

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
 Data File : BF106368.D
 Acq On : 13 Jun 2018 3:05
 Operator : JU/SJ
 Sample : J3413-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

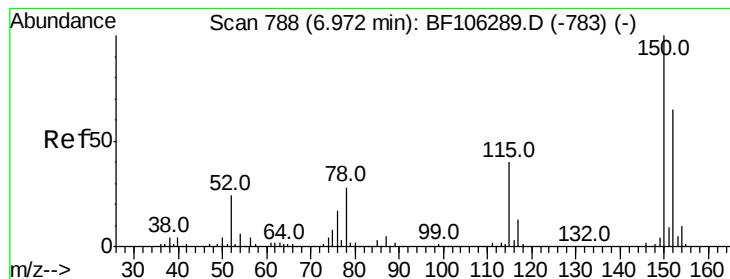
Quant Time: Jun 13 04:44:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 11 15:00:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	147577	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	515553	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	216605	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	405158	20.00	ng	0.00
75) Chrysene-d12	14.16	240	450243	20.00	ng	0.00
86) Perylene-d12	15.71	264	358286	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	1115450	127.93	ng	0.04
7) Phenol-d6	6.62	99	1425165	129.37	ng	0.03
23) Nitrobenzene-d5	7.54	82	812952	92.76	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	304319	146.02	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1244883	112.74	ng	0.00
78) Terphenyl-d14	13.09	244	1383765	76.34	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.76	77	23874	2.857	ng	87
10) Phenol	6.63	94	25047	2.083	ng	# 1
18) Hexachloroethane	7.50	117	28708	7.194	ng	# 1
31) Naphthalene	8.28	128	53797	2.308	ng	# 91
32) Benzoic acid	8.02	122	107	7.306	ng	# 1
37) 2-Methylnaphthalene	8.97	142	240116	15.127	ng	97
49) Dimethylphthalate	9.72	163	188160	12.159	ng	# 98
53) 2,4-Dinitrophenol	10.23	184	175	8.721	ng	# 45
55) 4-Nitrophenol	10.12	139	7659	2.663	ng	# 57
64) 4,6-Dinitro-2-methylphenol	10.55	198	228	6.385	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	19501	4.232	ng	# 1
70) Phenanthrene	11.53	178	74530	3.756	ng	98
71) Anthracene	11.53	178	74530	3.749	ng	97

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

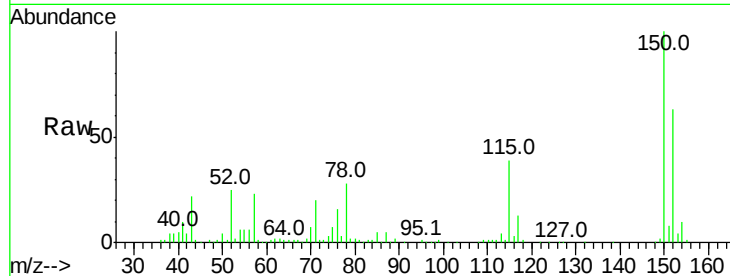


#1

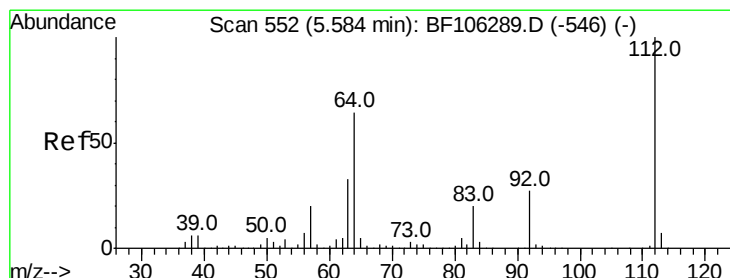
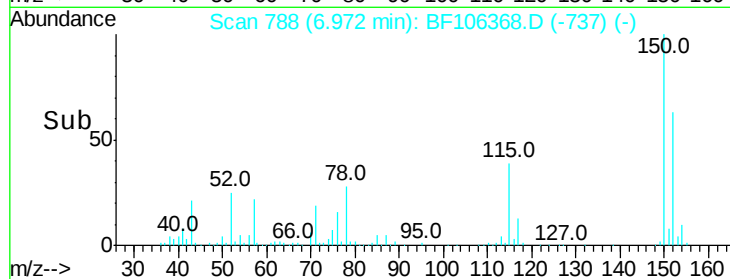
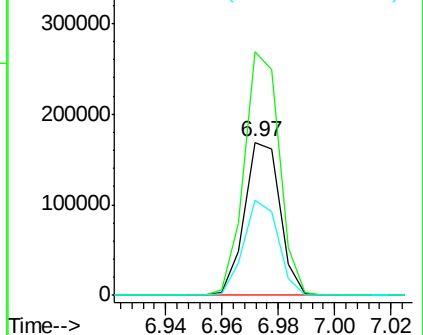
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF106368.D
Acq: 13 Jun 2018 3:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 147577
Ion Ratio Lower Upper
152 100
150 159.4 124.6 186.8
115 62.5 50.1 75.1



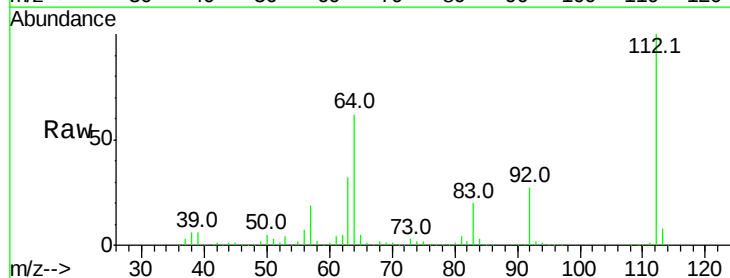
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



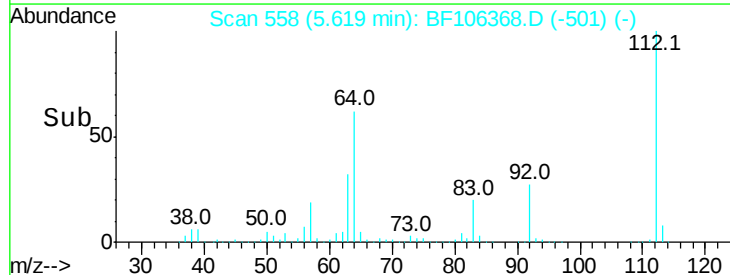
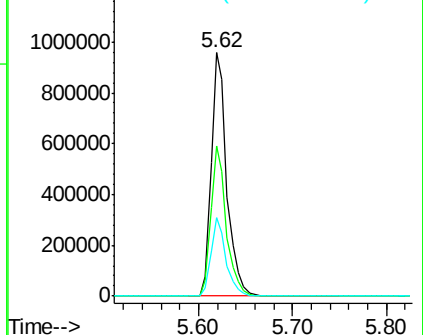
#5

2-Fluorophenol
Concen: 127.926 ng
RT: 5.62 min Scan# 558
Delta R.T. 0.04 min
Lab File: BF106368.D
Acq: 13 Jun 2018 3:05

Tgt Ion:112 Resp: 1115450
Ion Ratio Lower Upper
112 100
64 61.8 47.9 71.9
63 32.0 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: 129.369 ng

RT: 6.62 min Scan# 728

Delta R.T. 0.03 min

Lab File: BF106368.D

Acq: 13 Jun 2018 3:05

Instrument :

BNA_F

ClientSampleId :

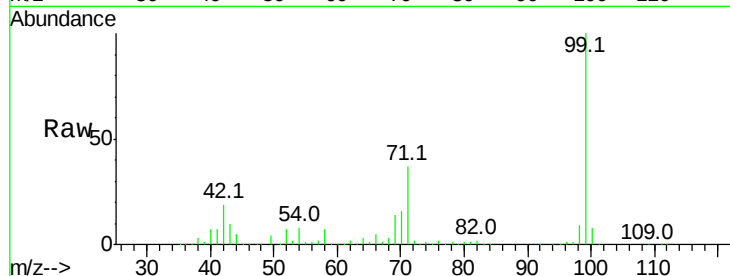
Tot Ion: 99 Resp: 1425165

Ion Ratio Lower Upper

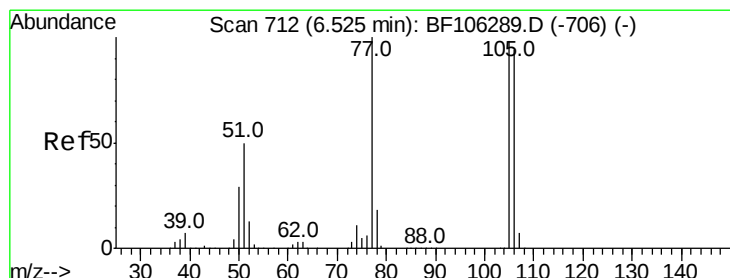
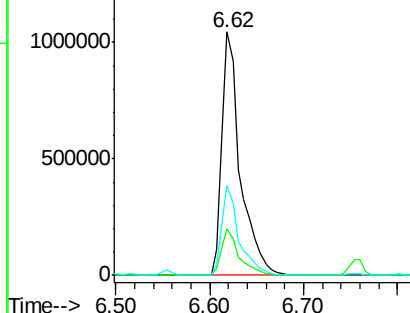
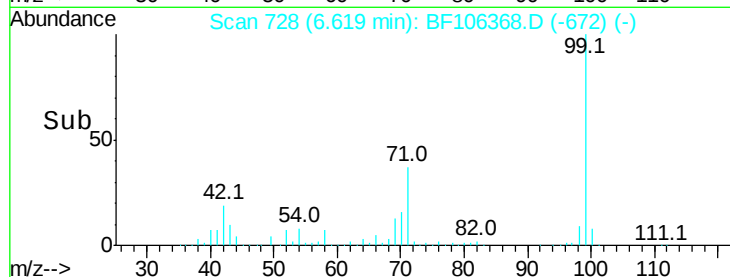
99 100

42 18.9 14.5 21.7

71 37.0 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: 2.857 ng

RT: 6.76 min Scan# 752

Delta R.T. 0.24 min

Lab File: BF106368.D

Acq: 13 Jun 2018 3:05

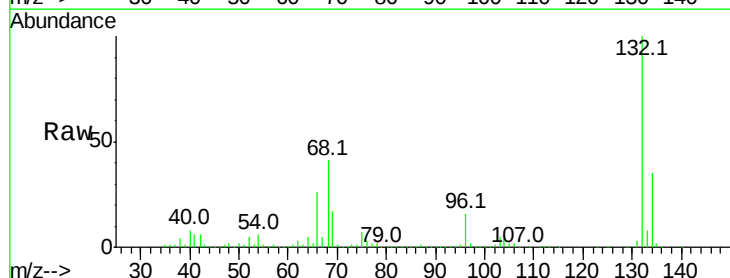
Tgt Ion: 77 Resp: 23874

Ion Ratio Lower Upper

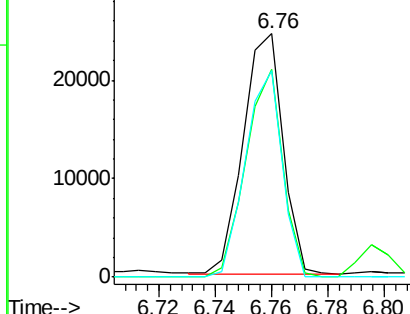
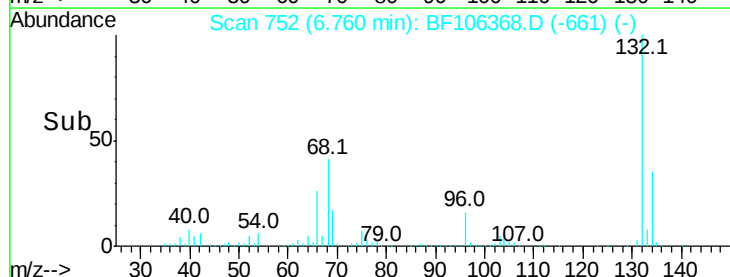
77 100

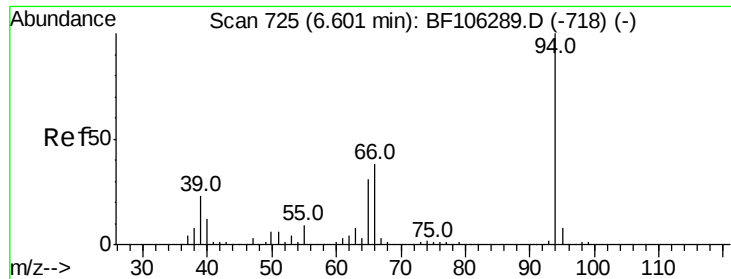
105 85.5 81.1 121.1

106 85.0 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: 2.083 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.03 min

Lab File: BF106368.D

Acq: 13 Jun 2018 3:05

Instrument :

BNA_F

ClientSampleId :

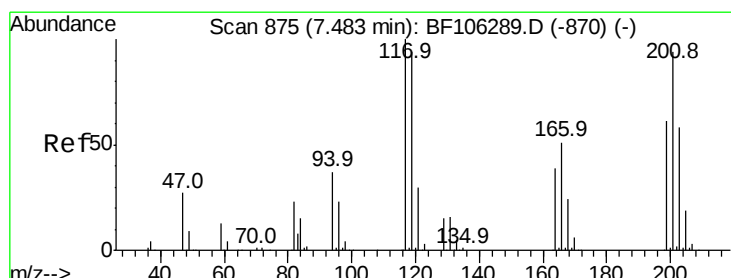
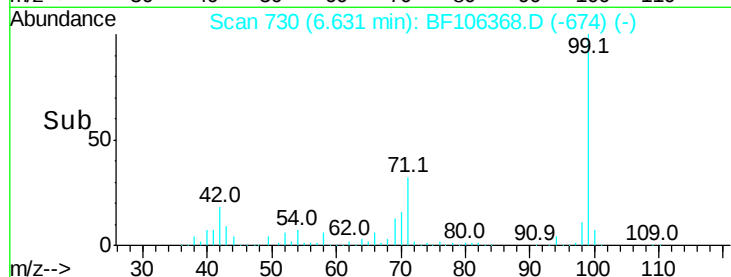
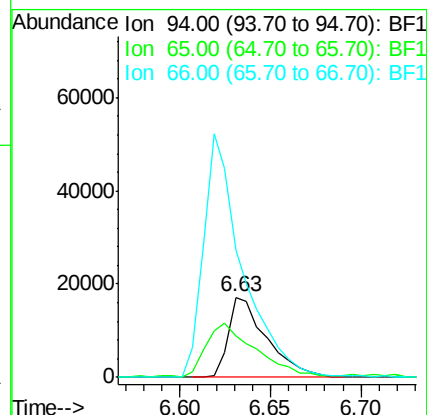
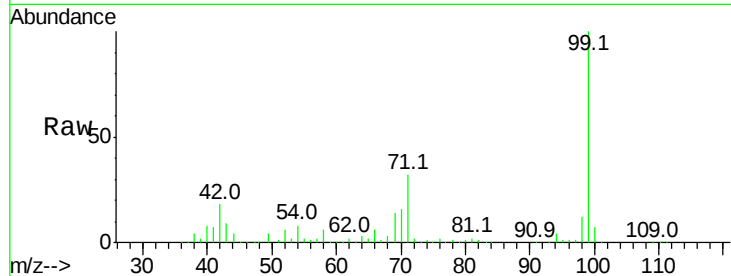
Tot Ion: 94 Resp: 25047

Ion Ratio Lower Upper

94 100

65 51.2 7.9 47.9#

66 158.3 16.2 56.2#



#18

Hexachloroethane

Concen: 7.194 ng

RT: 7.50 min Scan# 878

Delta R.T. 0.02 min

Lab File: BF106368.D

Acq: 13 Jun 2018 3:05

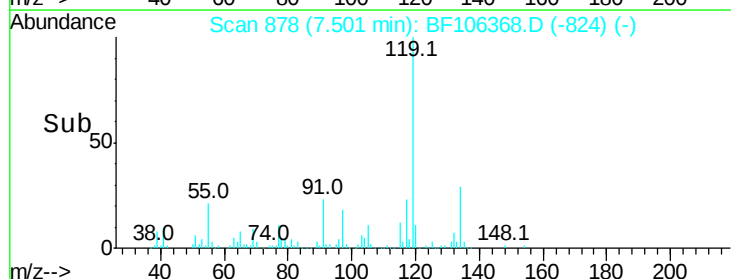
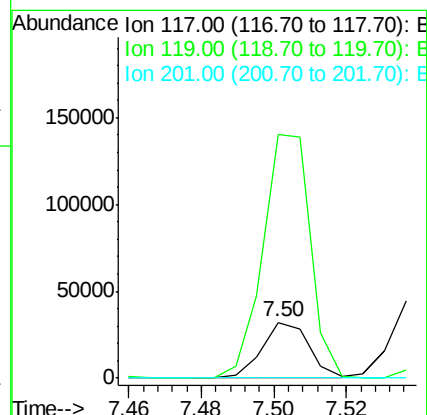
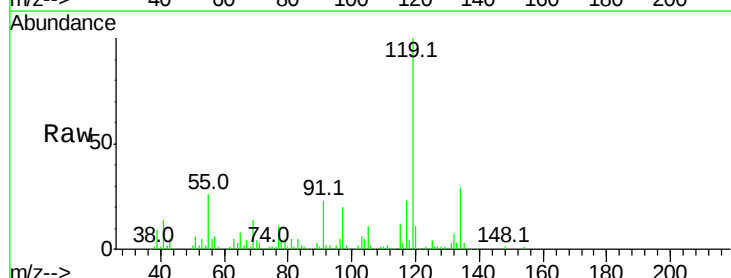
Tgt Ion: 117 Resp: 28708

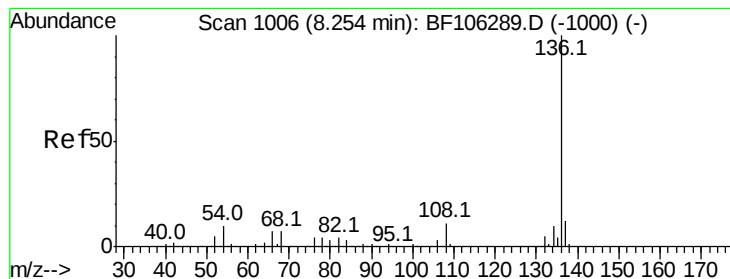
Ion Ratio Lower Upper

117 100

119 436.3 75.8 113.8#

201 0.0 75.7 113.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BF106368.D

Acq: 13 Jun 2018 3:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 515553

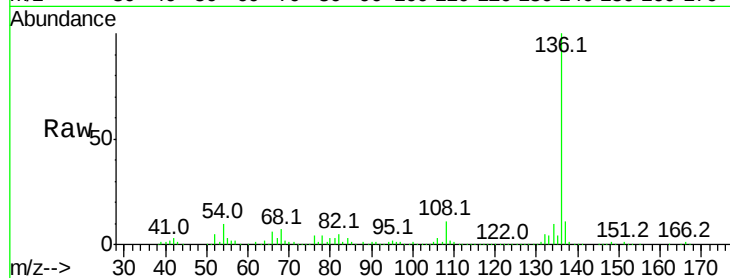
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.5 6.6 9.8

68 7.5 5.0 7.4#

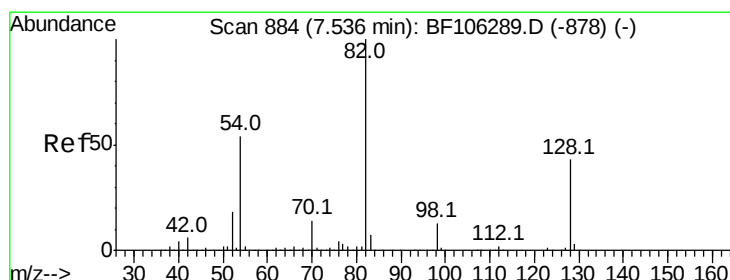
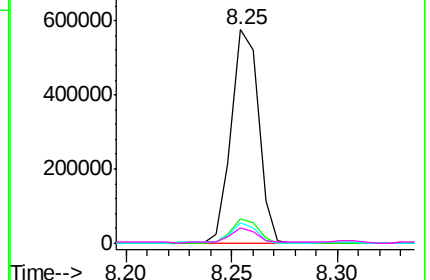
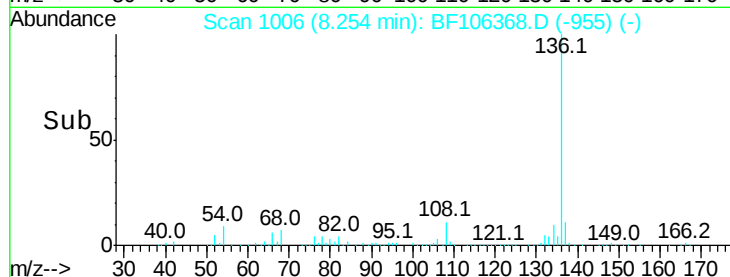


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.764 ng

RT: 7.54 min Scan# 884

Delta R.T. 0.00 min

Lab File: BF106368.D

Acq: 13 Jun 2018 3:05

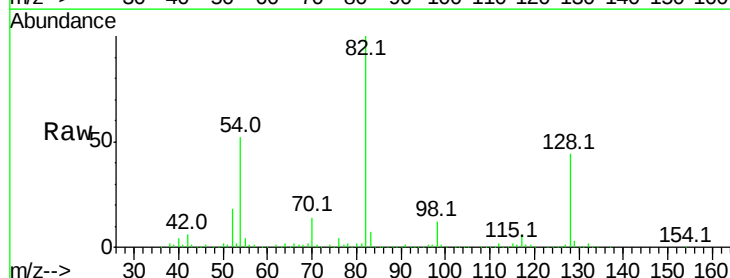
Tgt Ion: 82 Resp: 812952

Ion Ratio Lower Upper

82 100

128 44.2 36.1 54.1

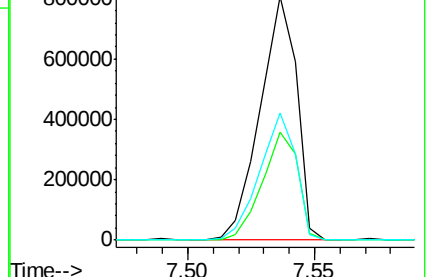
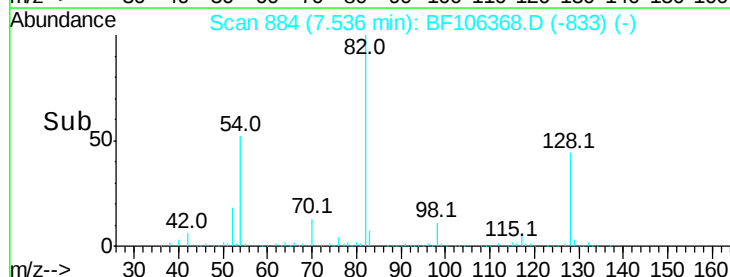
54 52.2 41.4 62.2

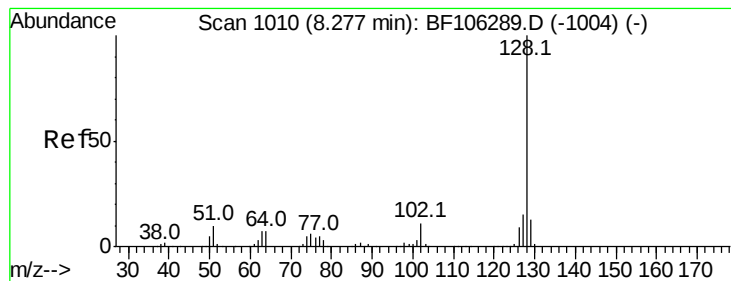


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#31

Naphthalene

Concen: 2.308 ng

RT: 8.28 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BF106368.D

Acq: 13 Jun 2018 3:05

Instrument :

BNA_F

ClientSampleId :

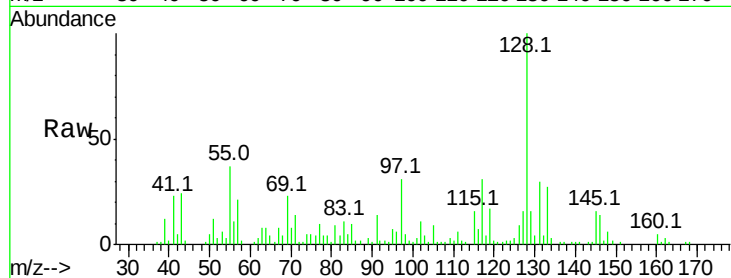
Tot Ion:128 Resp: 53797

Ion Ratio Lower Upper

128 100

129 16.2 8.8 13.2#

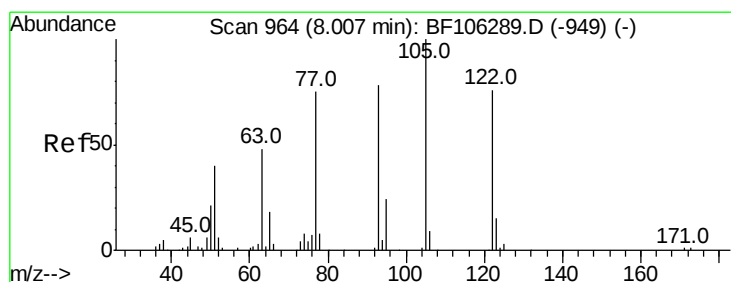
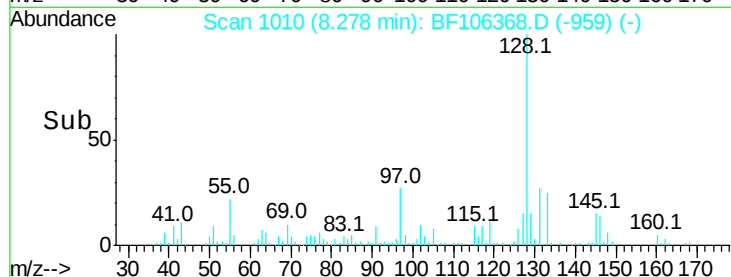
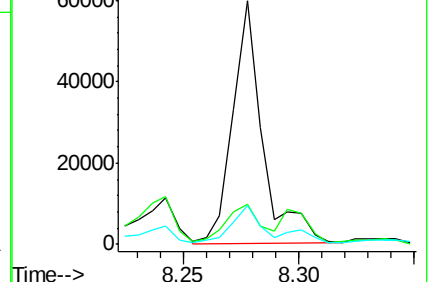
127 16.0 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 7.306 ng

RT: 8.02 min Scan# 966

Delta R.T. 0.01 min

Lab File: BF106368.D

Acq: 13 Jun 2018 3:05

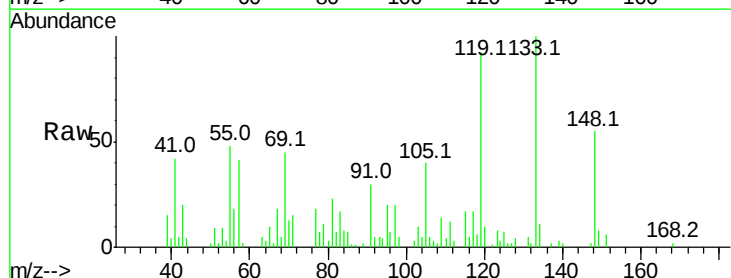
Tgt Ion:122 Resp: 107

Ion Ratio Lower Upper

122 100

105 3026.4 101.1 141.1#

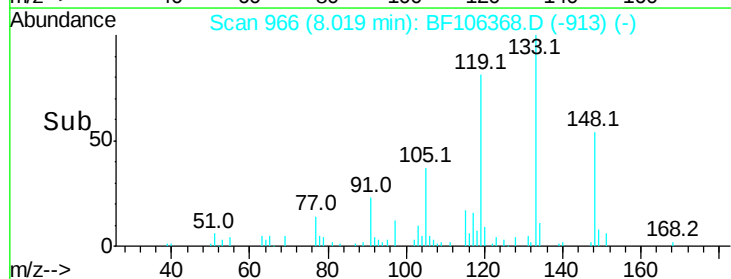
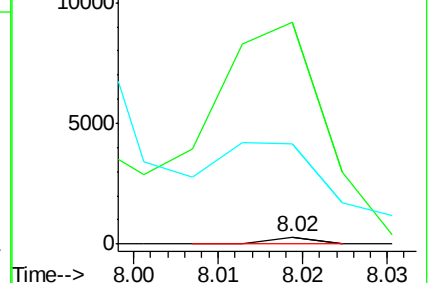
77 1370.3 70.7 110.7#

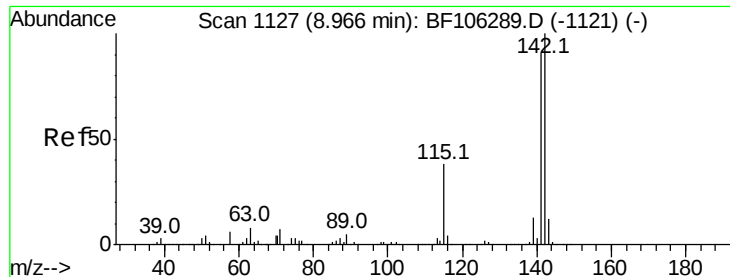


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

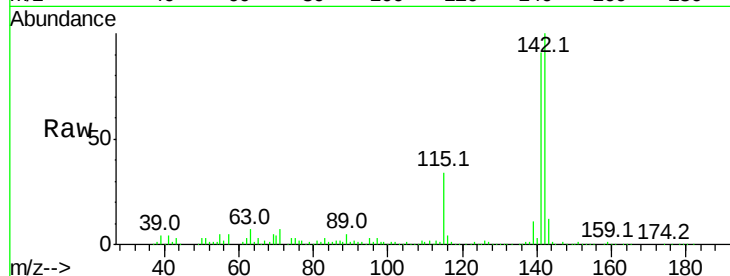




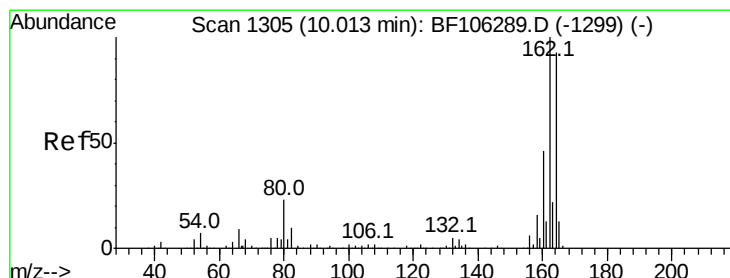
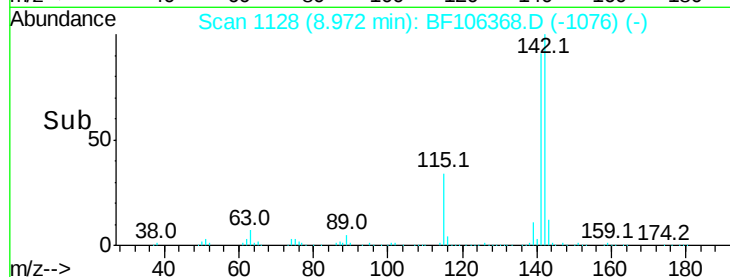
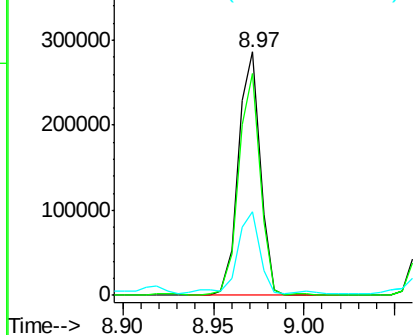
#37
 2-Methylnaphthalene
 Concen: 15.127 ng
 RT: 8.97 min Scan# 1128
 Delta R.T. 0.01 min
 Lab File: BF106368.D
 Acq: 13 Jun 2018 3:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	142	Resp:	240116
Ion Ratio	Lower	Upper	
142	100		
141	91.3	70.8	106.2
115	34.3	26.1	39.1

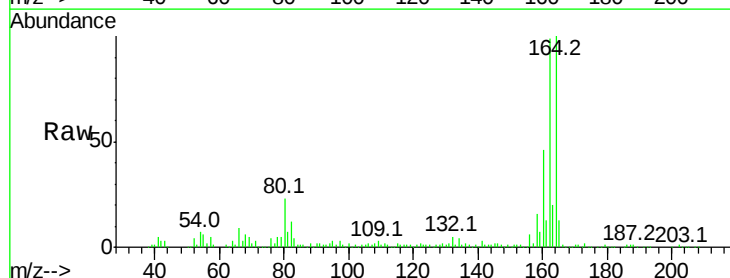


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

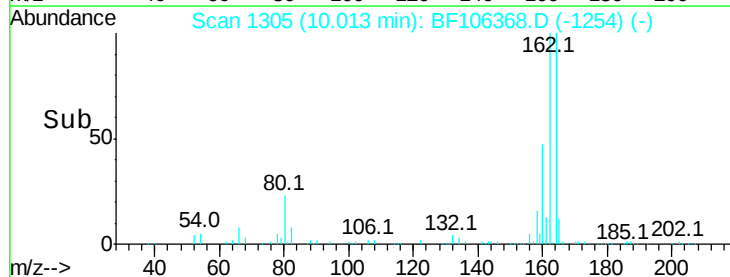
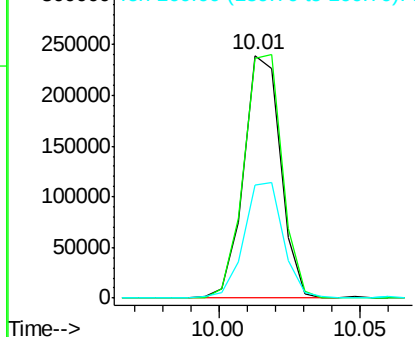


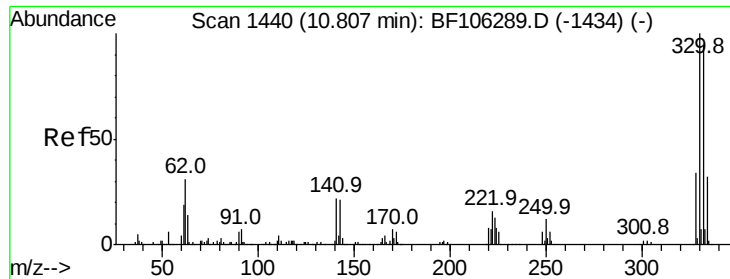
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: BF106368.D
 Acq: 13 Jun 2018 3:05

Tgt Ion:	164	Resp:	216605
Ion Ratio	Lower	Upper	
164	100		
162	98.6	86.1	129.1
160	46.4	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

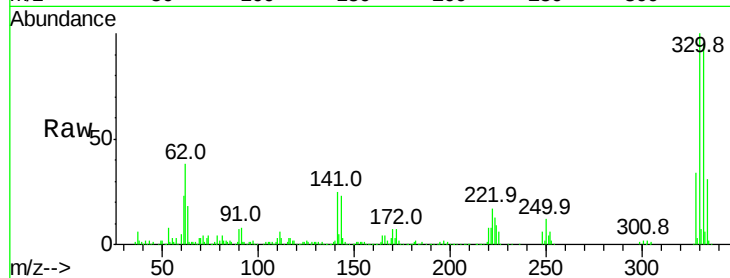




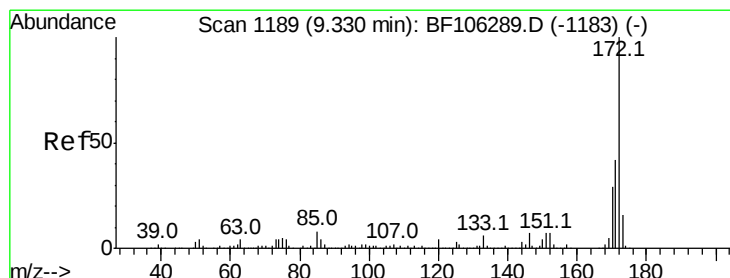
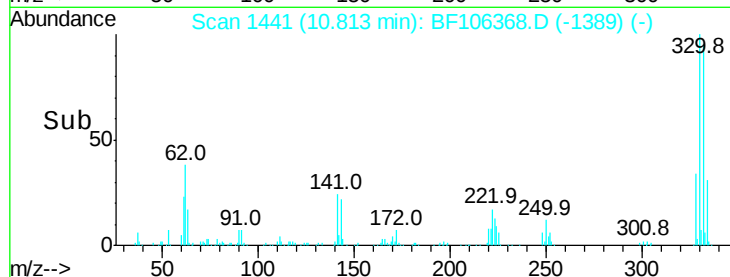
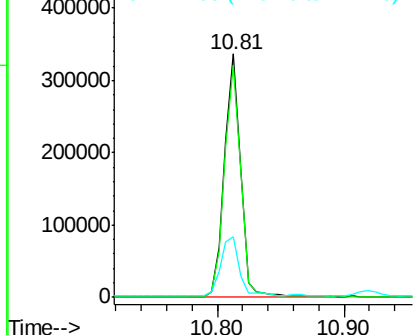
#41
 2,4,6-Tribromophenol
 Concen: 146.018 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: BF106368.D
 Acq: 13 Jun 2018 3:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 304319
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 27.7 29.9 44.9#

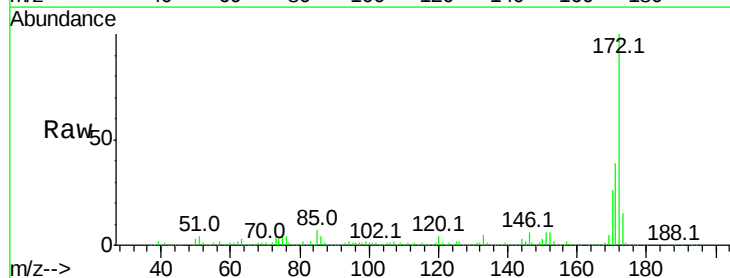


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

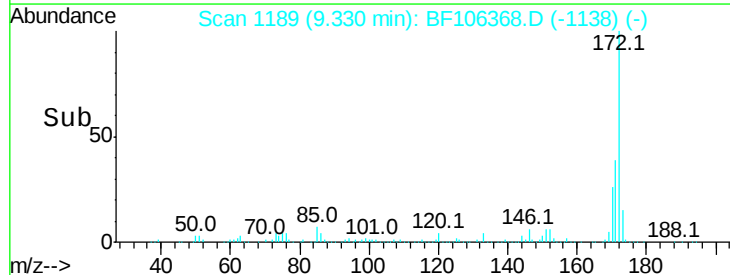
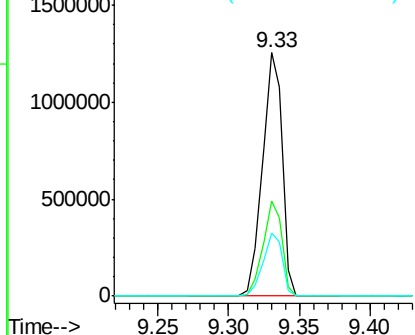


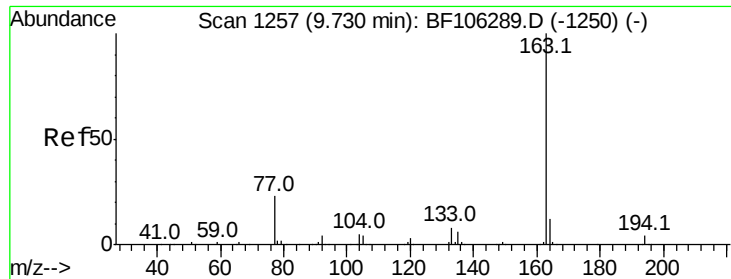
#44
 2-Fluorobiphenyl
 Concen: 112.744 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: BF106368.D
 Acq: 13 Jun 2018 3:05

Tgt Ion:172 Resp: 1244883
 Ion Ratio Lower Upper
 172 100
 171 38.9 29.7 44.5
 170 26.0 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

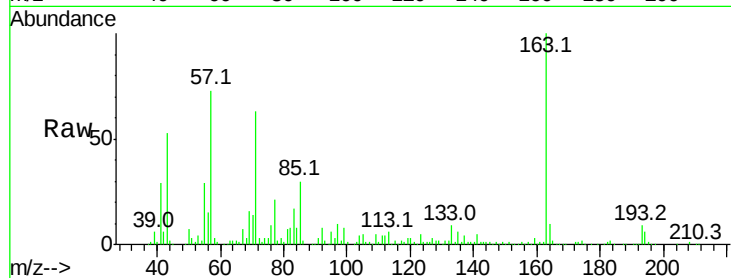




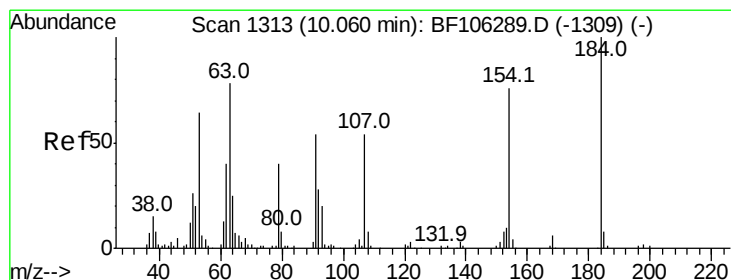
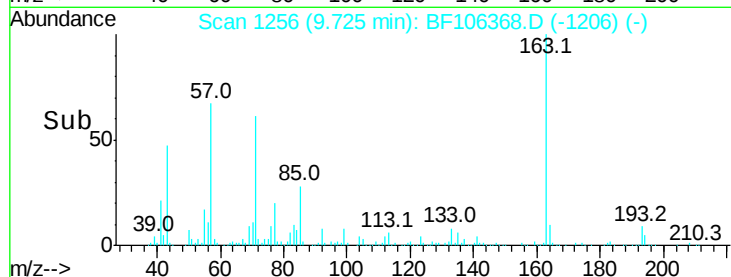
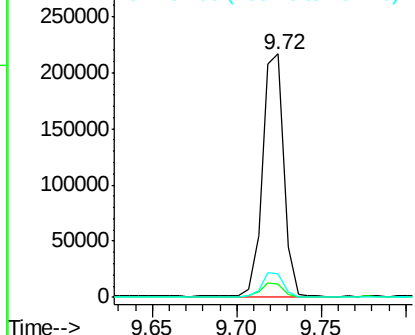
#49
Dimethylphthalate
Concen: 12.159 ng
RT: 9.72 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF106368.D
Acq: 13 Jun 2018 3:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 188160
Ion Ratio Lower Upper
163 100
194 5.6 2.7 4.1#
164 9.8 8.2 12.2

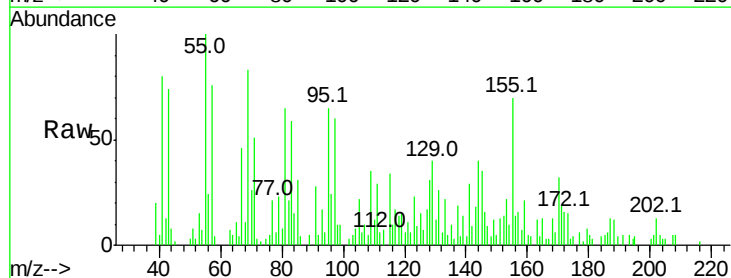


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

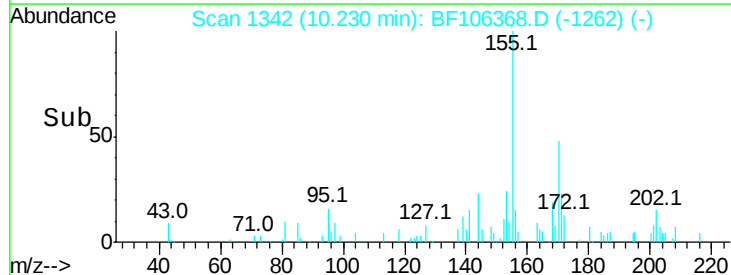
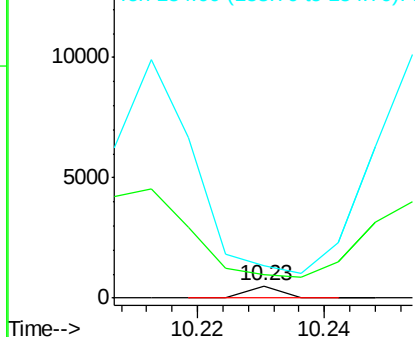


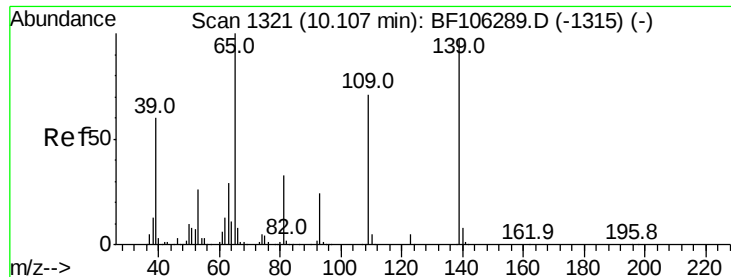
#53
2,4-Dinitrophenol
Concen: 8.721 ng
RT: 10.23 min Scan# 1342
Delta R.T. 0.17 min
Lab File: BF106368.D
Acq: 13 Jun 2018 3:05

Tgt Ion:184 Resp: 175
Ion Ratio Lower Upper
184 100
63 195.2 54.2 81.2#
154 271.8 184.0 276.0



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





#55

4-Nitrophenol

Concen: 2.663 ng

RT: 10.12 min Scan# 1323

Delta R.T. 0.01 min

Lab File: BF106368.D

Acq: 13 Jun 2018 3:05

Instrument :

BNA_F

ClientSampleId :

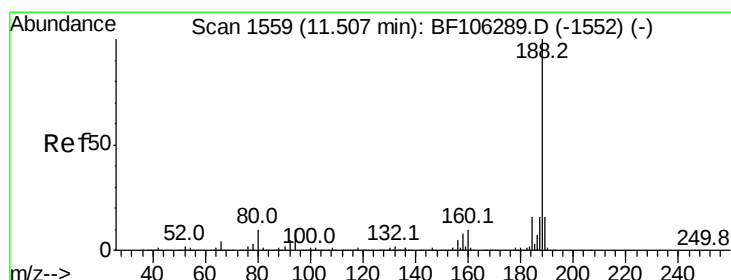
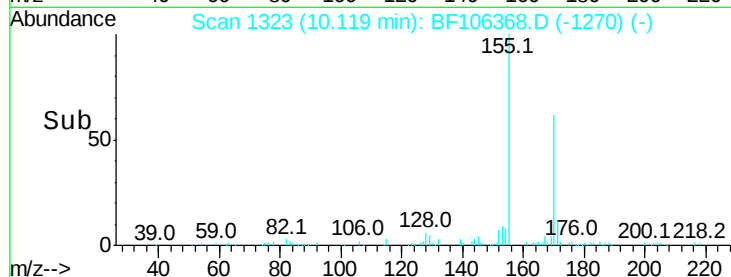
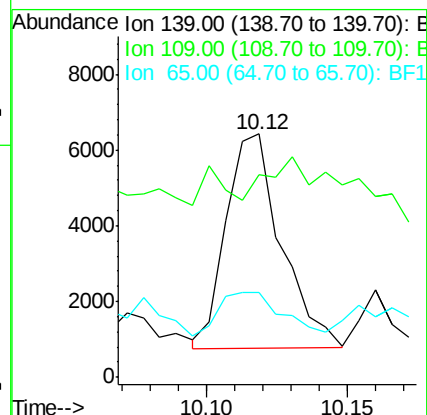
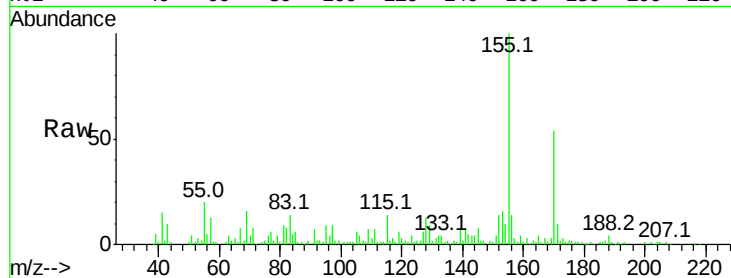
Tot Ion:139 Resp: 7659

Ion Ratio Lower Upper

139 100

109 83.2 48.4 88.4

65 34.7 72.6 112.6#



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BF106368.D

Acq: 13 Jun 2018 3:05

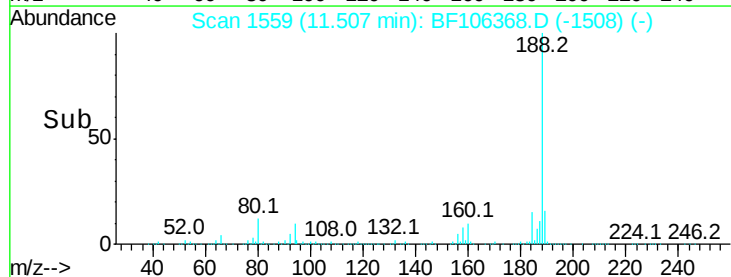
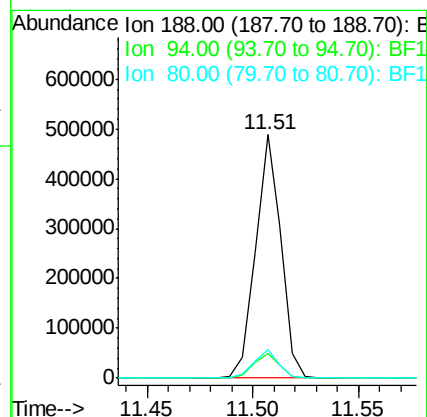
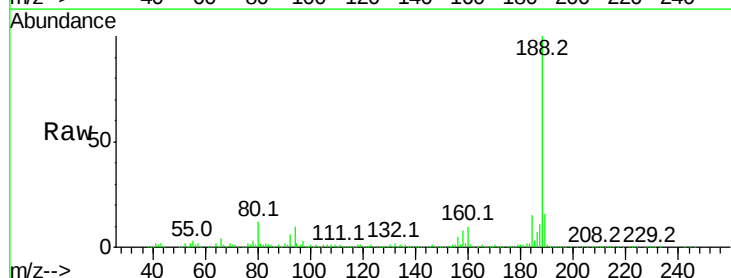
Tgt Ion:188 Resp: 405158

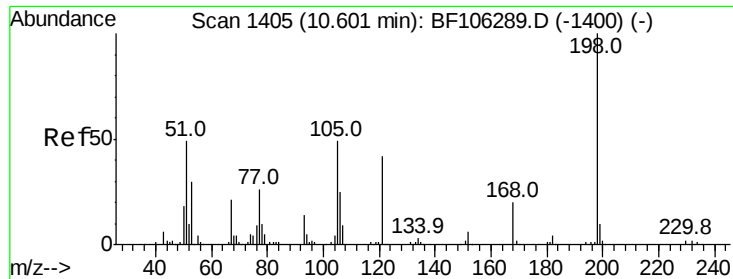
Ion Ratio Lower Upper

188 100

94 10.0 8.5 12.7

80 11.7 9.2 13.8

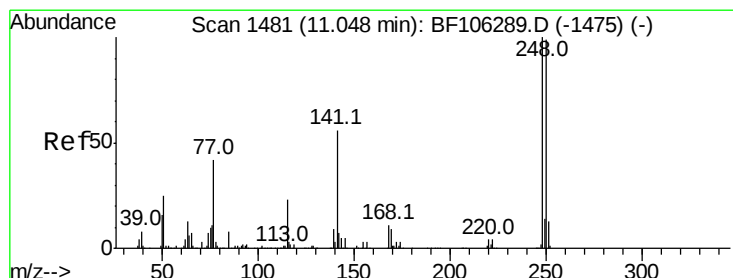
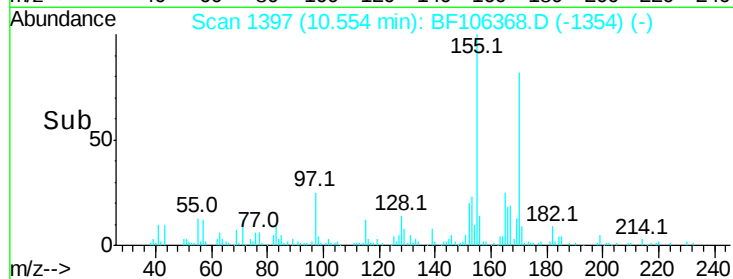
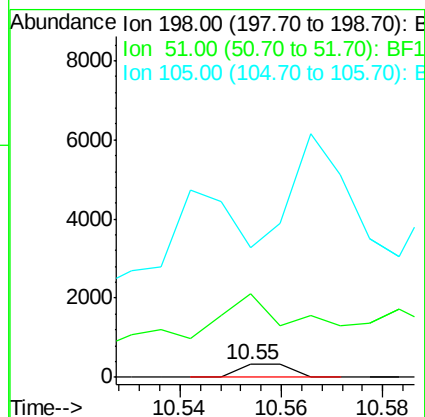
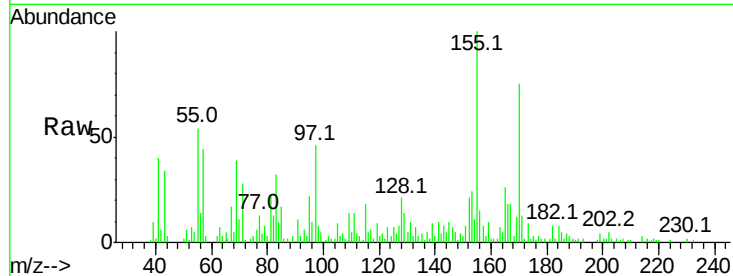




#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.385 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. -0.05 min
 Lab File: BF106368.D
 Acq: 13 Jun 2018 3:05

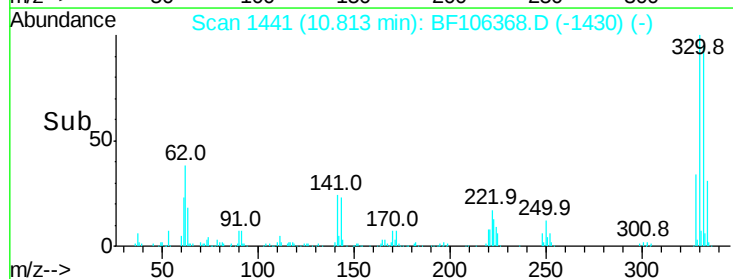
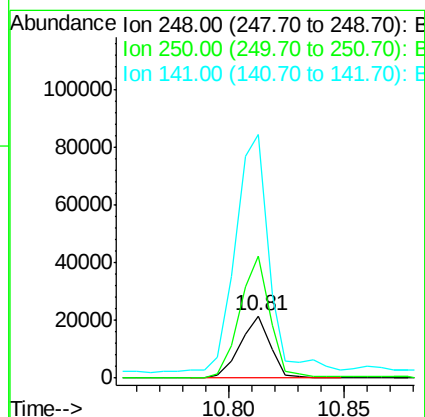
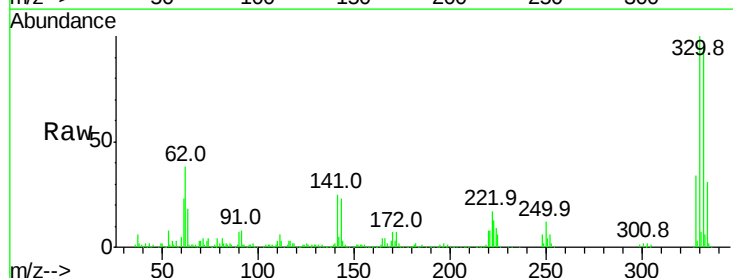
Instrument :
 BNA_F
 ClientSampleId :

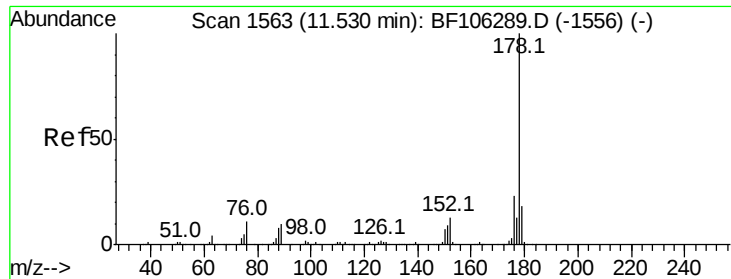
Tot Ion:198 Resp: 228
 Ion Ratio Lower Upper
 198 100
 51 651.5 37.7 77.7#
 105 1009.0 36.3 76.3#



#66
 4-Bromophenyl-phenylether
 Concen: 4.232 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. -0.24 min
 Lab File: BF106368.D
 Acq: 13 Jun 2018 3:05

Tgt Ion:248 Resp: 19501
 Ion Ratio Lower Upper
 248 100
 250 196.0 76.9 115.3#
 141 393.1 74.4 111.6#





#70

Phenanthrene

Concen: 3.756 ng

RT: 11.53 min Scan# 1563

Delta R.T. 0.00 min

Lab File: BF106368.D

Acq: 13 Jun 2018 3:05

Instrument :

BNA_F

ClientSampleId :

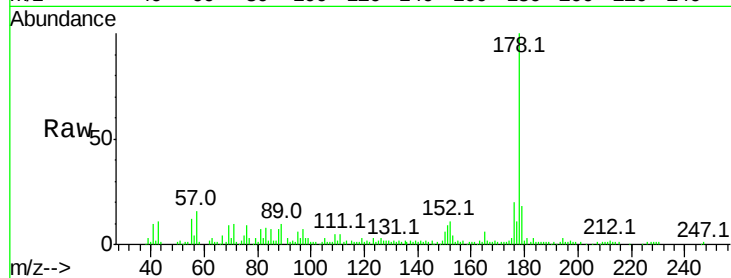
Tot Ion:178 Resp: 74530

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

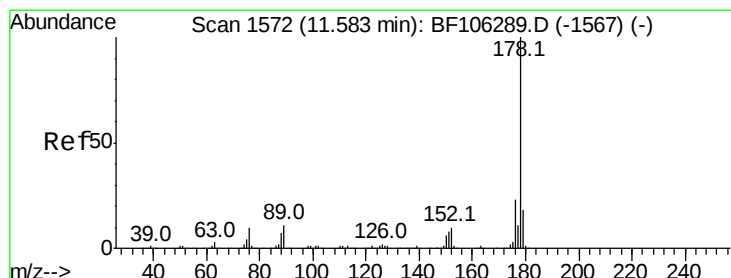
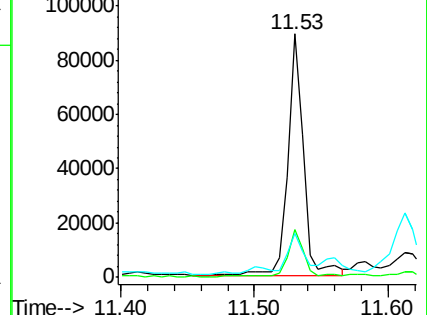
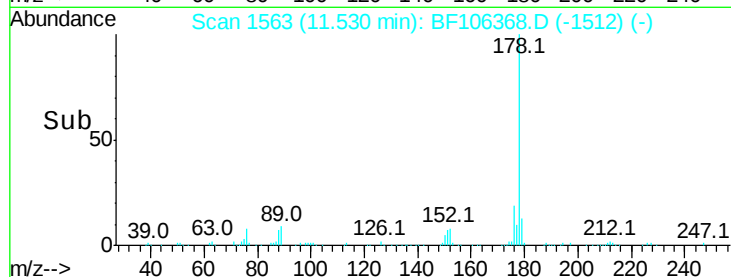
179 18.0 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 3.749 ng

RT: 11.53 min Scan# 1563

Delta R.T. -0.05 min

Lab File: BF106368.D

Acq: 13 Jun 2018 3:05

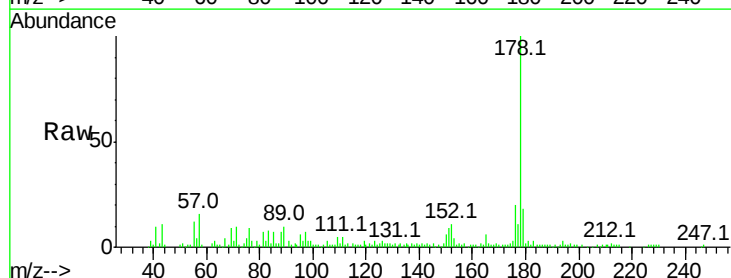
Tgt Ion:178 Resp: 74530

Ion Ratio Lower Upper

178 100

176 19.8 15.4 23.2

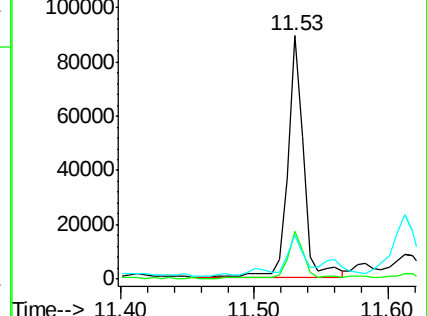
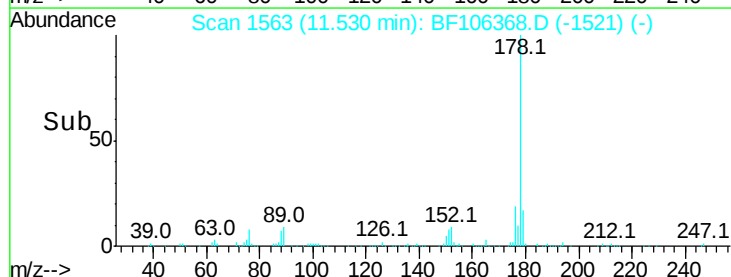
179 18.0 12.6 19.0

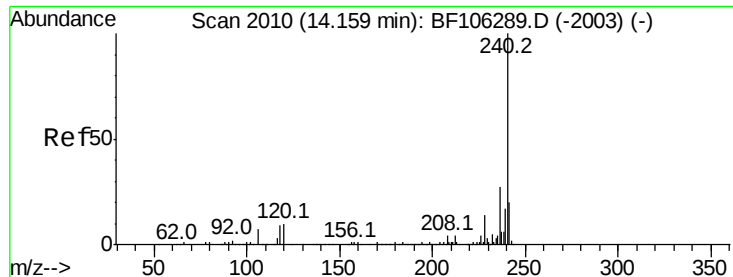


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2010

Delta R.T. 0.00 min

Lab File: BF106368.D

Acq: 13 Jun 2018 3:05

Instrument :

BNA_F

ClientSampleId :

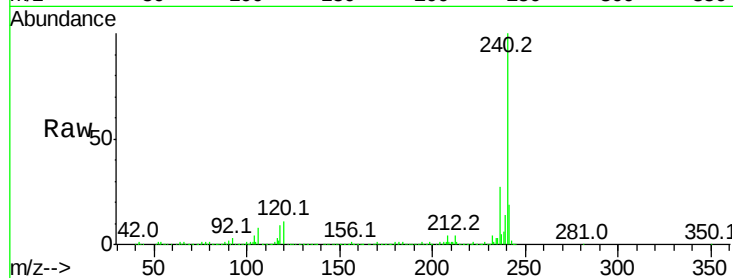
Tot Ion:240 Resp: 450243

Ion Ratio Lower Upper

240 100

120 10.6 9.5 14.3

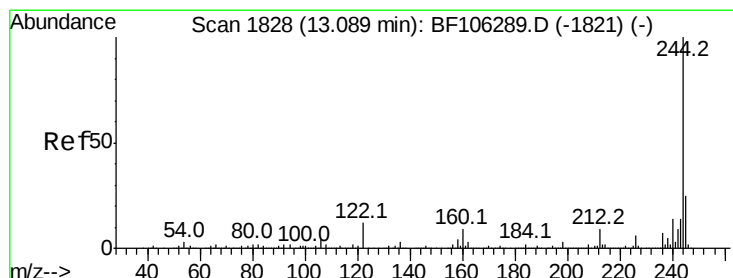
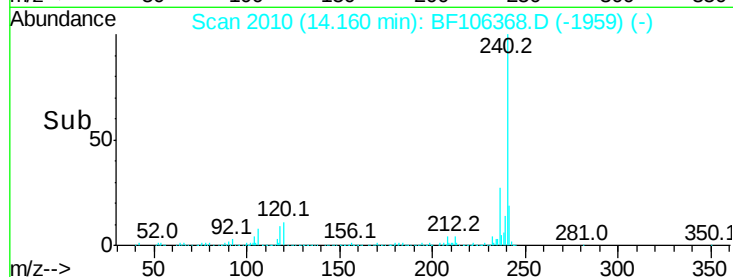
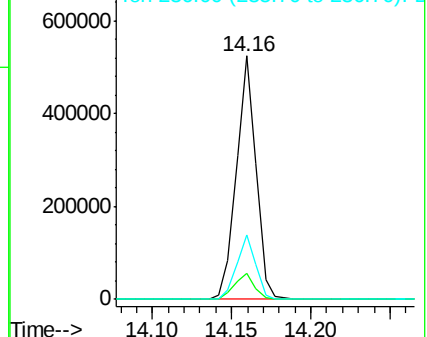
236 26.6 20.7 31.1



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: 76.336 ng

RT: 13.09 min Scan# 1829

Delta R.T. 0.01 min

Lab File: BF106368.D

Acq: 13 Jun 2018 3:05

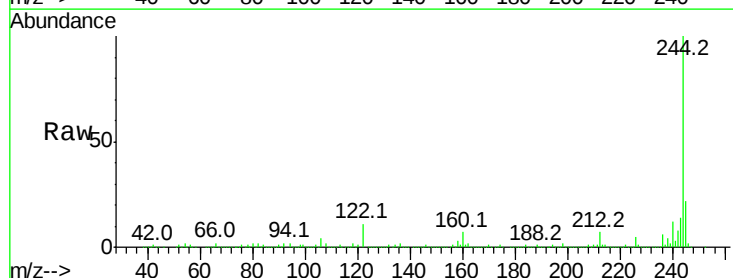
Tgt Ion:244 Resp: 1383765

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

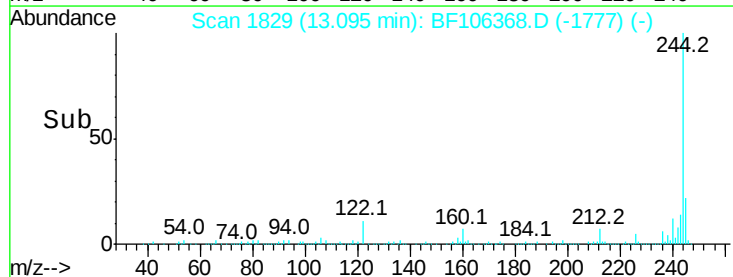
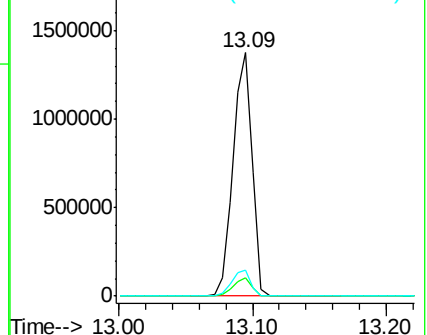
122 10.6 11.0 16.4#

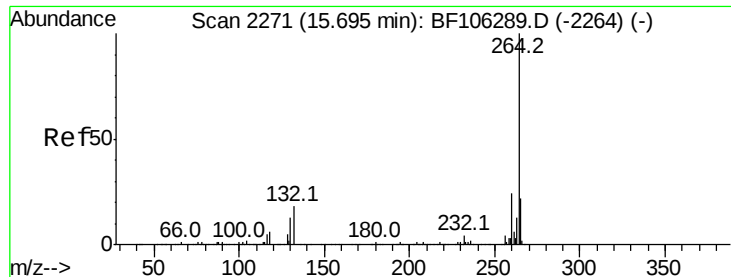


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

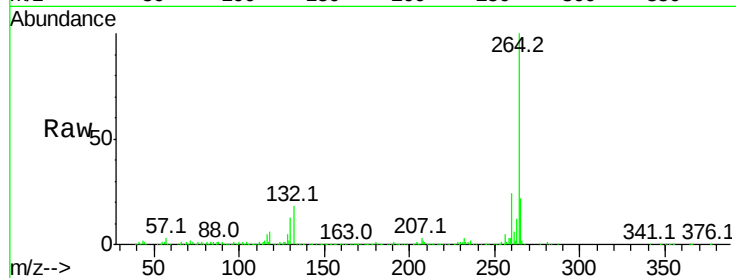




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.71 min Scan# 2273
 Delta R.T. 0.01 min
 Lab File: BF106368.D
 Acq: 13 Jun 2018 3:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.1	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

