

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
 Data File : BF102961.D
 Acq On : 13 Feb 2018 15:03
 Operator : SJ/JU
 Sample : J1397-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 14 00:06:09 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 00:38:27 2018
 Response via : Initial Calibration

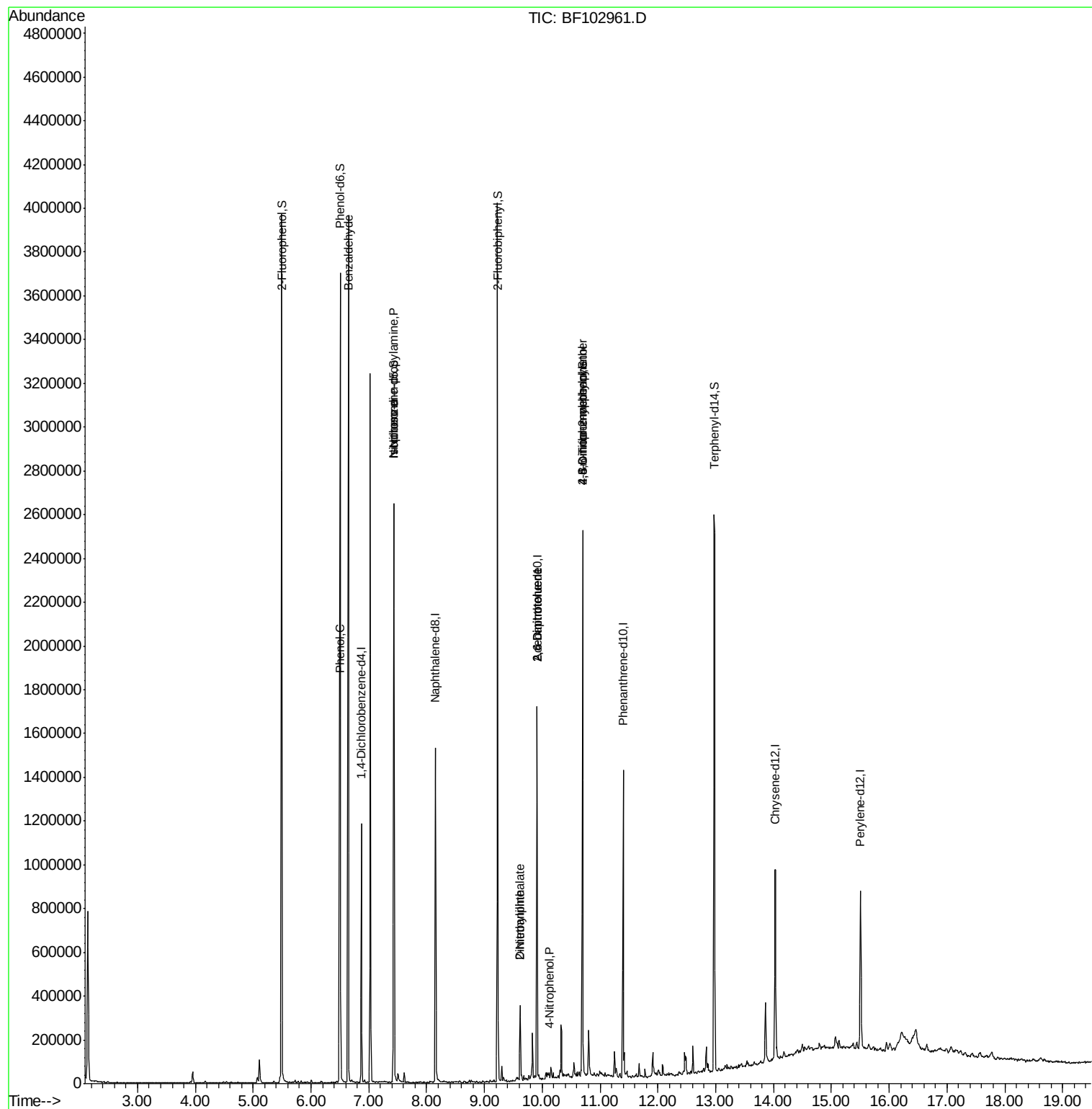
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	162673	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	702907	20.00	ng	-0.01
38) Acenaphthene-d10	9.91	164	317550	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	515415	20.00	ng	0.00
75) Chrysene-d12	14.03	240	295549	20.00	ng	0.00
86) Perylene-d12	15.50	264	305705	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1134667	105.93	ng	0.00
7) Phenol-d6	6.50	99	1376485	106.73	ng	0.00
23) Nitrobenzene-d5	7.43	82	891745	88.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	277784	108.68	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1269430	66.33	ng	-0.01
78) Terphenyl-d14	12.98	244	871419	69.81	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.65	77	25452	2.66	ng	84
10) Phenol	6.52	94	95050	6.88	ng	99
19) n-Nitroso-di-n-propylamine	7.43	70	119691	14.08	ng	# 81
25) Isophorone	7.43	82	891737	38.22	ng	# 64
47) 2-Nitroaniline	9.62	65	1432	3.68	ng	# 1
49) Dimethylphthalate	9.62	163	117559	4.75	ng	99
50) 2,6-Dinitrotoluene	9.91	165	41116	8.73	ng	# 26
55) 4-Nitrophenol	10.12	139	676	4.16	ng	# 41
56) 2,4-Dinitrotoluene	9.91	165	41116	9.17	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	800	9.14	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	17787	3.26	ng	# 1

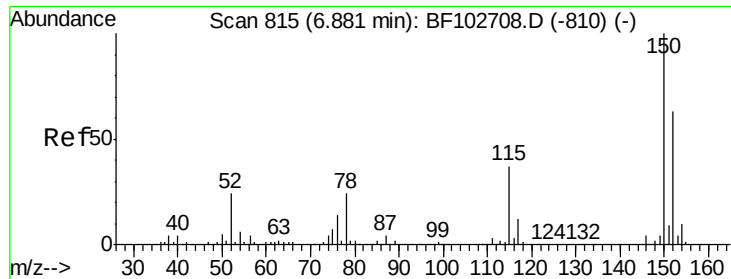
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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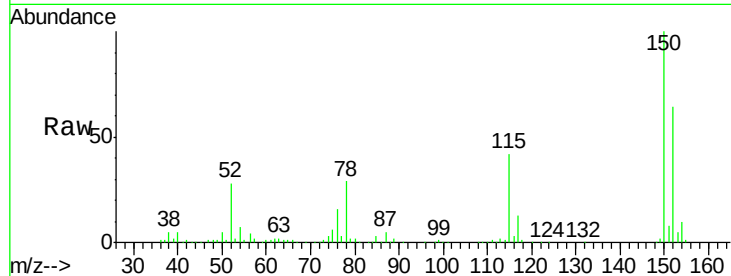


#1

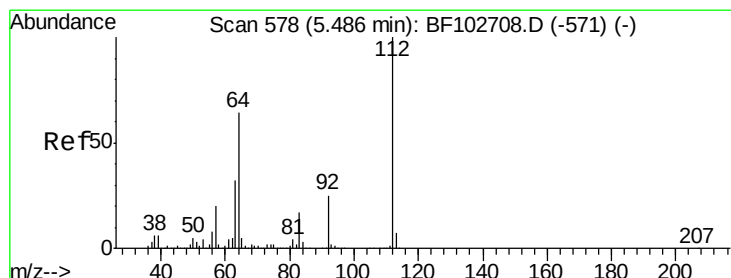
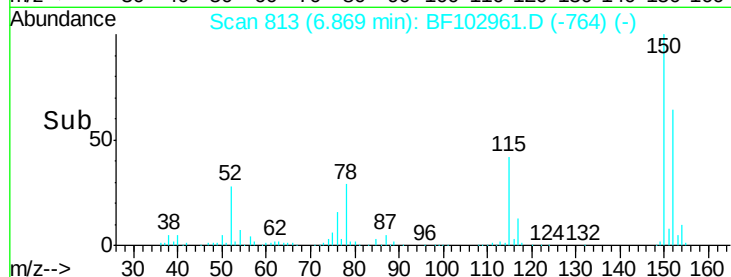
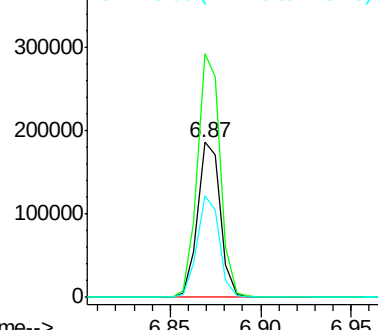
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF102961.D
Acq: 13 Feb 2018 15:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 162673
Ion Ratio Lower Upper
152 100
150 157.1 124.6 186.8
115 65.7 50.1 75.1



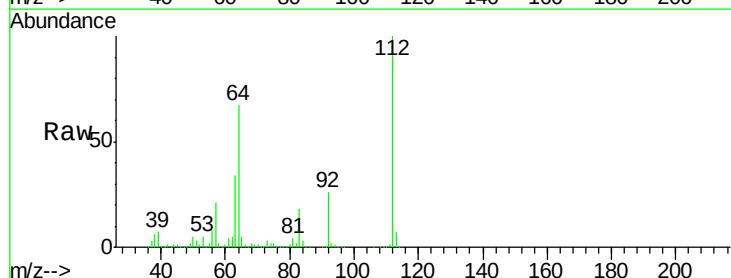
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



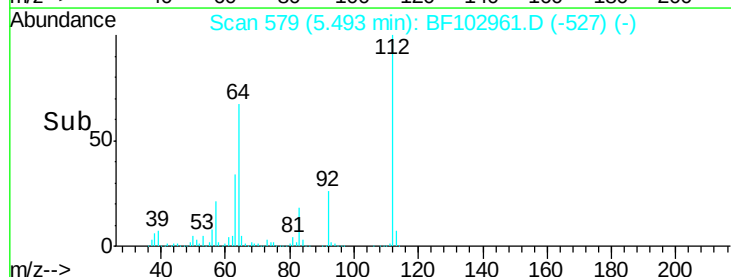
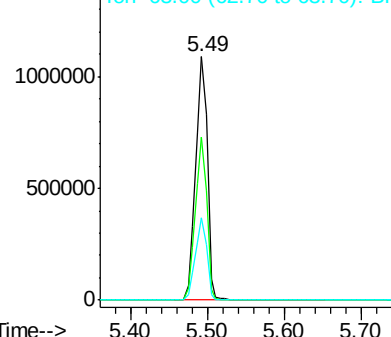
#5

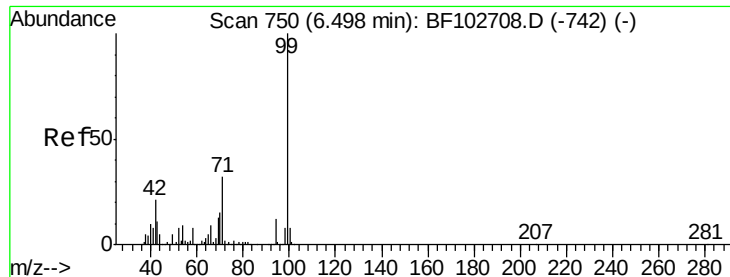
2-Fluorophenol
Concen: 105.93 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF102961.D
Acq: 13 Feb 2018 15:03

Tgt Ion:112 Resp: 1134667
Ion Ratio Lower Upper
112 100
64 66.9 47.9 71.9
63 34.0 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: 106.73 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF102961.D

Acq: 13 Feb 2018 15:03

Instrument :

BNA_F

ClientSampleId :

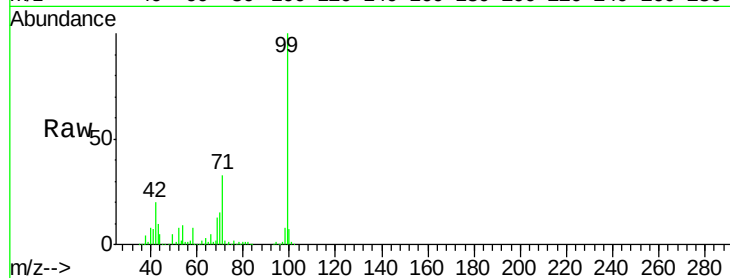
Tot Ion: 99 Resp: 1376485

Ion Ratio Lower Upper

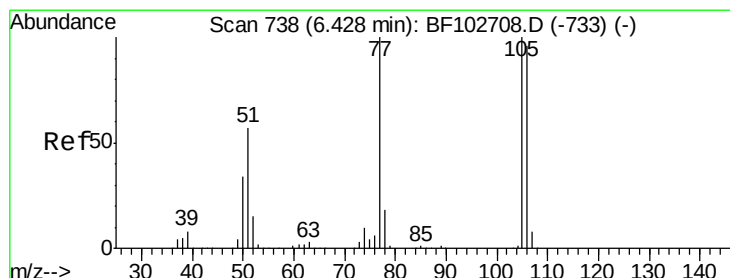
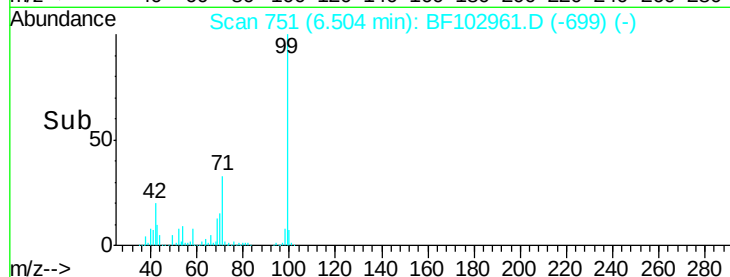
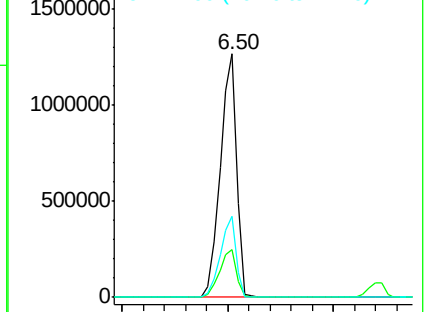
99 100

42 19.6 14.5 21.7

71 33.4 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: 2.66 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.22 min

Lab File: BF102961.D

Acq: 13 Feb 2018 15:03

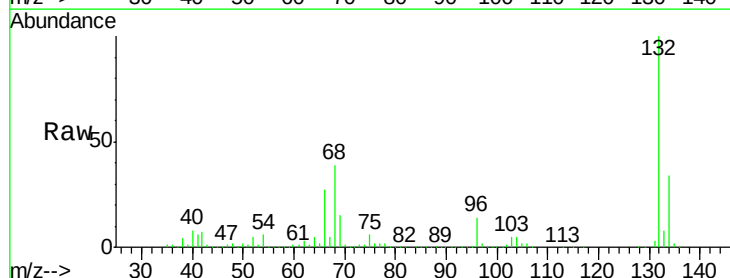
Tgt Ion: 77 Resp: 25452

Ion Ratio Lower Upper

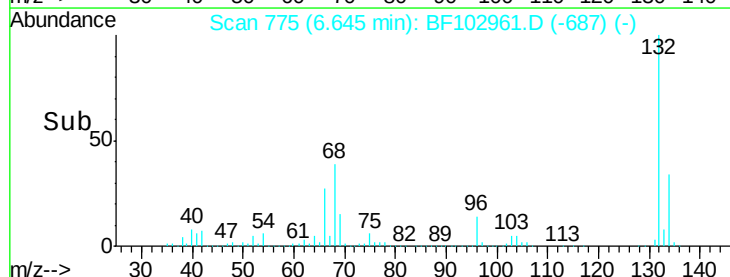
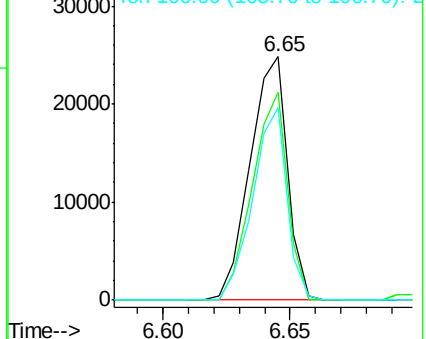
77 100

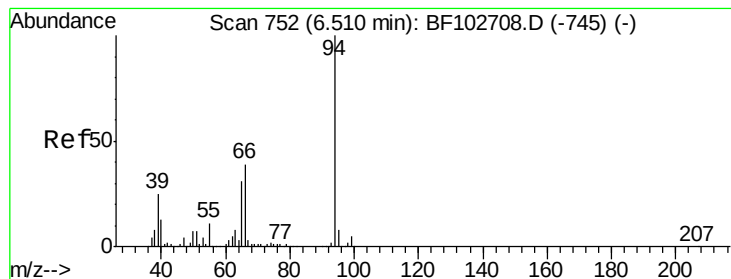
105 85.3 81.1 121.1

106 78.8 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: 6.88 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102961.D

Acq: 13 Feb 2018 15:03

Instrument :

BNA_F

ClientSampled :

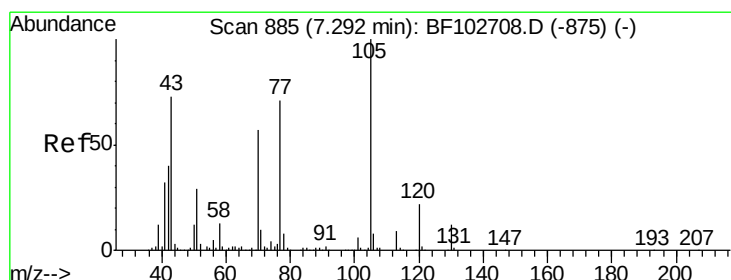
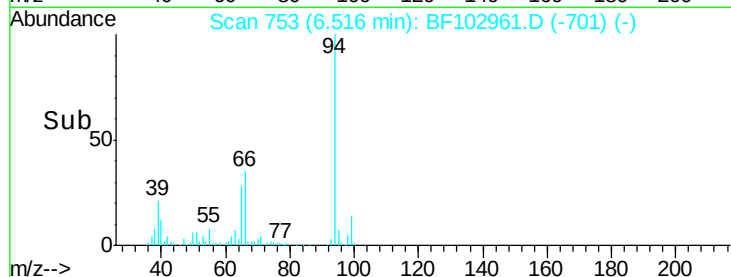
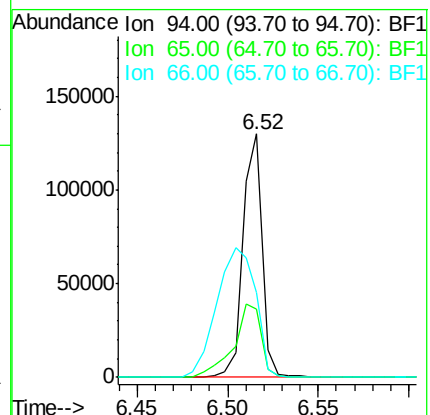
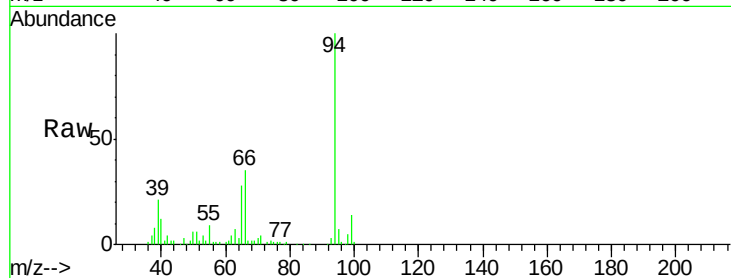
Tot Ion: 94 Resp: 95050

Ion Ratio Lower Upper

94 100

65 28.0 7.9 47.9

66 35.1 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.08 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF102961.D

Acq: 13 Feb 2018 15:03

Tgt Ion: 70 Resp: 119691

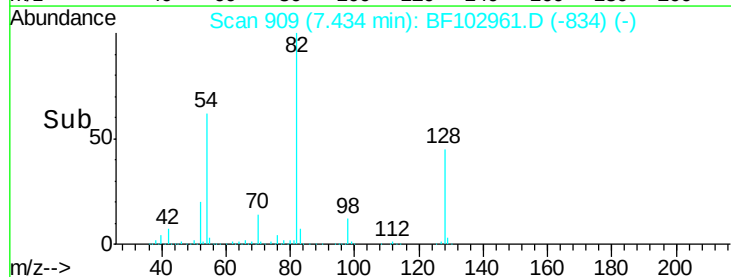
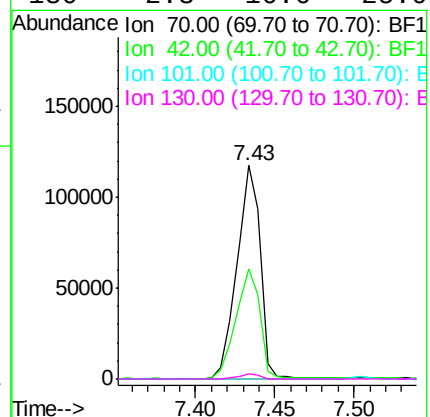
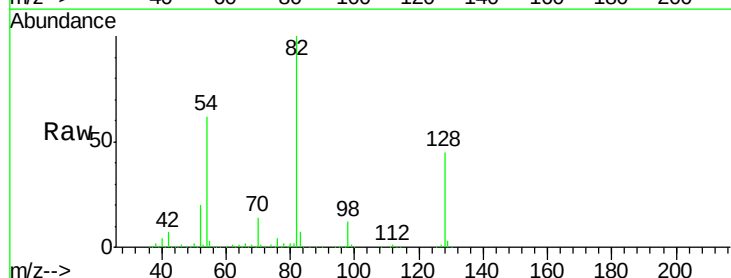
Ion Ratio Lower Upper

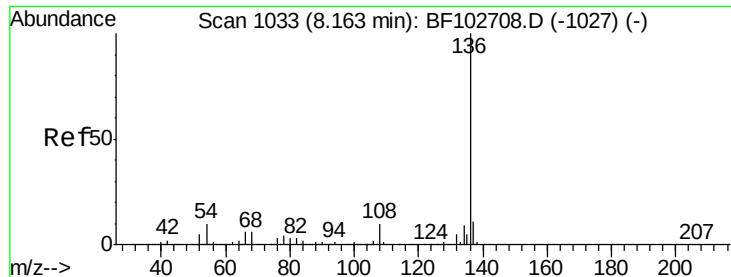
70 100

42 51.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF102961.D

Acq: 13 Feb 2018 15:03

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 702907

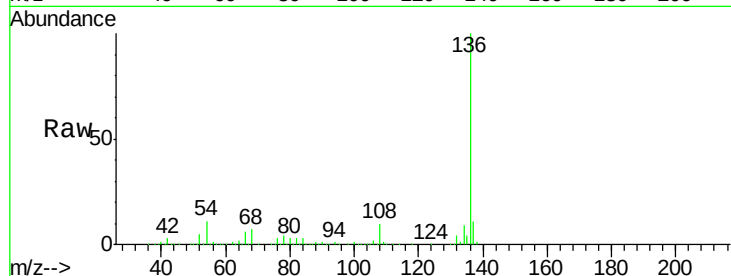
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 10.5 6.6 9.8#

68 7.2 5.0 7.4

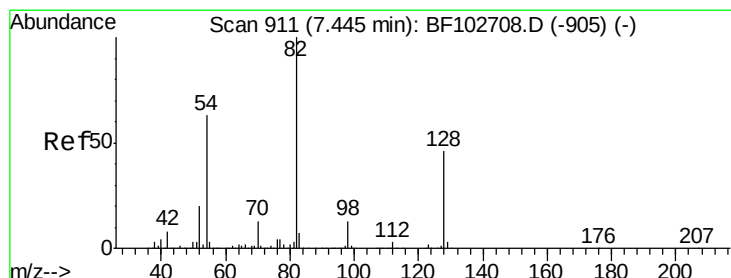
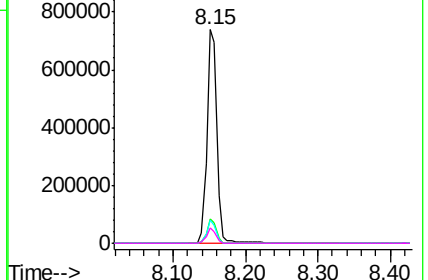
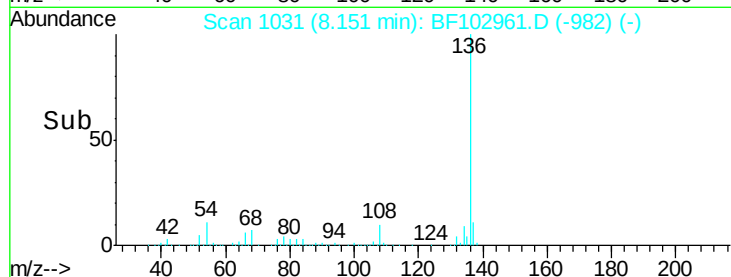


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.01 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF102961.D

Acq: 13 Feb 2018 15:03

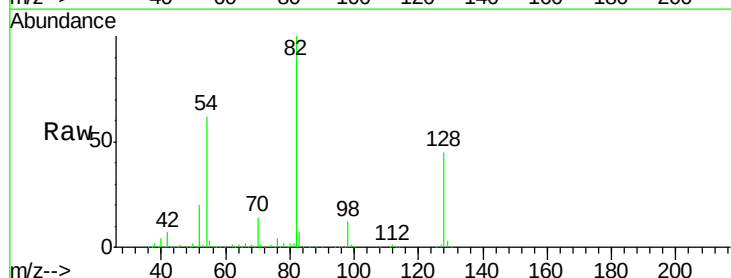
Tgt Ion: 82 Resp: 891745

Ion Ratio Lower Upper

82 100

128 45.4 36.1 54.1

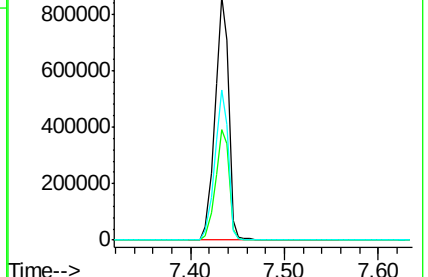
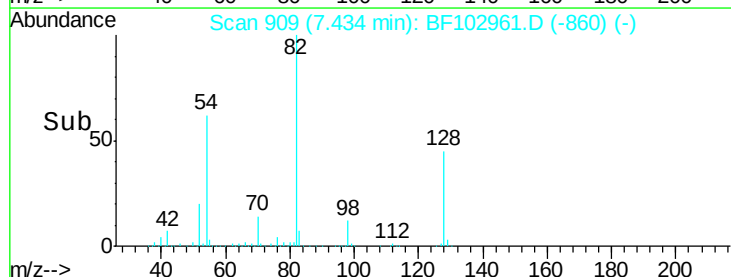
54 61.6 41.4 62.2

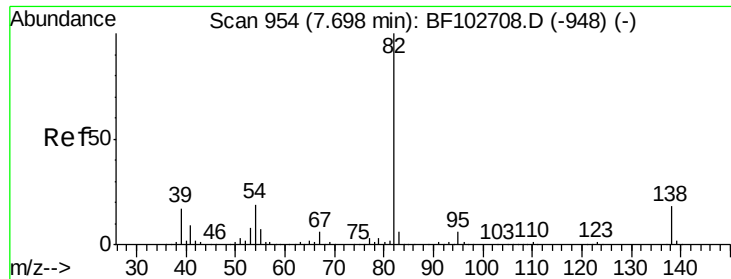


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

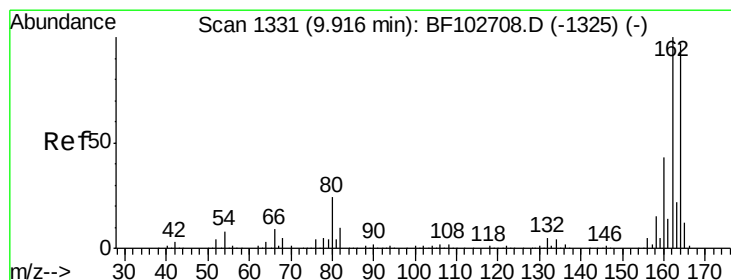
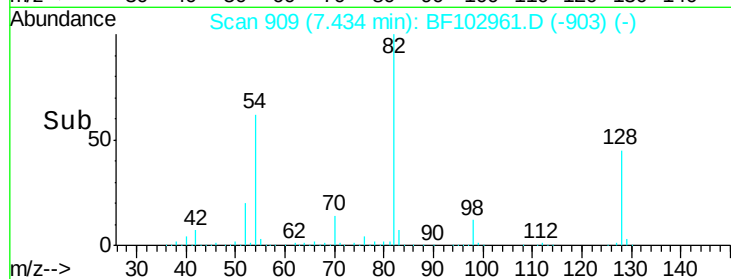
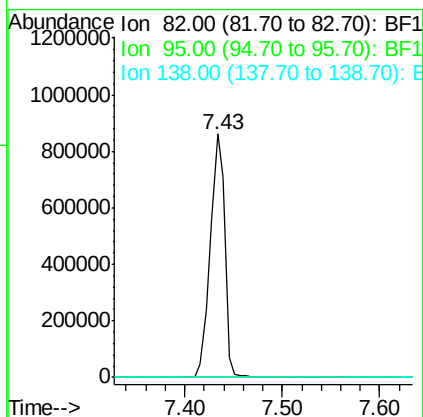
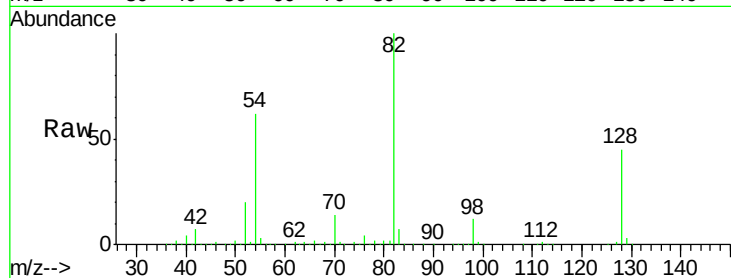




#25
Isophorone
Concen: 38.22 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.26 min
Lab File: BF102961.D
Acq: 13 Feb 2018 15:03

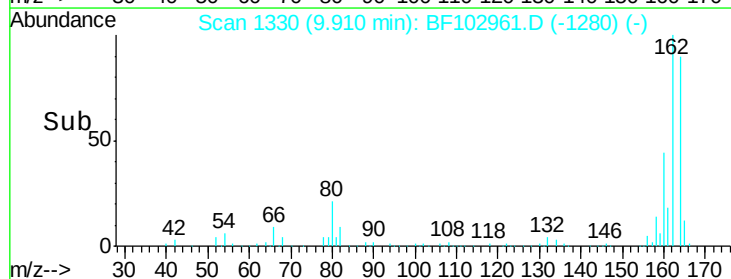
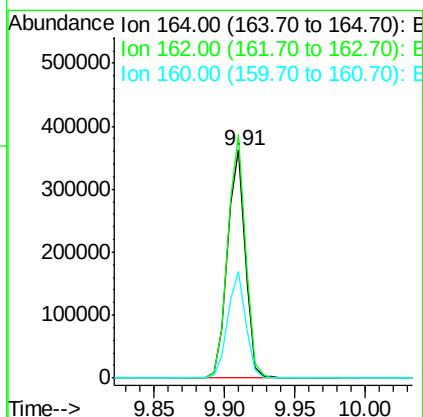
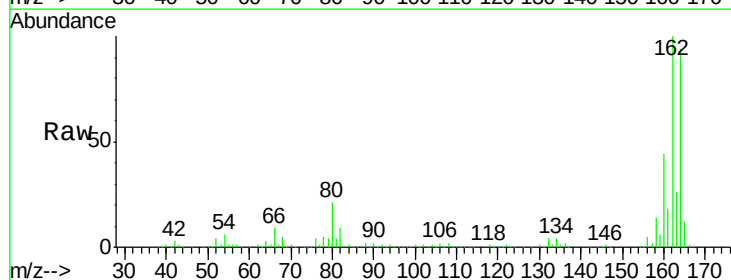
Instrument :
BNA_F
ClientSampleID :

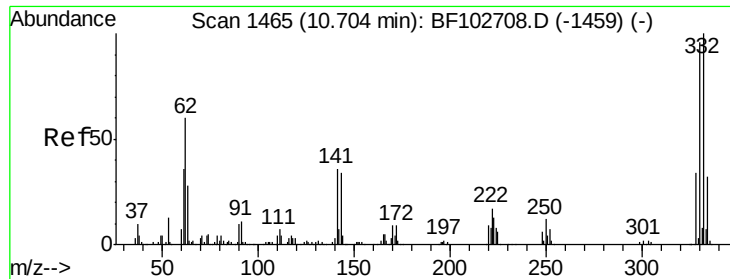
Tot Ion: 82 Resp: 891737
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF102961.D
Acq: 13 Feb 2018 15:03

Tgt Ion: 164 Resp: 317550
Ion Ratio Lower Upper
164 100
162 106.9 86.1 129.1
160 46.9 38.3 57.5

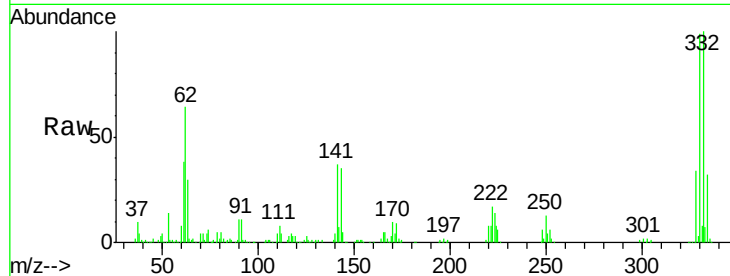




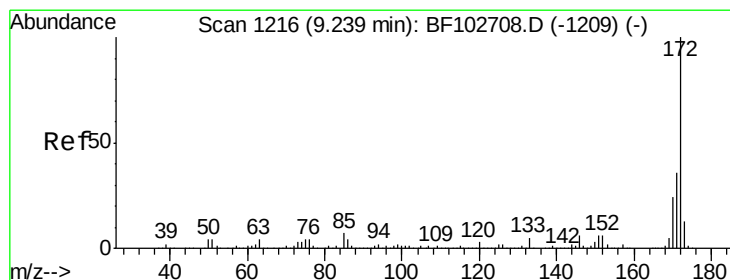
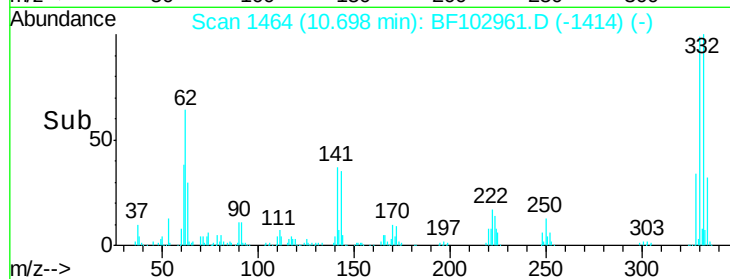
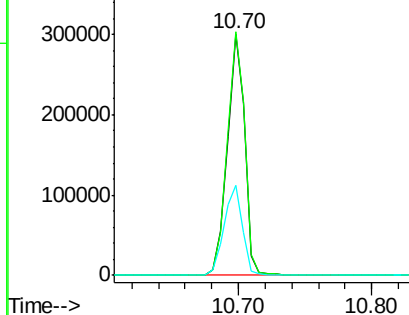
#41
 2,4,6-Tribromophenol
 Concen: 108.68 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF102961.D
 Acq: 13 Feb 2018 15:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.6	77.0	115.6
141	39.6	29.9	44.9

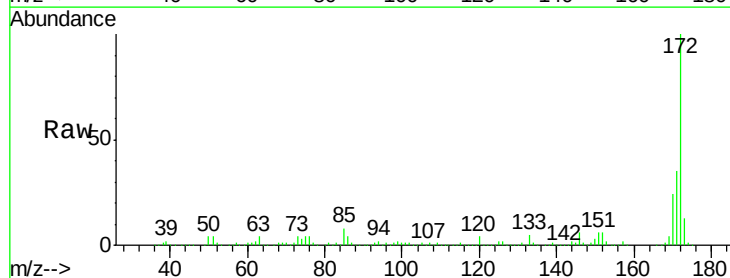


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

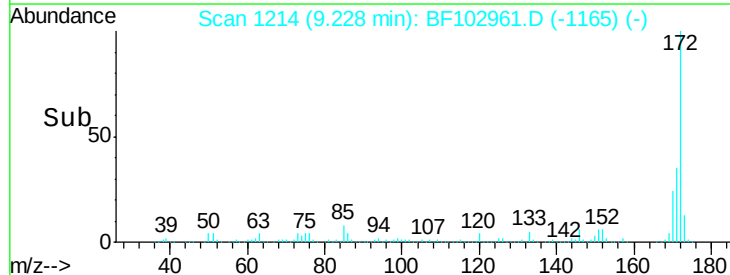
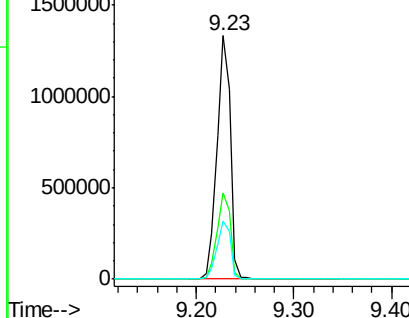


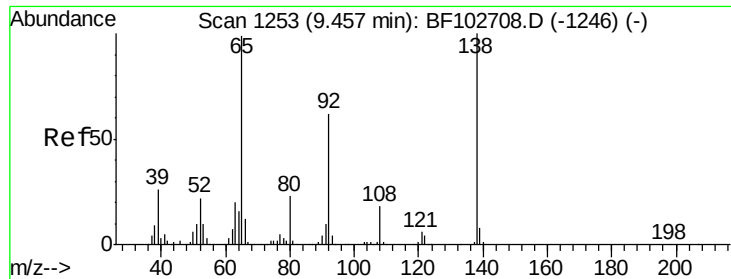
#44
 2-Fluorobiphenyl
 Concen: 66.33 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF102961.D
 Acq: 13 Feb 2018 15:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	24.1	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: 3.68 ng

RT: 9.62 min Scan# 1280

Delta R.T. 0.16 min

Lab File: BF102961.D

Acq: 13 Feb 2018 15:03

Instrument :

BNA_F

ClientSampleId :

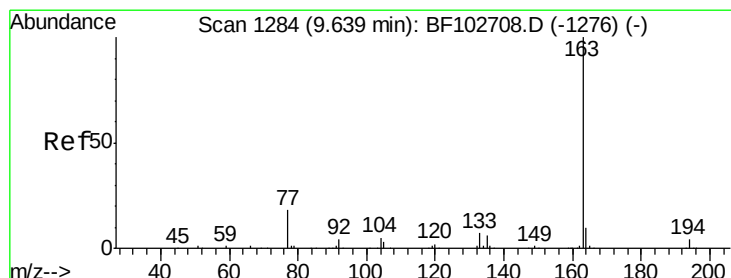
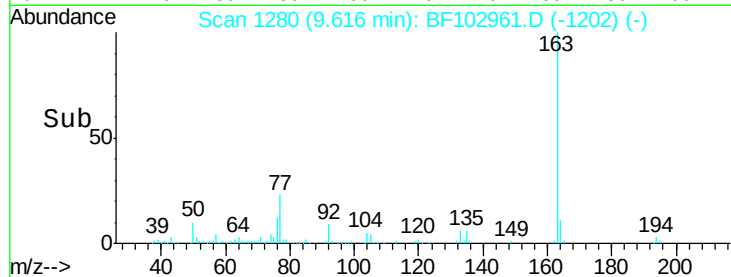
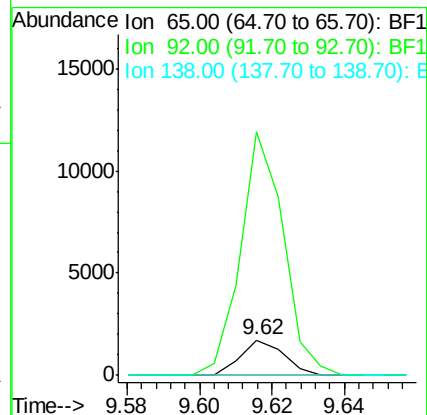
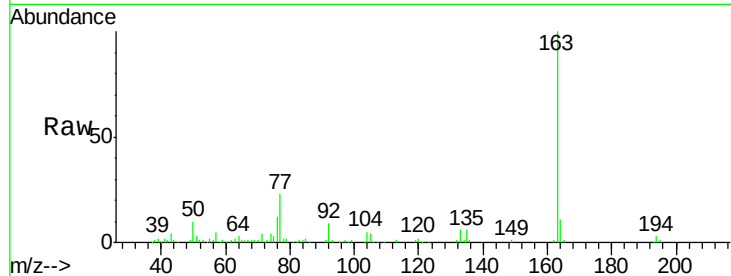
Tot Ion: 65 Resp: 1432

Ion Ratio Lower Upper

65 100

92 691.6 55.8 83.6#

138 0.0 91.2 136.8#



#49

Dimethylphthalate

Concen: 4.75 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.02 min

Lab File: BF102961.D

Acq: 13 Feb 2018 15:03

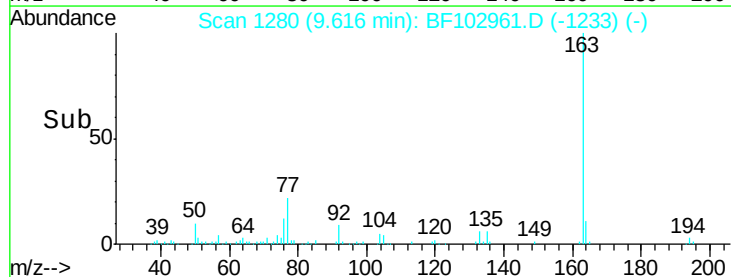
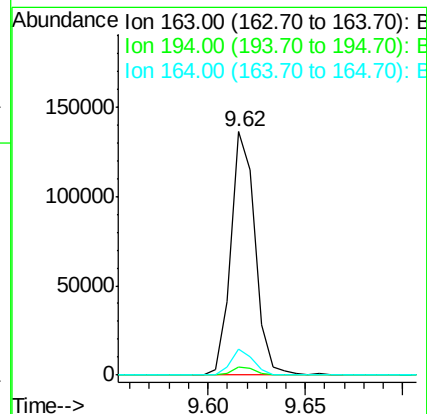
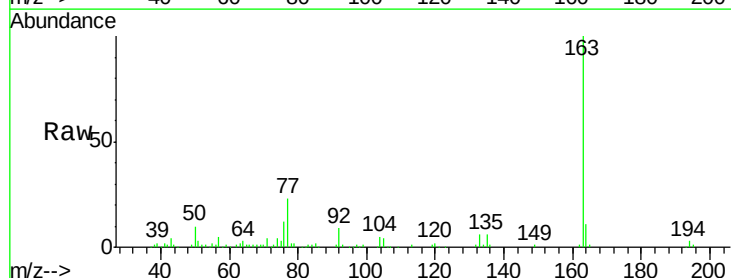
Tgt Ion: 163 Resp: 117559

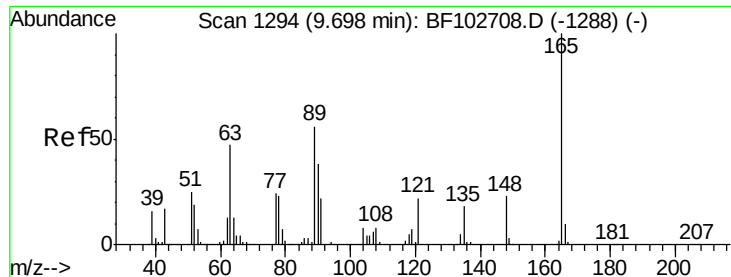
Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

164 10.8 8.2 12.2

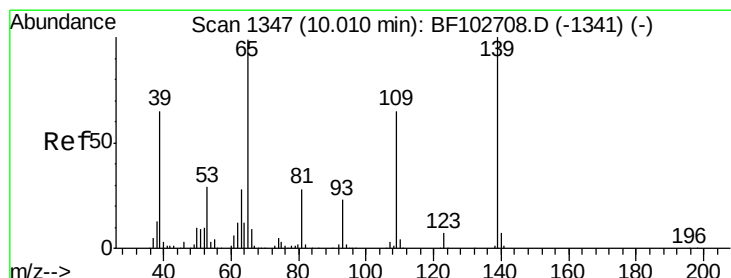
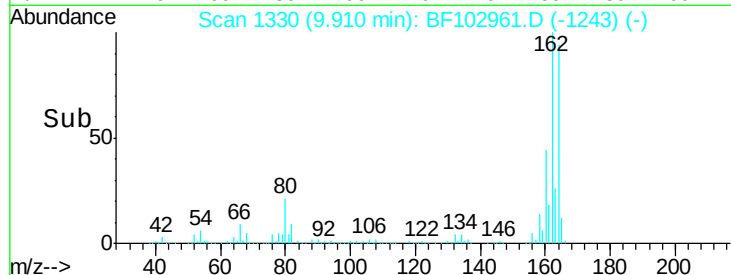
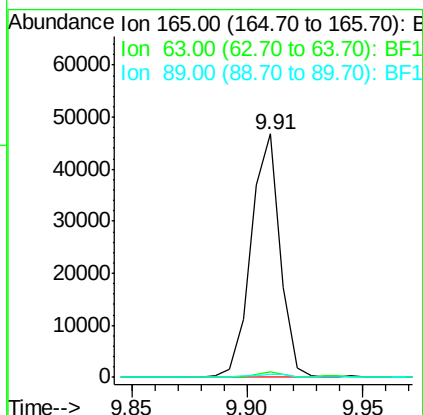
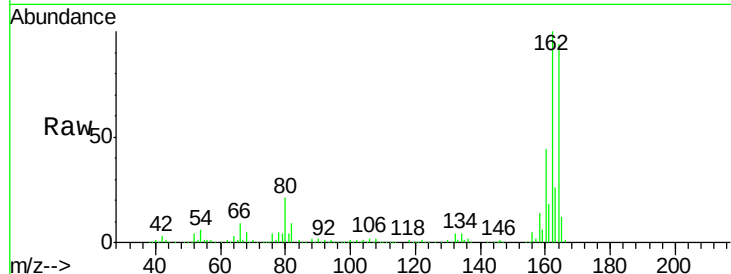




#50
 2,6-Dinitrotoluene
 Concen: 8.73 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.21 min
 Lab File: BF102961.D
 Acq: 13 Feb 2018 15:03

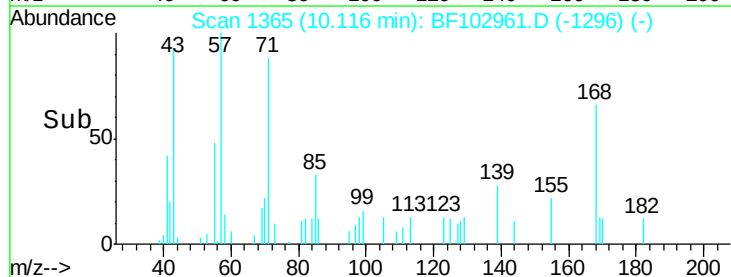
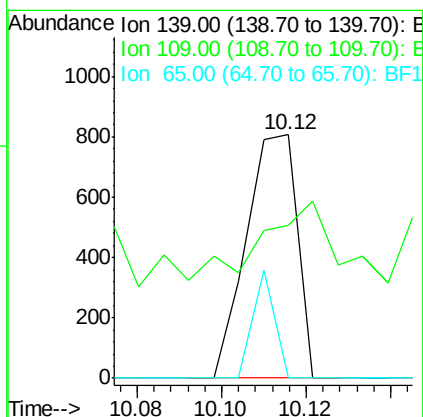
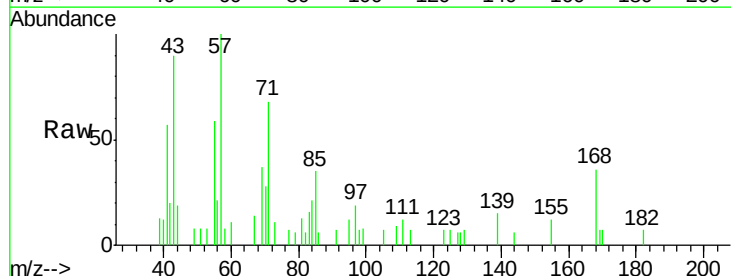
Instrument :
 BNA_F
 ClientSampleId :

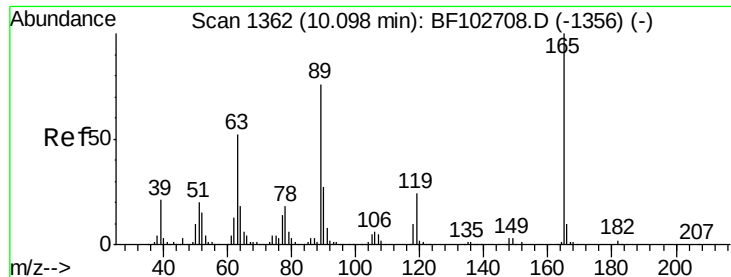
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	44.7	67.1#
89	1.1	44.0	66.0#



#55
 4-Nitrophenol
 Concen: 4.16 ng
 RT: 10.12 min Scan# 1365
 Delta R.T. 0.11 min
 Lab File: BF102961.D
 Acq: 13 Feb 2018 15:03

Tgt Ion	Ratio	Lower	Upper
139	100		
109	62.8	48.4	88.4
65	0.0	72.6	112.6#

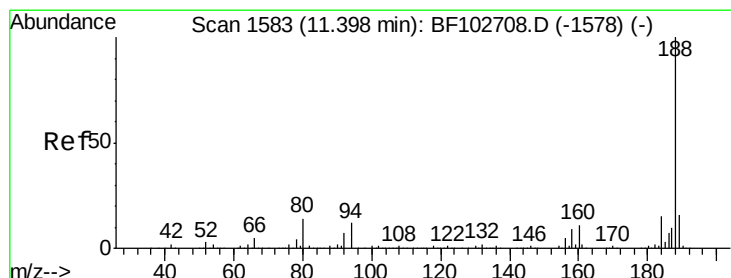
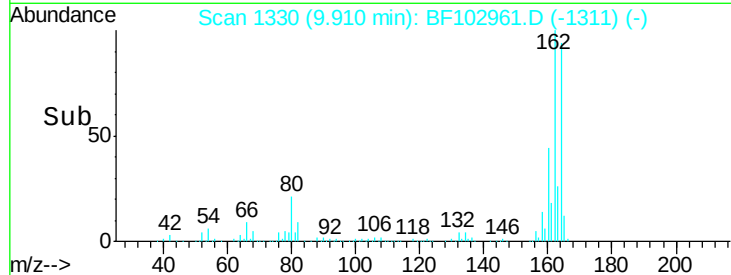
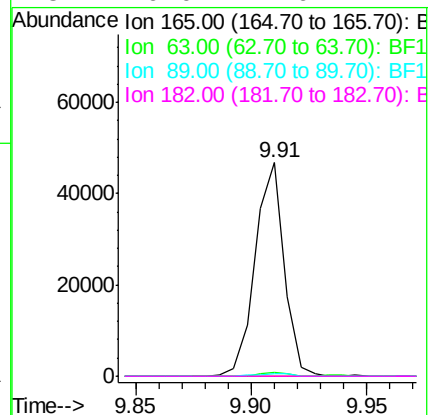
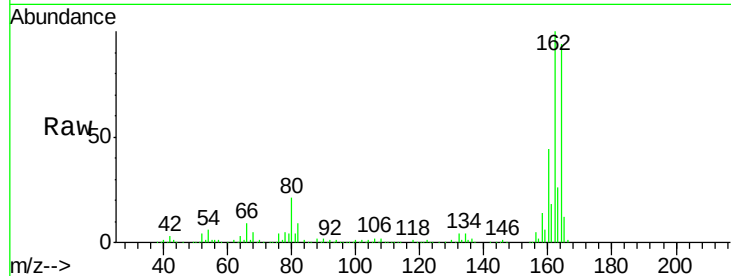




#56
 2,4-Dinitrotoluene
 Concen: 9.17 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.19 min
 Lab File: BF102961.D
 Acq: 13 Feb 2018 15:03

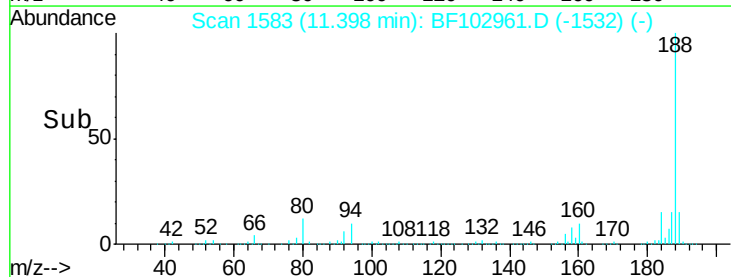
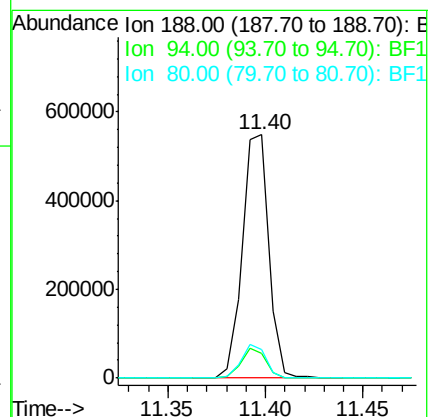
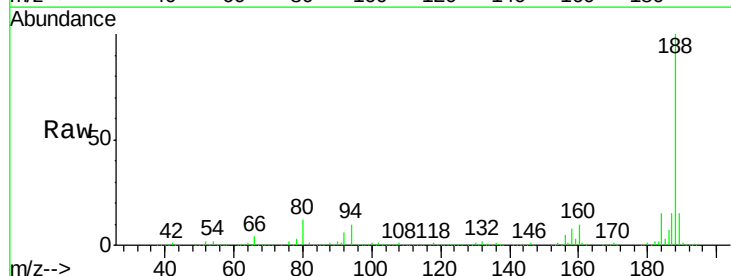
Instrument :
 BNA_F
 ClientSampleId :

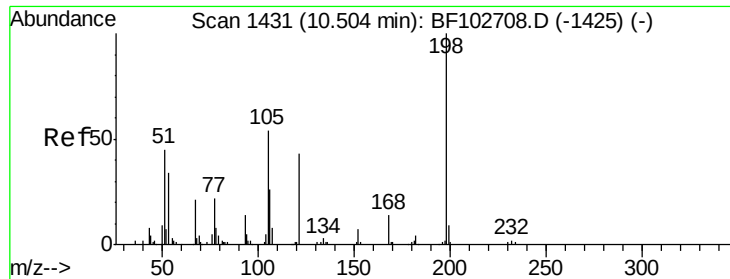
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	36.4	54.6#
89	1.1	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: BF102961.D
 Acq: 13 Feb 2018 15:03

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	11.7	9.2	13.8

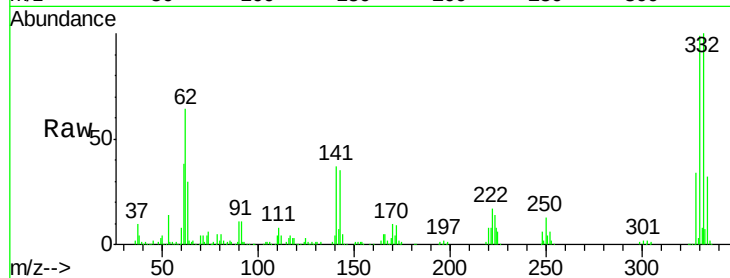




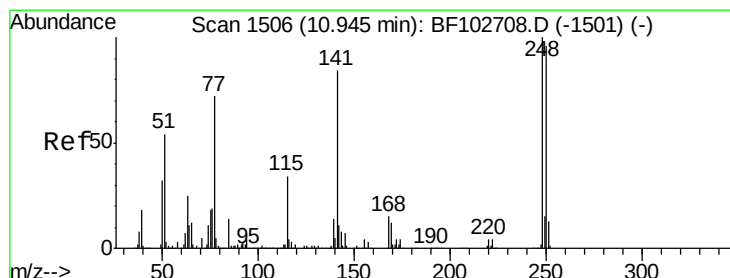
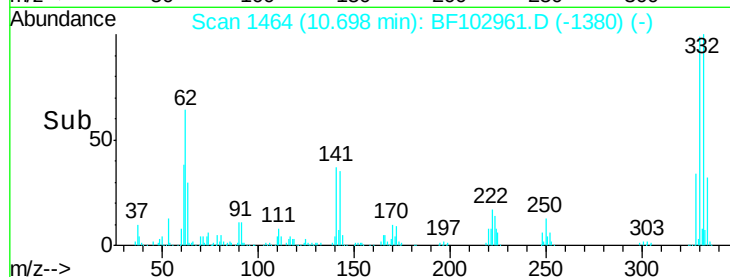
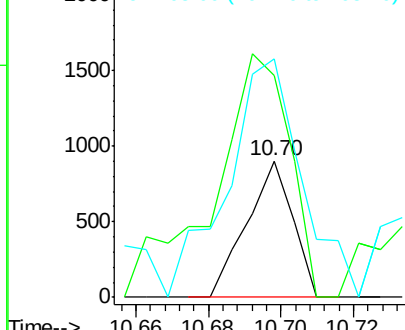
#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.14 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.20 min
 Lab File: BF102961.D
 Acq: 13 Feb 2018 15:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 800
 Ion Ratio Lower Upper
 198 100
 51 162.0 37.7 77.7#
 105 174.2 36.3 76.3#

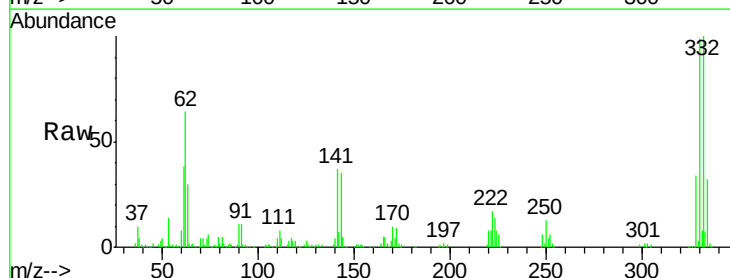


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

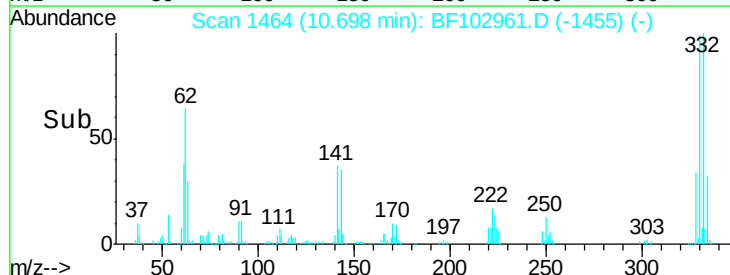
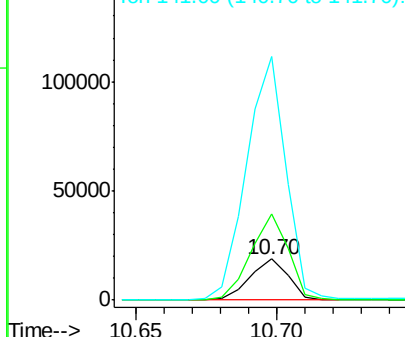


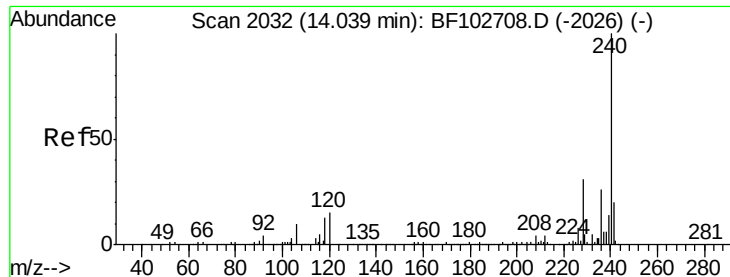
#66
 4-Bromophenyl-phenylether
 Concen: 3.26 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.25 min
 Lab File: BF102961.D
 Acq: 13 Feb 2018 15:03

Tgt Ion:248 Resp: 17787
 Ion Ratio Lower Upper
 248 100
 250 209.1 76.9 115.3#
 141 591.4 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: 20.00 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF102961.D

Acq: 13 Feb 2018 15:03

Instrument :

BNA_F

ClientSampleId :

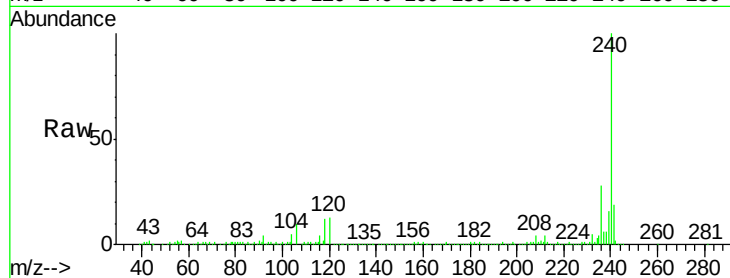
Tot Ion:240 Resp: 295549

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

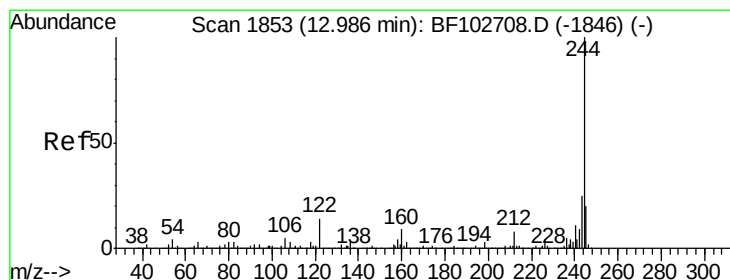
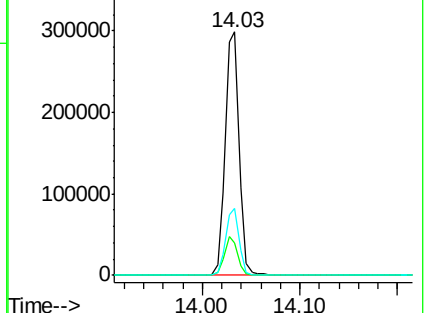
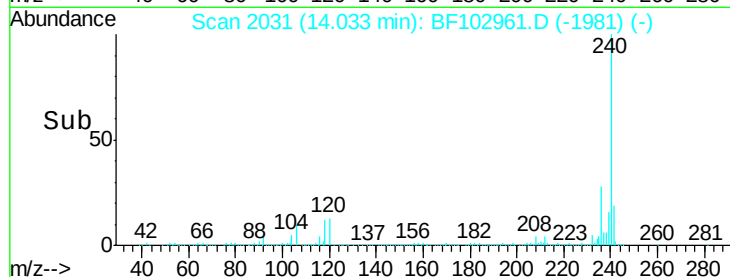
236 27.7 20.7 31.1



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: 69.81 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF102961.D

Acq: 13 Feb 2018 15:03

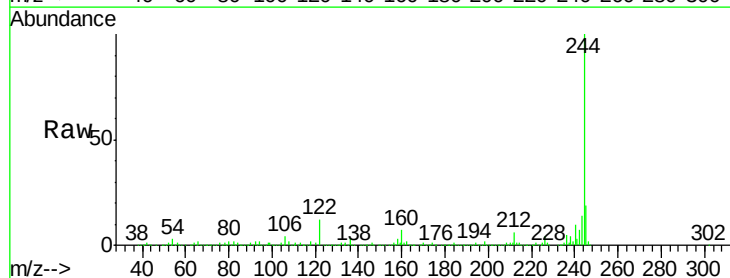
Tgt Ion:244 Resp: 871419

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

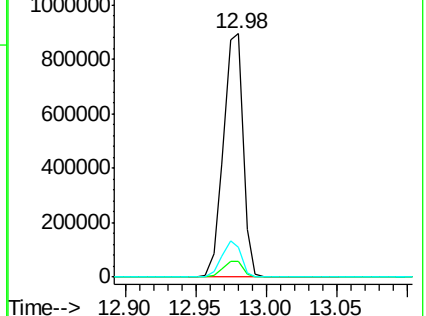
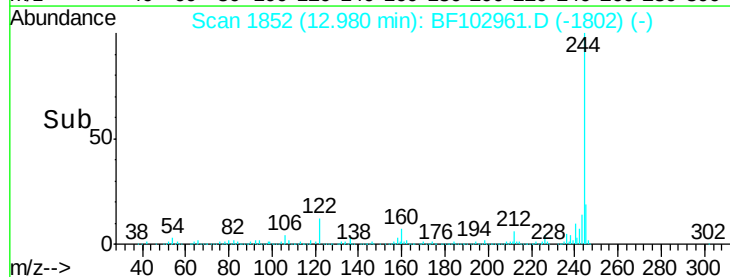
122 12.4 11.0 16.4

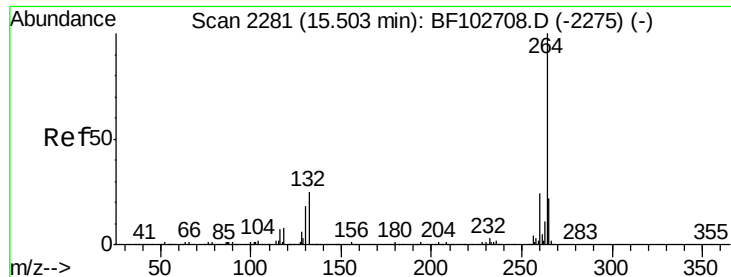


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.00 min
Lab File: BF102961.D
Acq: 13 Feb 2018 15:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.2	28.8
265	21.4	17.5	26.3

