

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021518\
 Data File : BF103037.D
 Acq On : 16 Feb 2018 2:11
 Operator : SJ/JU
 Sample : J1559-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

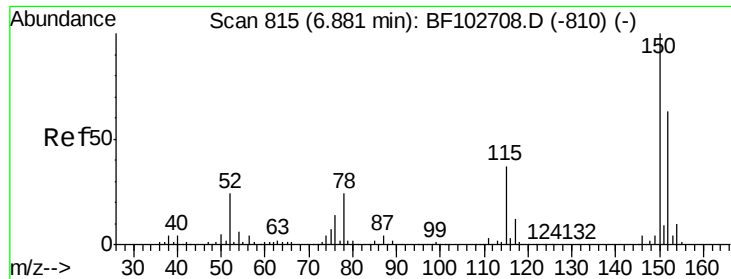
Quant Time: Feb 16 04:18:57 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 15 14:08:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	169963	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	680714	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	269093	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	365899	20.00	ng	0.00
75) Chrysene-d12	14.05	240	300335	20.00	ng	0.00
86) Perylene-d12	15.53	264	234754	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1200838	107.30	ng	0.02
7) Phenol-d6	6.52	99	1335317	99.09	ng	0.00
23) Nitrobenzene-d5	7.45	82	953049	97.12	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	257921	119.08	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1448088	89.30	ng	0.00
78) Terphenyl-d14	12.99	244	1034945	81.59	ng	0.00

Target Compounds						Qvalue
9) Benzaldehyde	6.43	77	99586	9.95	ng	# 44
15) Benzyl Alcohol	7.06	79	3051202	294.51	ng	98
17) 2-Methylphenol	7.06	107	1721406	161.97	ng	# 20
18) Hexachloroethane	7.41	117	41797	9.17	ng	# 1
20) 3+4-Methylphenols	7.06	107	1708775	130.38	ng	# 1
22) Acetophenone	7.27	105	126063	7.57	ng	# 61
25) Isophorone	7.69	82	45903	2.03	ng	# 1
26) 2-Nitrophenol	7.77	139	3673	9.30	ng	# 1
27) 2,4-Dimethylphenol	7.92	122	116330	12.19	ng	# 31
31) Naphthalene	8.18	128	85712	2.58	ng	# 86
32) Benzoic acid	7.92	122	116330	24.16	ng	# 1
37) 2-Methylnaphthalene	8.87	142	97667	4.49	ng	98
47) 2-Nitroaniline	9.47	65	3163	4.01	ng	# 1
53) 2,4-Dinitrophenol	9.98	184	145	8.13	ng	# 1
55) 4-Nitrophenol	10.02	139	5311	5.27	ng	# 1
56) 2,4-Dinitrotoluene	10.12	165	3375	3.67	ng	# 66
64) 4,6-Dinitro-2-methylphenol	10.55	198	299	8.97	ng	# 1
83) Bis(2-ethylhexyl)phthalate	14.02	149	109299	7.58	ng	99

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

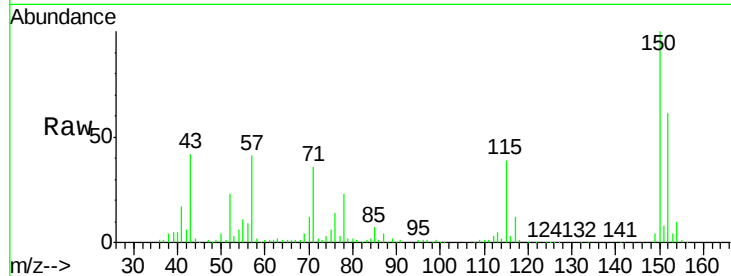


#1

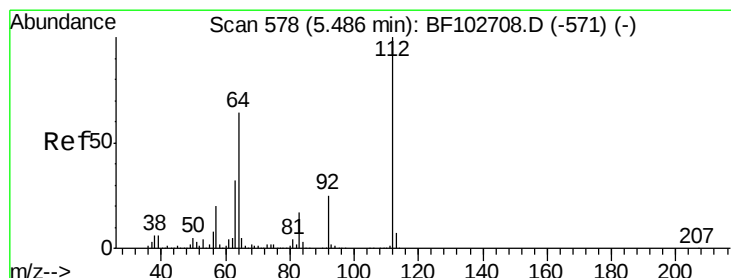
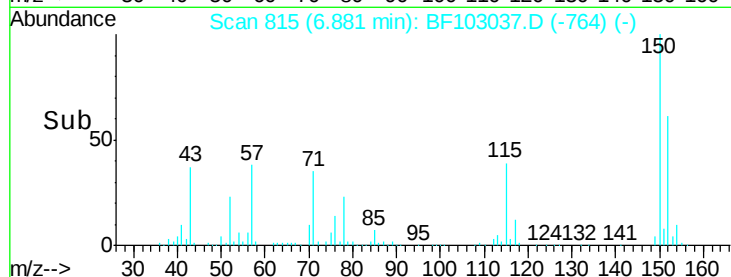
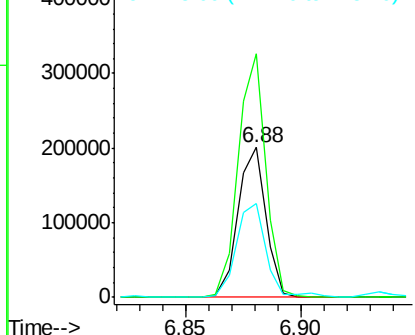
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF103037.D
Acq: 16 Feb 2018 2:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 169963
Ion Ratio Lower Upper
152 100
150 162.6 124.6 186.8
115 62.6 50.1 75.1



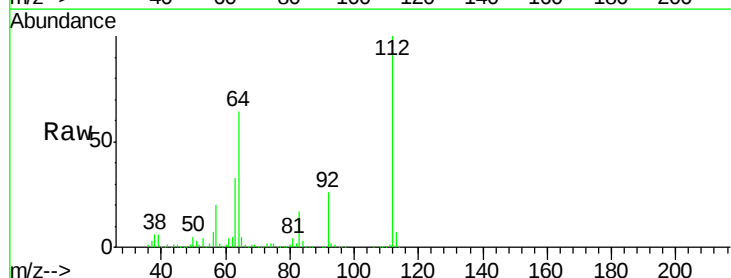
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



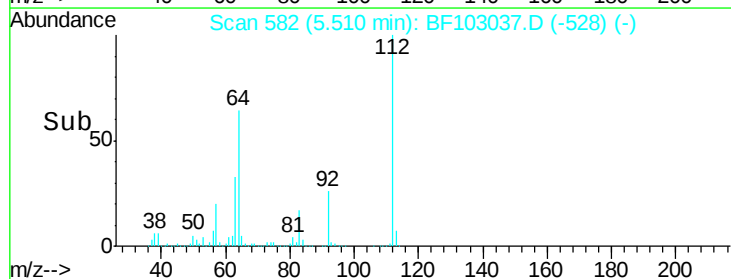
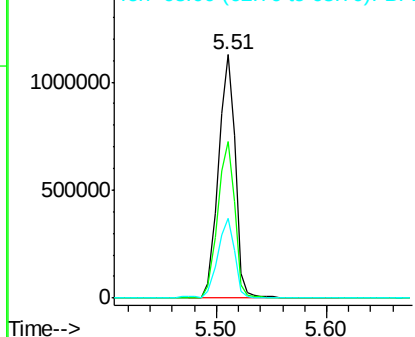
#5

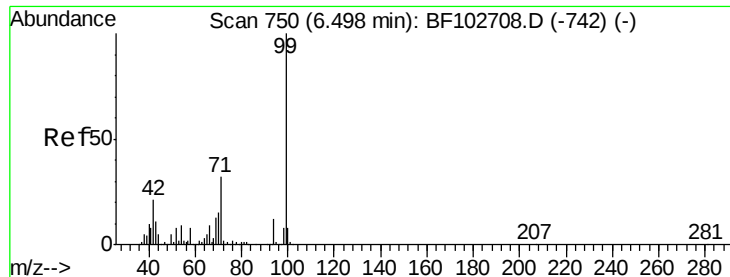
2-Fluorophenol
Concen: 107.30 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF103037.D
Acq: 16 Feb 2018 2:11

Tgt Ion:112 Resp: 1200838
Ion Ratio Lower Upper
112 100
64 64.3 47.9 71.9
63 32.8 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: 99.09 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103037.D

Acq: 16 Feb 2018 2:11

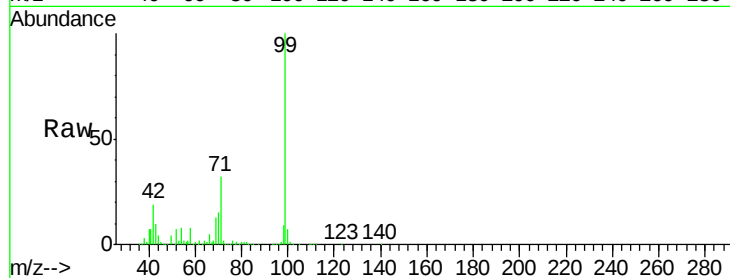
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1335317

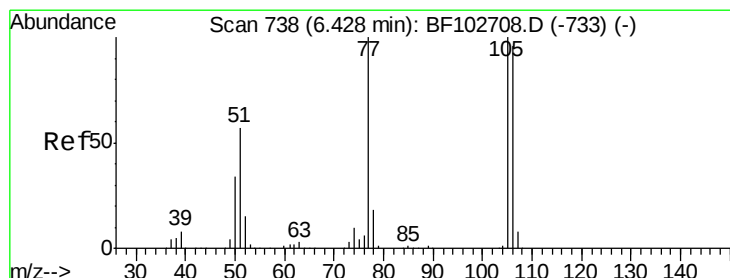
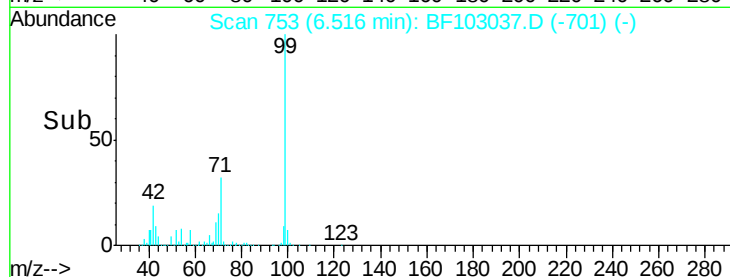
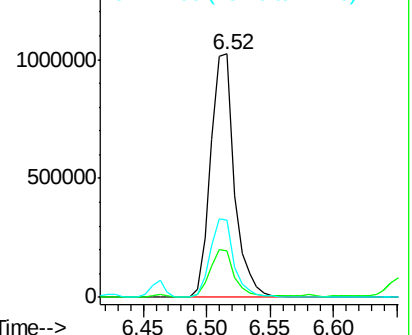
Ion	Ratio	Lower	Upper
99	100		
42	18.9	14.5	21.7
71	31.6	25.4	38.0



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: 9.95 ng

RT: 6.43 min Scan# 739

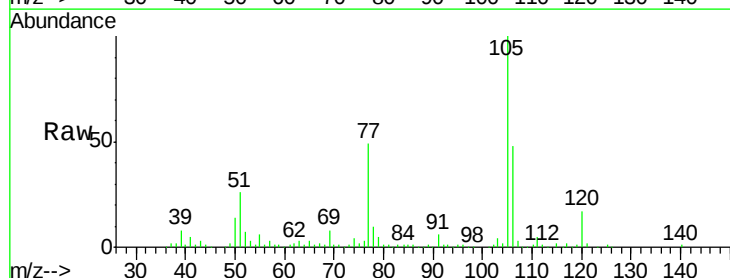
Delta R.T. 0.00 min

Lab File: BF103037.D

Acq: 16 Feb 2018 2:11

Tgt Ion: 77 Resp: 99586

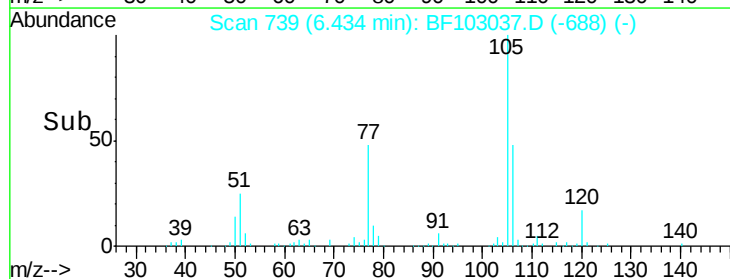
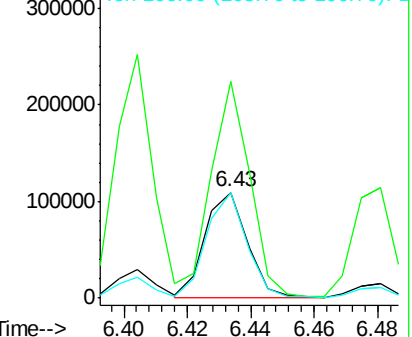
Ion	Ratio	Lower	Upper
77	100		
105	204.8	81.1	121.1#
106	99.1	74.5	114.5

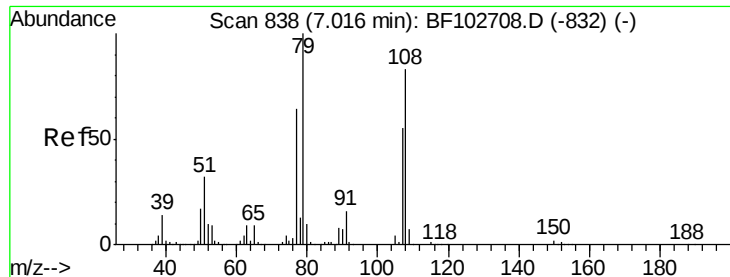


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#15

Benzyl Alcohol

Concen: 294.51 ng

RT: 7.06 min Scan# 846

Delta R.T. 0.04 min

Lab File: BF103037.D

Acq: 16 Feb 2018 2:11

Instrument :

BNA_F

ClientSampleId :

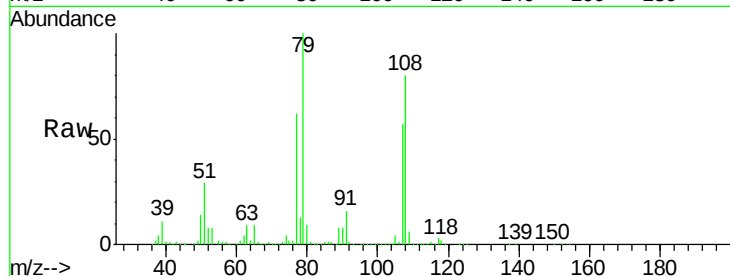
Tot Ion: 79 Resp: 3051202

Ion Ratio Lower Upper

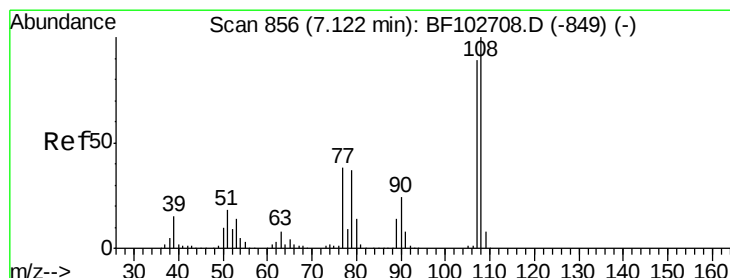
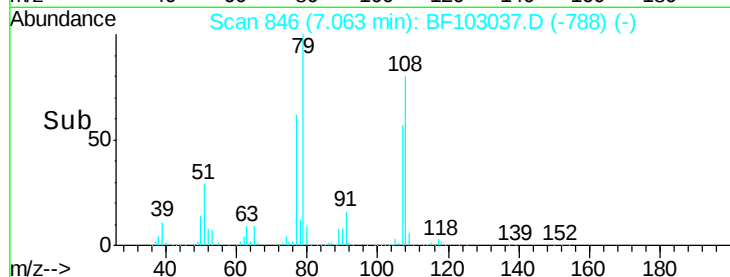
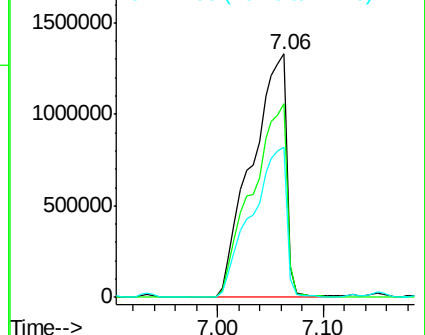
79 100

108 79.6 65.1 97.7

77 61.9 50.6 75.8



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



#17

2-Methylphenol

Concen: 161.97 ng

RT: 7.06 min Scan# 846

Delta R.T. -0.06 min

Lab File: BF103037.D

Acq: 16 Feb 2018 2:11

Tgt Ion: 107 Resp: 1721406

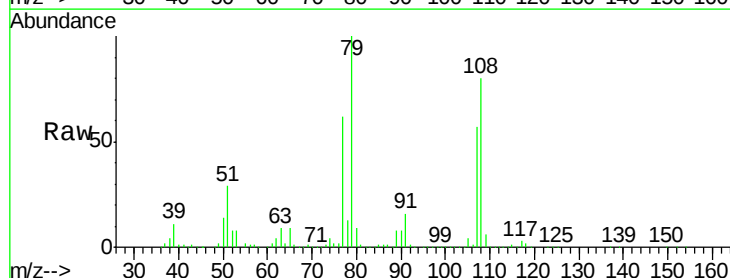
Ion Ratio Lower Upper

107 100

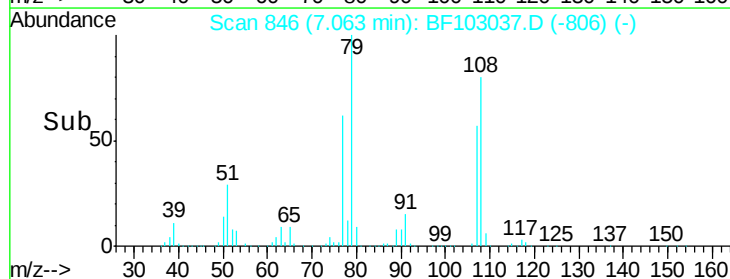
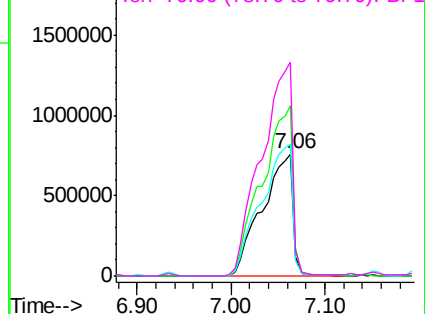
108 139.4 91.7 137.5#

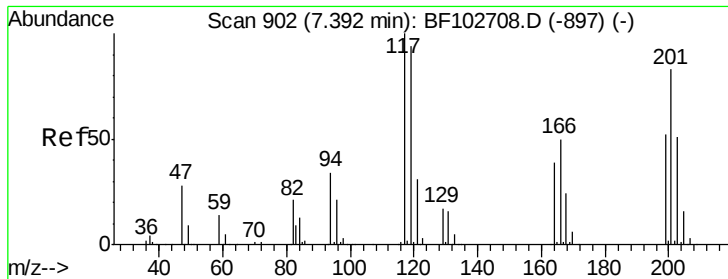
77 108.3 33.8 50.8#

79 175.0 33.8 50.8#



Abundance Ion 107.00 (106.70 to 107.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

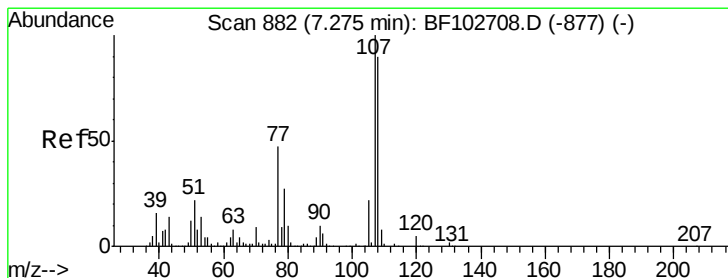
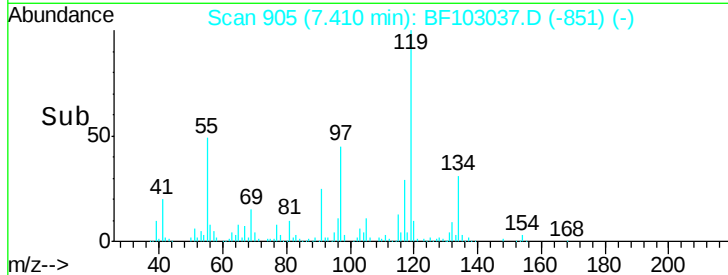
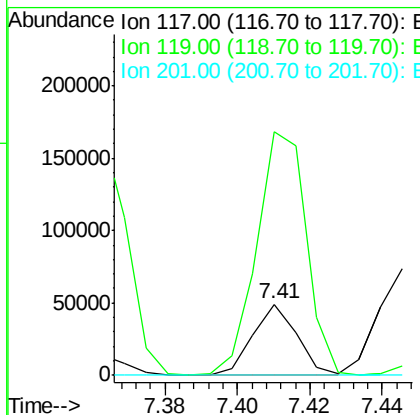
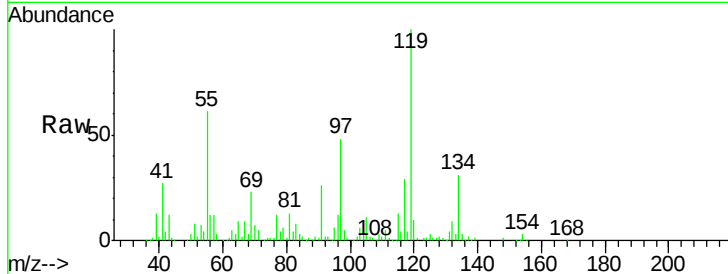




#18
Hexachloroethane
Concen: 9.17 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.02 min
Lab File: BF103037.D
Acq: 16 Feb 2018 2:11

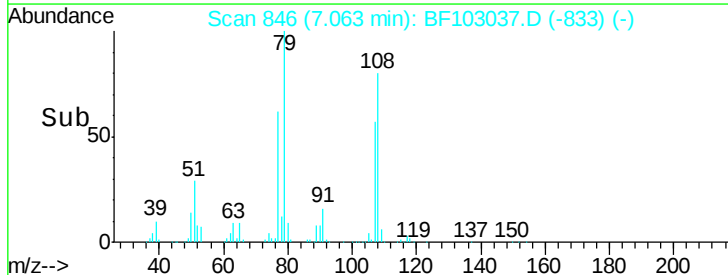
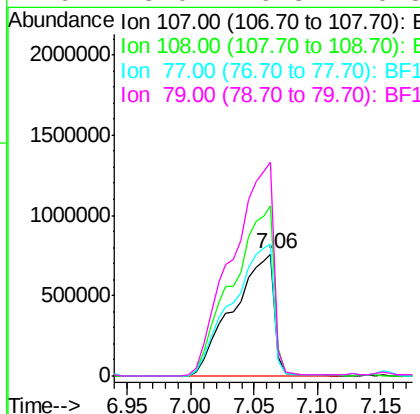
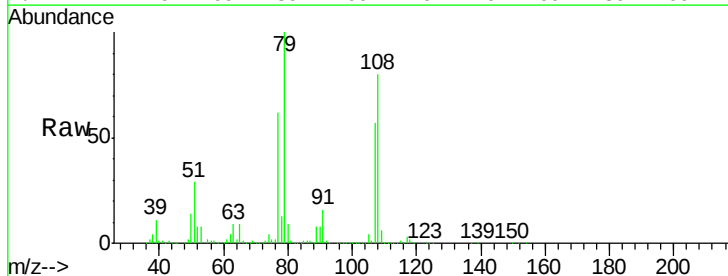
Instrument :
BNA_F
ClientSampleId :

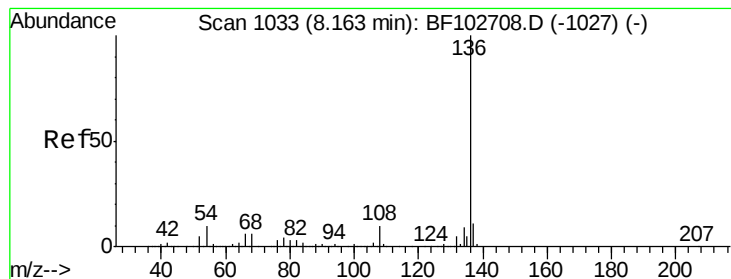
Tot Ion:117 Resp: 41797
Ion Ratio Lower Upper
117 100
119 342.6 75.8 113.8#
201 0.0 75.7 113.5#



#20
3+4-Methylphenols
Concen: 130.38 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.22 min
Lab File: BF103037.D
Acq: 16 Feb 2018 2:11

Tgt Ion:107 Resp: 1708775
Ion Ratio Lower Upper
107 100
108 139.4 68.2 108.2#
77 108.3 26.7 66.7#
79 175.0 6.3 46.3#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BF103037.D

Acq: 16 Feb 2018 2:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 680714

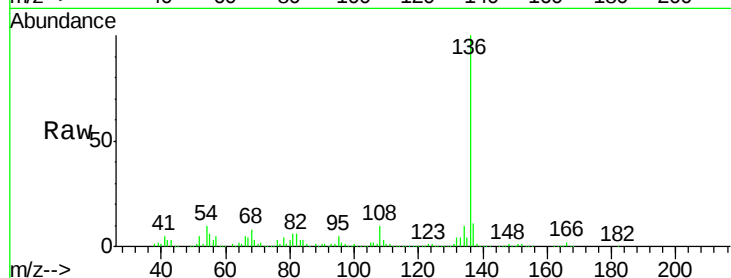
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 9.8 6.6 9.8

68 7.5 5.0 7.4#

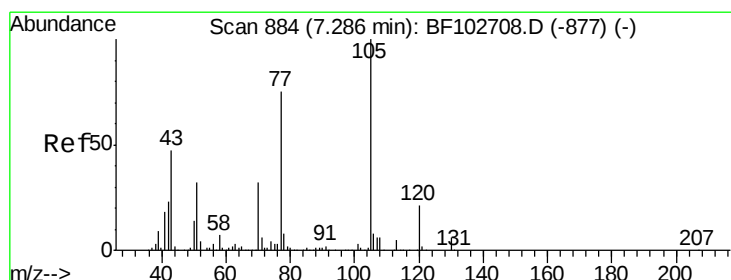
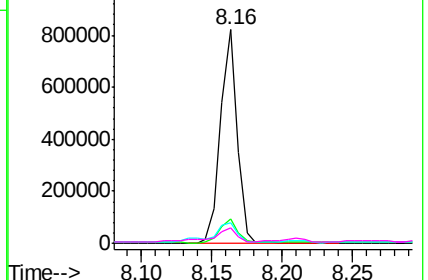
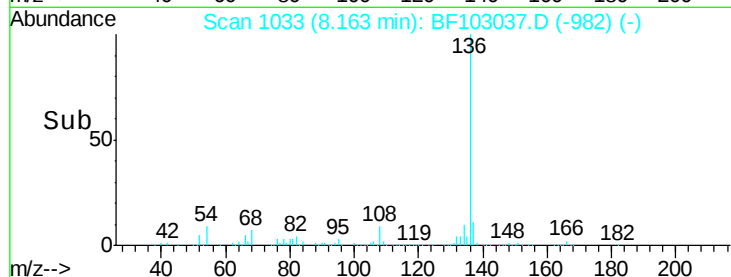


Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.57 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.02 min

Lab File: BF103037.D

Acq: 16 Feb 2018 2:11

Tgt Ion:105 Resp: 126063

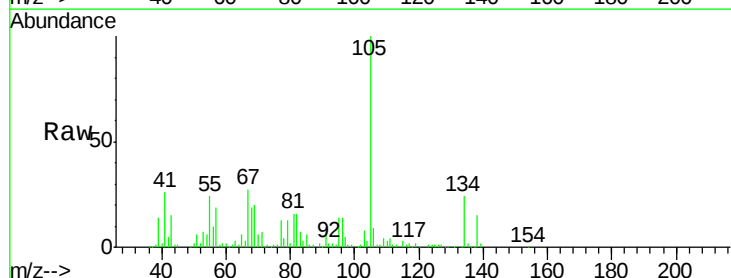
Ion Ratio Lower Upper

105 100

71 7.3 4.4 6.6#

51 5.8 22.3 33.5#

120 0.2 16.9 25.3#

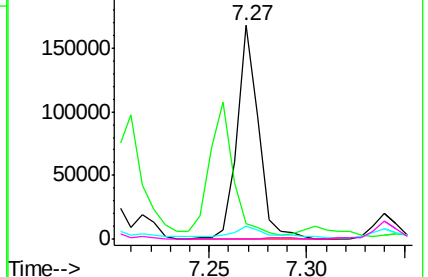
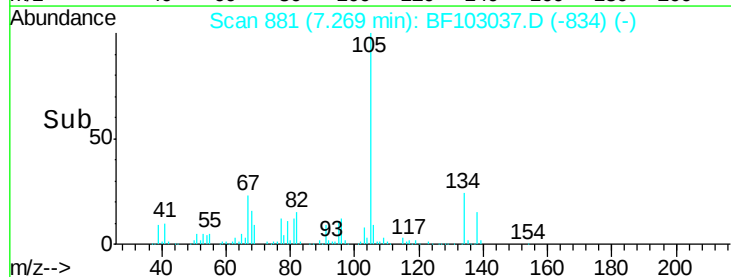


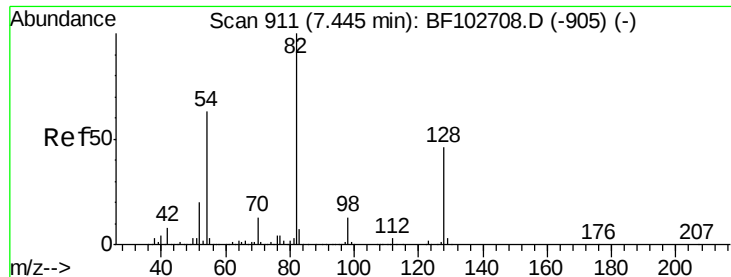
Abundance Ion 105.00 (104.70 to 105.70): E

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

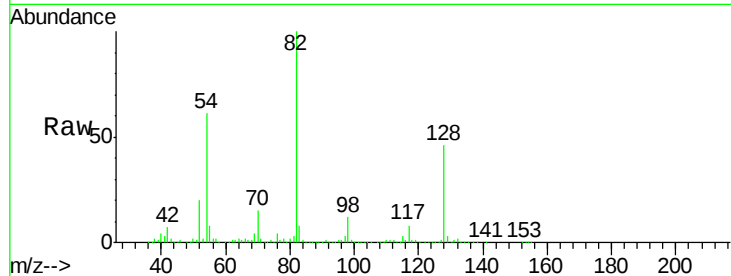




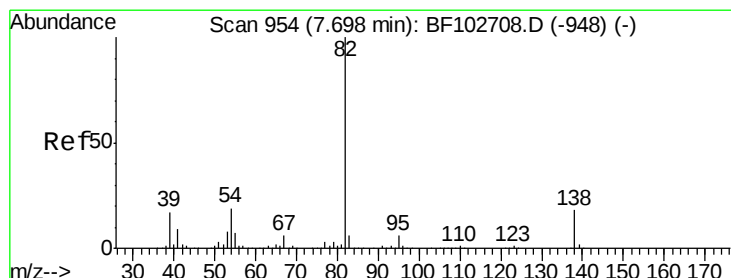
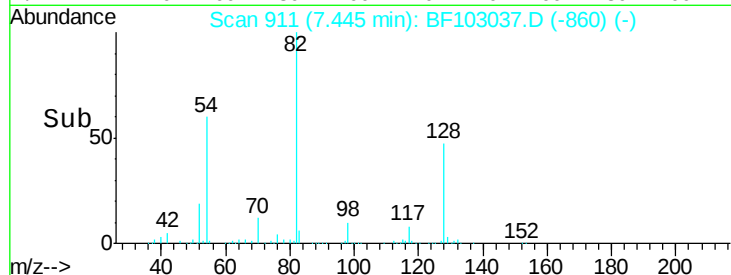
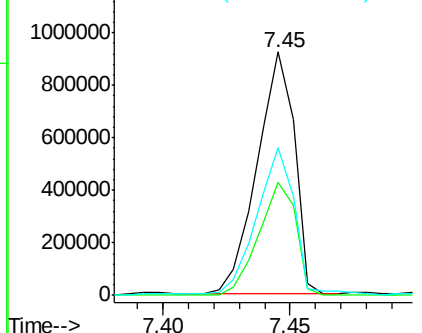
#23
Nitrobenzene-d5
Concen: 97.12 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.00 min
Lab File: BF103037.D
Acq: 16 Feb 2018 2:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	953049
Ion Ratio	Lower	Upper	
82	100		
128	46.3	36.1	54.1
54	60.5	41.4	62.2

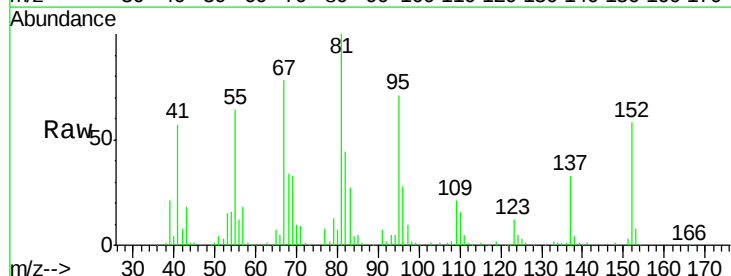


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

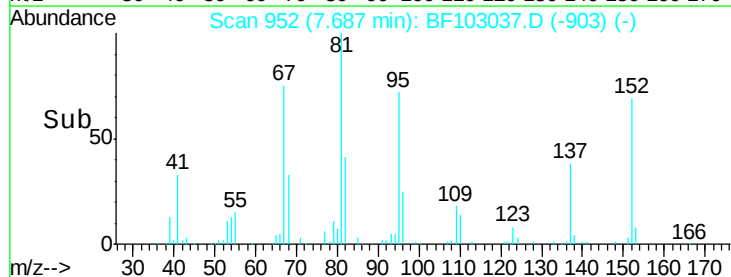
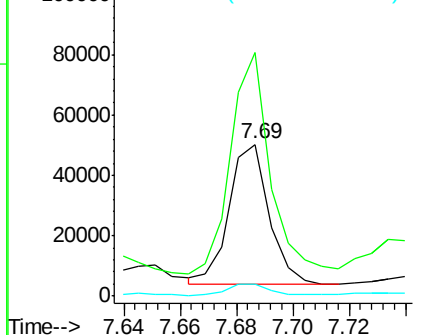


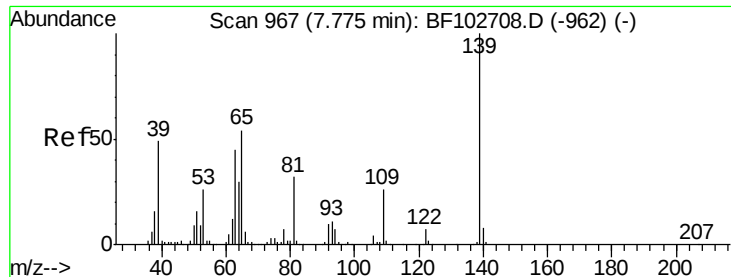
#25
Isophorone
Concen: 2.03 ng
RT: 7.69 min Scan# 952
Delta R.T. -0.01 min
Lab File: BF103037.D
Acq: 16 Feb 2018 2:11

Tgt Ion	82	Resp	45903
Ion Ratio	Lower	Upper	
82	100		
95	160.2	5.2	7.8#
138	8.1	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





#26

2-Nitrophenol

Concen: 9.30 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF103037.D

Acq: 16 Feb 2018 2:11

Instrument :

BNA_F

ClientSampled :

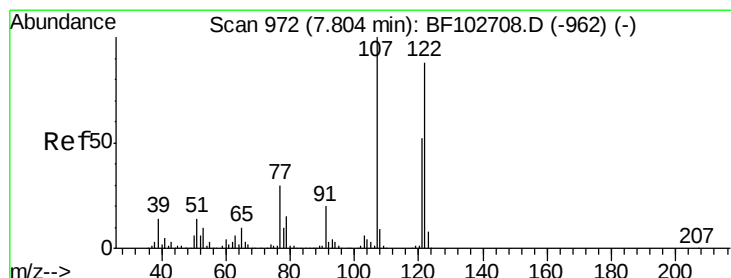
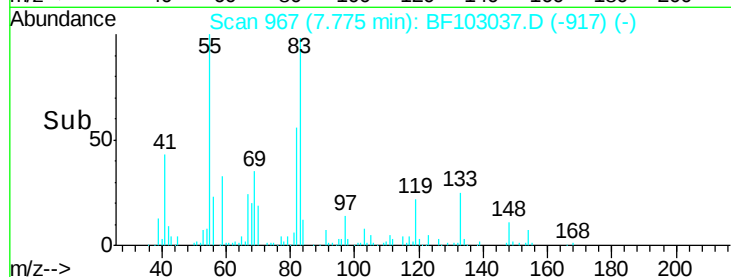
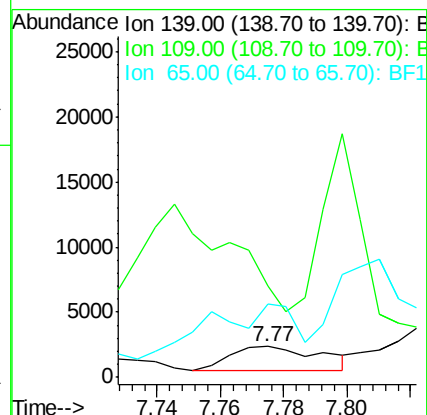
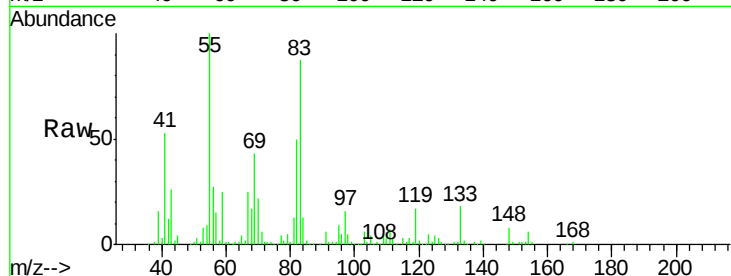
Tot Ion:139 Resp: 3673

Ion Ratio Lower Upper

139 100

109 295.1 22.7 34.1#

65 240.1 40.5 60.7#



#27

2,4-Dimethylphenol

Concen: 12.19 ng

RT: 7.92 min Scan# 992

Delta R.T. 0.11 min

Lab File: BF103037.D

Acq: 16 Feb 2018 2:11

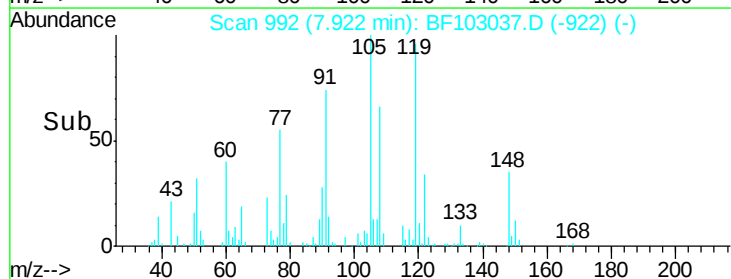
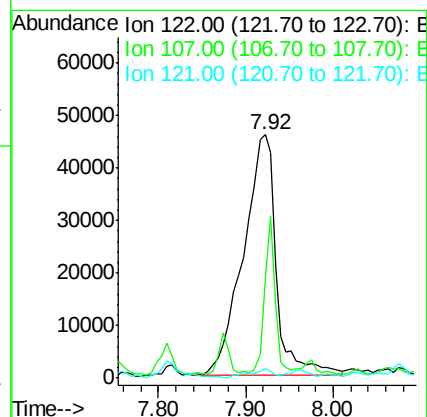
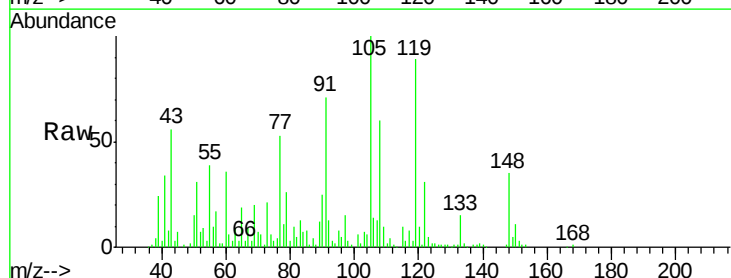
Tgt Ion:122 Resp: 116330

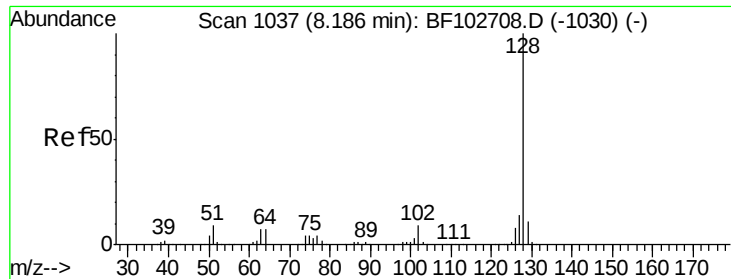
Ion Ratio Lower Upper

122 100

107 41.4 91.2 136.8#

121 4.1 47.2 70.8#

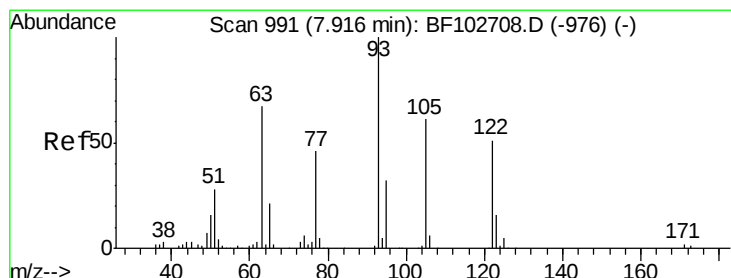
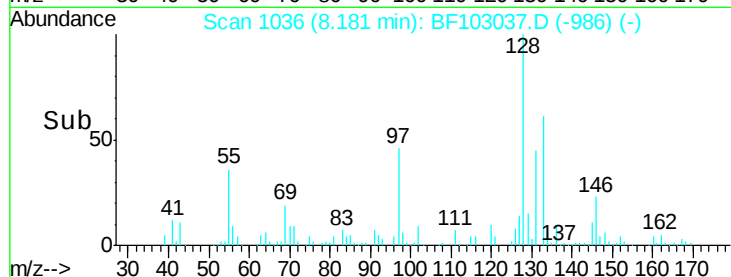
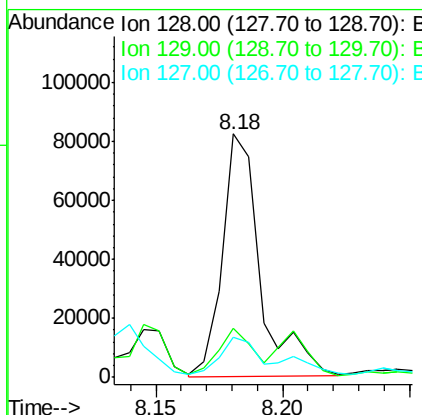
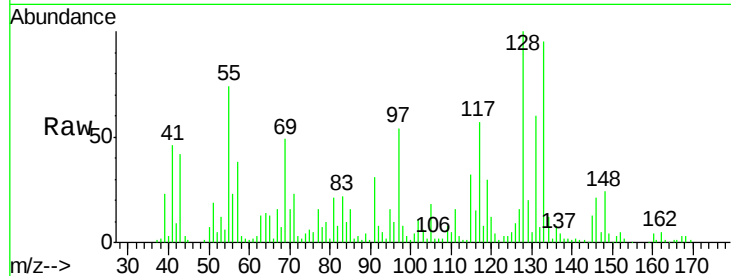




#31
Naphthalene
Concen: 2.58 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF103037.D
Acq: 16 Feb 2018 2:11

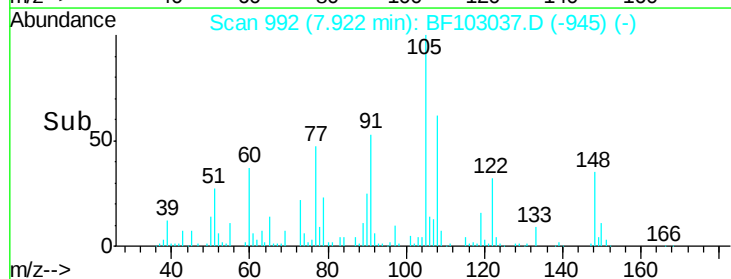
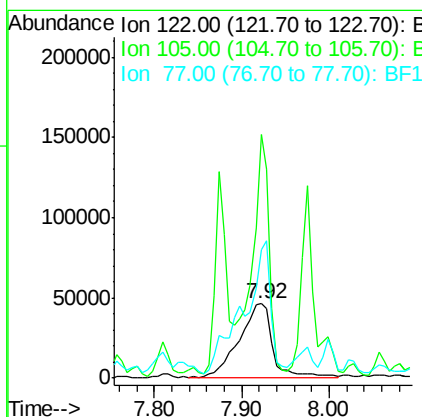
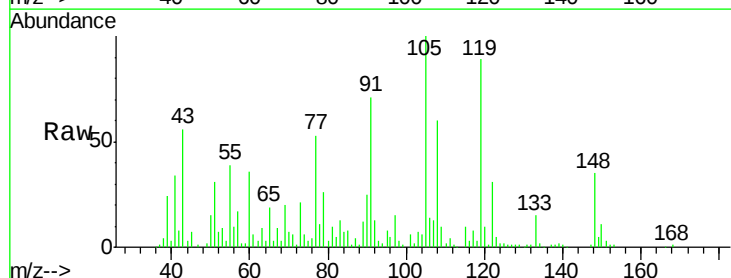
Instrument :
BNA_F
ClientSampleId :

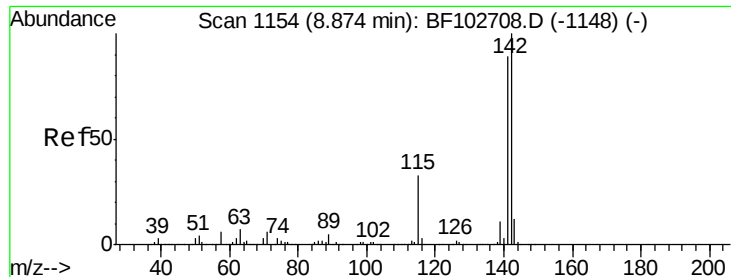
Tot Ion:128 Resp: 85712
Ion Ratio Lower Upper
128 100
129 20.2 8.8 13.2#
127 16.2 10.9 16.3



#32
Benzoic acid
Concen: 24.16 ng
RT: 7.92 min Scan# 992
Delta R.T. -0.02 min
Lab File: BF103037.D
Acq: 16 Feb 2018 2:11

Tgt Ion:122 Resp: 116330
Ion Ratio Lower Upper
122 100
105 327.3 101.1 141.1#
77 172.2 70.7 110.7#

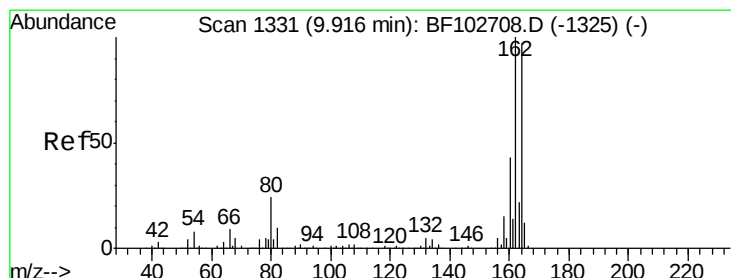
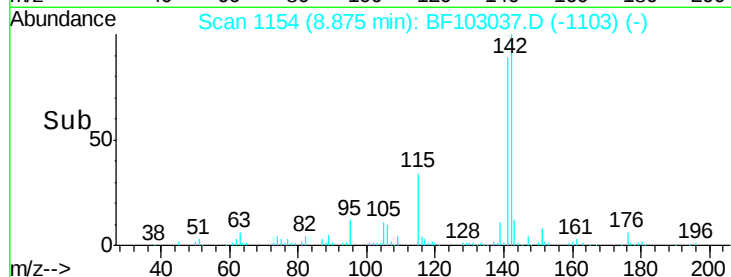
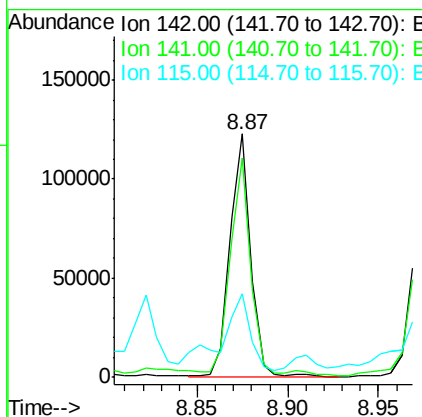
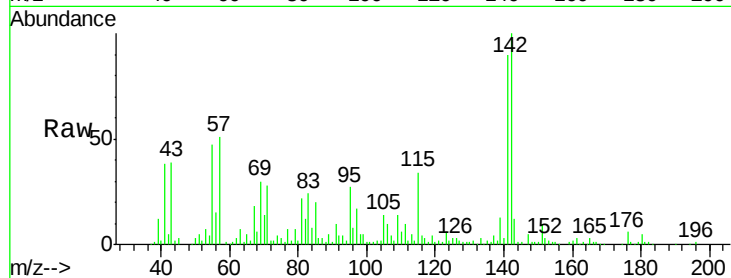




#37
2-Methylnaphthalene
Concen: 4.49 ng
RT: 8.87 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF103037.D
Acq: 16 Feb 2018 2:11

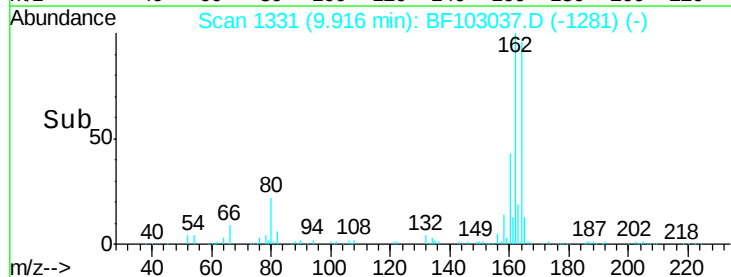
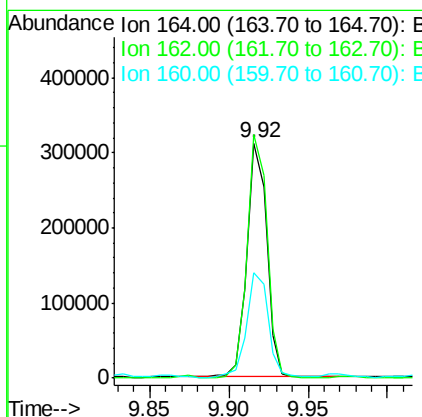
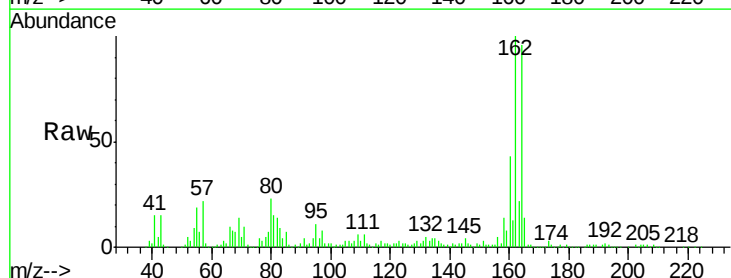
Instrument :
BNA_F
ClientSampleId :

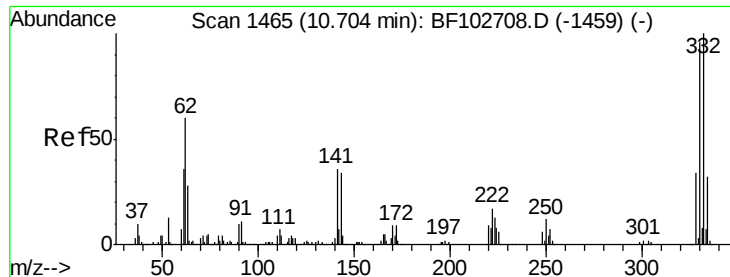
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.8	106.2
115	34.5	26.1	39.1



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103037.D
Acq: 16 Feb 2018 2:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	86.1	129.1
160	44.8	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 119.08 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.00 min

Lab File: BF103037.D

Acq: 16 Feb 2018 2:11

Instrument :

BNA_F

ClientSampleId :

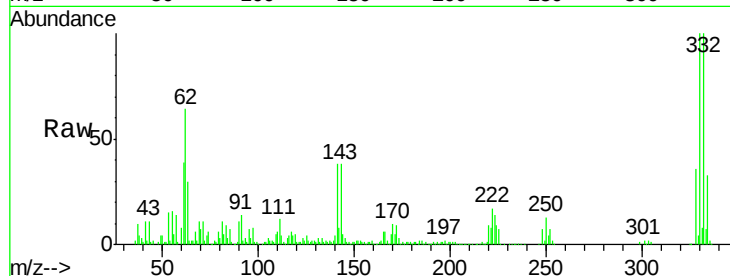
Tot Ion:330 Resp: 257921

Ion Ratio Lower Upper

330 100

332 101.9 77.0 115.6

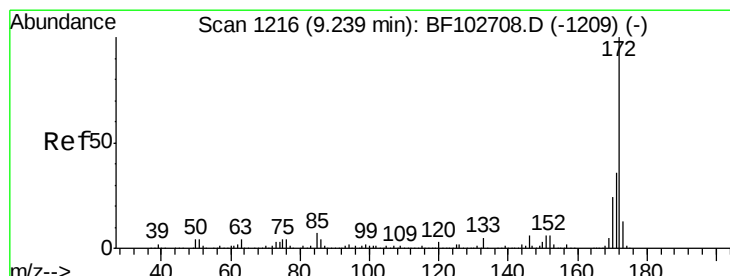
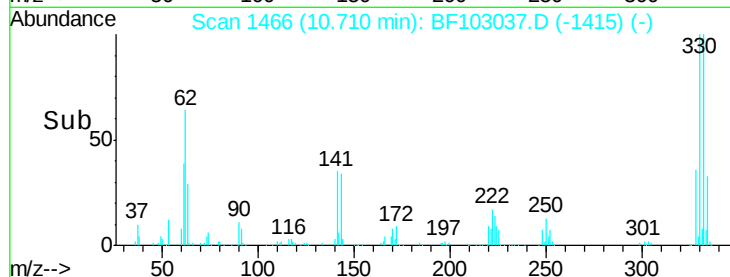
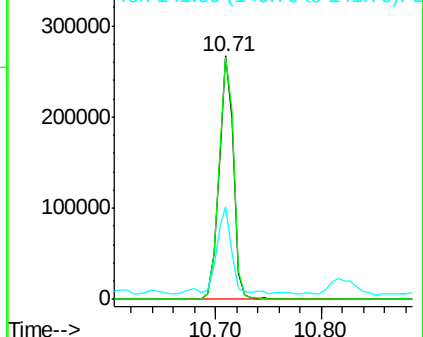
141 39.0 29.9 44.9



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: 89.30 ng

RT: 9.24 min Scan# 1216

Delta R.T. 0.00 min

Lab File: BF103037.D

Acq: 16 Feb 2018 2:11

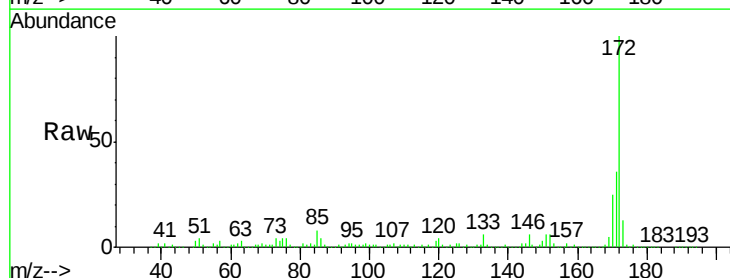
Tgt Ion:172 Resp: 1448088

Ion Ratio Lower Upper

172 100

171 36.1 29.7 44.5

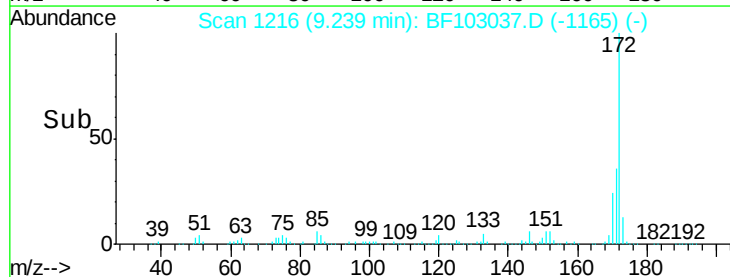
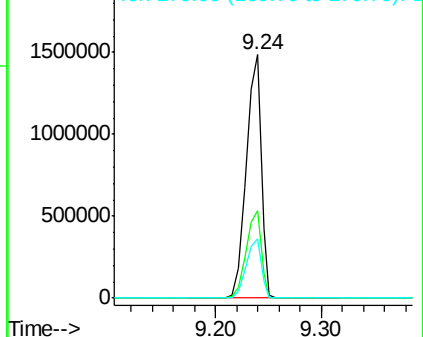
170 24.5 19.6 29.4

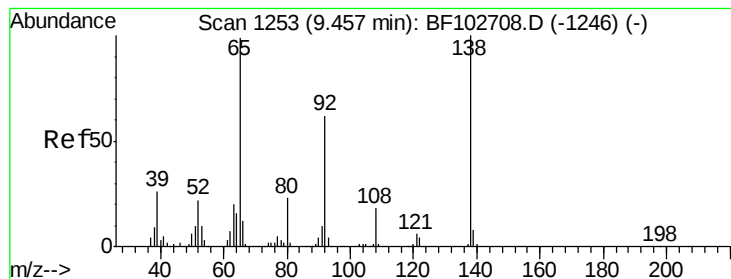


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#47

2-Nitroaniline

Concen: 4.01 ng

RT: 9.47 min Scan# 1255

Delta R.T. 0.01 min

Lab File: BF103037.D

Acq: 16 Feb 2018 2:11

Instrument :

BNA_F

ClientSampleId :

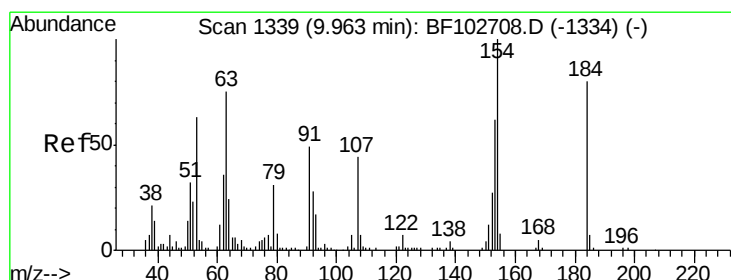
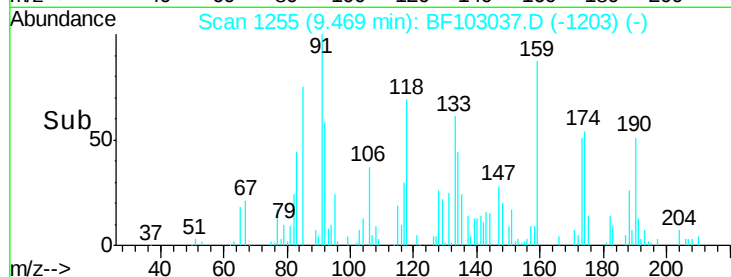
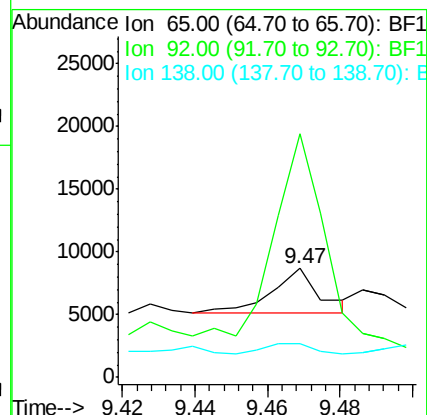
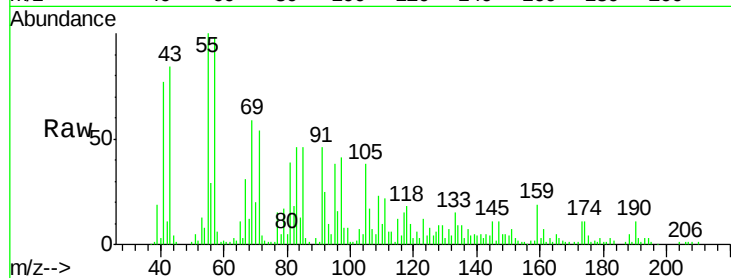
Tot Ion: 65 Resp: 3163

Ion Ratio Lower Upper

65 100

92 223.9 55.8 83.6#

138 31.3 91.2 136.8#



#53

2,4-Dinitrophenol

Concen: 8.13 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.00 min

Lab File: BF103037.D

Acq: 16 Feb 2018 2:11

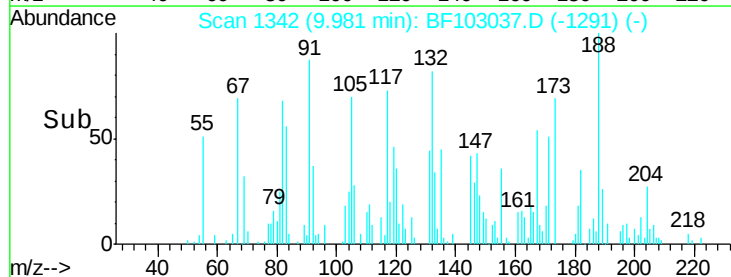
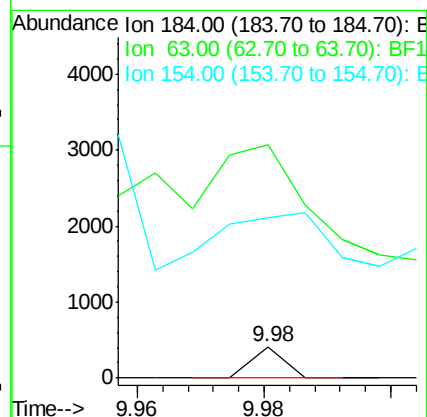
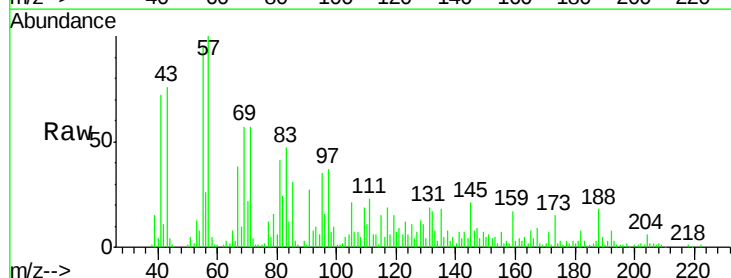
Tgt Ion: 184 Resp: 145

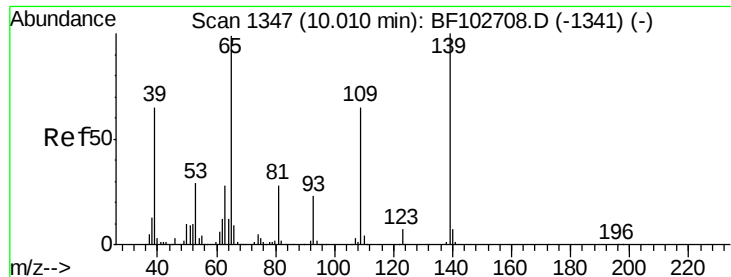
Ion Ratio Lower Upper

184 100

63 750.5 54.2 81.2#

154 514.9 184.0 276.0#

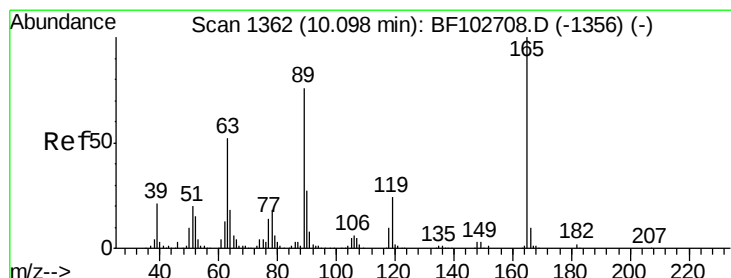
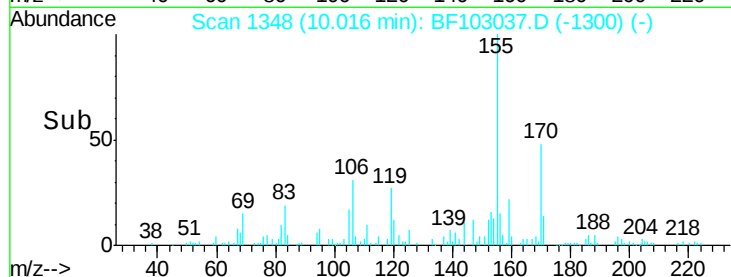
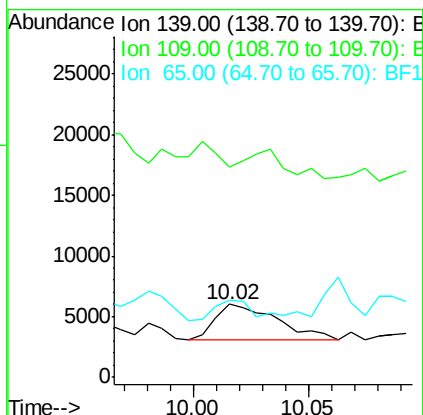
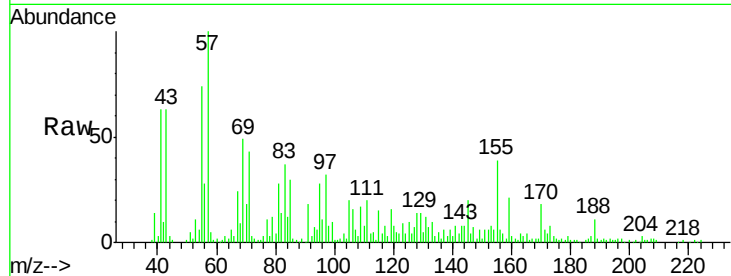




#55
4-Nitrophenol
Concen: 5.27 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.02 min
Lab File: BF103037.D
Acq: 16 Feb 2018 2:11

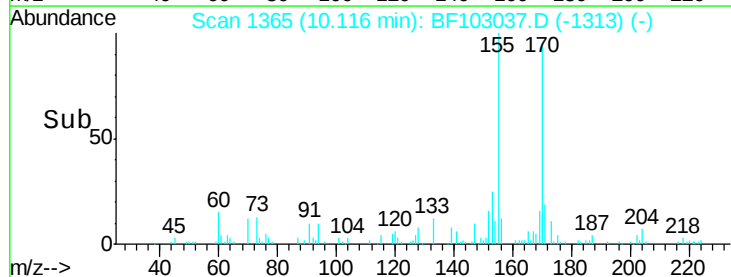
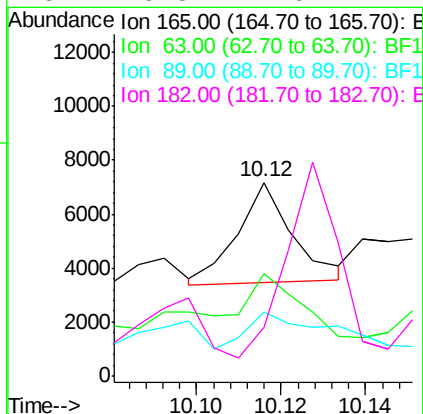
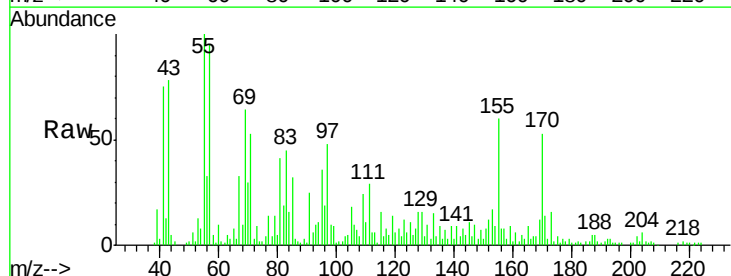
Instrument :
BNA_F
ClientSampleId :

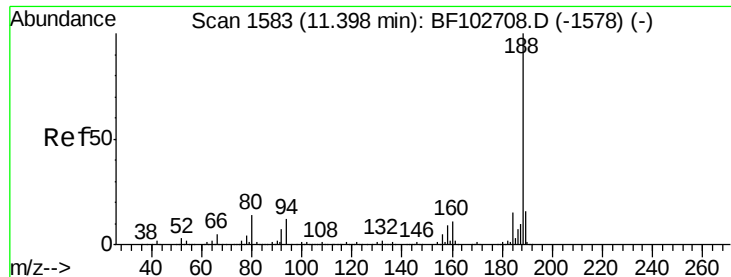
Tot Ion:139 Resp: 5311
Ion Ratio Lower Upper
139 100
109 286.8 48.4 88.4#
65 104.7 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 3.67 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.01 min
Lab File: BF103037.D
Acq: 16 Feb 2018 2:11

Tgt Ion:165 Resp: 3375
Ion Ratio Lower Upper
165 100
63 53.2 36.4 54.6
89 32.8 57.8 86.6#
182 25.3 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BF103037.D

Acq: 16 Feb 2018 2:11

Instrument :

BNA_F

ClientSampled :

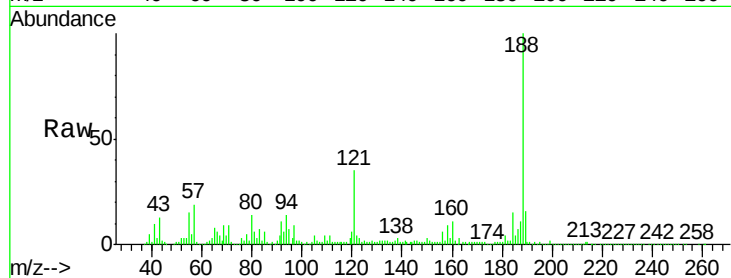
Tot Ion:188 Resp: 365899

Ion Ratio Lower Upper

188 100

94 13.5 8.5 12.7#

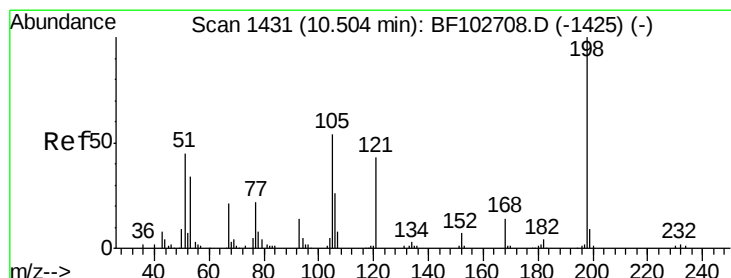
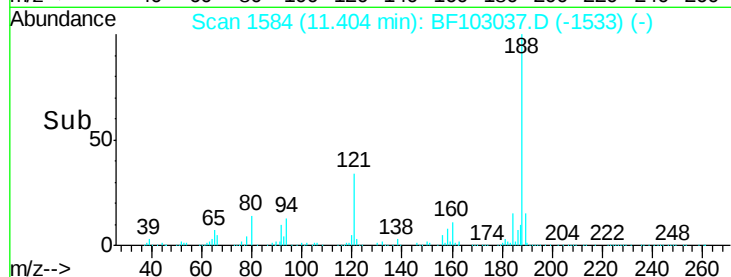
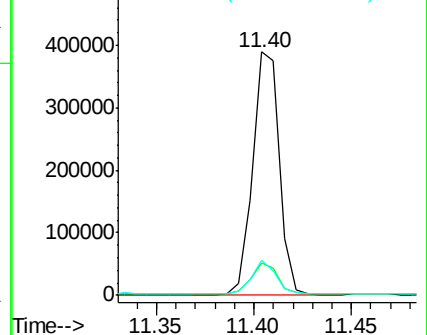
80 14.3 9.2 13.8#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 8.97 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.03 min

Lab File: BF103037.D

Acq: 16 Feb 2018 2:11

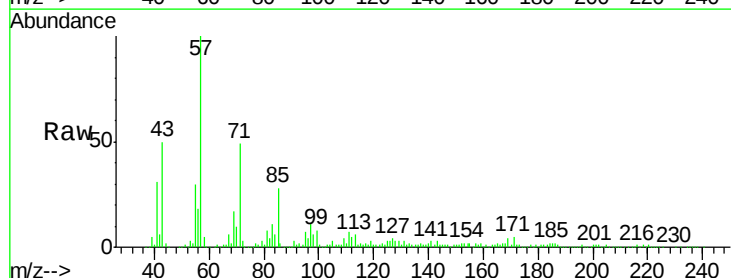
Tgt Ion:198 Resp: 299

Ion Ratio Lower Upper

198 100

51 750.0 37.7 77.7#

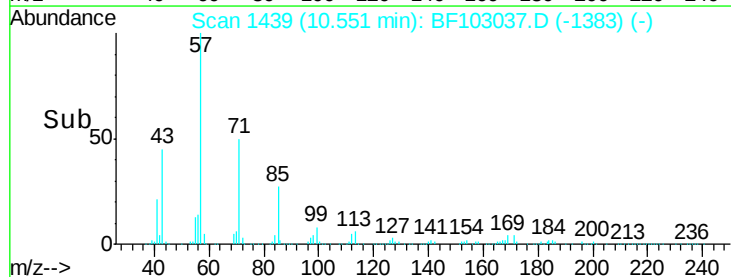
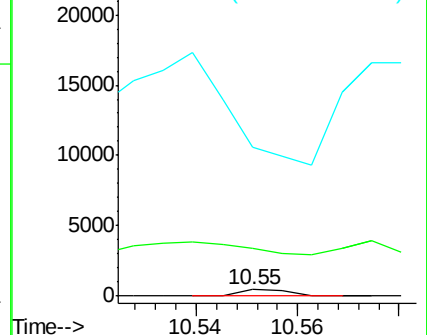
105 2362.0 36.3 76.3#

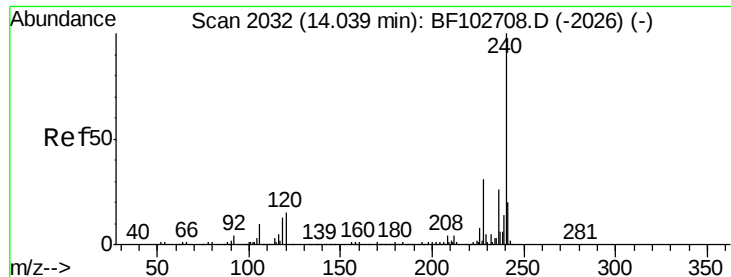


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#75

Chrvsene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF103037.D

Acq: 16 Feb 2018 2:11

Instrument :

BNA_F

ClientSampleId :

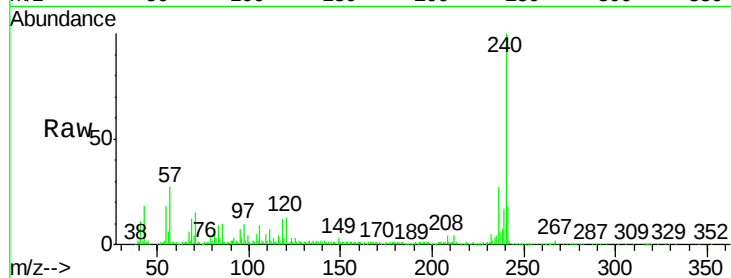
Tot Ion:240 Resp: 300335

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

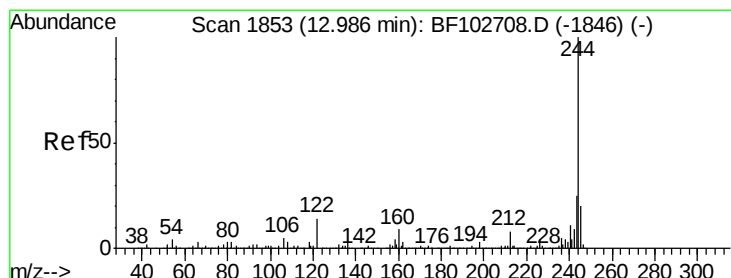
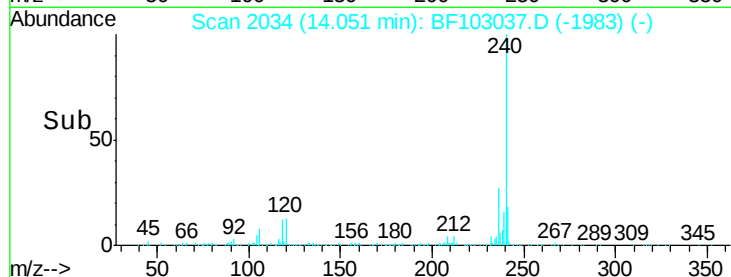
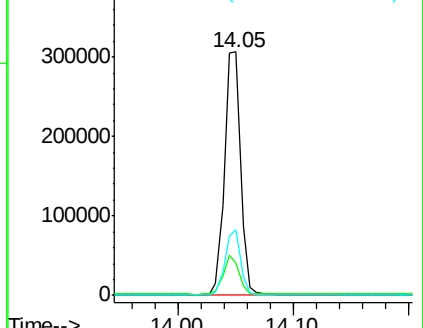
236 26.8 20.7 31.1



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: 81.59 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF103037.D

Acq: 16 Feb 2018 2:11

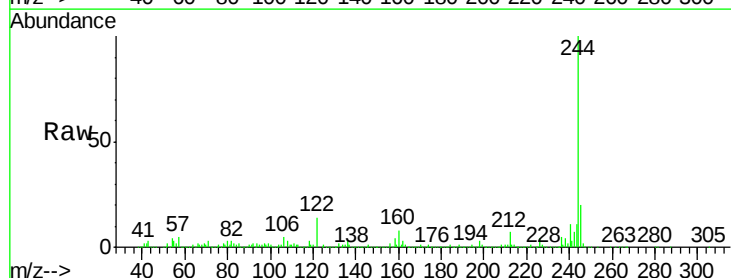
Tgt Ion:244 Resp: 1034945

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

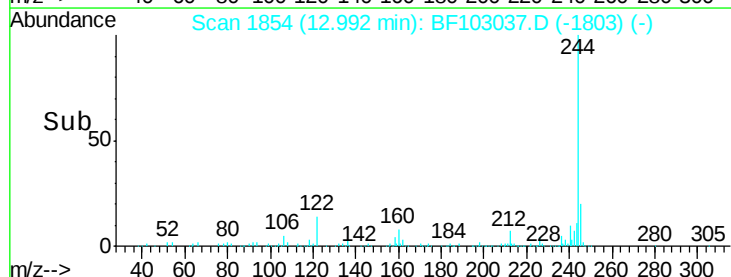
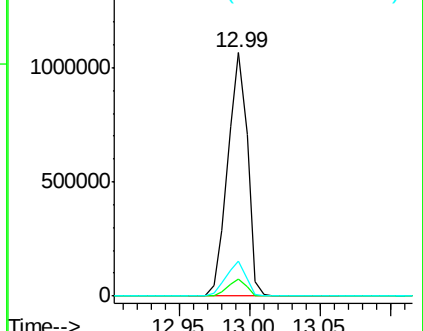
122 14.4 11.0 16.4

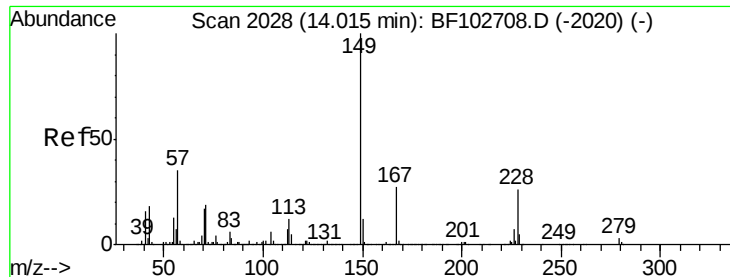


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

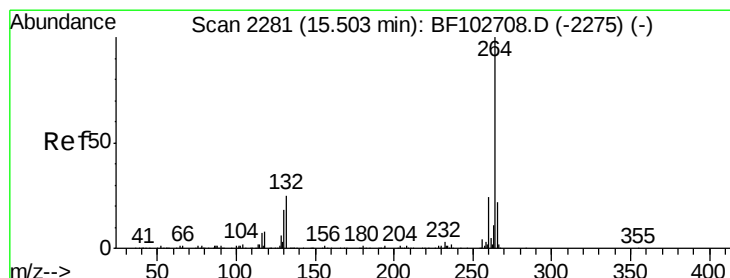
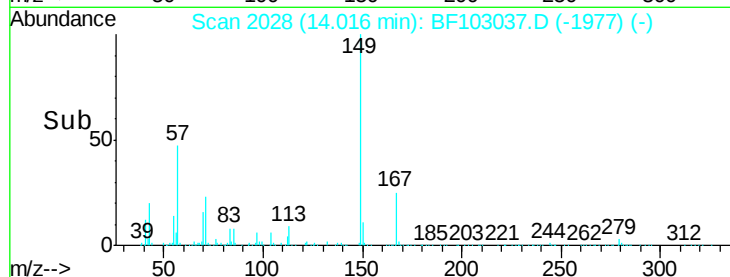
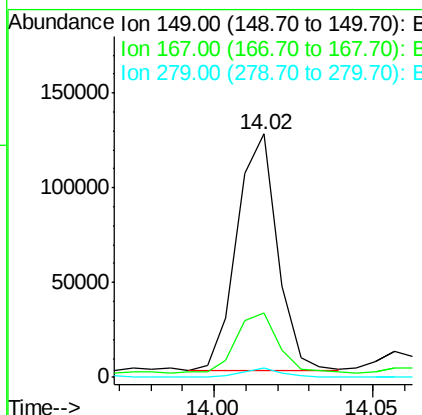
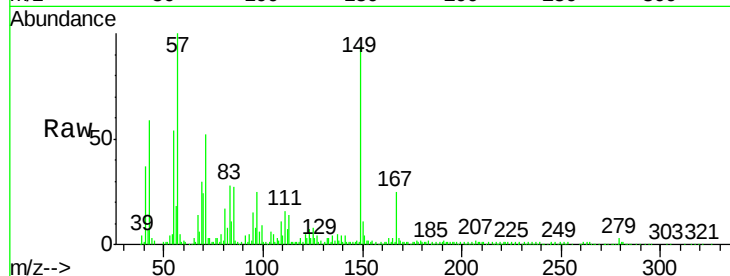




#83
Bis(2-ethylhexyl)phthalate
Concen: 7.58 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF103037.D
Acq: 16 Feb 2018 2:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.3	31.9
279	3.6	3.0	4.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF103037.D
Acq: 16 Feb 2018 2:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.1	17.5	26.3

