

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102741.D
 Acq On : 5 Feb 2018 16:44
 Operator : SJ/JU
 Sample : J1399-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 06 00:39:47 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	209010	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	850361	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	370732	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	564144	20.00	ng	0.00
75) Chrysene-d12	14.04	240	364082	20.00	ng	0.00
86) Perylene-d12	15.52	264	346813	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	1364088	99.11	ng	0.02
7) Phenol-d6	6.51	99	1457173	87.93	ng	0.00
23) Nitrobenzene-d5	7.45	82	1110343	90.58	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	358944	120.29	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1849390	82.78	ng	0.00
78) Terphenyl-d14	12.99	244	1379837	89.74	ng	0.00

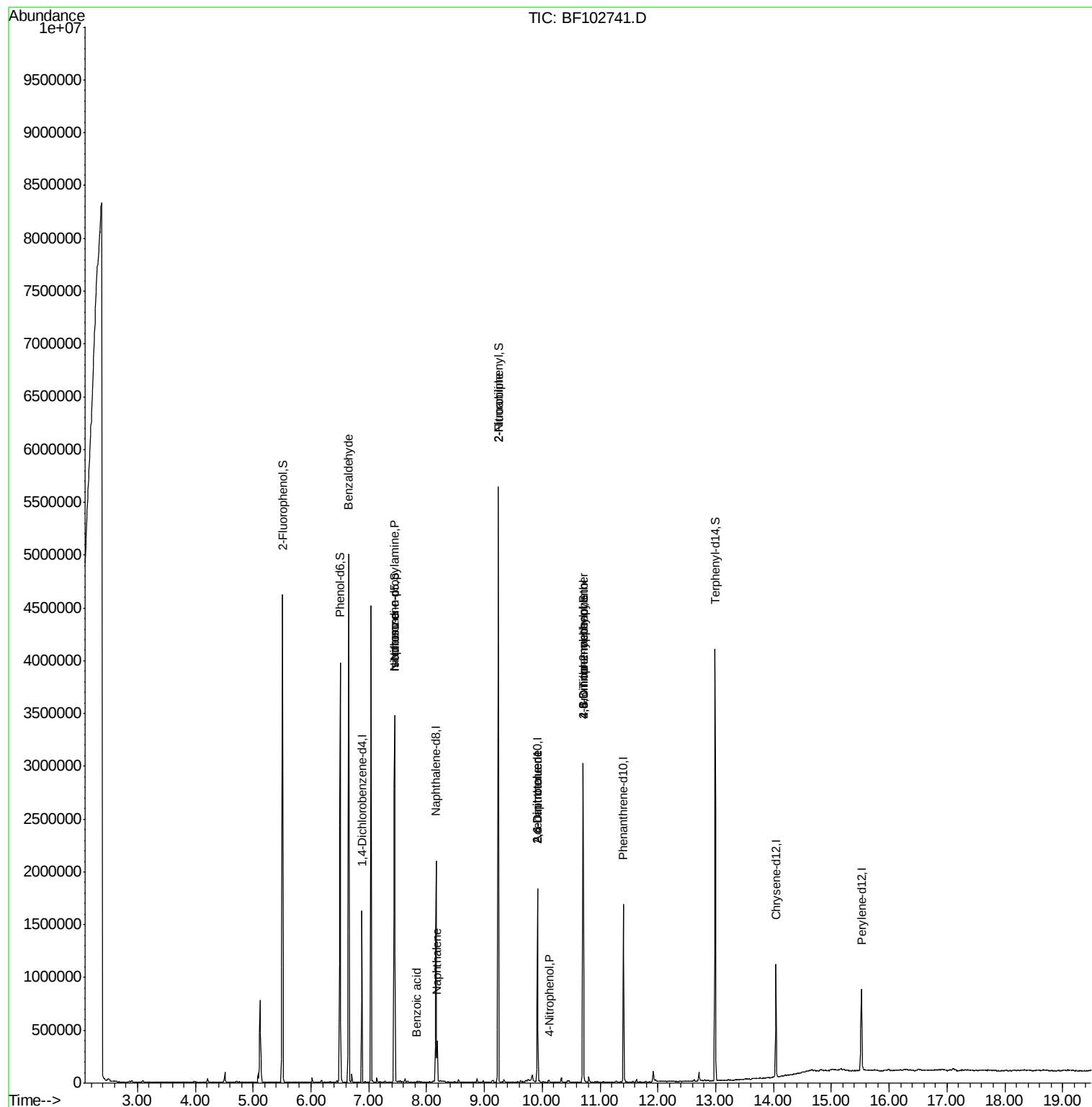
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.65	77	30671	2.492	ng	86
19) n-Nitroso-di-n-propylamine	7.45	70	146531	13.411	ng	# 82
25) Isophorone	7.45	82	1110322	39.336	ng	# 64
31) Naphthalene	8.19	128	173830	4.184	ng	97
32) Benzoic acid	7.84	122	1934	8.765	ng	# 79
47) 2-Nitroaniline	9.24	65	3845	3.942	ng	# 14
50) 2,6-Dinitrotoluene	9.92	165	48045	8.736	ng	# 25
55) 4-Nitrophenol	10.12	139	1854	4.341	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	48045	9.172	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	719	9.076	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	23027	3.859	ng	# 1

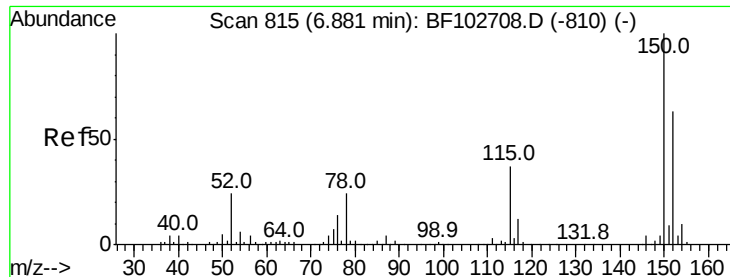
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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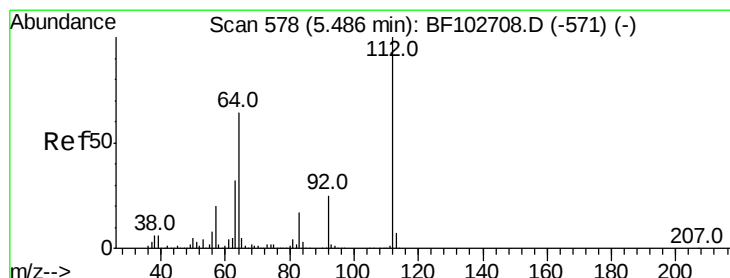
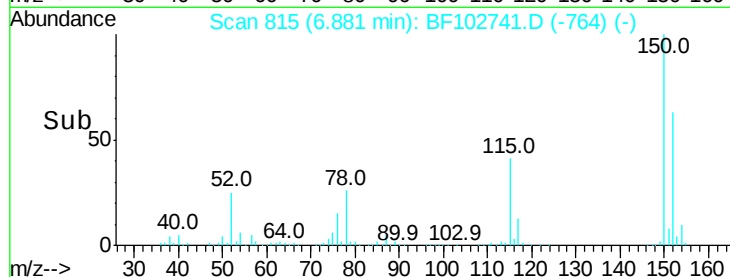
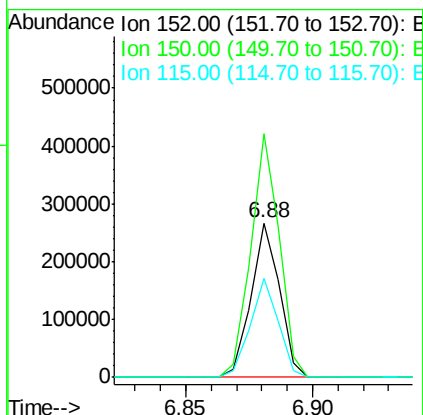
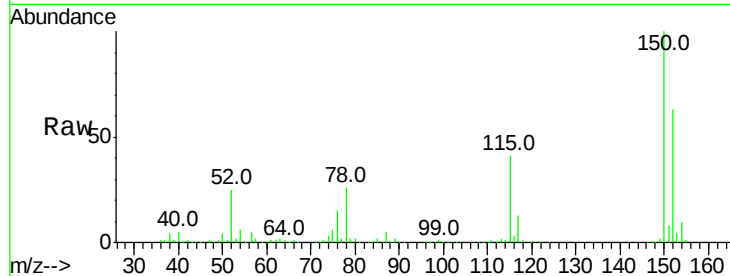


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102741.D
Acq: 5 Feb 2018 16:44

Instrument :
BNA_F
ClientSampleId :

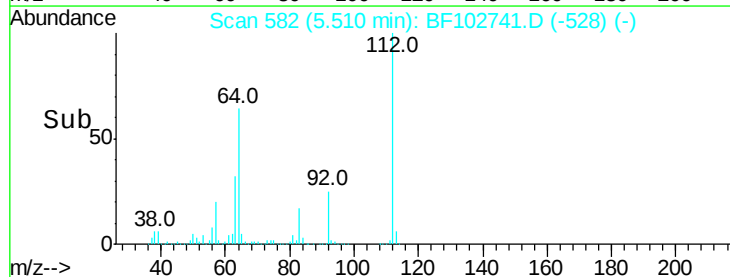
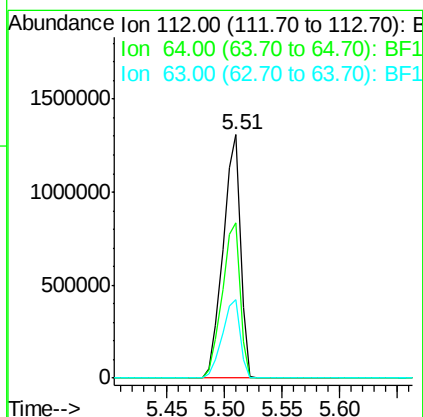
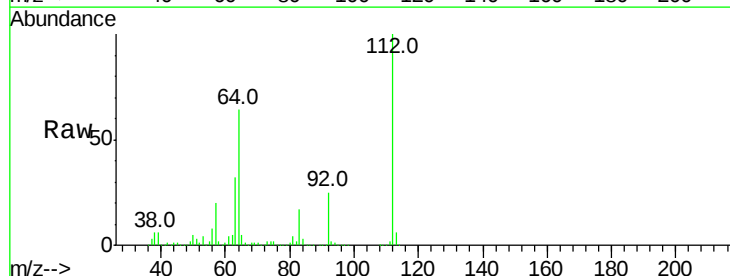
Tot Ion:152 Resp: 209010
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 64.0 50.1 75.1

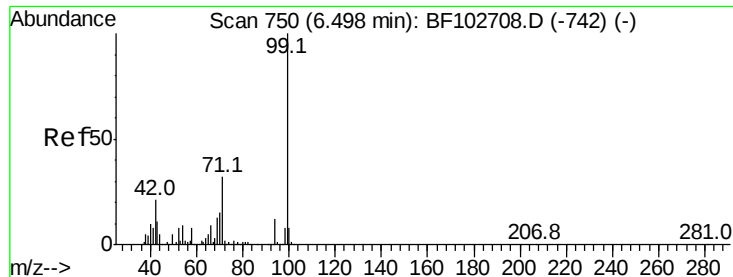


#5

2-Fluorophenol
Concen: 99.115 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF102741.D
Acq: 5 Feb 2018 16:44

Tgt Ion:112 Resp: 1364088
Ion Ratio Lower Upper
112 100
64 63.7 47.9 71.9
63 32.2 23.7 35.5





#7

Phenol-d6

Concen: 87.934 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102741.D

Acq: 5 Feb 2018 16:44

Instrument :

BNA_F

ClientSampleId :

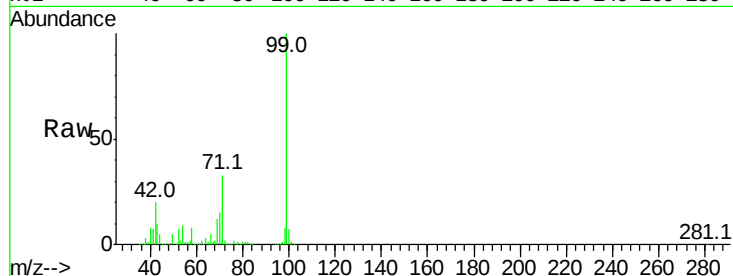
Tot Ion: 99 Resp: 1457173

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

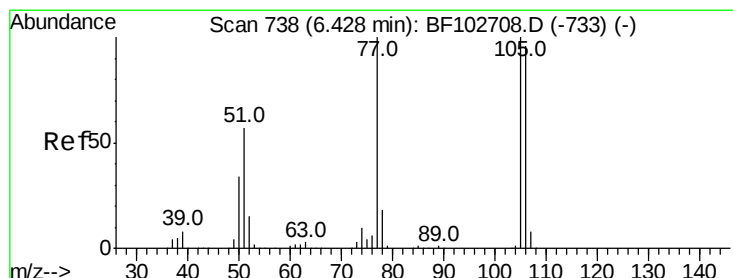
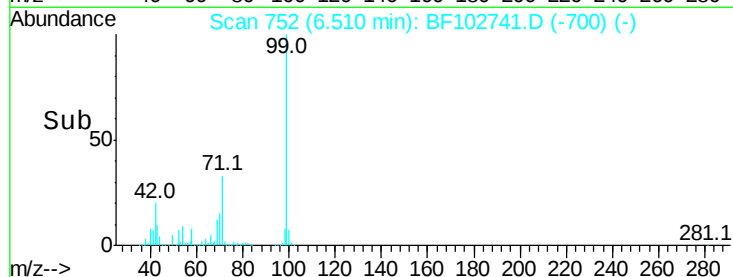
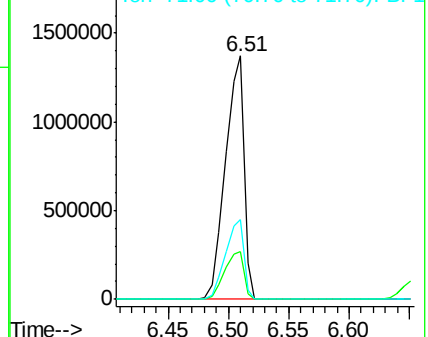
71 32.5 25.4 38.0



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: 2.492 ng

RT: 6.65 min Scan# 776

Delta R.T. 0.22 min

Lab File: BF102741.D

Acq: 5 Feb 2018 16:44

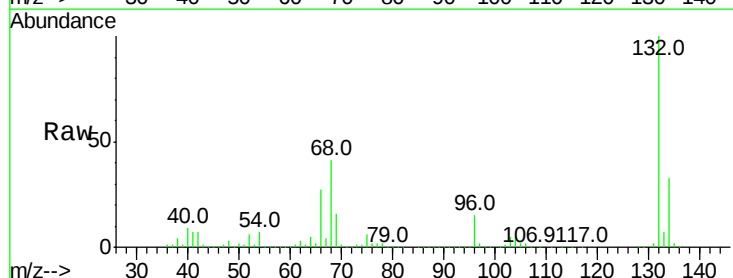
Tgt Ion: 77 Resp: 30671

Ion Ratio Lower Upper

77 100

105 86.6 81.1 121.1

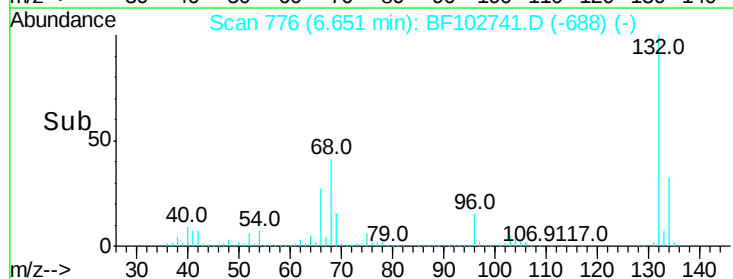
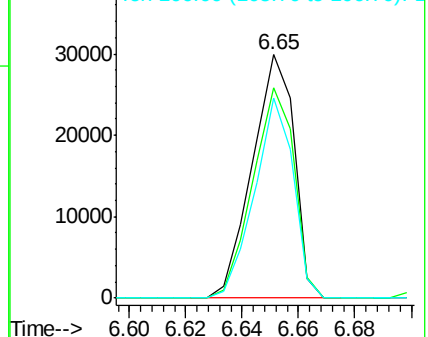
106 82.3 74.5 114.5

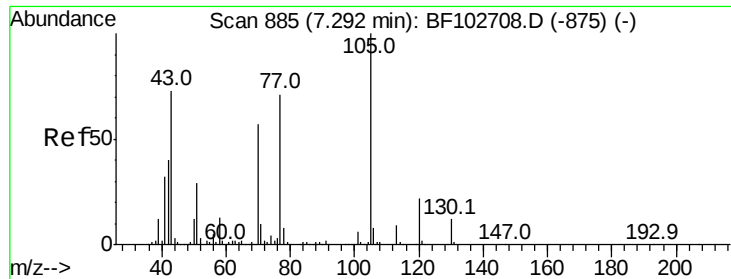


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 13.411 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102741.D

Acq: 5 Feb 2018 16:44

Instrument :

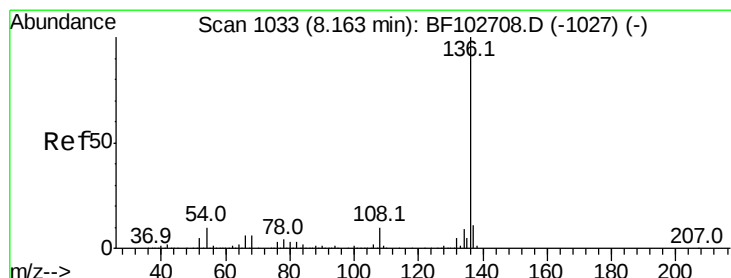
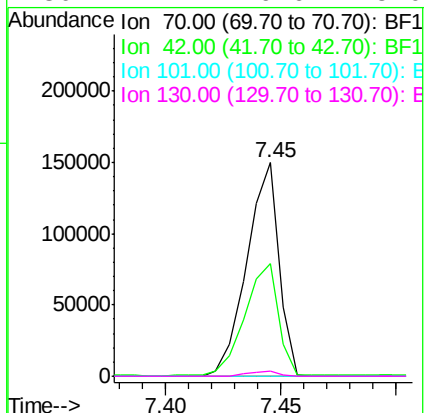
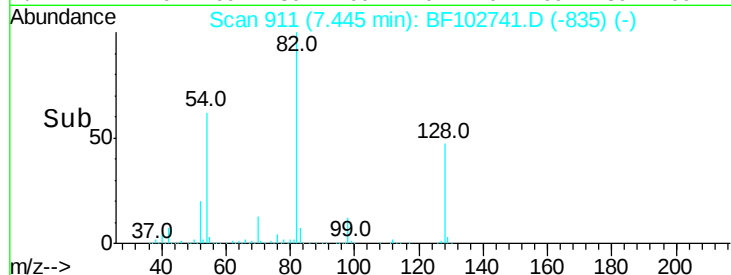
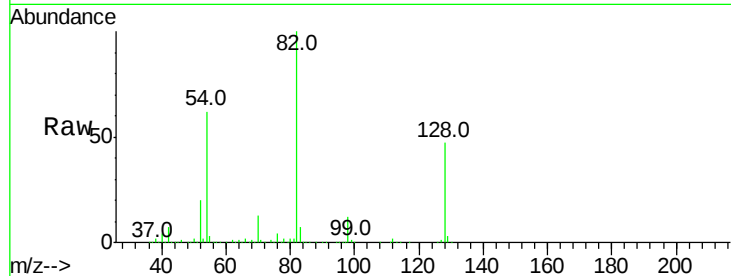
BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 146531

Ion Ratio Lower Upper

70	100		
42	52.6	47.5	71.3
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

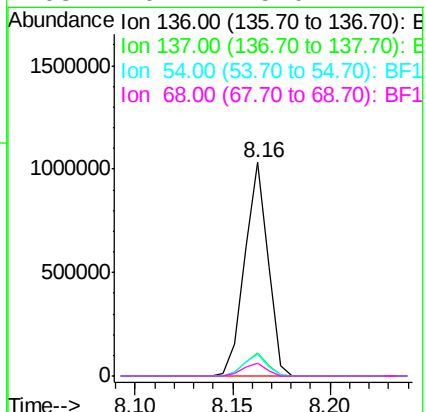
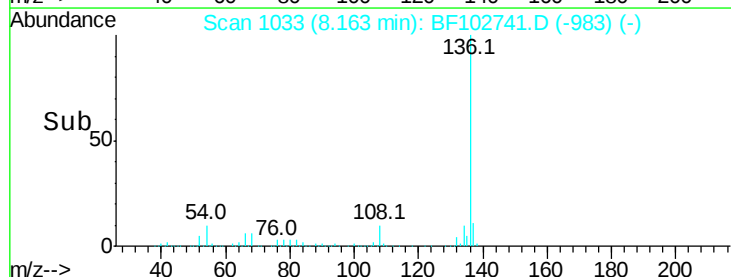
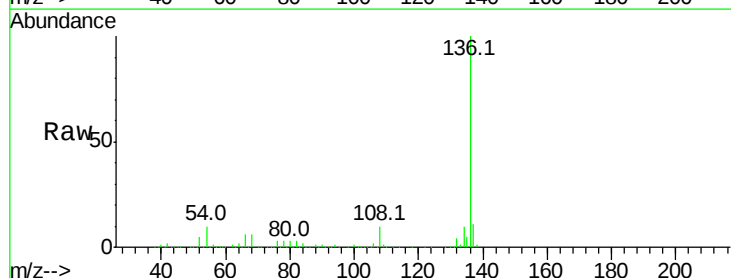
Lab File: BF102741.D

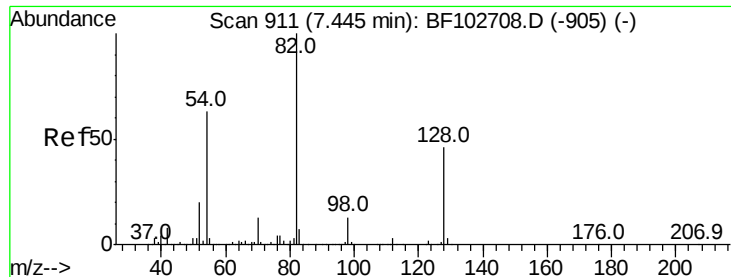
Acq: 5 Feb 2018 16:44

Tgt Ion: 136 Resp: 850361

Ion Ratio Lower Upper

136	100		
137	11.0	8.9	13.3
54	10.0	6.6	9.8#
68	6.2	5.0	7.4





#23

Nitrobenzene-d5

Concen: 90.579 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF102741.D

Acq: 5 Feb 2018 16:44

Instrument :

BNA_F

ClientSampleId :

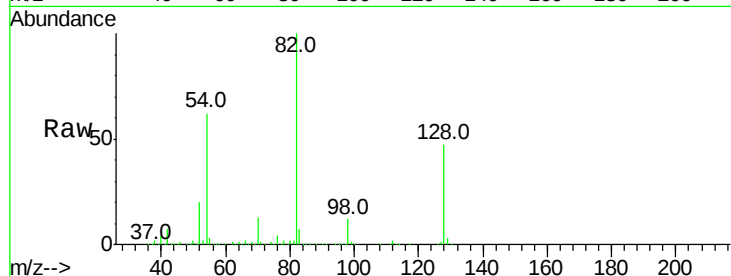
Tot Ion: 82 Resp: 1110343

Ion Ratio Lower Upper

82 100

128 47.0 36.1 54.1

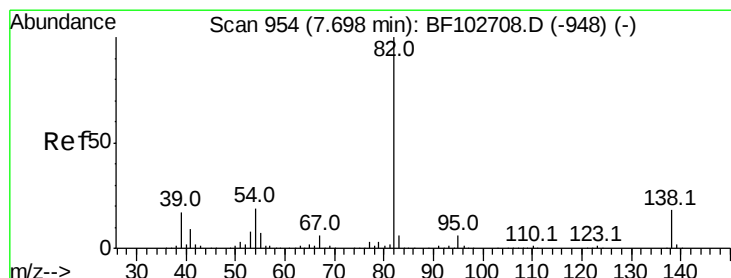
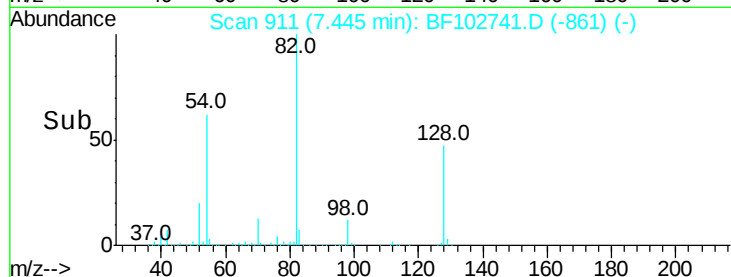
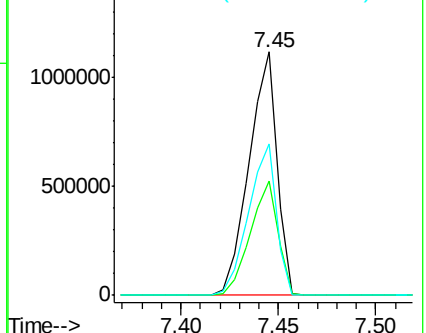
54 62.0 41.4 62.2



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: 39.336 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102741.D

Acq: 5 Feb 2018 16:44

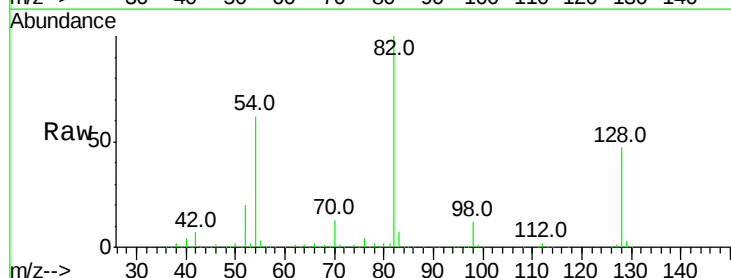
Tgt Ion: 82 Resp: 1110322

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

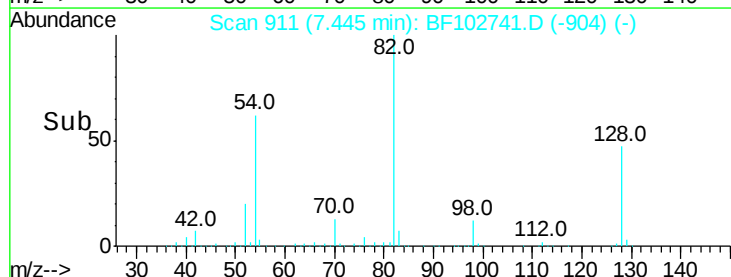
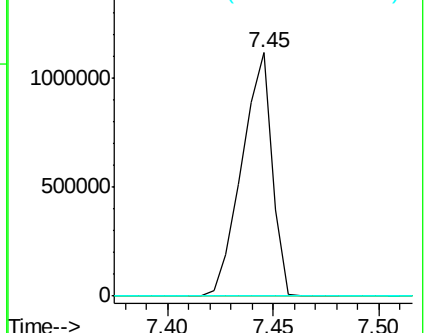
138 0.0 14.9 22.3#

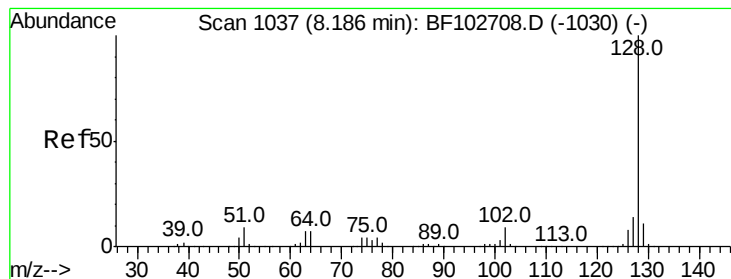


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 4.184 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF102741.D

Acq: 5 Feb 2018 16:44

Instrument :

BNA_F

ClientSampleId :

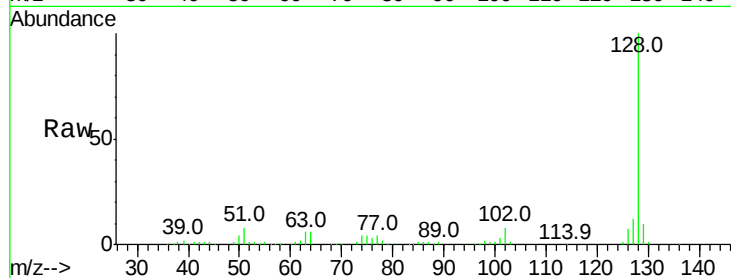
Tot Ion:128 Resp: 173830

Ion Ratio Lower Upper

128 100

129 9.9 8.8 13.2

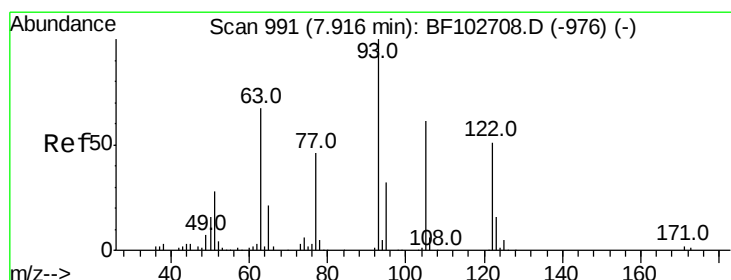
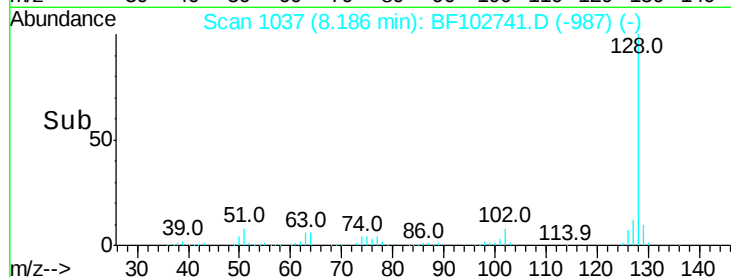
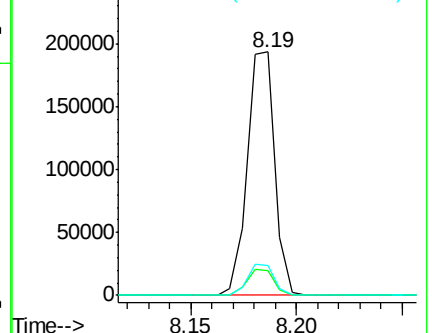
127 12.4 10.9 16.3



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: 8.765 ng

RT: 7.84 min Scan# 978

Delta R.T. -0.09 min

Lab File: BF102741.D

Acq: 5 Feb 2018 16:44

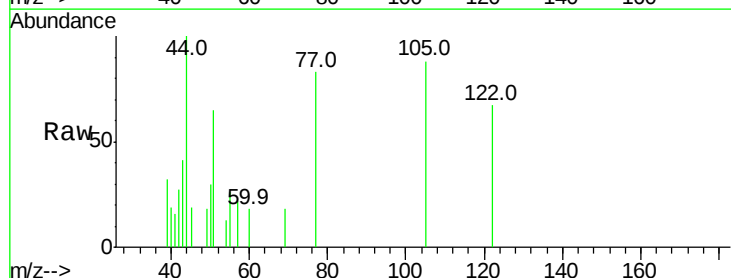
Tgt Ion:122 Resp: 1934

Ion Ratio Lower Upper

122 100

105 131.3 101.1 141.1

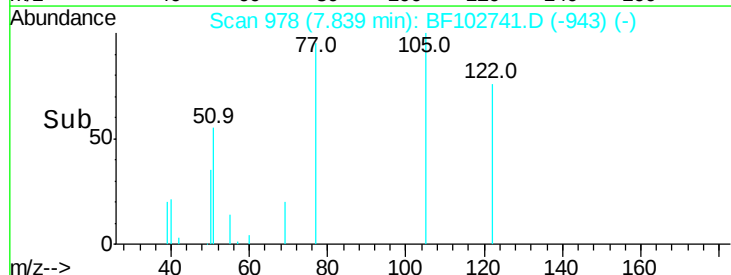
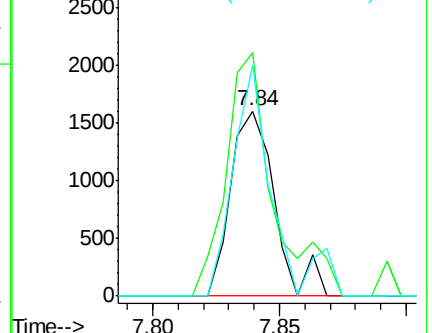
77 124.5 70.7 110.7#

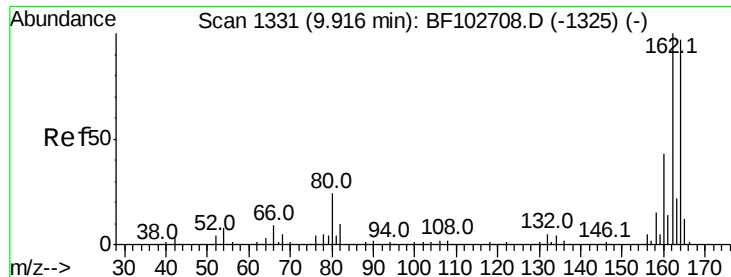


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

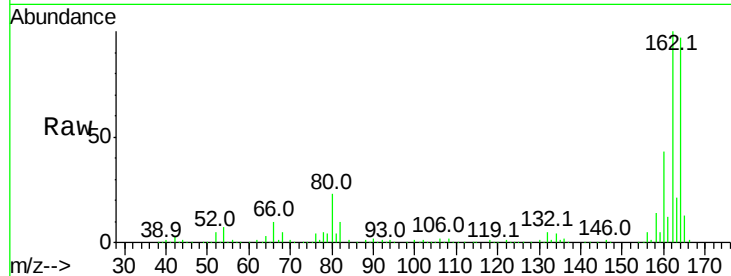




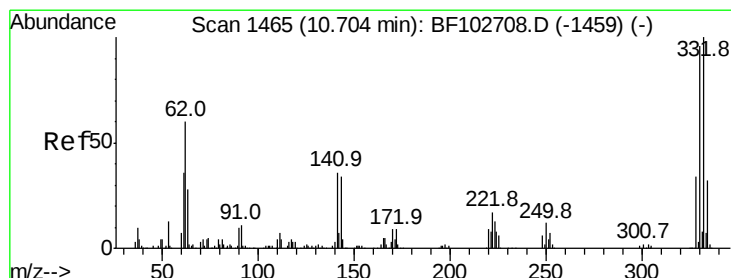
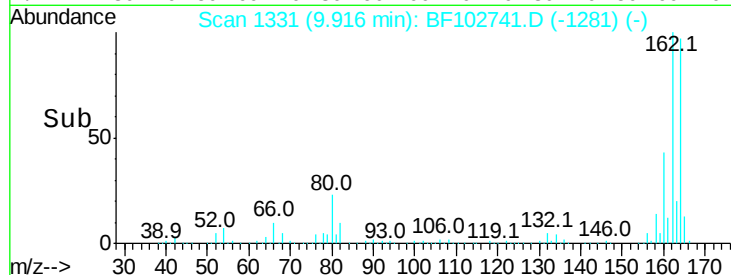
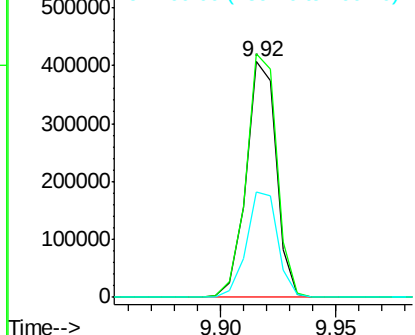
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF102741.D
Acq: 5 Feb 2018 16:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 370732
Ion Ratio Lower Upper
164 100
162 103.3 86.1 129.1
160 44.8 38.3 57.5

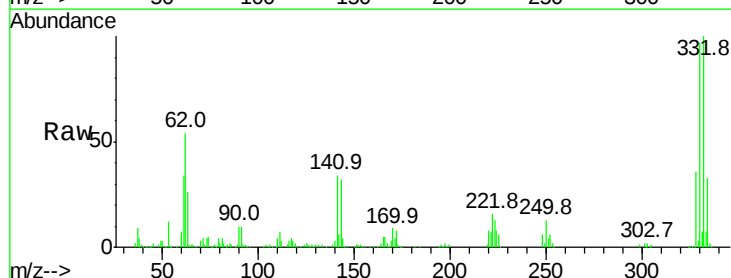


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

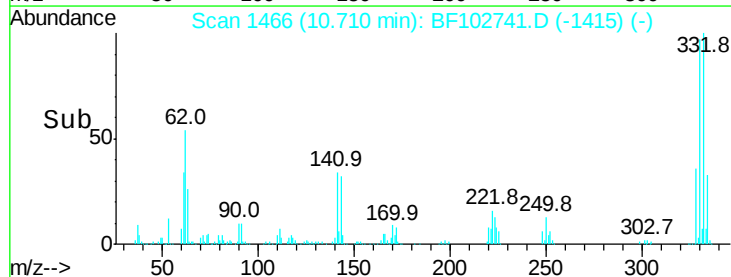
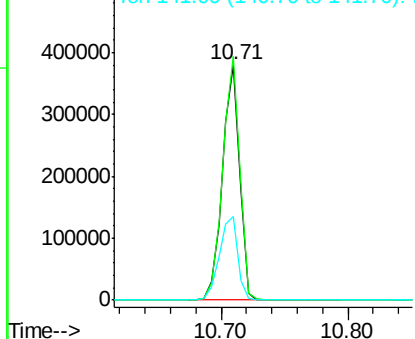


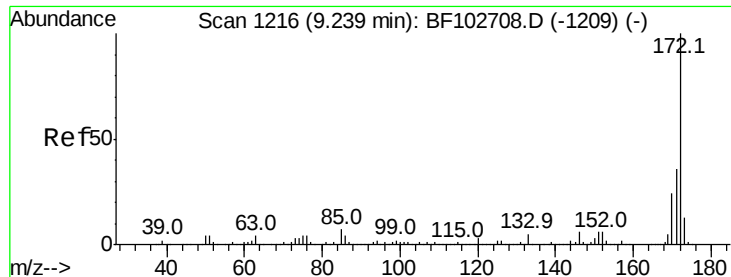
#41
2,4,6-Tribromophenol
Concen: 120.291 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.00 min
Lab File: BF102741.D
Acq: 5 Feb 2018 16:44

Tgt Ion:330 Resp: 358944
Ion Ratio Lower Upper
330 100
332 102.6 77.0 115.6
141 37.9 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



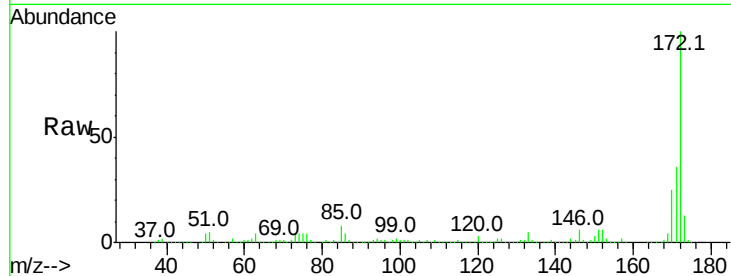


#44
 2-Fluorobiphenyl
 Concen: 82.777 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102741.D
 Acq: 5 Feb 2018 16:44

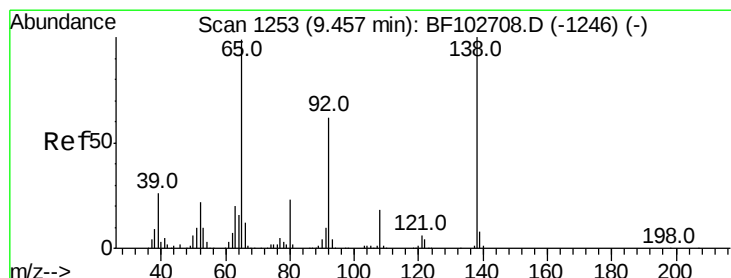
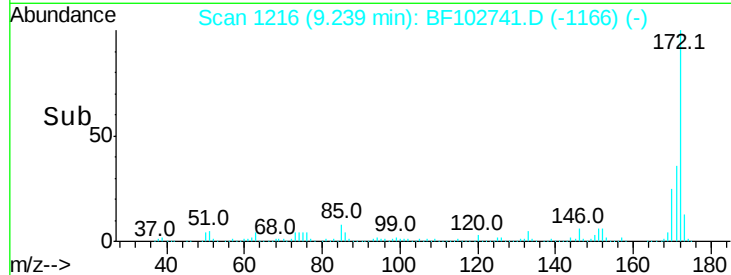
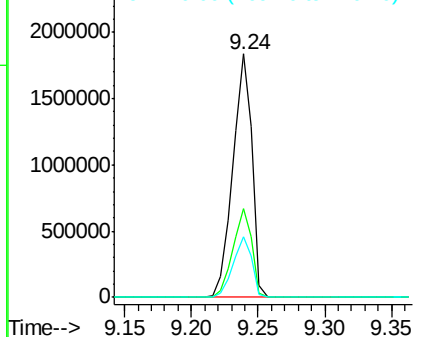
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1849390

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.9	19.6	29.4



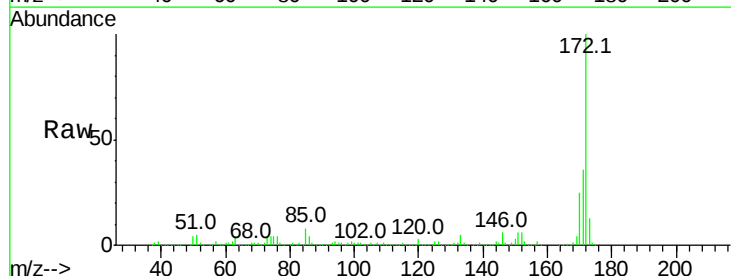
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



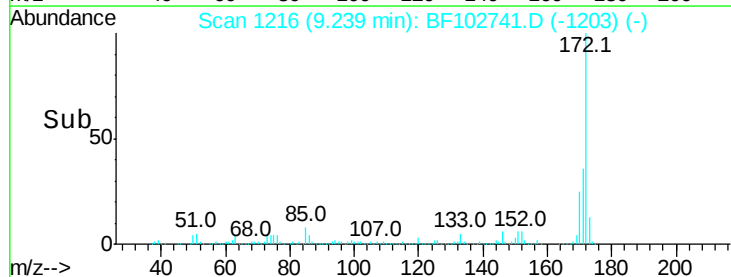
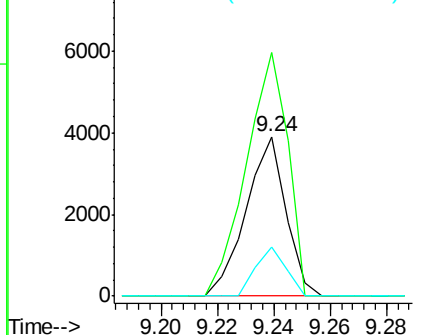
#47
 2-Nitroaniline
 Concen: 3.942 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.22 min
 Lab File: BF102741.D
 Acq: 5 Feb 2018 16:44

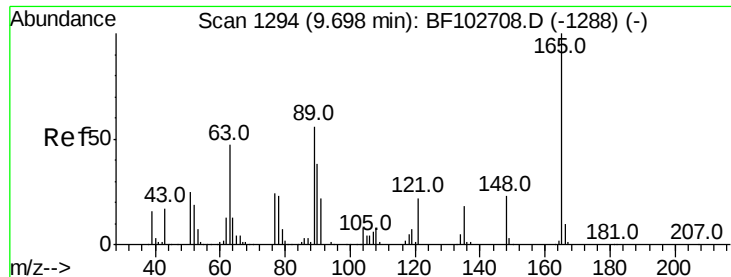
Tgt Ion: 65 Resp: 3845

Ion	Ratio	Lower	Upper
65	100		
92	152.9	55.8	83.6#
138	31.0	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

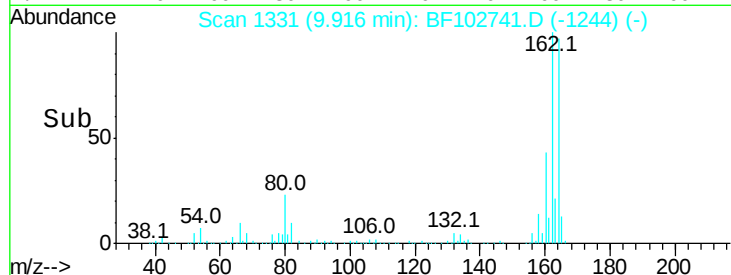
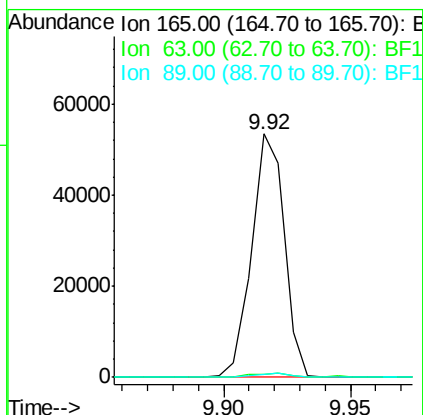
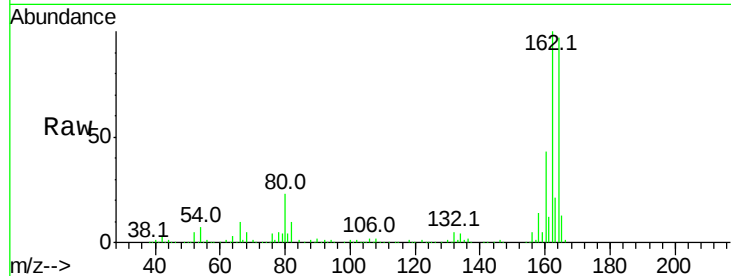




#50
 2,6-Dinitrotoluene
 Concen: 8.736 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF102741.D
 Acq: 5 Feb 2018 16:44

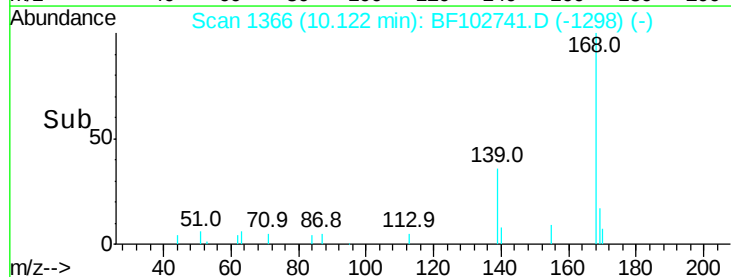
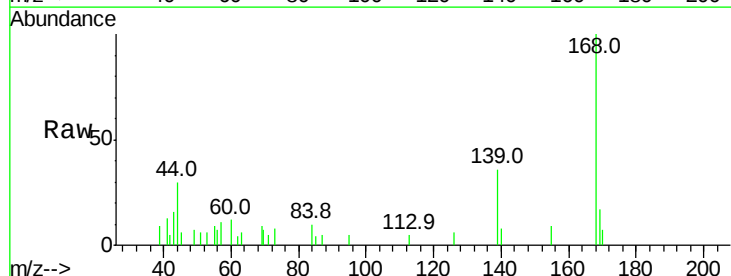
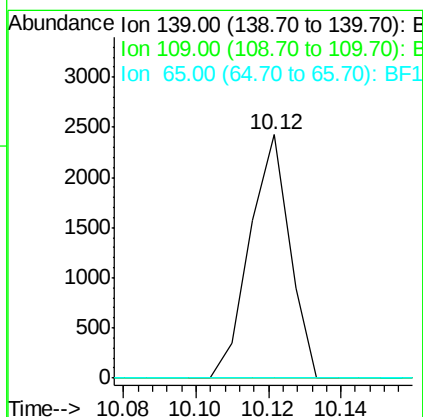
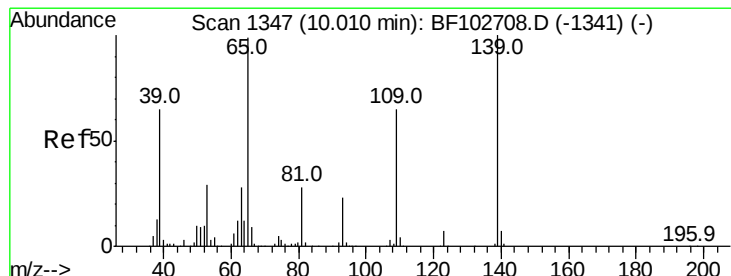
Instrument :
 BNA_F
 ClientSampleId :

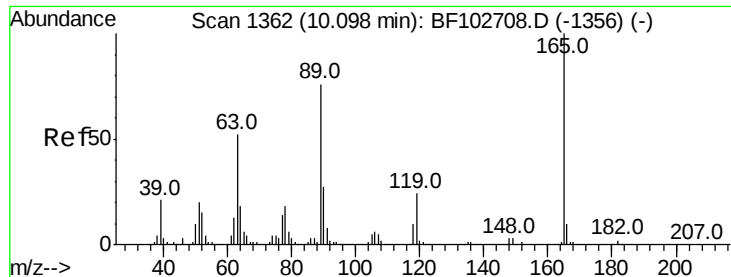
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.3	44.0	66.0#



#55
 4-Nitrophenol
 Concen: 4.341 ng
 RT: 10.12 min Scan# 1366
 Delta R.T. 0.10 min
 Lab File: BF102741.D
 Acq: 5 Feb 2018 16:44

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

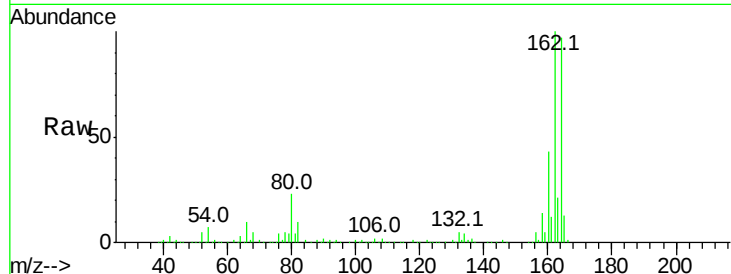




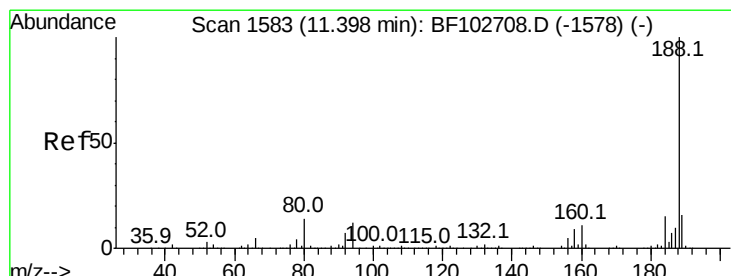
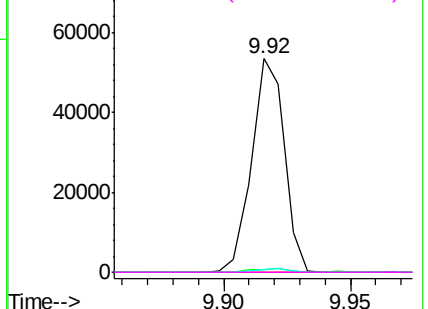
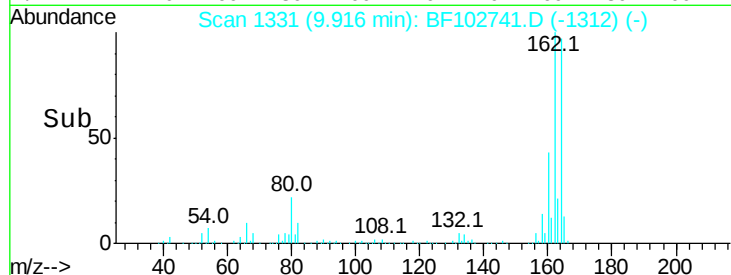
#56
 2,4-Dinitrotoluene
 Concen: 9.172 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF102741.D
 Acq: 5 Feb 2018 16:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 48045
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.4 54.6#
 89 1.3 57.8 86.6#
 182 0.0 1.6 2.4#

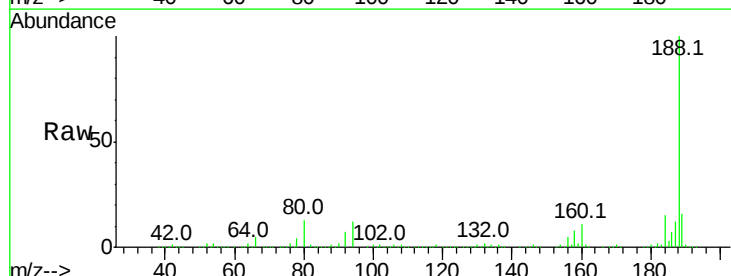


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

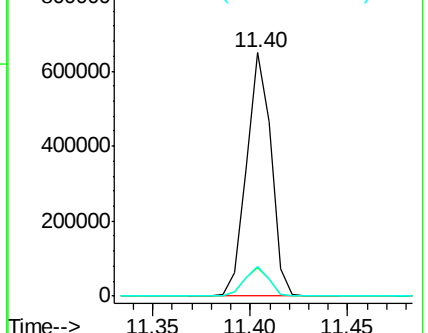
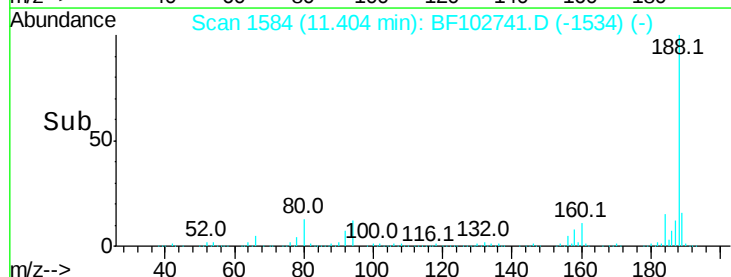


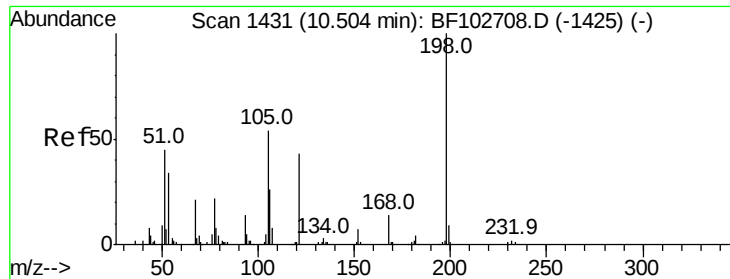
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF102741.D
 Acq: 5 Feb 2018 16:44

Tgt Ion:188 Resp: 564144
 Ion Ratio Lower Upper
 188 100
 94 11.9 8.5 12.7
 80 12.5 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

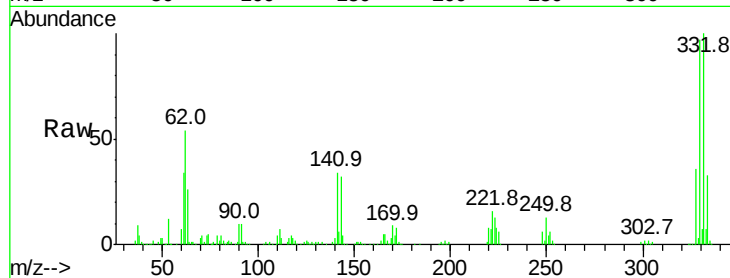




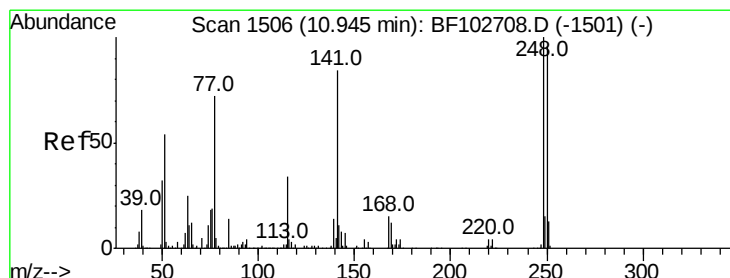
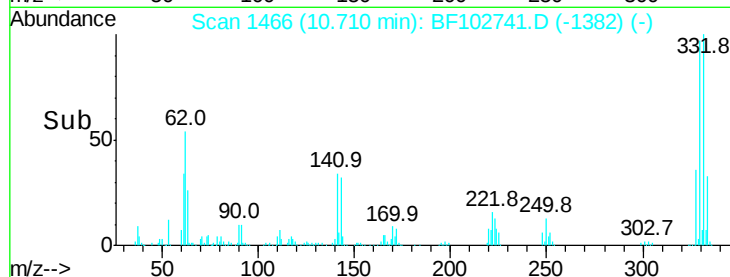
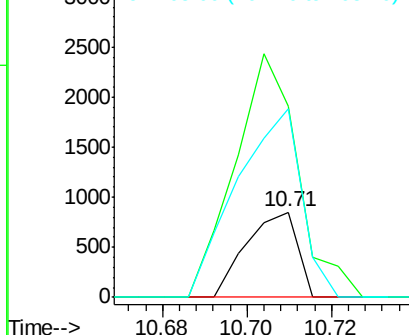
#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.076 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.19 min
 Lab File: BF102741.D
 Acq: 5 Feb 2018 16:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 719
 Ion Ratio Lower Upper
 198 100
 51 225.2 37.7 77.7#
 105 221.9 36.3 76.3#

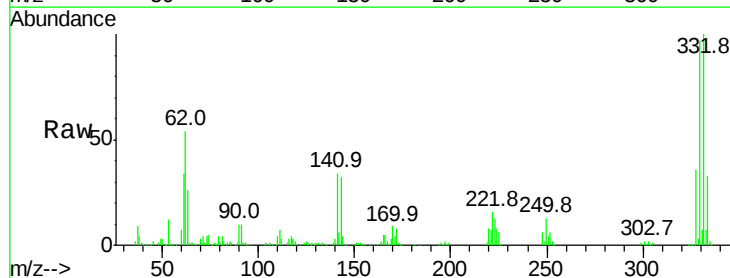


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

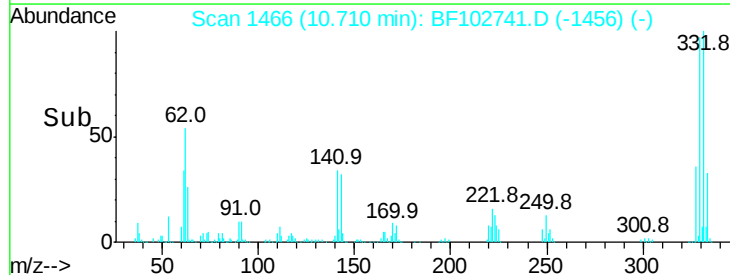
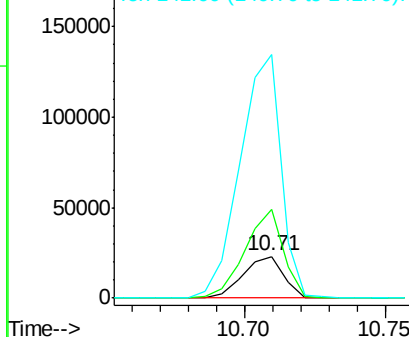


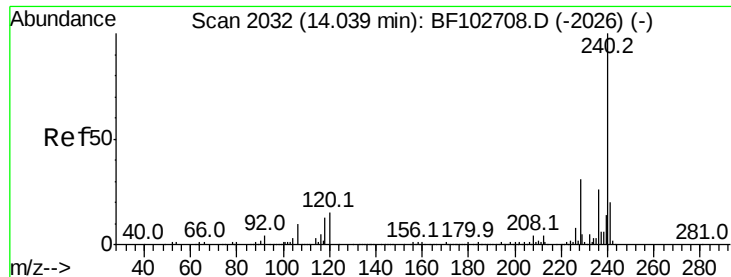
#66
 4-Bromophenyl-phenylether
 Concen: 3.859 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF102741.D
 Acq: 5 Feb 2018 16:44

Tgt Ion:248 Resp: 23027
 Ion Ratio Lower Upper
 248 100
 250 214.0 76.9 115.3#
 141 585.0 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF102741.D

Acq: 5 Feb 2018 16:44

Instrument :

BNA_F

ClientSampled :

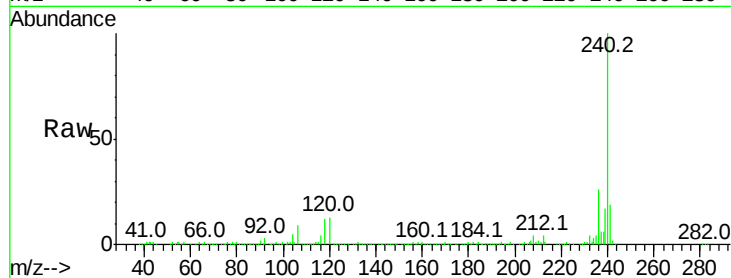
Tot Ion:240 Resp: 364082

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

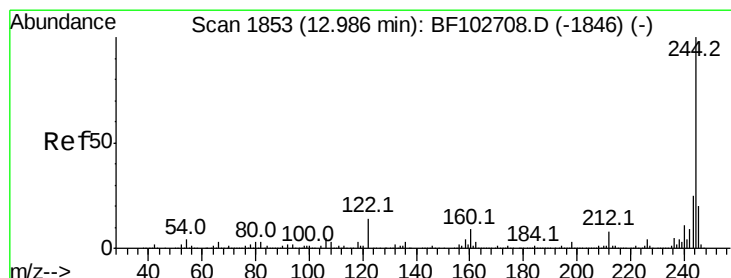
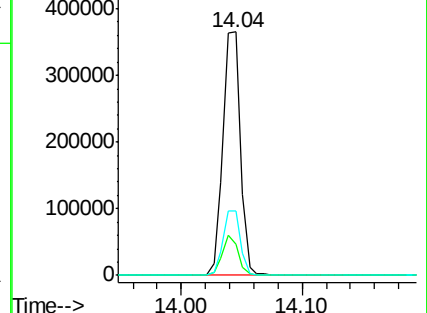
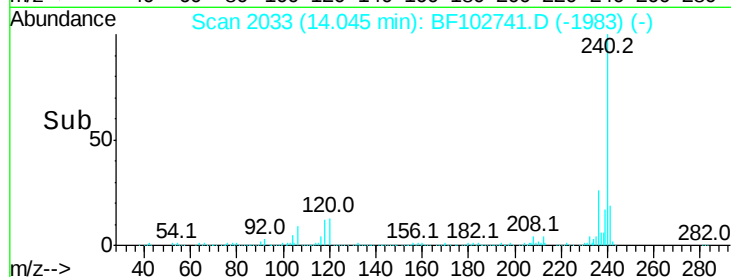
236 26.4 20.7 31.1



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: 89.736 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102741.D

Acq: 5 Feb 2018 16:44

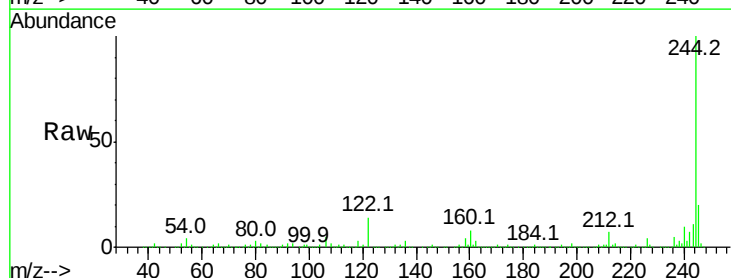
Tgt Ion:244 Resp: 1379837

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

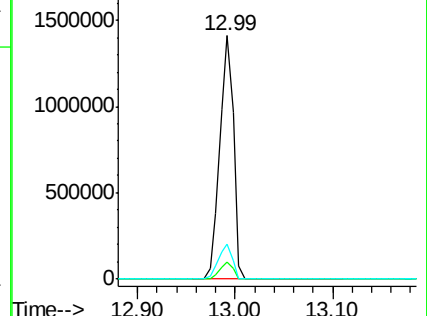
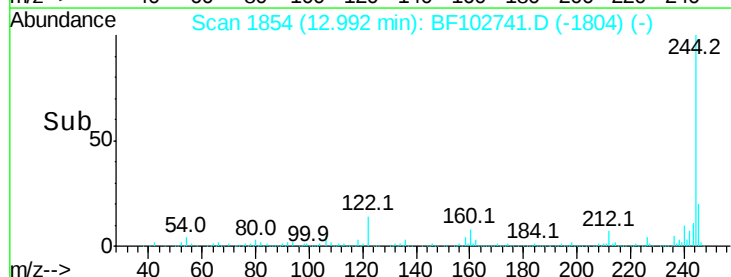
122 14.2 11.0 16.4

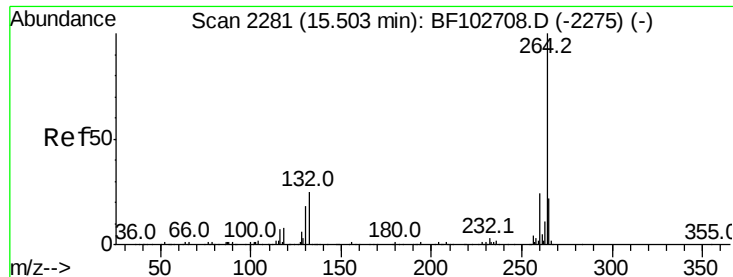


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

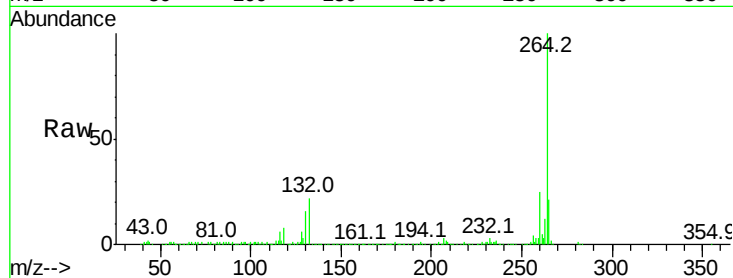




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF102741.D
Acq: 5 Feb 2018 16:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	21.3	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

