

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
 Data File : BF106523.D
 Acq On : 16 Jun 2018 6:03
 Operator : JU/SJ
 Sample : J3467-05 2X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 16 06:52:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 15 11:11:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	103738	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	367428	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	149107	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	283541	20.00	ng	0.00
75) Chrysene-d12	14.15	240	277749	20.00	ng	0.00
86) Perylene-d12	15.68	264	190843	20.00	ng	0.00

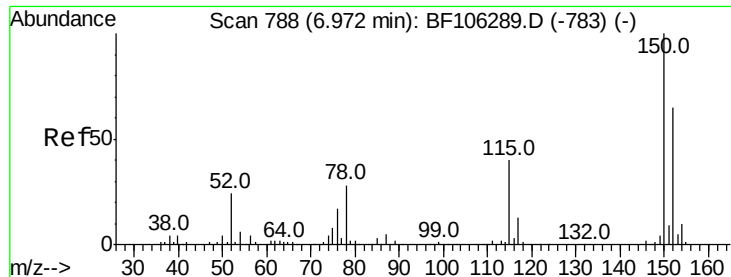
System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	164293	26.80	ng	0.00
7) Phenol-d6	6.61	99	137797	17.79	ng	0.00
23) Nitrobenzene-d5	7.52	82	324571	51.97	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	114424	79.76	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	563447	60.94	ng	0.00
78) Terphenyl-d14	13.08	244	635155	56.80	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.52	77	55631	9.471	ng	# 1
18) Hexachloroethane	7.50	117	26637	9.496	ng	# 1
19) n-Nitroso-di-n-propylamine	7.52	70	42871	7.379	ng	# 75
22) Acetophenone	7.35	105	51671	5.580	ng	# 57
25) Isophorone	7.52	82	324376	26.590	ng	# 64
31) Naphthalene	8.27	128	725039	43.652	ng	# 99
32) Benzoic acid	8.02	122	1217	7.560	ng	# 32
33) 4-Chloroaniline	8.27	127	98309	13.356	ng	# 33
37) 2-Methylnaphthalene	8.96	142	147624	13.049	ng	# 99
50) 2,6-Dinitrotoluene	10.01	165	19342	8.889	ng	# 26
56) 2,4-Dinitrotoluene	10.01	165	19342	7.078	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.80	198	215	6.417	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	7692	2.385	ng	# 1

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

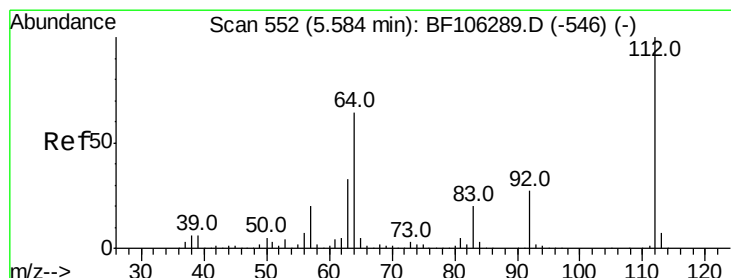
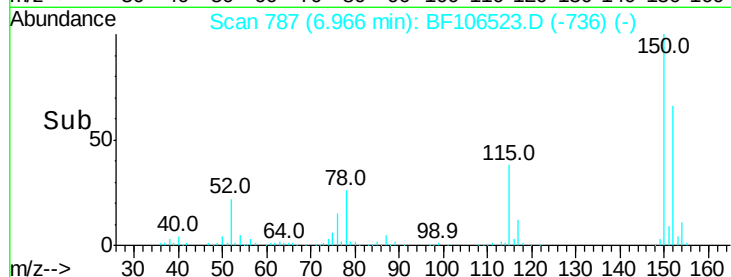
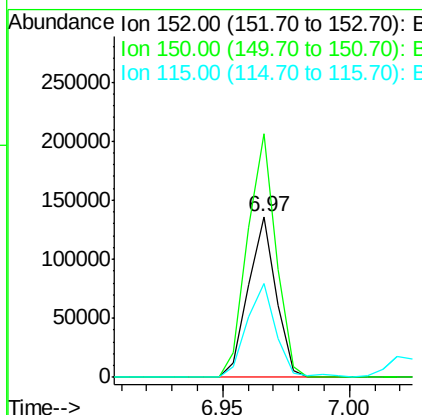
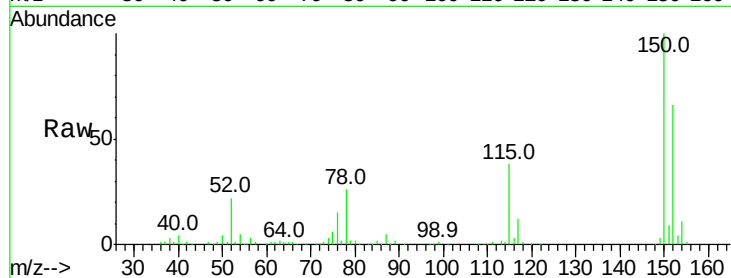


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: BF106523.D
 Acq: 16 Jun 2018 6:03

Instrument :
 BNA_F
 ClientSampleId :

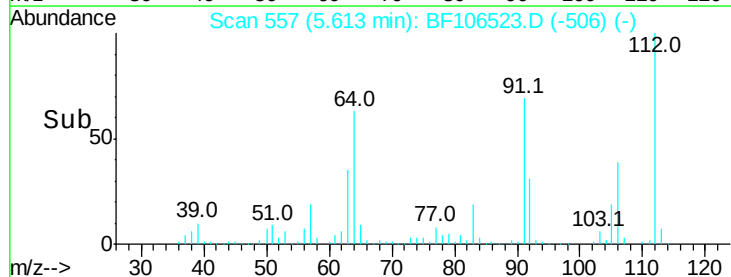
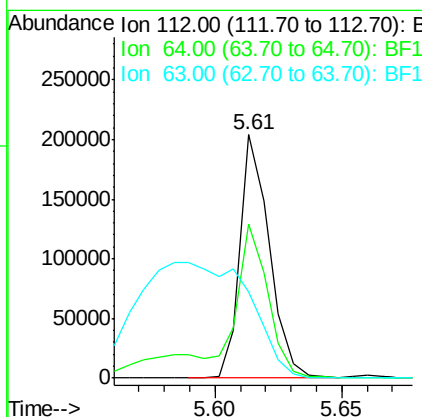
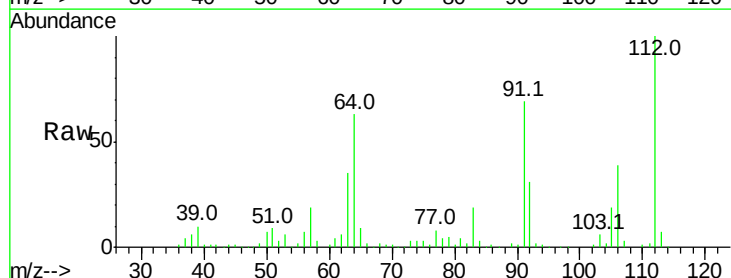
Tot Ion:152 Resp: 103738
 Ion Ratio Lower Upper
 152 100
 150 151.5 124.6 186.8
 115 58.3 50.1 75.1

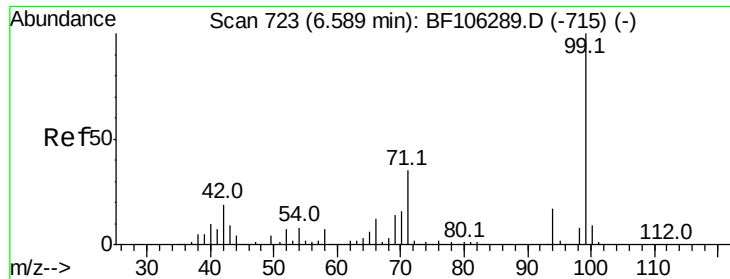


#5

2-Fluorophenol
 Concen: 26.805 ng
 RT: 5.61 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: BF106523.D
 Acq: 16 Jun 2018 6:03

Tgt Ion:112 Resp: 164293
 Ion Ratio Lower Upper
 112 100
 64 63.4 47.9 71.9
 63 35.2 23.7 35.5





#7

Phenol-d6

Concen: 17.795 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106523.D

Acq: 16 Jun 2018 6:03

Instrument :

BNA_F

ClientSampleId :

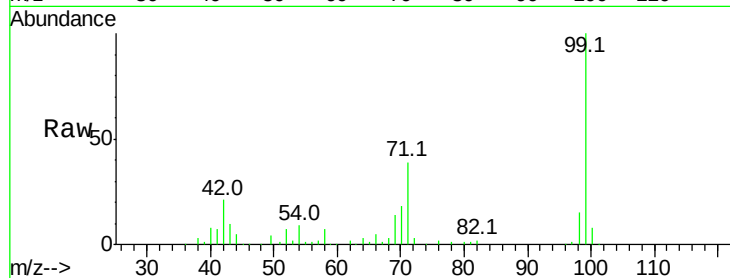
Tot Ion: 99 Resp: 137797

Ion Ratio Lower Upper

99 100

42 21.0 14.5 21.7

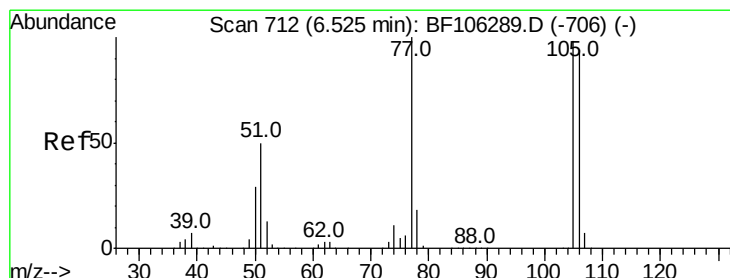
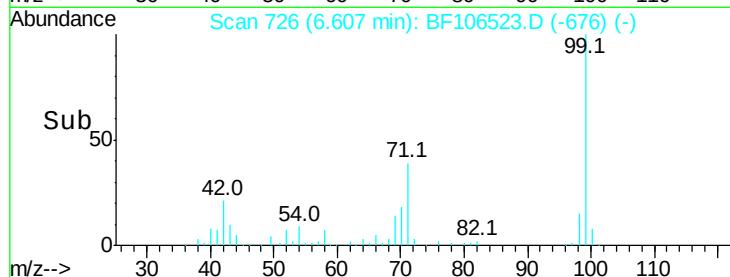
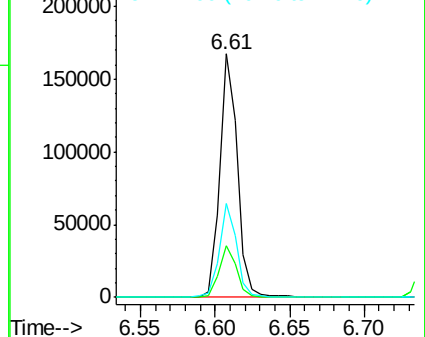
71 38.6 25.4 38.0#



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 9.471 ng

RT: 6.52 min Scan# 712

Delta R.T. 0.00 min

Lab File: BF106523.D

Acq: 16 Jun 2018 6:03

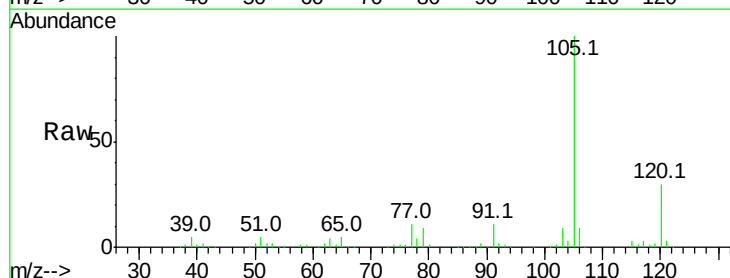
Tgt Ion: 77 Resp: 55631

Ion Ratio Lower Upper

77 100

105 880.0 81.1 121.1#

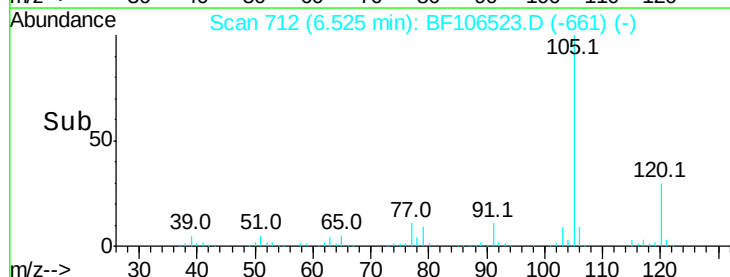
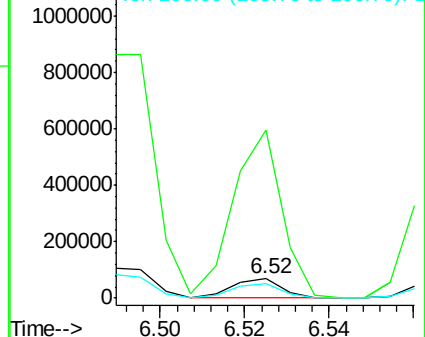
106 77.4 74.5 114.5

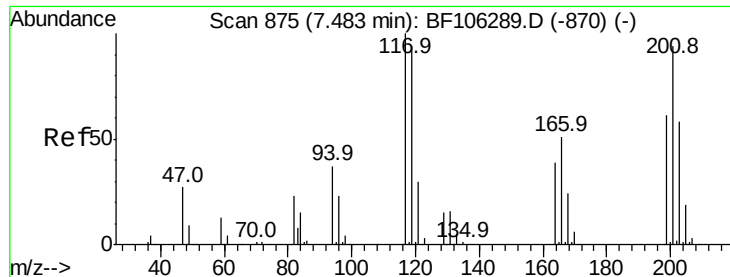


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#18

Hexachloroethane

Concen: 9.496 ng

RT: 7.50 min Scan# 877

Delta R.T. 0.02 min

Lab File: BF106523.D

Acq: 16 Jun 2018 6:03

Instrument :

BNA_F

ClientSampleId :

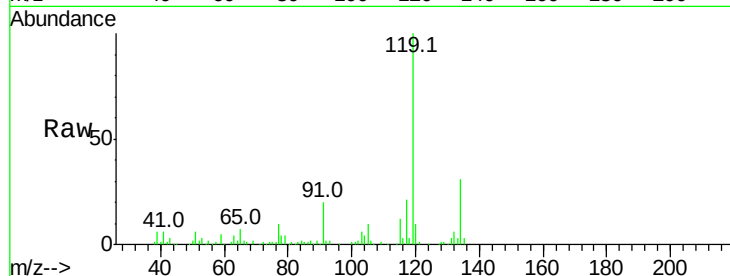
Tot Ion:117 Resp: 26637

Ion Ratio Lower Upper

117 100

119 470.1 75.8 113.8#

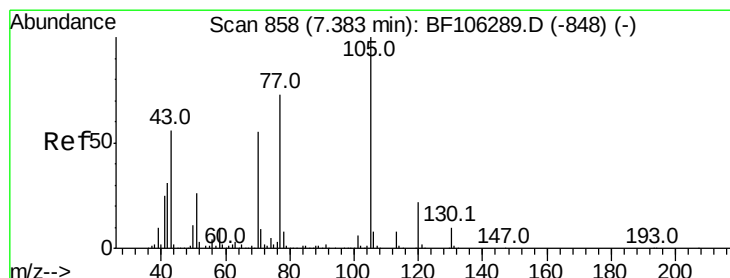
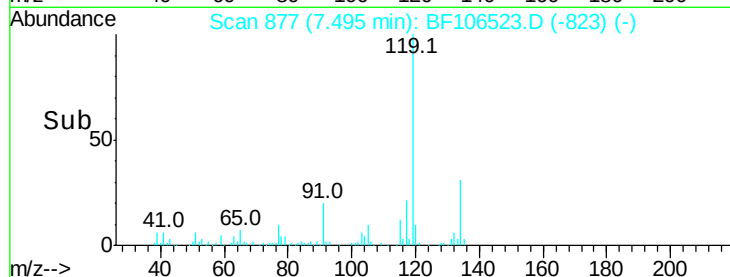
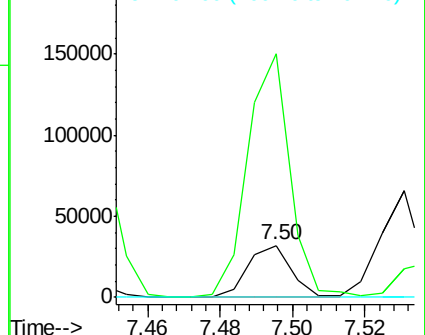
201 0.0 75.7 113.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 7.379 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF106523.D

Acq: 16 Jun 2018 6:03

Tgt Ion: 70 Resp: 42871

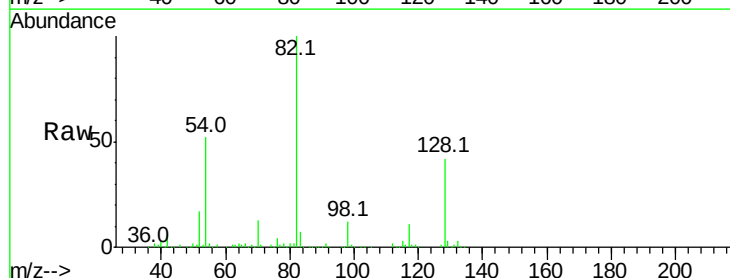
Ion Ratio Lower Upper

70 100

42 44.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

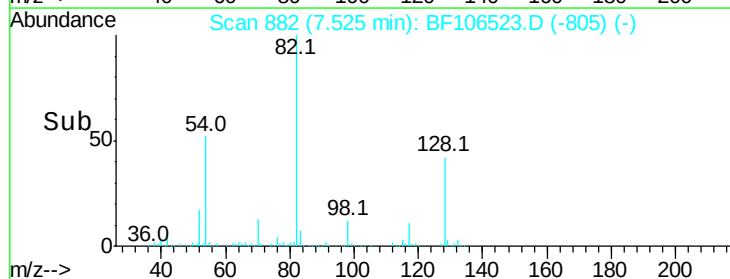
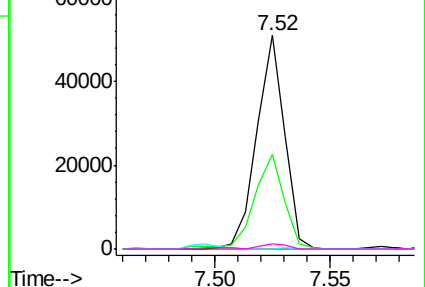


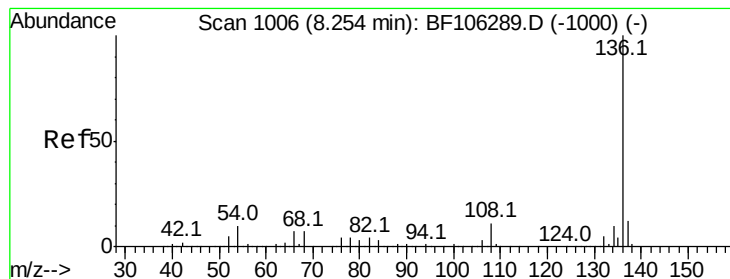
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF106523.D

Acq: 16 Jun 2018 6:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 367428

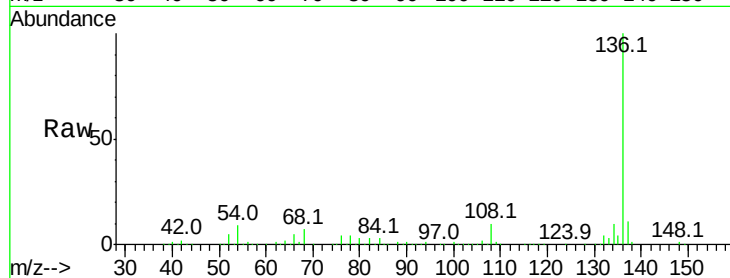
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.6 6.6 9.8

68 6.5 5.0 7.4

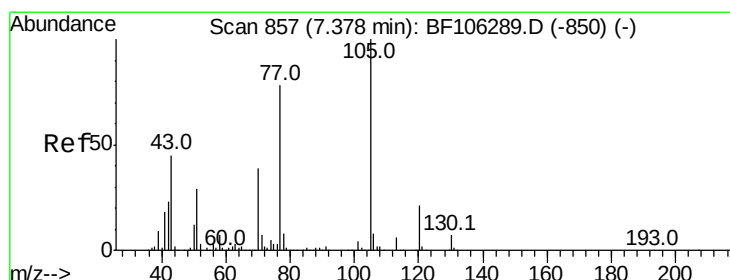
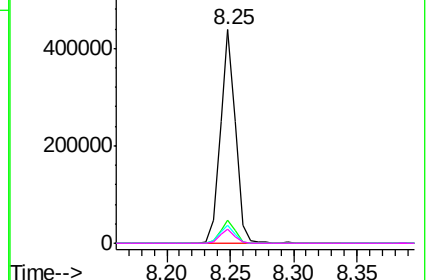
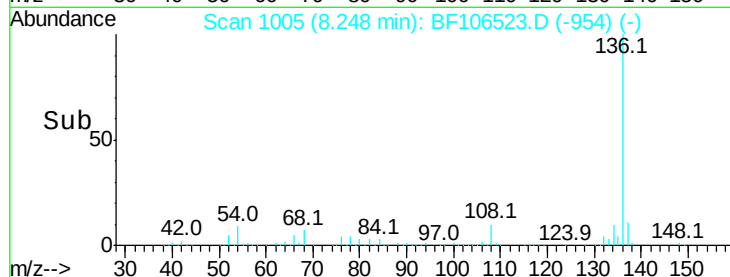


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 5.580 ng

RT: 7.35 min Scan# 853

Delta R.T. -0.02 min

Lab File: BF106523.D

Acq: 16 Jun 2018 6:03

Tgt Ion:105 Resp: 51671

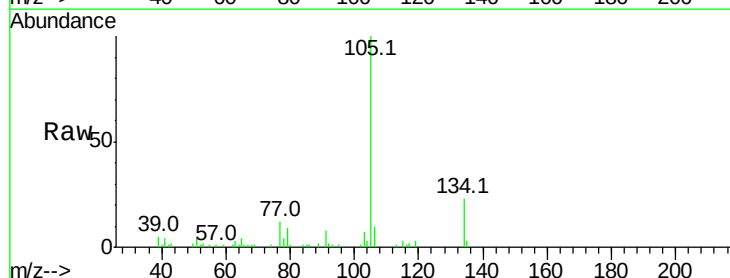
Ion Ratio Lower Upper

105 100

71 0.0 4.4 6.6#

51 3.6 22.3 33.5#

120 0.0 16.9 25.3#

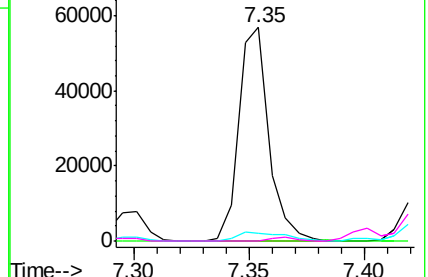
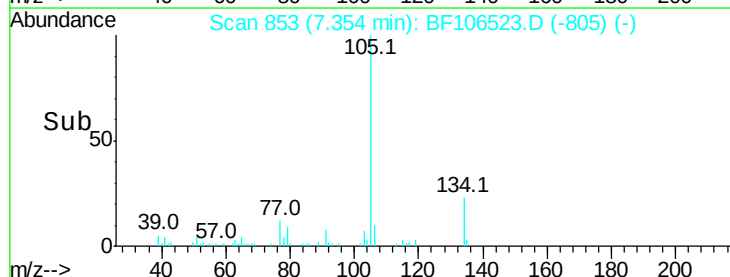


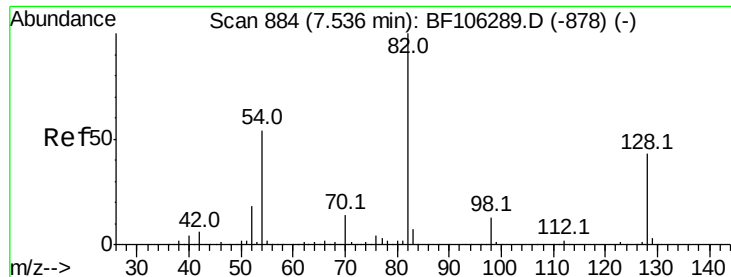
Abundance Ion 105.00 (104.70 to 105.70): E

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: 51.967 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF106523.D

Acq: 16 Jun 2018 6:03

Instrument :

BNA_F

ClientSampleId :

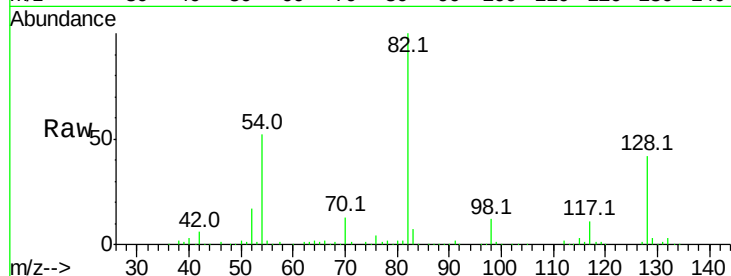
Tot Ion: 82 Resp: 324571

Ion Ratio Lower Upper

82 100

128 41.9 36.1 54.1

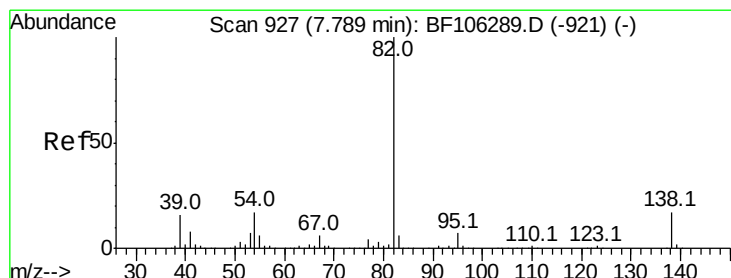
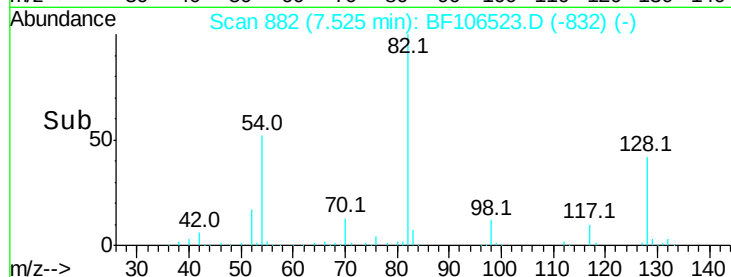
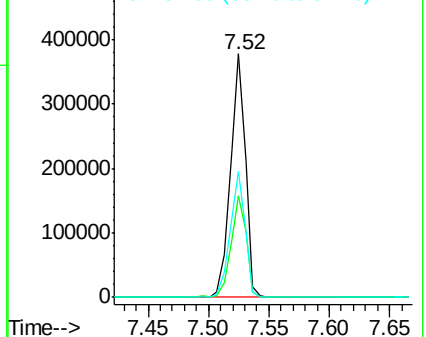
54 51.8 41.4 62.2



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: 26.590 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF106523.D

Acq: 16 Jun 2018 6:03

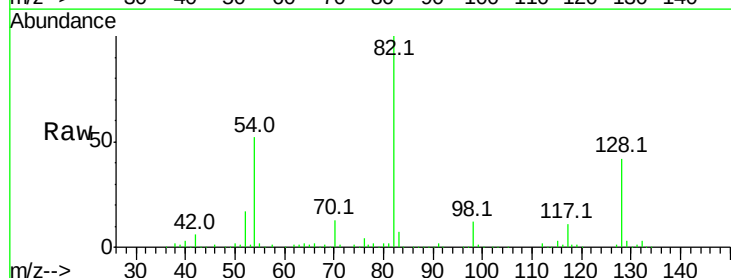
Tgt Ion: 82 Resp: 324376

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

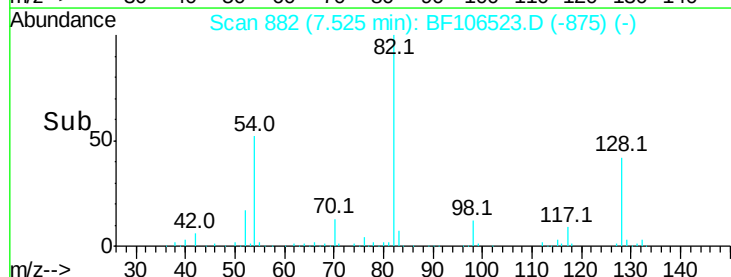
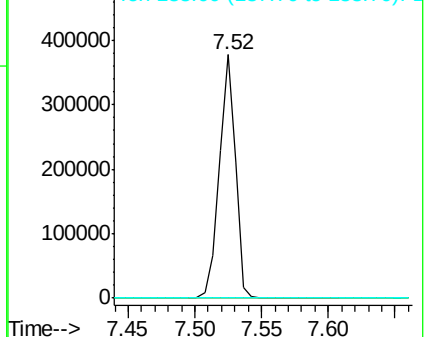
138 0.0 14.9 22.3#

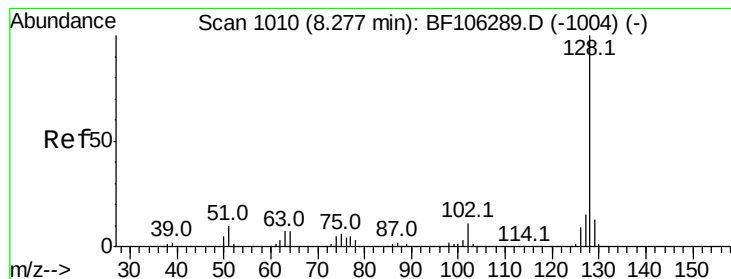


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 43.652 ng

RT: 8.27 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF106523.D

Acq: 16 Jun 2018 6:03

Instrument :

BNA_F

ClientSampled :

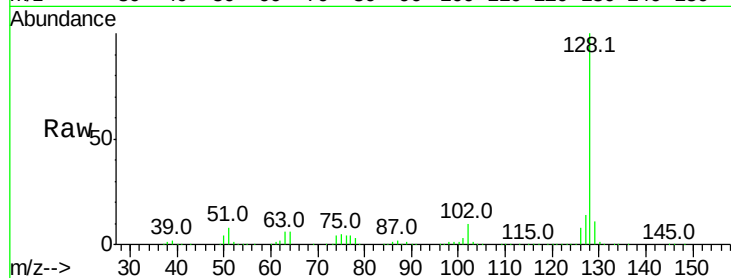
Tot Ion:128 Resp: 725039

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

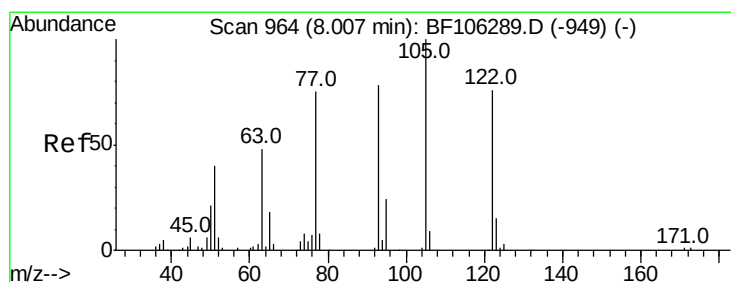
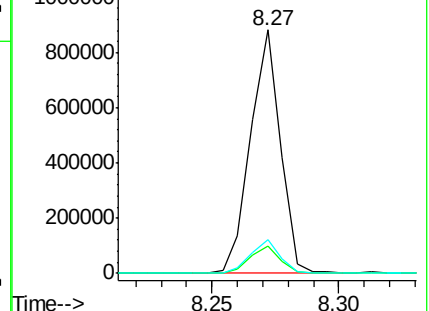
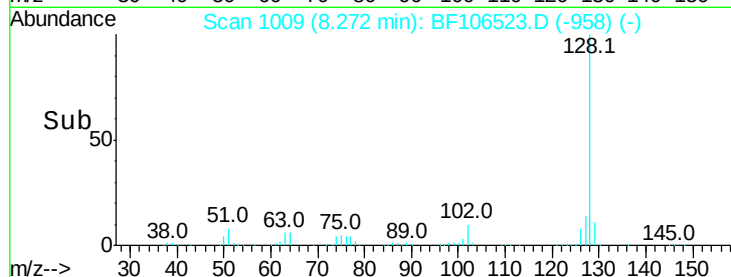
127 13.6 10.9 16.3



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: 7.560 ng

RT: 8.02 min Scan# 966

Delta R.T. 0.01 min

Lab File: BF106523.D

Acq: 16 Jun 2018 6:03

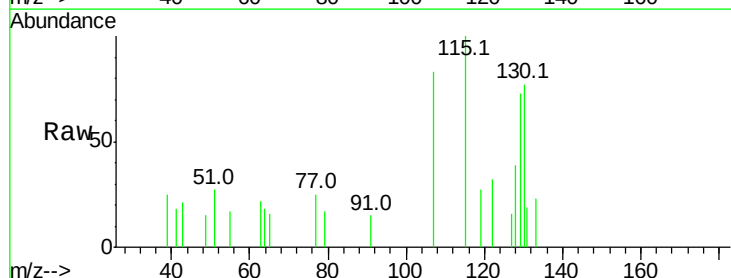
Tgt Ion:122 Resp: 1217

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

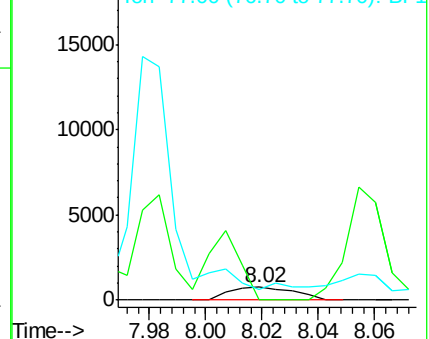
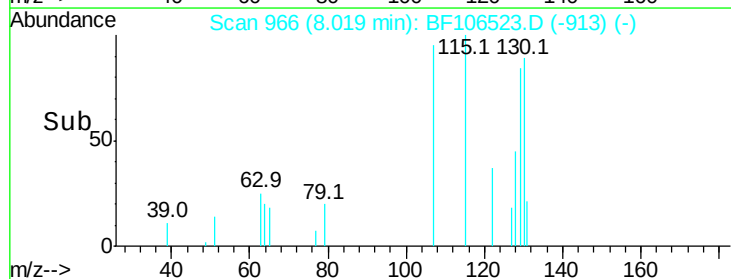
77 77.5 70.7 110.7

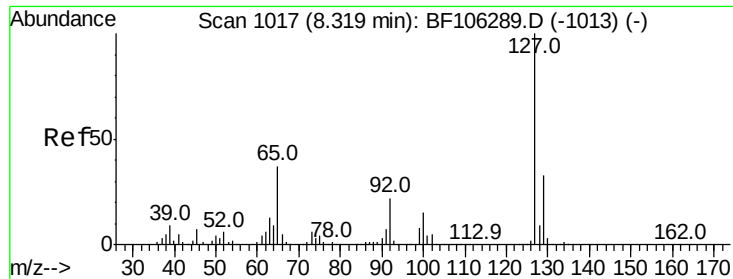


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

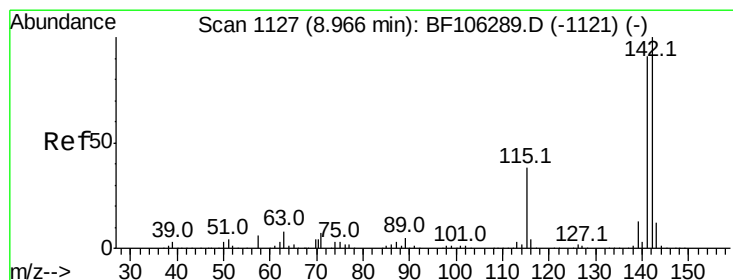
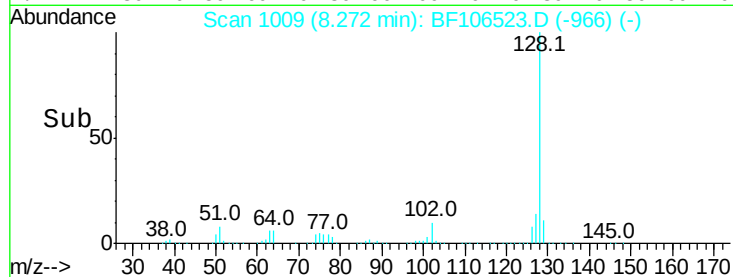
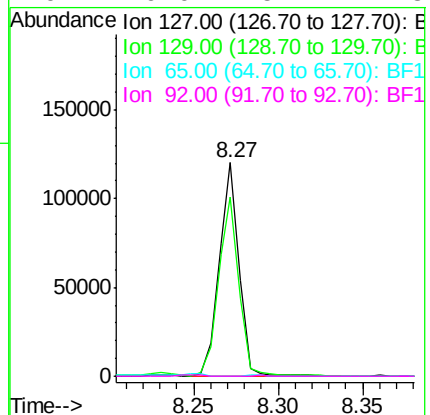
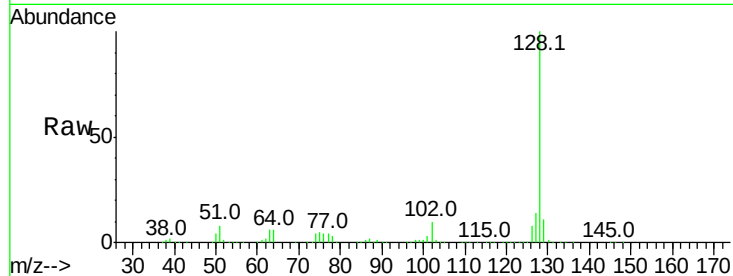




#33
4-Chloroaniline
Concen: 13.356 ng
RT: 8.27 min Scan# 1009
Delta R.T. -0.05 min
Lab File: BF106523.D
Acq: 16 Jun 2018 6:03

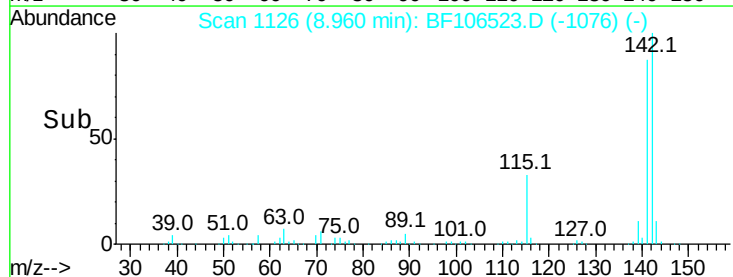
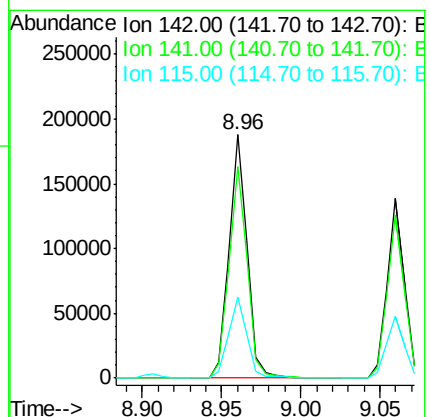
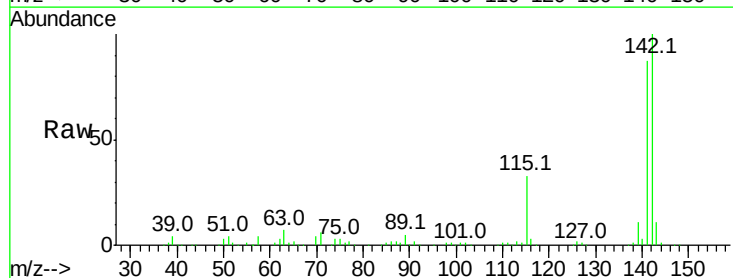
Instrument :
BNA_F
ClientSampleId :

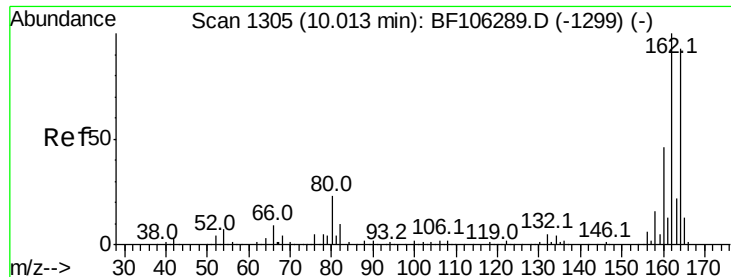
Tot Ion	Ratio	Lower	Upper
127	100		
129	84.0	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#37
2-Methylnaphthalene
Concen: 13.049 ng
RT: 8.96 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF106523.D
Acq: 16 Jun 2018 6:03

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.0	70.8	106.2
115	33.2	26.1	39.1

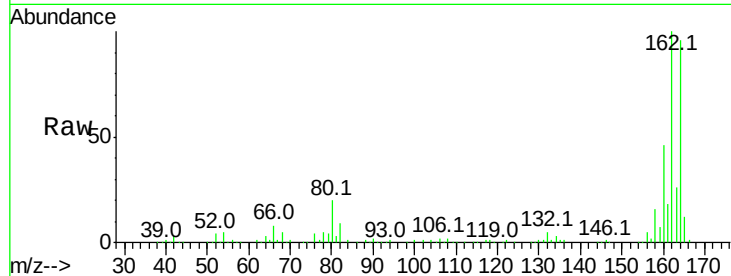




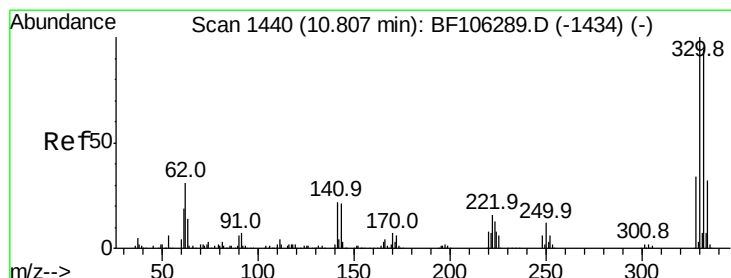
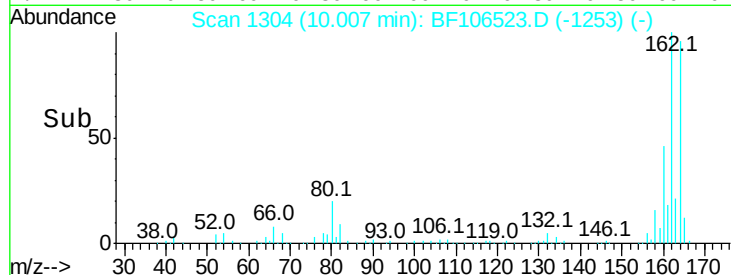
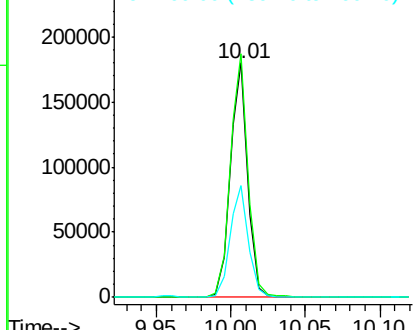
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: BF106523.D
 Acq: 16 Jun 2018 6:03

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 149107
 Ion Ratio Lower Upper
 164 100
 162 103.9 86.1 129.1
 160 48.0 38.3 57.5

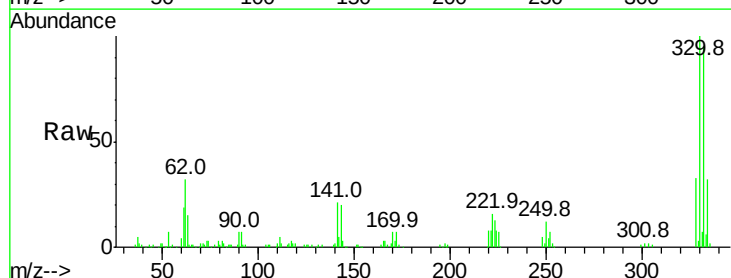


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

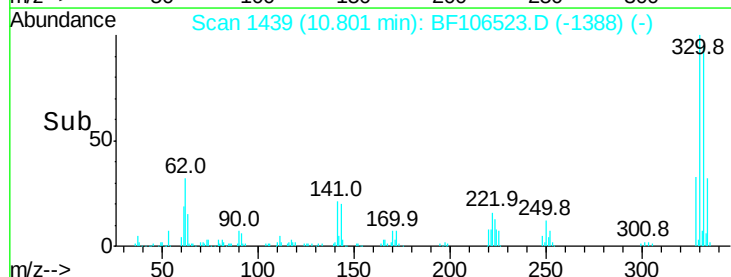
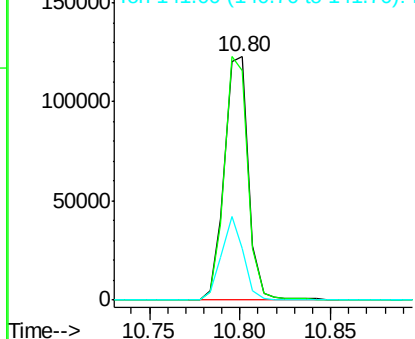


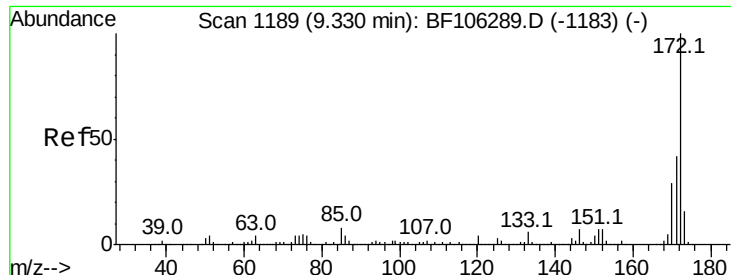
#41
 2,4,6-Tribromophenol
 Concen: 79.756 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF106523.D
 Acq: 16 Jun 2018 6:03

Tgt Ion:330 Resp: 114424
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.0 115.6
 141 31.1 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

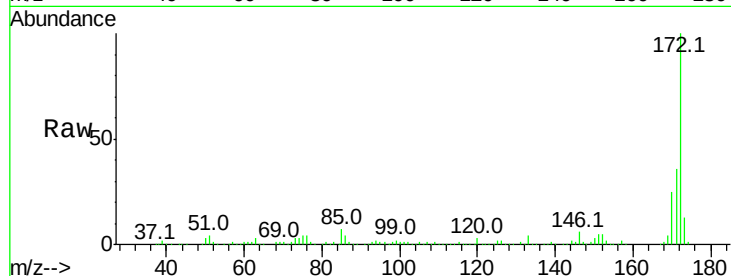




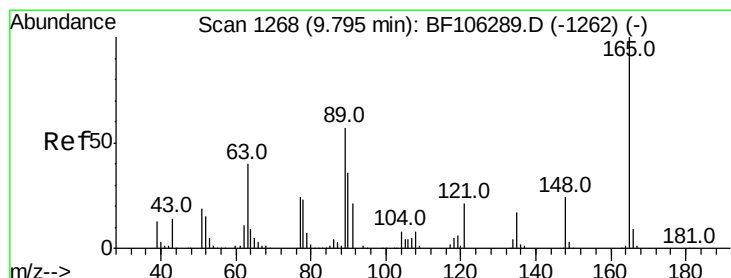
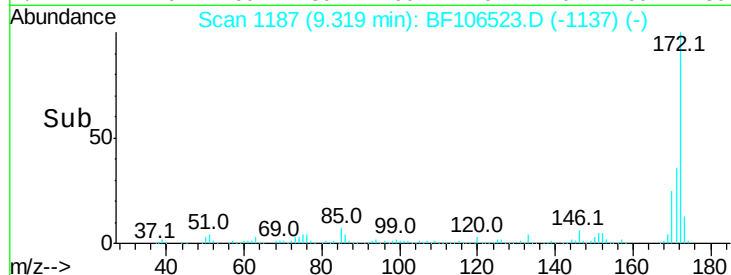
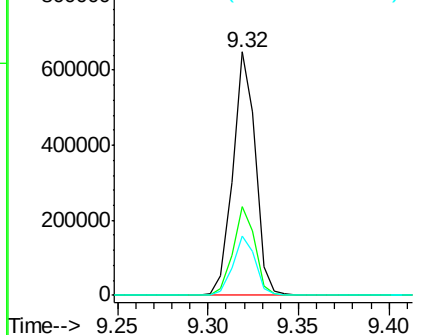
#44
 2-Fluorobiphenyl
 Concen: 60.936 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106523.D
 Acq: 16 Jun 2018 6:03

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.5	19.6	29.4

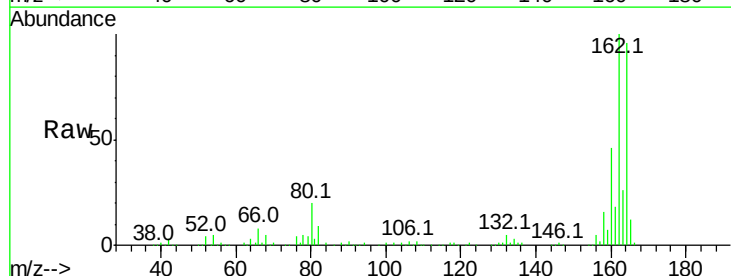


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

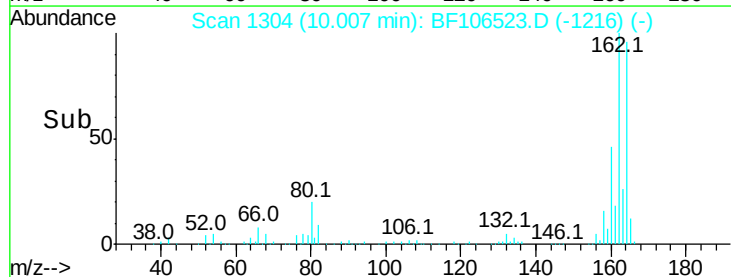
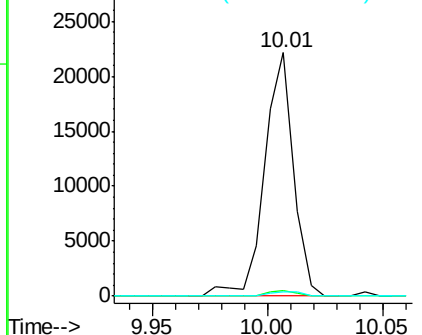


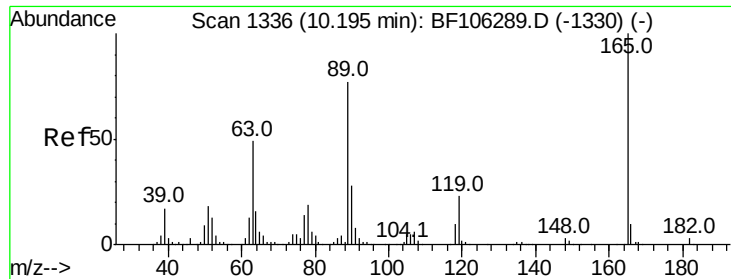
#50
 2,6-Dinitrotoluene
 Concen: 8.889 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. 0.22 min
 Lab File: BF106523.D
 Acq: 16 Jun 2018 6:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	44.7	67.1#
89	1.6	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

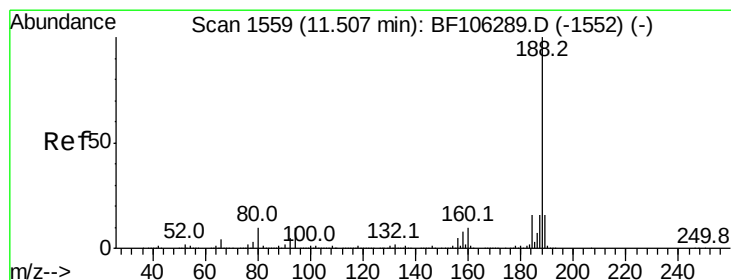
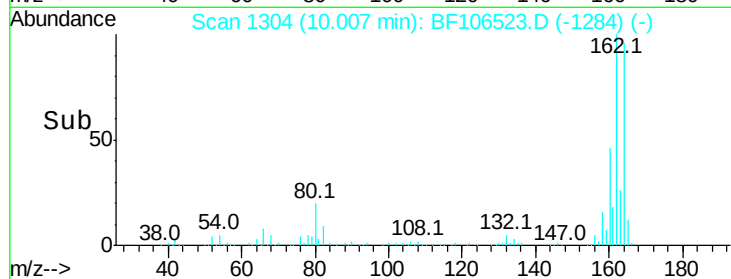
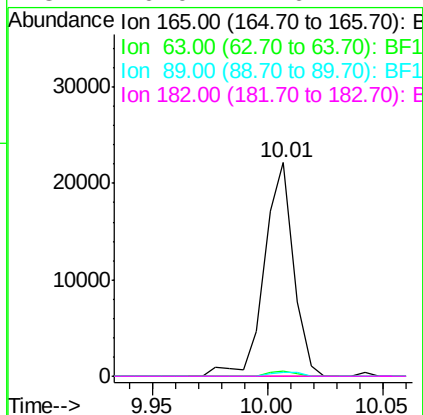
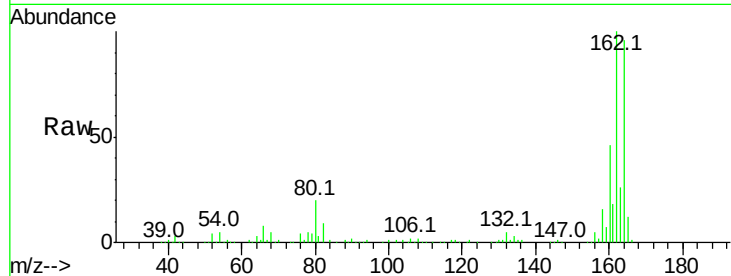




#56
 2,4-Dinitrotoluene
 Concen: 7.078 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.18 min
 Lab File: BF106523.D
 Acq: 16 Jun 2018 6:03

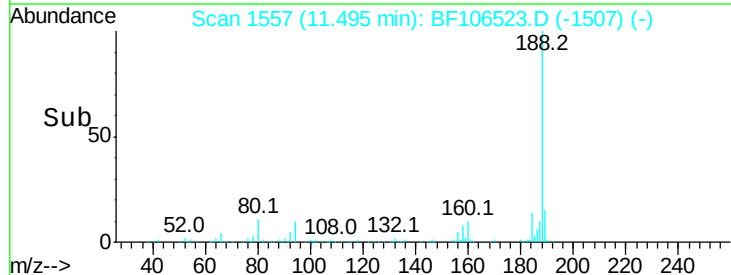
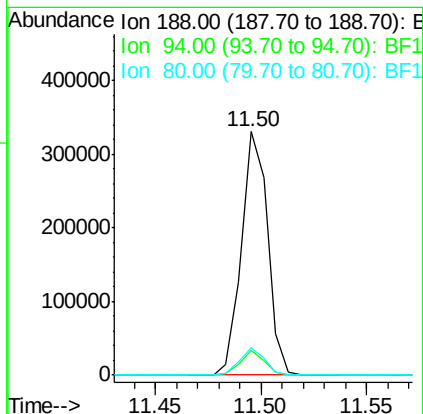
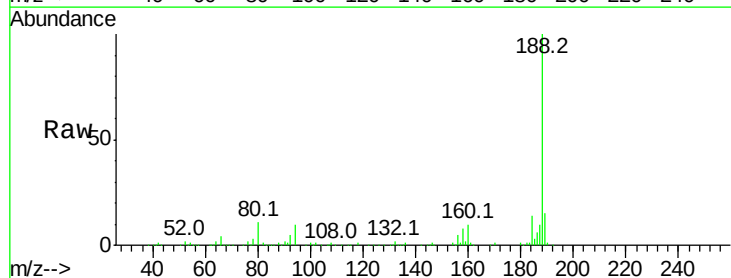
Instrument :
 BNA_F
 ClientSampleId :

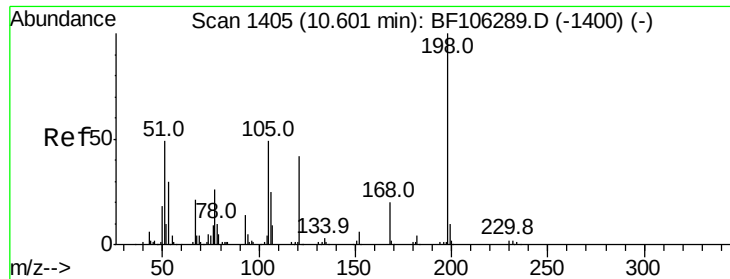
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF106523.D
 Acq: 16 Jun 2018 6:03

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.5	12.7
80	11.2	9.2	13.8

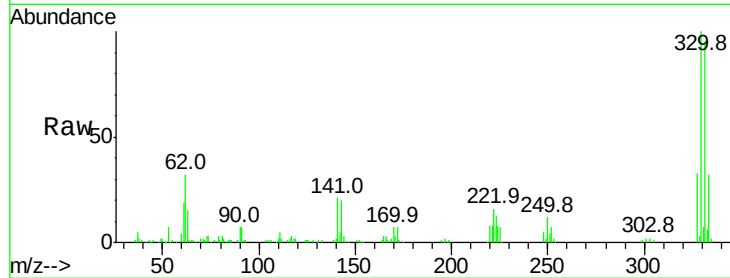




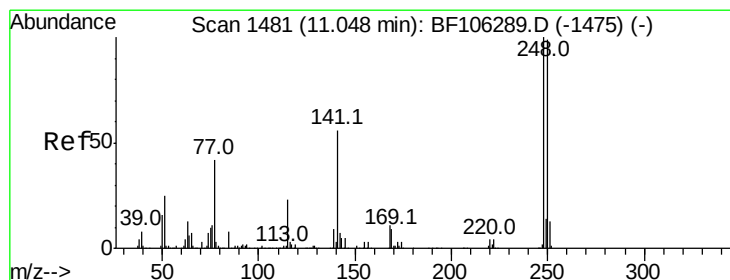
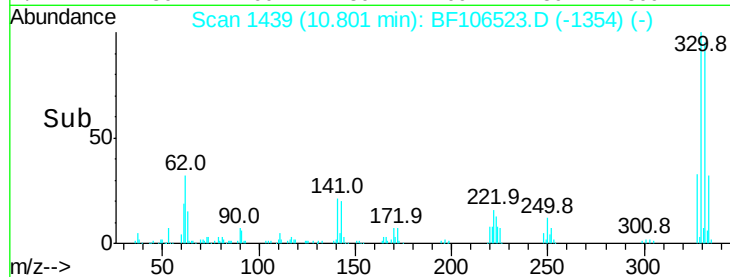
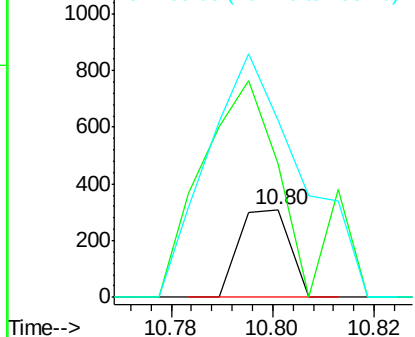
#64
4,6-Dinitro-2-methylphenol
Concen: 6.417 ng
RT: 10.80 min Scan# 1439
Delta R.T. 0.20 min
Lab File: BF106523.D
Acq: 16 Jun 2018 6:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 215
Ion Ratio Lower Upper
198 100
51 152.3 37.7 77.7#
105 201.3 36.3 76.3#

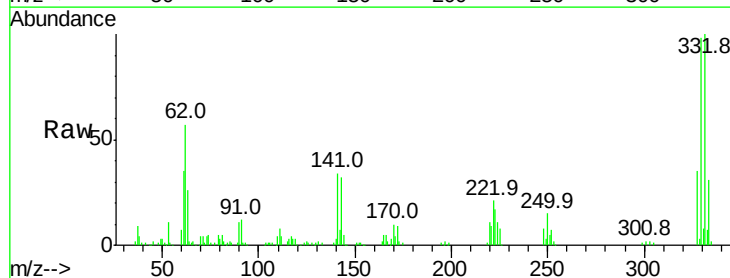


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

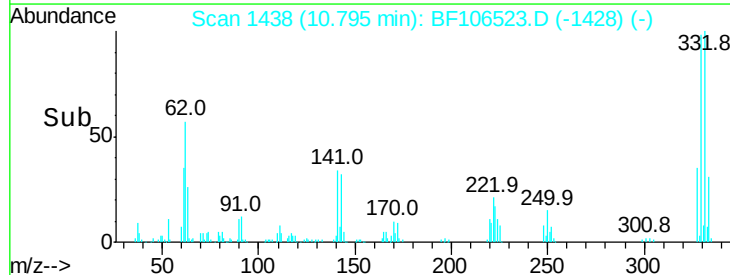
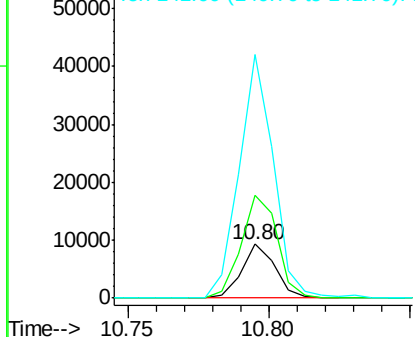


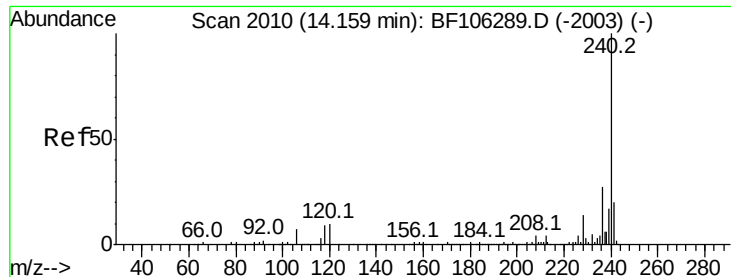
#66
4-Bromophenyl-phenylether
Concen: 2.385 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF106523.D
Acq: 16 Jun 2018 6:03

Tgt Ion:248 Resp: 7692
Ion Ratio Lower Upper
248 100
250 192.4 76.9 115.3#
141 454.0 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: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106523.D

Acq: 16 Jun 2018 6:03

Instrument :

BNA_F

ClientSampleId :

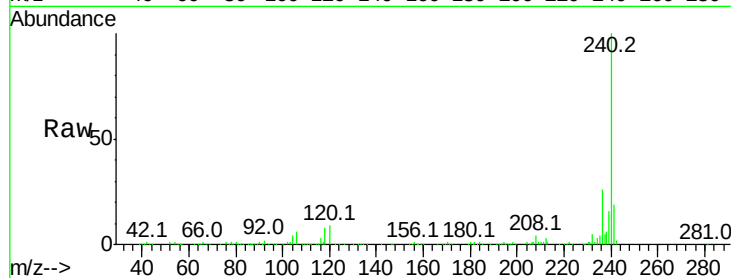
Tot Ion:240 Resp: 277749

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

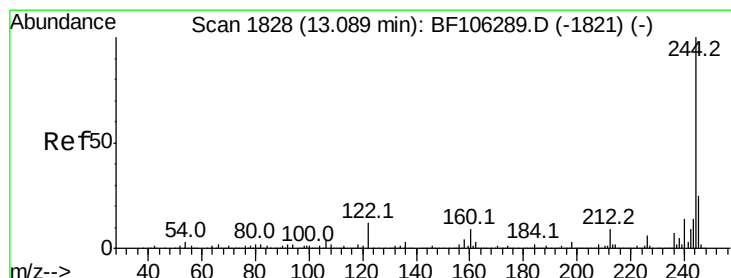
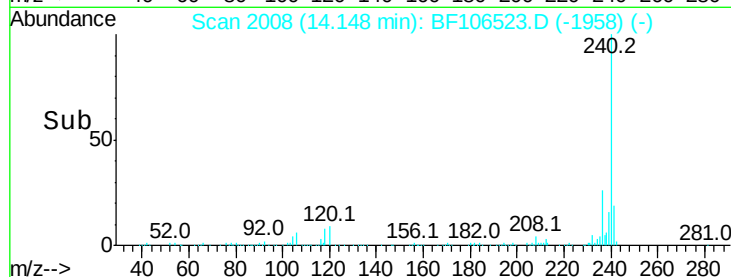
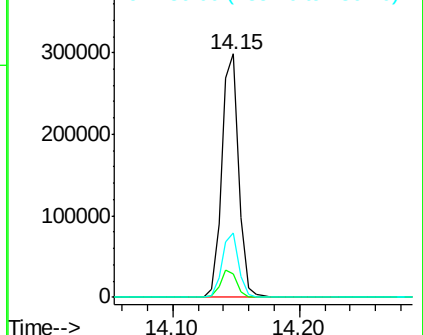
236 26.3 20.7 31.1



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: 56.799 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF106523.D

Acq: 16 Jun 2018 6:03

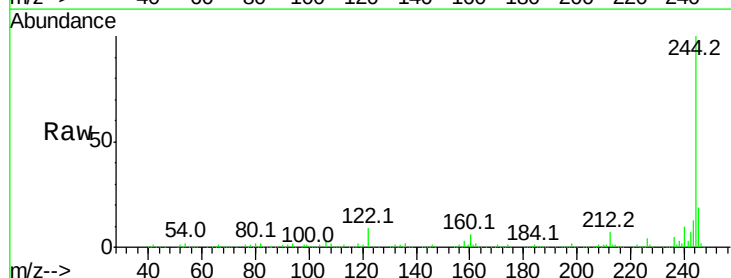
Tgt Ion:244 Resp: 635155

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

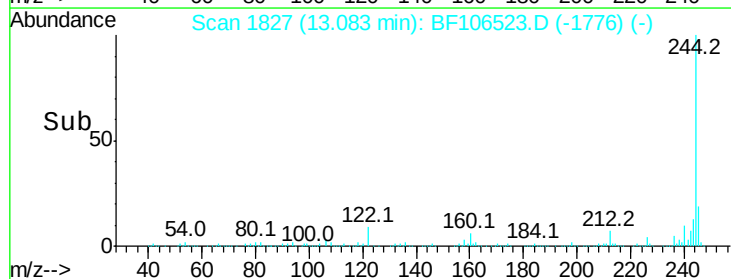
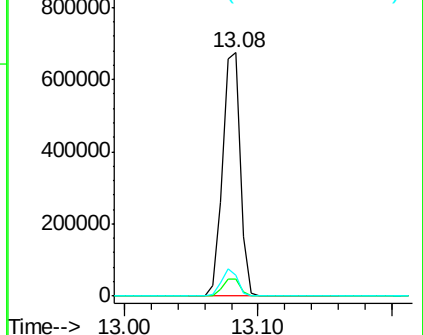
122 8.5 11.0 16.4#

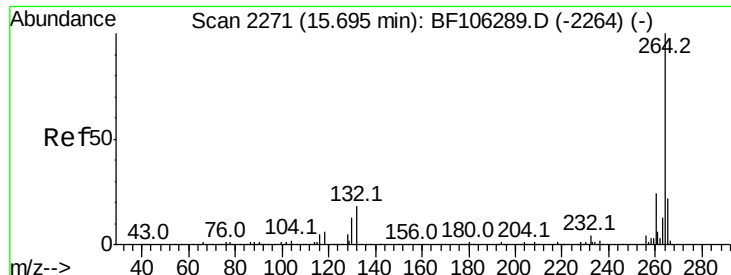


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

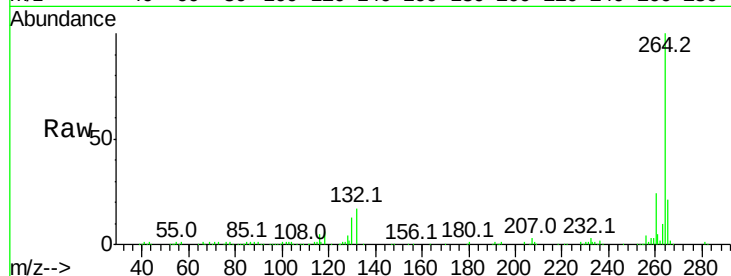




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2268
 Delta R.T. -0.01 min
 Lab File: BF106523.D
 Acq: 16 Jun 2018 6:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.1	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

