

Data Path : U:\HPCHEM1\BNA F\DATA\BF011718\
 Data File : BF102188.D
 Acq On : 18 Jan 2018 9:29
 Operator : SJ/JU
 Sample : J1144-05DL 5X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IGW-5DL

Quant Time: Jan 18 10:09:45 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

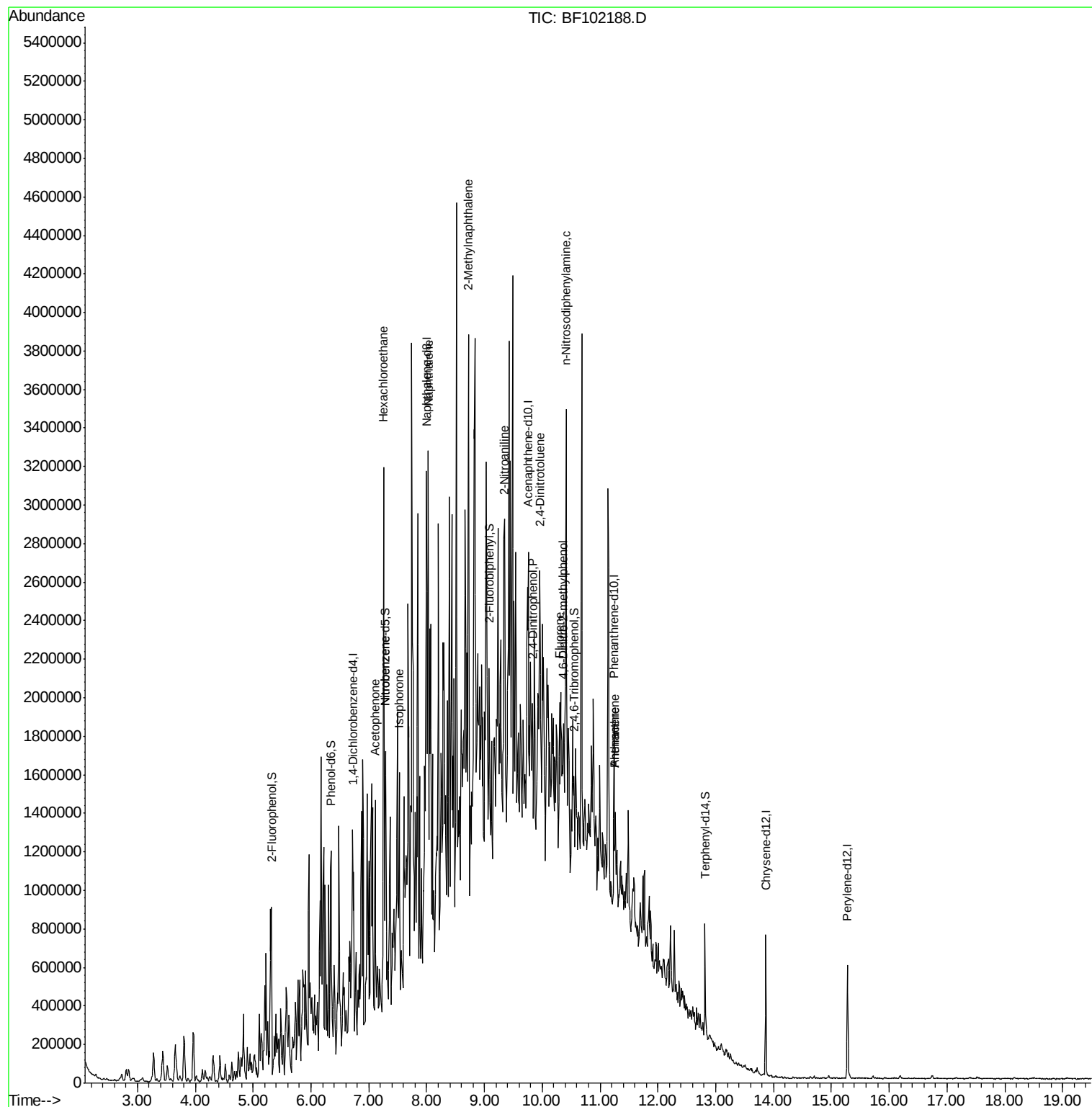
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	140430	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	500771	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	210070	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	293954	20.00	ng	0.00
75) Chrysene-d12	13.86	240	242892	20.00	ng	-0.01
86) Perylene-d12	15.28	264	241255	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	211838	21.30	ng	0.00
7) Phenol-d6	6.35	99	247593	20.87	ng	-0.01
23) Nitrobenzene-d5	7.28	82	153755	18.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	32090	17.50	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	253137	18.83	ng	0.00
78) Terphenyl-d14	12.82	244	158363	13.54	ng	-0.01
Target Compounds						Qvalue
18) Hexachloroethane	7.26	117	167637	41.493	ng	# 1
22) Acetophenone	7.12	105	43937	3.641	ng	# 39
24) Nitrobenzene	7.29	77	19397	2.118	ng	# 24
25) Isophorone	7.53	82	47762	2.837	ng	# 1
31) Naphthalene	8.03	128	654200	26.144	ng	# 96
37) 2-Methylnaphthalene	8.72	142	855581	51.938	ng	# 98
47) 2-Nitroaniline	9.34	65	13887	3.220	ng	# 34
53) 2,4-Dinitrophenol	9.83	184	186	8.787	ng	# 1
56) 2,4-Dinitrotoluene	9.96	165	16456	3.900	ng	# 58
57) Fluorene	10.30	166	86372	6.564	ng	# 82
64) 4,6-Dinitro-2-methylphenol	10.37	198	765	6.085	ng	# 1
65) n-Nitrosodiphenylamine	10.42	169	81996	7.449	ng	# 53
70) Phenanthrene	11.26	178	146424	8.527	ng	# 97
71) Anthracene	11.26	178	146424	8.408	ng	# 97

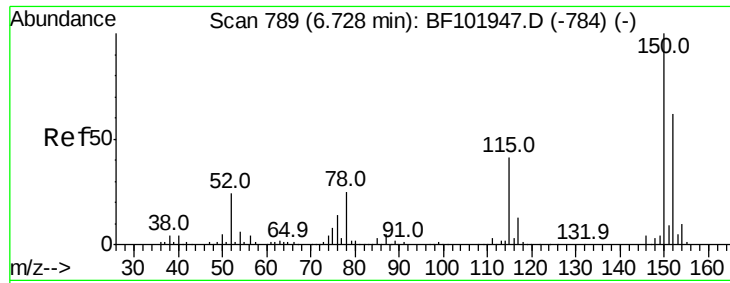
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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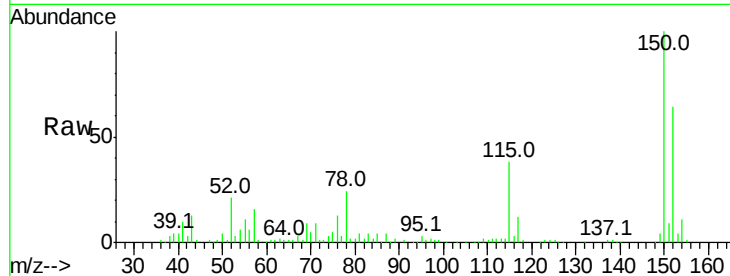


#1

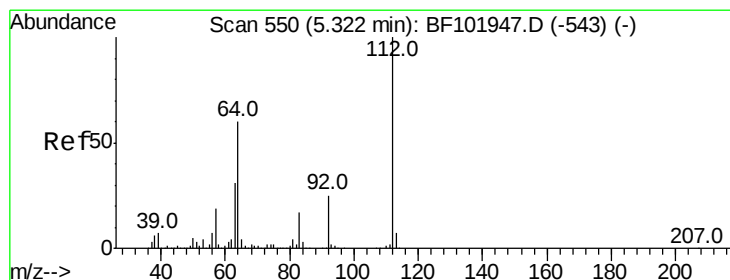
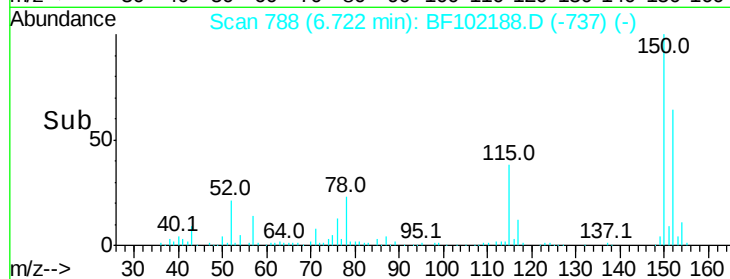
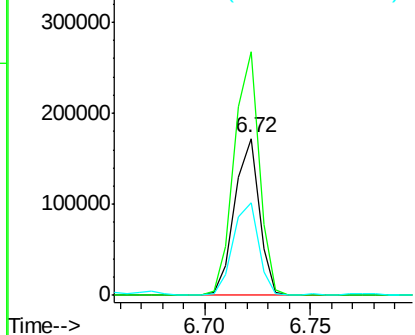
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.00 min
 Lab File: BF102188.D
 Acq: 18 Jan 2018 9:29

Instrument :
 BNA_F
 ClientSampleId :
 IGW-5DL

Tot Ion:152 Resp: 140430
 Ion Ratio Lower Upper
 152 100
 150 155.0 124.6 186.8
 115 59.2 50.1 75.1



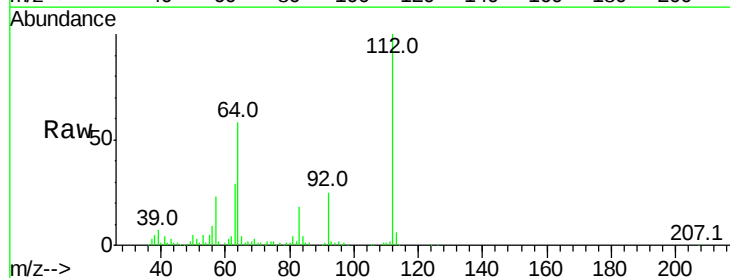
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



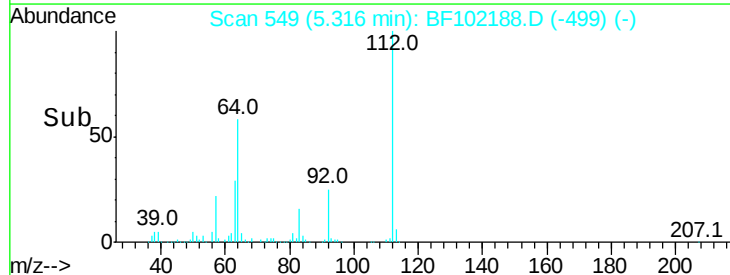
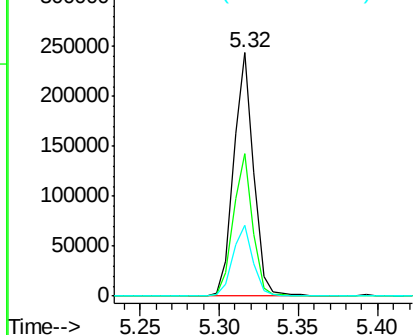
#5

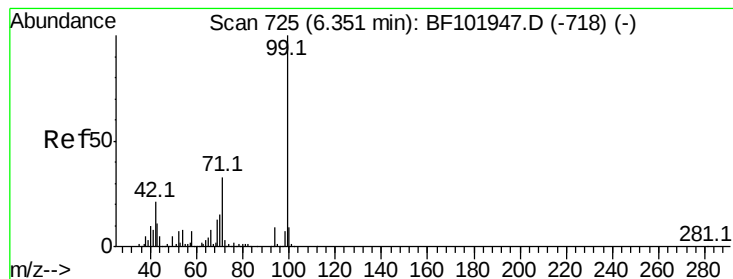
2-Fluorophenol
 Concen: 21.301 ng
 RT: 5.32 min Scan# 549
 Delta R.T. -0.01 min
 Lab File: BF102188.D
 Acq: 18 Jan 2018 9:29

Tgt Ion:112 Resp: 211838
 Ion Ratio Lower Upper
 112 100
 64 58.4 47.9 71.9
 63 29.3 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: 20.867 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF102188.D

Acq: 18 Jan 2018 9:29

Instrument :

BNA_F

ClientSampleId :

IGW-5DL

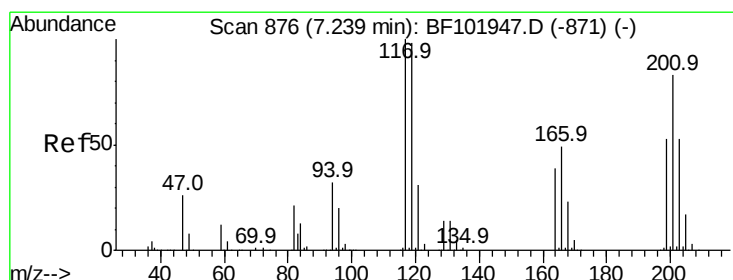
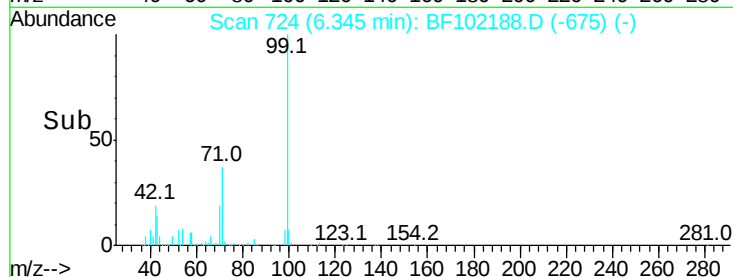
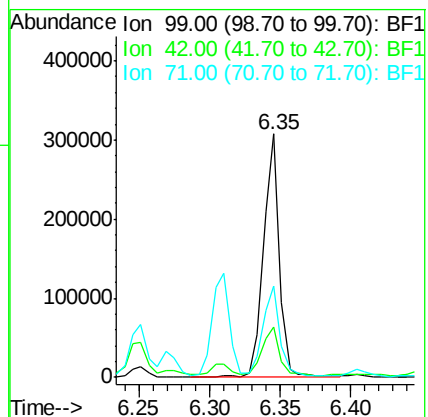
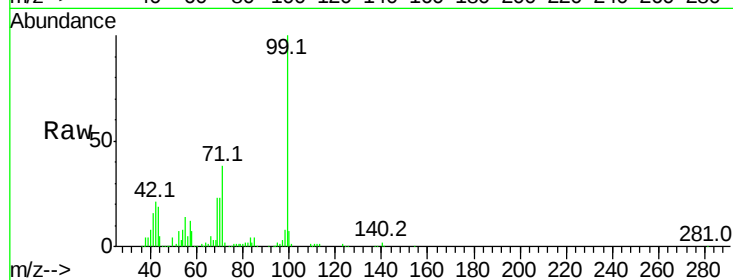
Tot Ion: 99 Resp: 247593

Ion Ratio Lower Upper

99 100

42 20.5 14.5 21.7

71 37.6 25.4 38.0



#18

Hexachloroethane

Concen: 41.493 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.02 min

Lab File: BF102188.D

Acq: 18 Jan 2018 9:29

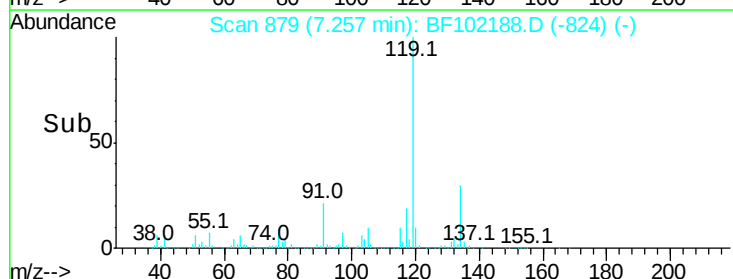
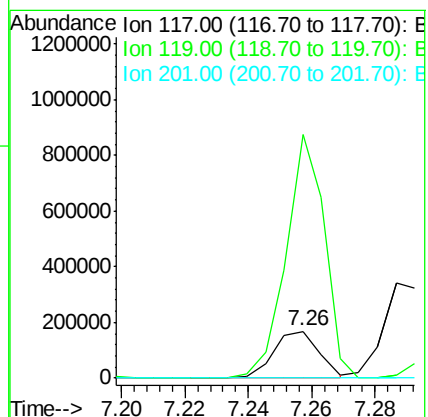
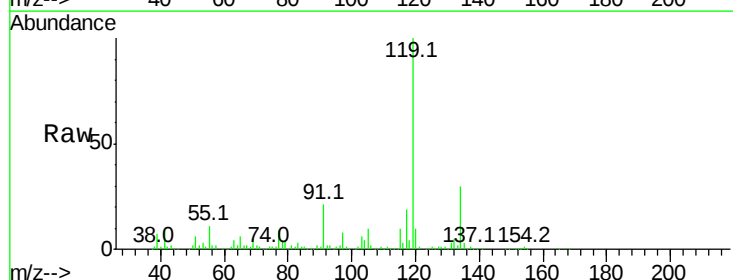
Tgt Ion: 117 Resp: 167637

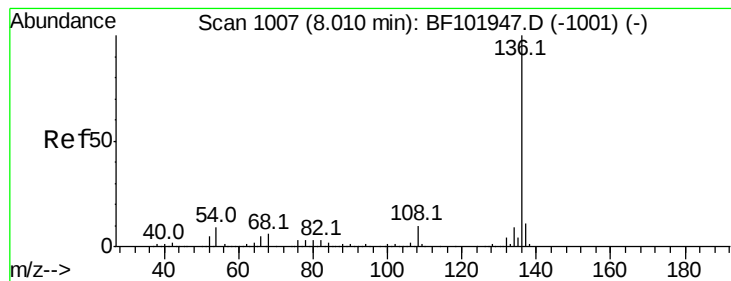
Ion Ratio Lower Upper

117 100

119 519.2 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: BF102188.D

Acq: 18 Jan 2018 9:29

Instrument :

BNA_F

ClientSampleId :

IGW-5DL

Tot Ion:136 Resp: 500771

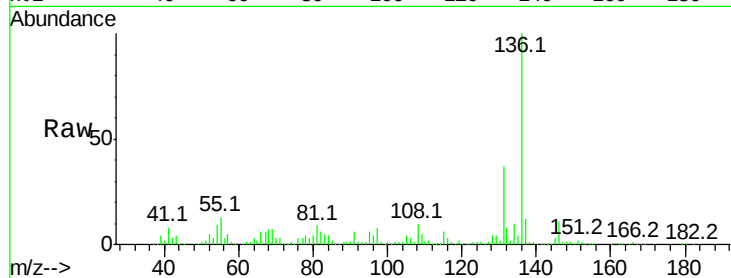
Ion Ratio Lower Upper

136 100

137 12.0 8.9 13.3

54 9.2 6.6 9.8

68 7.0 5.0 7.4

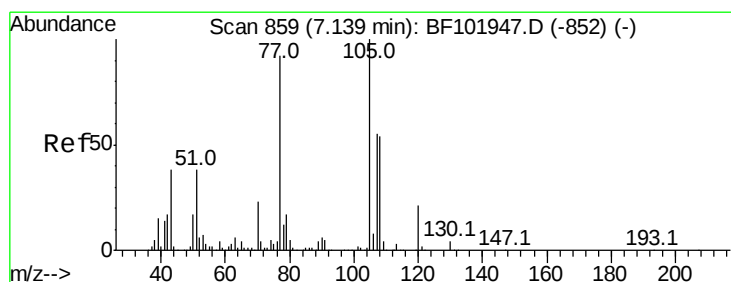
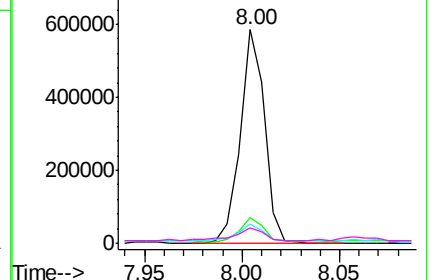
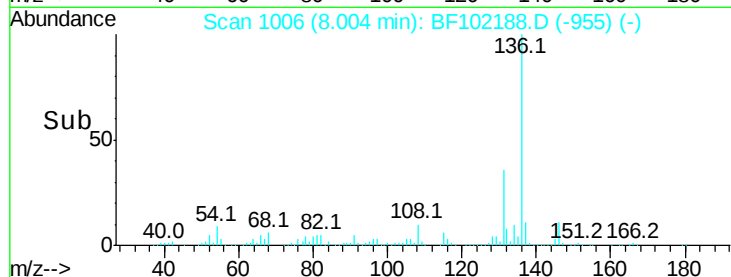


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.641 ng

RT: 7.12 min Scan# 855

Delta R.T. -0.02 min

Lab File: BF102188.D

Acq: 18 Jan 2018 9:29

Tgt Ion:105 Resp: 43937

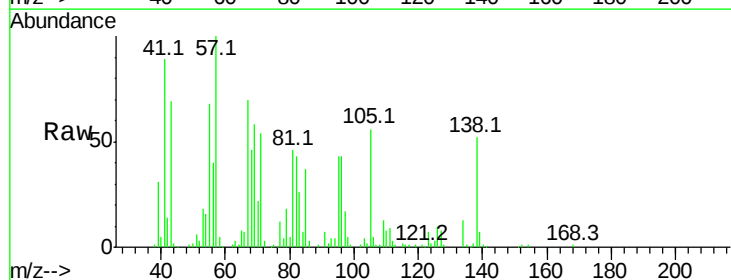
Ion Ratio Lower Upper

105 100

71 97.7 4.4 6.6#

51 11.5 22.3 33.5#

120 0.0 16.9 25.3#

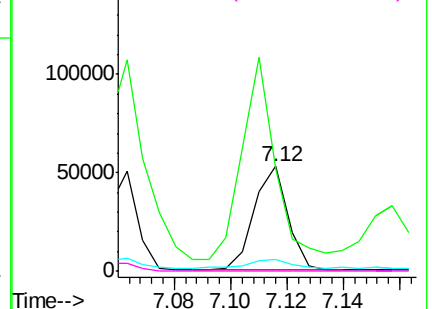
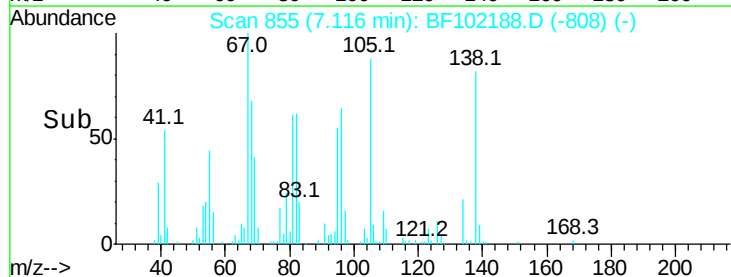


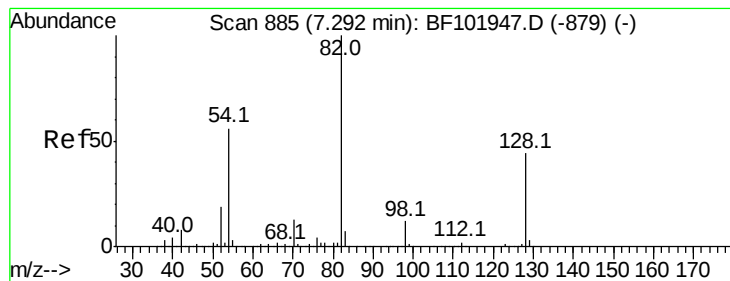
Abundance Ion 105.00 (104.70 to 105.70): E

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: 18.043 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102188.D

Acq: 18 Jan 2018 9:29

Instrument :

BNA_F

ClientSampled :

IGW-5DL

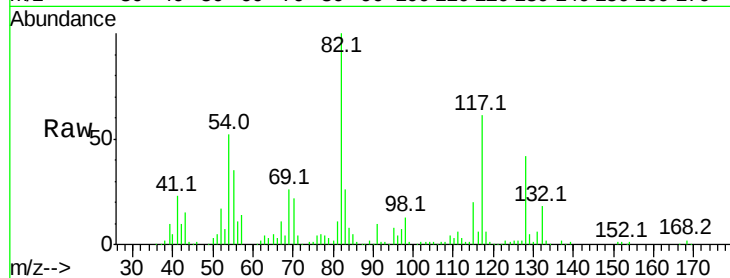
Tot Ion: 82 Resp: 153755

Ion Ratio Lower Upper

82 100

128 42.0 36.1 54.1

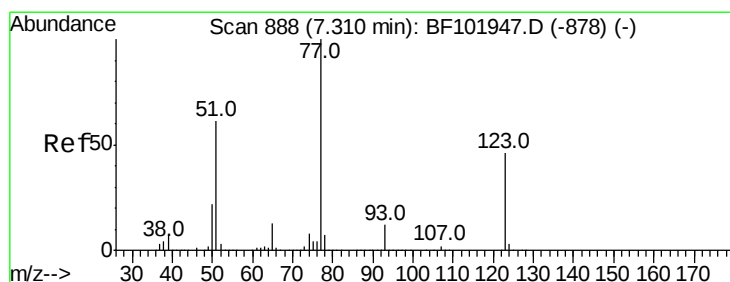
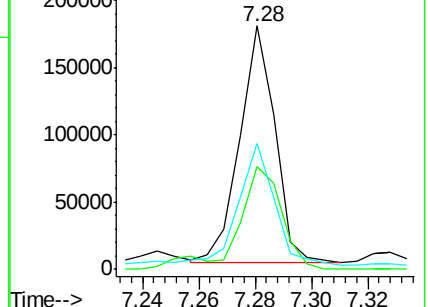
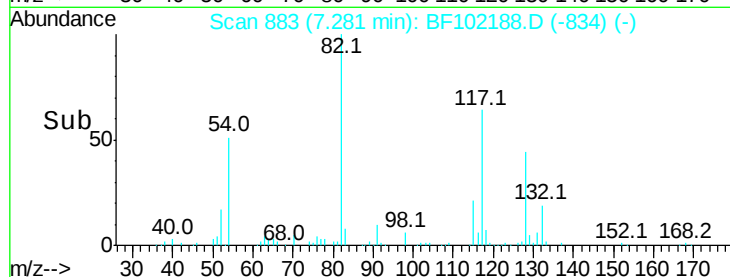
54 51.7 41.4 62.2



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



#24

Nitrobenzene

Concen: 2.118 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.02 min

Lab File: BF102188.D

Acq: 18 Jan 2018 9:29

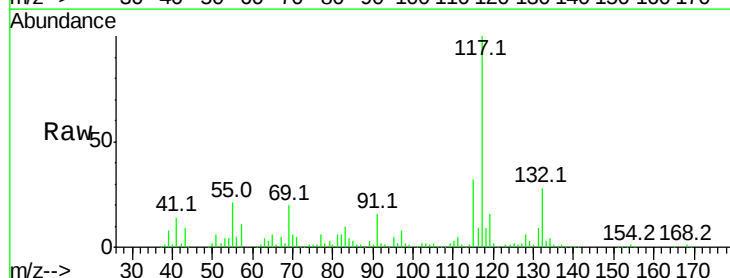
Tgt Ion: 77 Resp: 19397

Ion Ratio Lower Upper

77 100

123 21.8 37.9 56.9#

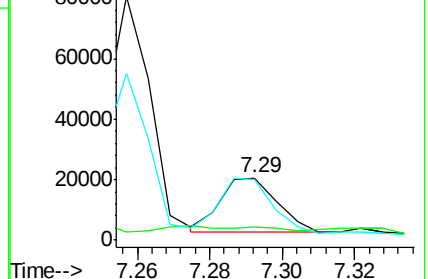
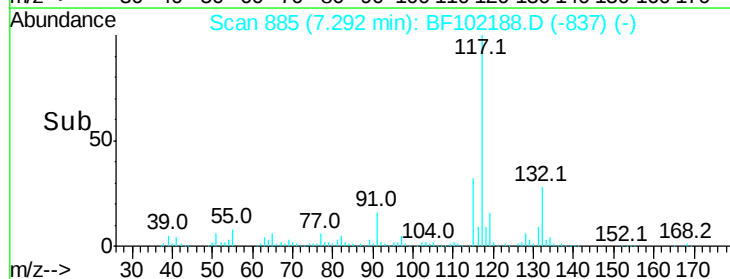
65 96.8 11.0 16.4#

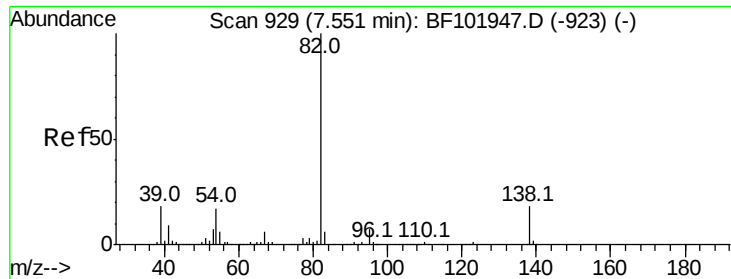


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 2.837 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.02 min

Lab File: BF102188.D

Acq: 18 Jan 2018 9:29

Instrument :

BNA_F

ClientSampleId :

IGW-5DL

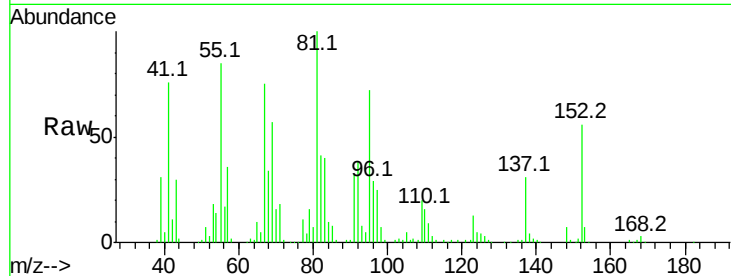
Tot Ion: 82 Resp: 47762

Ion Ratio Lower Upper

82 100

95 175.5 5.2 7.8#

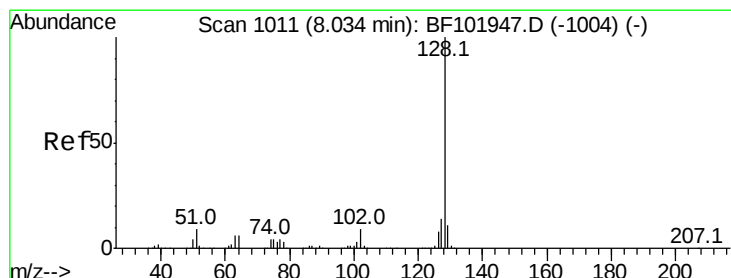
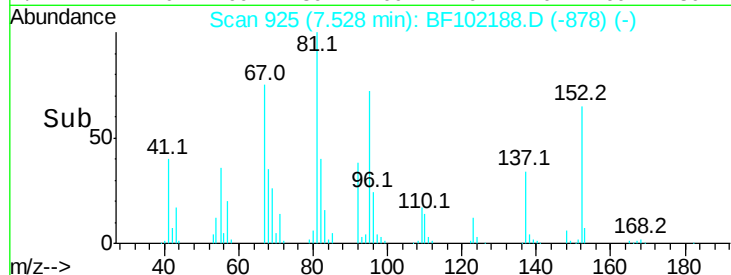
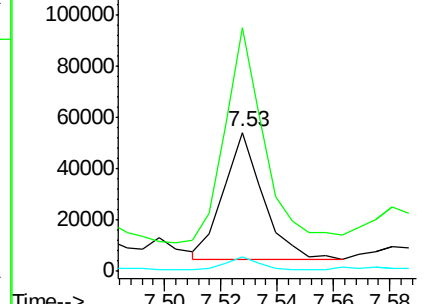
138 10.3 14.9 22.3#



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: 26.144 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.00 min

Lab File: BF102188.D

Acq: 18 Jan 2018 9:29

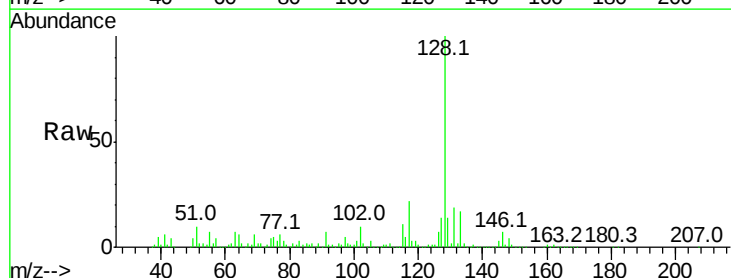
Tgt Ion: 128 Resp: 654200

Ion Ratio Lower Upper

128 100

129 13.6 8.8 13.2#

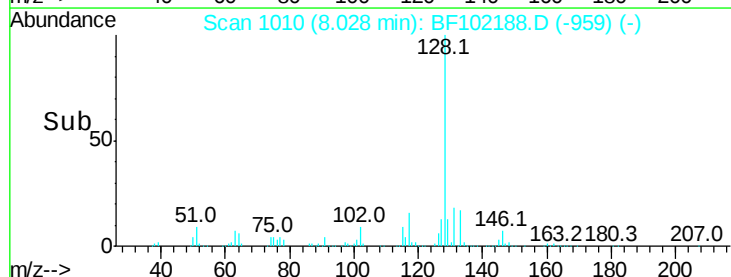
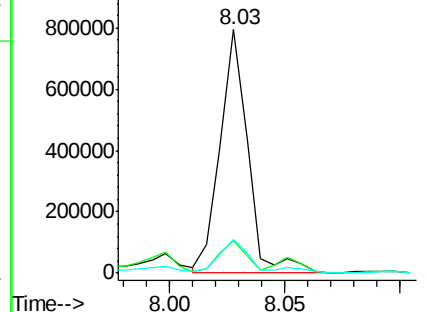
127 14.0 10.9 16.3

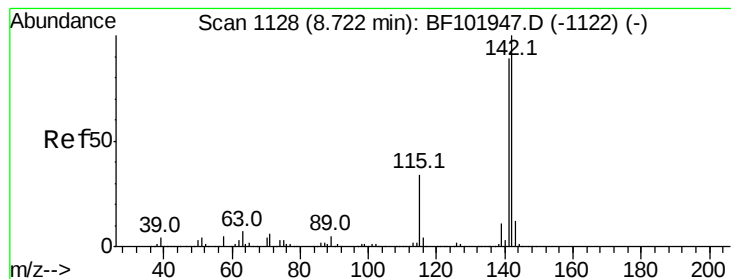


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

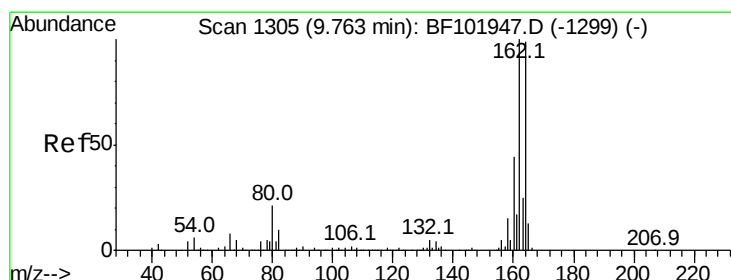
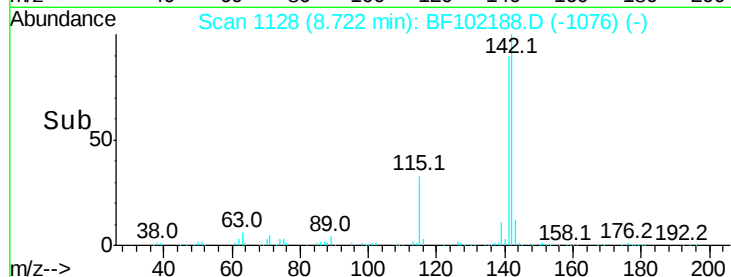
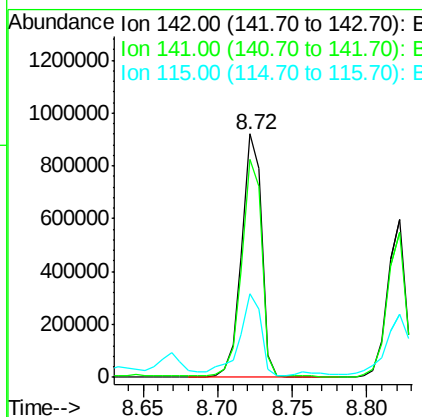
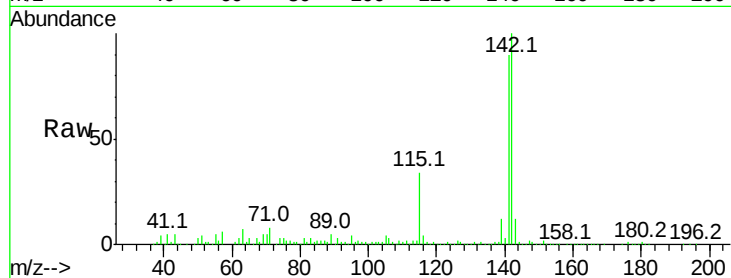




#37
2-Methylnaphthalene
Concen: 51.938 ng
RT: 8.72 min Scan# 1128
Delta R.T. 0.01 min
Lab File: BF102188.D
Acq: 18 Jan 2018 9:29

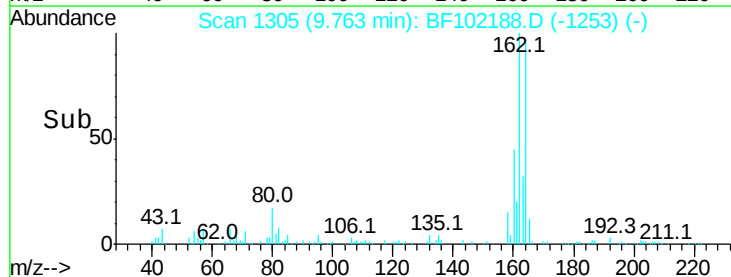
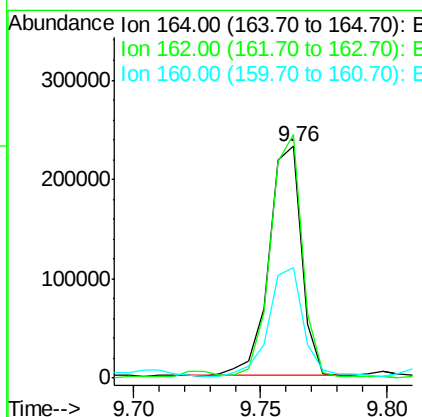
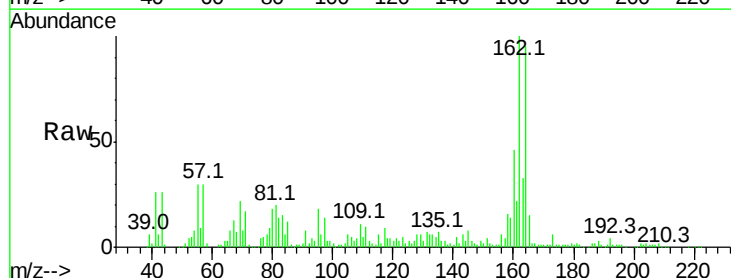
Instrument :
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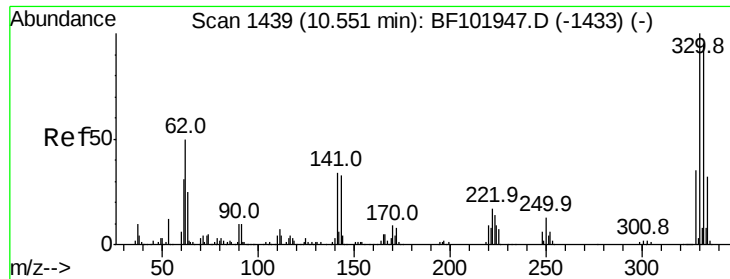
Tot Ion:142 Resp: 855581
Ion Ratio Lower Upper
142 100
141 89.7 70.8 106.2
115 34.4 26.1 39.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.01 min
Lab File: BF102188.D
Acq: 18 Jan 2018 9:29

Tgt Ion:164 Resp: 210070
Ion Ratio Lower Upper
164 100
162 105.1 86.1 129.1
160 47.9 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 17.504 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.00 min

Lab File: BF102188.D

Acq: 18 Jan 2018 9:29

Instrument :

BNA_F

ClientSampled :

IGW-5DL

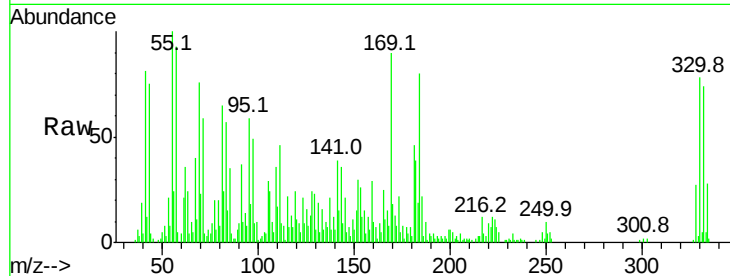
Tot Ion:330 Resp: 32090

Ion Ratio Lower Upper

330 100

332 97.3 77.0 115.6

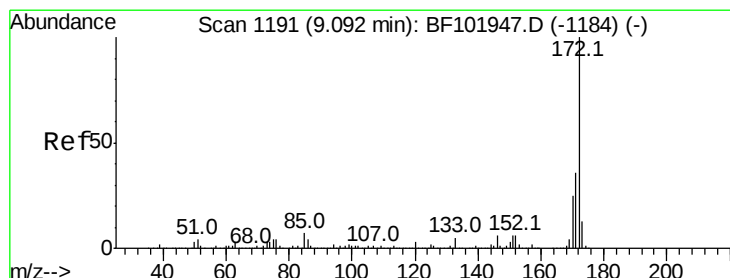
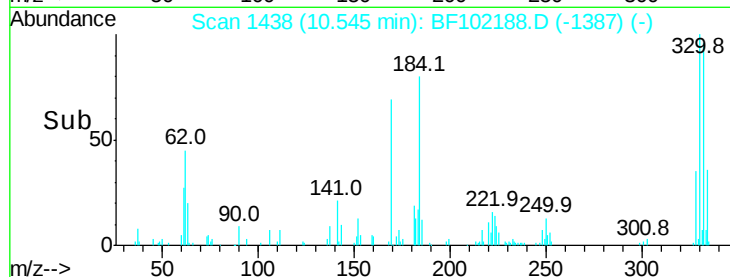
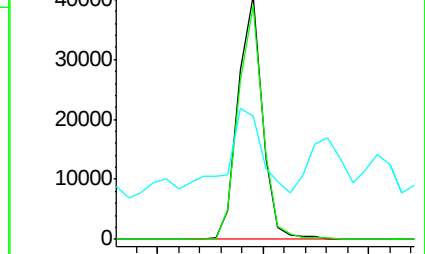
141 47.8 29.9 44.9#



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: 18.826 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF102188.D

Acq: 18 Jan 2018 9:29

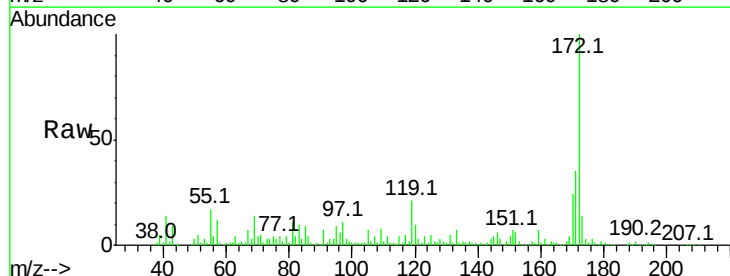
Tgt Ion:172 Resp: 253137

Ion Ratio Lower Upper

172 100

171 35.5 29.7 44.5

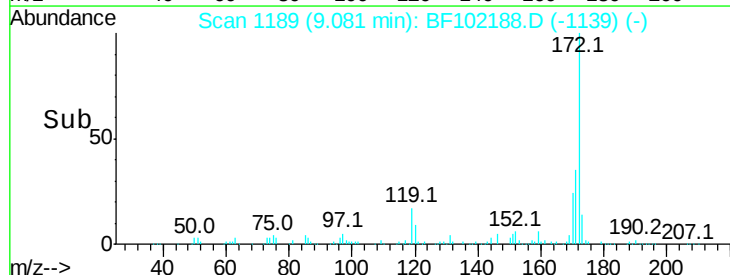
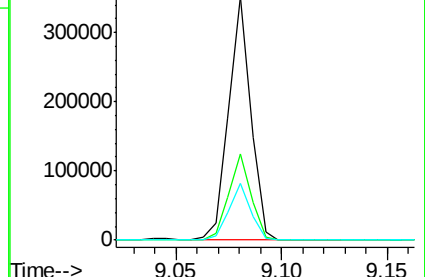
170 23.5 19.6 29.4

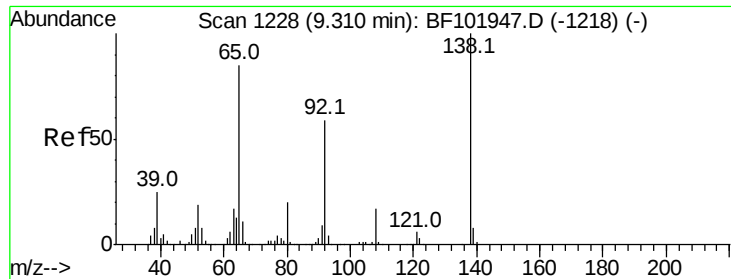


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#47

2-Nitroaniline

Concen: 3.220 ng

RT: 9.34 min Scan# 1233

Delta R.T. 0.04 min

Lab File: BF102188.D

Acq: 18 Jan 2018 9:29

Instrument :

BNA_F

ClientSampleId :

IGW-5DL

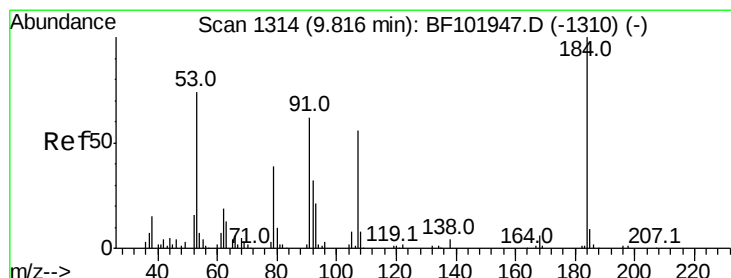
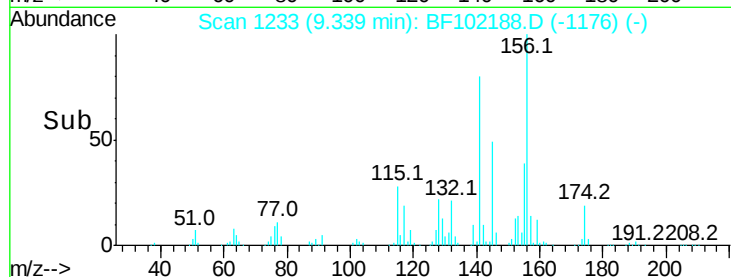
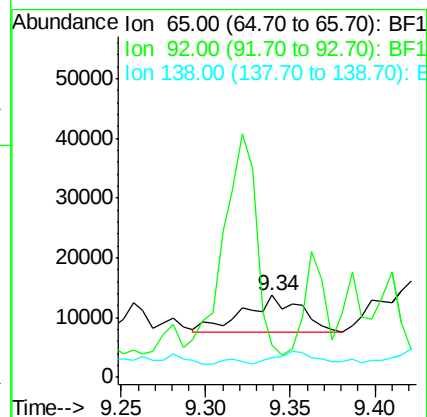
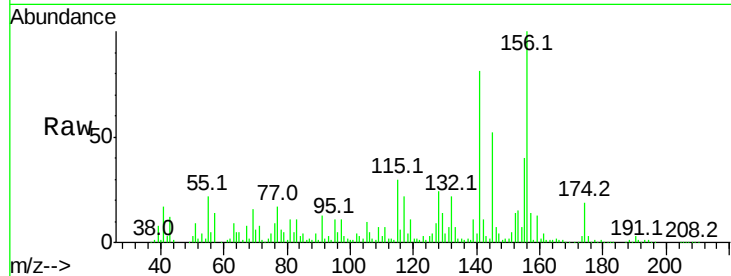
Tot Ion: 65 Resp: 13887

Ion Ratio Lower Upper

65 100

92 39.1 55.8 83.6#

138 23.5 91.2 136.8#



#53

2,4-Dinitrophenol

Concen: 8.787 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.01 min

Lab File: BF102188.D

Acq: 18 Jan 2018 9:29

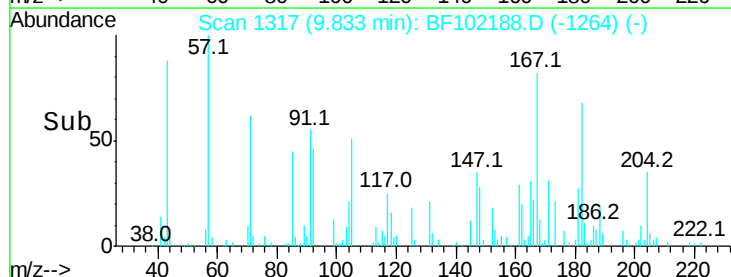
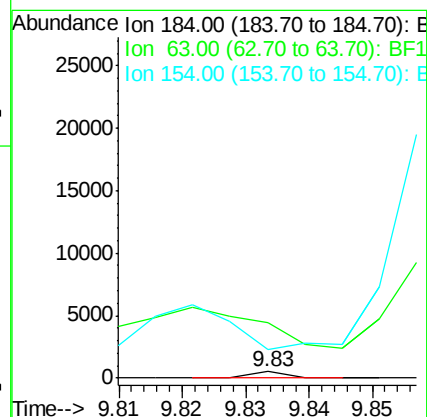
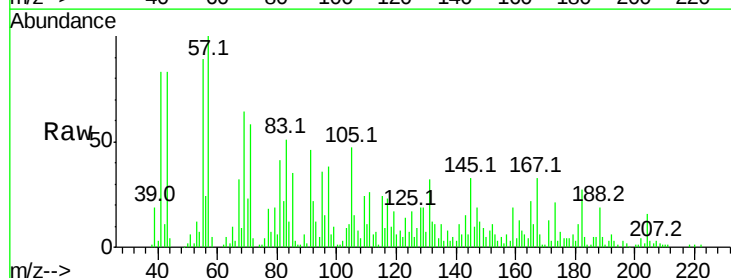
Tgt Ion: 184 Resp: 186

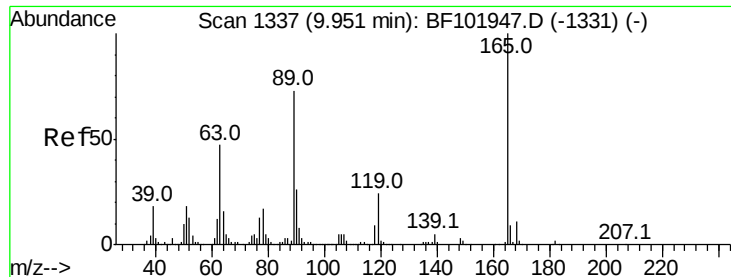
Ion Ratio Lower Upper

184 100

63 841.4 54.2 81.2#

154 437.6 184.0 276.0#





#56

2,4-Dinitrotoluene

Concen: 3.900 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.01 min

Lab File: BF102188.D

Acq: 18 Jan 2018 9:29

Instrument :

BNA_F

ClientSampleId :

IGW-5DL

Tot Ion:165 Resp: 16456

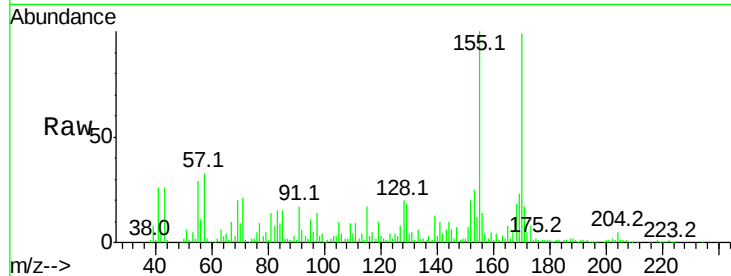
Ion Ratio Lower Upper

165 100

63 75.7 36.4 54.6#

89 39.3 57.8 86.6#

182 13.1 1.6 2.4#

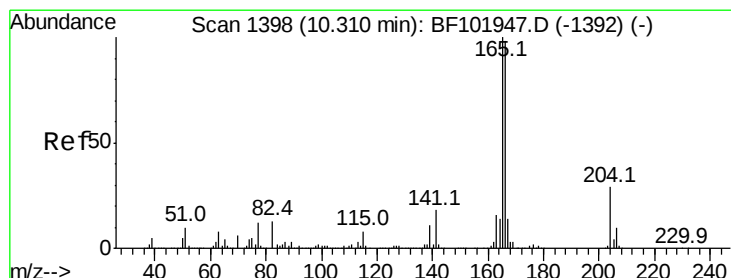
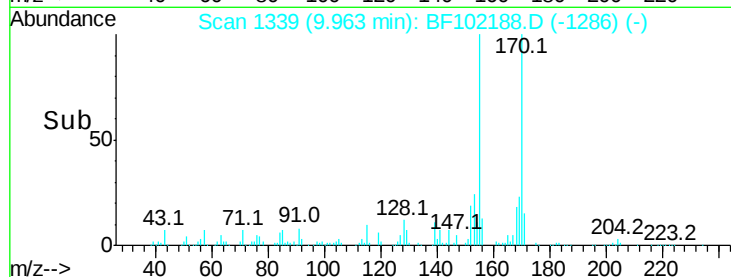
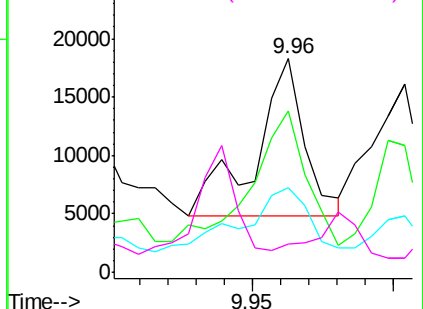


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 6.564 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.01 min

Lab File: BF102188.D

Acq: 18 Jan 2018 9:29

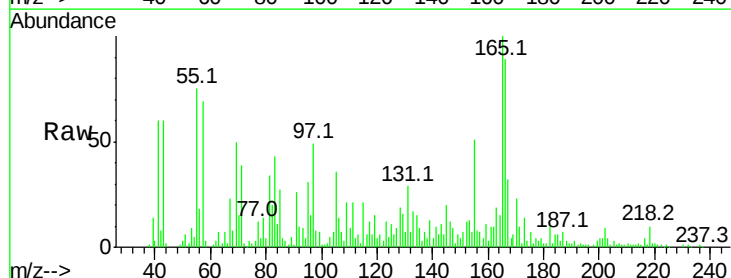
Tgt Ion:166 Resp: 86372

Ion Ratio Lower Upper

166 100

165 112.6 79.8 119.8

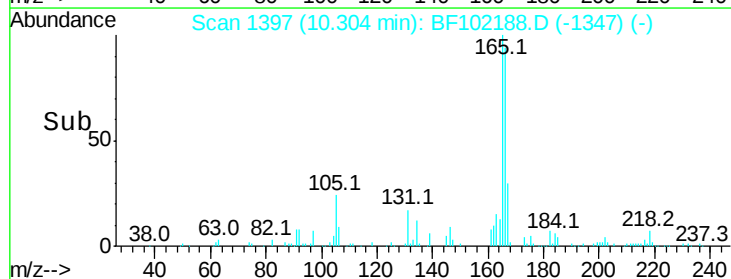
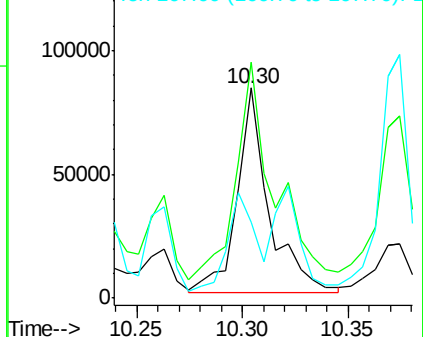
167 36.3 10.6 16.0#

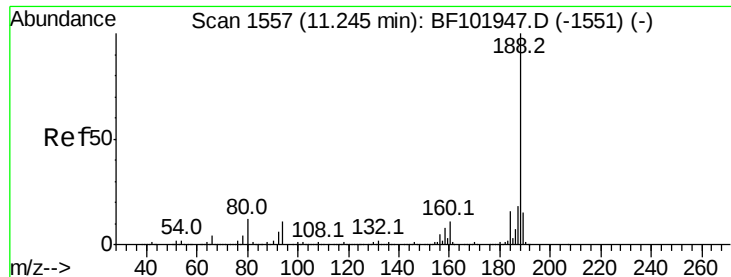


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.00 min

Lab File: BF102188.D

Acq: 18 Jan 2018 9:29

Instrument :

BNA_F

ClientSampleId :

IGW-5DL

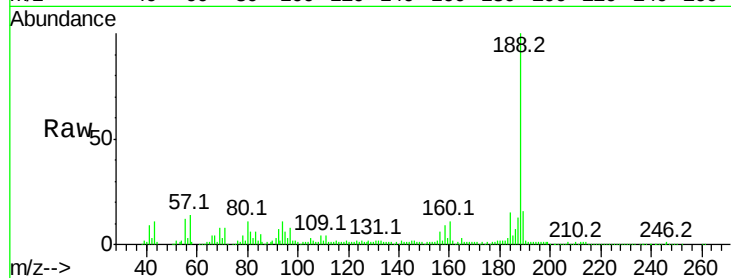
Tot Ion:188 Resp: 293954

Ion Ratio Lower Upper

188 100

94 10.8 8.5 12.7

80 11.3 9.2 13.8



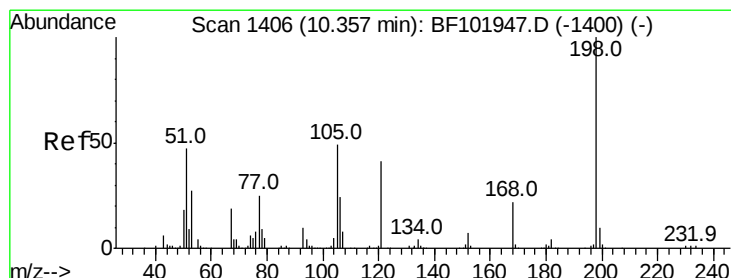
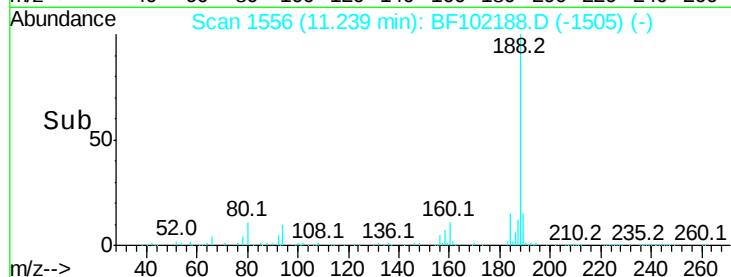
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

11.24

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 6.085 ng

RT: 10.37 min Scan# 1408

Delta R.T. 0.01 min

Lab File: BF102188.D

Acq: 18 Jan 2018 9:29

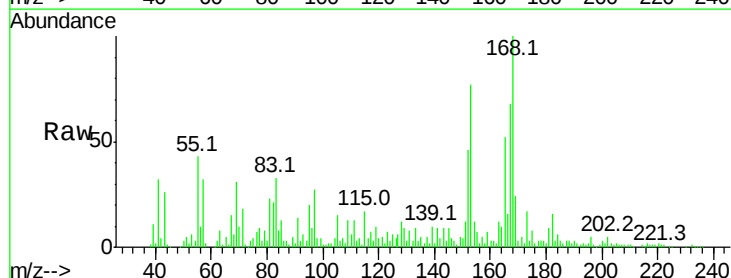
Tgt Ion:198 Resp: 765

Ion Ratio Lower Upper

198 100

51 1174.7 37.7 77.7#

105 3165.0 36.3 76.3#



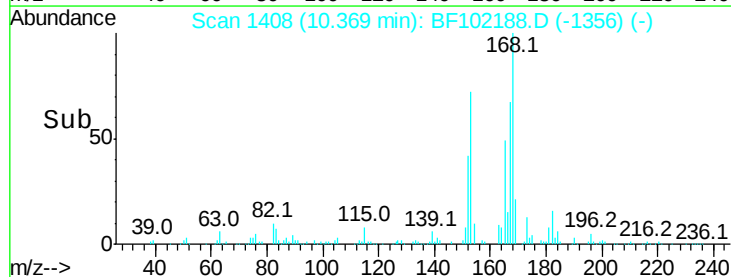
Abundance Ion 198.00 (197.70 to 198.70): E

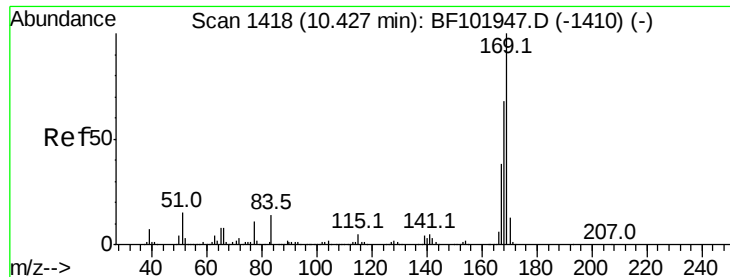
Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

10.37

Time-->





#65

n-Nitrosodiphenylamine

Concen: 7.449 ng

RT: 10.42 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BF102188.D

Acq: 18 Jan 2018 9:29

Instrument :

BNA_F

ClientSampleId :

IGW-5DL

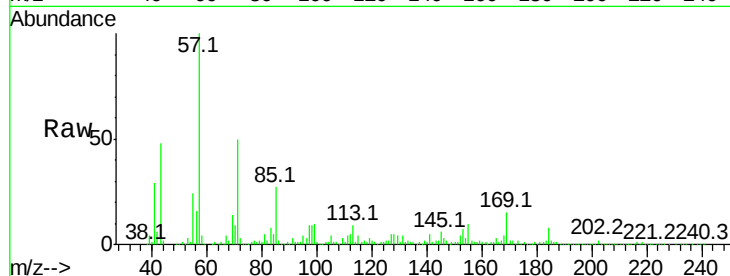
Tot Ion:169 Resp: 81996

Ion Ratio Lower Upper

169 100

168 27.8 54.4 81.6#

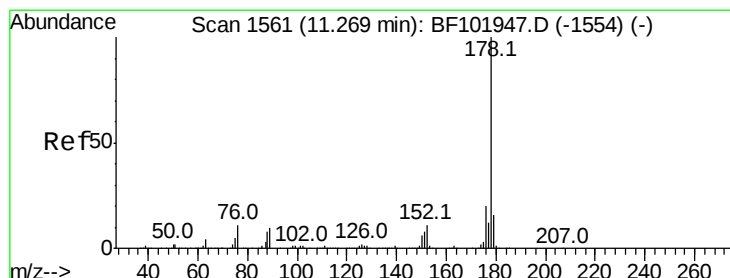
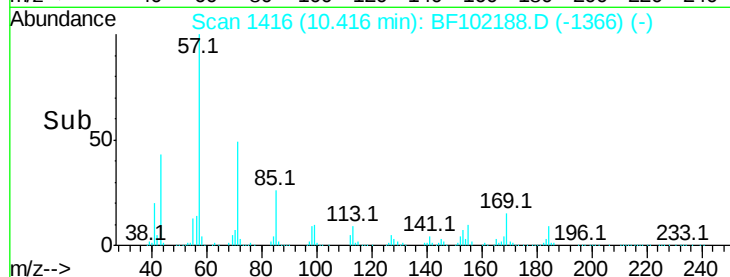
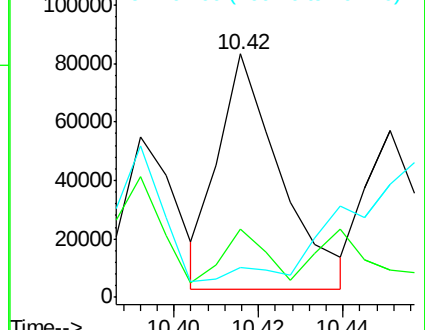
167 12.3 29.8 44.6#



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: 8.527 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF102188.D

Acq: 18 Jan 2018 9:29

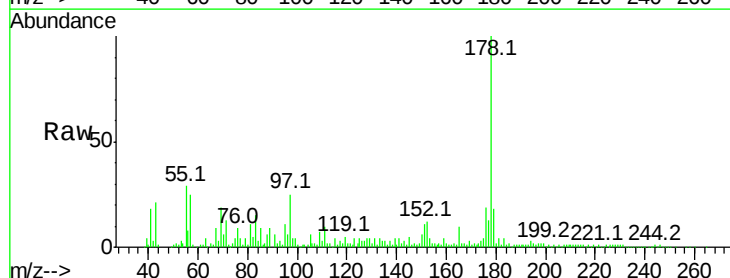
Tgt Ion:178 Resp: 146424

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

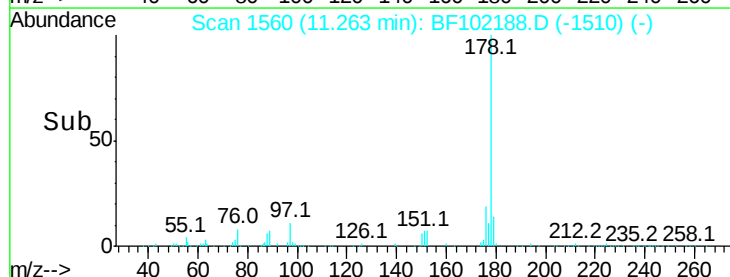
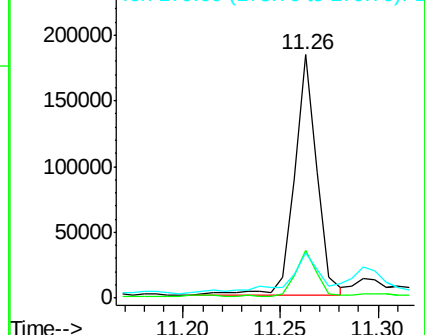
179 18.5 13.0 19.6

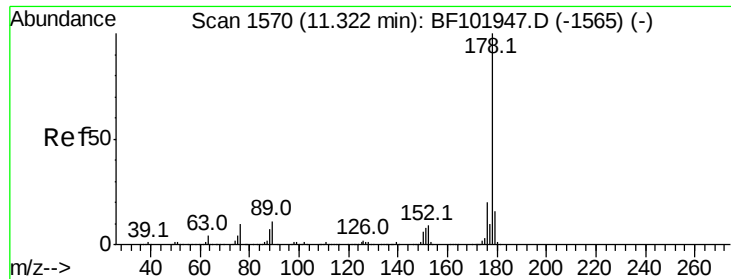


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

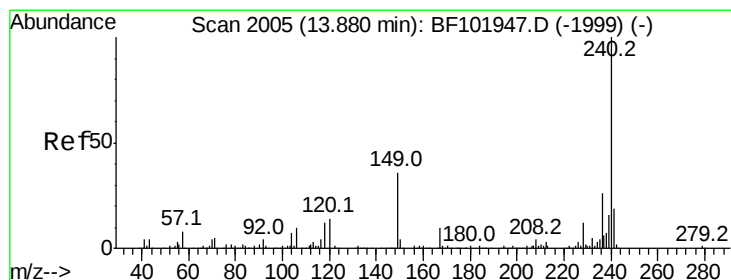
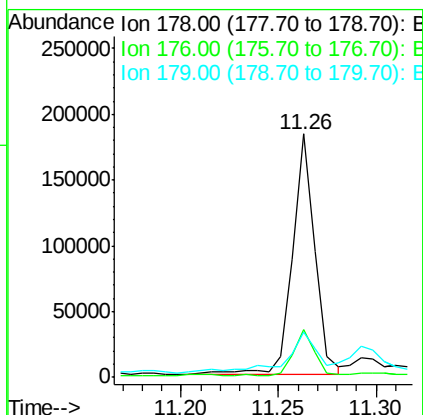
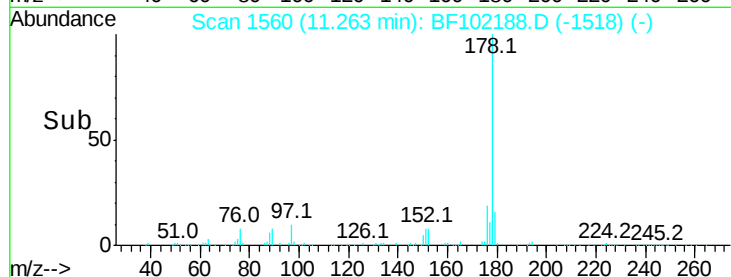
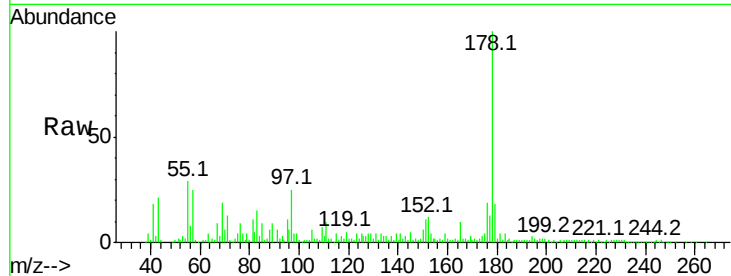




#71
 Anthracene
 Concen: 8.408 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.05 min
 Lab File: BF102188.D
 Acq: 18 Jan 2018 9:29

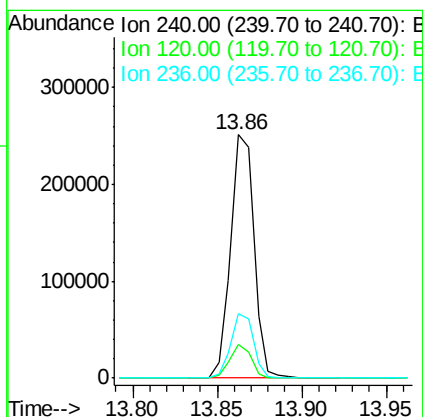
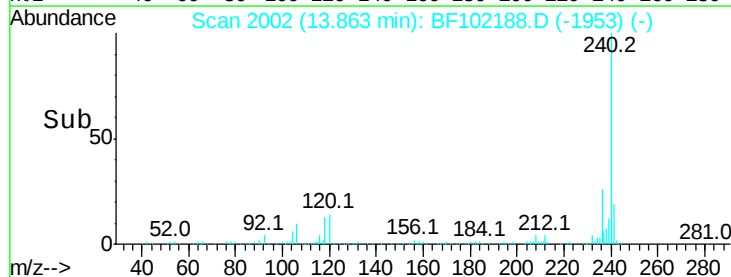
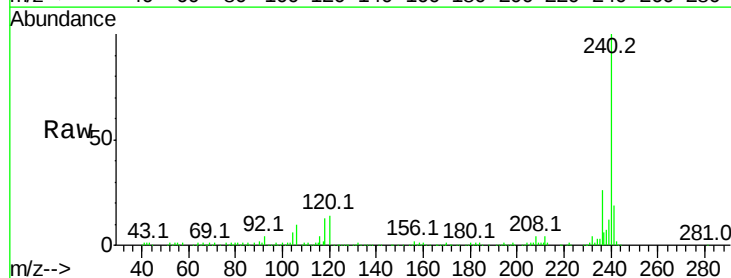
Instrument :
 BNA_F
 ClientSampleId :
 IGW-5DL

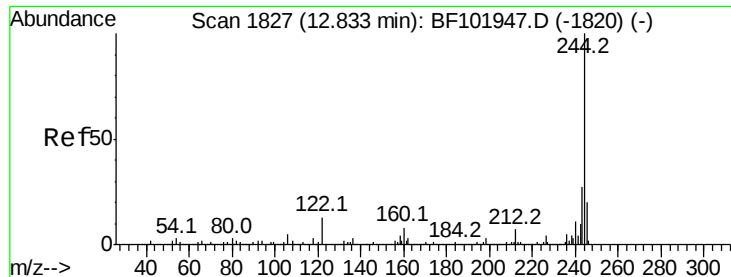
Tot Ion:178 Resp: 146424
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.2
 179 18.5 12.6 19.0



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF102188.D
 Acq: 18 Jan 2018 9:29

Tgt Ion:240 Resp: 242892
 Ion Ratio Lower Upper
 240 100
 120 13.9 9.5 14.3
 236 26.3 20.7 31.1





#78

Terphenyl-d14

Concen: 13.537 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF102188.D

Acq: 18 Jan 2018 9:29

Instrument :

BNA_F

ClientSampleId :

IGW-5DL

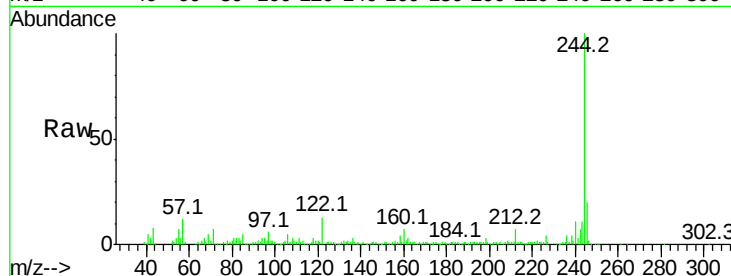
Tot Ion:244 Resp: 158363

Ion Ratio Lower Upper

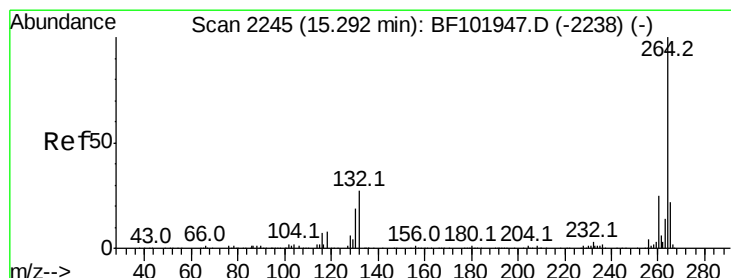
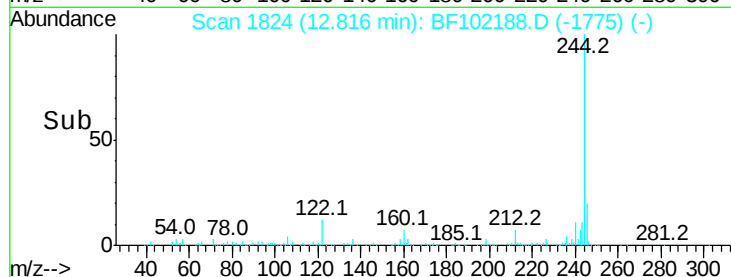
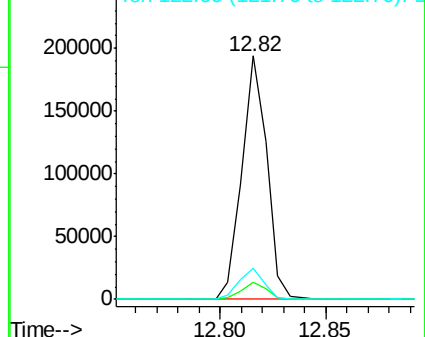
244 100

212 7.2 5.4 8.0

122 12.8 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: BF102188.D

Acq: 18 Jan 2018 9:29

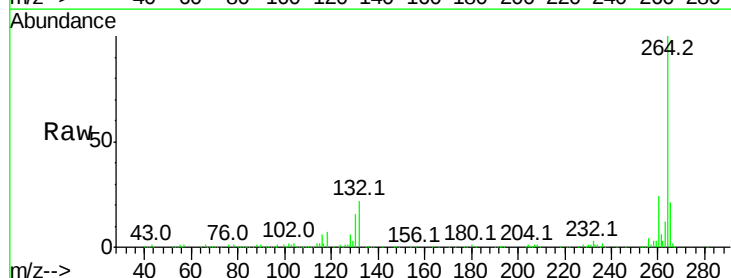
Tgt Ion:264 Resp: 241255

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.3 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

