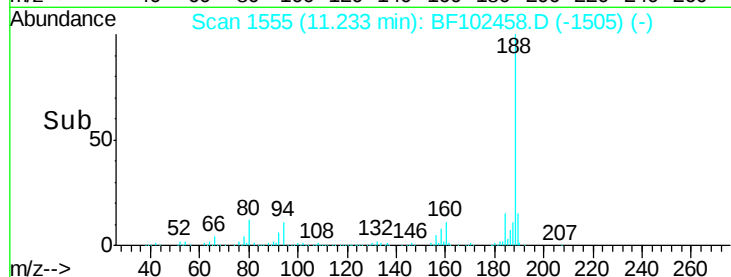
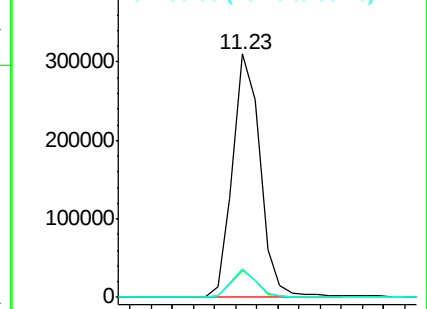
80 11.5 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#73

Di-n-butylphthalate

Concen: 61.859 ng

RT: 11.80 min Scan# 1651

Delta R.T. 0.00 min

Lab File: BF102458.D

Acq: 26 Jan 2018 8:21

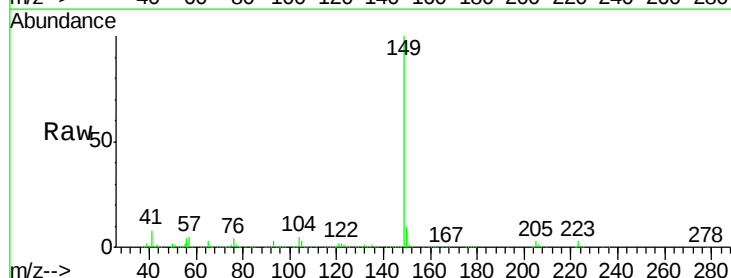
Tgt Ion:149 Resp: 1259789

Ion Ratio Lower Upper

149 100

150 9.7 7.8 11.6

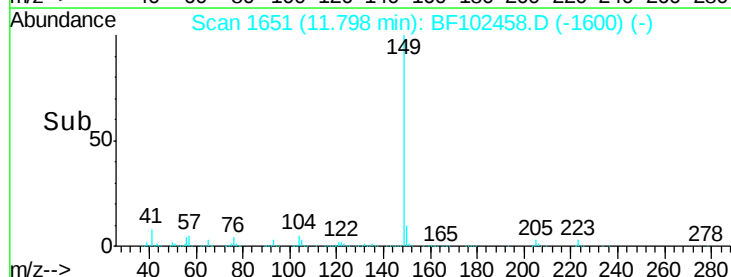
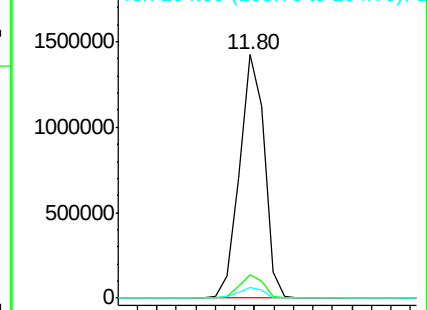
104 4.5 3.8 5.8

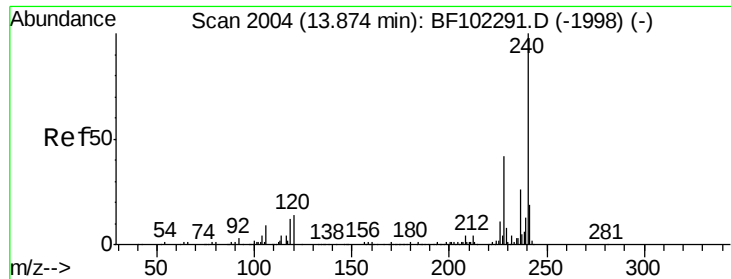


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF102458.D

Acq: 26 Jan 2018 8:21

Instrument :

BNA_F

ClientSampleId :

20A-5DL

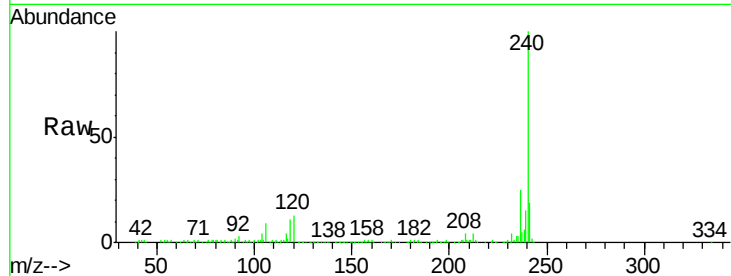
Tgt Ion:240 Resp: 278795

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

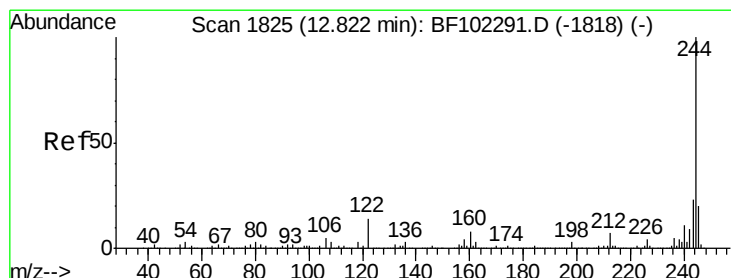
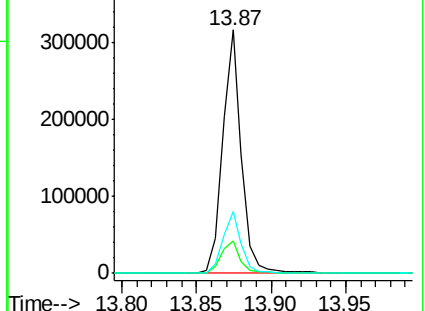
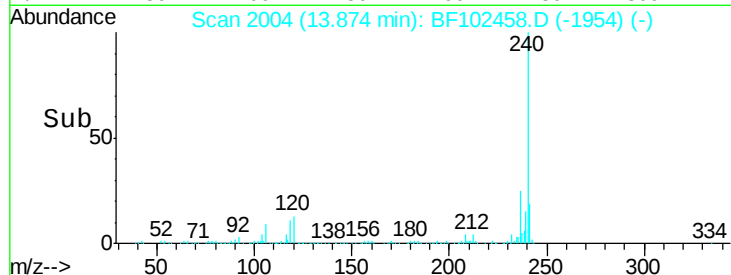
236 25.3 20.7 31.1



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



#78

Terphenyl-d14

Concen: 14.657 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF102458.D

Acq: 26 Jan 2018 8:21

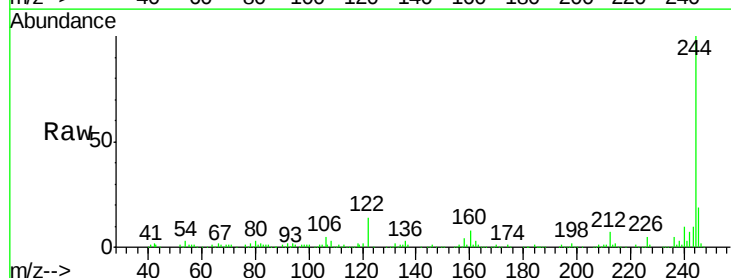
Tgt Ion:244 Resp: 181264

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

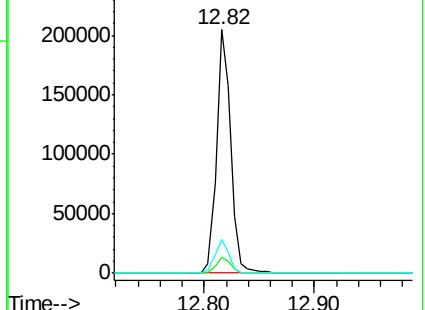
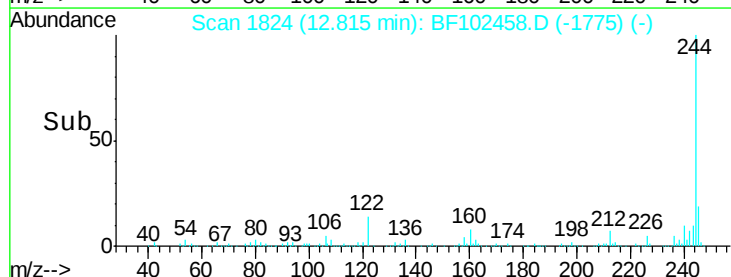
122 13.9 11.0 16.4

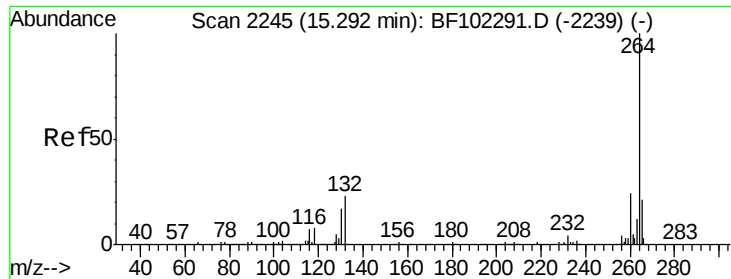


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.01 min
Lab File: BF102458.D
Acq: 26 Jan 2018 8:21

Instrument :
BNA_F
ClientSampleId :
20A-5DL

Tgt Ion: 264 Resp: 221551
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 23.0 17.5 26.3

