

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020818\
 Data File : BF102860.D
 Acq On : 8 Feb 2018 17:07
 Operator : SJ/JU
 Sample : J1470-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 18:15:44 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	6.89	152	188634	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	768210	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	311562	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	429750	20.00	ng	0.00
75) Chrysene-d12	14.05	240	348504	20.00	ng	0.00
86) Perylene-d12	15.54	264	302074	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1080475	86.99	ng	0.01
7) Phenol-d6	6.51	99	1281901	85.71	ng	0.00
23) Nitrobenzene-d5	7.45	82	822601	74.28	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	169507	67.59	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1059870	56.45	ng	0.00
78) Terphenyl-d14	13.00	244	620996	42.19	ng	0.00

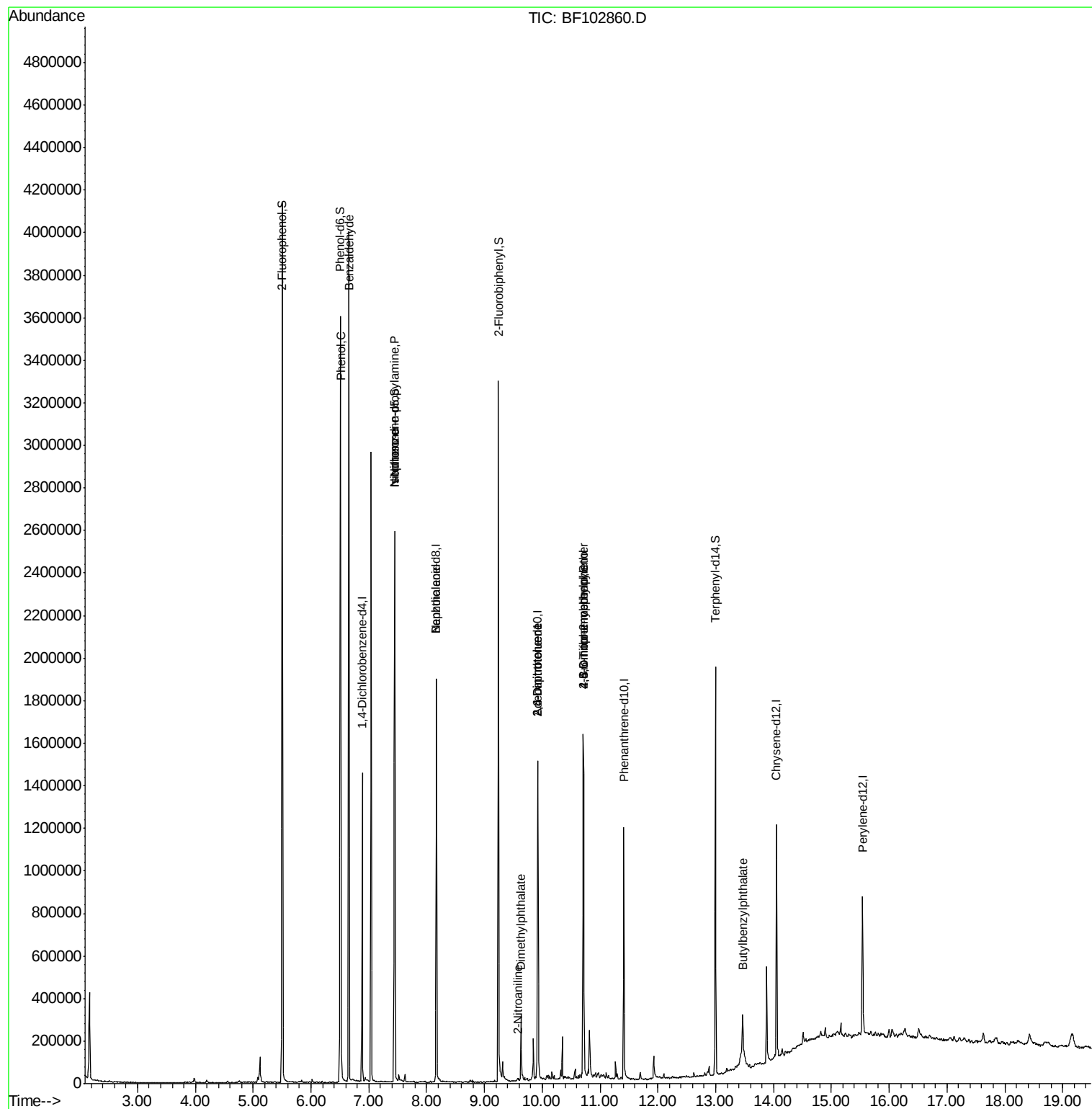
Target Compounds				Qvalue		
9) Benzaldehyde	6.66	77	23519	2.118	ng	84
10) Phenol	6.52	94	34079	2.126	ng	89
19) n-Nitroso-di-n-propylamine	7.45	70	112729	11.432	ng	# 84
25) Isophorone	7.45	82	822582	32.259	ng	# 64
32) Benzoic acid	8.17	122	113	8.557	ng	# 1
47) 2-Nitroaniline	9.57	65	126	3.491	ng	# 2
49) Dimethylphthalate	9.63	163	104212	4.290	ng	98
50) 2,6-Dinitrotoluene	9.92	165	38762	8.387	ng	# 26
56) 2,4-Dinitrotoluene	9.92	165	38762	8.928	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.71	198	394	8.996	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	11996	2.639	ng	# 1
79) Butylbenzylphthalate	13.47	149	32495	3.458	ng	92

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

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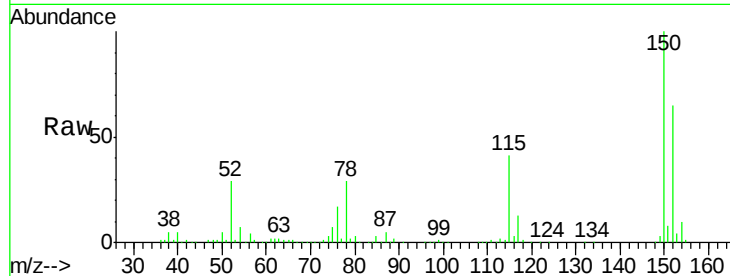


#1

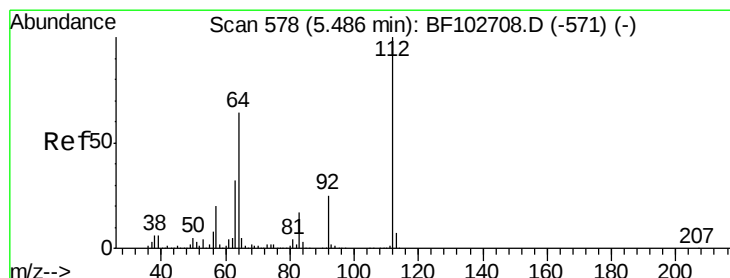
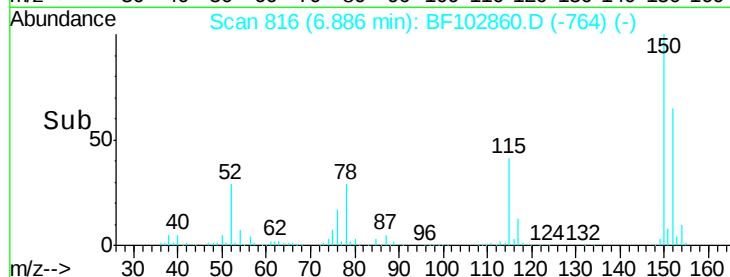
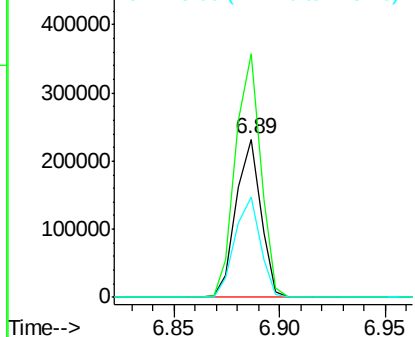
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102860.D
Acq: 8 Feb 2018 17:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 188634
Ion Ratio Lower Upper
152 100
150 154.3 124.6 186.8
115 63.4 50.1 75.1



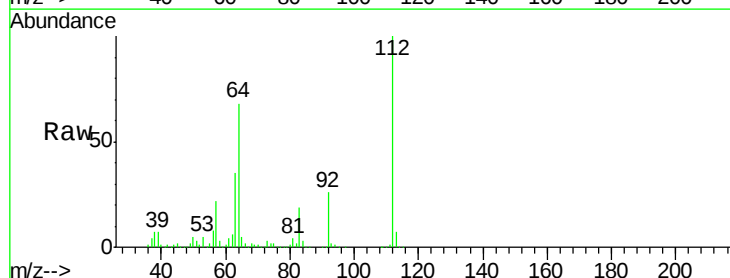
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



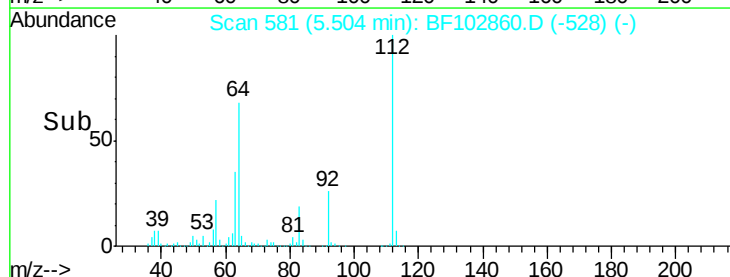
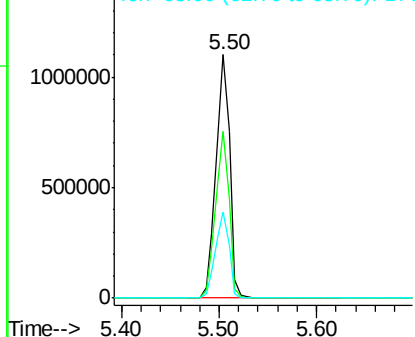
#5

2-Fluorophenol
Concen: 86.988 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102860.D
Acq: 8 Feb 2018 17:07

Tgt Ion:112 Resp: 1080475
Ion Ratio Lower Upper
112 100
64 68.5 47.9 71.9
63 35.2 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: 85.713 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102860.D

Acq: 8 Feb 2018 17:07

Instrument :

BNA_F

ClientSampleId :

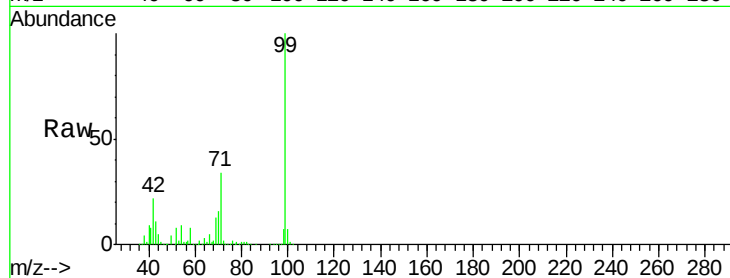
Tot Ion: 99 Resp: 1281901

Ion Ratio Lower Upper

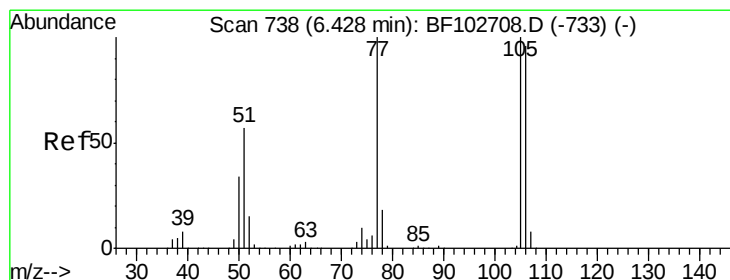
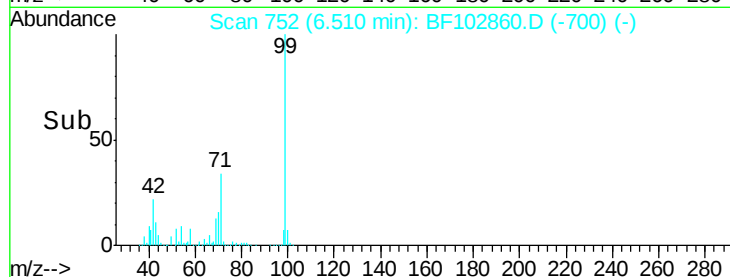
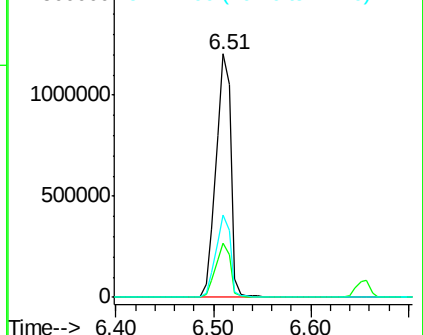
99 100

42 22.1 14.5 21.7#

71 34.0 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: 2.118 ng

RT: 6.66 min Scan# 777

Delta R.T. 0.22 min

Lab File: BF102860.D

Acq: 8 Feb 2018 17:07

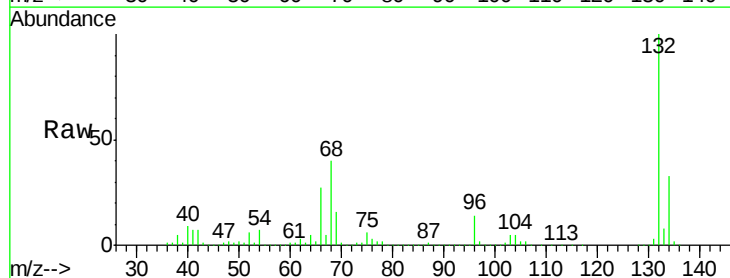
Tgt Ion: 77 Resp: 23519

Ion Ratio Lower Upper

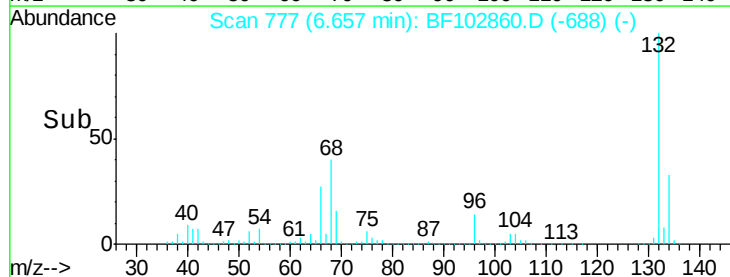
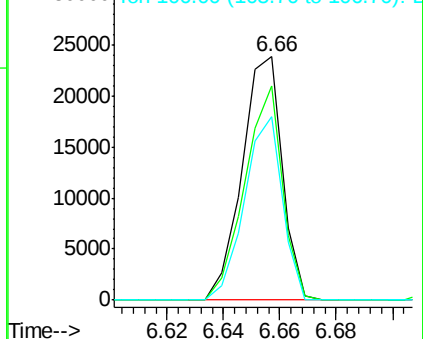
77 100

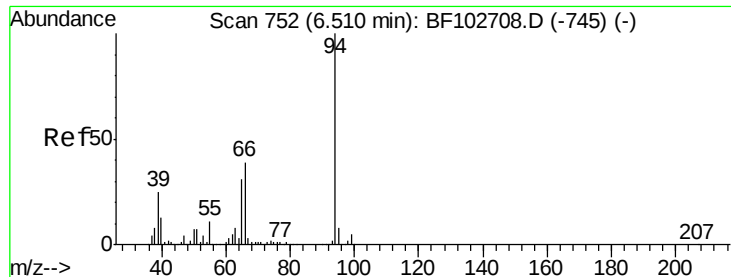
105 88.2 81.1 121.1

106 75.6 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

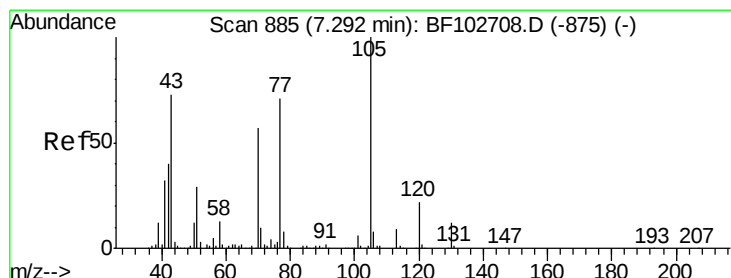
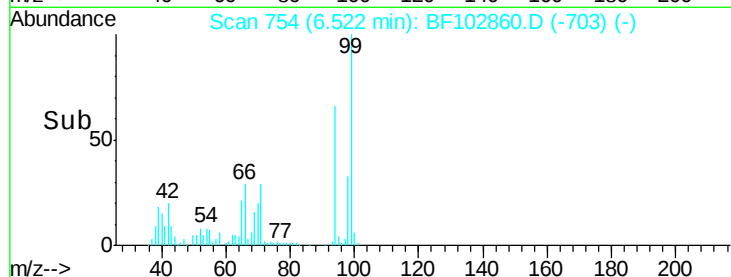
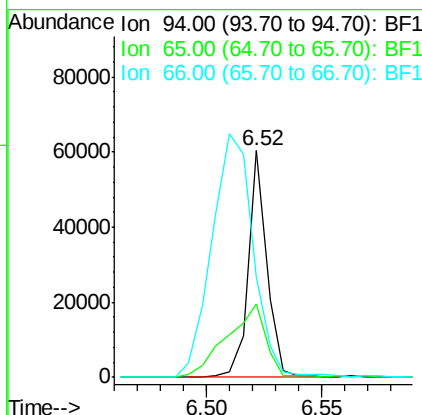
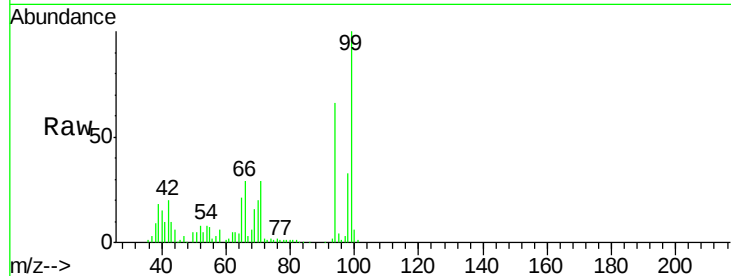




#10
Phenol
Concen: 2.126 ng
RT: 6.52 min Scan# 754
Delta R.T. -0.00 min
Lab File: BF102860.D
Acq: 8 Feb 2018 17:07

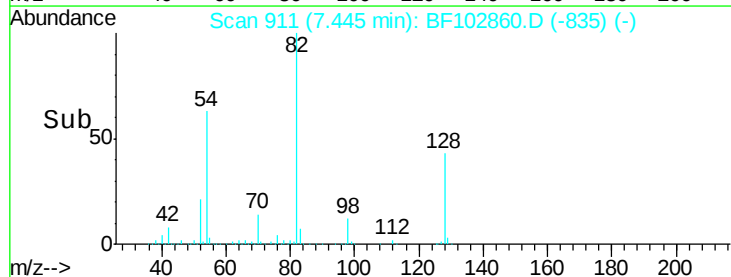
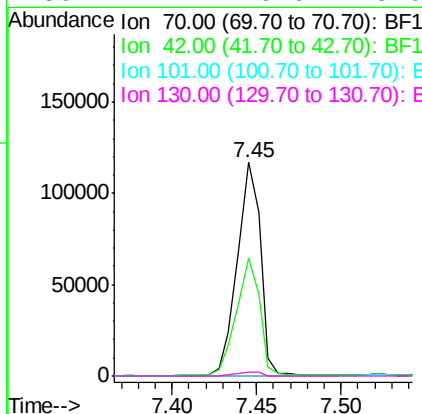
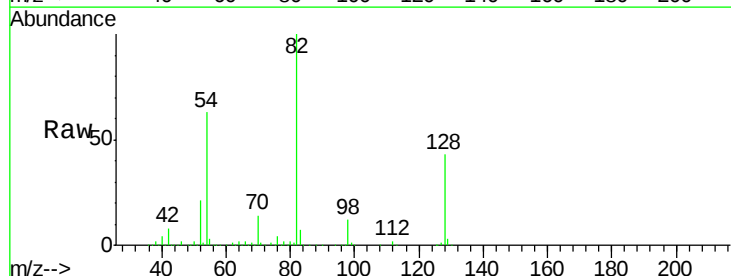
Instrument :
BNA_F
ClientSampleId :

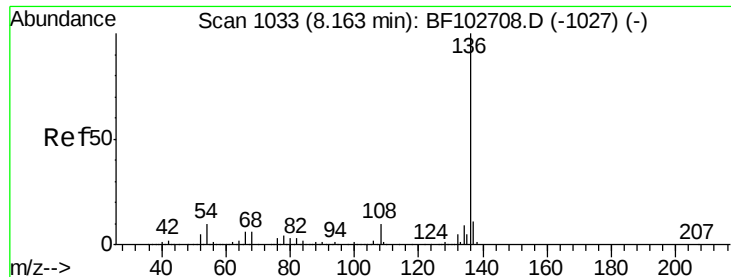
Tot Ion: 94 Resp: 34079
Ion Ratio Lower Upper
94 100
65 32.2 7.9 47.9
66 44.5 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.432 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.15 min
Lab File: BF102860.D
Acq: 8 Feb 2018 17:07

Tgt Ion: 70 Resp: 112729
Ion Ratio Lower Upper
70 100
42 55.1 47.5 71.3
101 0.0 7.4 11.2#
130 1.7 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF102860.D

Acq: 8 Feb 2018 17:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 768210

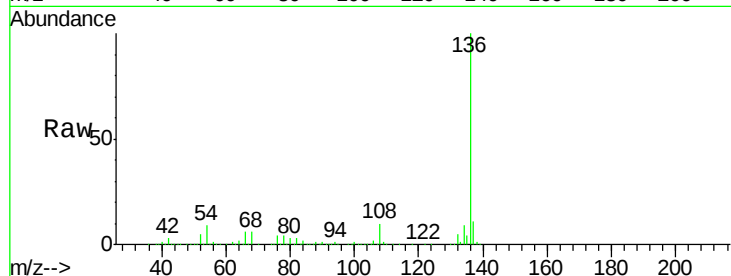
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.4 6.6 9.8

68 6.5 5.0 7.4

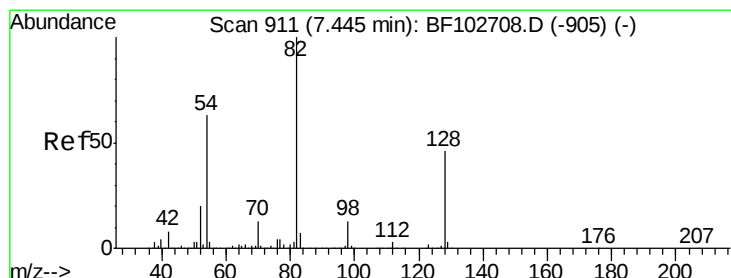
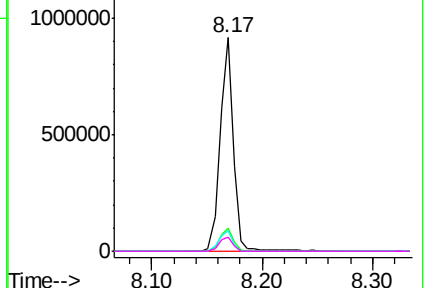
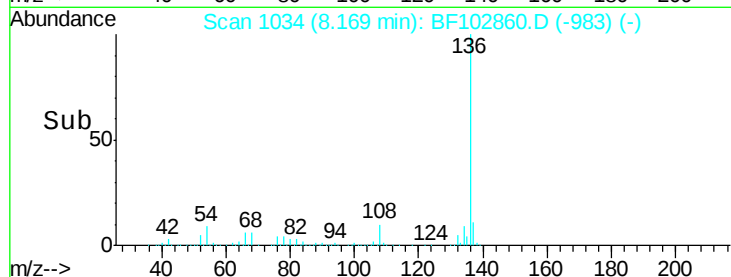


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 74.282 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF102860.D

Acq: 8 Feb 2018 17:07

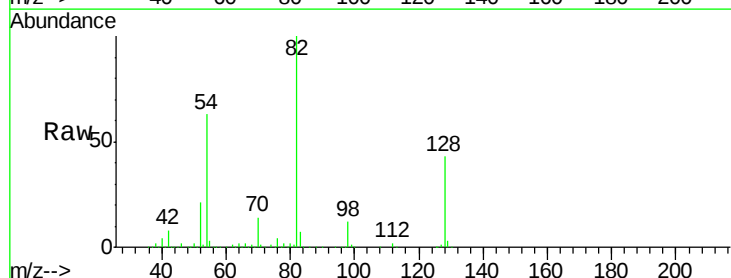
Tgt Ion: 82 Resp: 822601

Ion Ratio Lower Upper

82 100

128 42.8 36.1 54.1

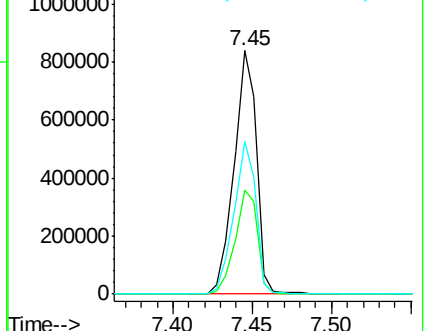
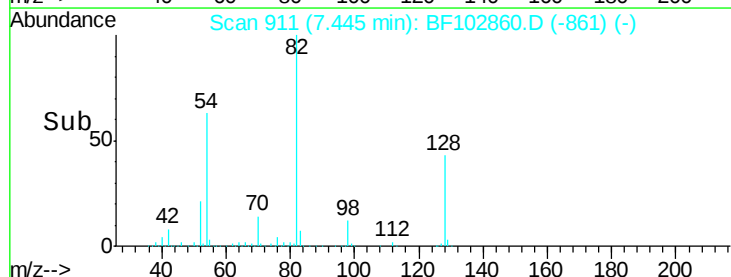
54 62.9 41.4 62.2#

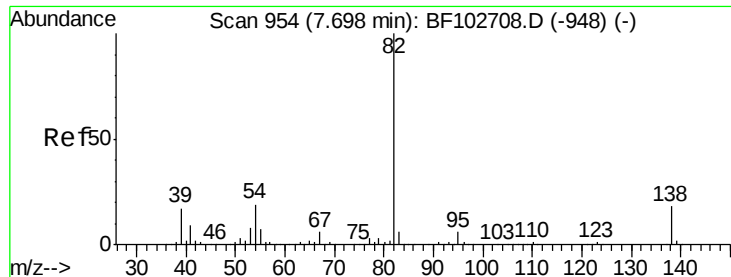


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.259 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102860.D

Acq: 8 Feb 2018 17:07

Instrument :

BNA_F

ClientSampleId :

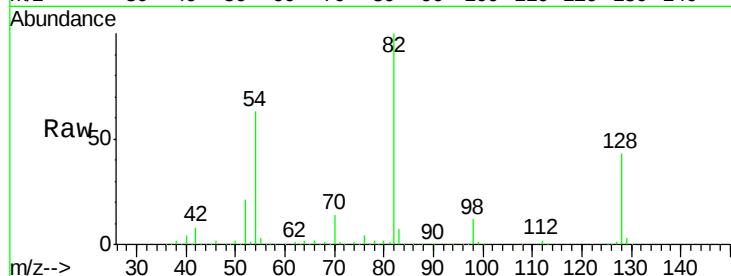
Tot Ion: 82 Resp: 822582

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

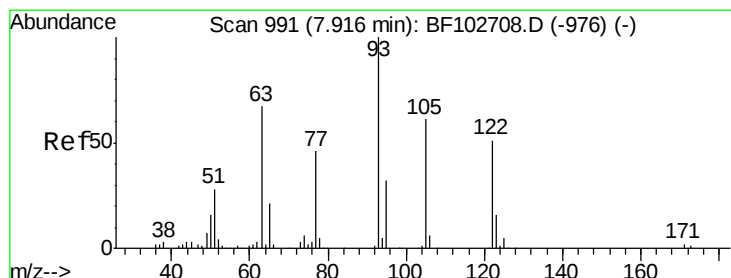
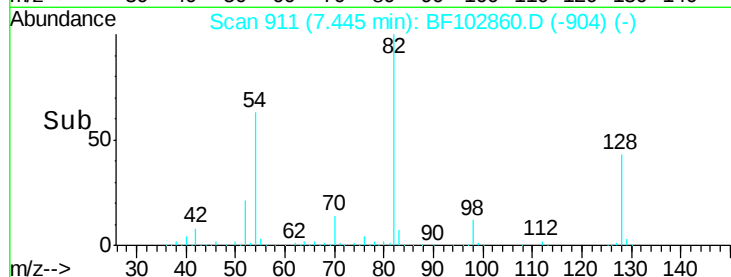
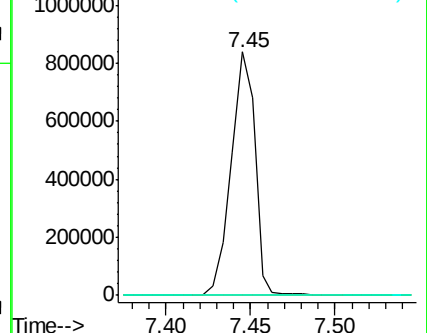
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 8.557 ng

RT: 8.17 min Scan# 1034

Delta R.T. 0.24 min

Lab File: BF102860.D

Acq: 8 Feb 2018 17:07

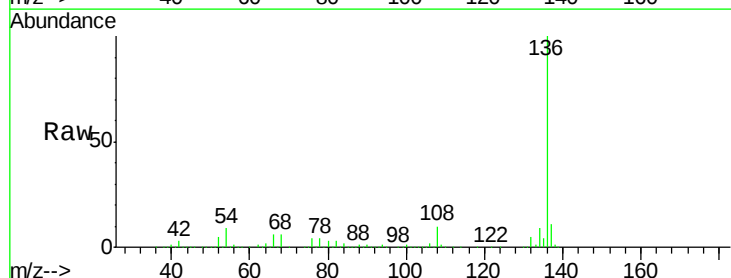
Tgt Ion:122 Resp: 113

Ion Ratio Lower Upper

122 100

105 324.7 101.1 141.1#

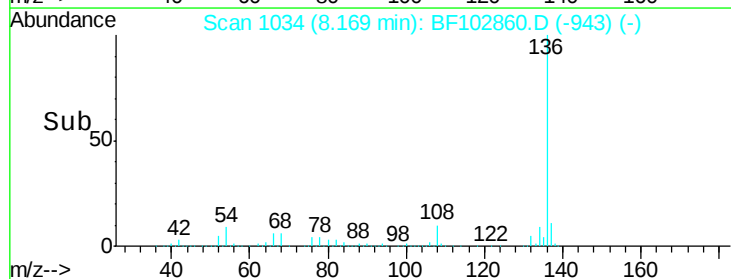
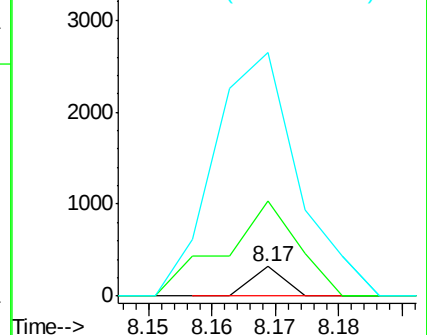
77 827.2 70.7 110.7#

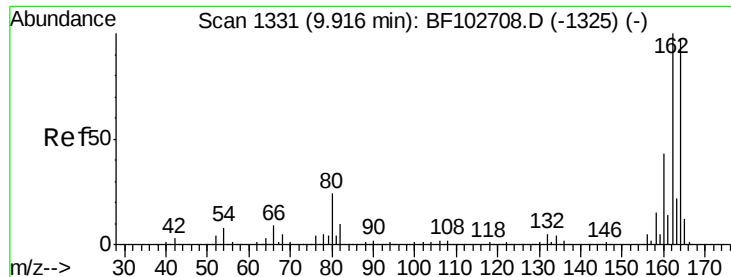


Abundance Ion 122.00 (121.70 to 122.70): E

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# 1332

Delta R.T. -0.00 min

Lab File: BF102860.D

Acq: 8 Feb 2018 17:07

Instrument :

BNA_F

ClientSampled :

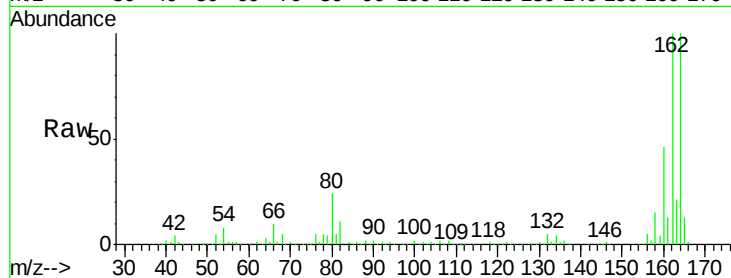
Tot Ion:164 Resp: 311562

Ion Ratio Lower Upper

164 100

162 100.0 86.1 129.1

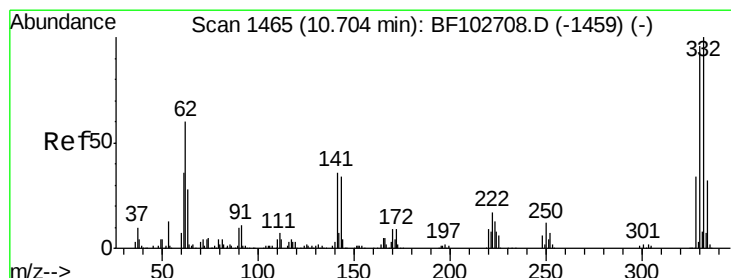
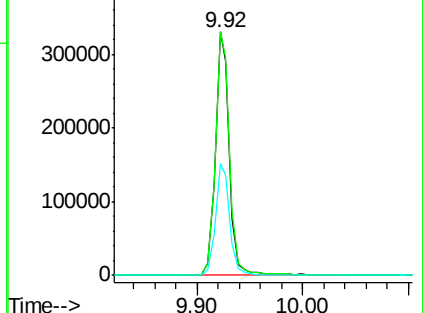
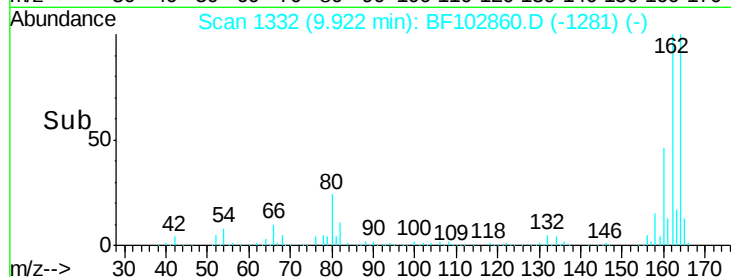
160 45.7 38.3 57.5



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: 67.594 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.01 min

Lab File: BF102860.D

Acq: 8 Feb 2018 17:07

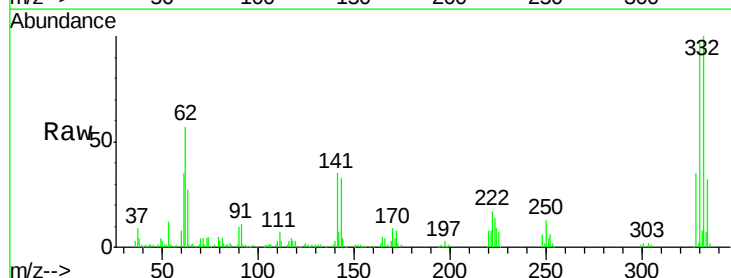
Tgt Ion:330 Resp: 169507

Ion Ratio Lower Upper

330 100

332 104.3 77.0 115.6

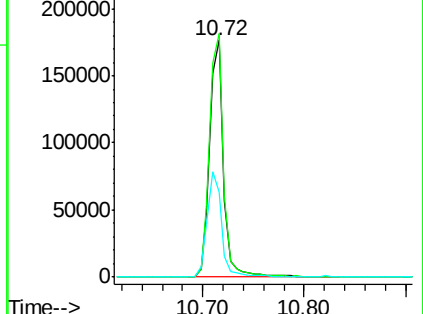
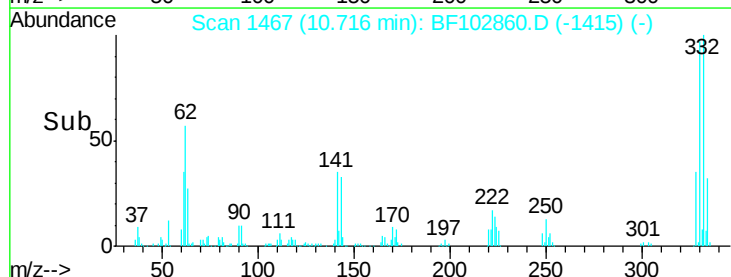
141 45.8 29.9 44.9#

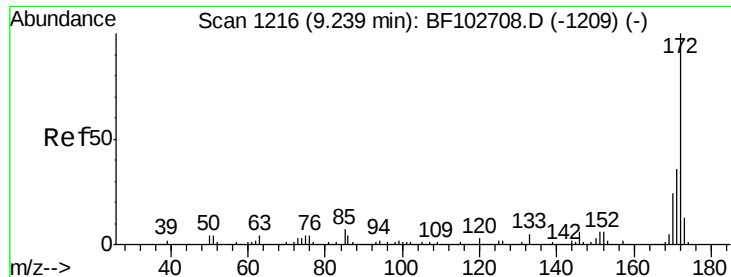


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

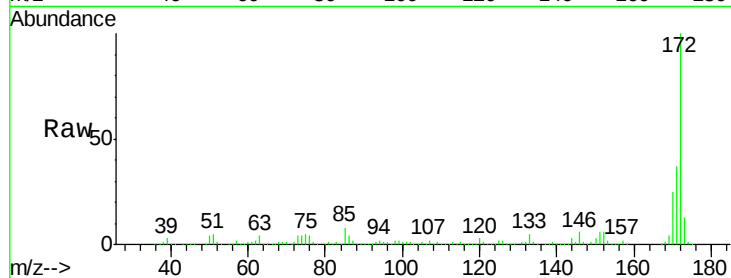




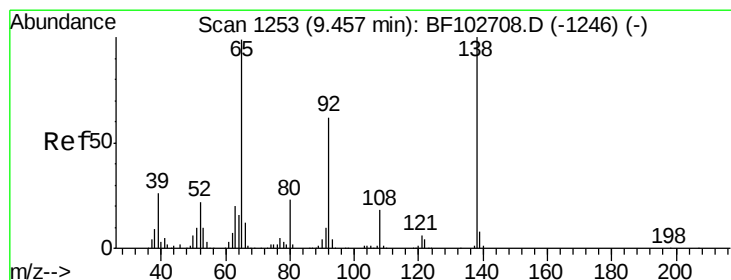
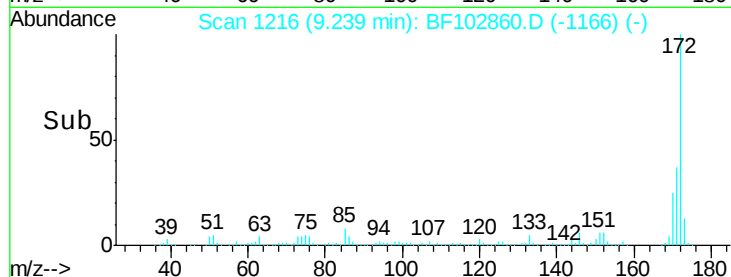
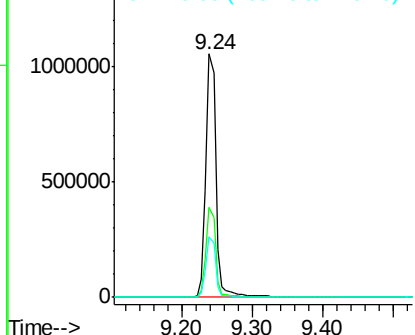
#44
 2-Fluorobiphenyl
 Concen: 56.448 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102860.D
 Acq: 8 Feb 2018 17:07

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1059870
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.7 44.5
 170 24.7 19.6 29.4

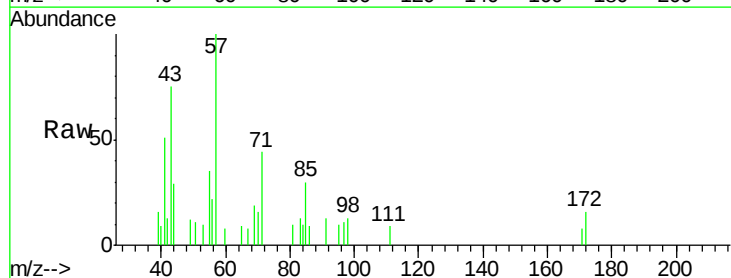


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

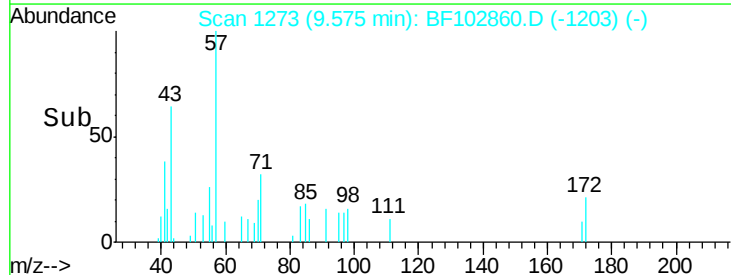
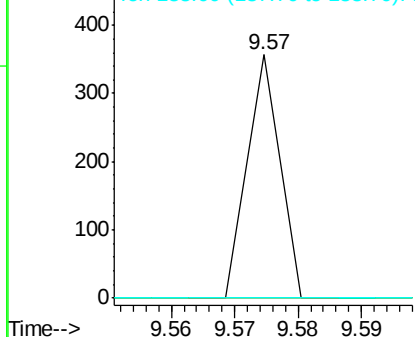


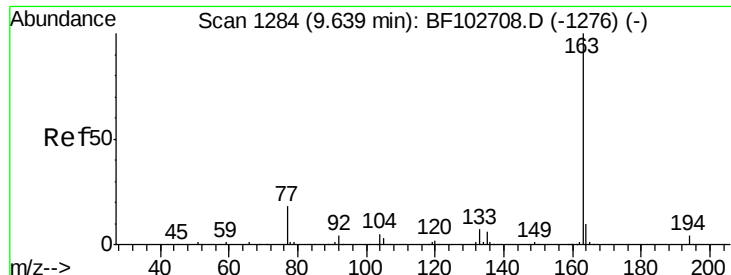
#47
 2-Nitroaniline
 Concen: 3.491 ng
 RT: 9.57 min Scan# 1273
 Delta R.T. 0.11 min
 Lab File: BF102860.D
 Acq: 8 Feb 2018 17:07

Tgt Ion: 65 Resp: 126
 Ion Ratio Lower Upper
 65 100
 92 0.0 55.8 83.6#
 138 0.0 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

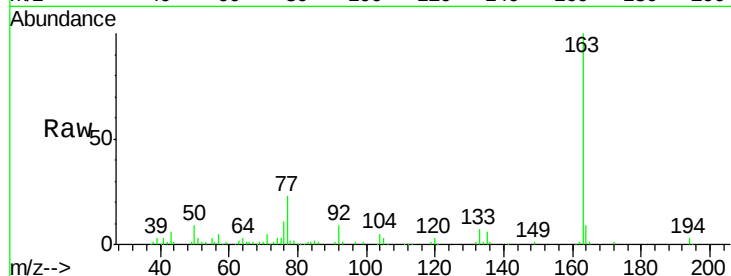




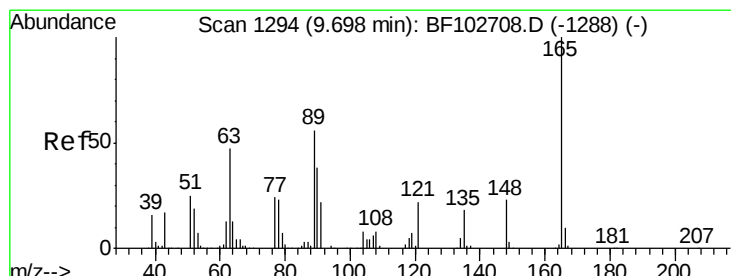
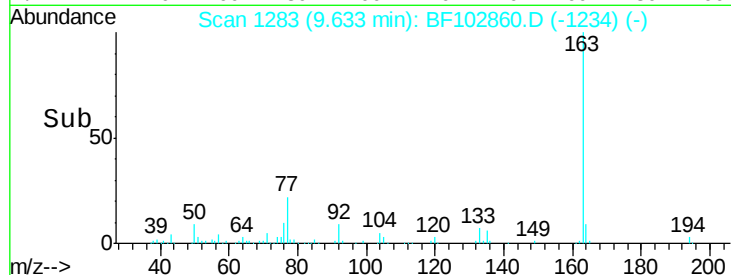
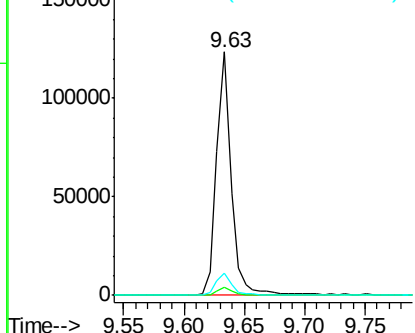
#49
Dimethylphthalate
Concen: 4.290 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF102860.D
Acq: 8 Feb 2018 17:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	9.1	8.2	12.2

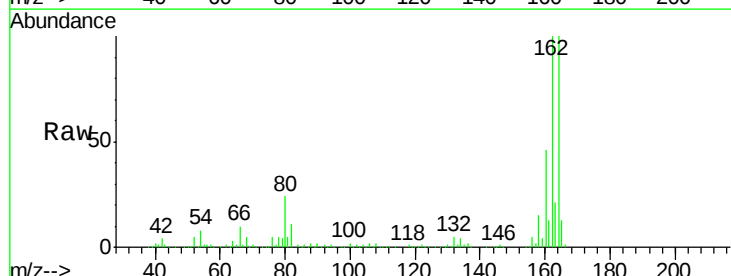


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

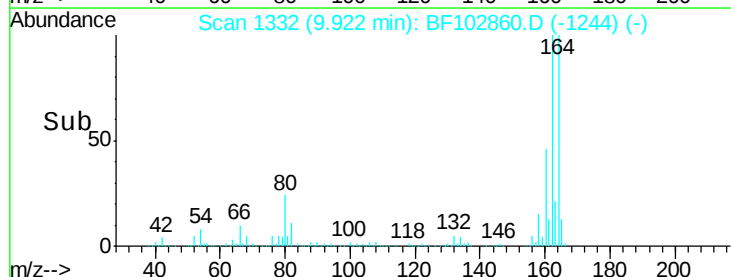
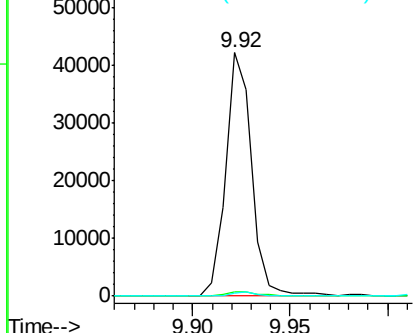


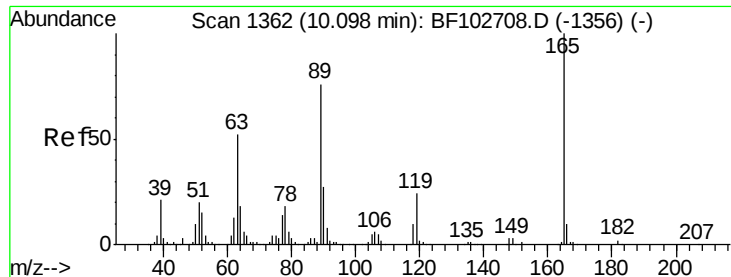
#50
2,6-Dinitrotoluene
Concen: 8.387 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.22 min
Lab File: BF102860.D
Acq: 8 Feb 2018 17:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	44.7	67.1#
89	1.4	44.0	66.0#



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

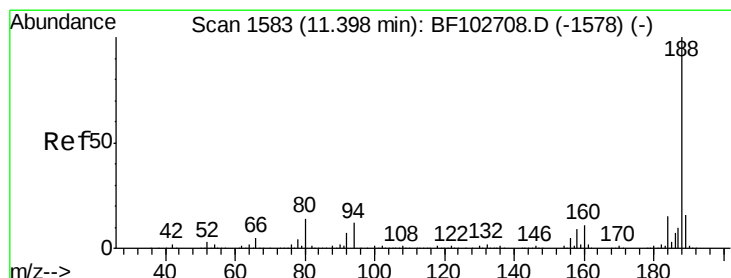
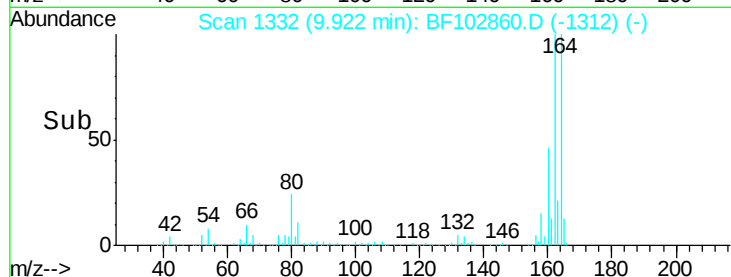
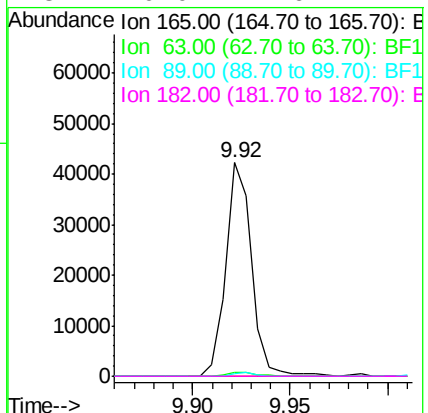
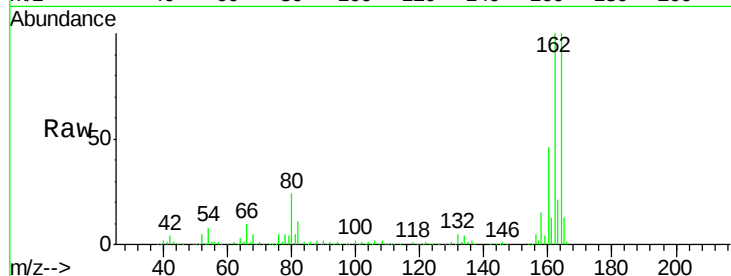




#56
2,4-Dinitrotoluene
Concen: 8.928 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.18 min
Lab File: BF102860.D
Acq: 8 Feb 2018 17:07

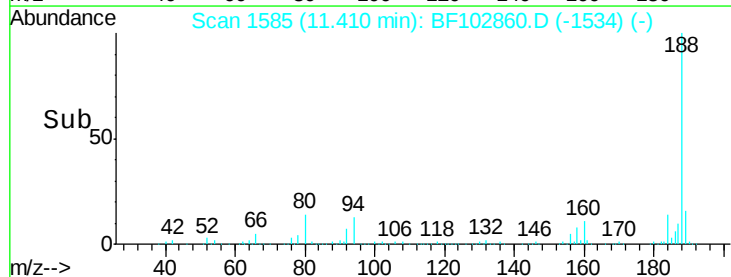
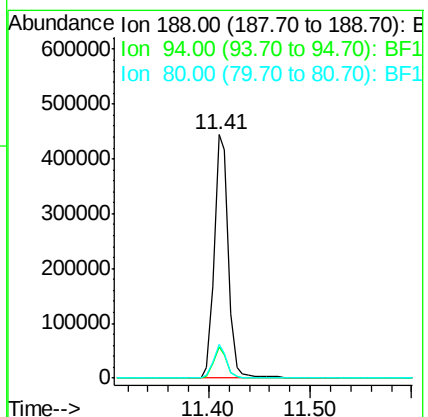
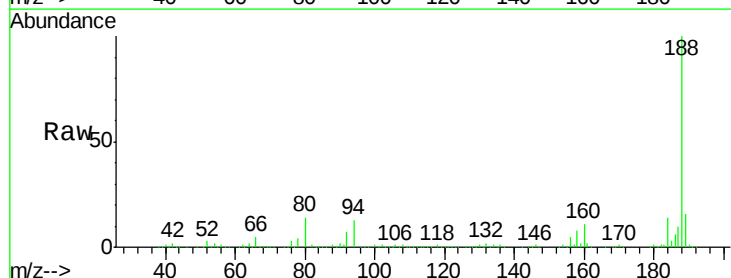
Instrument :
BNA_F
ClientSampleId :

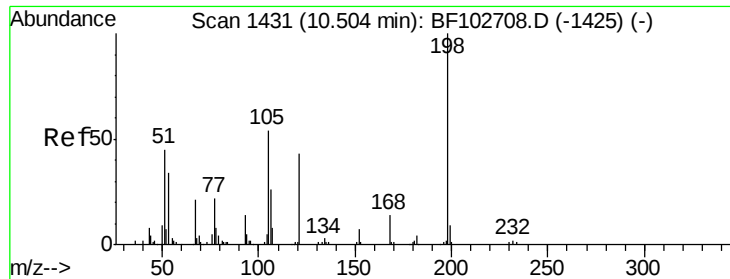
Tot Ion:165 Resp: 38762
Ion Ratio Lower Upper
165 100
63 2.0 36.4 54.6#
89 1.4 57.8 86.6#
182 0.0 1.6 2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF102860.D
Acq: 8 Feb 2018 17:07

Tgt Ion:188 Resp: 429750
Ion Ratio Lower Upper
188 100
94 12.6 8.5 12.7
80 14.1 9.2 13.8#

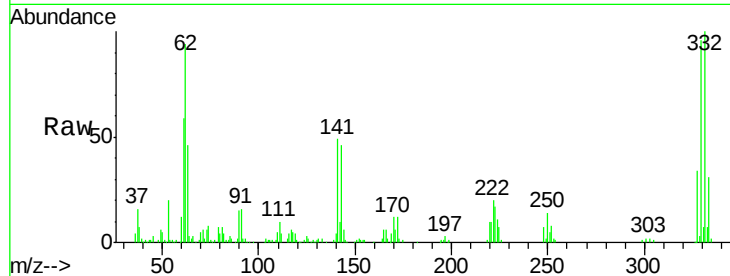




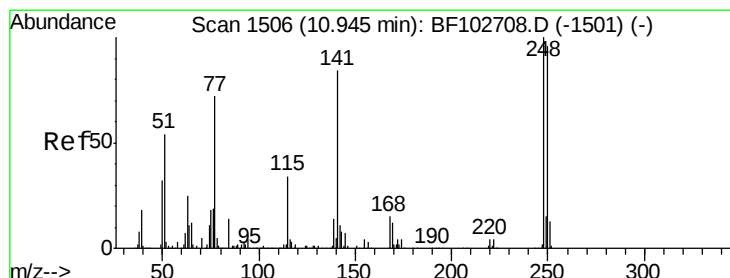
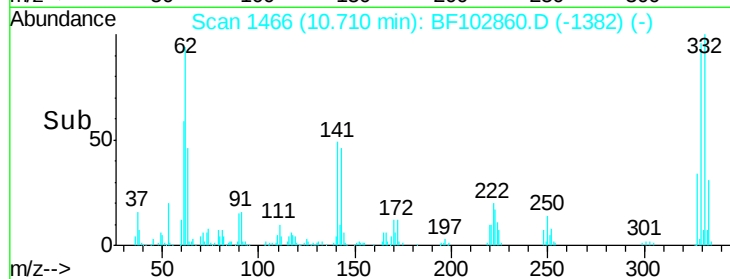
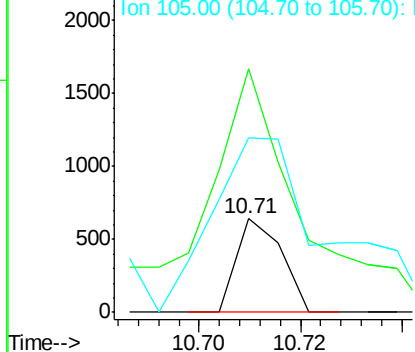
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.996 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.19 min
 Lab File: BF102860.D
 Acq: 8 Feb 2018 17:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 394
 Ion Ratio Lower Upper
 198 100
 51 259.6 37.7 77.7#
 105 186.0 36.3 76.3#

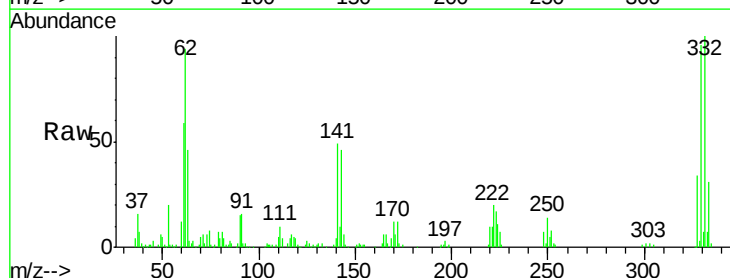


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

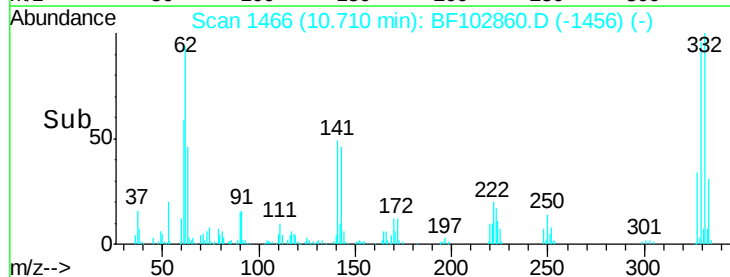
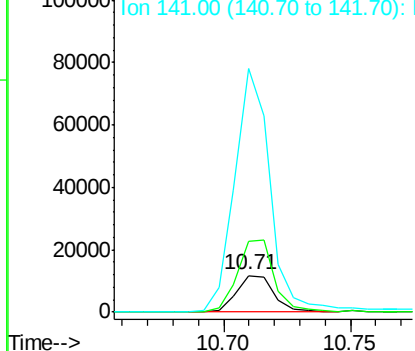


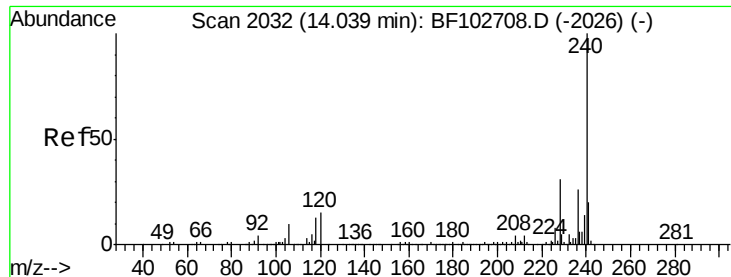
#66
 4-Bromophenyl-phenylether
 Concen: 2.639 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF102860.D
 Acq: 8 Feb 2018 17:07

Tgt Ion:248 Resp: 11996
 Ion Ratio Lower Upper
 248 100
 250 196.4 76.9 115.3#
 141 669.5 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: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF102860.D

Acq: 8 Feb 2018 17:07

Instrument :

BNA_F

ClientSampleId :

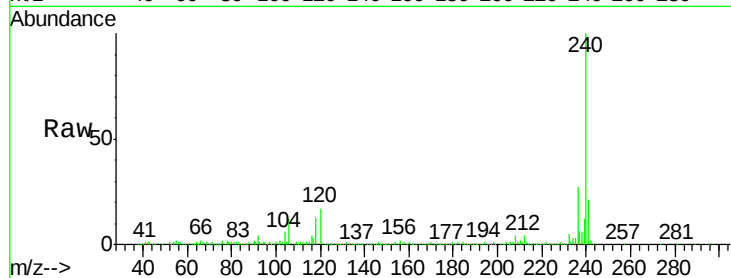
Tot Ion:240 Resp: 348504

Ion Ratio Lower Upper

240 100

120 17.0 9.5 14.3#

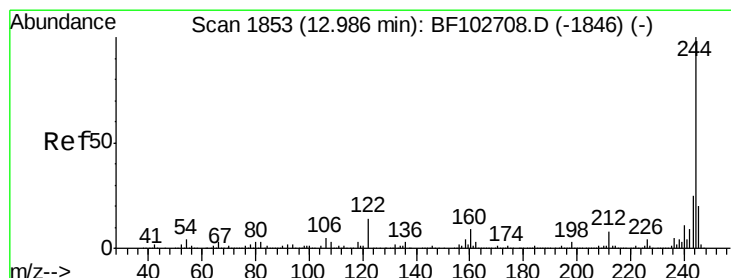
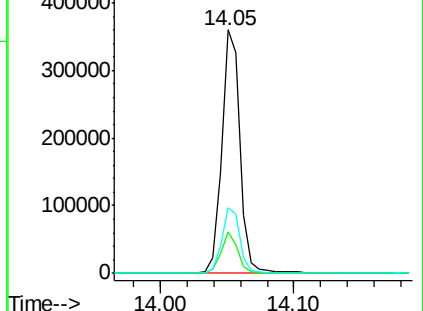
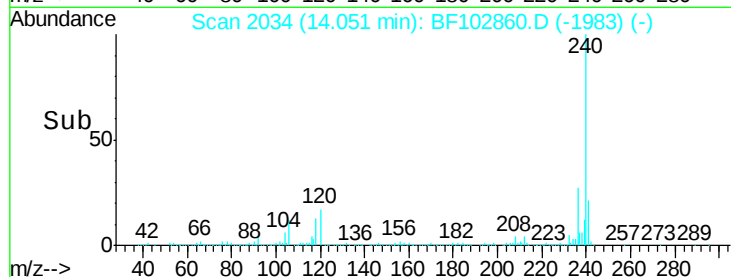
236 27.0 20.7 31.1



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: 42.191 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF102860.D

Acq: 8 Feb 2018 17:07

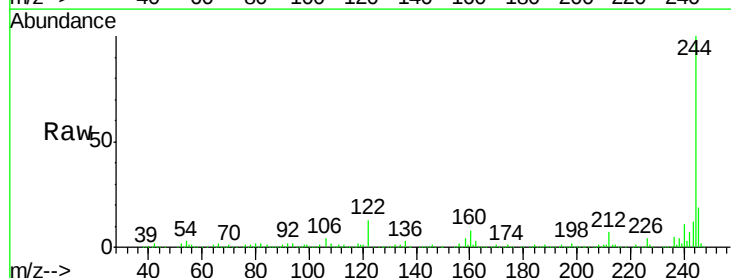
Tgt Ion:244 Resp: 620996

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

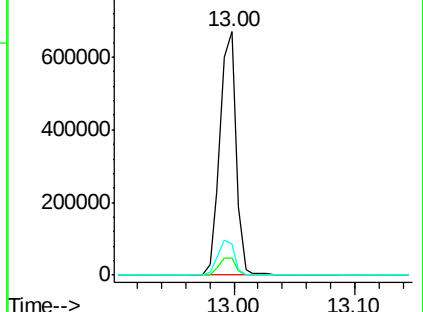
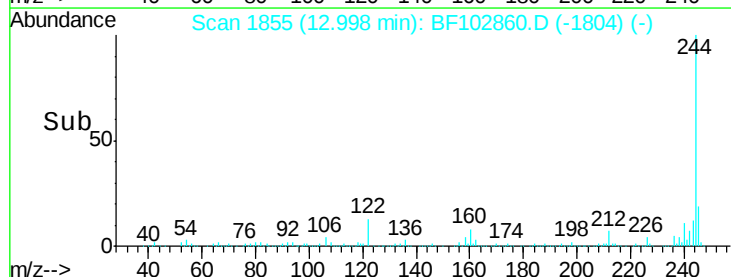
122 12.7 11.0 16.4

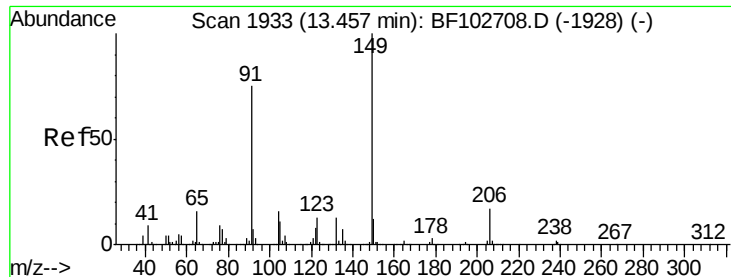


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 3.458 ng

RT: 13.47 min Scan# 1935

Delta R.T. -0.00 min

Lab File: BF102860.D

Acq: 8 Feb 2018 17:07

Instrument :

BNA_F

ClientSampled :

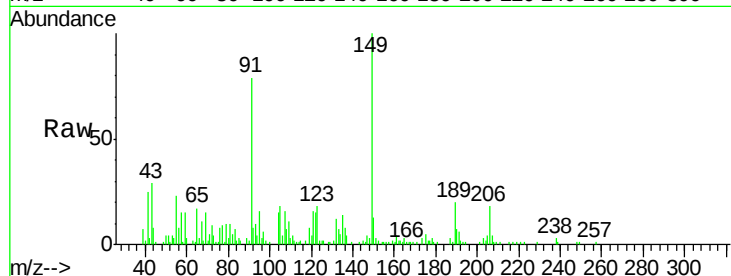
Tot Ion:149 Resp: 32495

Ion Ratio Lower Upper

149 100

91 78.7 56.8 85.2

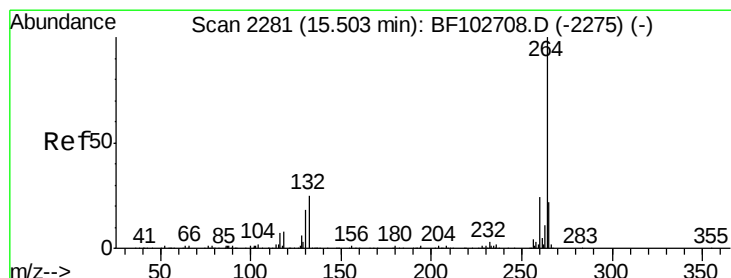
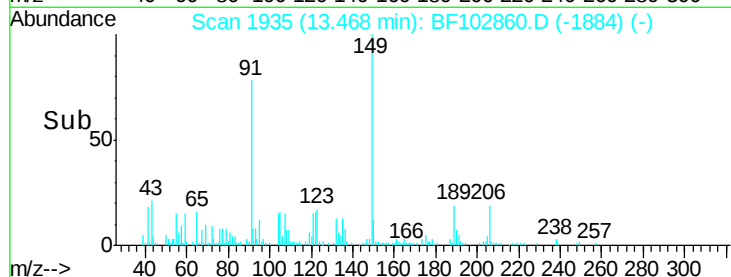
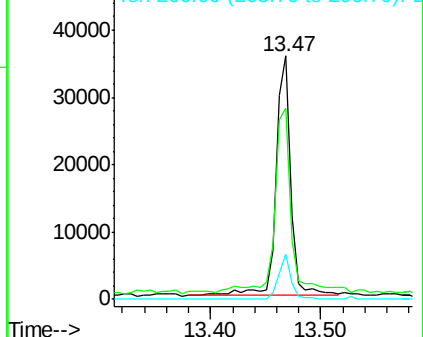
206 18.4 14.1 21.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF102860.D

Acq: 8 Feb 2018 17:07

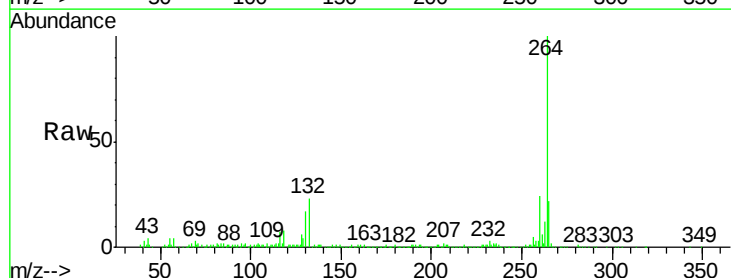
Tgt Ion:264 Resp: 302074

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

265 22.4 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

