

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
 Data File : BF106358.D
 Acq On : 12 Jun 2018 21:24
 Operator : JU/SJ
 Sample : J3425-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PGWPAL-AQ060818

Quant Time: Jun 13 03:44:43 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	6.98	152	159168	20.00	ng	0.01
21) Naphthalene-d8	8.27	136	140049	20.00	ng	0.01
38) Acenaphthene-d10	10.02	164	82370	20.00	ng	0.01
63) Phenanthrene-d10	11.52	188	440838	20.00	ng	0.02
75) Chrysene-d12	14.17	240	438437	20.00	ng	0.00
86) Perylene-d12	15.71	264	306847	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.80	112	1155515	122.87	ng	0.21
7) Phenol-d6	6.66	99	52012	4.38	ng	0.07
23) Nitrobenzene-d5	7.55	82	647314	271.91	ng	0.02
41) 2,4,6-Tribromophenol	10.84	330	359281	453.33	ng	0.04
44) 2-Fluorobiphenyl	9.34	172	1336913	-20.00	ng	0.01
78) Terphenyl-d14	13.10	244	1491736	84.51	ng	0.01

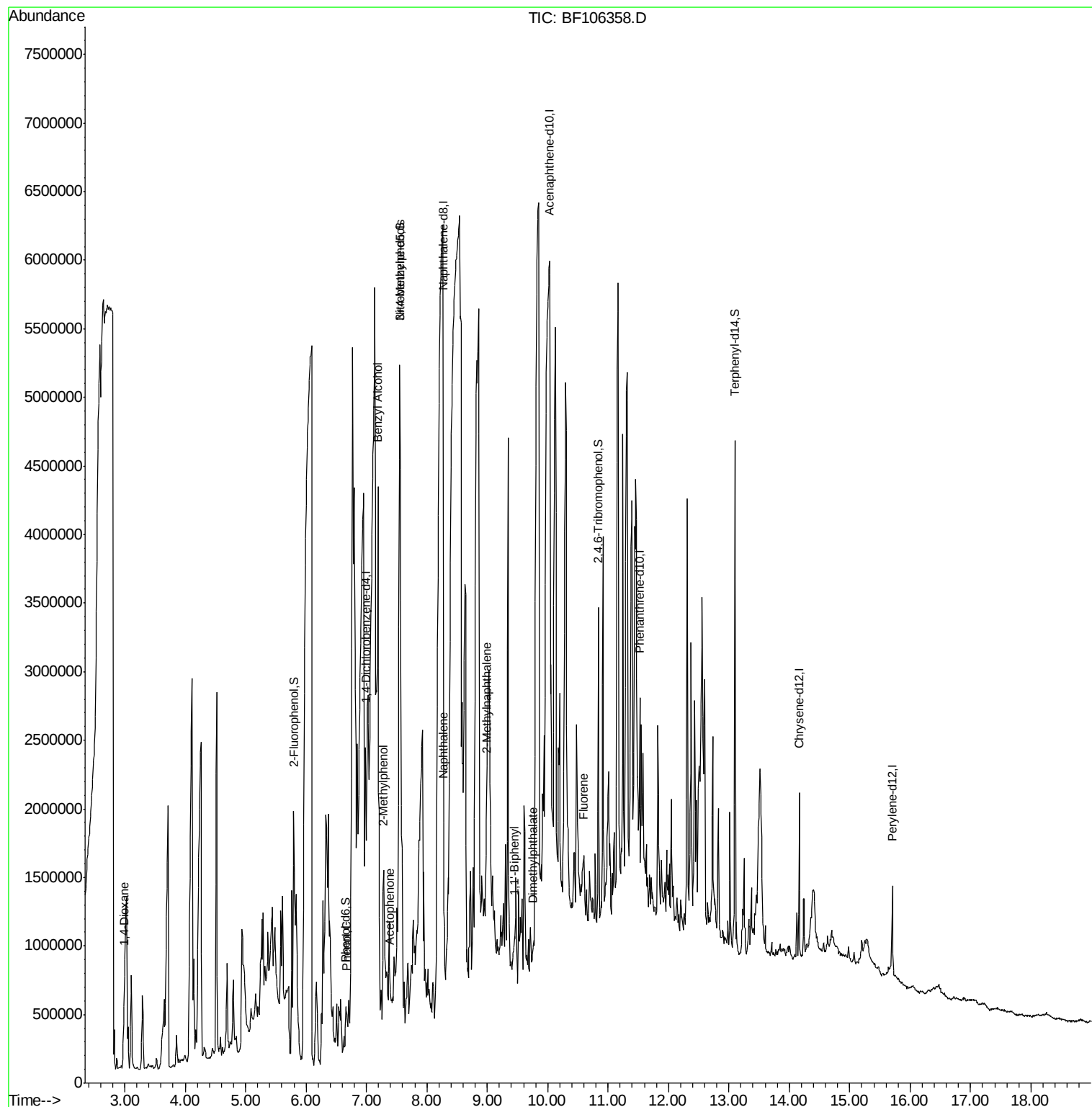
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.98	88	225441	46.320	ng	# 73
10) Phenol	6.68	94	87632	6.756	ng	96
15) Benzyl Alcohol	7.19	79	135208	13.288	ng	95
17) 2-Methylphenol	7.28	107	542262	60.098	ng	98
20) 3+4-Methylphenols	7.55	107	223486	19.368	ng	90
22) Acetophenone	7.40	105	34146	9.675	ng	# 68
31) Naphthalene	8.28	128	212066	33.497	ng	98
37) 2-Methylnaphthalene	8.98	142	100468	23.299	ng	# 95
45) 1,1'-Biphenyl	9.44	154	13322	2.088	ng	82
49) Dimethylphthalate	9.75	163	37618	6.392	ng	# 82
57) Fluorene	10.58	166	10878	2.020	ng	# 76

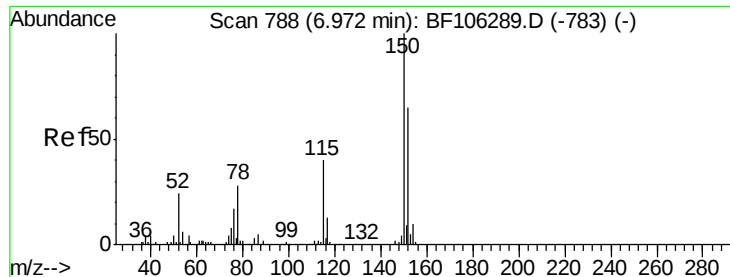
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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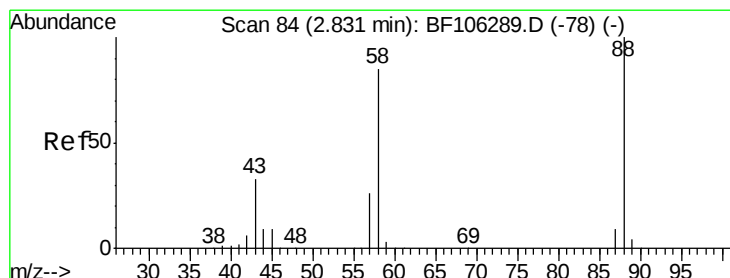
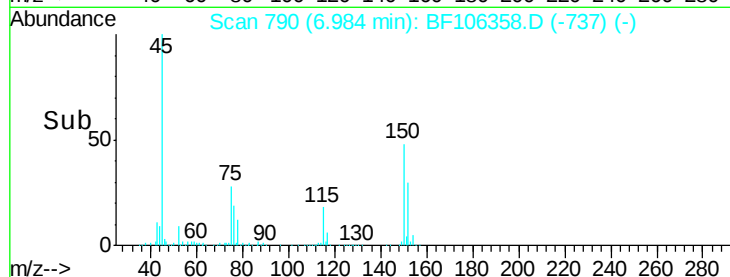
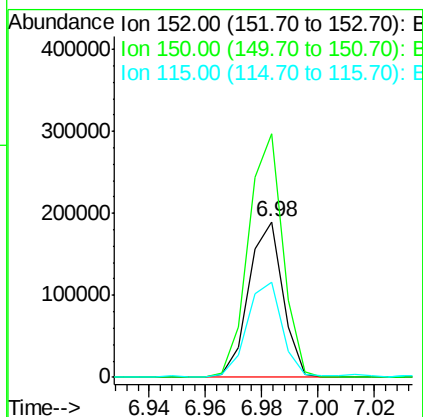
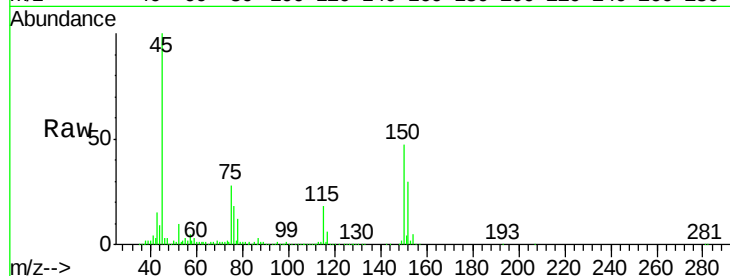


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. 0.01 min
Lab File: BF106358.D
Acq: 12 Jun 2018 21:24

Instrument :
BNA_F
ClientSampleId :
PGWPAL-AQ060818

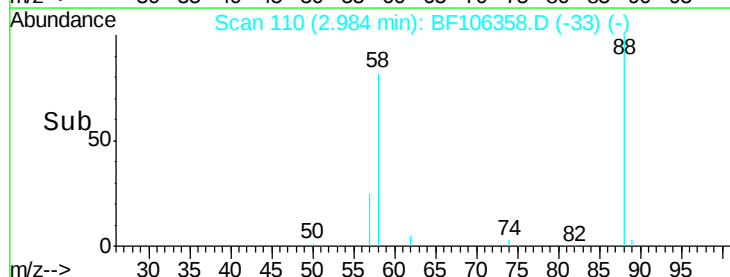
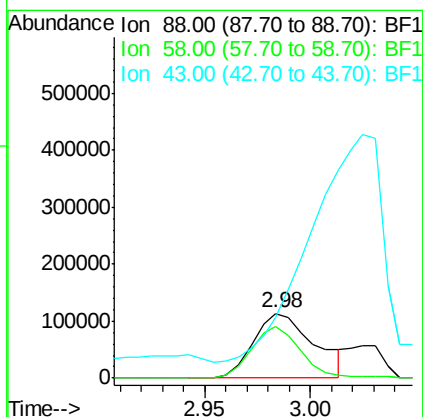
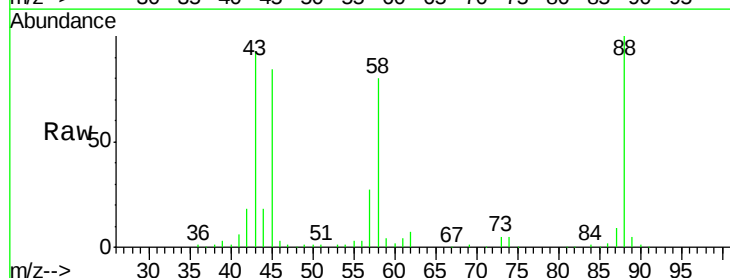
Tot Ion:152 Resp: 159168
Ion Ratio Lower Upper
152 100
150 156.6 124.6 186.8
115 61.1 50.1 75.1

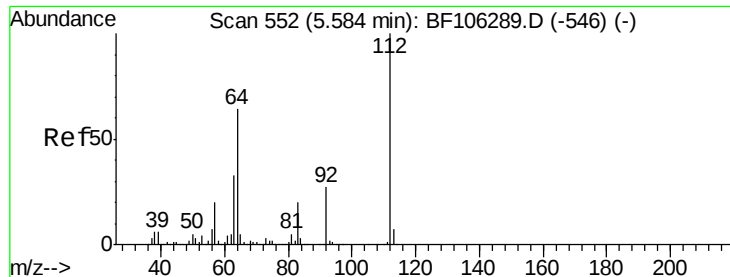


#2

1,4-Dioxane
Concen: 46.320 ng
RT: 2.98 min Scan# 110
Delta R.T. 0.15 min
Lab File: BF106358.D
Acq: 12 Jun 2018 21:24

Tgt Ion: 88 Resp: 225441
Ion Ratio Lower Upper
88 100
58 65.0 62.6 93.8
43 0.0 24.6 37.0#





#5

2-Fluorophenol

Concen: 122.871 ng

RT: 5.80 min Scan# 588

Delta R.T. 0.21 min

Lab File: BF106358.D

Acq: 12 Jun 2018 21:24

Instrument :

BNA_F

ClientSampleId :

PGWPAL-AQ060818

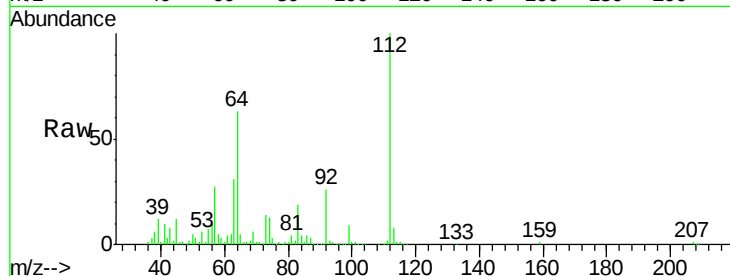
Tot Ion:112 Resp: 115515

Ion Ratio Lower Upper

112 100

64 62.6 47.9 71.9

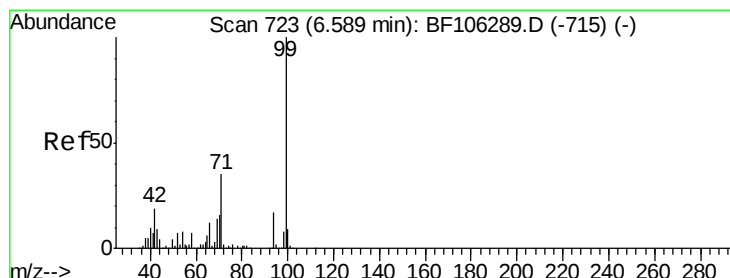
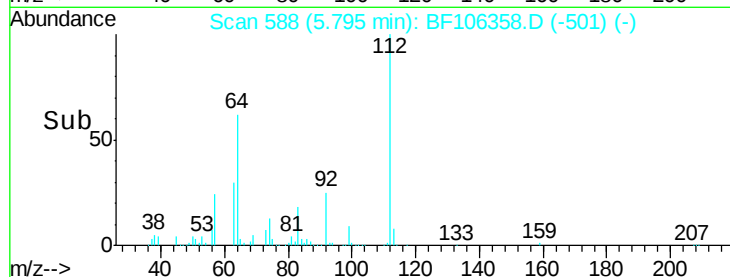
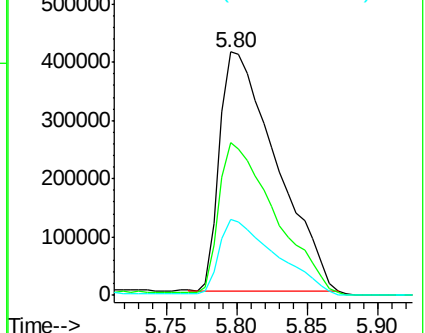
63 31.0 23.7 35.5



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: 4.378 ng

RT: 6.66 min Scan# 735

Delta R.T. 0.07 min

Lab File: BF106358.D

Acq: 12 Jun 2018 21:24

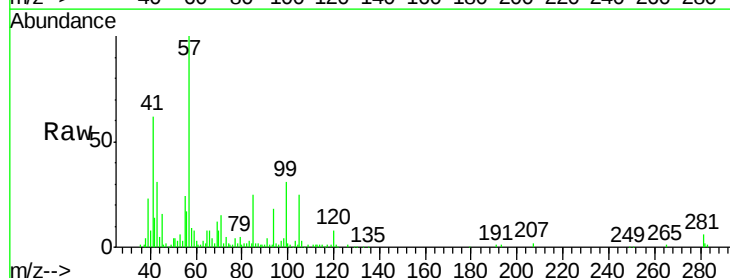
Tgt Ion: 99 Resp: 52012

Ion Ratio Lower Upper

99 100

42 42.9 14.5 21.7#

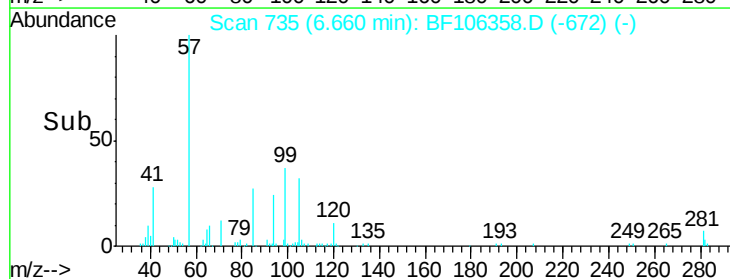
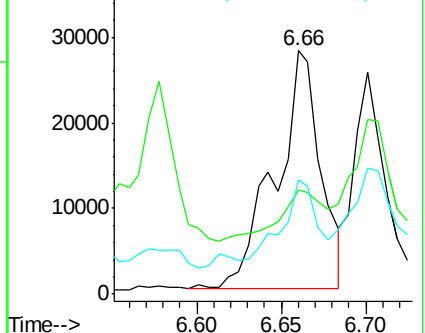
71 47.1 25.4 38.0#

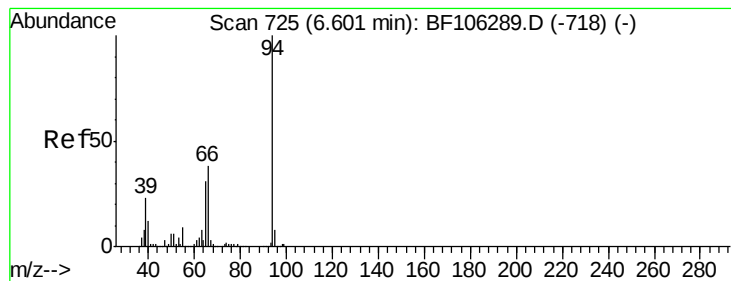


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#10

Phenol

Concen: 6.756 ng

RT: 6.68 min Scan# 738

Delta R.T. 0.08 min

Lab File: BF106358.D

Acq: 12 Jun 2018 21:24

Instrument :

BNA_F

ClientSampleId :

PGWPAL-AQ060818

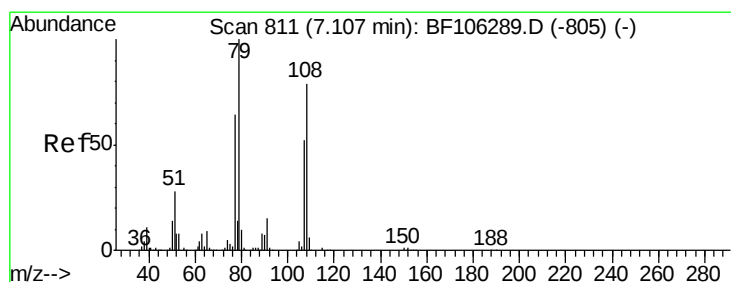
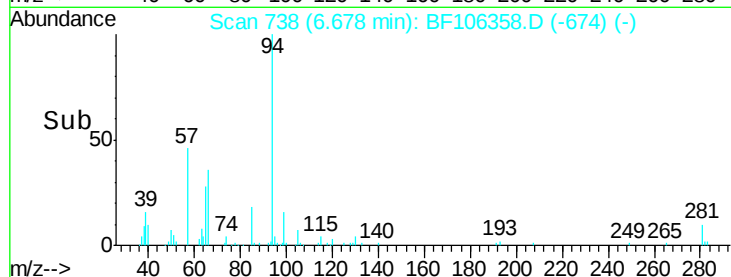
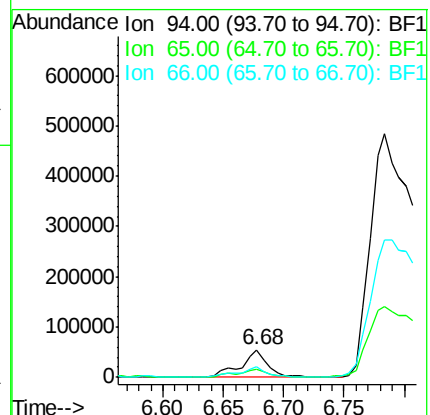
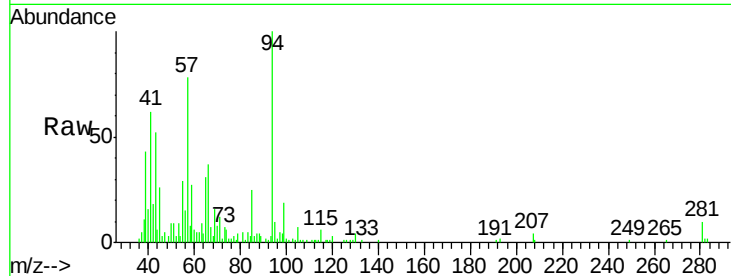
Tot Ion: 94 Resp: 87632

Ion Ratio Lower Upper

94 100

65 31.1 7.9 47.9

66 37.1 16.2 56.2



#15

Benzyl Alcohol

Concen: 13.288 ng

RT: 7.19 min Scan# 825

Delta R.T. 0.08 min

Lab File: BF106358.D

Acq: 12 Jun 2018 21:24

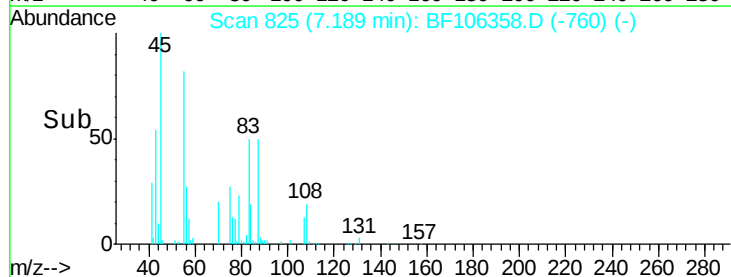
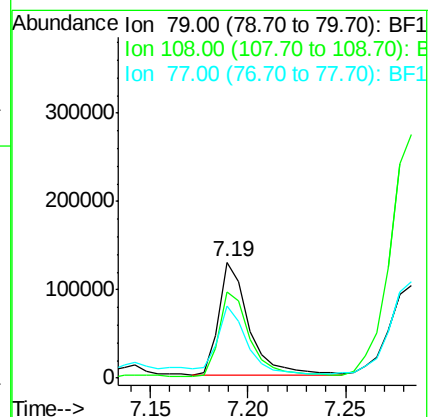
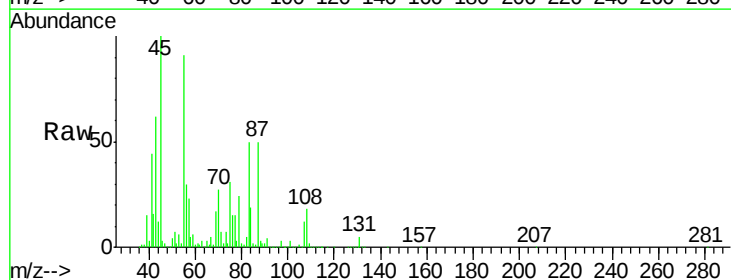
Tgt Ion: 79 Resp: 135208

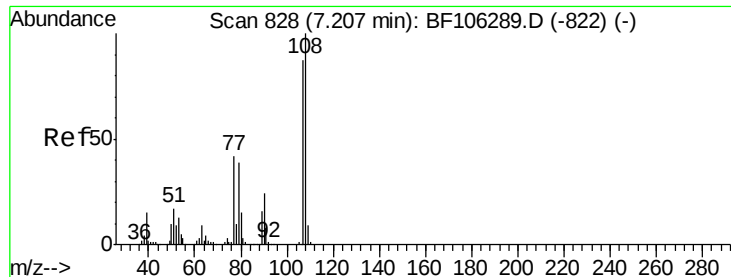
Ion Ratio Lower Upper

79 100

108 74.7 65.1 97.7

77 62.1 50.6 75.8

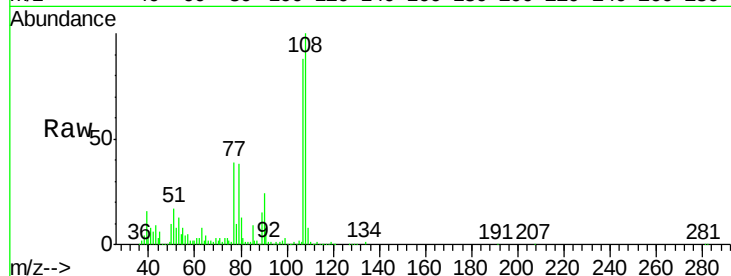




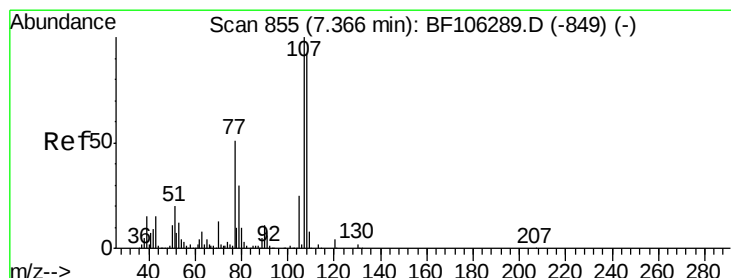
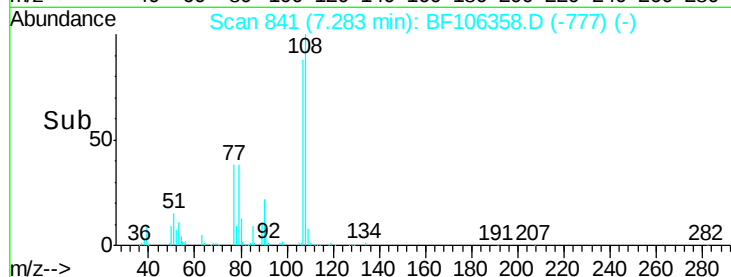
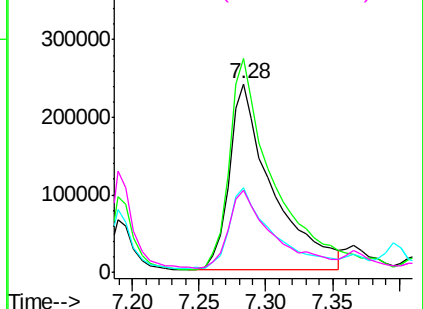
#17
2-Methylphenol
Concen: 60.098 ng
RT: 7.28 min Scan# 841
Delta R.T. 0.08 min
Lab File: BF106358.D
Acq: 12 Jun 2018 21:24

Instrument :
BNA_F
ClientSampleId :
PGWPAL-AQ060818

Tot Ion:107 Resp: 542262
Ion Ratio Lower Upper
107 100
108 113.2 91.7 137.5
77 44.6 33.8 50.8
79 43.2 33.8 50.8

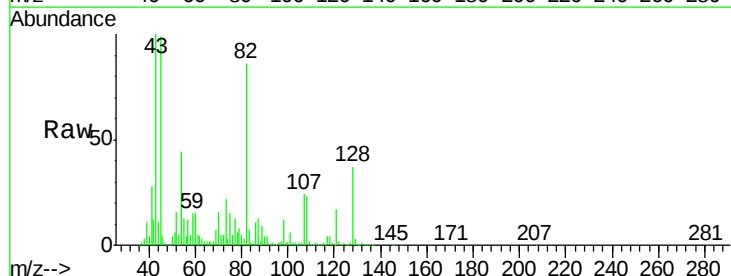


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

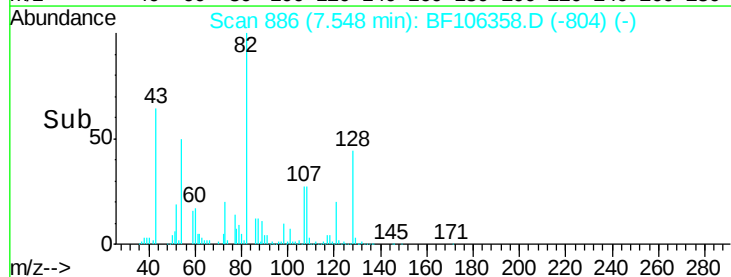
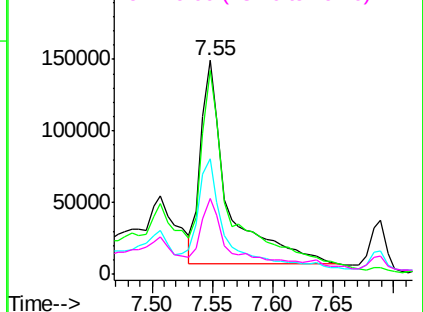


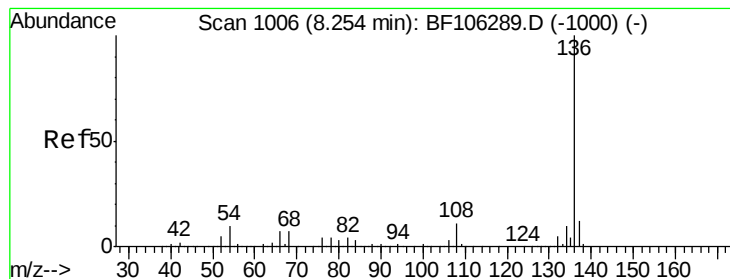
#20
3+4-Methylphenols
Concen: 19.368 ng
RT: 7.55 min Scan# 886
Delta R.T. 0.18 min
Lab File: BF106358.D
Acq: 12 Jun 2018 21:24

Tgt Ion:107 Resp: 223486
Ion Ratio Lower Upper
107 100
108 95.2 68.2 108.2
77 53.7 26.7 66.7
79 35.3 6.3 46.3



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.27 min Scan# 1008

Delta R.T. 0.01 min

Lab File: BF106358.D

Acq: 12 Jun 2018 21:24

Instrument :

BNA_F

ClientSampleId :

PGWPAL-AQ060818

Tot Ion:136 Resp: 140049

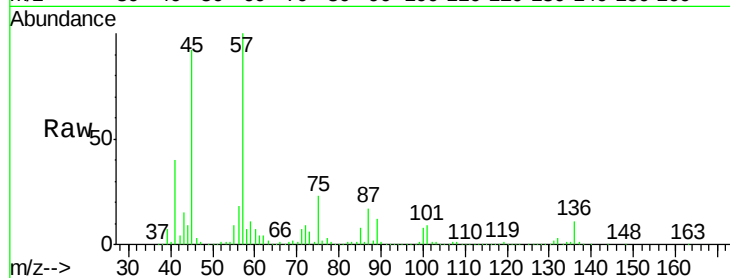
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 10.9 6.6 9.8#

68 6.7 5.0 7.4

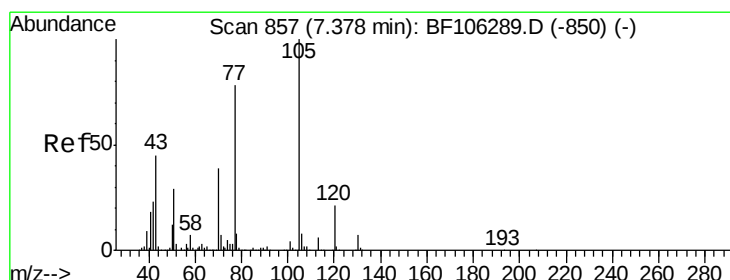
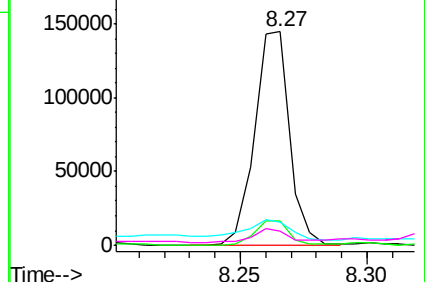
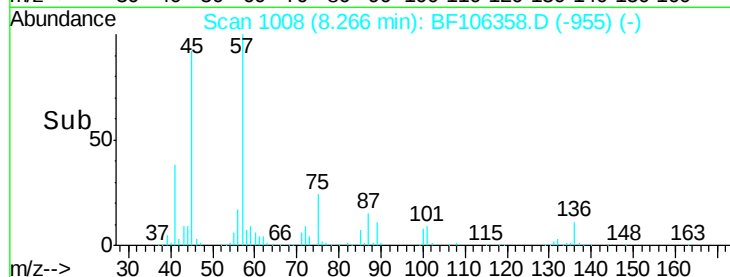


Abundance Ion 136.00 (135.70 to 136.70): E

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: 9.675 ng

RT: 7.40 min Scan# 860

Delta R.T. 0.02 min

Lab File: BF106358.D

Acq: 12 Jun 2018 21:24

Tgt Ion:105 Resp: 34146

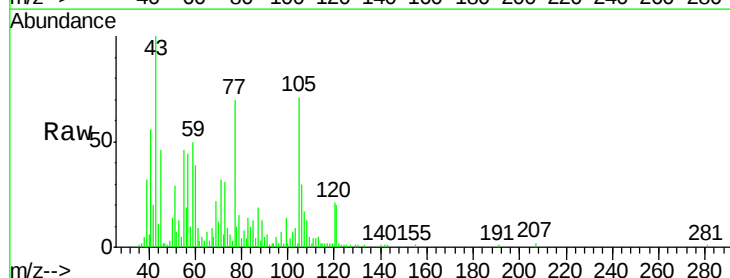
Ion Ratio Lower Upper

105 100

71 44.9 4.4 6.6#

51 41.3 22.3 33.5#

120 29.2 16.9 25.3#

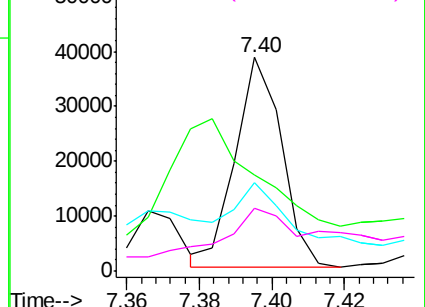
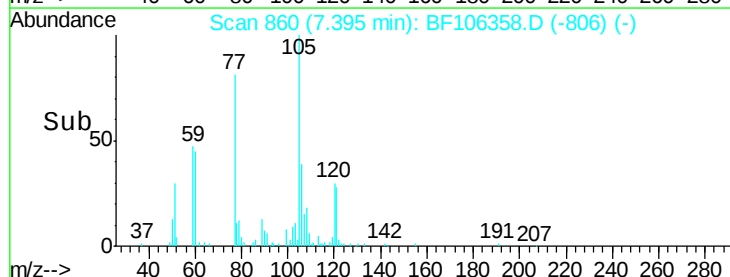


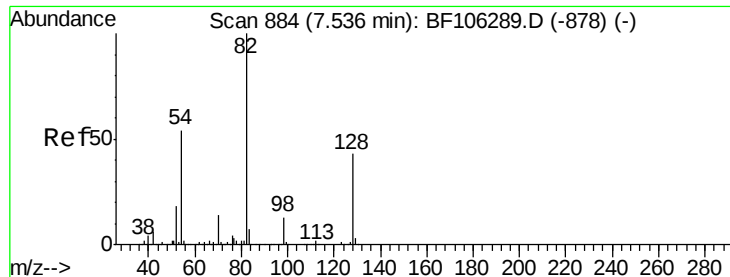
Abundance Ion 105.00 (104.70 to 105.70): E

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

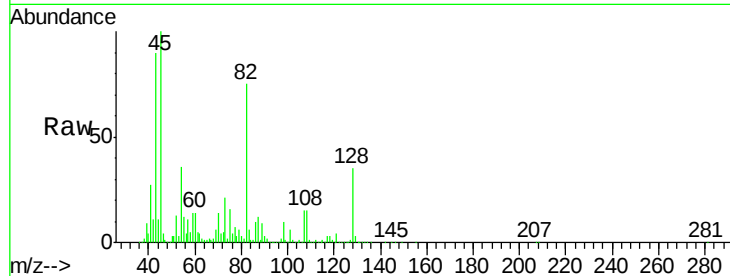




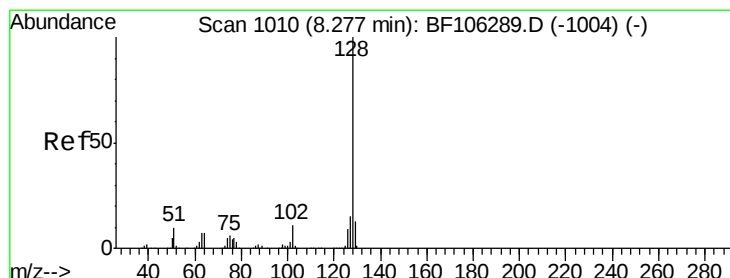
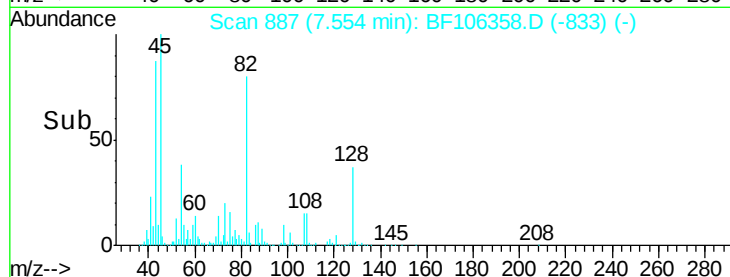
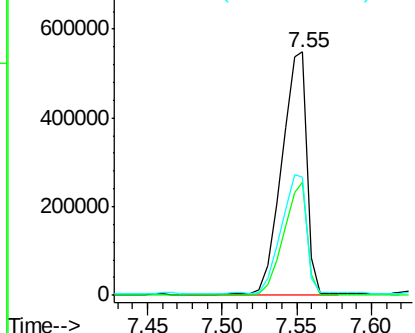
#23
Nitrobenzene-d5
Concen: 271.909 ng
RT: 7.55 min Scan# 887
Delta R.T. 0.02 min
Lab File: BF106358.D
Acq: 12 Jun 2018 21:24

Instrument :
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PGWPAL-AQ060818

Tot Ion	82	Resp	647314
Ion Ratio	Lower	Upper	
82	100		
128	46.3	36.1	54.1
54	48.3	41.4	62.2

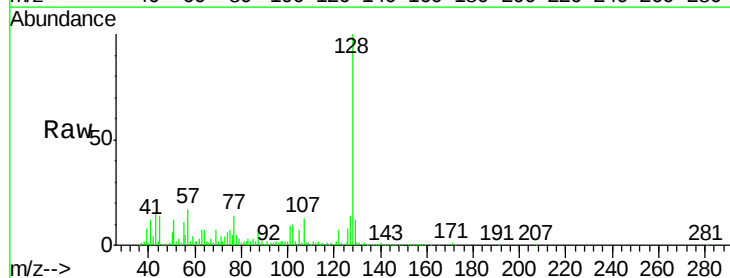


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF1

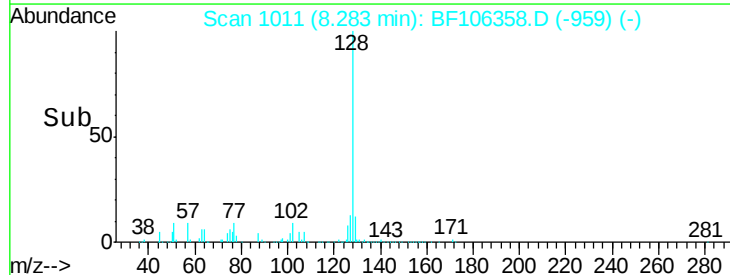
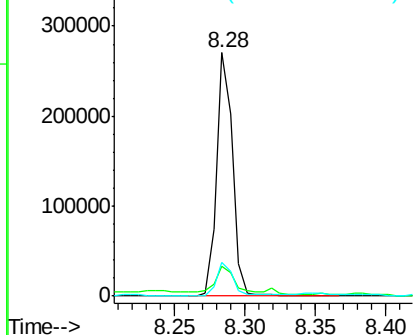


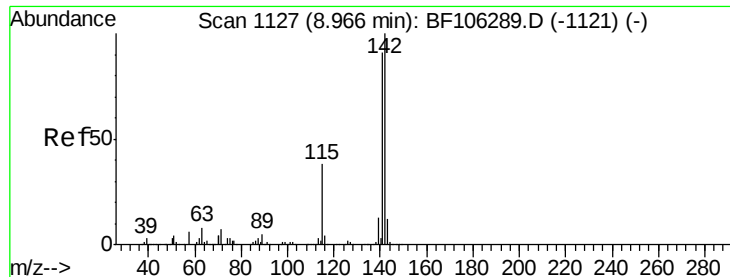
#31
Naphthalene
Concen: 33.497 ng
RT: 8.28 min Scan# 1011
Delta R.T. 0.01 min
Lab File: BF106358.D
Acq: 12 Jun 2018 21:24

Tgt Ion	128	Resp	212066
Ion Ratio	Lower	Upper	
128	100		
129	12.3	8.8	13.2
127	13.7	10.9	16.3



Abundance Ion 128.00 (127.70 to 128.70): B
Ion 129.00 (128.70 to 129.70): B
Ion 127.00 (126.70 to 127.70): B





#37

2-Methylnaphthalene

Concen: 23.299 ng

RT: 8.98 min Scan# 1130

Delta R.T. 0.02 min

Lab File: BF106358.D

Acq: 12 Jun 2018 21:24

Instrument :

BNA_F

ClientSampleId :

PGWPAL-AQ060818

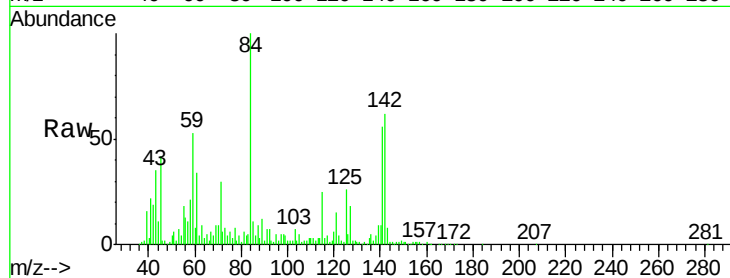
Tot Ion:142 Resp: 100468

Ion Ratio Lower Upper

142 100

141 90.4 70.8 106.2

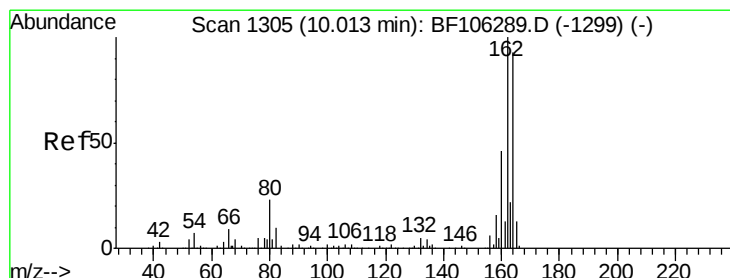
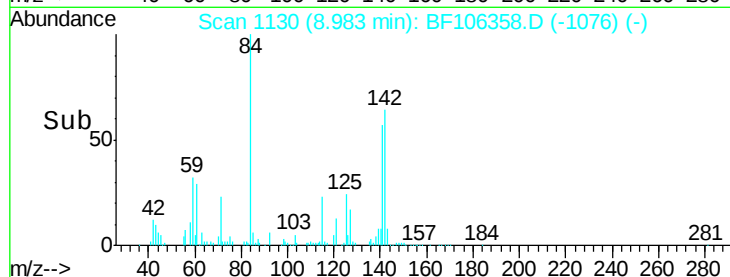
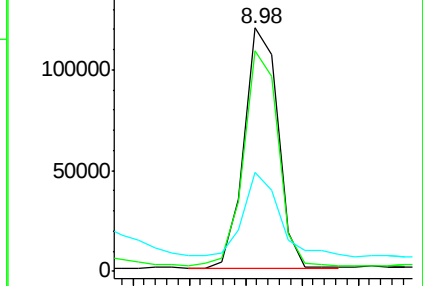
115 40.6 26.1 39.1#



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: 10.02 min Scan# 1307

Delta R.T. 0.01 min

Lab File: BF106358.D

Acq: 12 Jun 2018 21:24

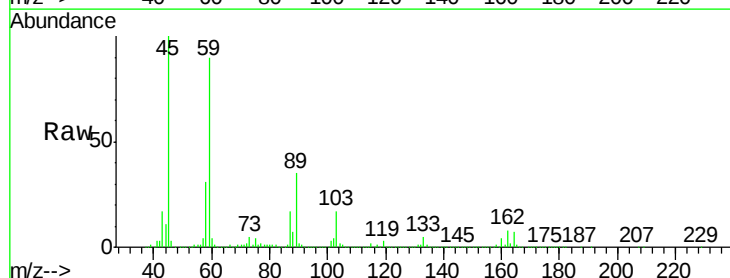
Tgt Ion:164 Resp: 82370

Ion Ratio Lower Upper

164 100

162 103.8 86.1 129.1

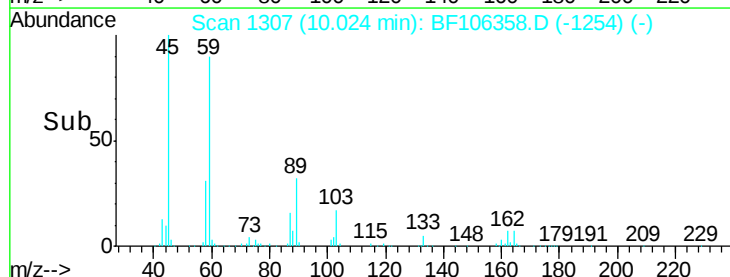
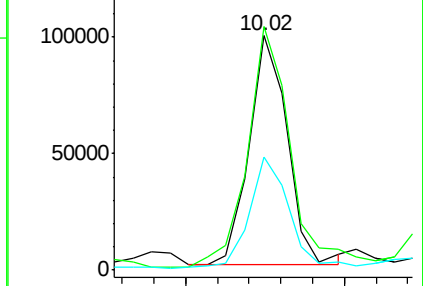
160 48.1 38.3 57.5

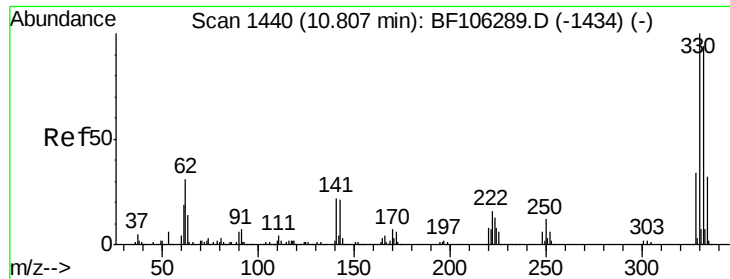


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

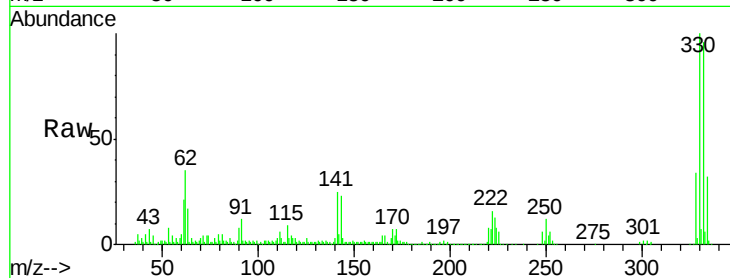




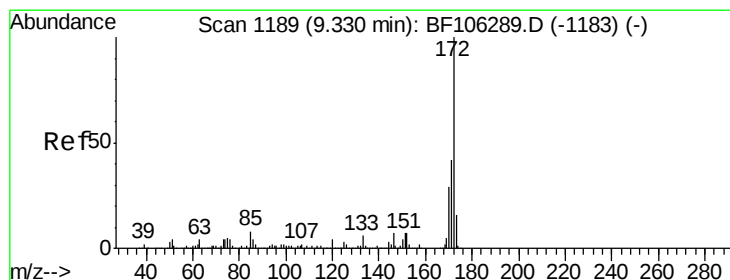
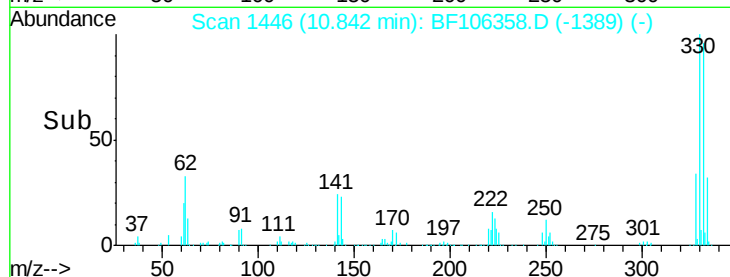
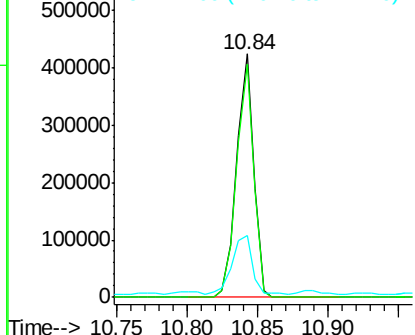
#41
 2,4,6-Tribromophenol
 Concen: 453.327 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. 0.04 min
 Lab File: BF106358.D
 Acq: 12 Jun 2018 21:24

Instrument :
 BNA_F
 ClientSampleId :
 PGWPAL-AQ060818

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	28.2	29.9	44.9#

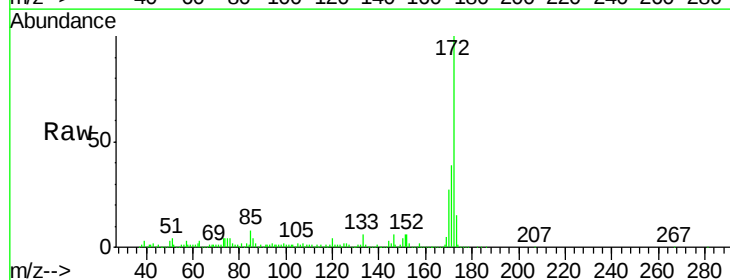


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

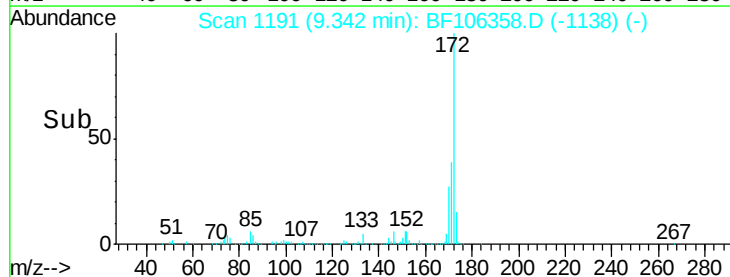
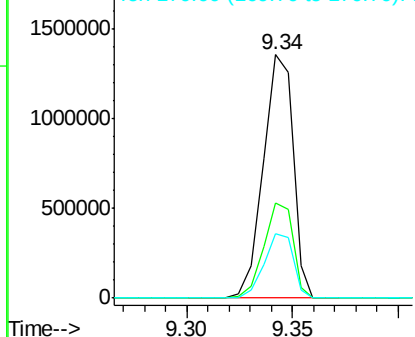


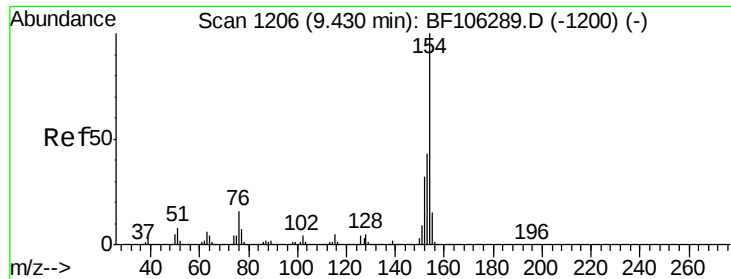
#44
 2-Fluorobiphenyl
 Concen: -20.000 ng
 RT: 9.34 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: BF106358.D
 Acq: 12 Jun 2018 21:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.2	29.7	44.5
170	26.6	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

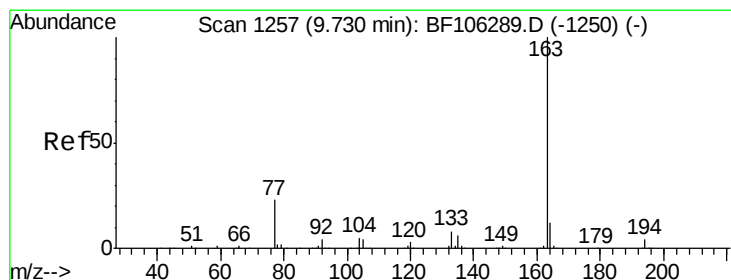
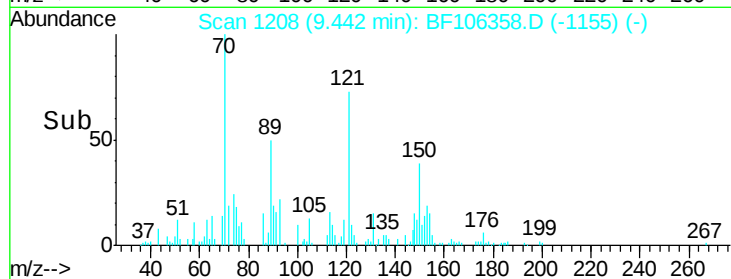
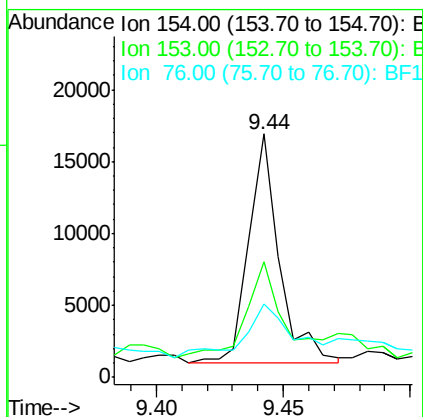
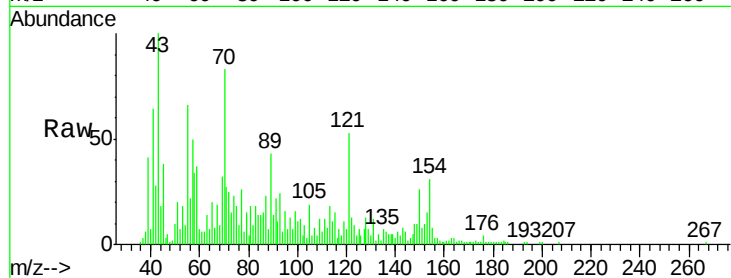




#45
 1,1'-Biphenyl
 Concen: 2.088 ng
 RT: 9.44 min Scan# 1208
 Delta R.T. 0.01 min
 Lab File: BF106358.D
 Acq: 12 Jun 2018 21:24

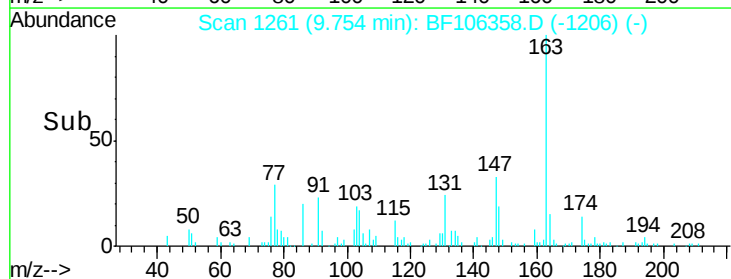
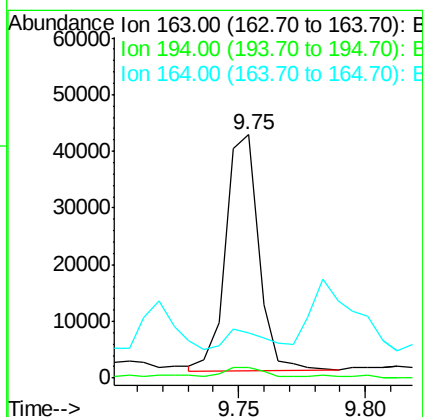
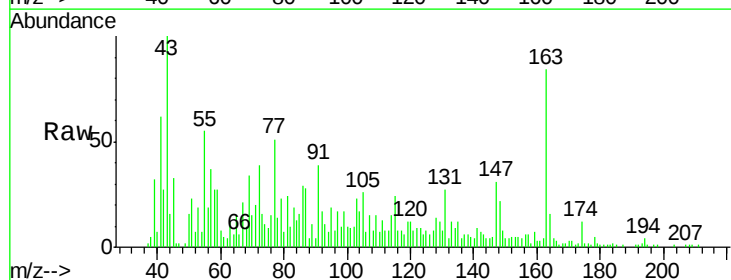
Instrument :
 BNA_F
 ClientSampleId :
 PGWPAL-AQ060818

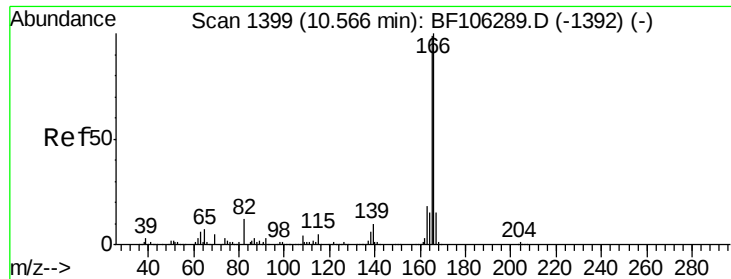
Tot Ion:154 Resp: 13322
 Ion Ratio Lower Upper
 154 100
 153 47.7 21.3 61.3
 76 29.9 0.0 34.0



#49
 Dimethylphthalate
 Concen: 6.392 ng
 RT: 9.75 min Scan# 1261
 Delta R.T. 0.02 min
 Lab File: BF106358.D
 Acq: 12 Jun 2018 21:24

Tgt Ion:163 Resp: 37618
 Ion Ratio Lower Upper
 163 100
 194 4.3 2.7 4.1#
 164 18.6 8.2 12.2#

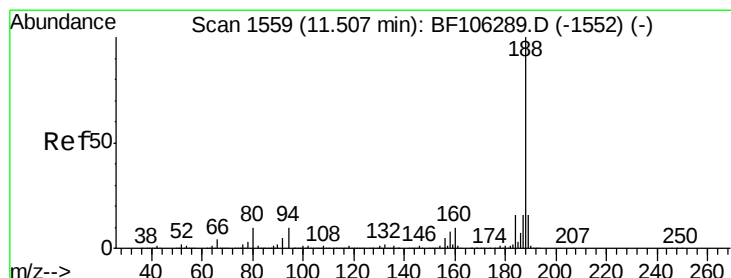
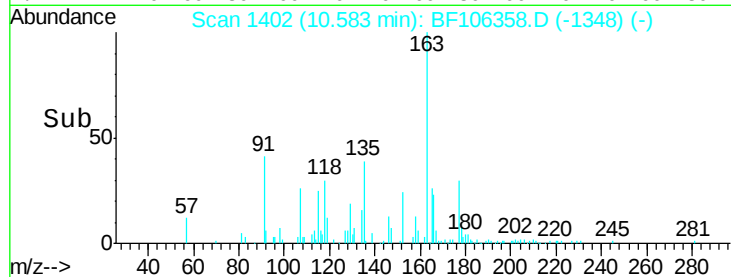
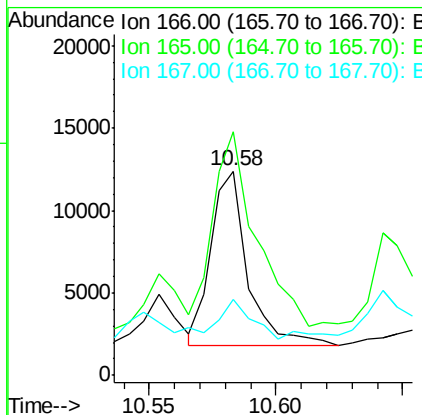
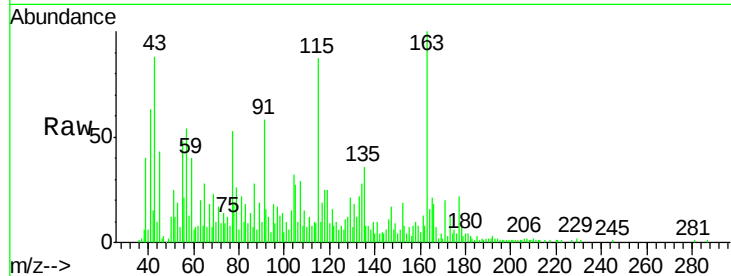




#57
 Fluorene
 Concen: 2.020 ng
 RT: 10.58 min Scan# 1402
 Delta R.T. 0.02 min
 Lab File: BF106358.D
 Acq: 12 Jun 2018 21:24

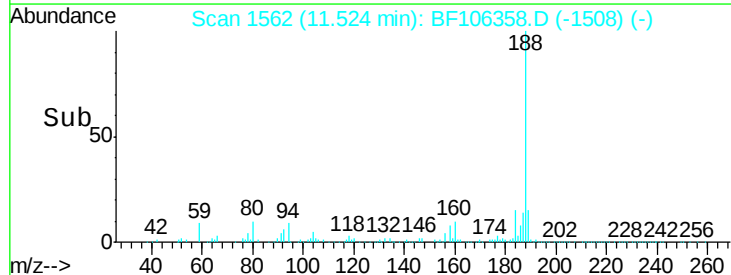
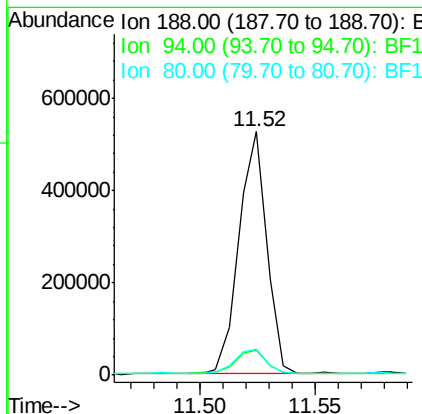
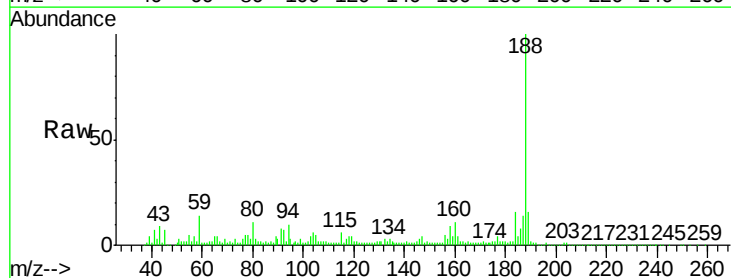
Instrument :
 BNA_F
 ClientSampleId :
 PGWPAL-AQ060818

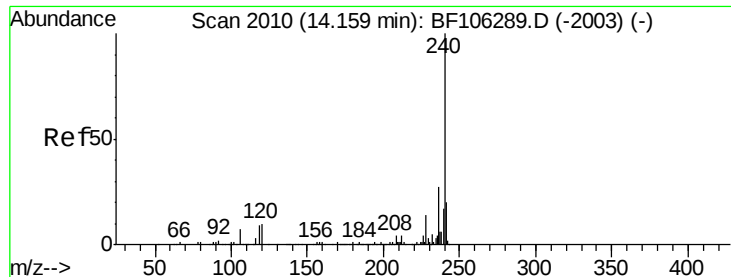
Tot Ion:166 Resp: 10878
 Ion Ratio Lower Upper
 166 100
 165 119.2 79.8 119.8
 167 36.9 10.6 16.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.52 min Scan# 1562
 Delta R.T. 0.02 min
 Lab File: BF106358.D
 Acq: 12 Jun 2018 21:24

Tgt Ion:188 Resp: 440838
 Ion Ratio Lower Upper
 188 100
 94 9.9 8.5 12.7
 80 10.6 9.2 13.8





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BF106358.D

Acq: 12 Jun 2018 21:24

Instrument :

BNA_F

ClientSampleId :

PGWPAL-AQ060818

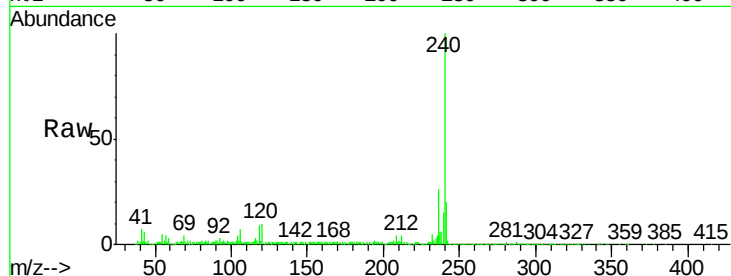
Tot Ion:240 Resp: 438437

Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

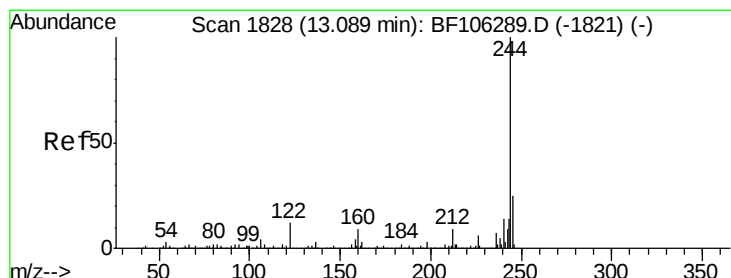
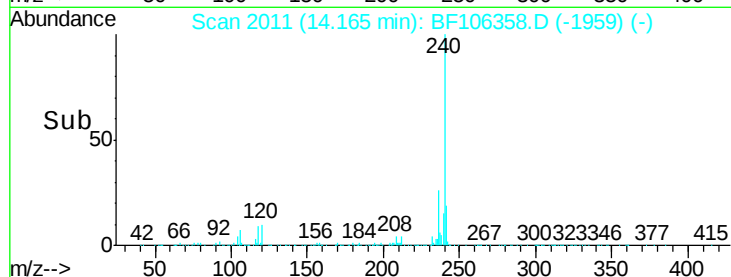
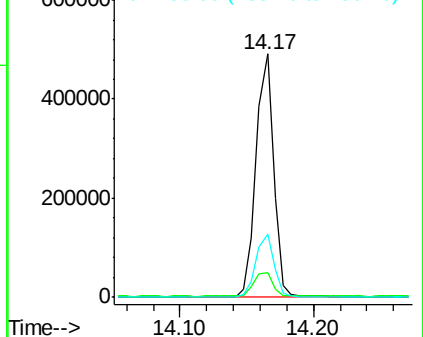
236 26.2 20.7 31.1



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: 84.508 ng

RT: 13.10 min Scan# 1830

Delta R.T. 0.01 min

Lab File: BF106358.D

Acq: 12 Jun 2018 21:24

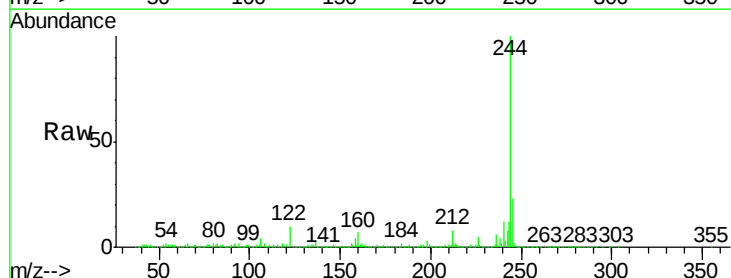
Tgt Ion:244 Resp: 1491736

Ion Ratio Lower Upper

244 100

212 7.8 5.4 8.0

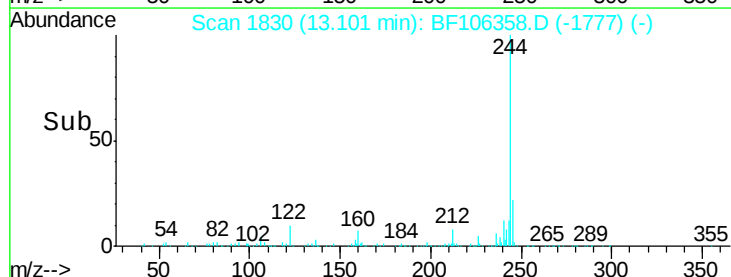
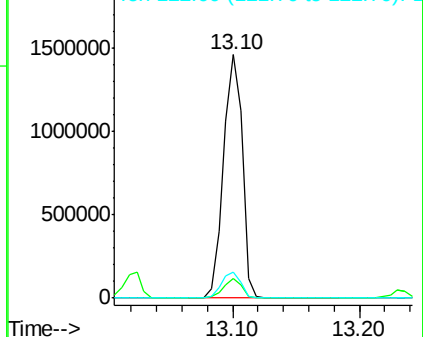
122 10.5 11.0 16.4#

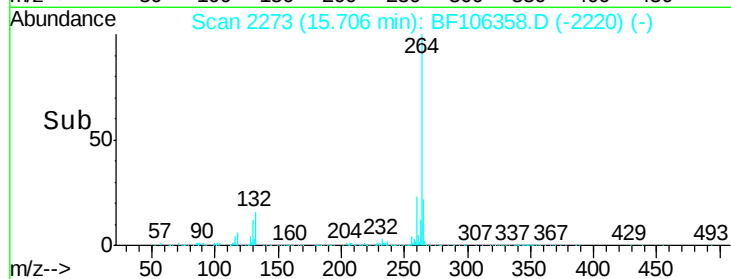
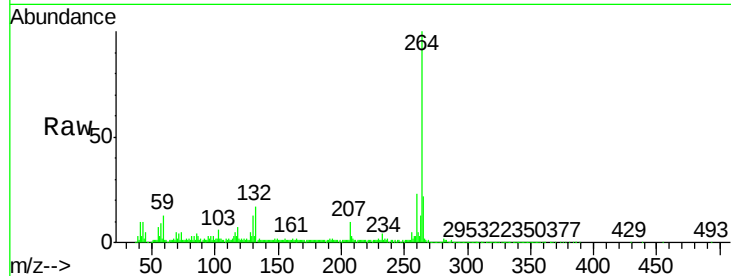
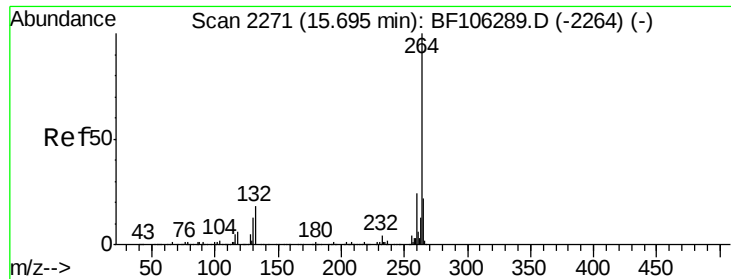


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.71 min Scan# 2273
 Delta R.T. 0.01 min
 Lab File: BF106358.D
 Acq: 12 Jun 2018 21:24

Instrument :
 BNA_F
 ClientSampleId :
 PGWPAL-AQ060818

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.4	17.5	26.3

