

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
 Data File : BF103583.D
 Acq On : 12 Mar 2018 15:47
 Operator : SJ/JU
 Sample : J1821-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AMENDED-COMPOSITE-1-3-201802

Quant Time: Mar 13 01:31:45 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 11:47:13 2018
 Response via : Initial Calibration

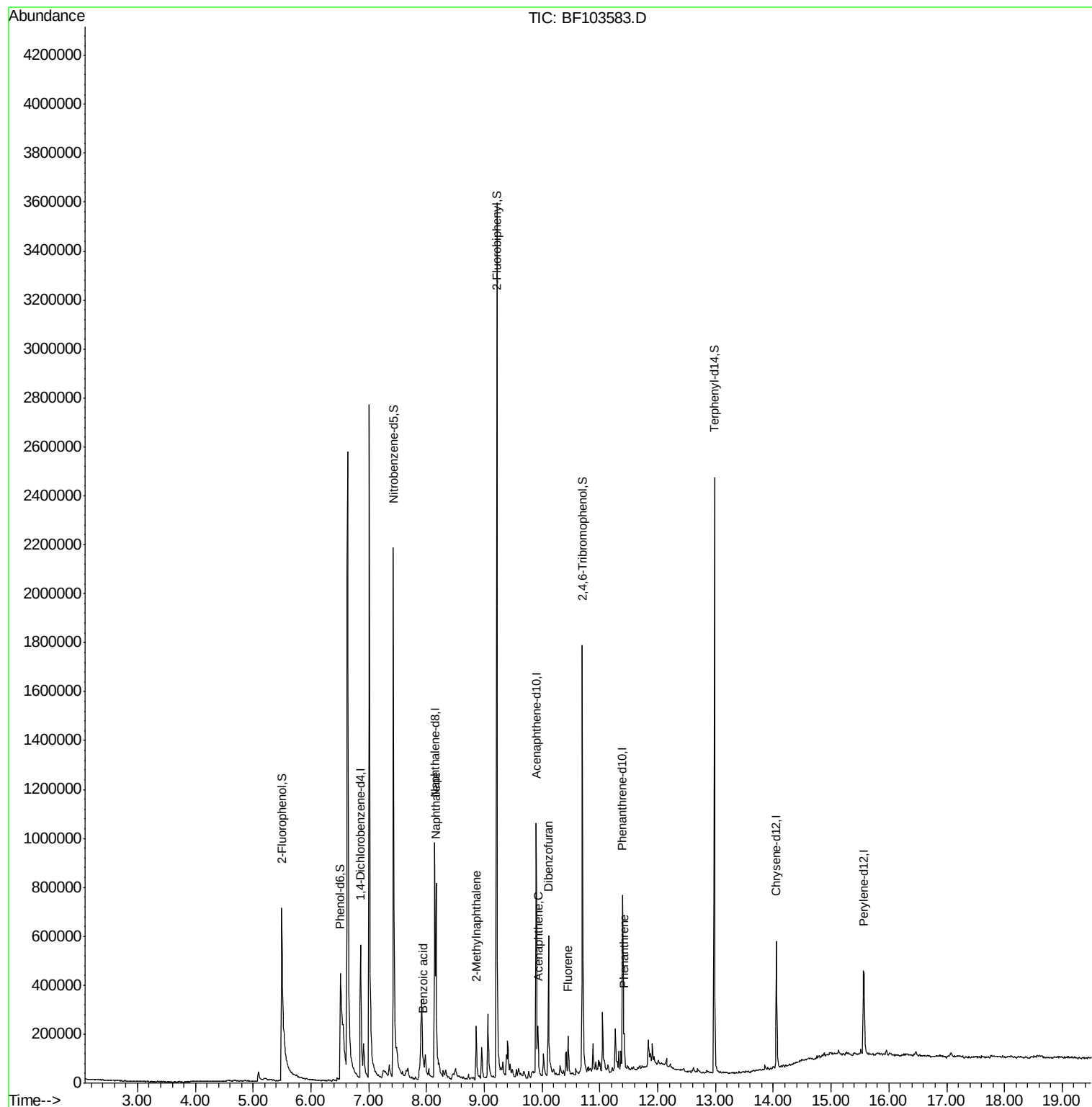
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	122883	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	519590	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	212836	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	311520	20.00	ng	-0.01
75) Chrysene-d12	14.06	240	201276	20.00	ng	0.00
86) Perylene-d12	15.56	264	196250	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	554414	68.24	ng	0.00
7) Phenol-d6	6.51	99	421186	42.36	ng	0.00
23) Nitrobenzene-d5	7.43	82	970986	106.72	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	218589	121.33	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1314538	115.97	ng	0.00
78) Terphenyl-d14	12.98	244	849270	101.43	ng	0.00
Target Compounds						
31) Naphthalene	8.16	128	423508	16.65	ng	Qvalue 99
32) Benzoic acid	7.95	122	14834	9.29	ng	# 64
37) 2-Methylnaphthalene	8.86	142	74165	4.51	ng	100
51) Acenaphthene	9.93	154	38555	3.05	ng	99
54) Dibenzofuran	10.11	168	38866	2.24	ng	94
57) Fluorene	10.45	166	31453	2.12	ng	96
70) Phenanthrene	11.42	178	49810	2.91	ng	98

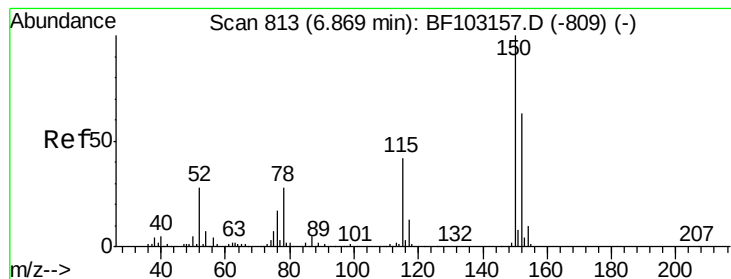
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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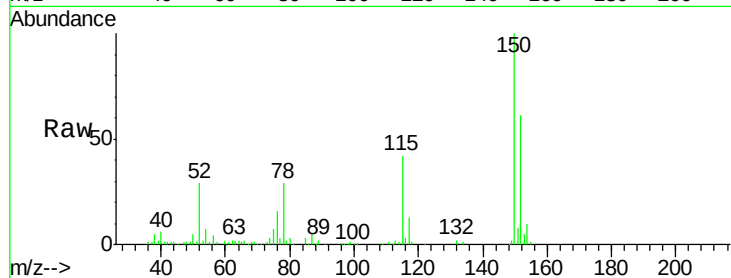


#1

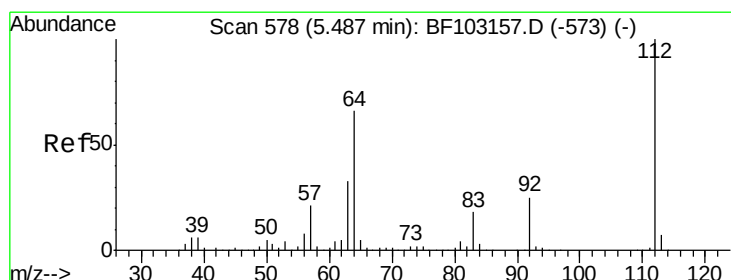
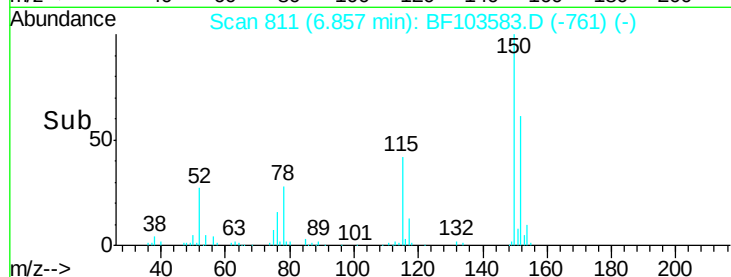
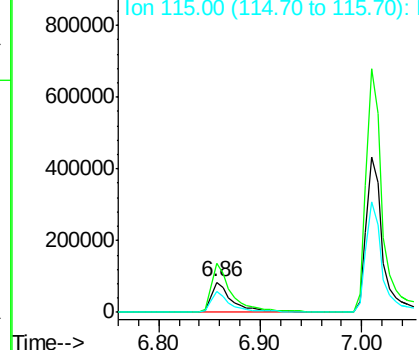
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103583.D
Acq: 12 Mar 2018 15:47

Instrument :
BNA_F
ClientSampleId :
AMENDED-COMPOSITE-1-3-201802

Tot Ion:152 Resp: 122883
Ion Ratio Lower Upper
152 100
150 162.8 124.6 186.8
115 67.9 50.1 75.1



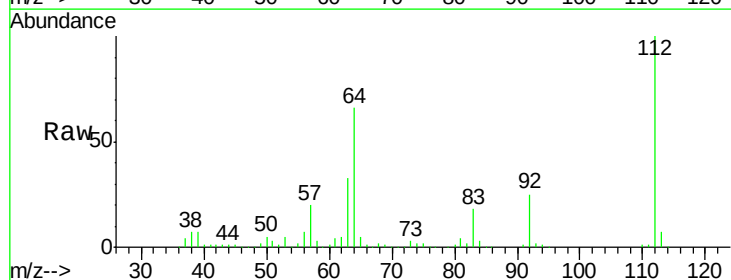
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



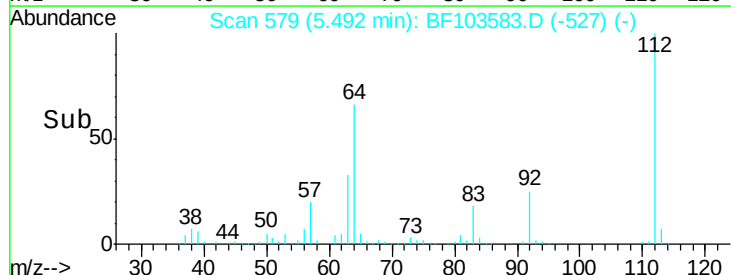
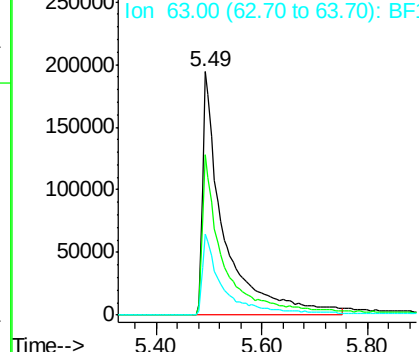
#5

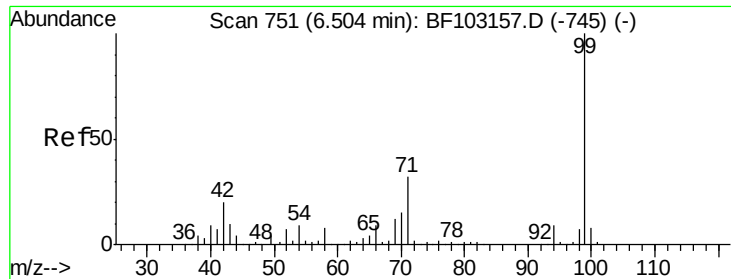
2-Fluorophenol
Concen: 68.24 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103583.D
Acq: 12 Mar 2018 15:47

Tgt Ion:112 Resp: 554414
Ion Ratio Lower Upper
112 100
64 66.0 47.9 71.9
63 33.5 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: 42.36 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103583.D

Acq: 12 Mar 2018 15:47

Instrument :

BNA_F

ClientSampleId :

AMENDED-COMPOSITE-1-3-201802

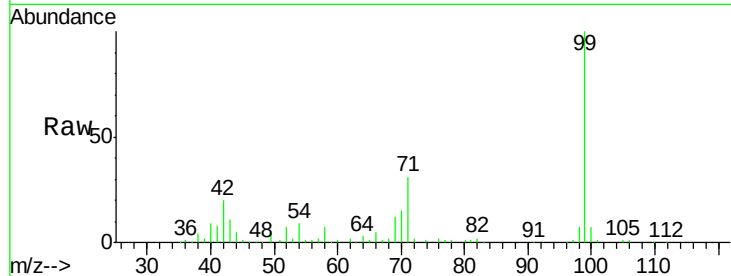
Tot Ion: 99 Resp: 421186

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

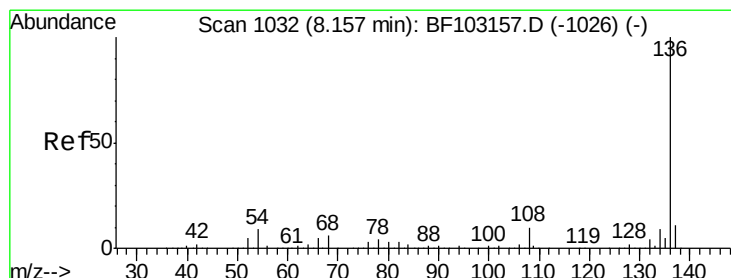
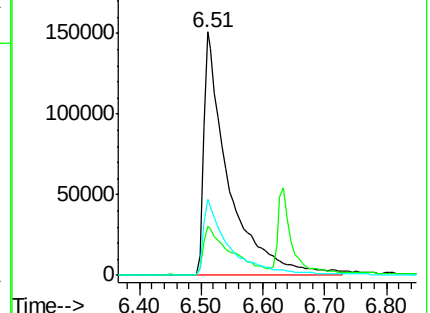
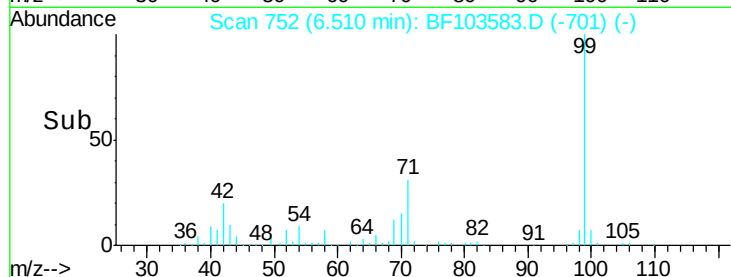
71 31.1 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF103583.D

Acq: 12 Mar 2018 15:47

Tgt Ion: 136 Resp: 519590

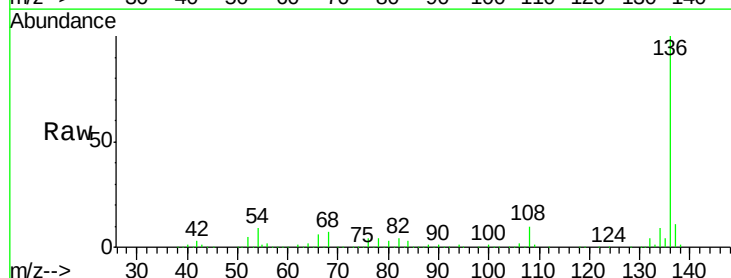
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 9.2 6.6 9.8

68 6.8 5.0 7.4

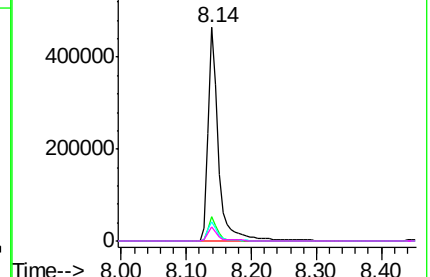
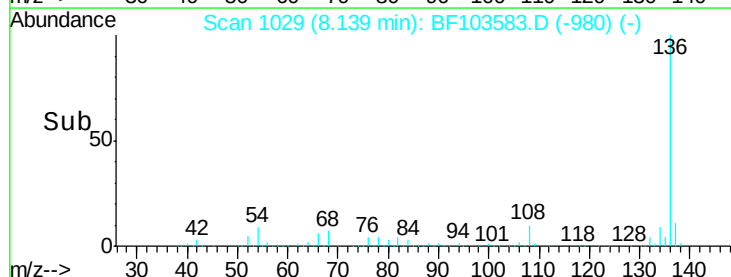


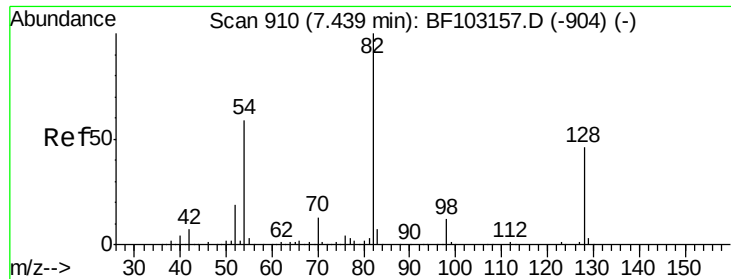
Abundance Ion 136.00 (135.70 to 136.70): E

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: 106.72 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF103583.D

Acq: 12 Mar 2018 15:47

Instrument :

BNA_F

ClientSampleId :

AMENDED-COMPOSITE-1-3-201802

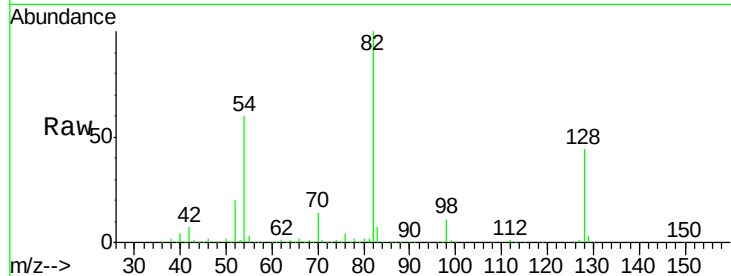
Tot Ion: 82 Resp: 970986

Ion Ratio Lower Upper

82 100

128 43.6 36.1 54.1

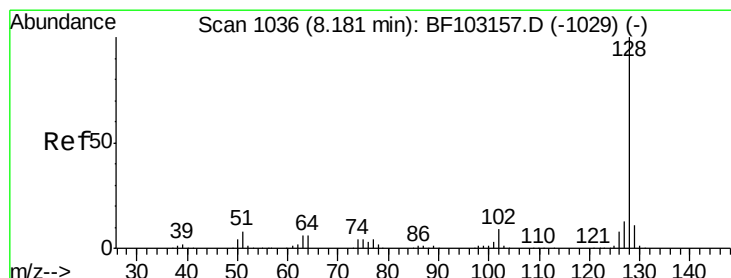
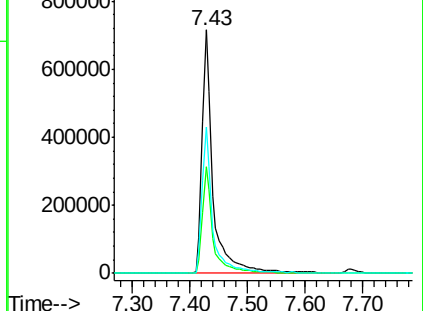
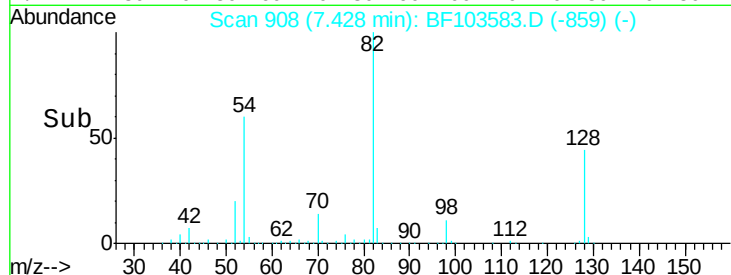
54 60.3 41.4 62.2



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



#31

Naphthalene

Concen: 16.65 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF103583.D

Acq: 12 Mar 2018 15:47

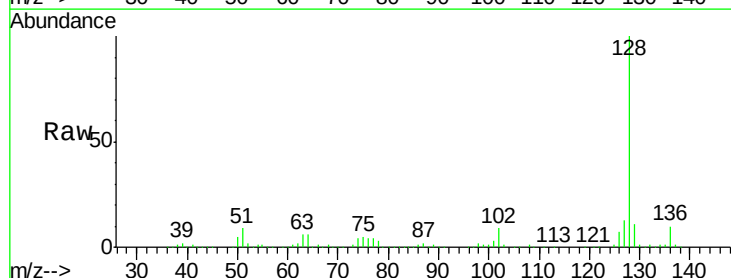
Tgt Ion: 128 Resp: 423508

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

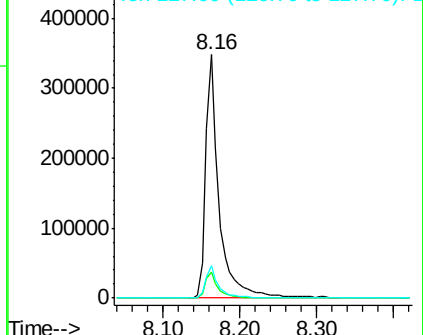
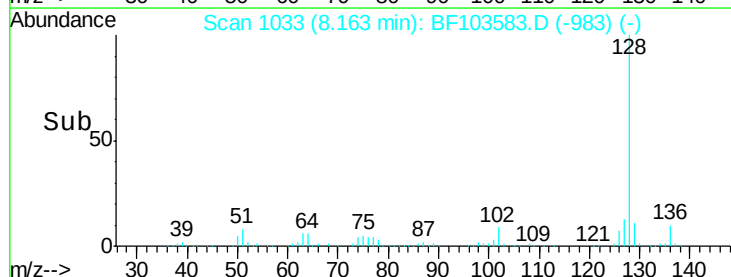
127 13.1 10.9 16.3

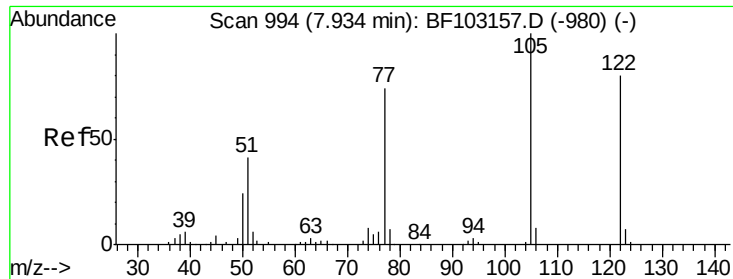


Abundance Ion 128.00 (127.70 to 128.70): BF1

Ion 129.00 (128.70 to 129.70): BF1

Ion 127.00 (126.70 to 127.70): BF1





#32

Benzoic acid

Concen: 9.29 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.02 min

Lab File: BF103583.D

Acq: 12 Mar 2018 15:47

Instrument :

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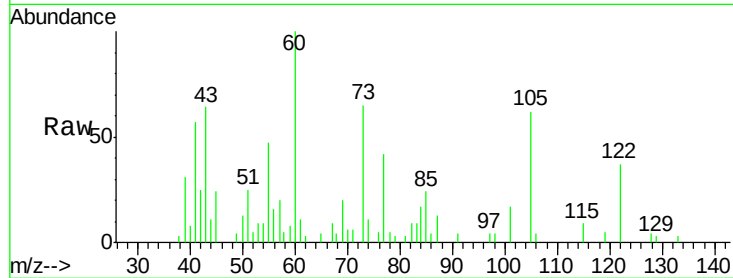
Tot Ion:122 Resp: 14834

Ion Ratio Lower Upper

122 100

105 169.9 101.1 141.1#

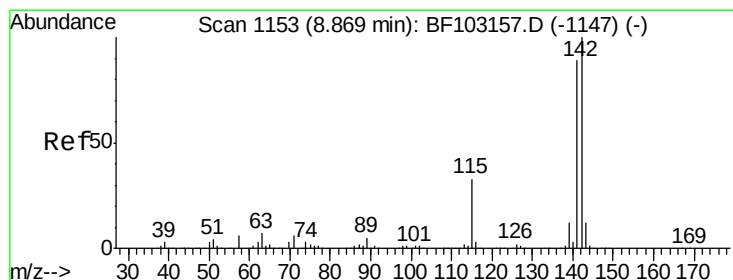
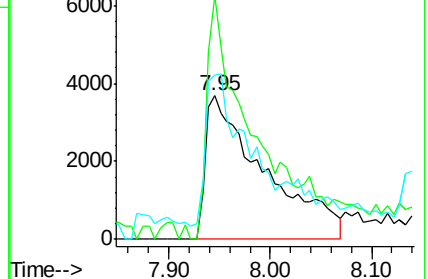
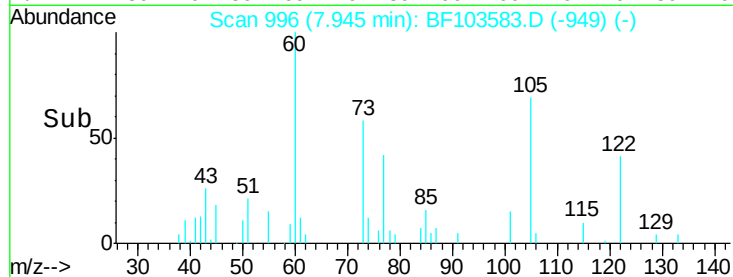
77 114.4 70.7 110.7#



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: 4.51 ng

RT: 8.86 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BF103583.D

Acq: 12 Mar 2018 15:47

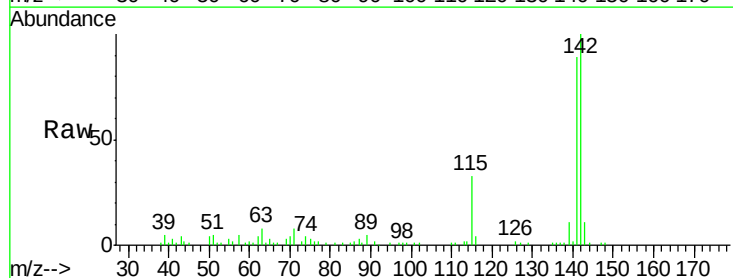
Tgt Ion:142 Resp: 74165

Ion Ratio Lower Upper

142 100

141 88.6 70.8 106.2

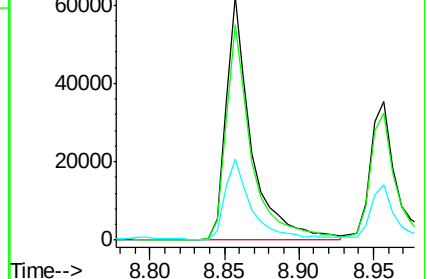
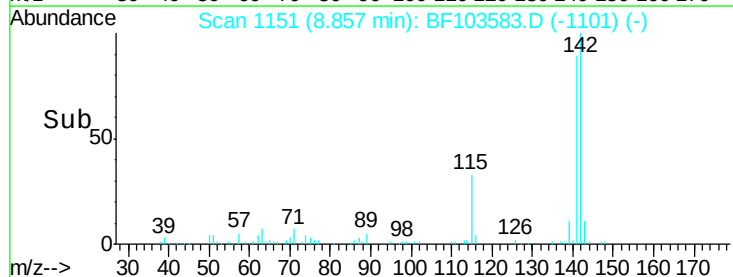
115 33.4 26.1 39.1

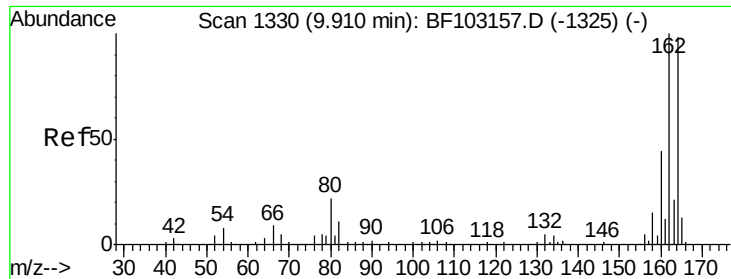


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF103583.D

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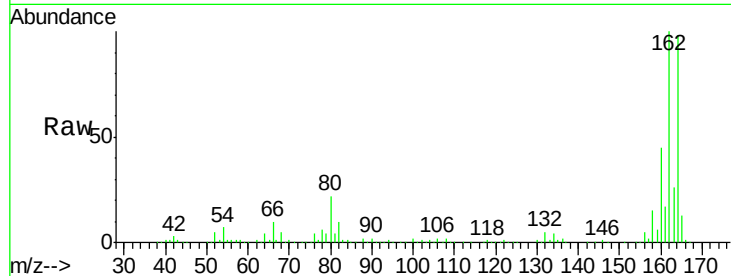
Tot Ion:164 Resp: 212836

Ion Ratio Lower Upper

164 100

162 101.5 86.1 129.1

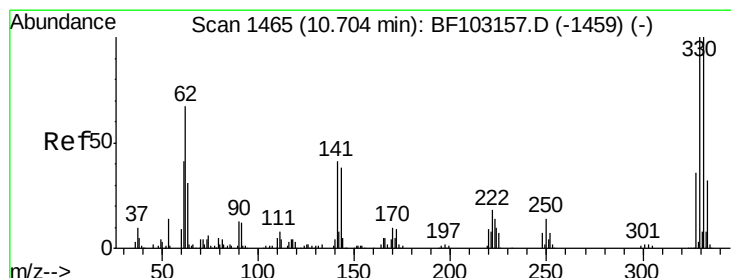
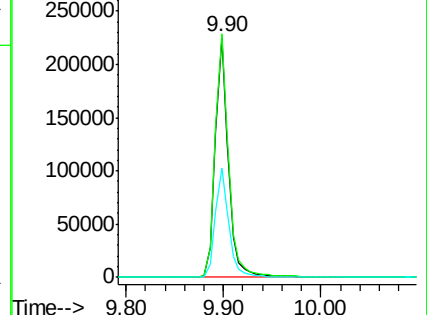
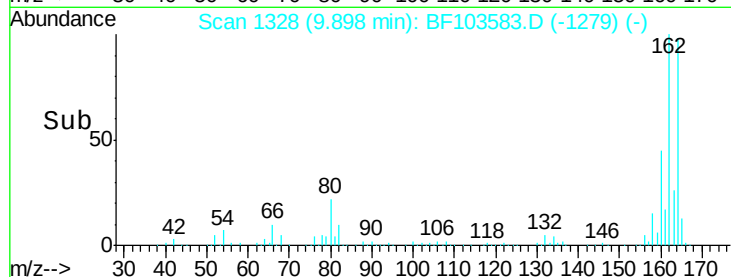
160 45.5 38.3 57.5



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: 121.33 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.01 min

Lab File: BF103583.D

Acq: 12 Mar 2018 15:47

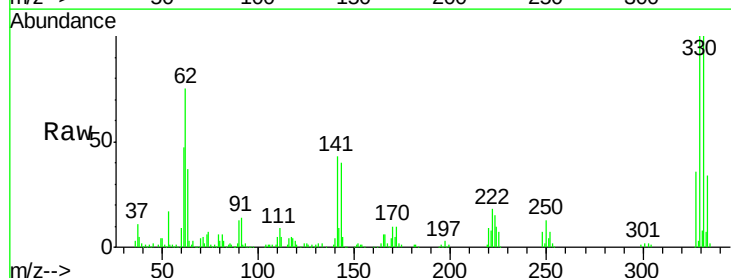
Tgt Ion:330 Resp: 218589

Ion Ratio Lower Upper

330 100

332 100.4 77.0 115.6

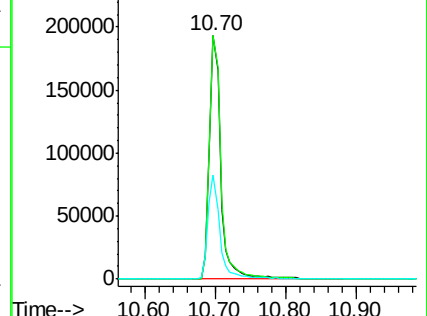
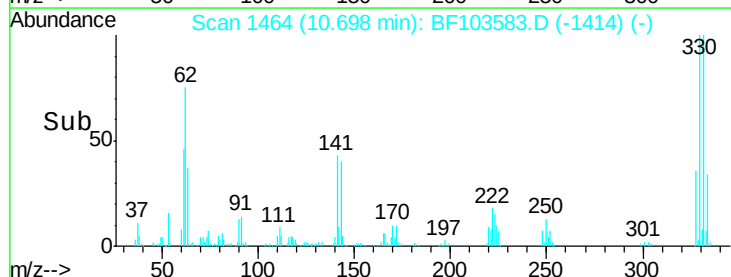
141 44.9 29.9 44.9#

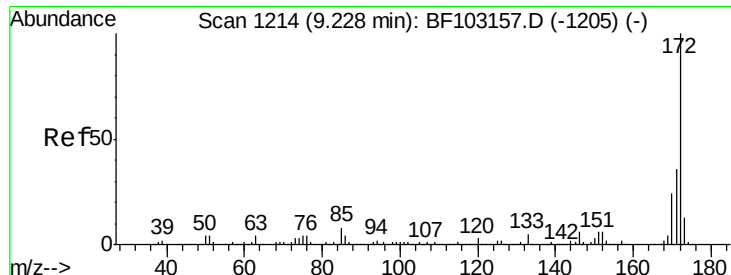


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

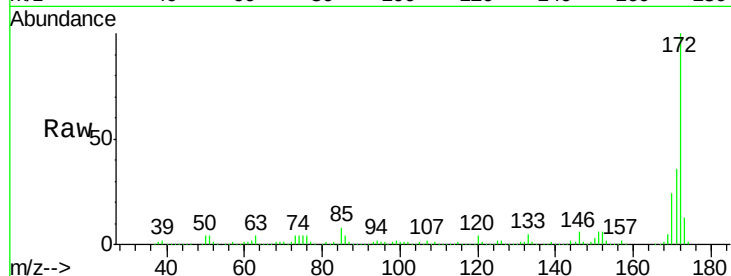




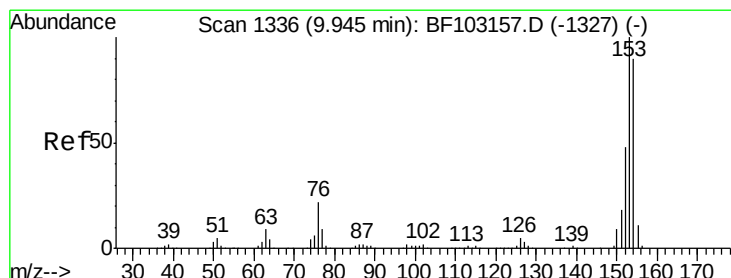
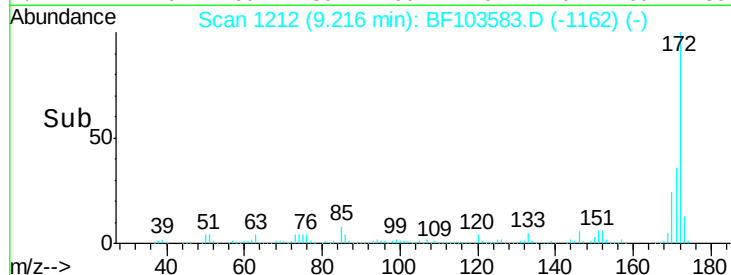
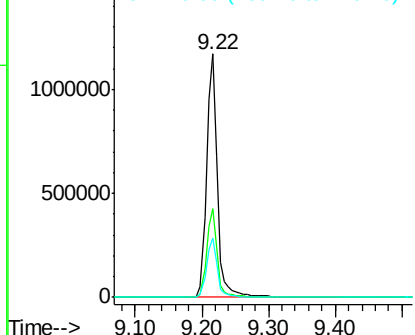
#44
2-Fluorobiphenyl
Concen: 115.97 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF103583.D
Acq: 12 Mar 2018 15:47

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Tot Ion:172 Resp: 1314538
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 24.4 19.6 29.4

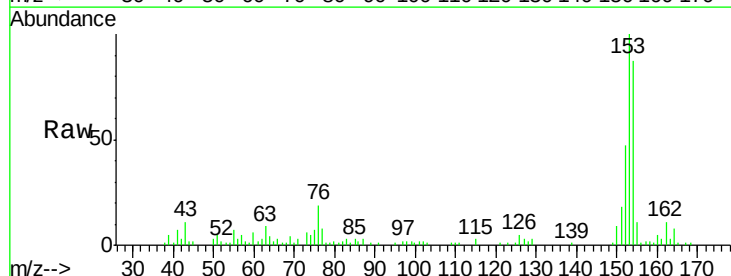


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

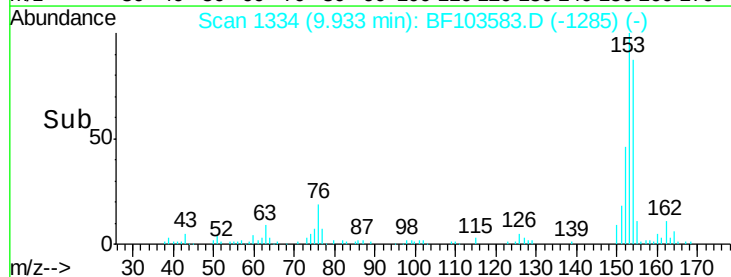
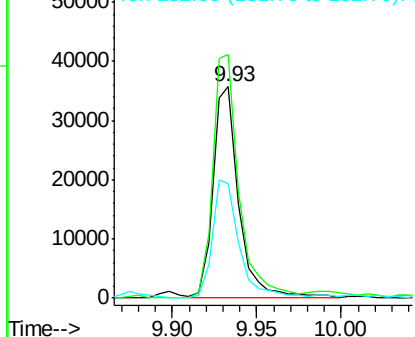


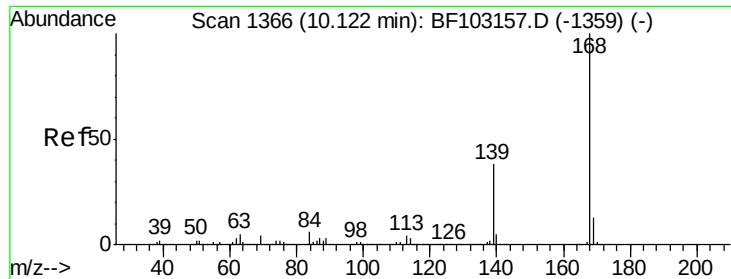
#51
Acenaphthene
Concen: 3.05 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF103583.D
Acq: 12 Mar 2018 15:47

Tgt Ion:154 Resp: 38555
Ion Ratio Lower Upper
154 100
153 115.2 91.2 136.8
152 54.3 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





#54

Dibenzofuran

Concen: 2.24 ng

RT: 10.11 min Scan# 1364

Delta R.T. -0.01 min

Lab File: BF103583.D

Acq: 12 Mar 2018 15:47

Instrument :

BNA_F

ClientSampleId :

AMENDED-COMPOSITE-1-3-201802

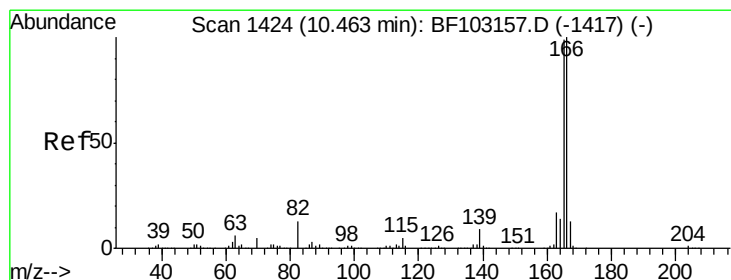
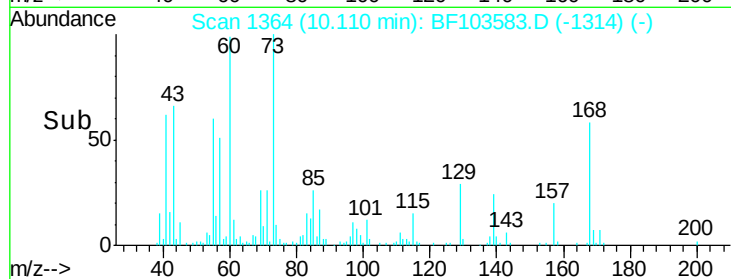
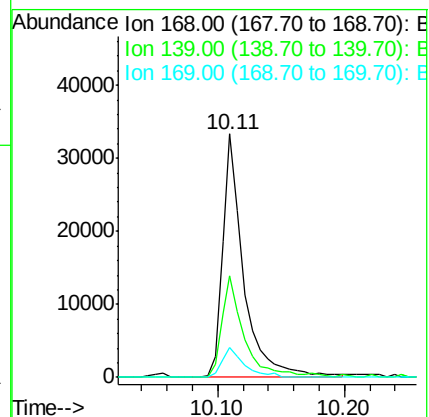
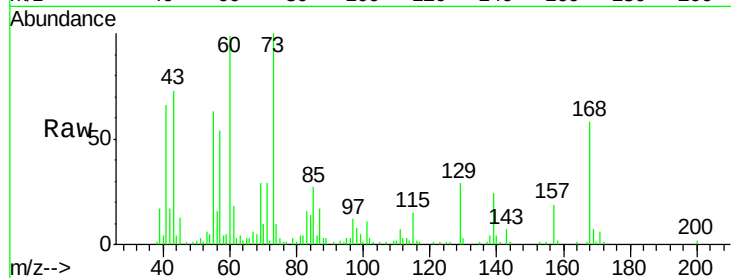
Tot Ion:168 Resp: 38866

Ion Ratio Lower Upper

168 100

139 41.5 30.1 45.1

169 12.3 10.9 16.3



#57

Fluorene

Concen: 2.12 ng

RT: 10.45 min Scan# 1422

Delta R.T. -0.01 min

Lab File: BF103583.D

Acq: 12 Mar 2018 15:47

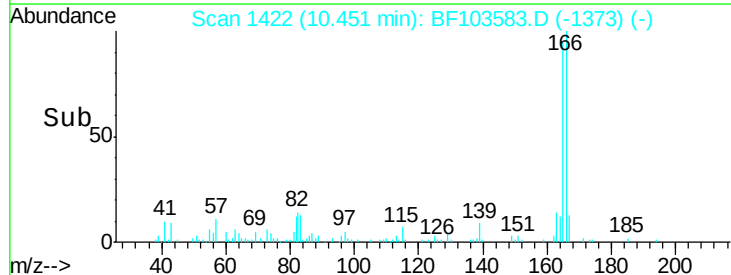
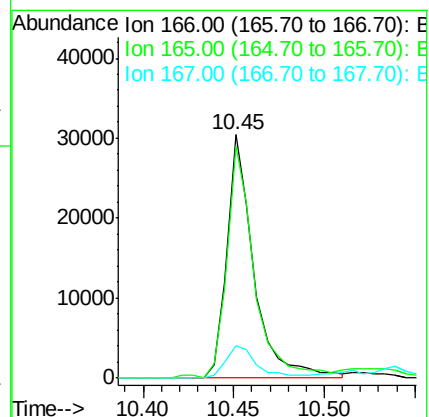
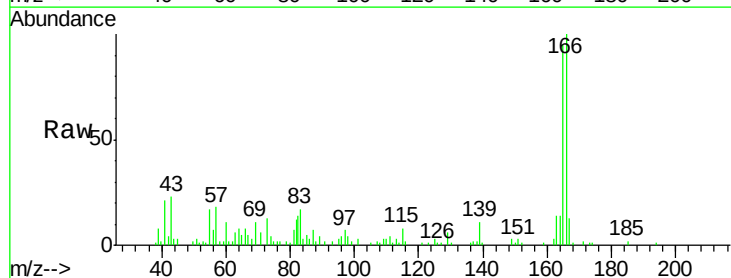
Tgt Ion:166 Resp: 31453

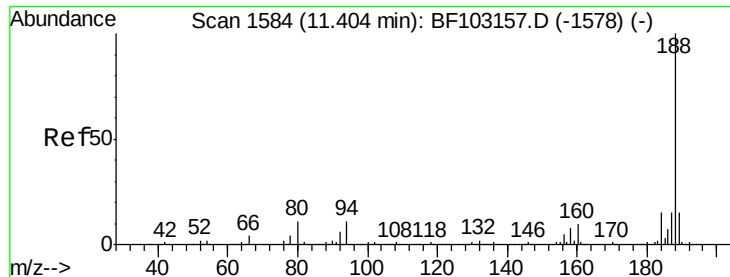
Ion Ratio Lower Upper

166 100

165 95.3 79.8 119.8

167 13.3 10.6 16.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF103583.D

Acq: 12 Mar 2018 15:47

Instrument :

BNA_F

ClientSampleId :

AMENDED-COMPOSITE-1-3-201802

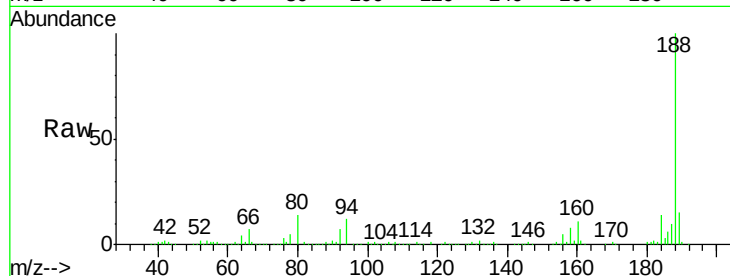
Tot Ion:188 Resp: 311520

Ion Ratio Lower Upper

188 100

94 12.4 8.5 12.7

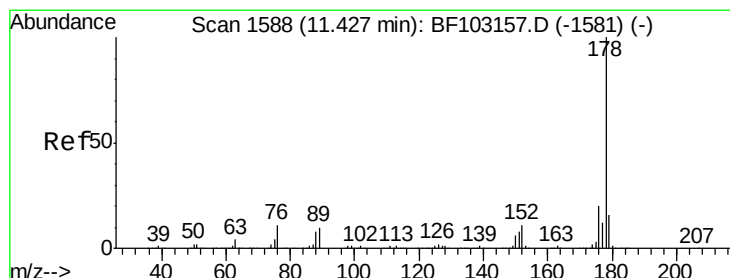
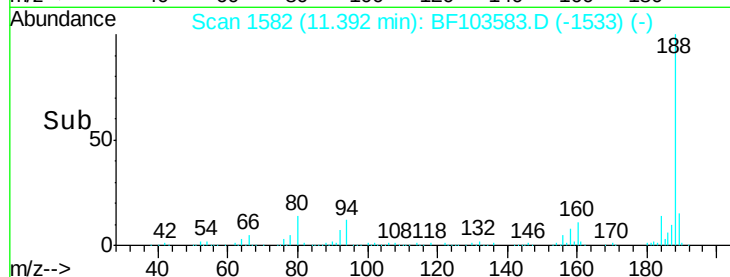
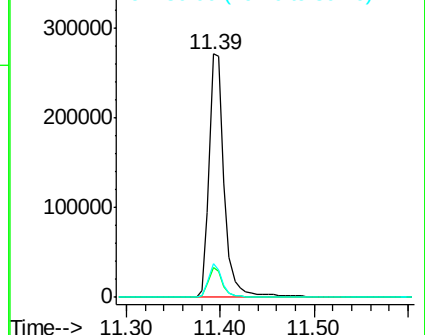
80 13.6 9.2 13.8



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



#70

Phenanthrene

Concen: 2.91 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF103583.D

Acq: 12 Mar 2018 15:47

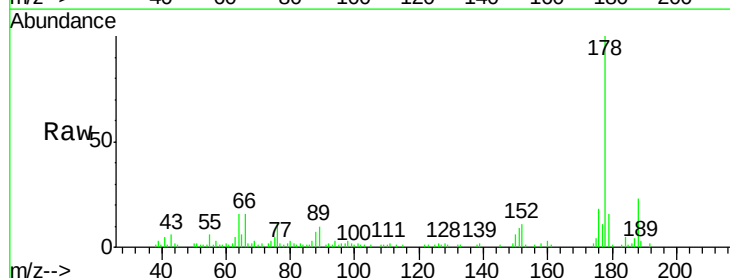
Tgt Ion:178 Resp: 49810

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

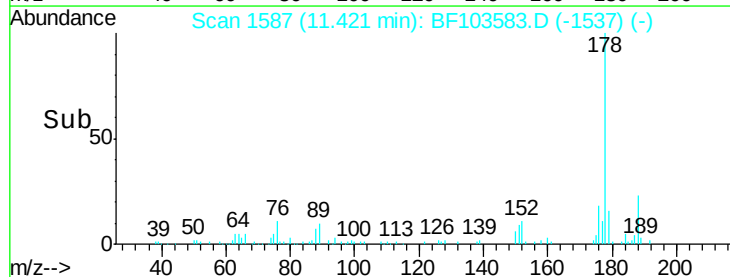
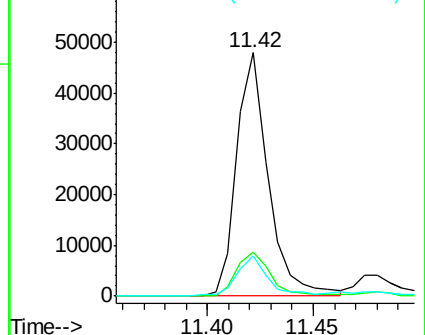
179 16.3 13.0 19.6

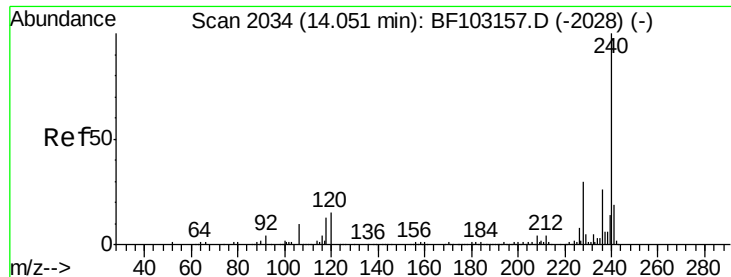


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF103583.D

Acq: 12 Mar 2018 15:47

Instrument :

BNA_F

ClientSampleId :

AMENDED-COMPOSITE-1-3-201802

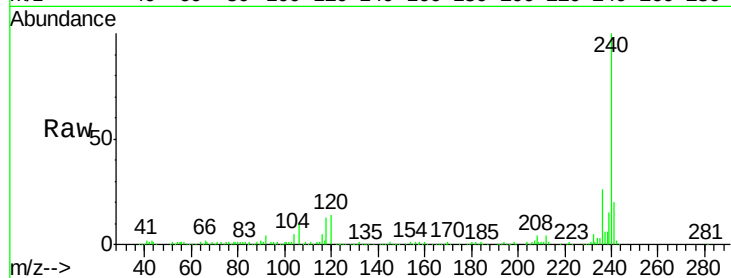
Tot Ion:240 Resp: 201276

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

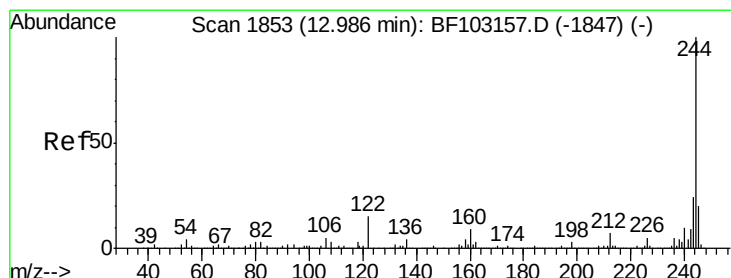
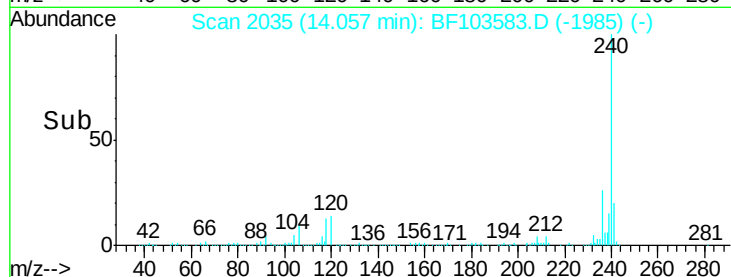
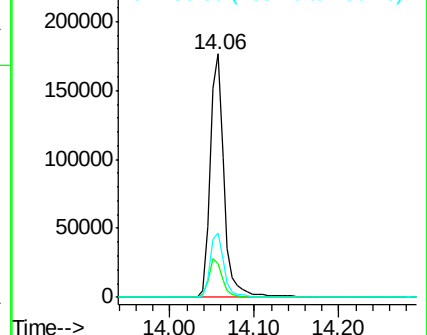
236 26.3 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 101.43 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103583.D

Acq: 12 Mar 2018 15:47

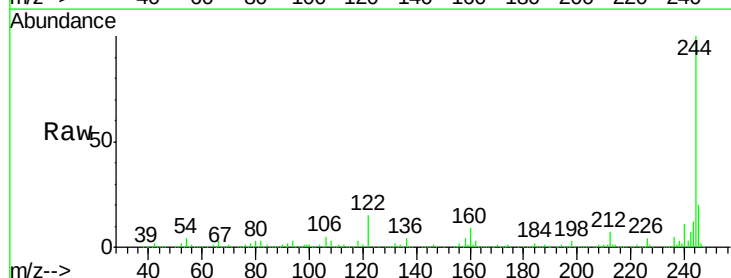
Tgt Ion:244 Resp: 849270

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

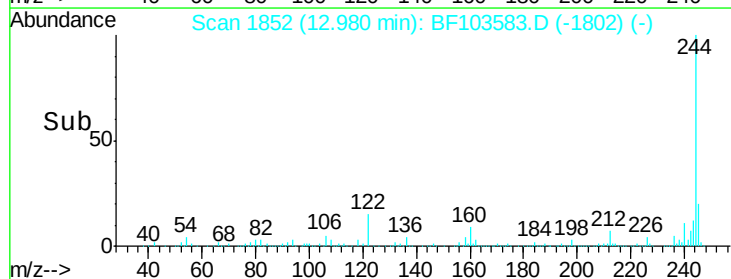
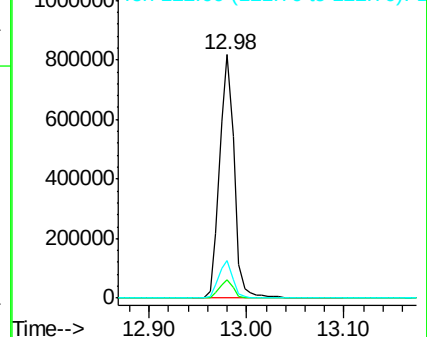
122 15.2 11.0 16.4

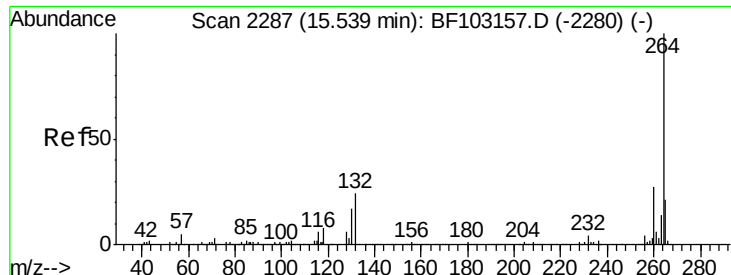


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

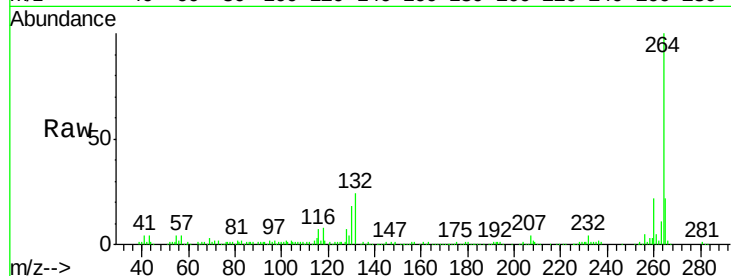




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF103583.D
Acq: 12 Mar 2018 15:47

Instrument :
BNA_F
ClientSampleId :
AMENDED-COMPOSITE-1-3-201802

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.0	19.2	28.8
265	21.9	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

