

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021618\
 Data File : BF103067.D
 Acq On : 16 Feb 2018 21:52
 Operator : SJ/JU
 Sample : J1559-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 16 23:20:28 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	165709	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	654542	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	251625	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	370842	20.00	ng	0.00
75) Chrysene-d12	14.05	240	272696	20.00	ng	0.00
86) Perylene-d12	15.54	264	218580	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	1175867	107.76	ng	0.02
7) Phenol-d6	6.52	99	1294146	98.50	ng	0.00
23) Nitrobenzene-d5	7.45	82	909580	96.40	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	251037	123.95	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1371737	90.46	ng	0.00
78) Terphenyl-d14	12.99	244	1047277	90.93	ng	0.00

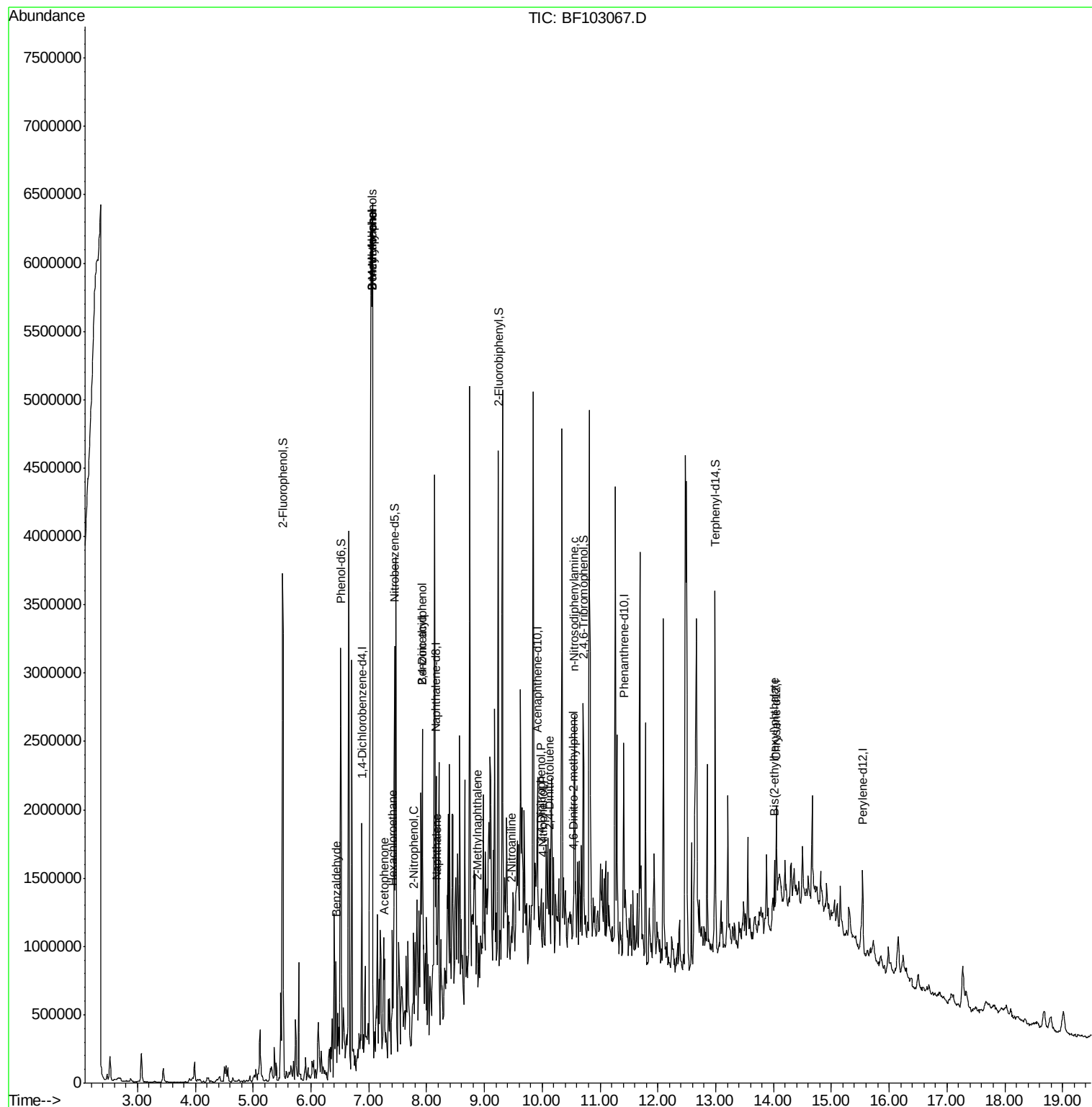
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	100095	10.26	ng	# 50
15) Benzyl Alcohol	7.06	79	2884769	285.59	ng	99
17) 2-Methylphenol	7.06	107	1627319	157.05	ng	# 19
18) Hexachloroethane	7.41	117	40257	9.06	ng	# 1
20) 3+4-Methylphenols	7.06	107	1614444	126.34	ng	# 1
22) Acetophenone	7.27	105	124042	7.74	ng	# 61
26) 2-Nitrophenol	7.77	139	3211	9.24	ng	# 1
27) 2,4-Dimethylphenol	7.93	122	101320	11.04	ng	# 59
31) Naphthalene	8.18	128	80921	2.53	ng	# 81
32) Benzoic acid	7.93	122	101320	22.77	ng	# 1
37) 2-Methylnaphthalene	8.87	142	93928	4.49	ng	96
47) 2-Nitroaniline	9.47	65	1848	3.81	ng	# 1
53) 2,4-Dinitrophenol	9.97	184	152	8.15	ng	# 1
55) 4-Nitrophenol	10.02	139	4552	5.17	ng	# 1
56) 2,4-Dinitrotoluene	10.12	165	2291	3.50	ng	# 63
64) 4,6-Dinitro-2-methylphenol	10.53	198	153	8.88	ng	# 1
65) n-Nitrosodiphenylamine	10.56	169	31035	2.37	ng	# 82
83) Bis(2-ethylhexyl)phthalate	14.02	149	111860	8.54	ng	98

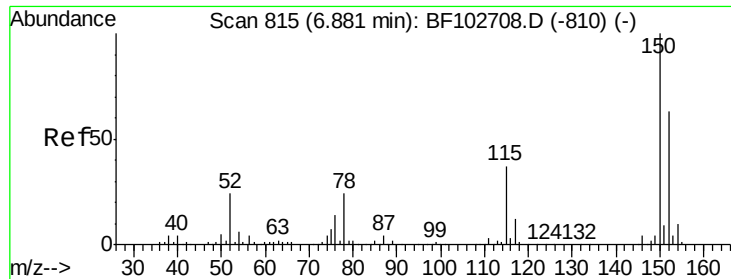
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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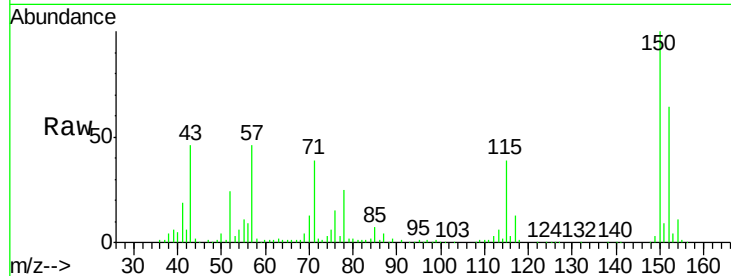


#1

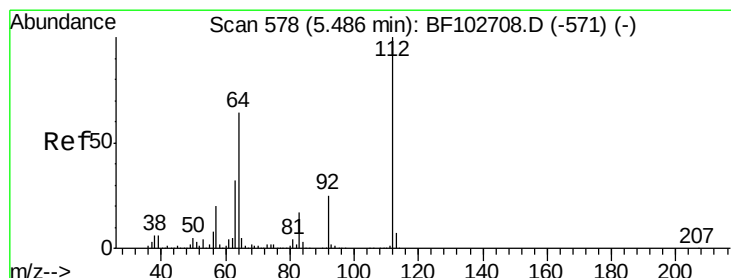
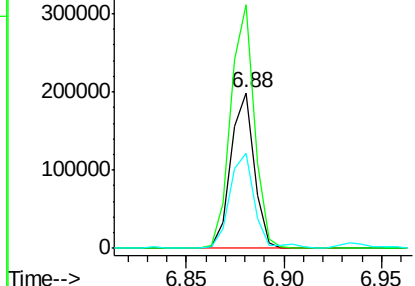
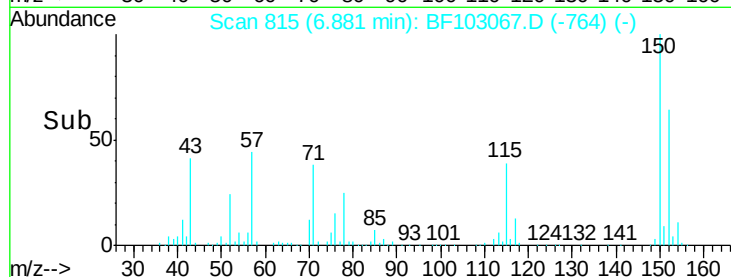
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF103067.D
Acq: 16 Feb 2018 21:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 165709
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 60.8 50.1 75.1



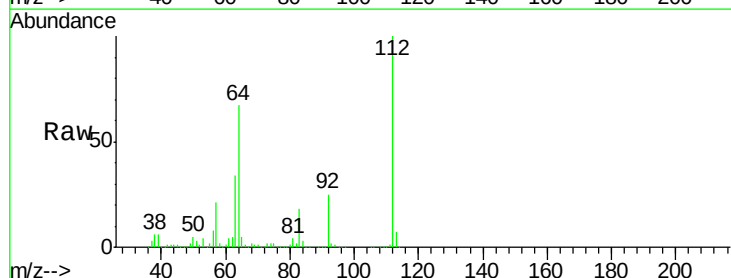
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



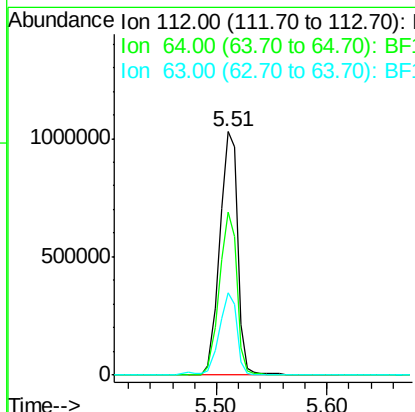
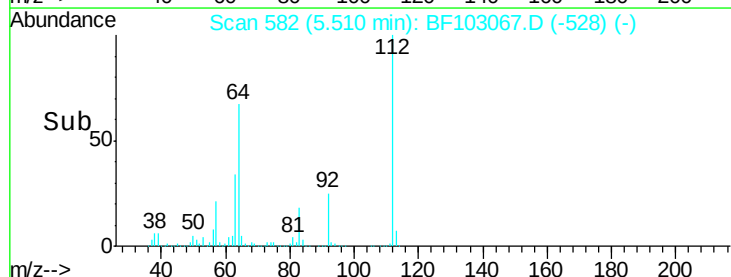
#5

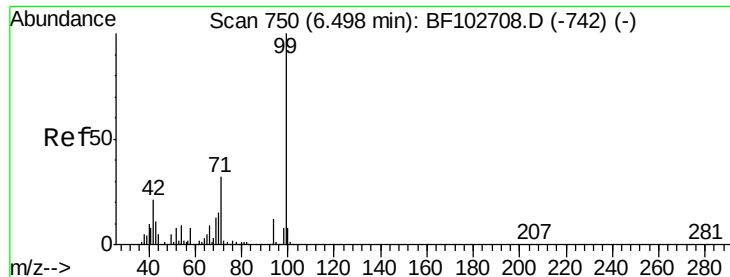
2-Fluorophenol
Concen: 107.76 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF103067.D
Acq: 16 Feb 2018 21:52

Tgt Ion:112 Resp: 1175867
Ion Ratio Lower Upper
112 100
64 67.0 47.9 71.9
63 33.6 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: 98.50 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103067.D

Acq: 16 Feb 2018 21:52

Instrument :

BNA_F

ClientSampled :

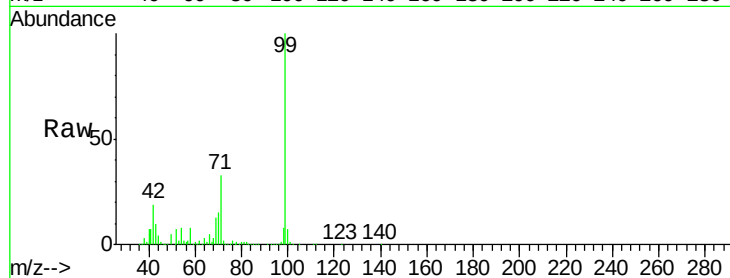
Tot Ion: 99 Resp: 1294146

Ion Ratio Lower Upper

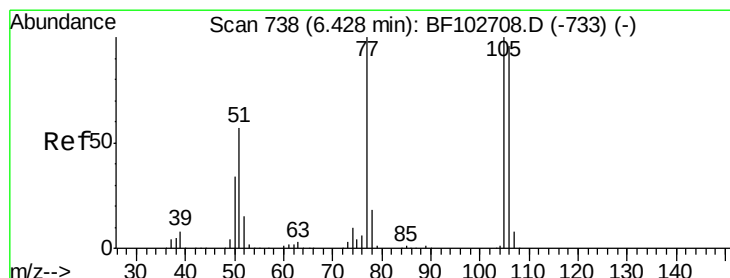
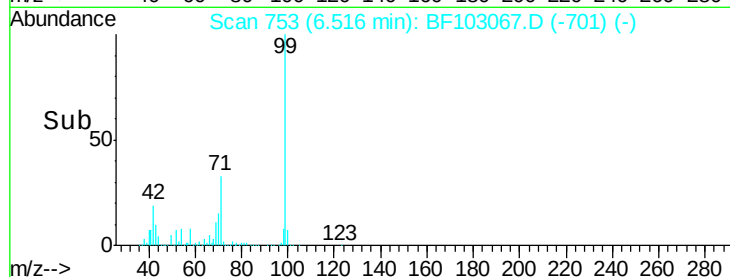
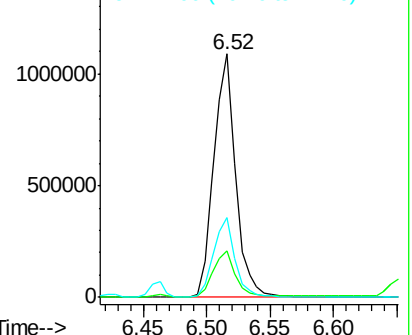
99 100

42 19.1 14.5 21.7

71 32.7 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: 10.26 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF103067.D

Acq: 16 Feb 2018 21:52

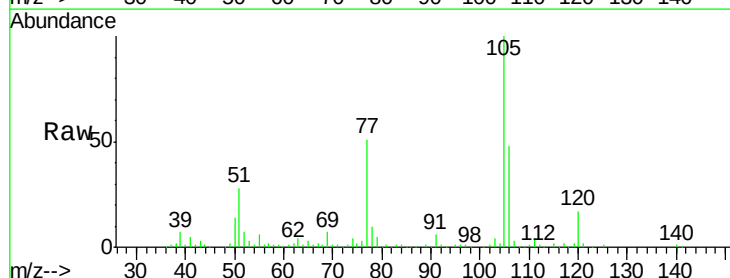
Tgt Ion: 77 Resp: 100095

Ion Ratio Lower Upper

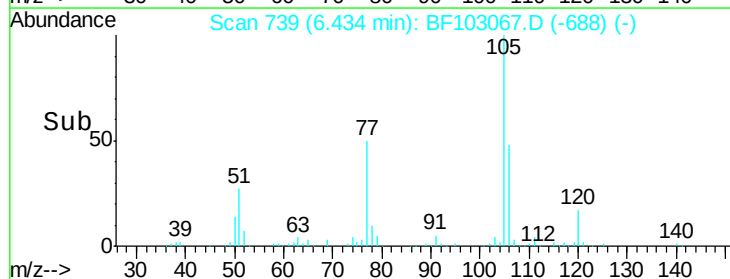
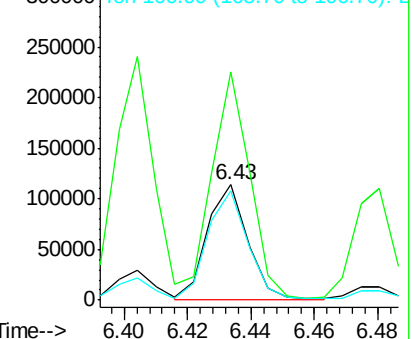
77 100

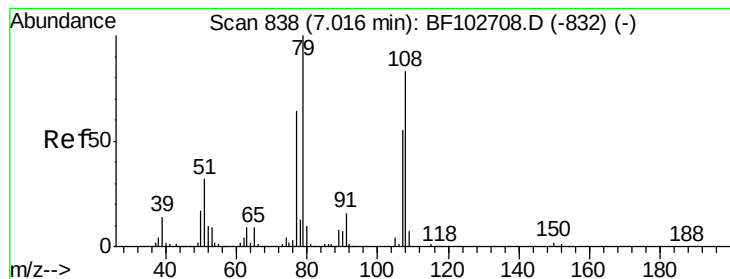
105 197.8 81.1 121.1#

106 95.1 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: 285.59 ng

RT: 7.06 min Scan# 846

Delta R.T. 0.04 min

Lab File: BF103067.D

Acq: 16 Feb 2018 21:52

Instrument :

BNA_F

ClientSampleId :

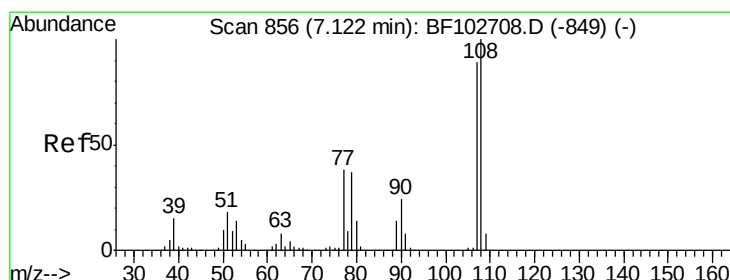
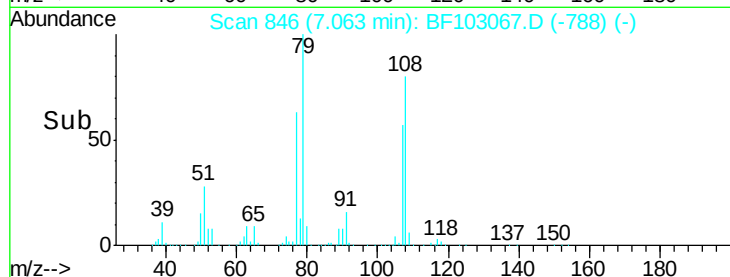
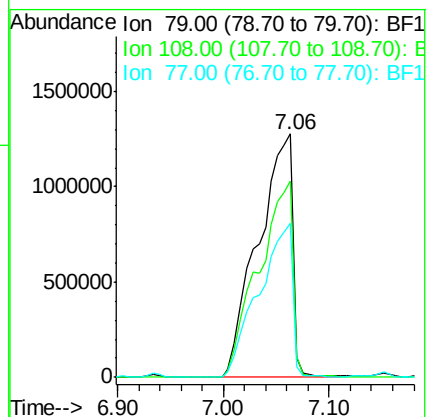
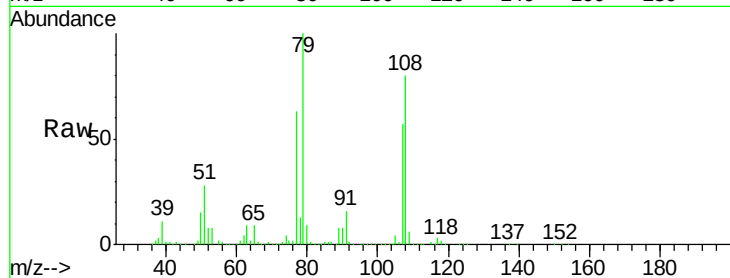
Tot Ion: 79 Resp: 2884769

Ion Ratio Lower Upper

79 100

108 80.4 65.1 97.7

77 63.1 50.6 75.8



#17

2-Methylphenol

Concen: 157.05 ng

RT: 7.06 min Scan# 846

Delta R.T. -0.07 min

Lab File: BF103067.D

Acq: 16 Feb 2018 21:52

Tgt Ion: 107 Resp: 1627319

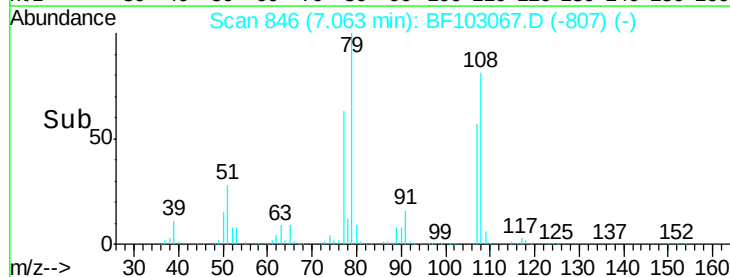
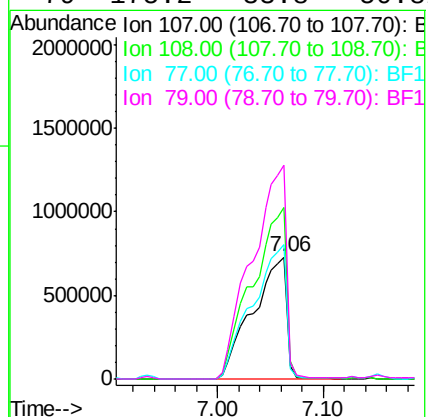
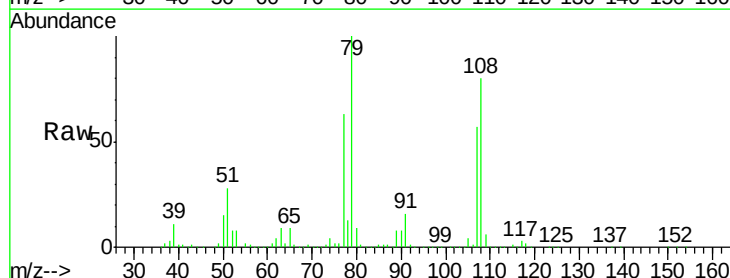
Ion Ratio Lower Upper

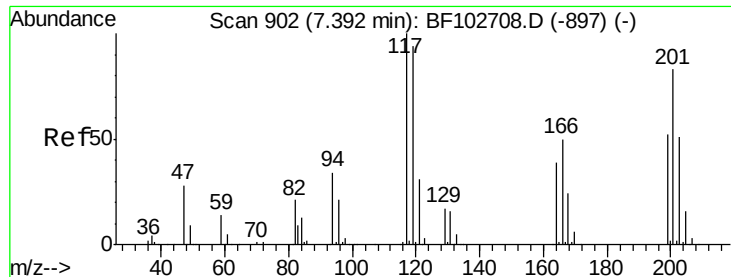
107 100

108 140.8 91.7 137.5#

77 110.6 33.8 50.8#

79 175.2 33.8 50.8#





#18

Hexachloroethane

Concen: 9.06 ng

RT: 7.41 min Scan# 905

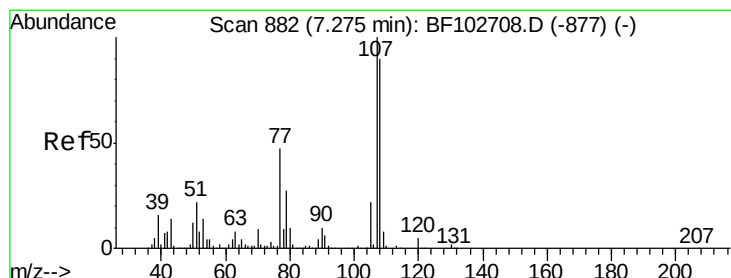
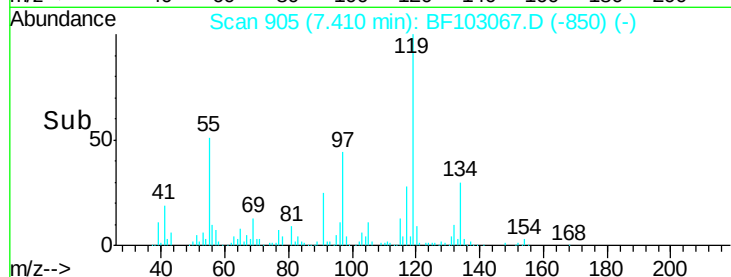
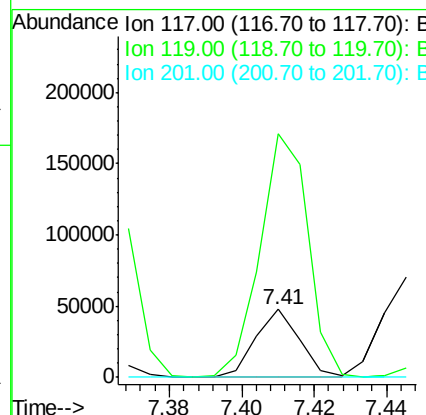
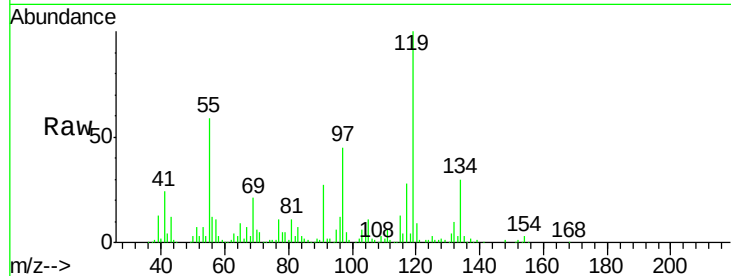
Delta R.T. 0.02 min

Lab File: BF103067.D

Acq: 16 Feb 2018 21:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:117 Resp: 40257
Ion Ratio Lower Upper
117 100
119 357.9 75.8 113.8#
201 0.0 75.7 113.5#



#20

3+4-Methylphenols

Concen: 126.34 ng

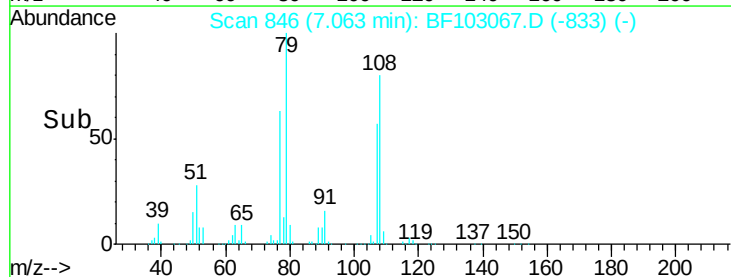
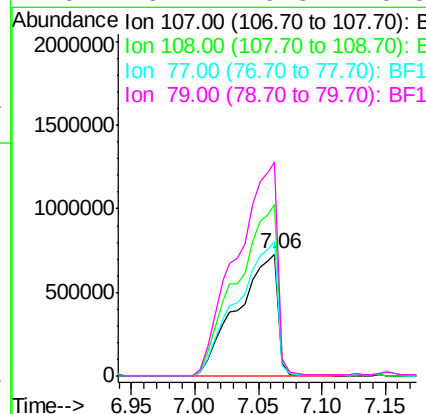
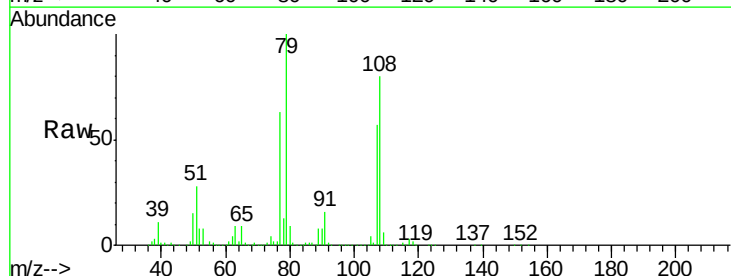
RT: 7.06 min Scan# 846

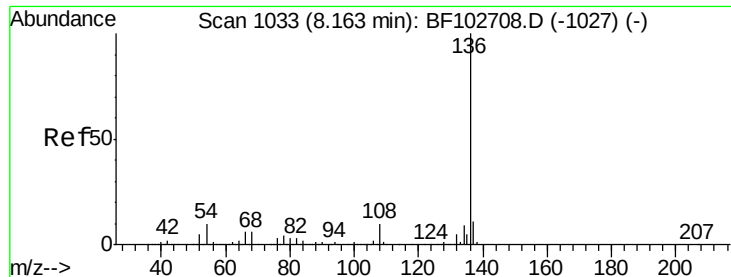
Delta R.T. -0.22 min

Lab File: BF103067.D

Acq: 16 Feb 2018 21:52

Tgt Ion:107 Resp: 1614444
Ion Ratio Lower Upper
107 100
108 140.8 68.2 108.2#
77 110.6 26.7 66.7#
79 175.2 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: BF103067.D

Acq: 16 Feb 2018 21:52

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 654542

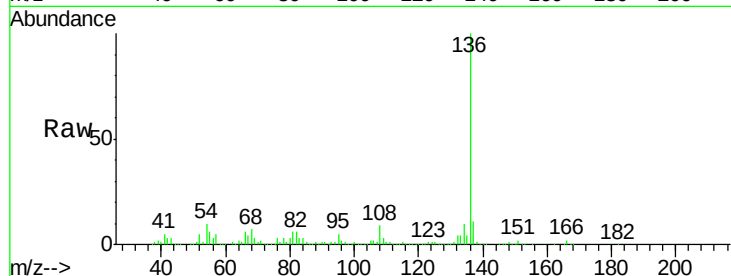
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 10.1 6.6 9.8#

68 7.1 5.0 7.4

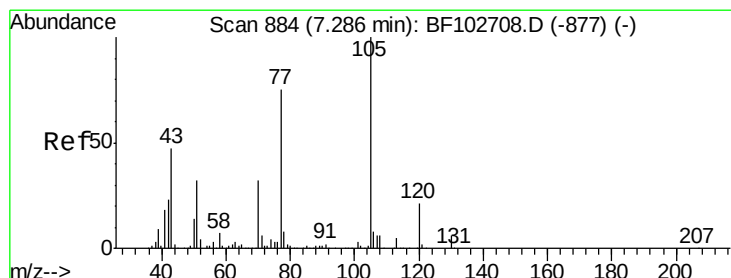
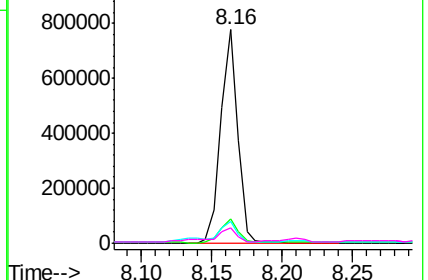
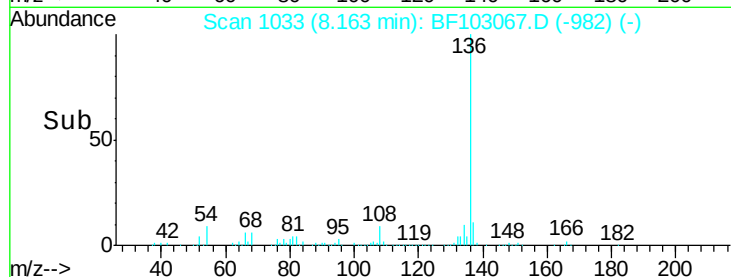


Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.74 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.02 min

Lab File: BF103067.D

Acq: 16 Feb 2018 21:52

Tgt Ion:105 Resp: 124042

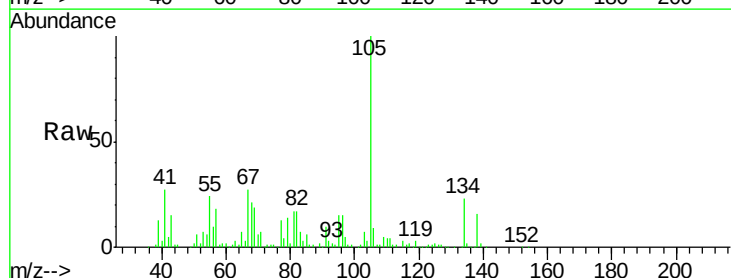
Ion Ratio Lower Upper

105 100

71 7.2 4.4 6.6#

51 5.8 22.3 33.5#

120 0.2 16.9 25.3#

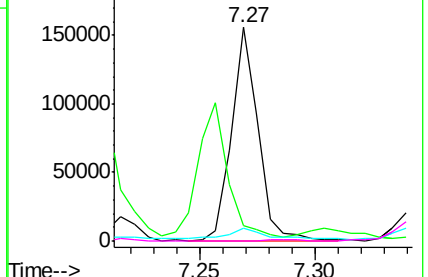
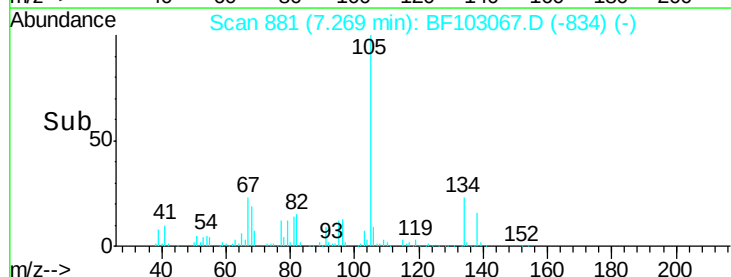


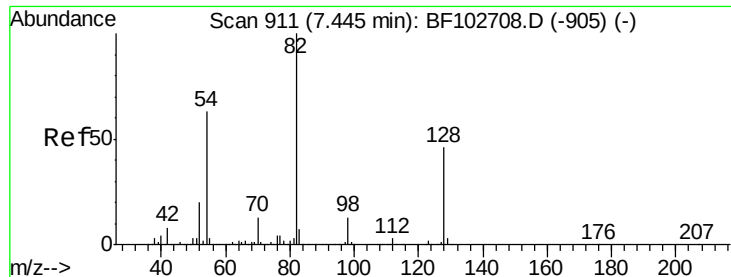
Abundance Ion 105.00 (104.70 to 105.70): E

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

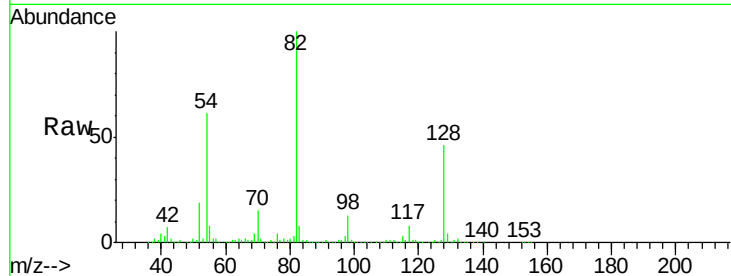




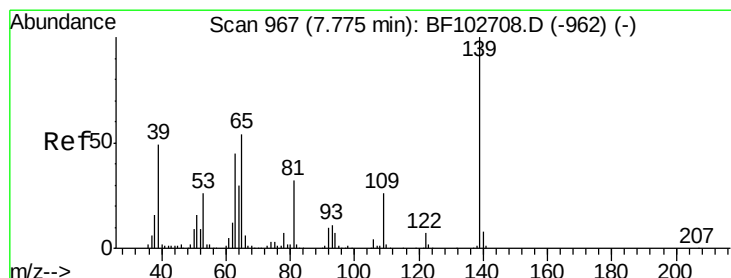
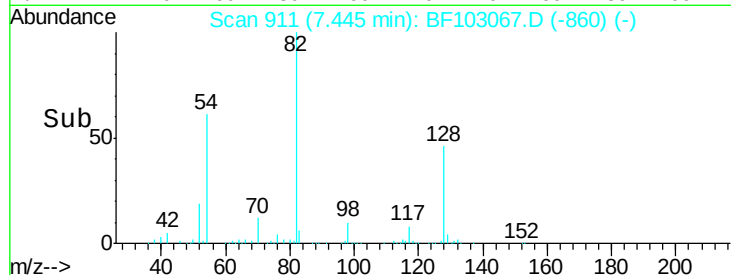
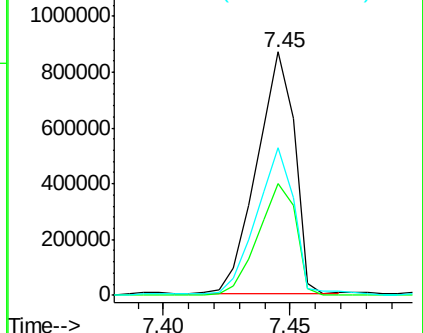
#23
Nitrobenzene-d5
Concen: 96.40 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.00 min
Lab File: BF103067.D
Acq: 16 Feb 2018 21:52

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	909580
Ion Ratio	100	Lower	Upper
128	46.0	36.1	54.1
54	60.7	41.4	62.2

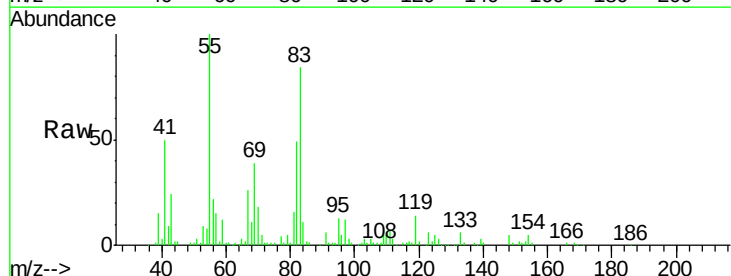


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

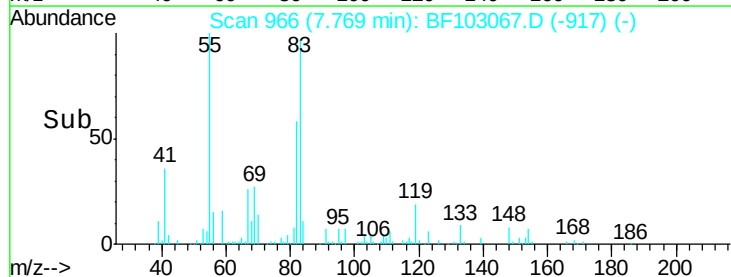
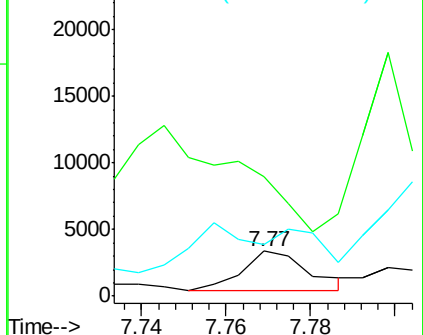


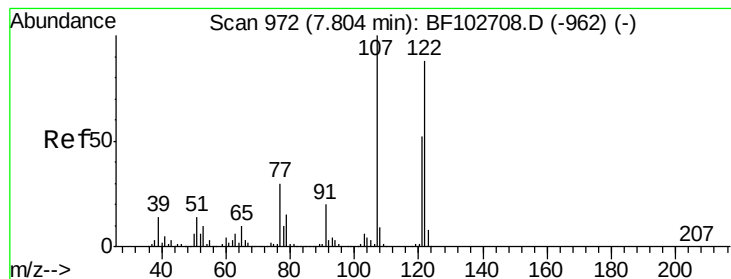
#26
2-Nitrophenol
Concen: 9.24 ng
RT: 7.77 min Scan# 966
Delta R.T. -0.01 min
Lab File: BF103067.D
Acq: 16 Feb 2018 21:52

Tgt Ion	139	Resp	3211
Ion Ratio	100	Lower	Upper
109	265.9	22.7	34.1#
65	113.6	40.5	60.7#



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 11.04 ng

RT: 7.93 min Scan# 993

Delta R.T. 0.12 min

Lab File: BF103067.D

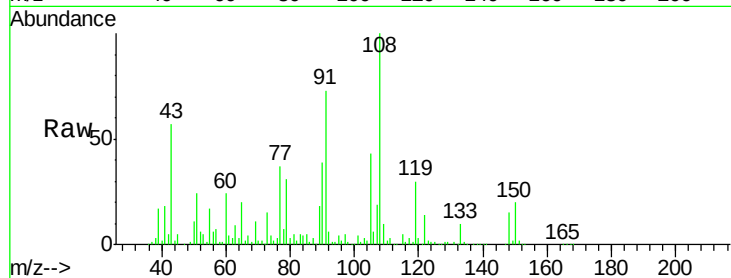
Acq: 16 Feb 2018 21:52

Instrument :

BNA_F

ClientSampleId :

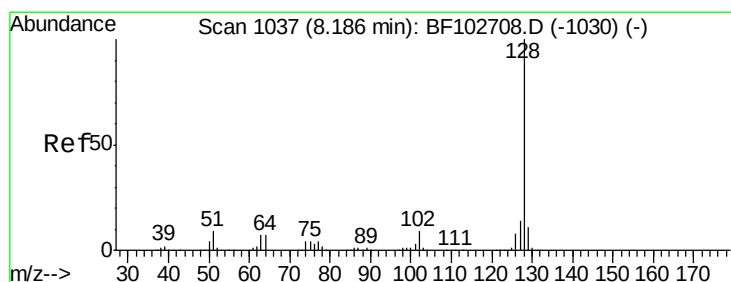
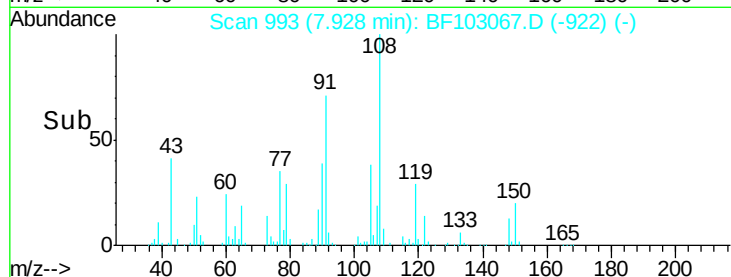
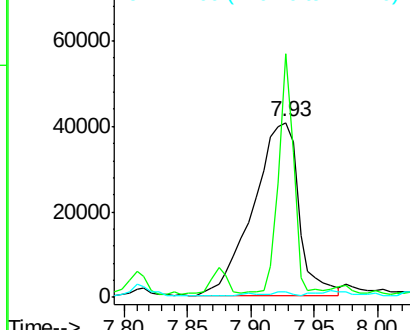
Tot Ion	Ratio	Lower	Upper
122	100		
107	139.4	91.2	136.8#
121	3.1	47.2	70.8#



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: 2.53 ng

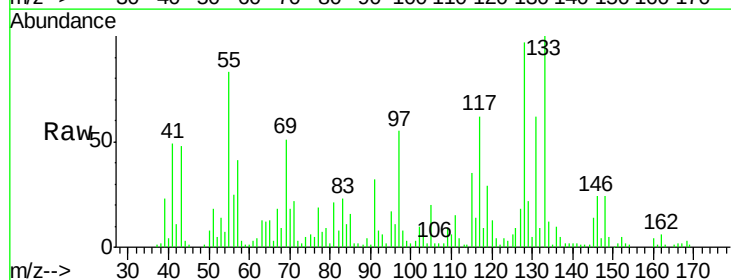
RT: 8.18 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF103067.D

Acq: 16 Feb 2018 21:52

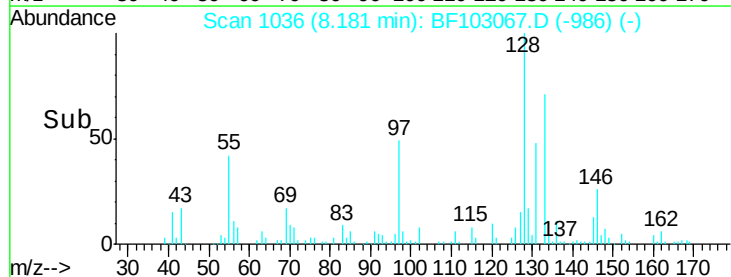
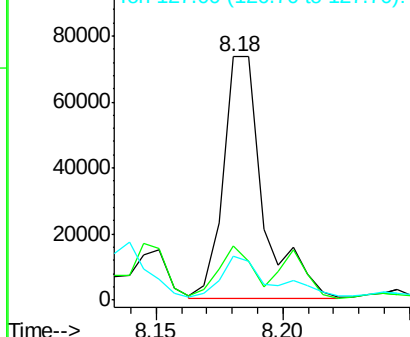
Tgt Ion	Ratio	Lower	Upper
128	100		
129	22.2	8.8	13.2#
127	18.0	10.9	16.3#

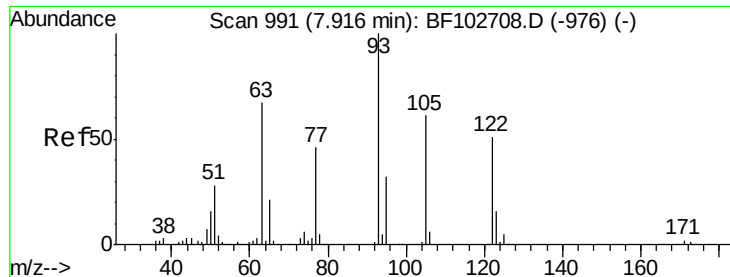


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

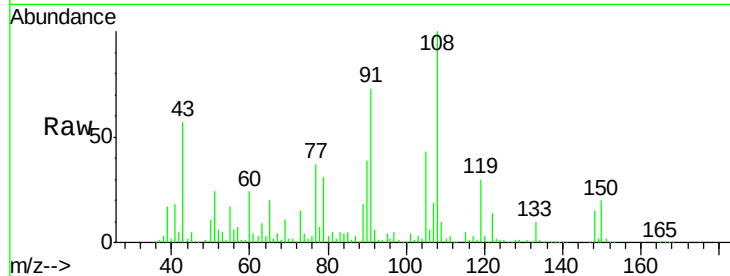




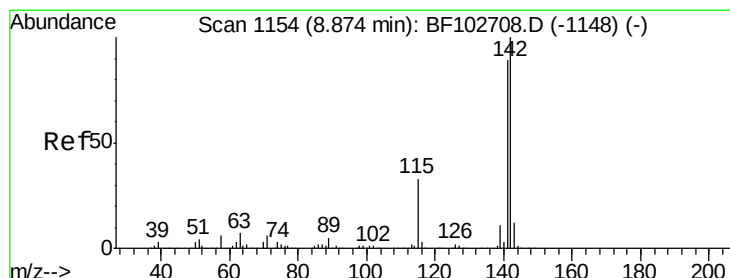
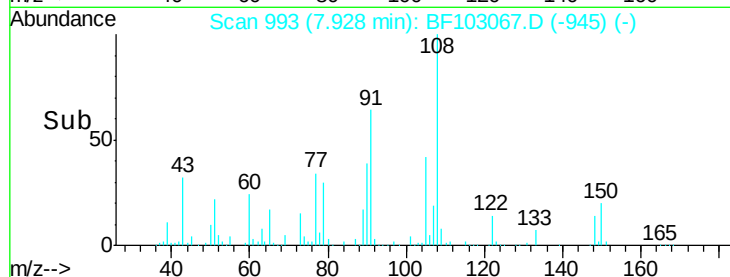
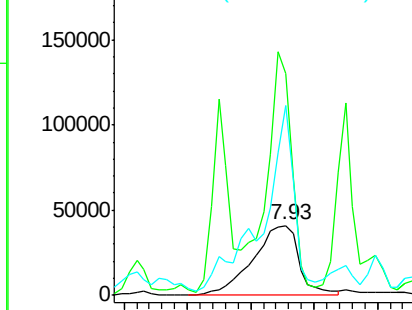
#32
Benzoic acid
Concen: 22.77 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.02 min
Lab File: BF103067.D
Acq: 16 Feb 2018 21:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	318.6	101.1	141.1#
77	271.6	70.7	110.7#

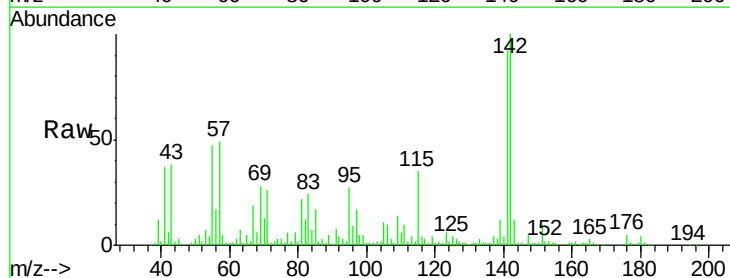


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

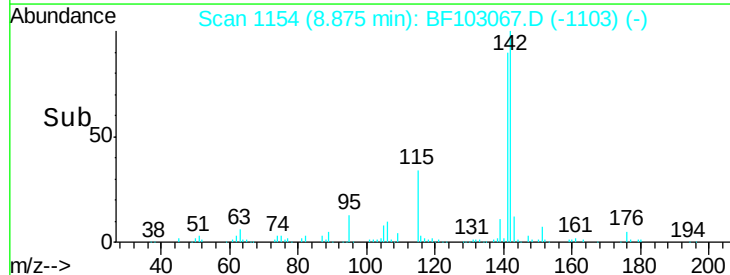
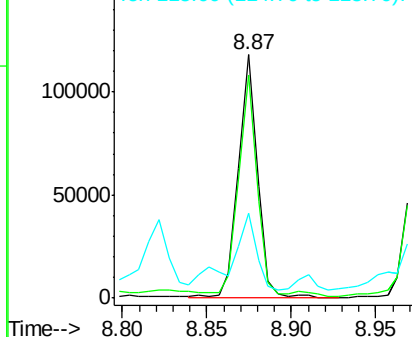


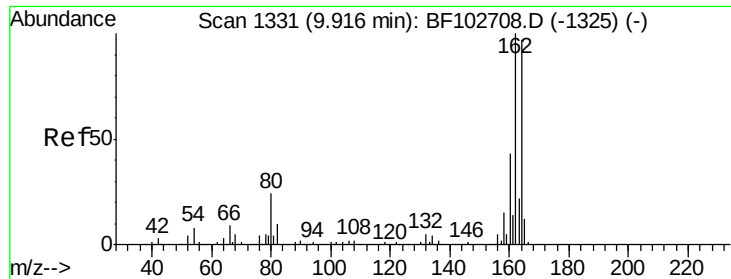
#37
2-Methylnaphthalene
Concen: 4.49 ng
RT: 8.87 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF103067.D
Acq: 16 Feb 2018 21:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	70.8	106.2
115	34.8	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: 20.00 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF103067.D

Acq: 16 Feb 2018 21:52

Instrument :

BNA_F

ClientSampleId :

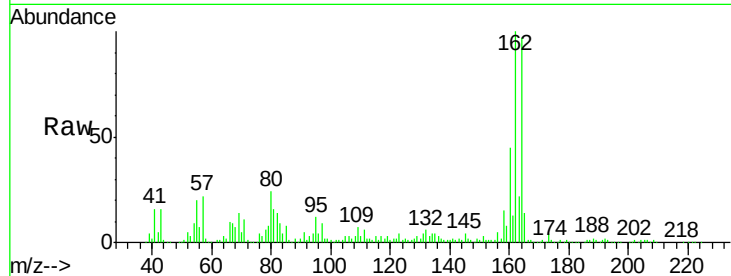
Tot Ion:164 Resp: 251625

Ion Ratio Lower Upper

164 100

162 103.1 86.1 129.1

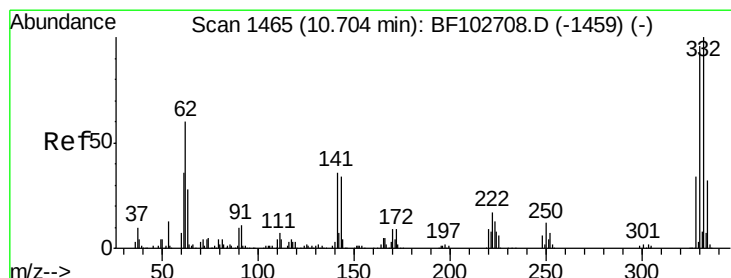
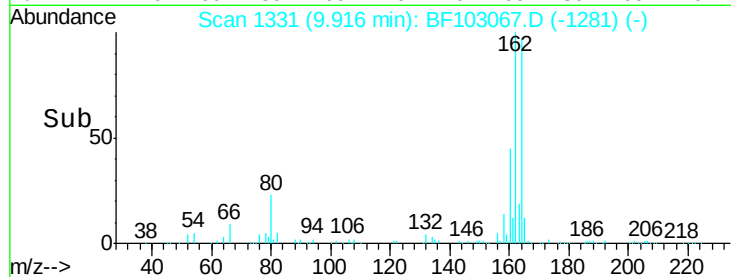
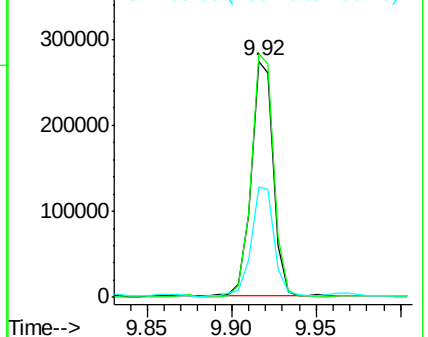
160 46.5 38.3 57.5



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: 123.95 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.00 min

Lab File: BF103067.D

Acq: 16 Feb 2018 21:52

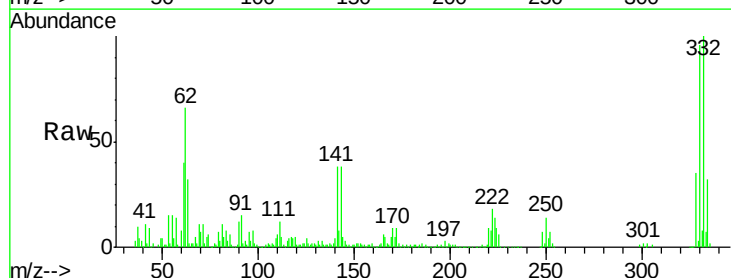
Tgt Ion:330 Resp: 251037

Ion Ratio Lower Upper

330 100

332 104.3 77.0 115.6

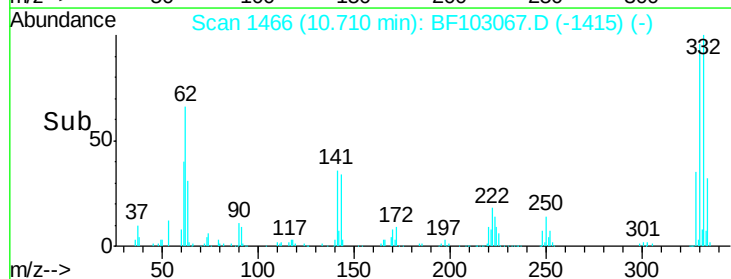
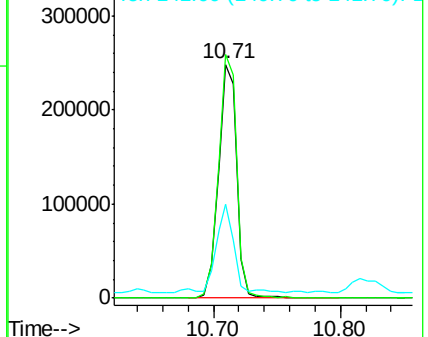
141 37.4 29.9 44.9

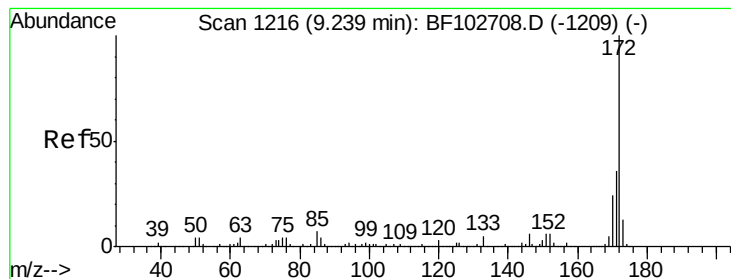


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 90.46 ng

RT: 9.24 min Scan# 1216

Delta R.T. 0.00 min

Lab File: BF103067.D

Acq: 16 Feb 2018 21:52

Instrument :

BNA_F

ClientSampleId :

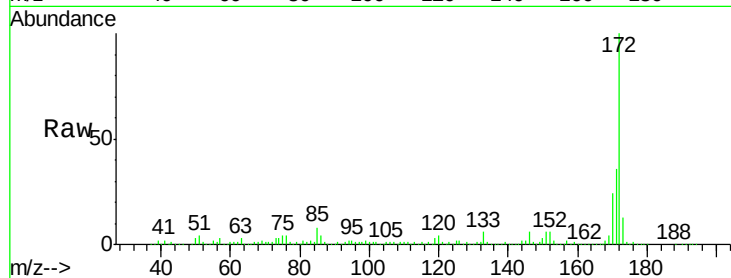
Tot Ion:172 Resp: 1371737

Ion Ratio Lower Upper

172 100

171 36.3 29.7 44.5

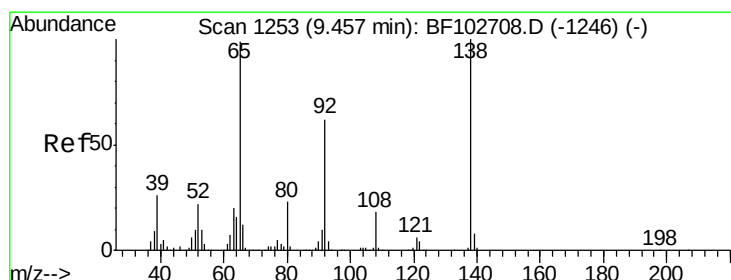
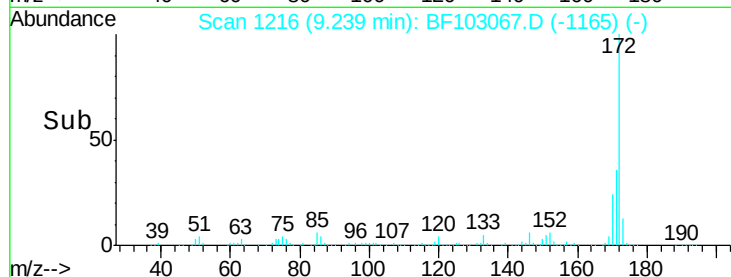
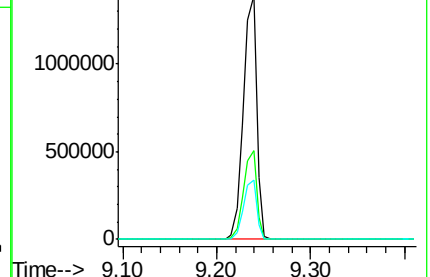
170 24.2 19.6 29.4



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: 3.81 ng

RT: 9.47 min Scan# 1255

Delta R.T. 0.01 min

Lab File: BF103067.D

Acq: 16 Feb 2018 21:52

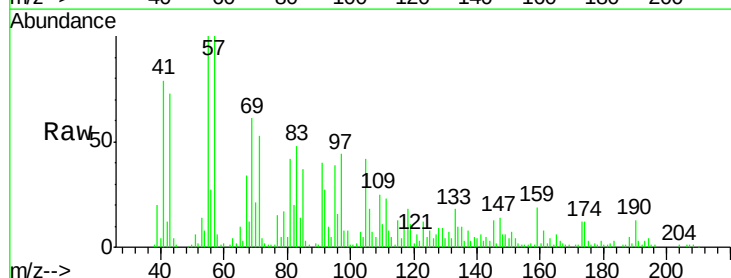
Tgt Ion: 65 Resp: 1848

Ion Ratio Lower Upper

65 100

92 262.9 55.8 83.6#

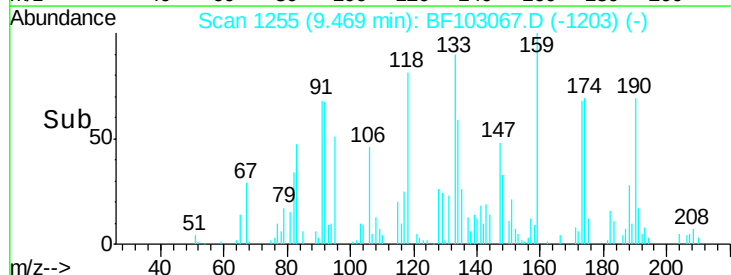
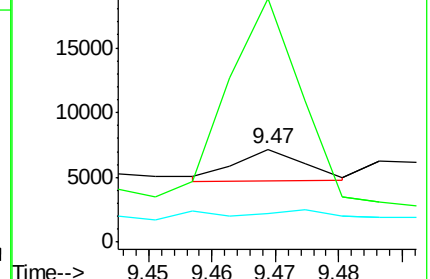
138 30.5 91.2 136.8#

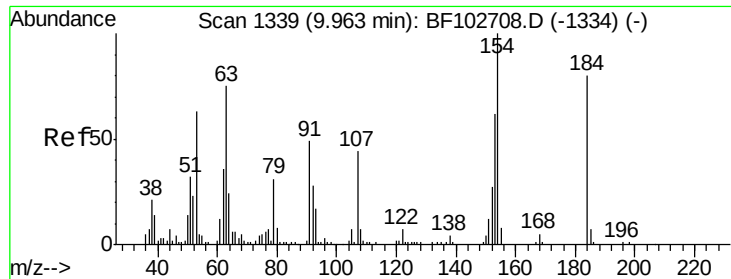


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E

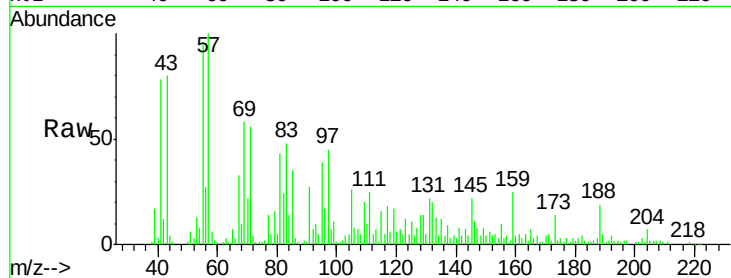




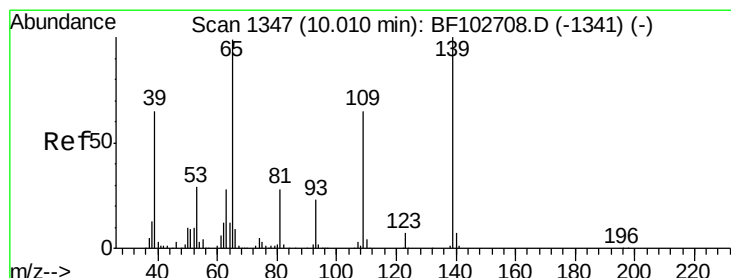
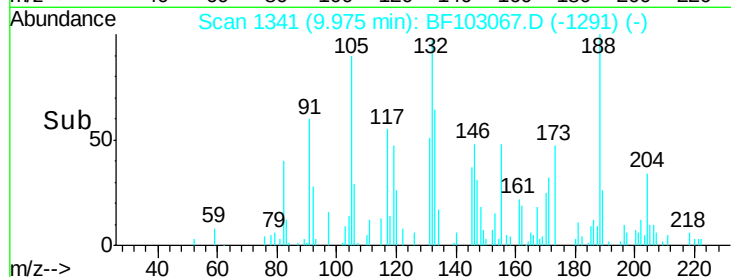
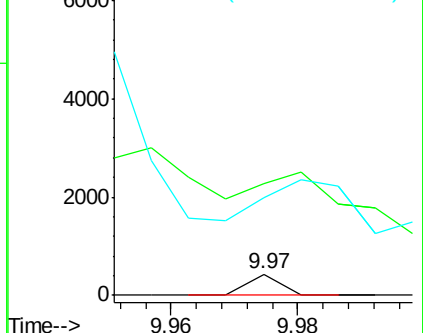
#53
2,4-Dinitrophenol
Concen: 8.15 na
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF103067.D
Acq: 16 Feb 2018 21:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:184 Resp: 152
Ion Ratio Lower Upper
184 100
63 525.5 54.2 81.2#
154 460.6 184.0 276.0#

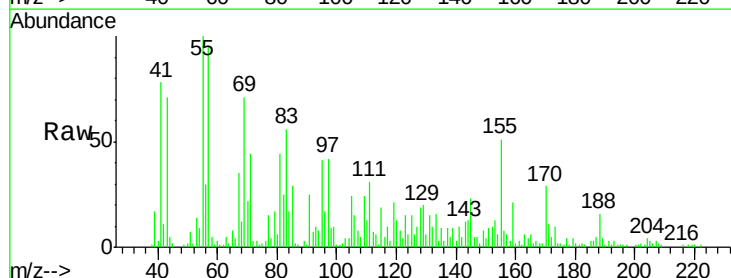


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

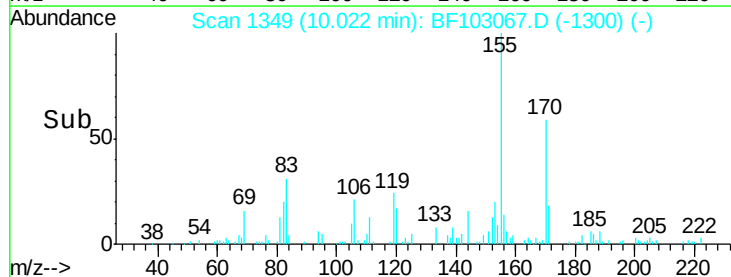
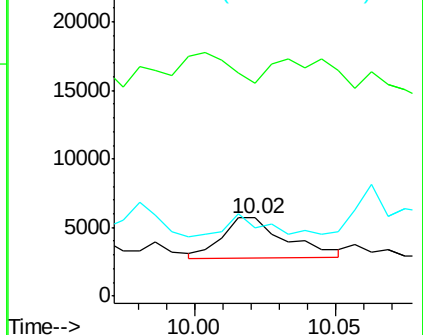


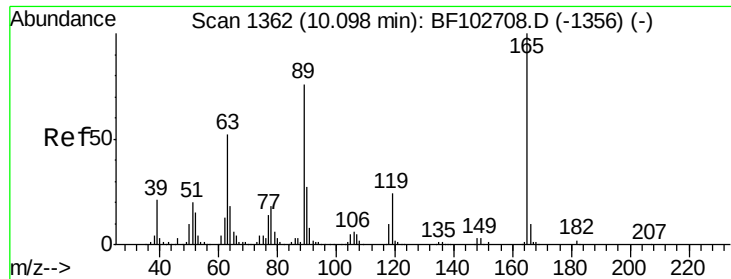
#55
4-Nitrophenol
Concen: 5.17 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.01 min
Lab File: BF103067.D
Acq: 16 Feb 2018 21:52

Tgt Ion:139 Resp: 4552
Ion Ratio Lower Upper
139 100
109 272.9 48.4 88.4#
65 88.3 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: 3.50 ng

RT: 10.12 min Scan# 1365

Delta R.T. 0.01 min

Lab File: BF103067.D

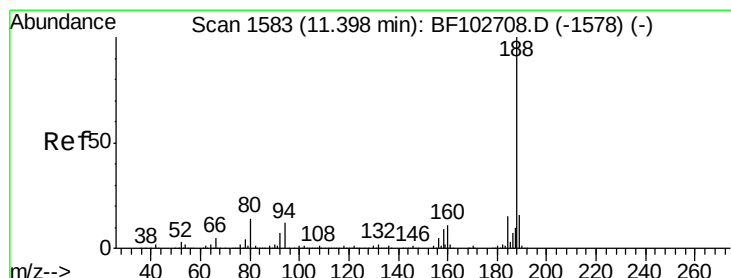
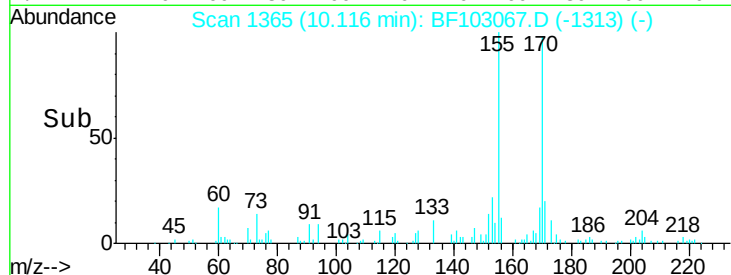
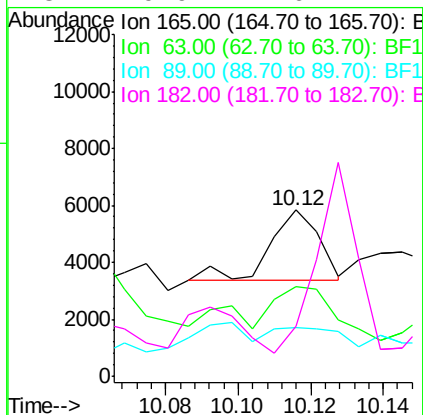
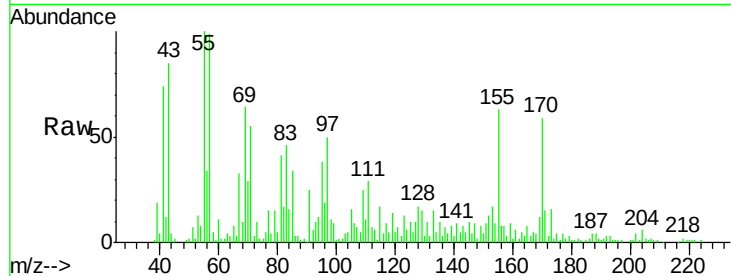
Acq: 16 Feb 2018 21:52

Instrument :

BNA_F

ClientSampled :

Tot Ion:165	Resp:	2291
Ion Ratio	Lower	Upper
165	100	
63	53.6	36.4 54.6
89	29.0	57.8 86.6#
182	29.9	1.6 2.4#



#63

Phenanthrene-d10

Concen: 20.00 ng

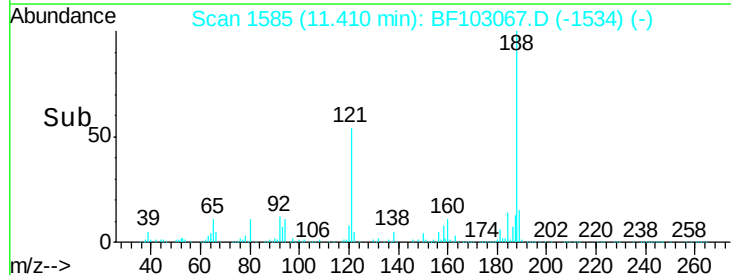
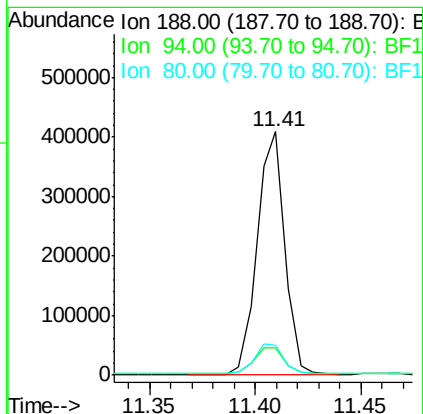
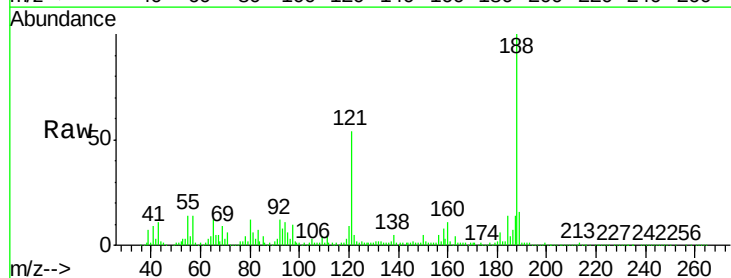
RT: 11.41 min Scan# 1585

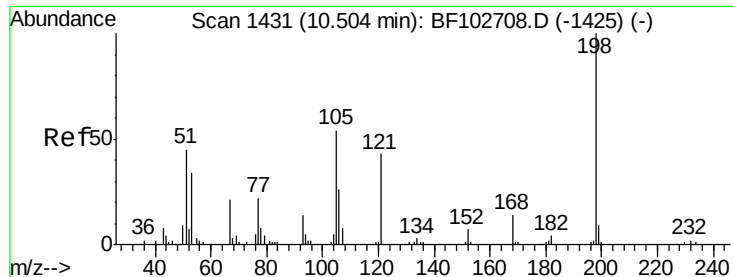
Delta R.T. 0.00 min

Lab File: BF103067.D

Acq: 16 Feb 2018 21:52

Tgt Ion:188	Resp:	370842
Ion Ratio	Lower	Upper
188	100	
94	11.2	8.5 12.7
80	12.1	9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 8.88 ng

RT: 10.53 min Scan# 1436

Delta R.T. 0.01 min

Lab File: BF103067.D

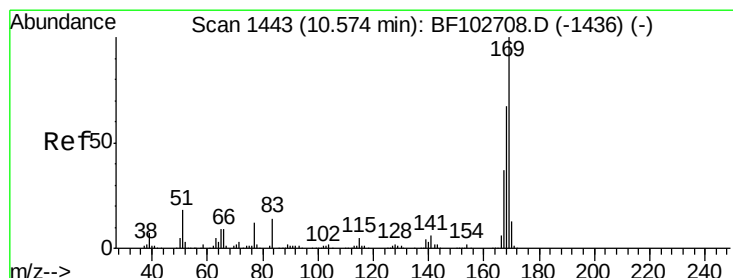
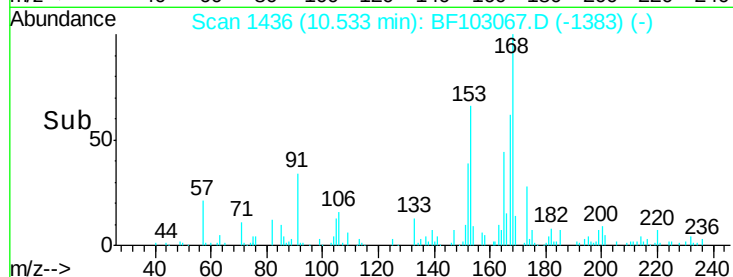
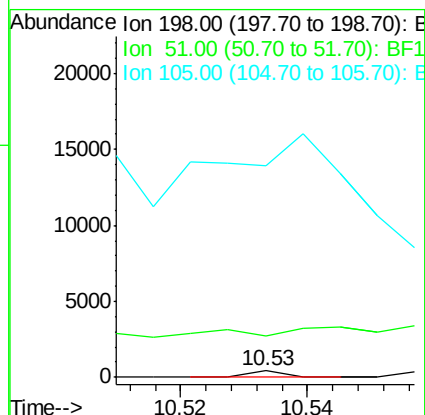
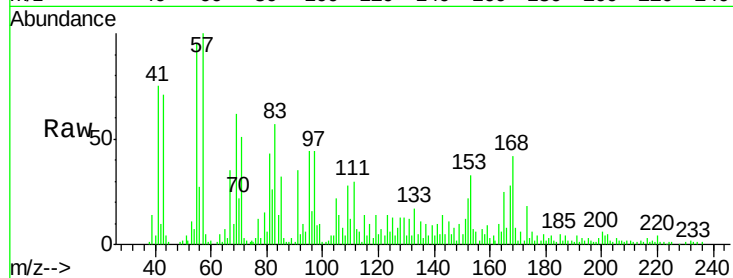
Acq: 16 Feb 2018 21:52

Instrument :

BNA_F

ClientSampled :

Tot Ion:198 Resp: 153
 Ion Ratio Lower Upper
 198 100
 51 629.8 37.7 77.7#
 105 3218.2 36.3 76.3#



#65

n-Nitrosodiphenylamine

Concen: 2.37 ng

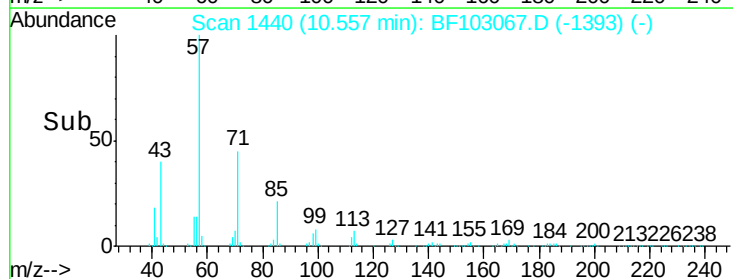
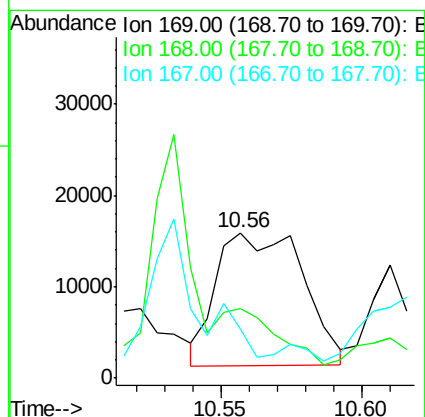
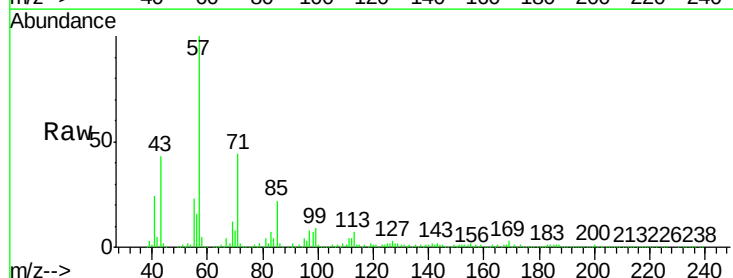
RT: 10.56 min Scan# 1440

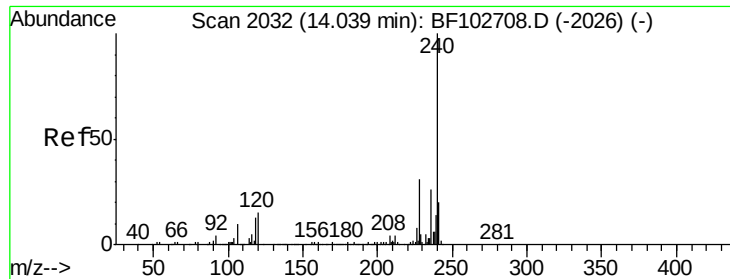
Delta R.T. -0.02 min

Lab File: BF103067.D

Acq: 16 Feb 2018 21:52

Tgt Ion:169 Resp: 31035
 Ion Ratio Lower Upper
 169 100
 168 48.0 54.4 81.6#
 167 33.8 29.8 44.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103067.D

Acq: 16 Feb 2018 21:52

Instrument :

BNA_F

ClientSampleId :

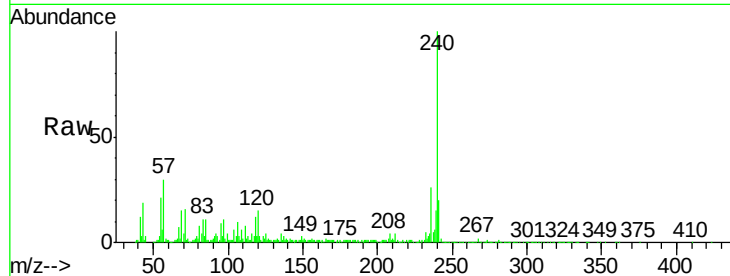
Tot Ion:240 Resp: 272696

Ion Ratio Lower Upper

240 100

120 14.6 9.5 14.3#

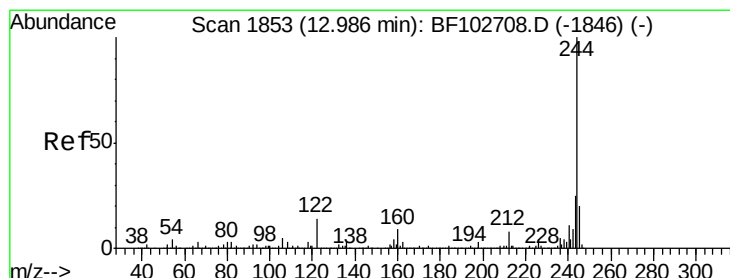
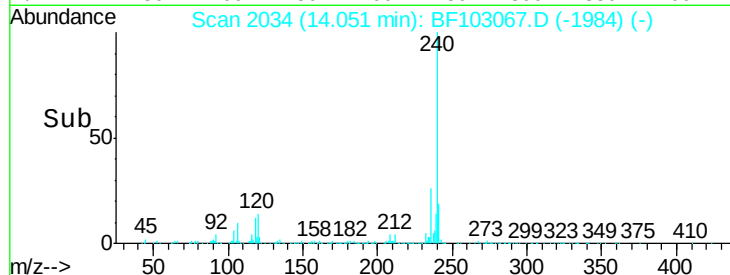
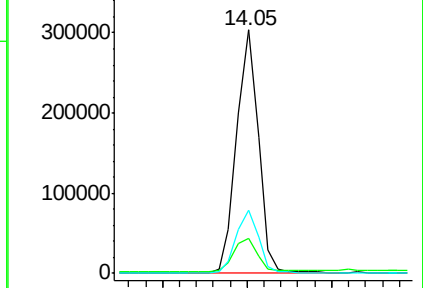
236 26.1 20.7 31.1



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: 90.93 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF103067.D

Acq: 16 Feb 2018 21:52

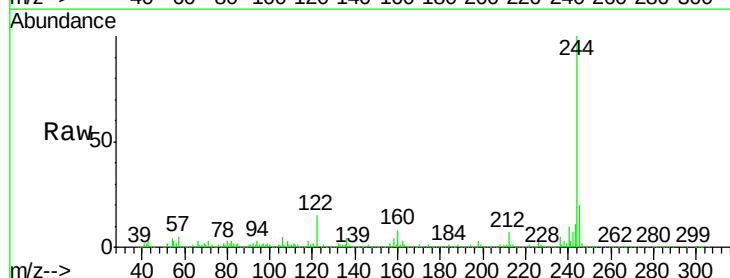
Tgt Ion:244 Resp: 1047277

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

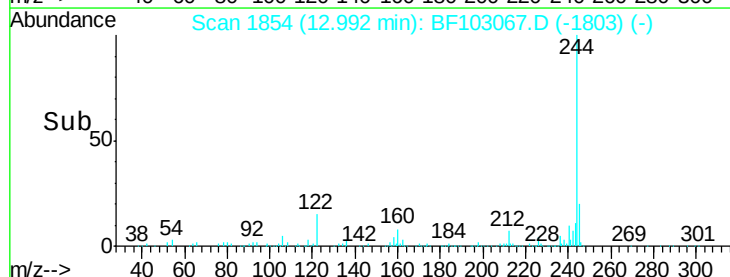
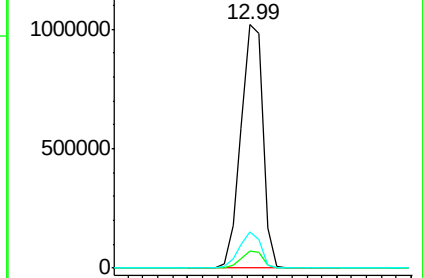
122 14.8 11.0 16.4

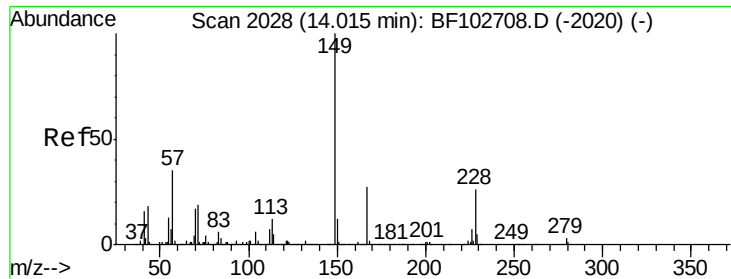


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

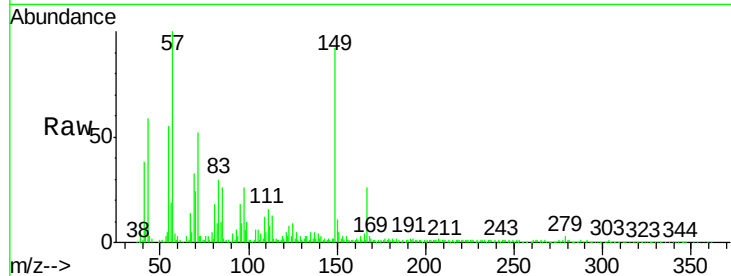




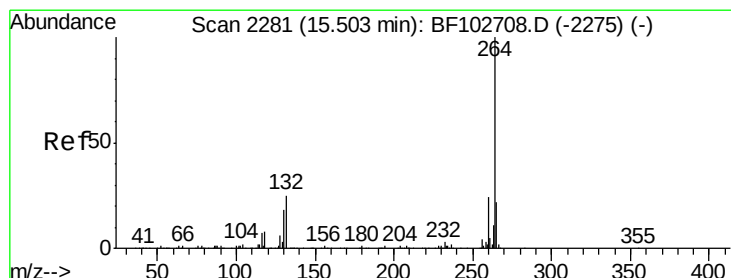
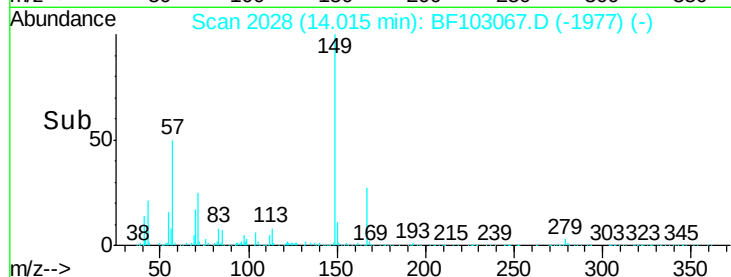
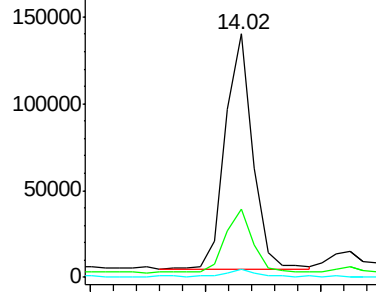
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 8.54 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BF103067.D
 Acq: 16 Feb 2018 21:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 111860
 Ion Ratio Lower Upper
 149 100
 167 27.8 21.3 31.9
 279 3.3 3.0 4.4

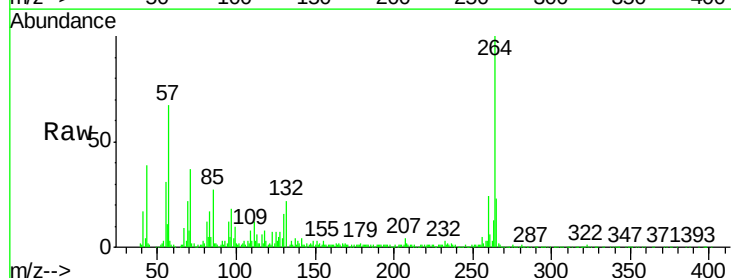


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.54 min Scan# 2288
 Delta R.T. 0.00 min
 Lab File: BF103067.D
 Acq: 16 Feb 2018 21:52

Tgt Ion:264 Resp: 218580
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 22.7 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

