

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012318\
 Data File : BF102382.D
 Acq On : 24 Jan 2018 10:38
 Operator : SJ/JU
 Sample : J1239-11DL 10X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 24 11:23:44 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 00:43:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	119862	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	496349	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	205033	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	311416	20.00	ng	0.00
75) Chrysene-d12	13.87	240	226175	20.00	ng	0.00
86) Perylene-d12	15.29	264	221926	20.00	ng	0.00

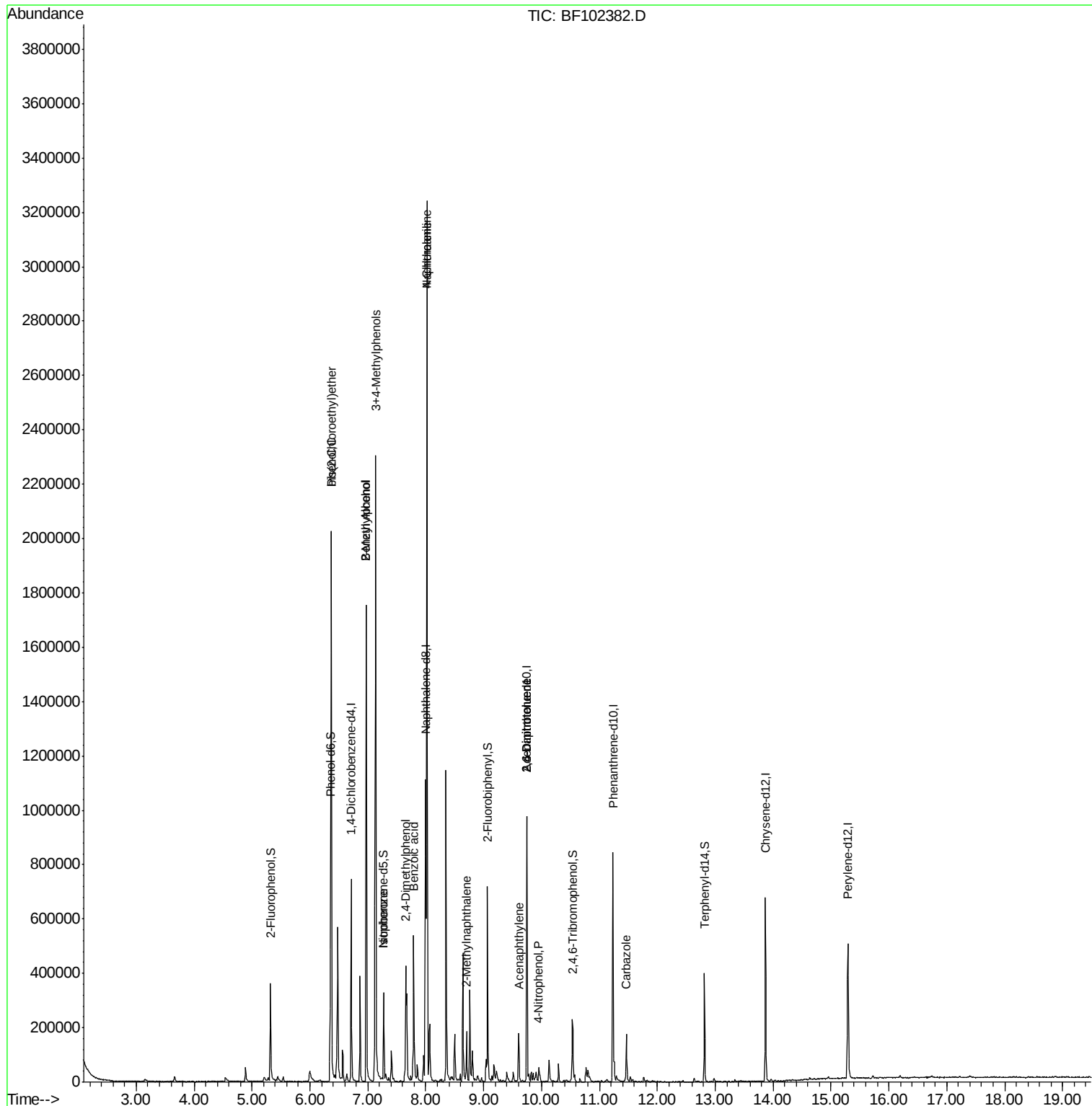
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	116129	14.69	ng	0.00
7) Phenol-d6	6.35	99	130739	13.72	ng	0.00
23) Nitrobenzene-d5	7.27	82	95835	11.10	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	28022	13.79	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	199868	14.33	ng	-0.01
78) Terphenyl-d14	12.82	244	138847	13.84	ng	0.00

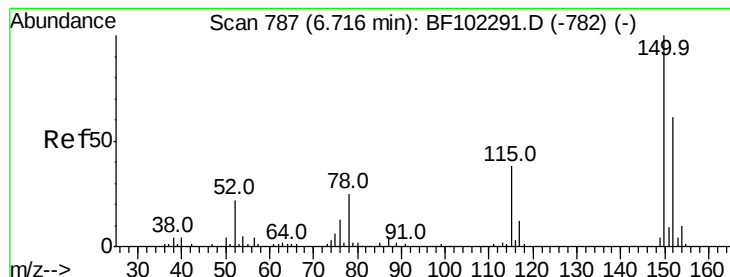
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	708353	68.081	ng	100
11) bis(2-Chloroethyl)ether	6.37	93	17031	2.152	ng	# 1
15) Benzyl Alcohol	6.97	79	84936	12.631	ng	# 1
17) 2-Methylphenol	6.97	107	202538	28.143	ng	97
20) 3+4-Methylphenols	7.13	107	590047	69.710	ng	87
25) Isophorone	7.27	82	95834	6.224	ng	# 64
27) 2,4-Dimethylphenol	7.66	122	122022	18.064	ng	100
31) Naphthalene	8.02	128	1388389	56.024	ng	100
32) Benzoic acid	7.79	122	124690	22.032	ng	# 13
33) 4-Chloroaniline	8.02	127	186549	17.901	ng	# 34
37) 2-Methylnaphthalene	8.71	142	47630	2.886	ng	97
48) Acenaphthylene	9.61	152	77485	3.490	ng	99
50) 2,6-Dinitrotoluene	9.75	165	26409	7.228	ng	# 26
55) 4-Nitrophenol	9.96	139	8670	3.039	ng	# 9
56) 2,4-Dinitrotoluene	9.75	165	26409	5.877	ng	# 23
72) Carbazole	11.47	167	74318	4.113	ng	97

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

```
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ALS Vial  : 34      Sample Multiplier: 1
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
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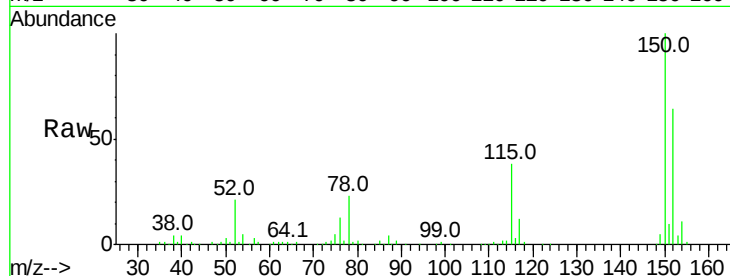


#1

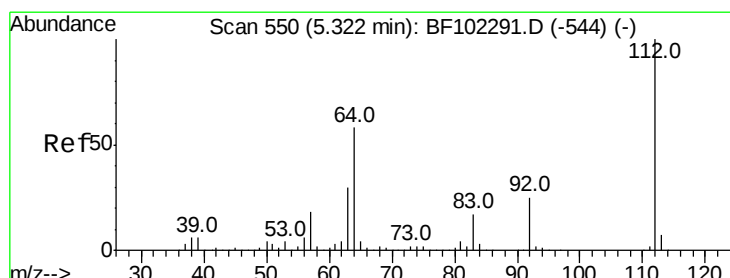
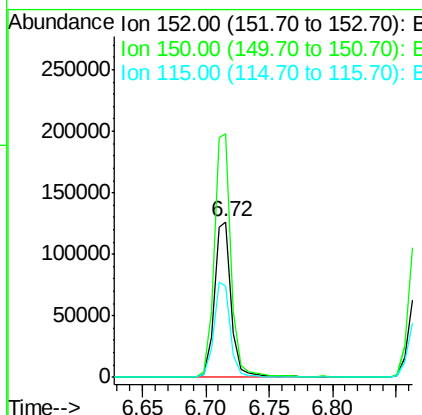
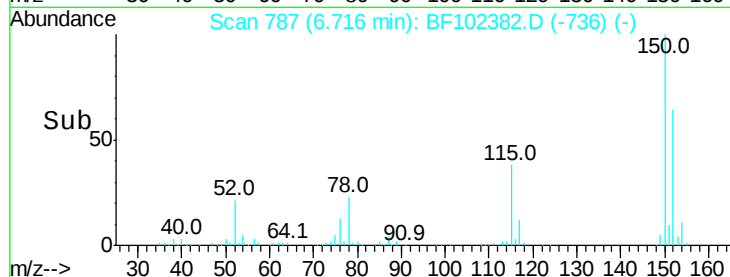
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102382.D
Acq: 24 Jan 2018 10:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 119862
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 58.6 50.1 75.1



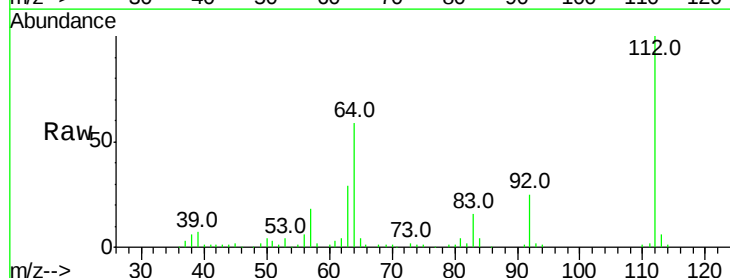
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



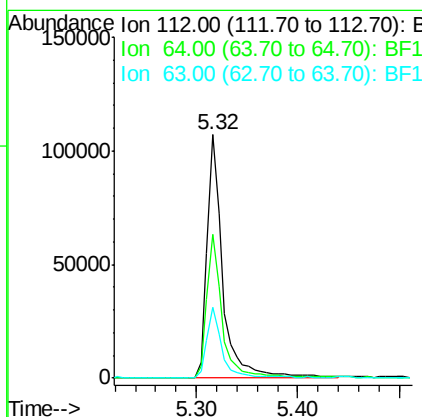
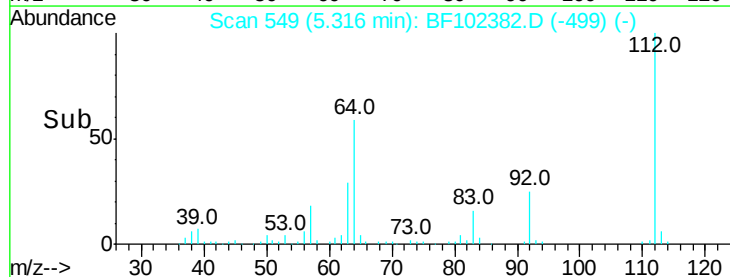
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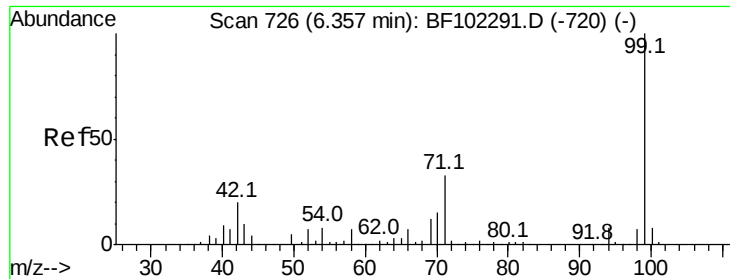
2-Fluorophenol
Concen: 14.690 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102382.D
Acq: 24 Jan 2018 10:38

Tgt Ion:112 Resp: 116129
Ion Ratio Lower Upper
112 100
64 59.3 47.9 71.9
63 28.8 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: 13.718 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102382.D

Acq: 24 Jan 2018 10:38

Instrument :

BNA_F

ClientSampleId :

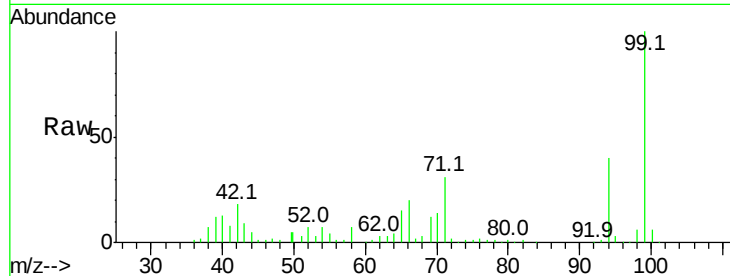
Tot Ion: 99 Resp: 130739

Ion Ratio Lower Upper

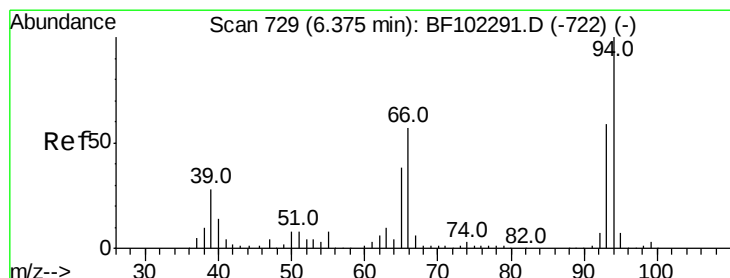
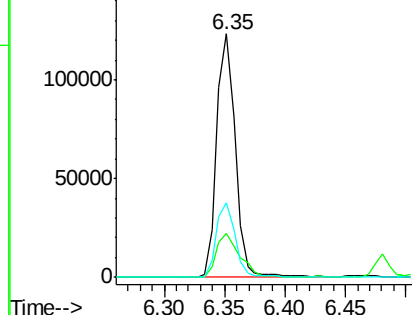
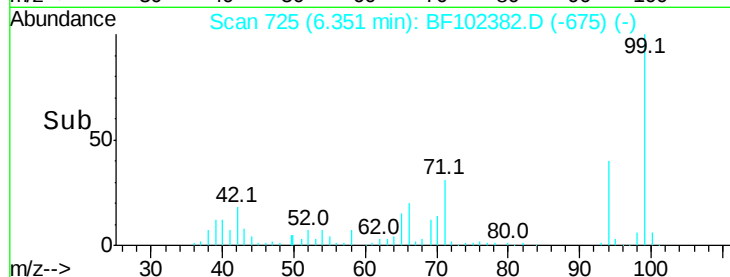
99 100

42 18.2 14.5 21.7

71 30.8 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



#10

Phenol

Concen: 68.081 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102382.D

Acq: 24 Jan 2018 10:38

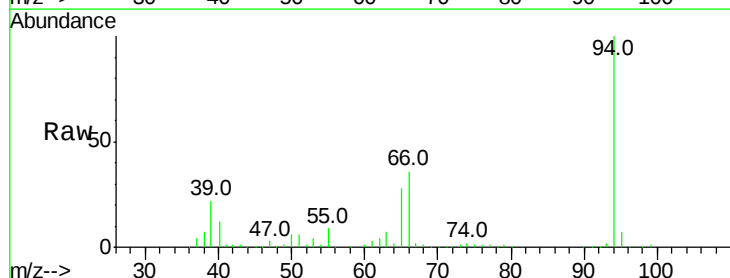
Tgt Ion: 94 Resp: 708353

Ion Ratio Lower Upper

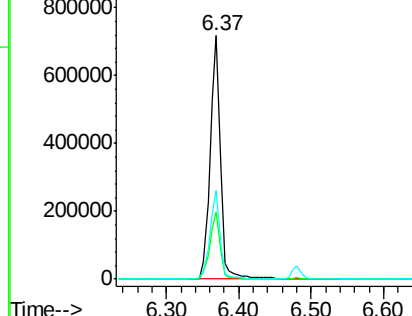
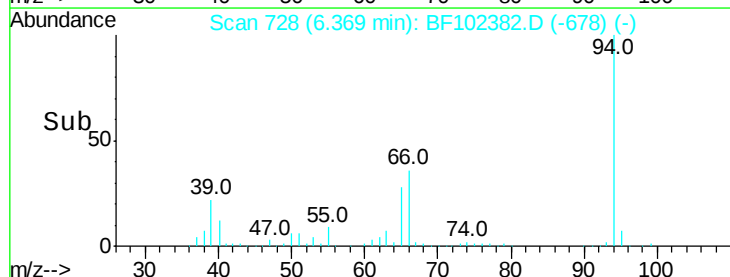
94 100

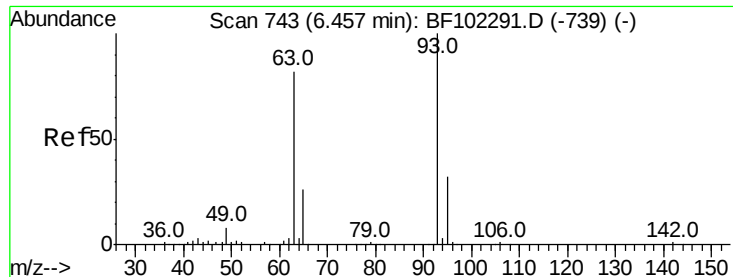
65 27.6 7.9 47.9

66 36.4 16.2 56.2



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

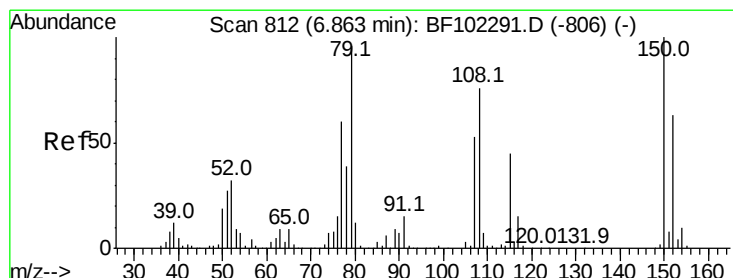
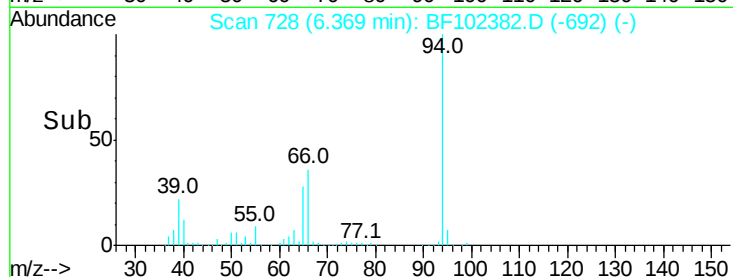
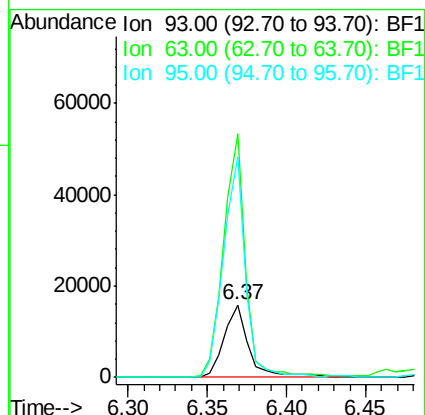
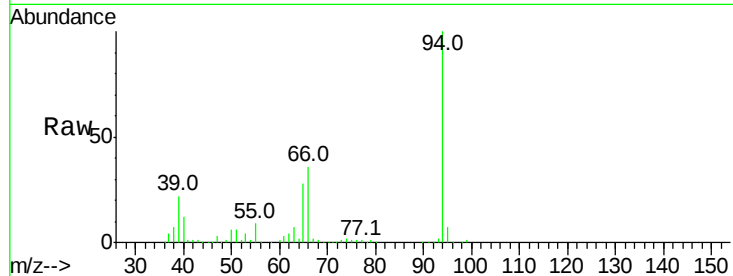




#11
bis(2-Chloroethyl)ether
Concen: 2.152 ng
RT: 6.37 min Scan# 728
Delta R.T. -0.09 min
Lab File: BF102382.D
Acq: 24 Jan 2018 10:38

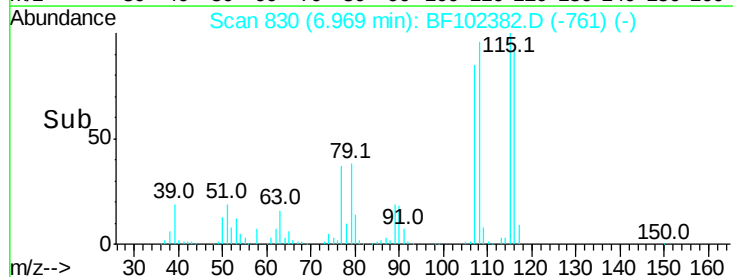
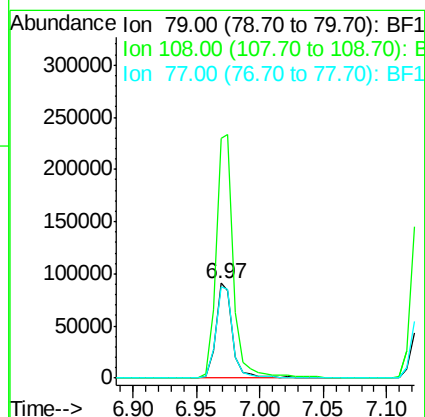
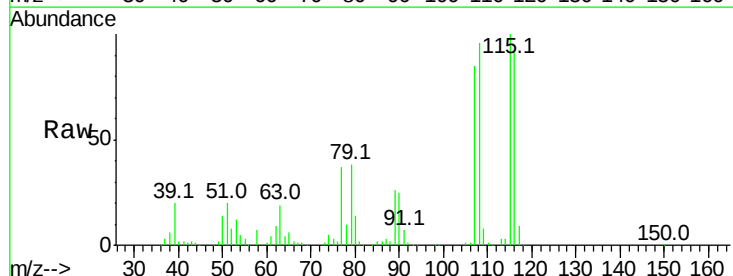
Instrument :
BNA_F
ClientSampleId :

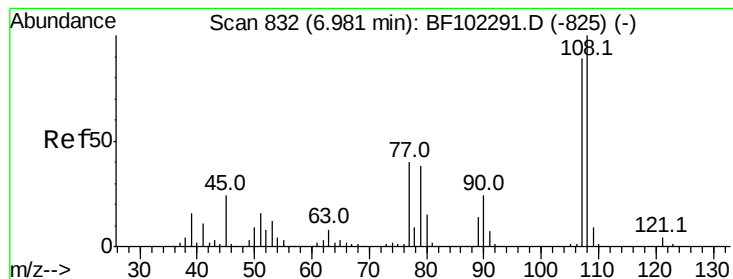
Tot Ion: 93 Resp: 17031
Ion Ratio Lower Upper
93 100
63 335.4 58.6 98.6#
95 303.1 11.8 51.8#



#15
Benzyl Alcohol
Concen: 12.631 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.11 min
Lab File: BF102382.D
Acq: 24 Jan 2018 10:38

Tgt Ion: 79 Resp: 84936
Ion Ratio Lower Upper
79 100
108 253.3 65.1 97.7#
77 96.6 50.6 75.8#





#17

2-Methylphenol

Concen: 28.143 ng

RT: 6.97 min Scan# 831

Delta R.T. -0.01 min

Lab File: BF102382.D

Acq: 24 Jan 2018 10:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 202538

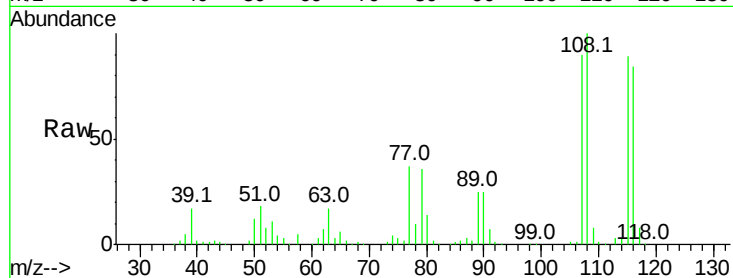
Ion Ratio Lower Upper

107 100

108 111.1 91.7 137.5

77 40.7 33.8 50.8

79 39.9 33.8 50.8

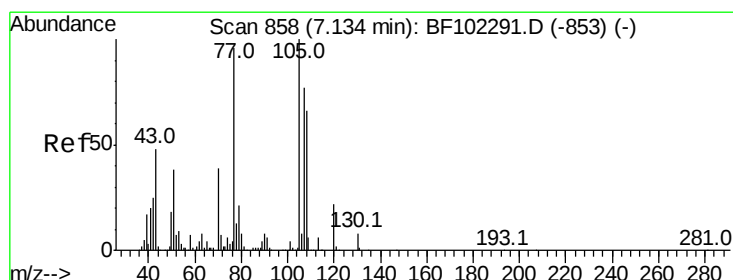
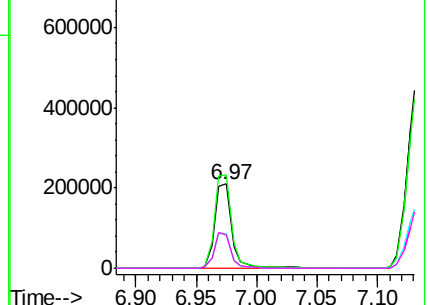
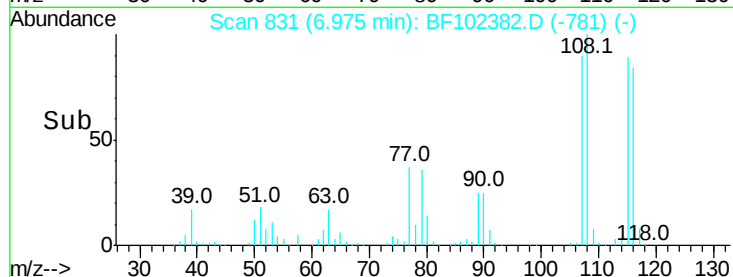


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#20

3+4-Methylphenols

Concen: 69.710 ng

RT: 7.13 min Scan# 858

Delta R.T. -0.00 min

Lab File: BF102382.D

Acq: 24 Jan 2018 10:38

Tgt Ion:107 Resp: 590047

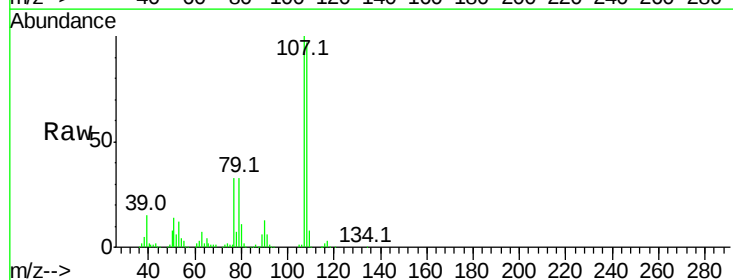
Ion Ratio Lower Upper

107 100

108 97.0 68.2 108.2

77 33.1 26.7 66.7

79 33.5 6.3 46.3

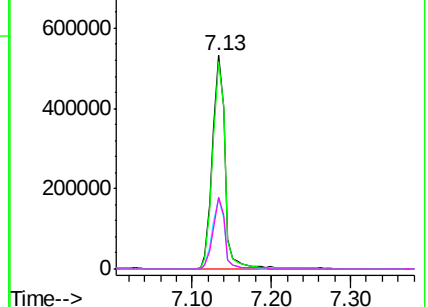
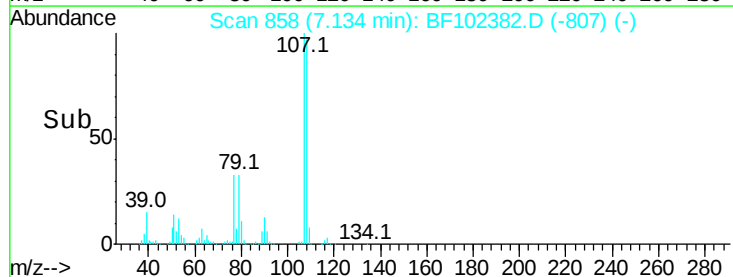


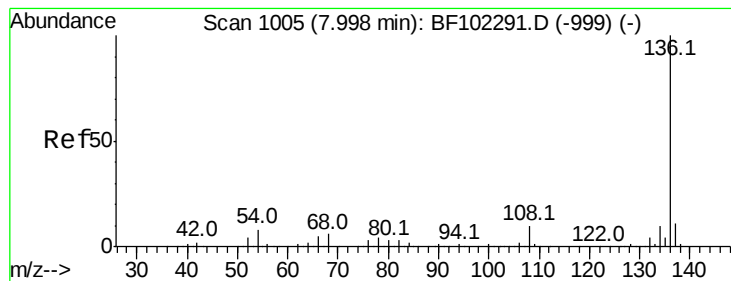
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF102382.D

Acq: 24 Jan 2018 10:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 496349

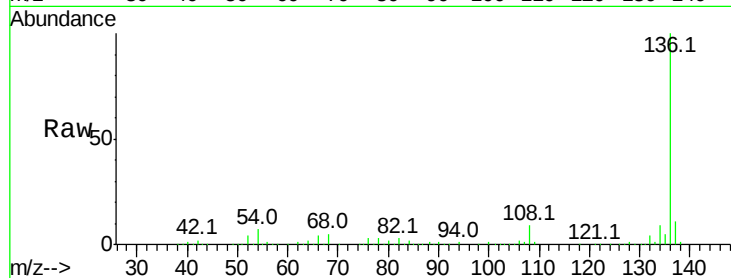
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 7.3 6.6 9.8

68 5.3 5.0 7.4

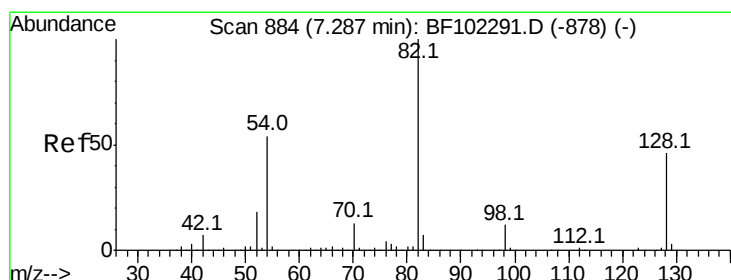
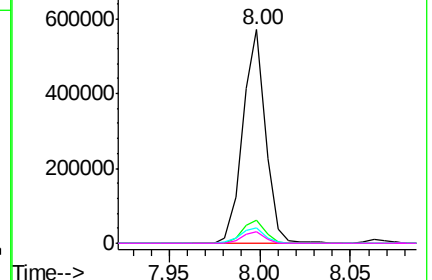
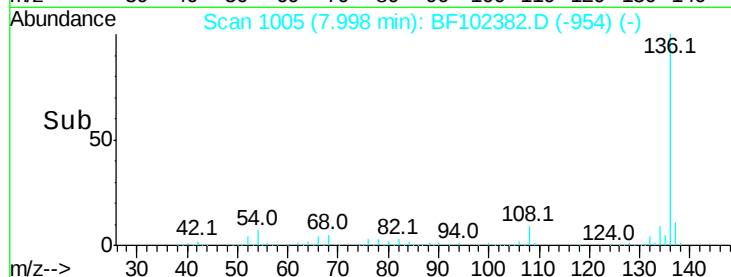


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 11.096 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF102382.D

Acq: 24 Jan 2018 10:38

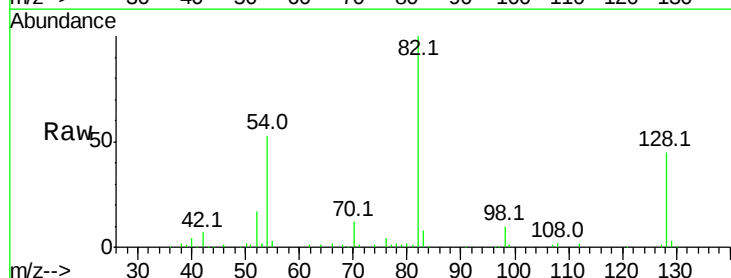
Tgt Ion: 82 Resp: 95835

Ion Ratio Lower Upper

82 100

128 44.7 36.1 54.1

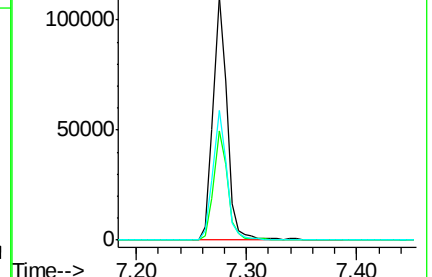
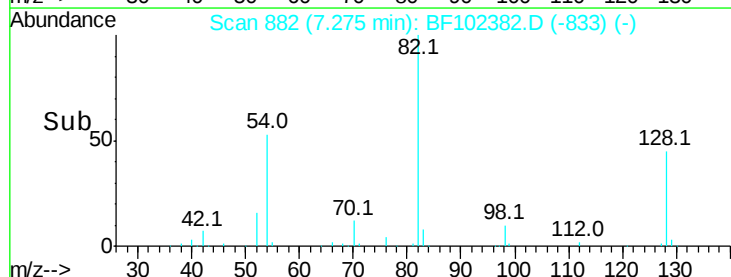
54 53.5 41.4 62.2

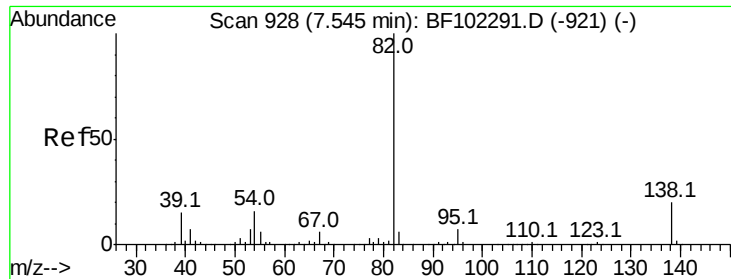


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 6.224 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.27 min

Lab File: BF102382.D

Acq: 24 Jan 2018 10:38

Instrument :

BNA_F

ClientSampled :

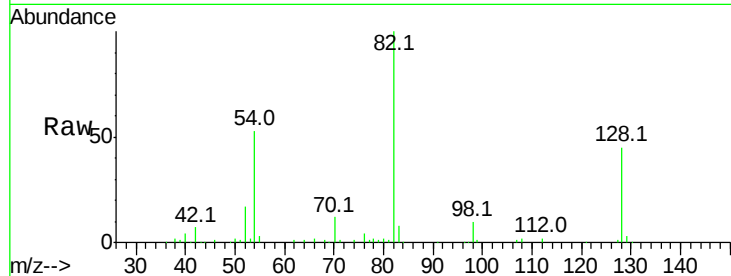
Tot Ion: 82 Resp: 95834

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

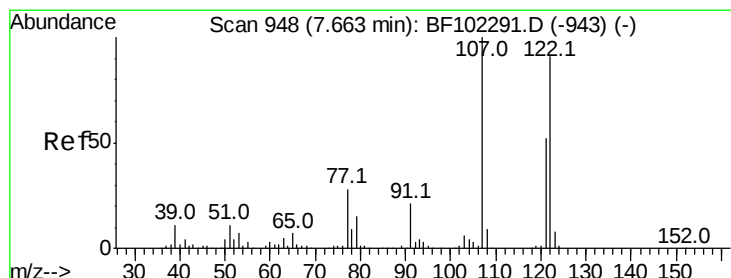
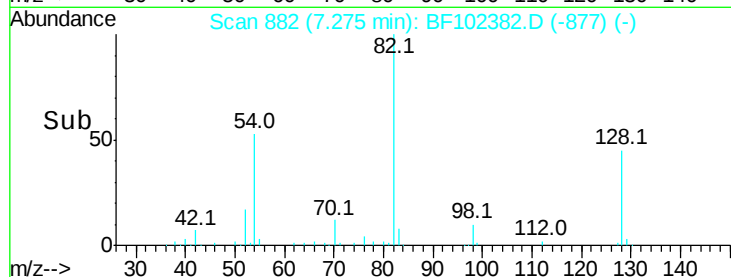
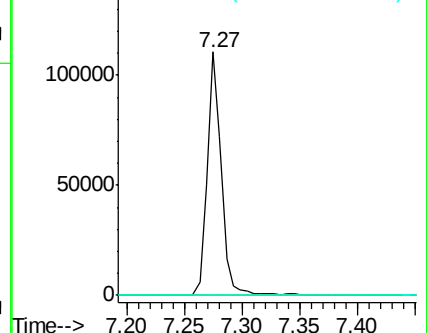
138 0.0 14.9 22.3#



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



#27

2,4-Dimethylphenol

Concen: 18.064 ng

RT: 7.66 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF102382.D

Acq: 24 Jan 2018 10:38

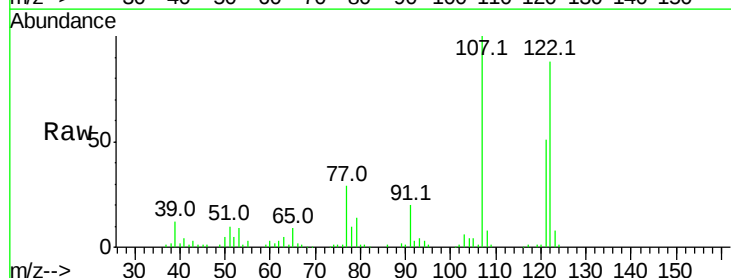
Tgt Ion:122 Resp: 122022

Ion Ratio Lower Upper

122 100

107 114.2 91.2 136.8

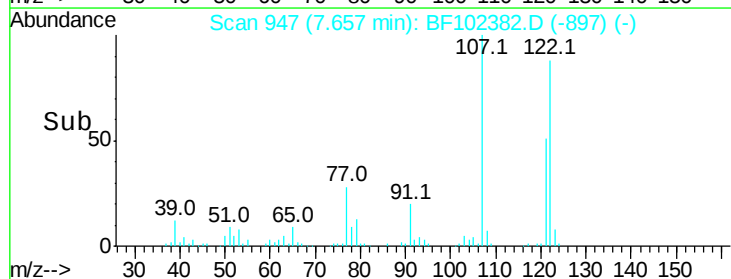
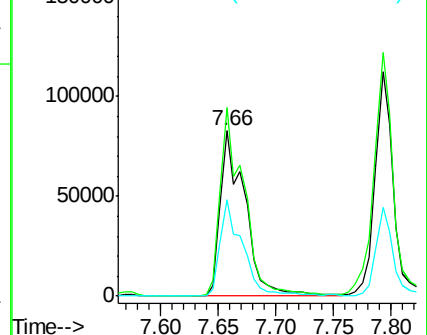
121 58.3 47.2 70.8

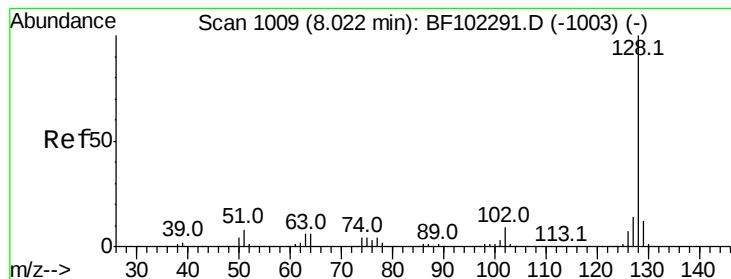


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#31

Naphthalene

Concen: 56.024 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF102382.D

Acq: 24 Jan 2018 10:38

Instrument :

BNA_F

ClientSampleId :

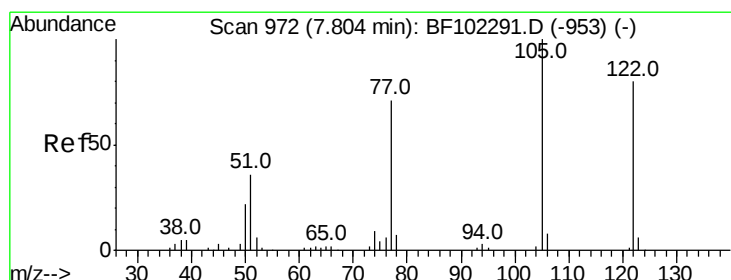
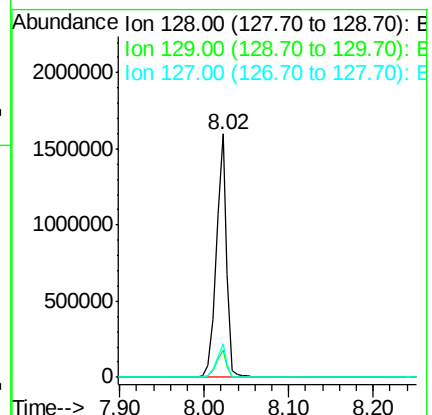
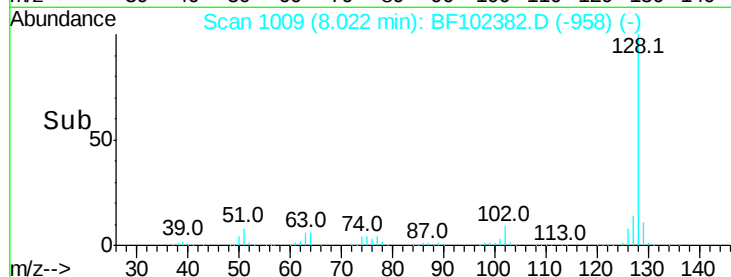
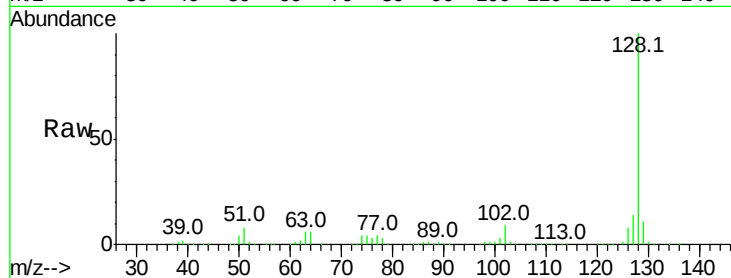
Tot Ion:128 Resp: 1388389

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

127 13.7 10.9 16.3



#32

Benzoic acid

Concen: 22.032 ng

RT: 7.79 min Scan# 970

Delta R.T. -0.01 min

Lab File: BF102382.D

Acq: 24 Jan 2018 10:38

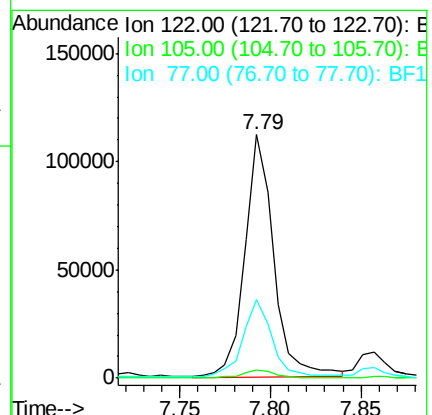
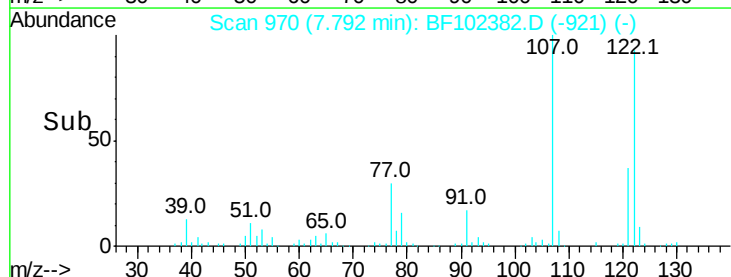
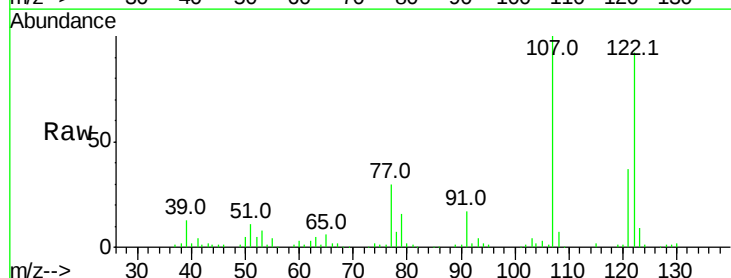
Tgt Ion:122 Resp: 124690

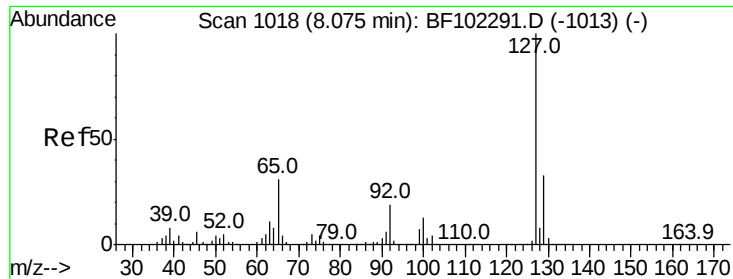
Ion Ratio Lower Upper

122 100

105 3.4 101.1 141.1#

77 32.2 70.7 110.7#

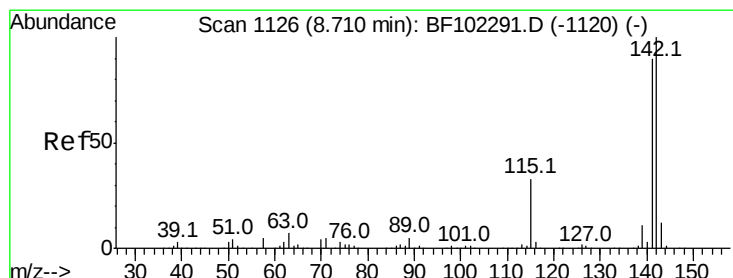
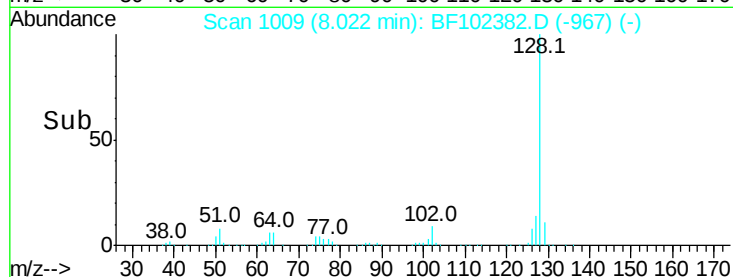
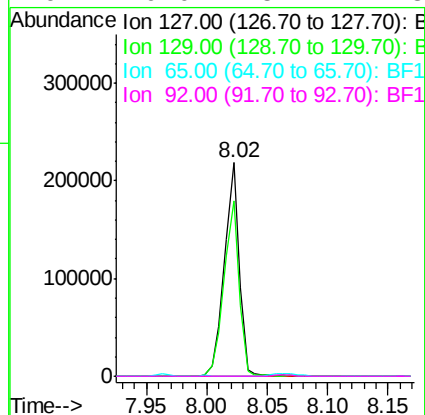
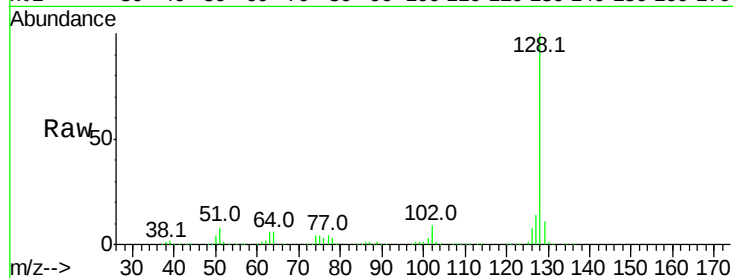




#33
4-Chloroaniline
Concen: 17.901 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.05 min
Lab File: BF102382.D
Acq: 24 Jan 2018 10:38

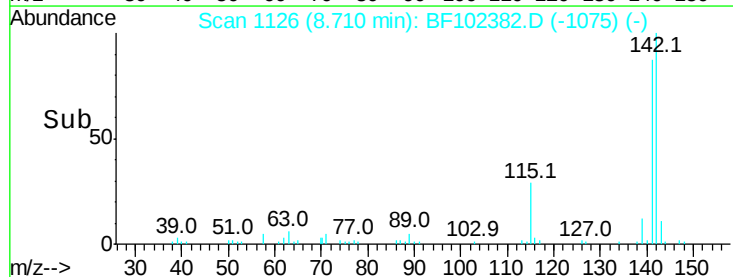
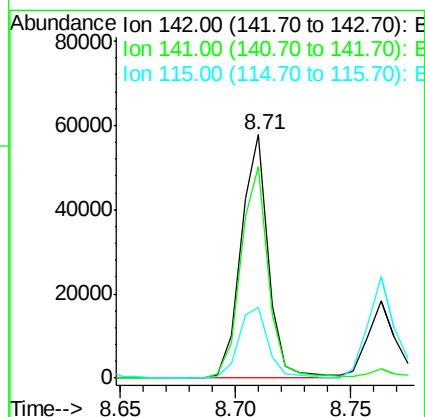
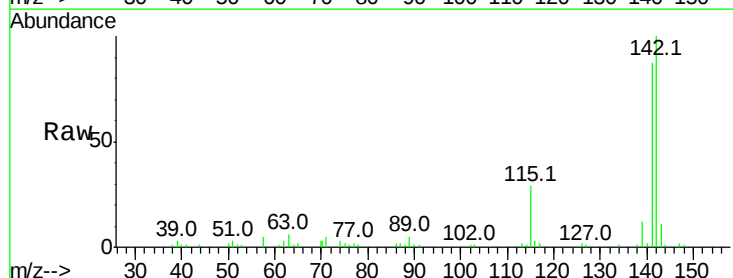
Instrument :
BNA_F
ClientSampleId :

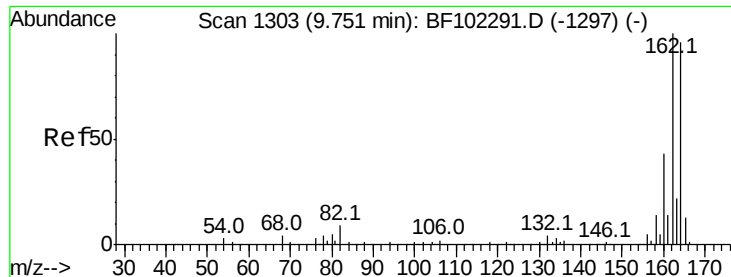
Tot Ion:127 Resp: 186549
Ion Ratio Lower Upper
127 100
129 82.1 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#



#37
2-Methylnaphthalene
Concen: 2.886 ng
RT: 8.71 min Scan# 1126
Delta R.T. -0.00 min
Lab File: BF102382.D
Acq: 24 Jan 2018 10:38

Tgt Ion:142 Resp: 47630
Ion Ratio Lower Upper
142 100
141 86.9 70.8 106.2
115 29.3 26.1 39.1

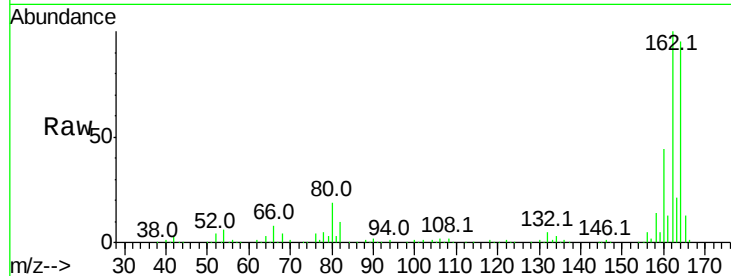




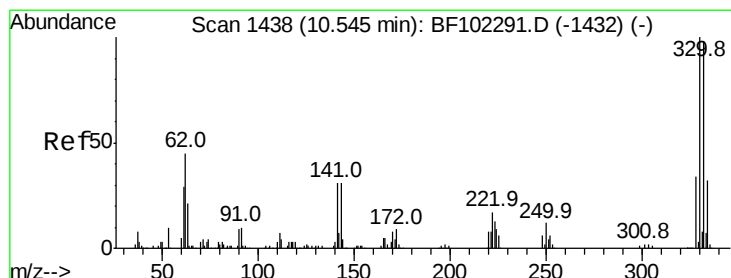
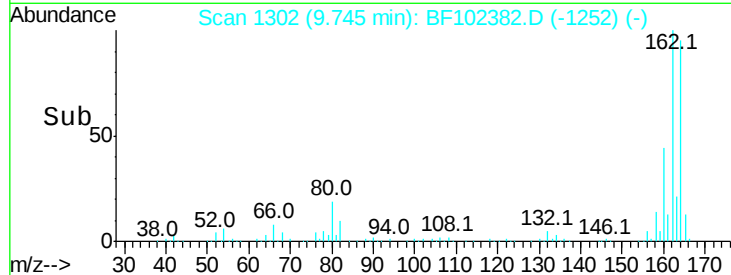
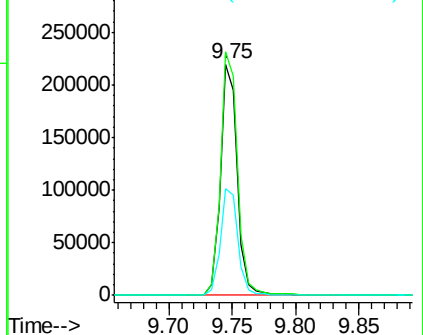
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF102382.D
 Acq: 24 Jan 2018 10:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 205033
 Ion Ratio Lower Upper
 164 100
 162 105.3 86.1 129.1
 160 46.0 38.3 57.5

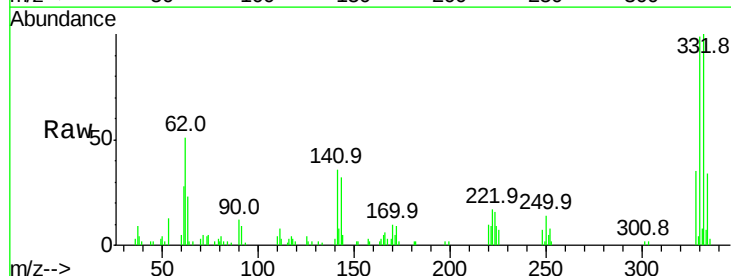


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

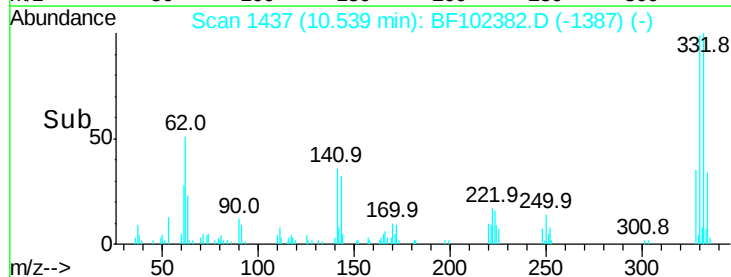
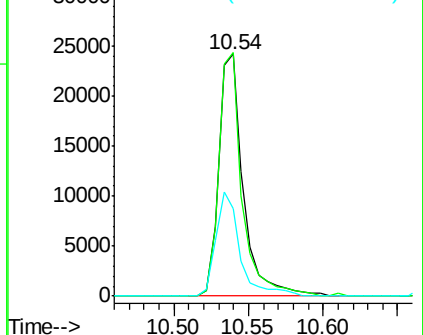


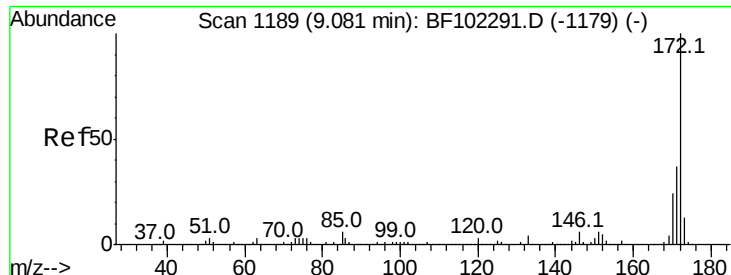
#41
 2,4,6-Tribromophenol
 Concen: 13.793 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102382.D
 Acq: 24 Jan 2018 10:38

Tgt Ion:330 Resp: 28022
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 41.9 29.9 44.9



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

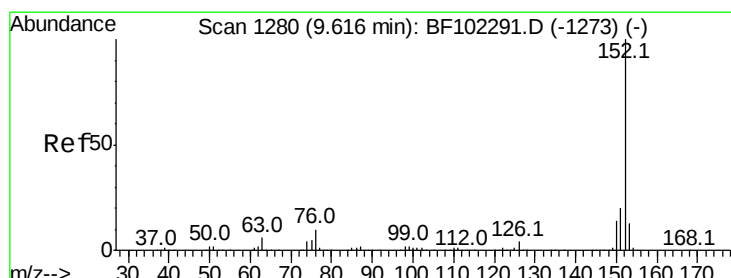
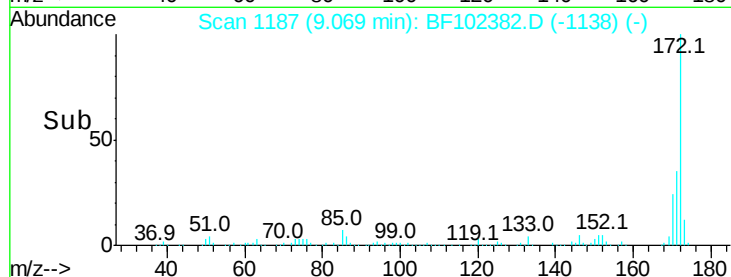
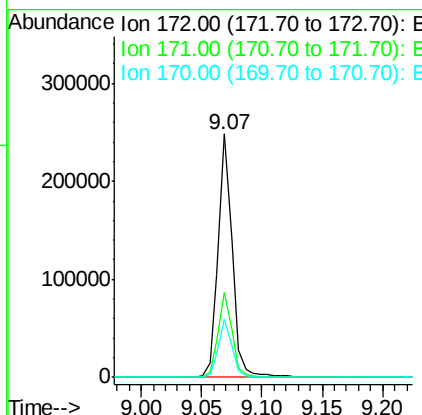
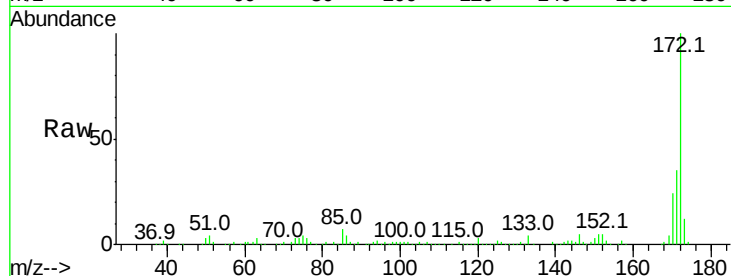




#44
 2-Fluorobiphenyl
 Concen: 14.333 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102382.D
 Acq: 24 Jan 2018 10:38

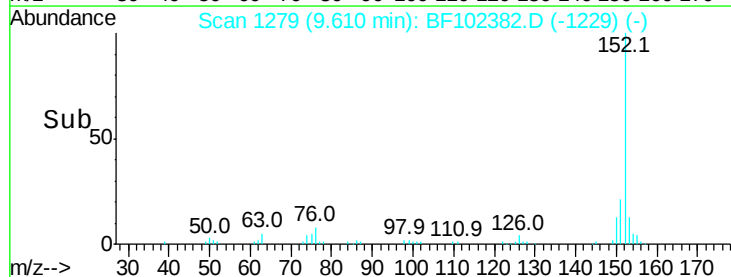
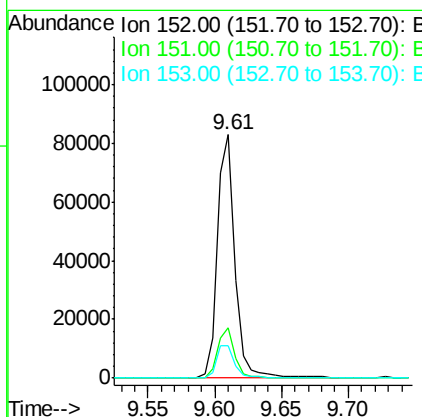
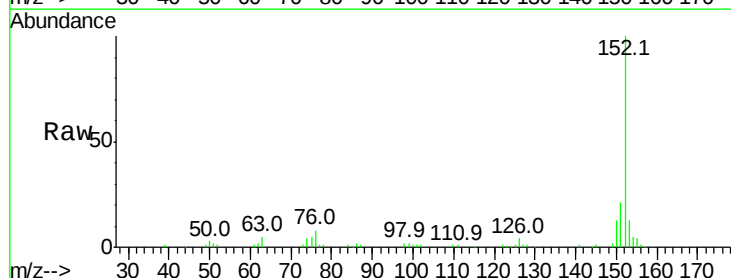
Instrument :
 BNA_F
 ClientSampleId :

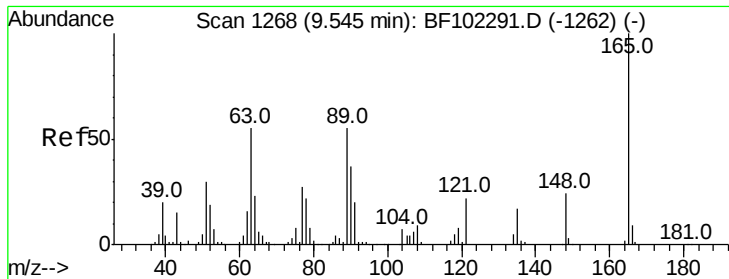
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	23.6	19.6	29.4



#48
 Acenaphthylene
 Concen: 3.490 ng
 RT: 9.61 min Scan# 1279
 Delta R.T. -0.01 min
 Lab File: BF102382.D
 Acq: 24 Jan 2018 10:38

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.3	24.5
153	13.2	10.7	16.1

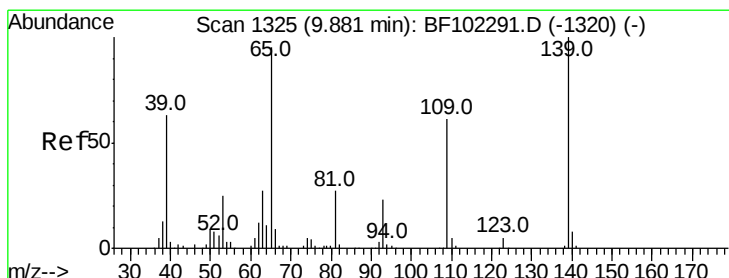
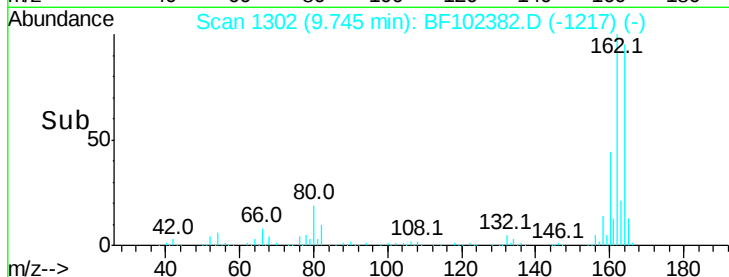
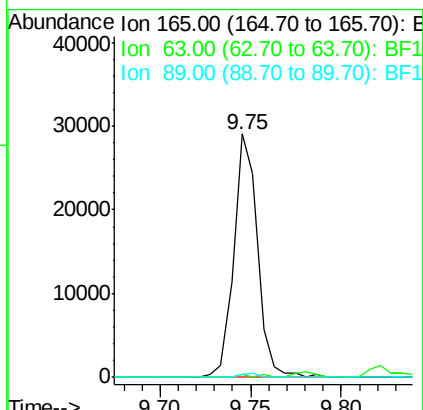
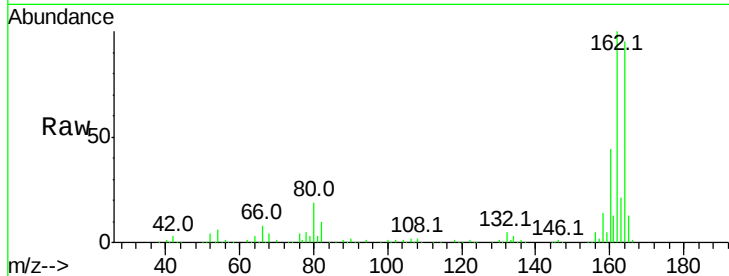




#50
 2,6-Dinitrotoluene
 Concen: 7.228 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. 0.20 min
 Lab File: BF102382.D
 Acq: 24 Jan 2018 10:38

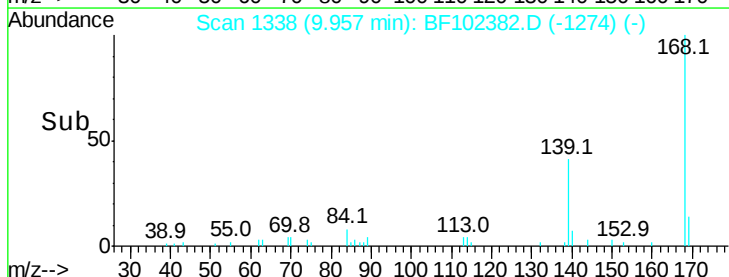
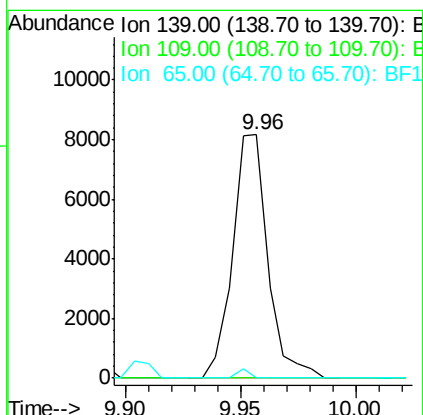
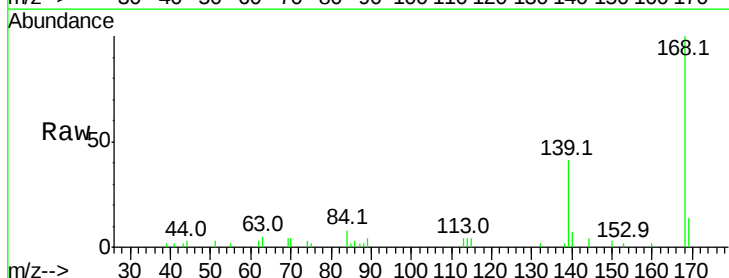
Instrument :
 BNA_F
 ClientSampleId :

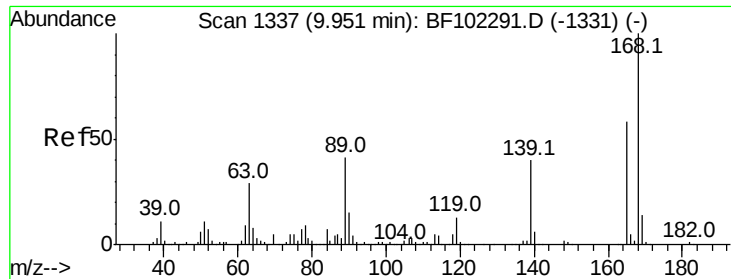
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.5	44.0	66.0#



#55
 4-Nitrophenol
 Concen: 3.039 ng
 RT: 9.96 min Scan# 1338
 Delta R.T. 0.08 min
 Lab File: BF102382.D
 Acq: 24 Jan 2018 10:38

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#

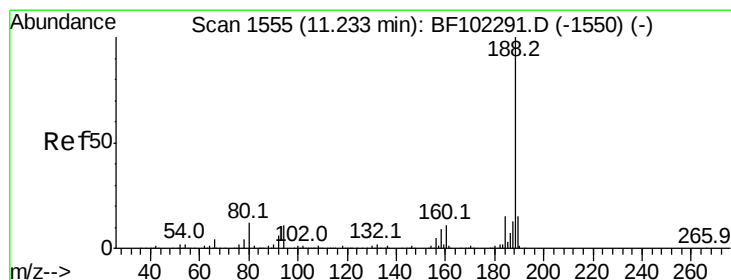
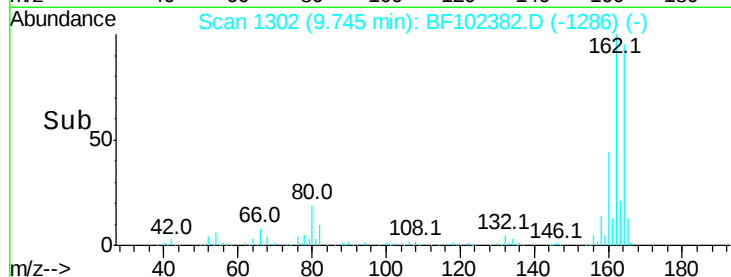
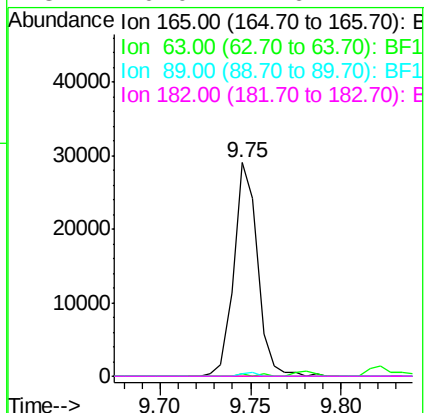
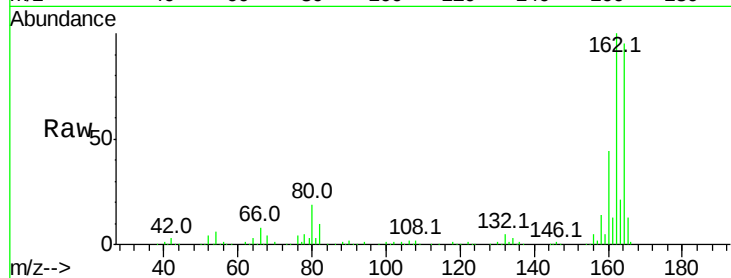




#56
 2,4-Dinitrotoluene
 Concen: 5.877 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF102382.D
 Acq: 24 Jan 2018 10:38

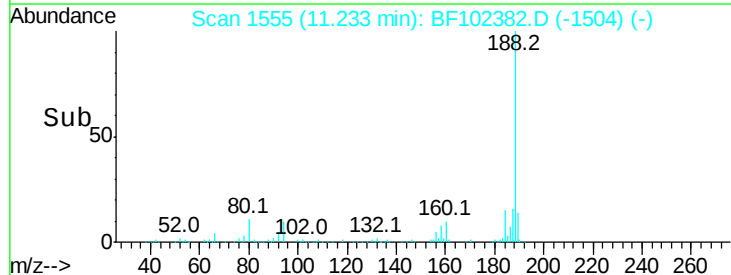
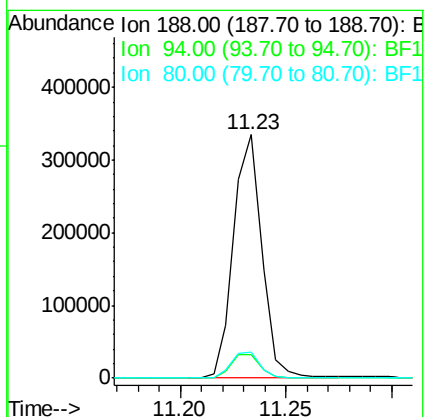
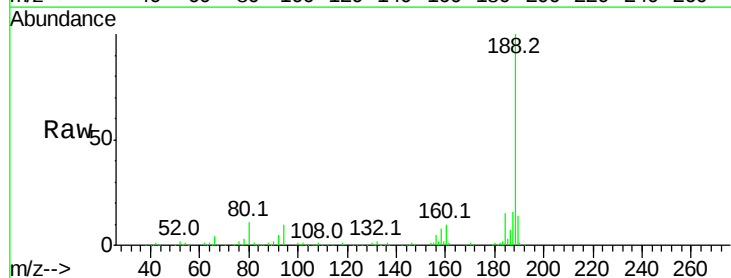
Instrument :
 BNA_F
 ClientSampleId :

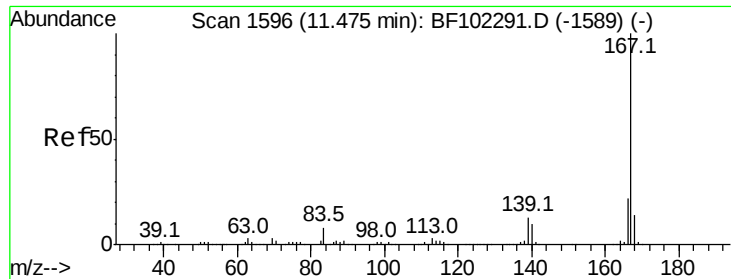
Tot Ion:165 Resp: 26409
 Ion Ratio Lower Upper
 165 100
 63 1.3 36.4 54.6#
 89 1.5 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: BF102382.D
 Acq: 24 Jan 2018 10:38

Tgt Ion:188 Resp: 311416
 Ion Ratio Lower Upper
 188 100
 94 9.8 8.5 12.7
 80 10.7 9.2 13.8





#72

Carbazole

Concen: 4.113 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF102382.D

Acq: 24 Jan 2018 10:38

Instrument :

BNA_F

ClientSampleId :

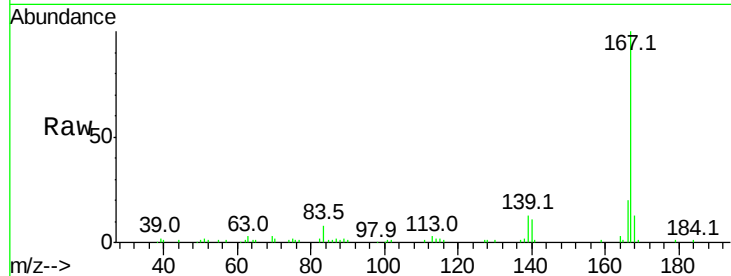
Tot Ion:167 Resp: 74318

Ion Ratio Lower Upper

167 100

166 20.2 17.6 26.4

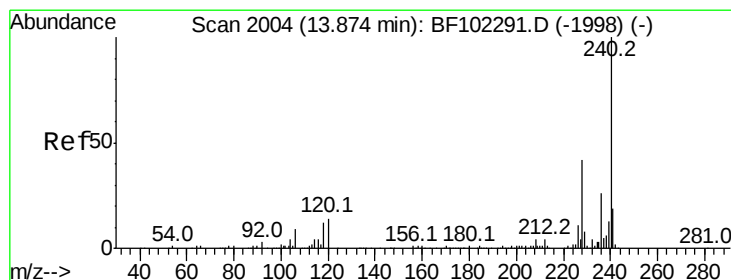
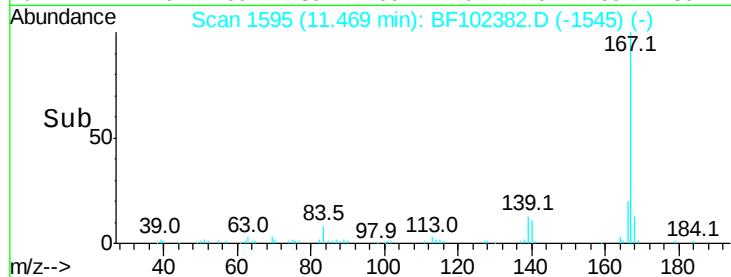
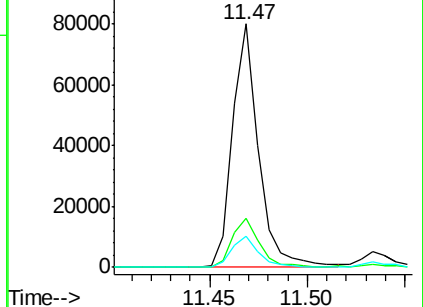
139 12.6 10.9 16.3



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102382.D

Acq: 24 Jan 2018 10:38

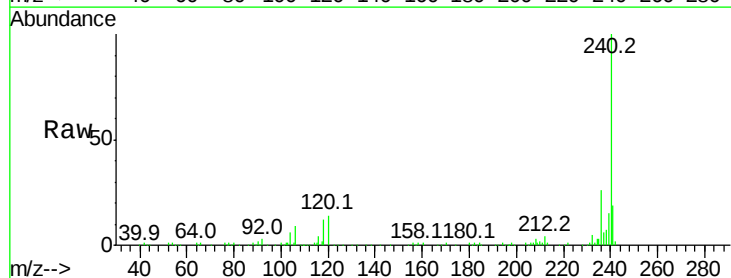
Tgt Ion:240 Resp: 226175

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

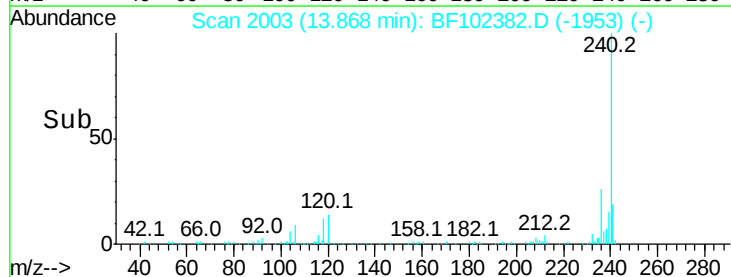
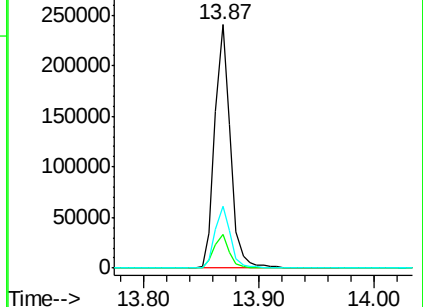
236 25.6 20.7 31.1

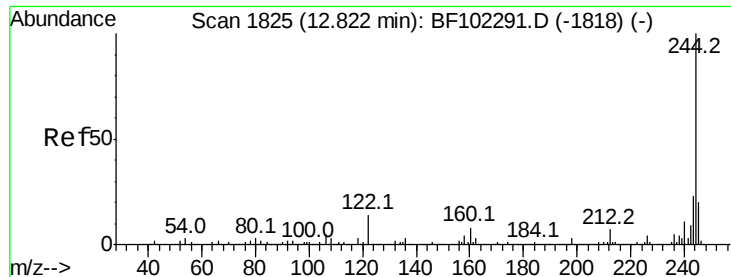


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

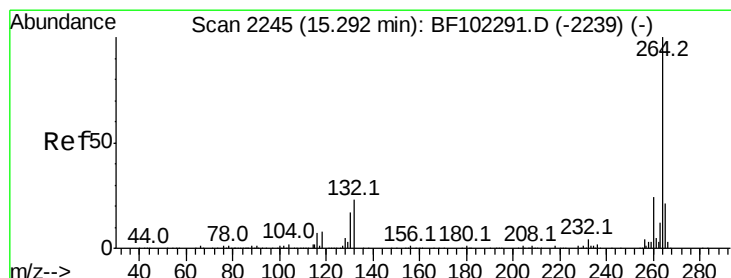
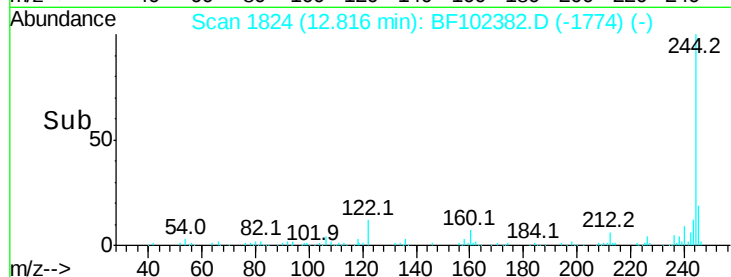
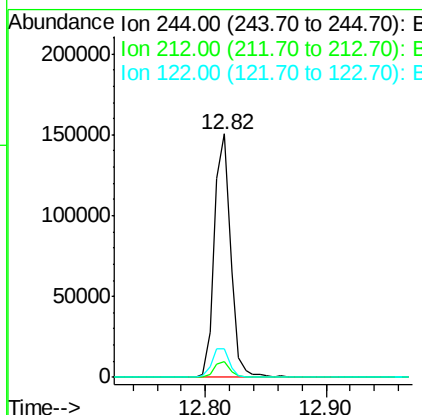
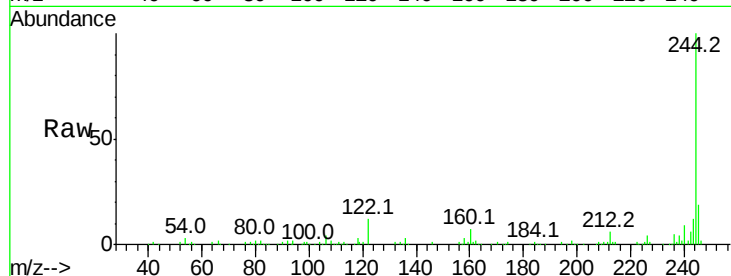




#78
 Terphenyl-d14
 Concen: 13.839 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF102382.D
 Acq: 24 Jan 2018 10:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 138847
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 11.8 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: BF102382.D
 Acq: 24 Jan 2018 10:38

Tgt Ion:264 Resp: 221926
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.2 28.8
 265 23.0 17.5 26.3

