

Data Path : U:\HPCHEM1\BNA F\DATA\BF011718\
 Data File : BF102187.D
 Acq On : 18 Jan 2018 9:02
 Operator : SJ/JU
 Sample : J1144-03DL 2X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IGW-3DL

Quant Time: Jan 18 09:49:54 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 17 15:28:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	147101	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	530737	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	219961	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	310753	20.00	ng	0.00
75) Chrysene-d12	13.86	240	261679	20.00	ng	-0.01
86) Perylene-d12	15.28	264	253751	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	556732	53.44	ng	0.00
7) Phenol-d6	6.35	99	660659	53.15	ng	0.00
23) Nitrobenzene-d5	7.29	82	390097	43.19	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	99004	51.58	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	680414	48.33	ng	0.00
78) Terphenyl-d14	12.82	244	438839	34.82	ng	0.00

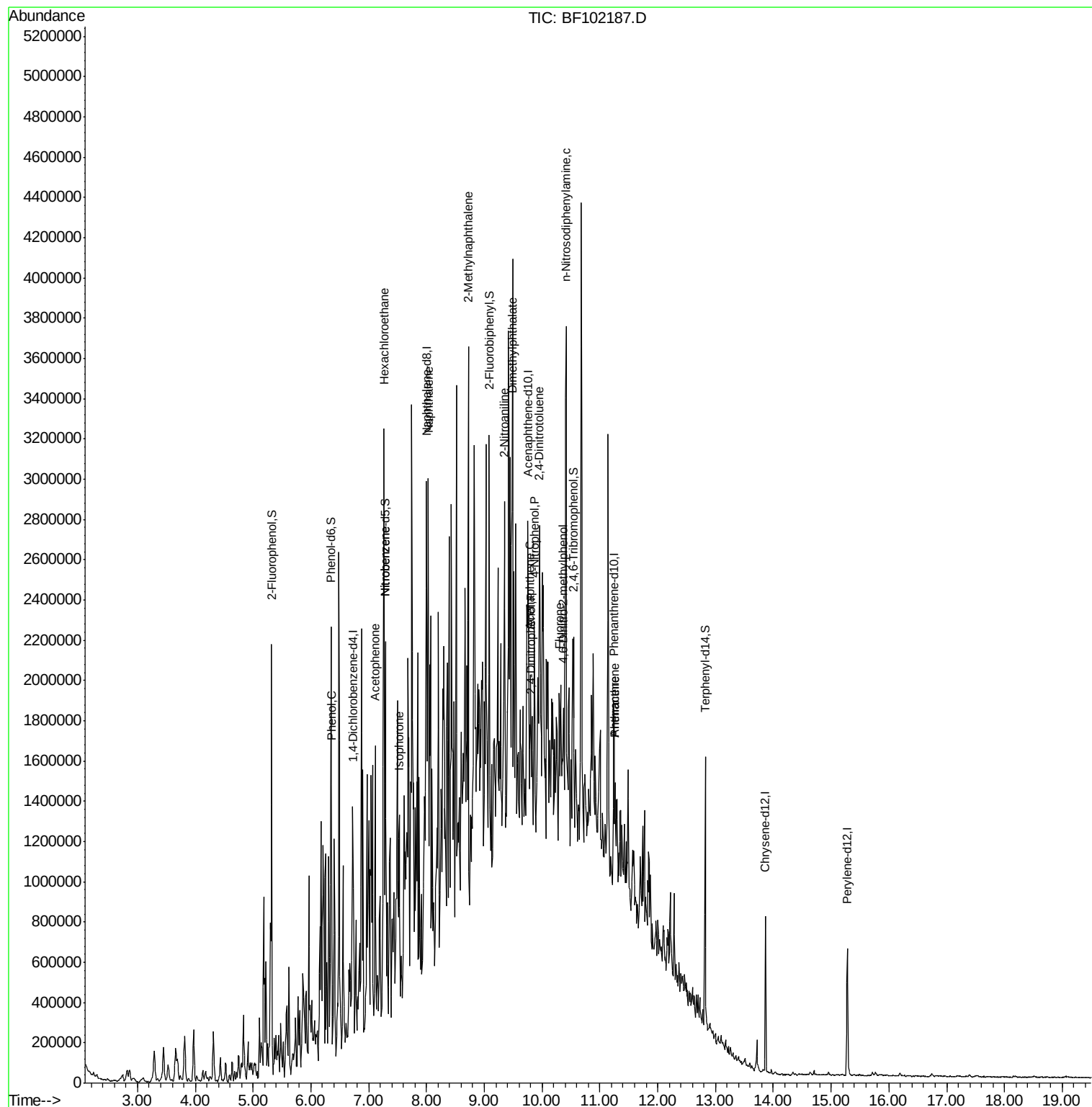
Target Compounds				Qvalue		
10) Phenol	6.36	94	28591	2.036	ng	98
18) Hexachloroethane	7.26	117	163484	38.630	ng	# 1
22) Acetophenone	7.12	105	197709	15.461	ng	# 55
24) Nitrobenzene	7.29	77	22932	2.363	ng	# 20
25) Isophorone	7.53	82	38237	2.143	ng	# 1
31) Naphthalene	8.03	128	477102	17.990	ng	# 95
37) 2-Methylnaphthalene	8.72	142	766217	43.887	ng	98
47) 2-Nitroaniline	9.35	65	13329	2.951	ng	# 38
49) Dimethylphthalate	9.47	163	72869	4.130	ng	# 90
51) Acenaphthene	9.79	154	29811	2.053	ng	# 67
53) 2,4-Dinitrophenol	9.81	184	669	9.101	ng	# 1
55) 4-Nitrophenol	9.86	139	25635	7.733	ng	# 58
56) 2,4-Dinitrotoluene	9.96	165	18033	4.082	ng	# 62
57) Fluorene	10.30	166	83655	6.072	ng	# 90
64) 4,6-Dinitro-2-methylphenol	10.37	198	1873	6.641	ng	# 1
65) n-Nitrosodiphenylamine	10.42	169	93230	8.012	ng	# 52
70) Phenanthrene	11.26	178	159495	8.787	ng	97
71) Anthracene	11.26	178	159495	8.664	ng	96

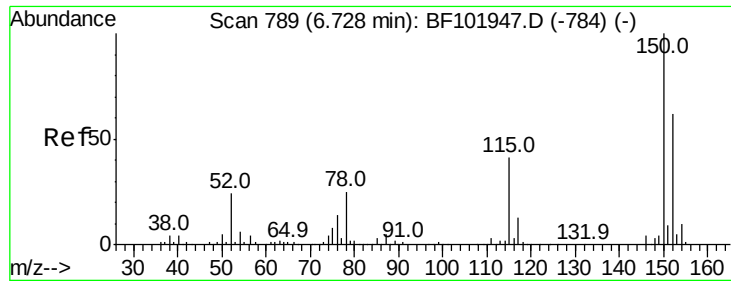
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\HPCHEM1\BNA F\DATA\BF011718\
Data File : BF102187.D
Acq On : 18 Jan 2018 9:02
Operator : SJ/JU
Sample : J1144-03DL 2X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IGW-3DL

Quant Time: Jan 18 09:49:54 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 17 15:28:18 2018
Response via : Initial Calibration



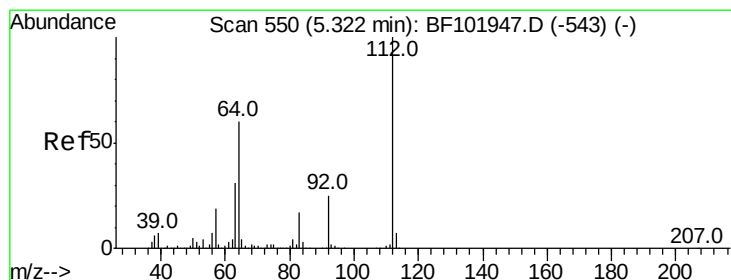
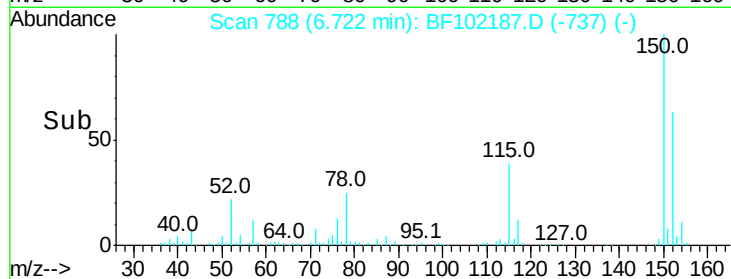
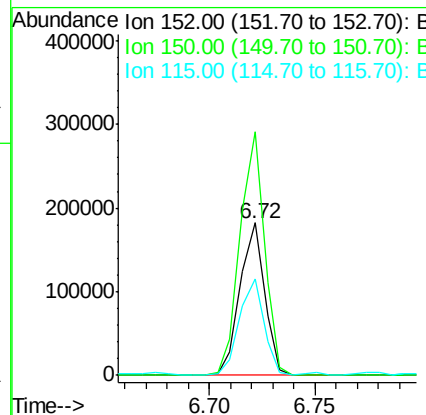
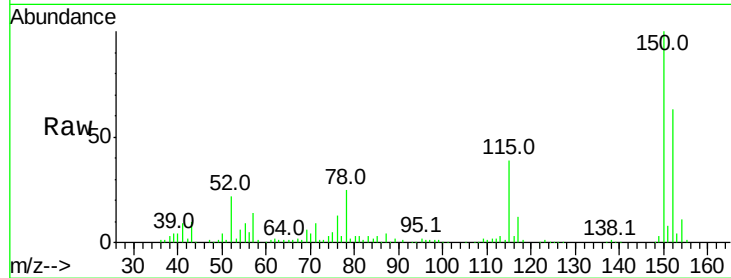


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.00 min
 Lab File: BF102187.D
 Acq: 18 Jan 2018 9:02

Instrument :
 BNA_F
 ClientSampleId :
 IGW-3DL

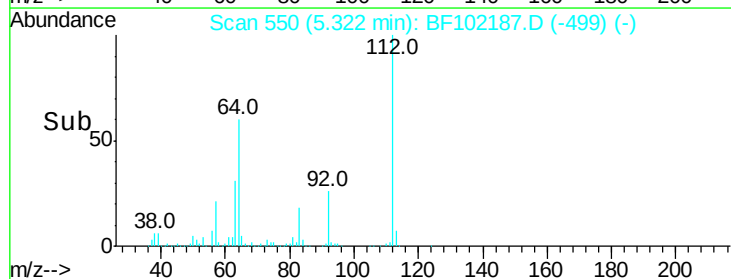
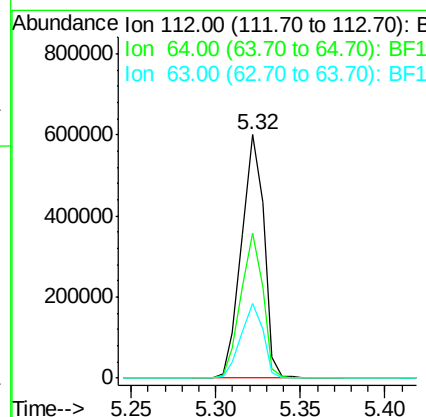
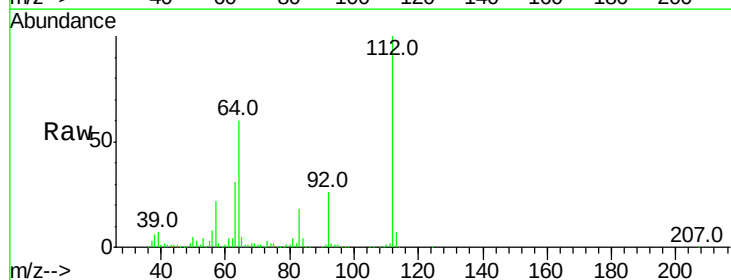
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.6	186.8
115	63.1	50.1	75.1

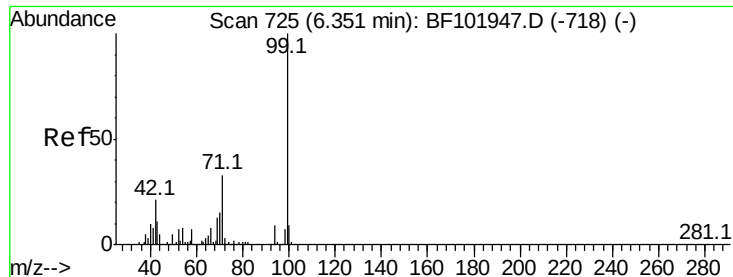


#5

2-Fluorophenol
 Concen: 53.443 ng
 RT: 5.32 min Scan# 550
 Delta R.T. -0.00 min
 Lab File: BF102187.D
 Acq: 18 Jan 2018 9:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	47.9	71.9
63	30.8	23.7	35.5





#7

Phenol-d6

Concen: 53.155 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102187.D

Acq: 18 Jan 2018 9:02

Instrument :

BNA_F

ClientSampleId :

IGW-3DL

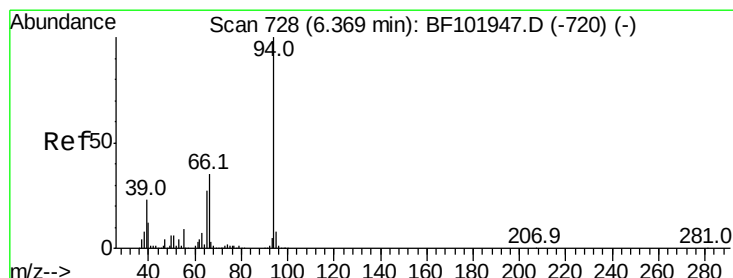
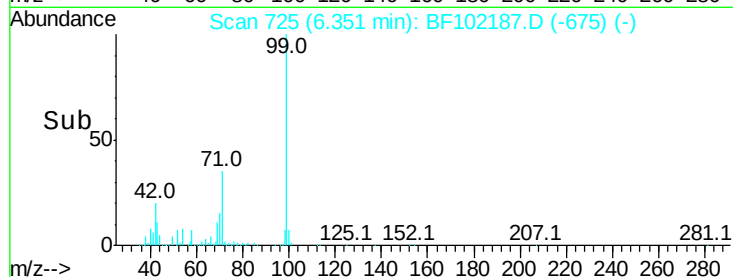
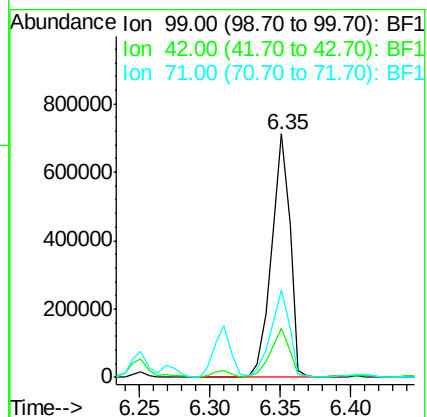
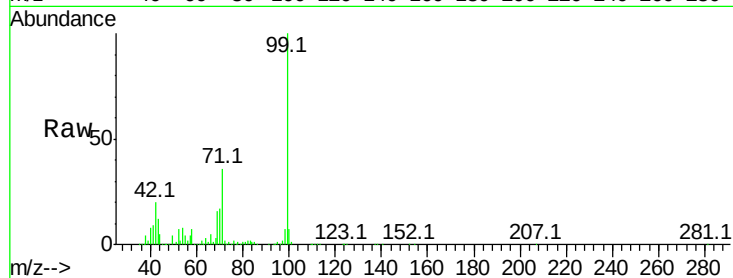
Tot Ion: 99 Resp: 660659

Ion Ratio Lower Upper

99 100

42 20.4 14.5 21.7

71 35.8 25.4 38.0



#10

Phenol

Concen: 2.036 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102187.D

Acq: 18 Jan 2018 9:02

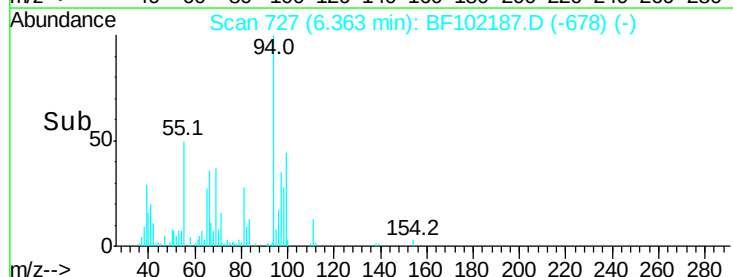
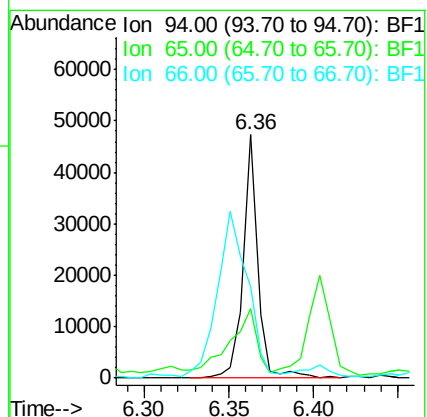
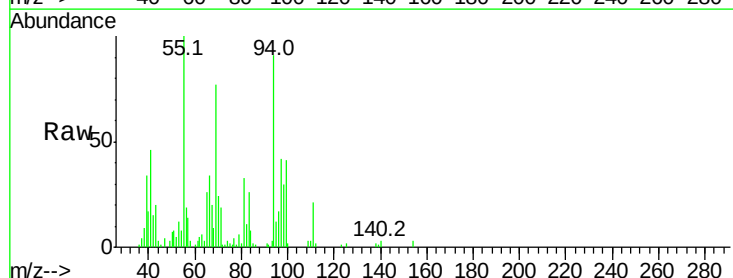
Tgt Ion: 94 Resp: 28591

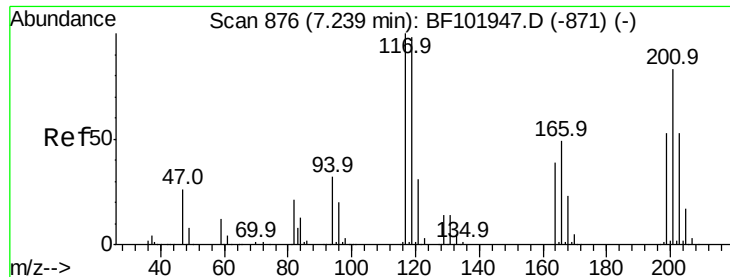
Ion Ratio Lower Upper

94 100

65 28.5 7.9 47.9

66 37.7 16.2 56.2

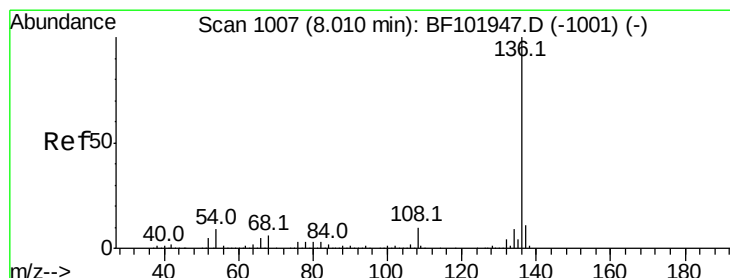
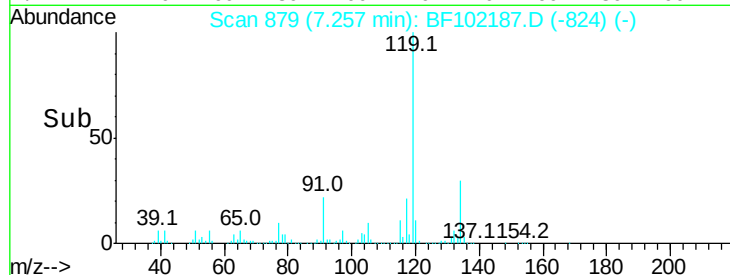
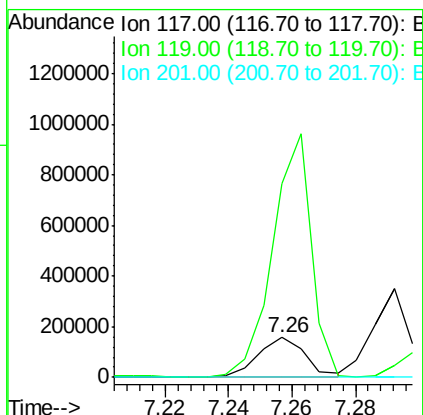
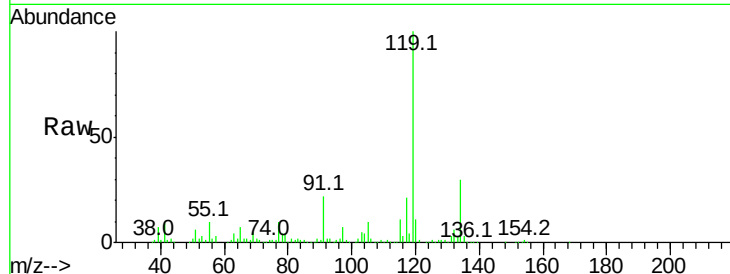




#18
Hexachloroethane
Concen: 38.630 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.02 min
Lab File: BF102187.D
Acq: 18 Jan 2018 9:02

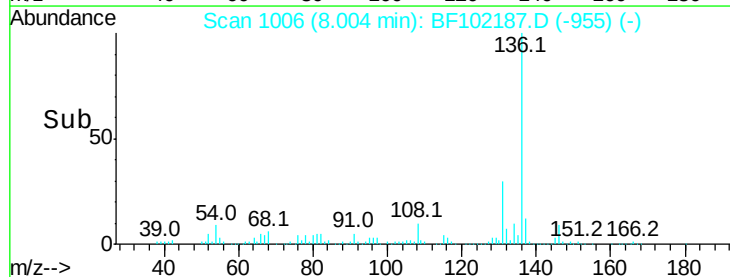
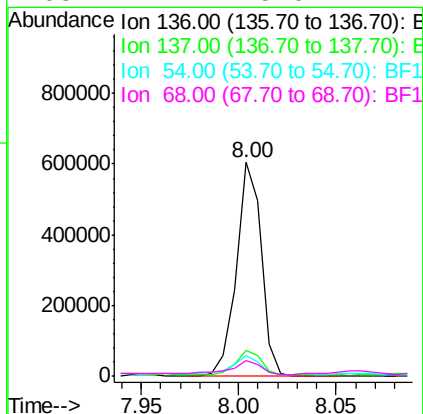
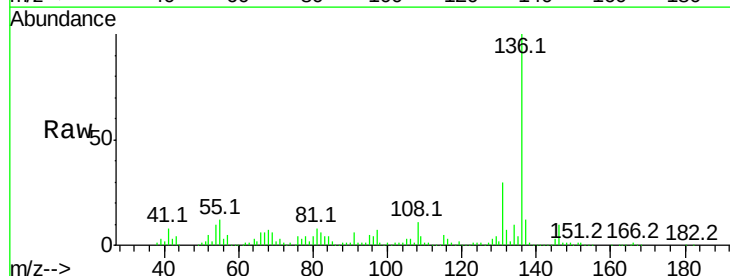
Instrument :
BNA_F
ClientSampleId :
IGW-3DL

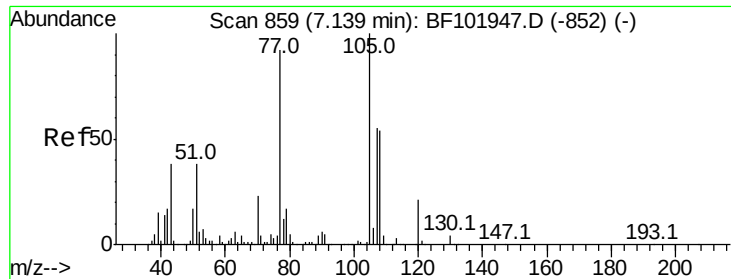
Tot Ion:117 Resp: 163484
Ion Ratio Lower Upper
117 100
119 484.1 75.8 113.8#
201 0.0 75.7 113.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BF102187.D
Acq: 18 Jan 2018 9:02

Tgt Ion:136 Resp: 530737
Ion Ratio Lower Upper
136 100
137 12.2 8.9 13.3
54 9.8 6.6 9.8
68 7.2 5.0 7.4





#22

Acetophenone

Concen: 15.461 ng

RT: 7.12 min Scan# 855

Delta R.T. -0.02 min

Lab File: BF102187.D

Acq: 18 Jan 2018 9:02

Instrument :

BNA_F

ClientSampleId :

IGW-3DL

Tot Ion:105 Resp: 197709

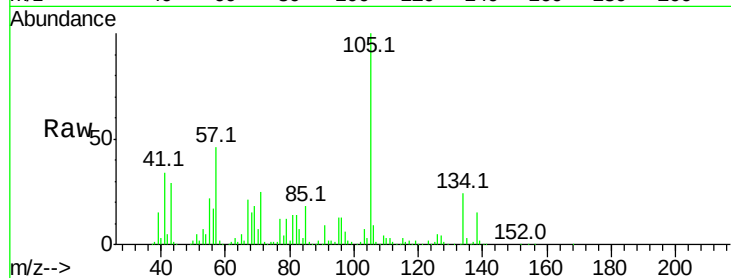
Ion Ratio Lower Upper

105 100

71 25.5 4.4 6.6#

51 5.2 22.3 33.5#

120 0.3 16.9 25.3#

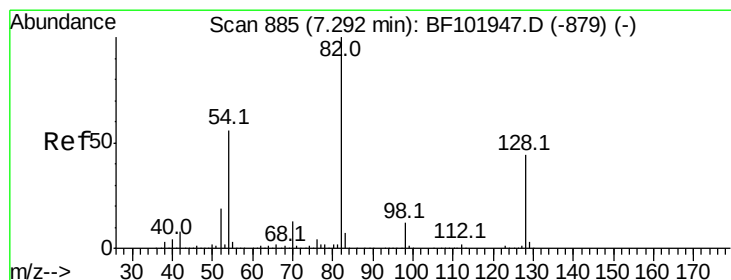
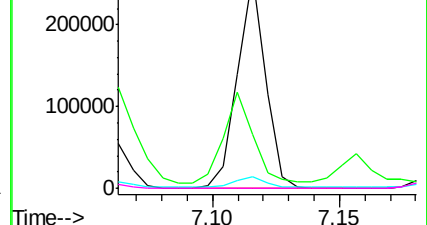
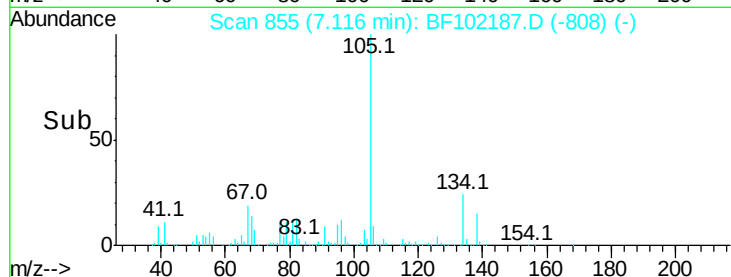


Abundance Ion 105.00 (104.70 to 105.70): E

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: 43.192 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF102187.D

Acq: 18 Jan 2018 9:02

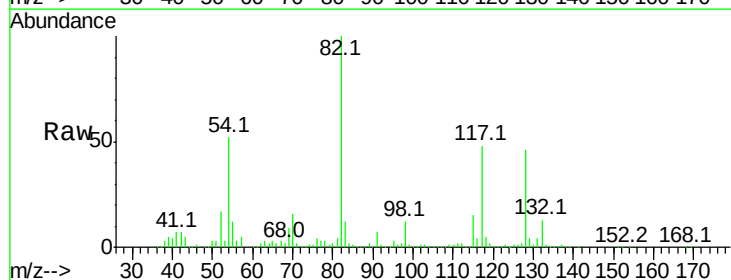
Tgt Ion: 82 Resp: 390097

Ion Ratio Lower Upper

82 100

128 45.9 36.1 54.1

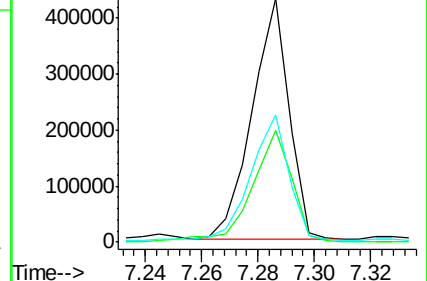
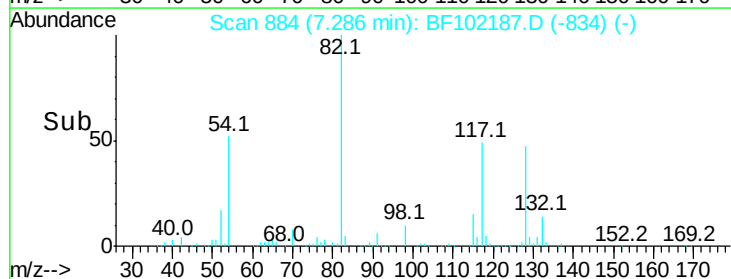
54 52.4 41.4 62.2

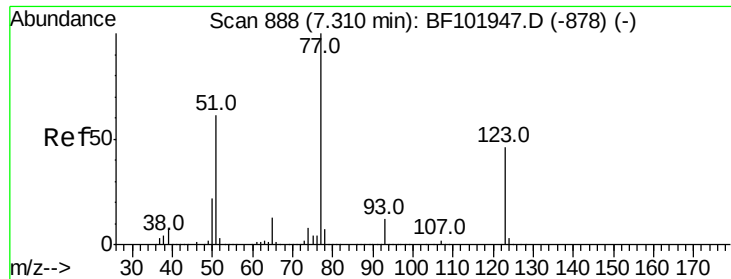


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#24

Nitrobenzene

Concen: 2.363 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.02 min

Lab File: BF102187.D

Acq: 18 Jan 2018 9:02

Instrument :

BNA_F

ClientSampleId :

IGW-3DL

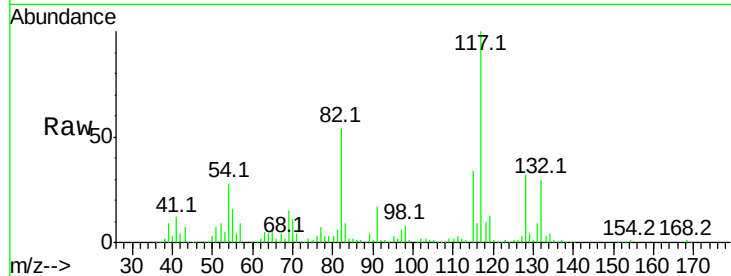
Tot Ion: 77 Resp: 22932

Ion Ratio Lower Upper

77 100

123 15.2 37.9 56.9#

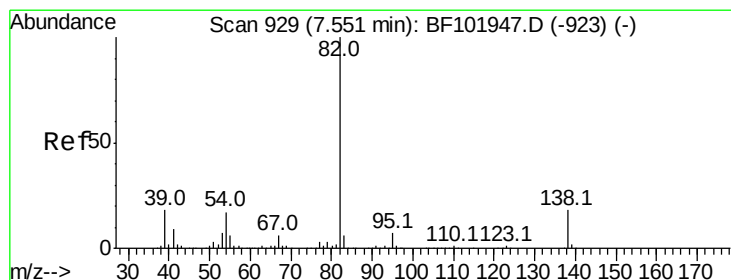
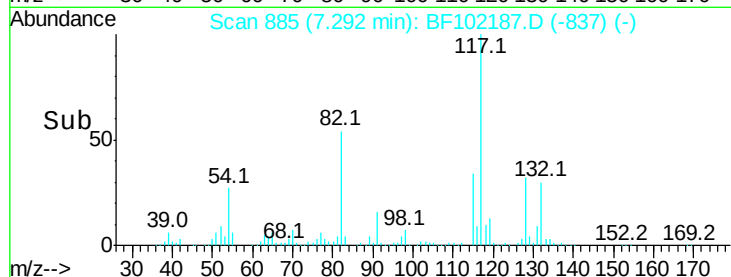
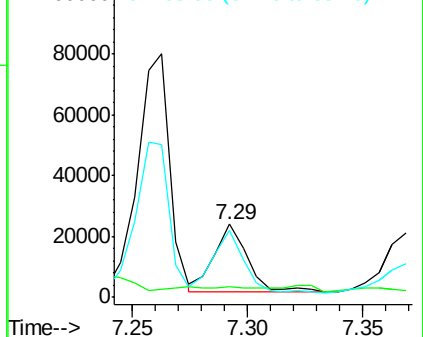
65 91.4 11.0 16.4#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#25

Isophorone

Concen: 2.143 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.02 min

Lab File: BF102187.D

Acq: 18 Jan 2018 9:02

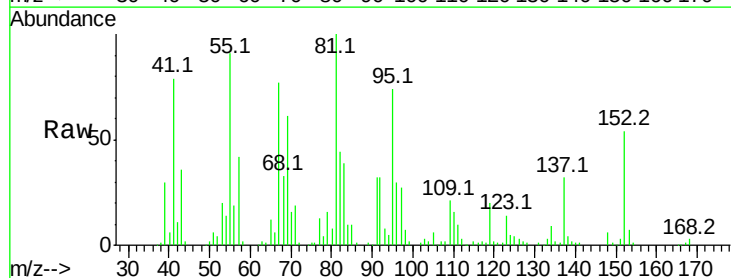
Tgt Ion: 82 Resp: 38237

Ion Ratio Lower Upper

82 100

95 168.3 5.2 7.8#

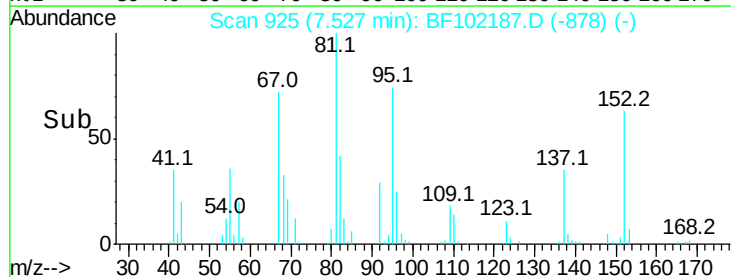
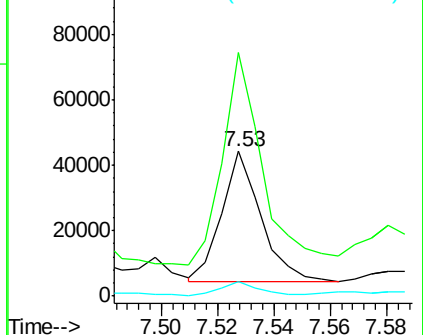
138 10.1 14.9 22.3#

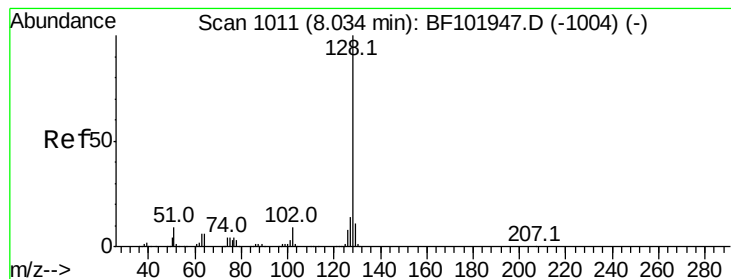


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 17.990 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.00 min

Lab File: BF102187.D

Acq: 18 Jan 2018 9:02

Instrument :

BNA_F

ClientSampleId :

IGW-3DL

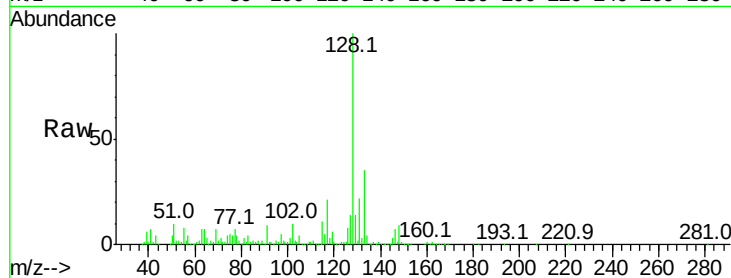
Tot Ion:128 Resp: 477102

Ion Ratio Lower Upper

128 100

129 14.1 8.8 13.2#

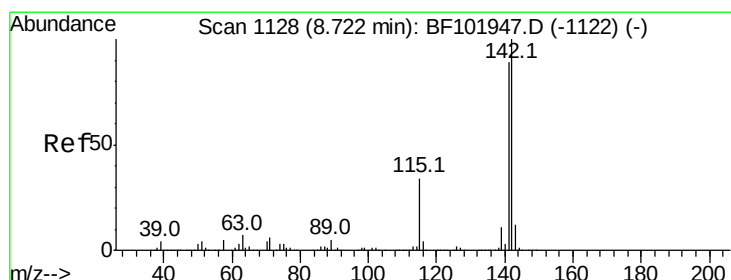
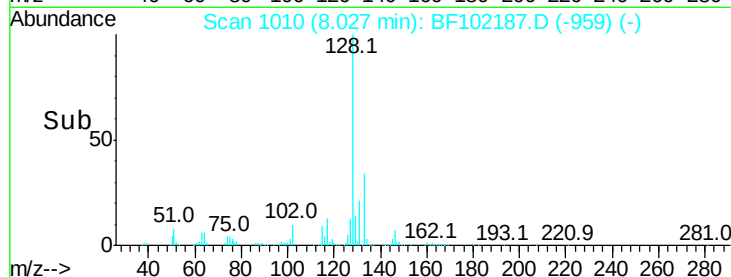
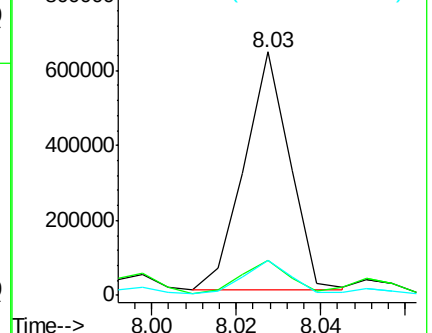
127 14.4 10.9 16.3



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



#37

2-Methylnaphthalene

Concen: 43.887 ng

RT: 8.72 min Scan# 1128

Delta R.T. 0.01 min

Lab File: BF102187.D

Acq: 18 Jan 2018 9:02

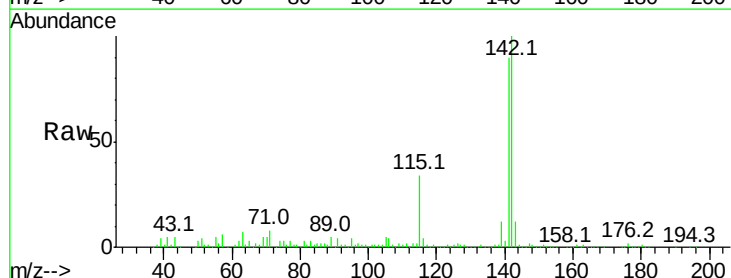
Tgt Ion:142 Resp: 766217

Ion Ratio Lower Upper

142 100

141 90.2 70.8 106.2

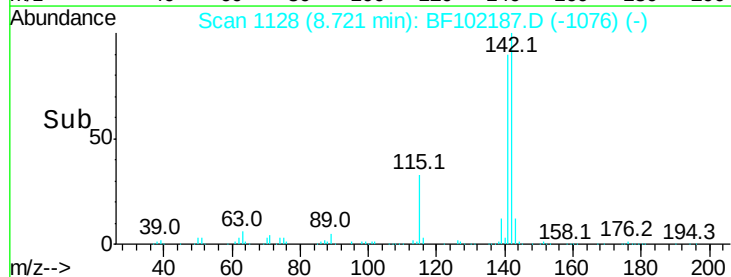
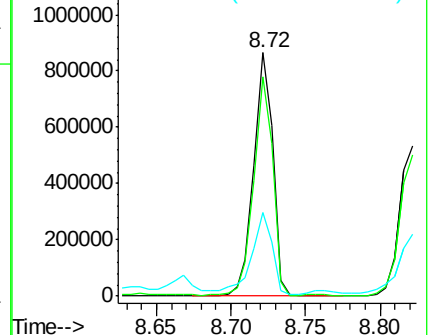
115 34.1 26.1 39.1

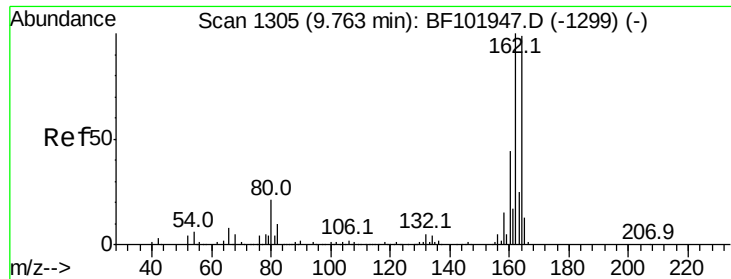


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.76 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BF102187.D

Acq: 18 Jan 2018 9:02

Instrument :

BNA_F

ClientSampleId :

IGW-3DL

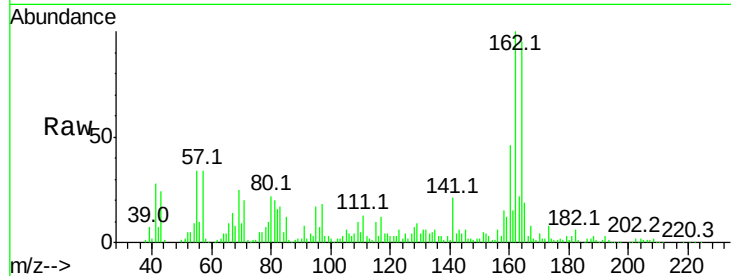
Tot Ion:164 Resp: 219961

Ion Ratio Lower Upper

164 100

162 105.0 86.1 129.1

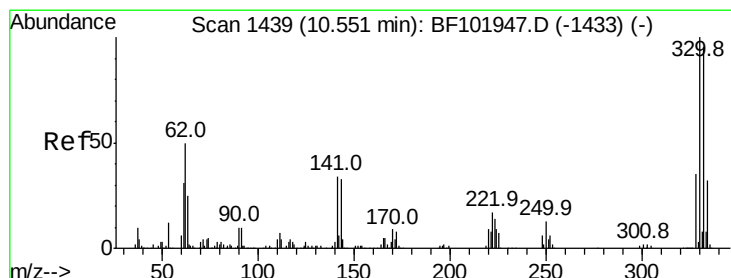
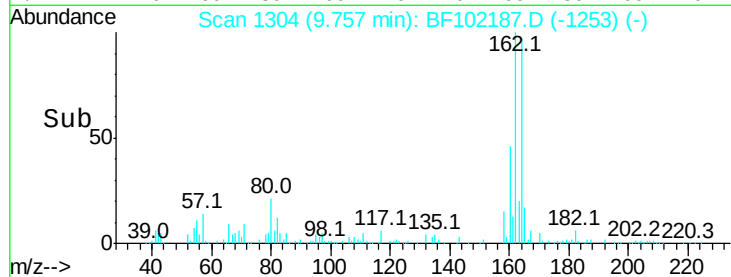
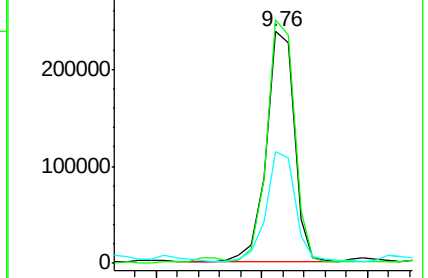
160 48.4 38.3 57.5



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: 51.576 ng

RT: 10.54 min Scan# 1438

Delta R.T. -0.00 min

Lab File: BF102187.D

Acq: 18 Jan 2018 9:02

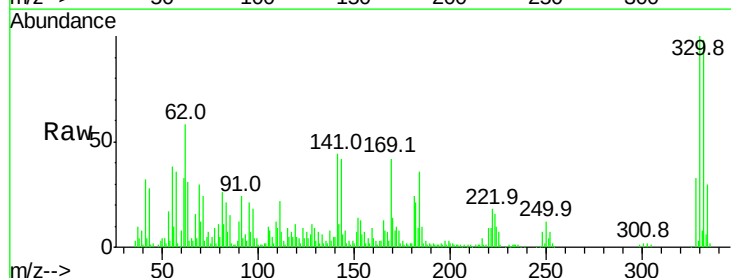
Tgt Ion:330 Resp: 99004

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

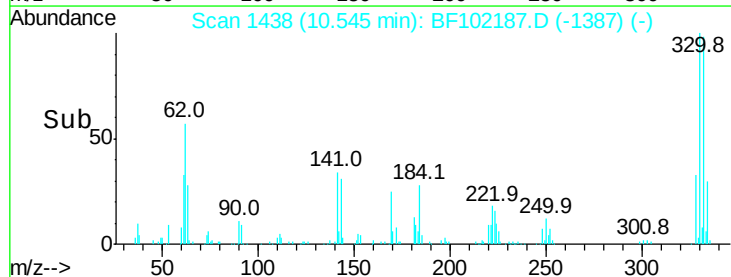
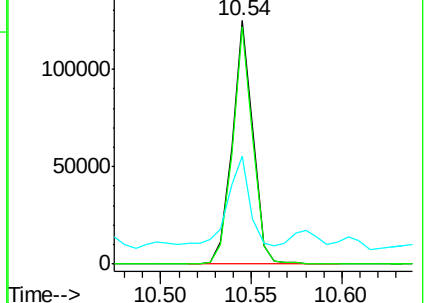
141 37.7 29.9 44.9

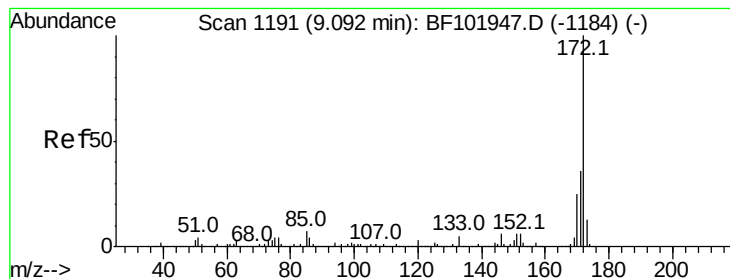


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 48.326 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF102187.D

Acq: 18 Jan 2018 9:02

Instrument :

BNA_F

ClientSampled :

IGW-3DL

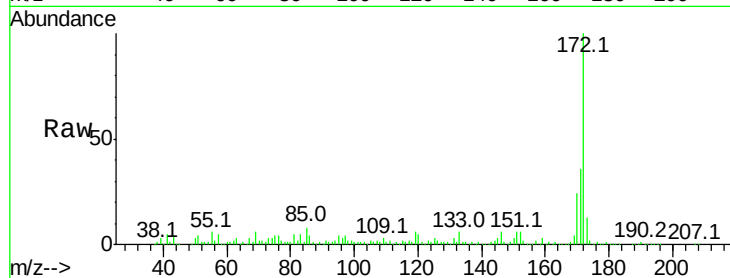
Tot Ion:172 Resp: 680414

Ion Ratio Lower Upper

172 100

171 36.4 29.7 44.5

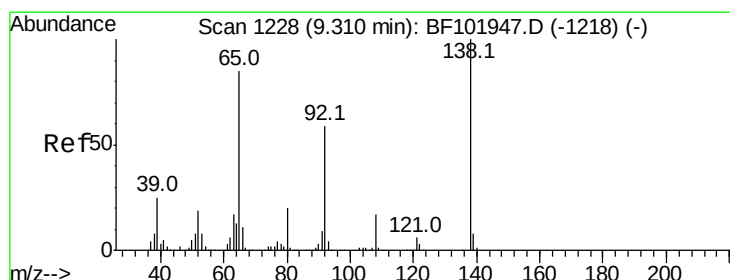
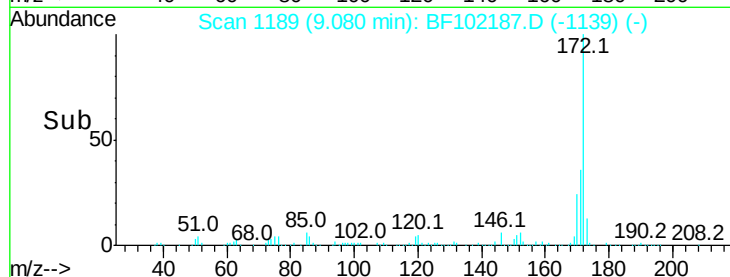
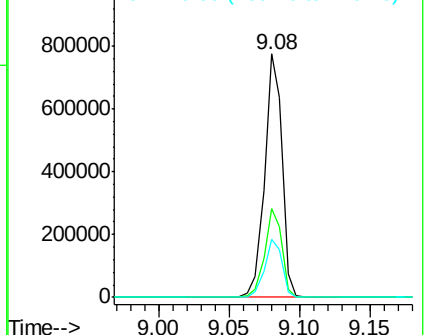
170 23.6 19.6 29.4



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



#47

2-Nitroaniline

Concen: 2.951 ng

RT: 9.35 min Scan# 1235

Delta R.T. 0.05 min

Lab File: BF102187.D

Acq: 18 Jan 2018 9:02

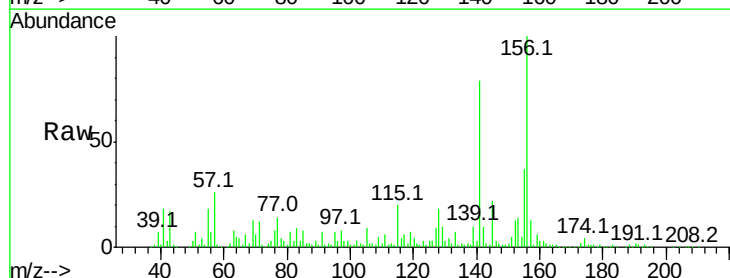
Tgt Ion: 65 Resp: 13329

Ion Ratio Lower Upper

65 100

92 39.1 55.8 83.6#

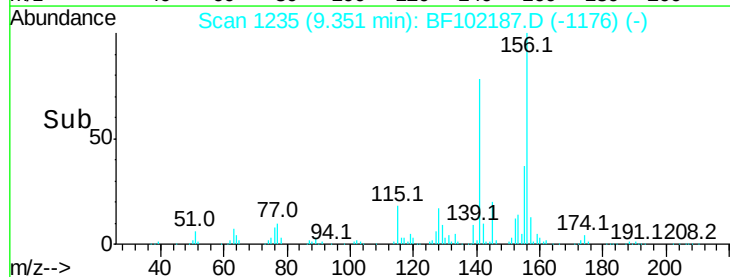
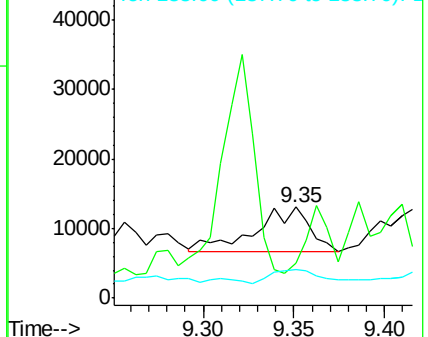
138 31.6 91.2 136.8#

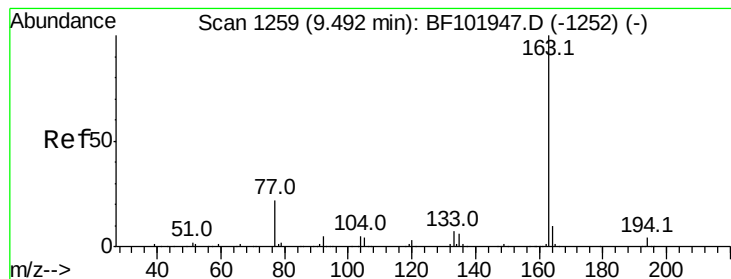


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 4.130 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF102187.D

Acq: 18 Jan 2018 9:02

Instrument :

BNA_F

ClientSampleId :

IGW-3DL

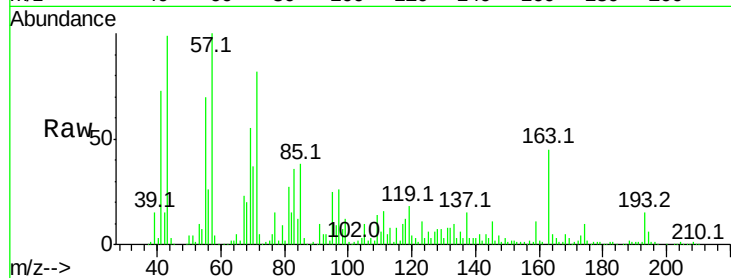
Tot Ion:163 Resp: 72869

Ion Ratio Lower Upper

163 100

194 12.6 2.7 4.1#

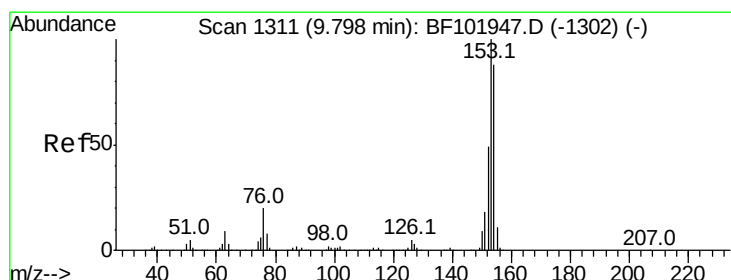
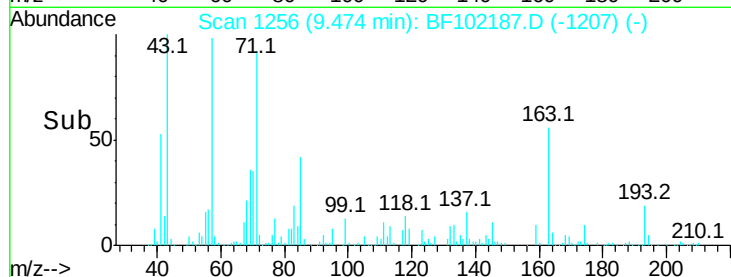
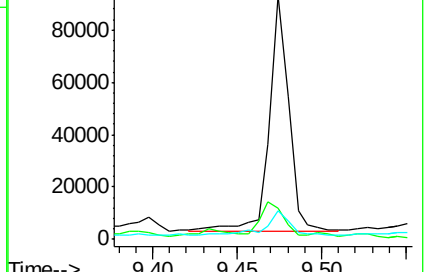
164 11.6 8.2 12.2



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



#51

Acenaphthene

Concen: 2.053 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BF102187.D

Acq: 18 Jan 2018 9:02

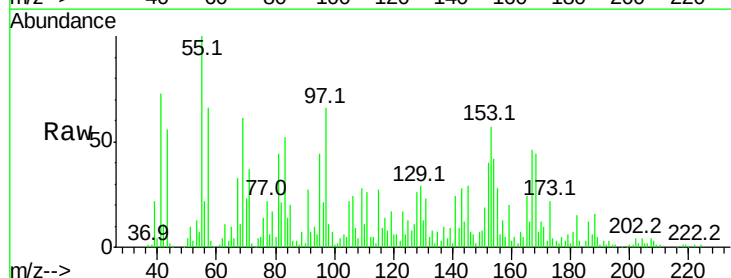
Tgt Ion:154 Resp: 29811

Ion Ratio Lower Upper

154 100

153 137.1 91.2 136.8#

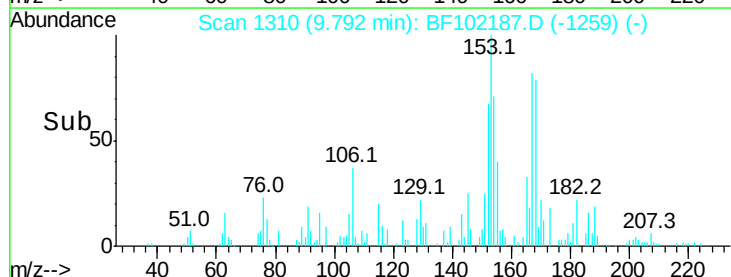
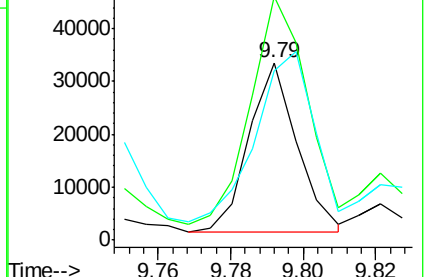
152 95.5 43.8 65.8#

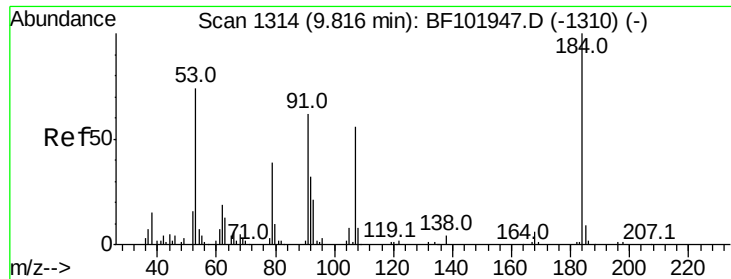


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

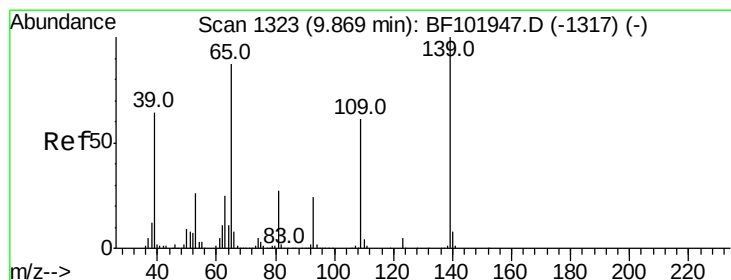
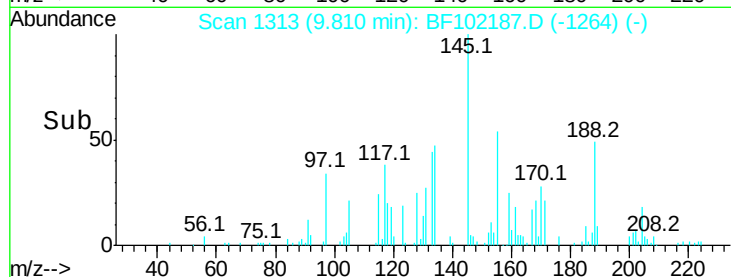
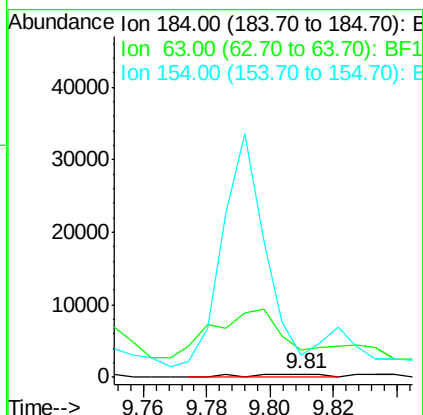
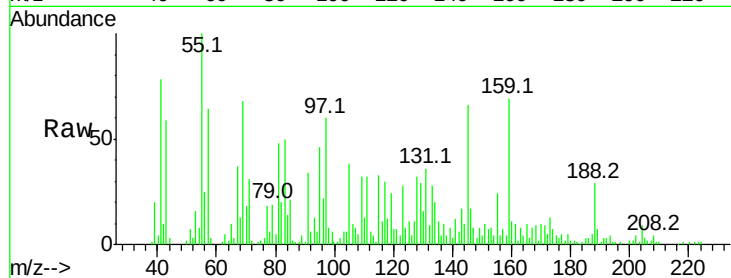




#53
2,4-Dinitrophenol
Concen: 9.101 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF102187.D
Acq: 18 Jan 2018 9:02

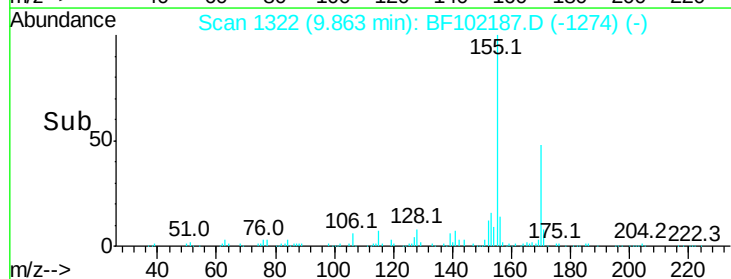
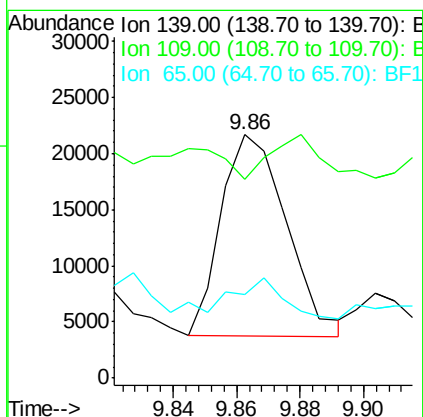
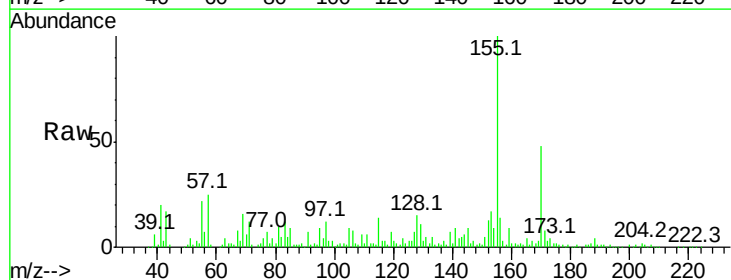
Instrument :
BNA_F
ClientSampleId :
IGW-3DL

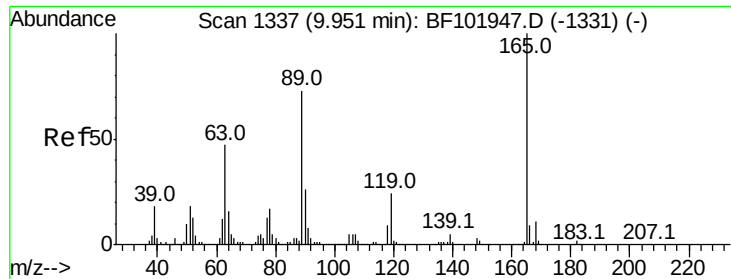
Tot Ion:184 Resp: 669
Ion Ratio Lower Upper
184 100
63 787.4 54.2 81.2#
154 649.5 184.0 276.0#



#55
4-Nitrophenol
Concen: 7.733 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.02 min
Lab File: BF102187.D
Acq: 18 Jan 2018 9:02

Tgt Ion:139 Resp: 25635
Ion Ratio Lower Upper
139 100
109 81.7 48.4 88.4
65 34.5 72.6 112.6#

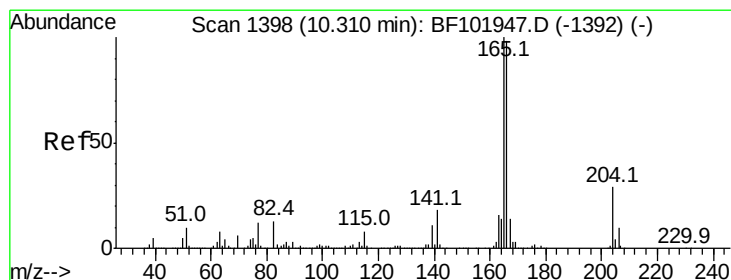
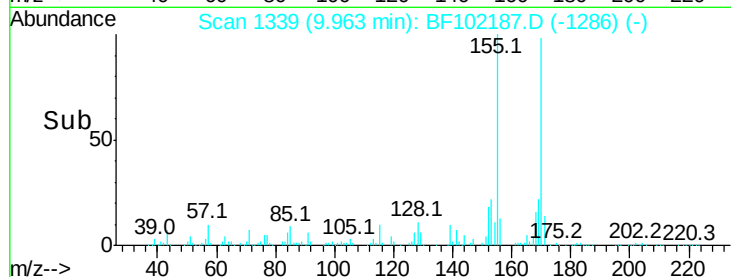
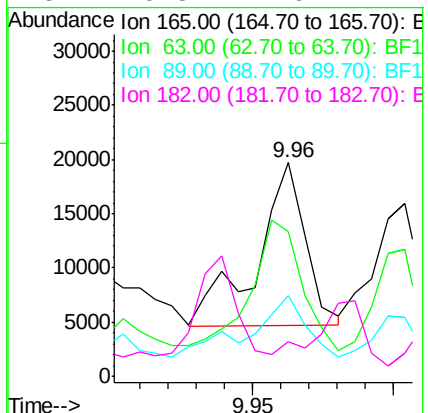
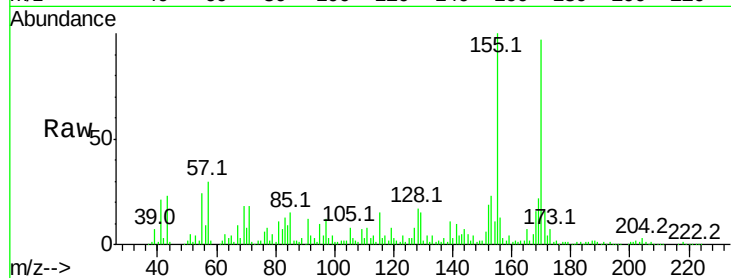




#56
2,4-Dinitrotoluene
Concen: 4.082 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.01 min
Lab File: BF102187.D
Acq: 18 Jan 2018 9:02

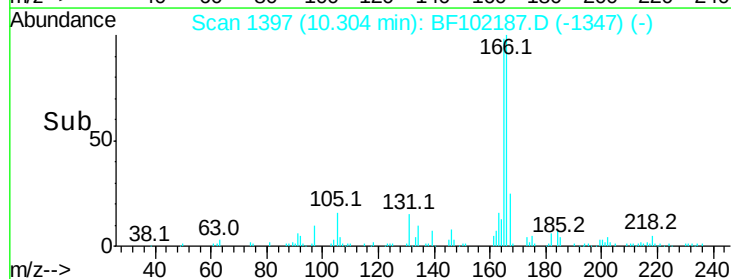
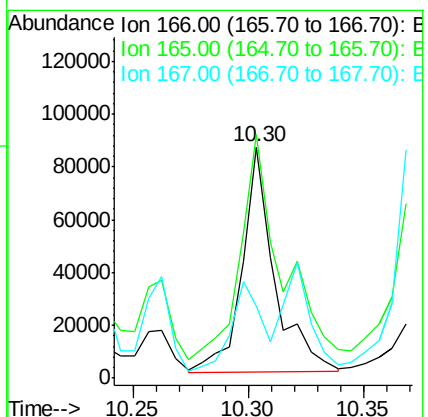
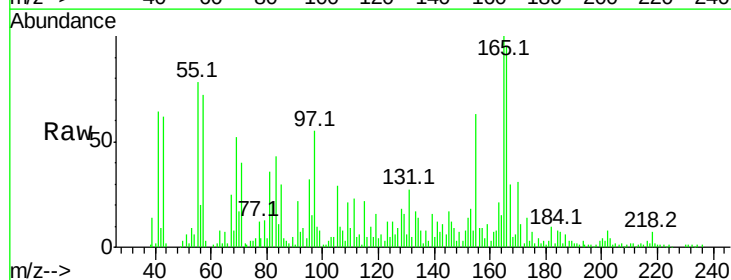
Instrument :
BNA_F
ClientSampleId :
IGW-3DL

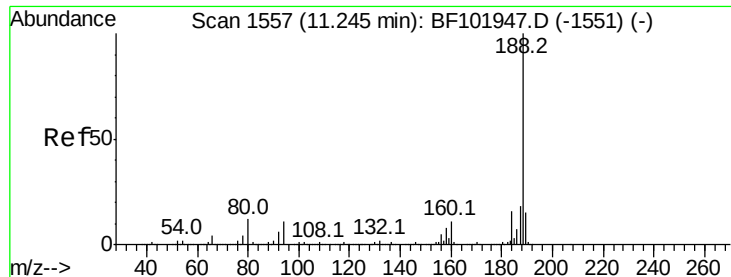
Tot Ion	Ratio	Lower	Upper
165	100		
63	67.6	36.4	54.6#
89	38.0	57.8	86.6#
182	16.3	1.6	2.4#



#57
Fluorene
Concen: 6.072 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF102187.D
Acq: 18 Jan 2018 9:02

Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.2	79.8	119.8
167	31.1	10.6	16.0#

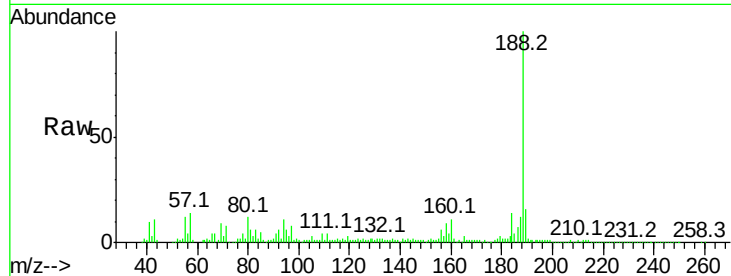




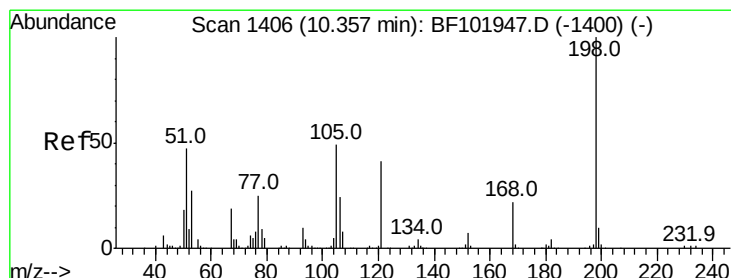
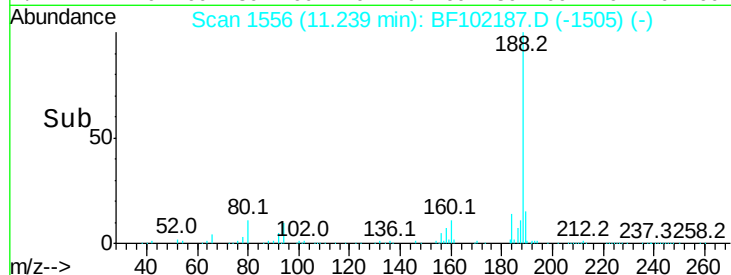
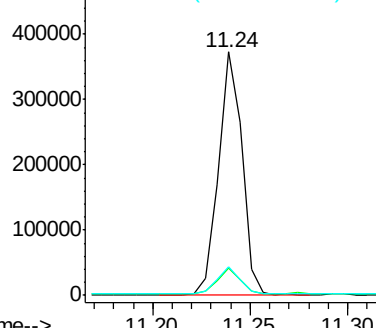
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.00 min
Lab File: BF102187.D
Acq: 18 Jan 2018 9:02

Instrument :
BNA_F
ClientSampled :
IGW-3DL

Tot Ion:188 Resp: 310753
Ion Ratio Lower Upper
188 100
94 11.2 8.5 12.7
80 11.8 9.2 13.8

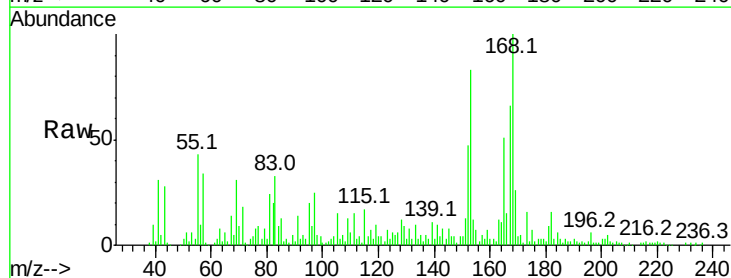


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

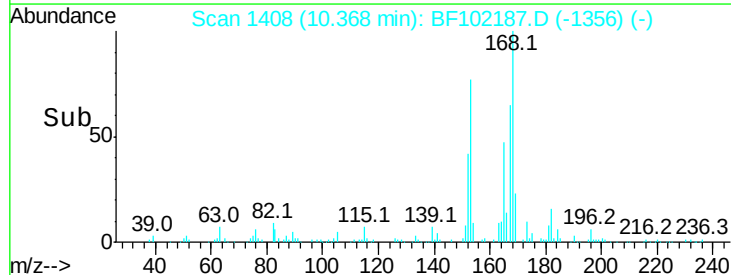
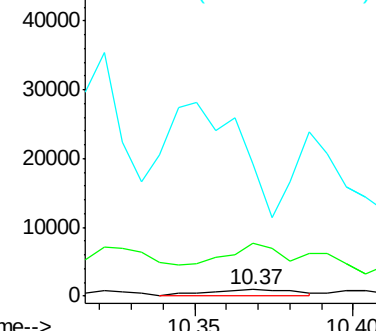


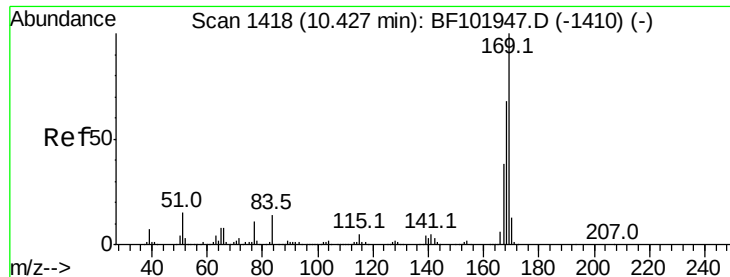
#64
4,6-Dinitro-2-methylphenol
Concen: 6.641 ng
RT: 10.37 min Scan# 1408
Delta R.T. 0.01 min
Lab File: BF102187.D
Acq: 18 Jan 2018 9:02

Tgt Ion:198 Resp: 1873
Ion Ratio Lower Upper
198 100
51 853.3 37.7 77.7#
105 2106.4 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





#65

n-Nitrosodiphenylamine

Concen: 8.012 ng

RT: 10.42 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BF102187.D

Acq: 18 Jan 2018 9:02

Instrument :

BNA_F

ClientSampled :

IGW-3DL

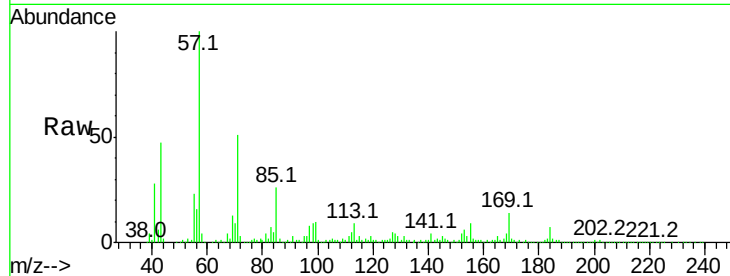
Tot Ion:169 Resp: 93230

Ion Ratio Lower Upper

169 100

168 25.9 54.4 81.6#

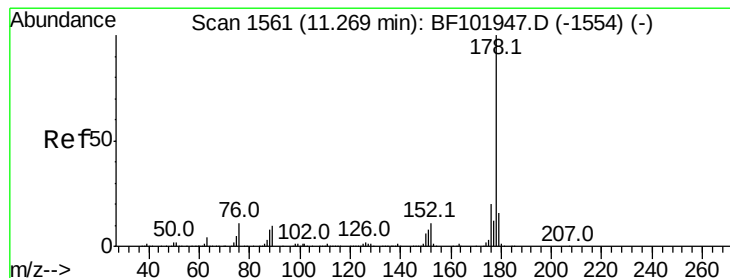
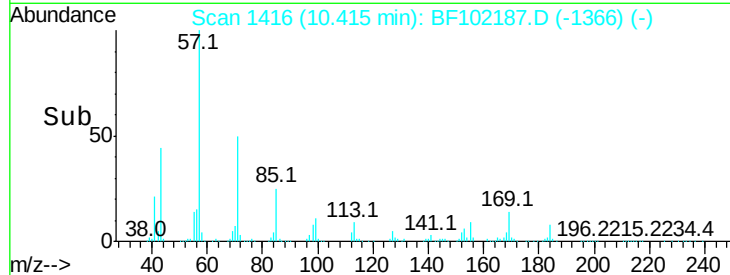
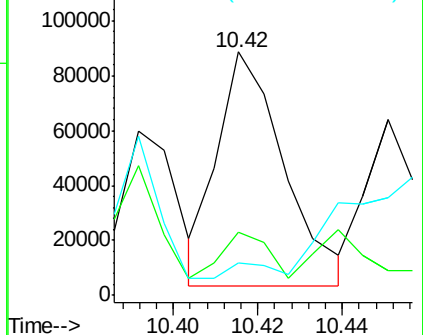
167 13.1 29.8 44.6#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 8.787 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF102187.D

Acq: 18 Jan 2018 9:02

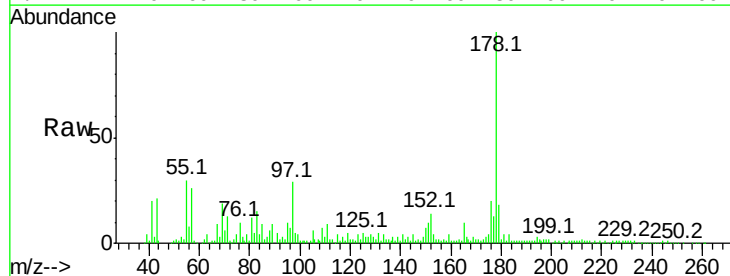
Tgt Ion:178 Resp: 159495

Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.8

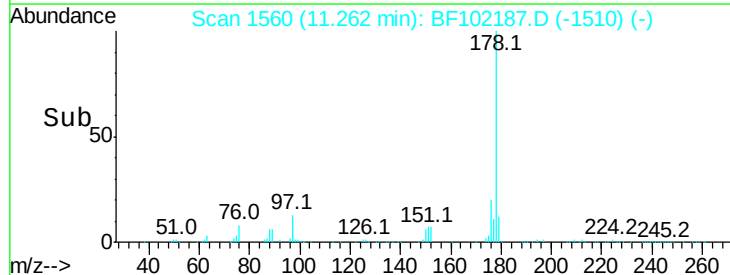
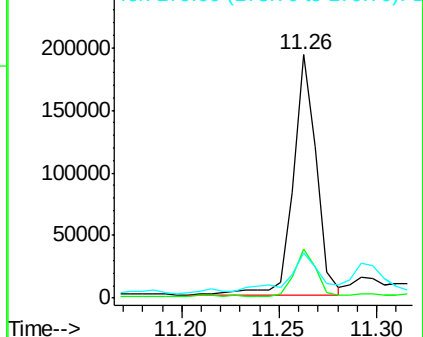
179 18.3 13.0 19.6

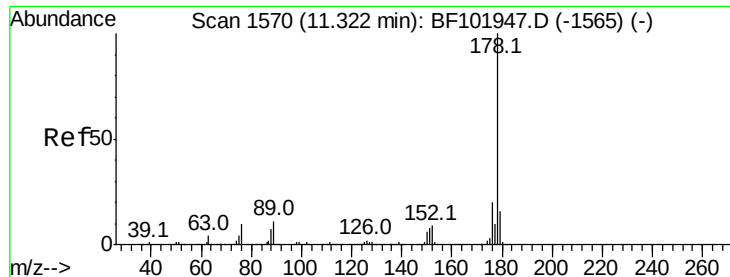


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

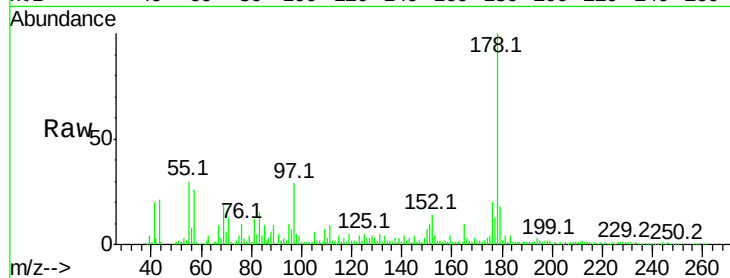




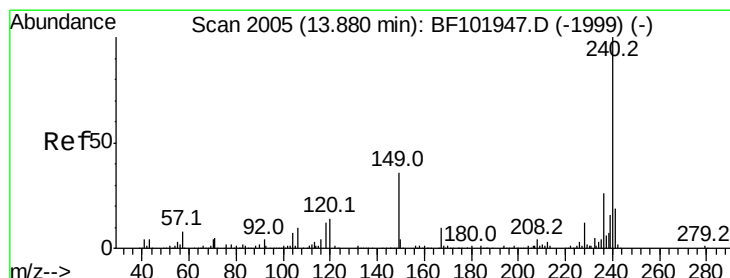
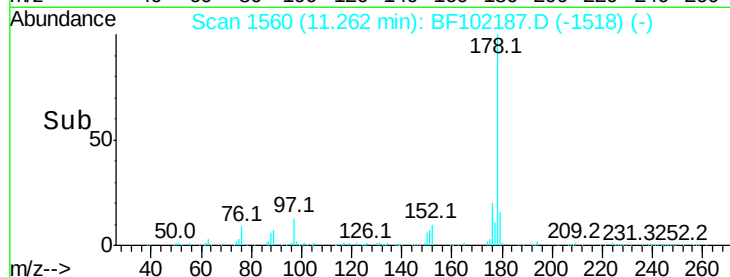
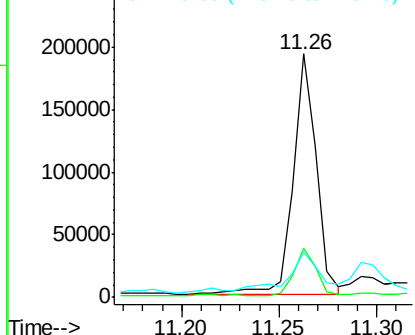
#71
 Anthracene
 Concen: 8.664 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.05 min
 Lab File: BF102187.D
 Acq: 18 Jan 2018 9:02

Instrument :
 BNA_F
 ClientSampleId :
 IGW-3DL

Tot Ion:178 Resp: 159495
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.4 23.2
 179 18.3 12.6 19.0

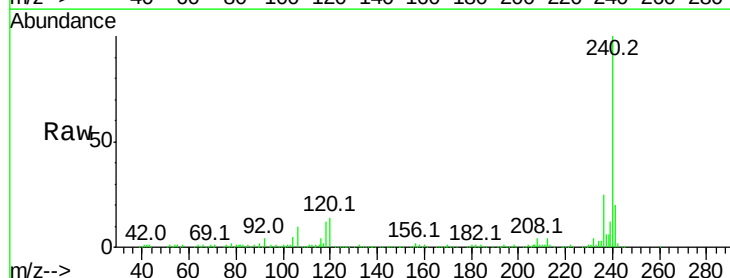


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

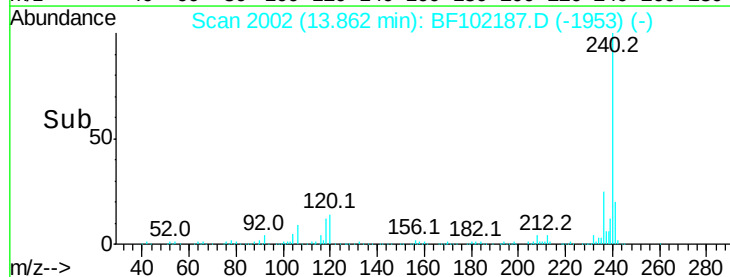
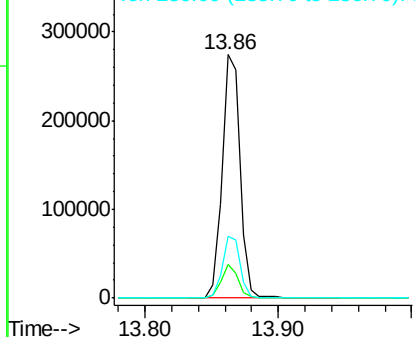


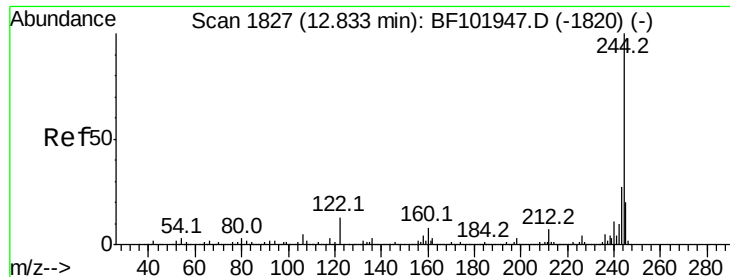
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF102187.D
 Acq: 18 Jan 2018 9:02

Tgt Ion:240 Resp: 261679
 Ion Ratio Lower Upper
 240 100
 120 13.8 9.5 14.3
 236 25.3 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: 34.819 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102187.D

Acq: 18 Jan 2018 9:02

Instrument :

BNA_F

ClientSampleId :

IGW-3DL

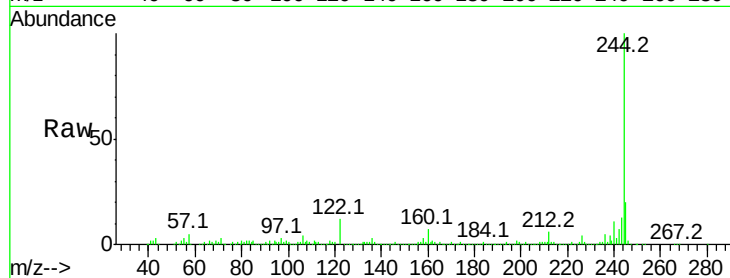
Tot Ion:244 Resp: 438839

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

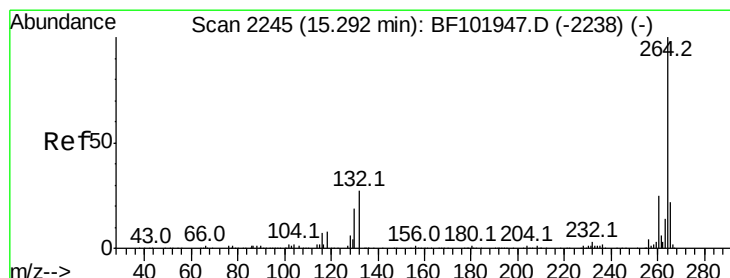
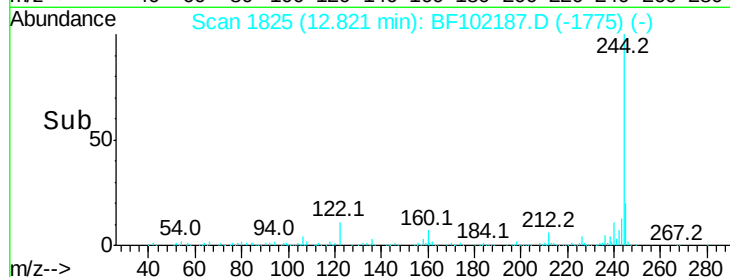
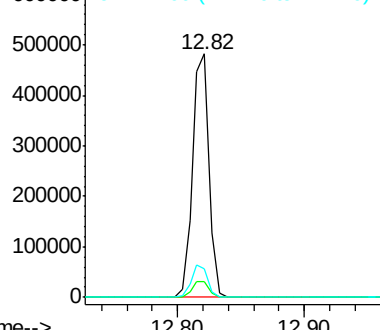
122 11.6 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BF102187.D

Acq: 18 Jan 2018 9:02

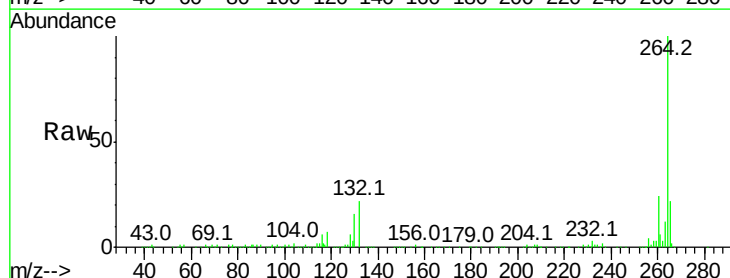
Tgt Ion:264 Resp: 253751

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.7 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

