

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
 Data File : BF103586.D
 Acq On : 12 Mar 2018 17:15
 Operator : SJ/JU
 Sample : J1867-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 13 01:16:48 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	134896	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	550289	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	254599	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	453351	20.00	ng	0.00
75) Chrysene-d12	14.06	240	381950	20.00	ng	0.00
86) Perylene-d12	15.57	264	356737	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	532825	59.74	ng	0.00
7) Phenol-d6	6.51	99	428388	39.25	ng	0.00
23) Nitrobenzene-d5	7.43	82	936689	97.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	273897	127.10	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1303005	89.18	ng	0.00
78) Terphenyl-d14	12.99	244	1184367	74.54	ng	0.00

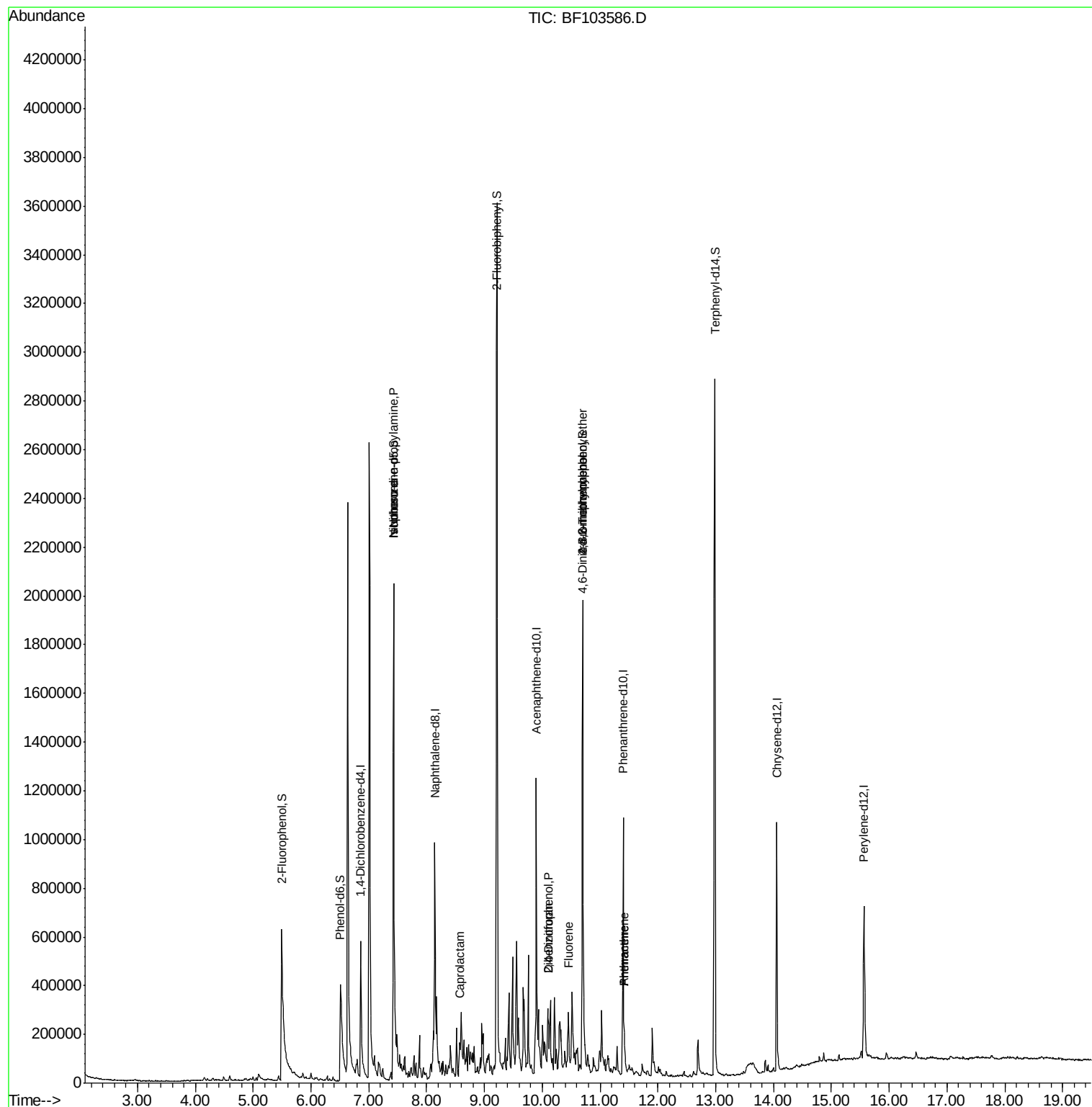
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	834	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.43	70	122754	18.072	ng	# 83
25) Isophorone	7.43	82	936588	49.351	ng	# 64
35) Caprolactam	8.57	113	26414	10.283	ng	# 82
53) 2,4-Dinitrophenol	10.11	184	107	9.682	ng	# 1
54) Dibenzofuran	10.11	168	49527	2.383	ng	# 92
57) Fluorene	10.45	166	66703	3.767	ng	99
64) 4,6-Dinitro-2-methylphenol	10.71	198	1091	5.300	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	18495	3.916	ng	# 1
70) Phenanthrene	11.42	178	54421	2.181	ng	99
71) Anthracene	11.42	178	54421	2.127	ng	98

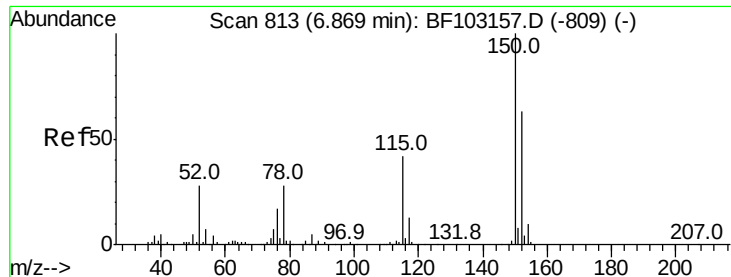
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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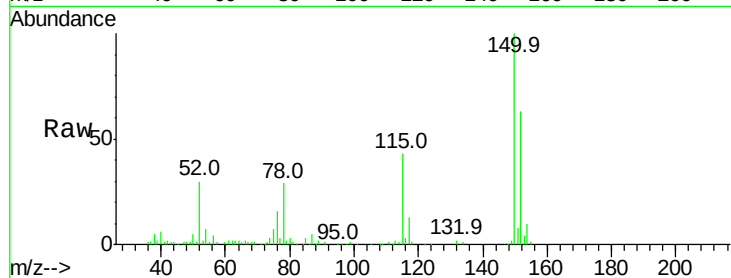


#1

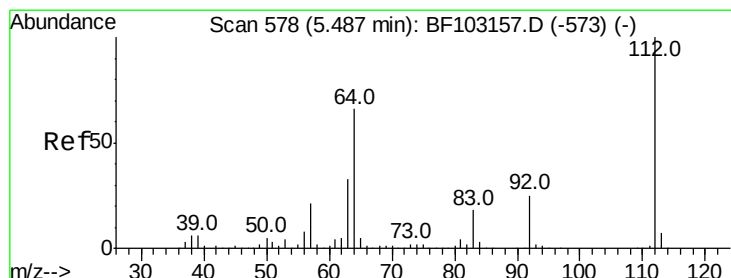
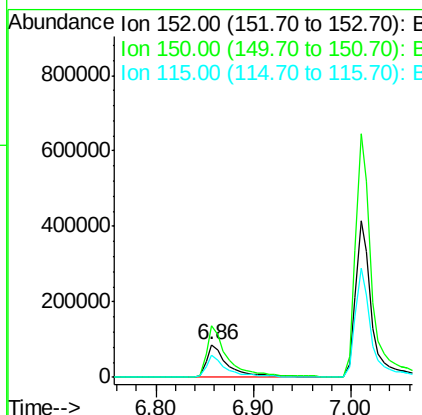
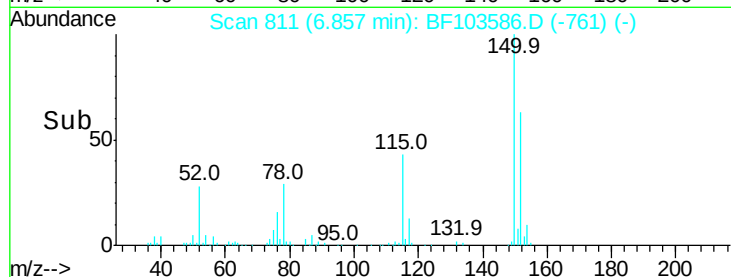
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103586.D
Acq: 12 Mar 2018 17:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 134896
Ion Ratio Lower Upper
152 100
150 159.8 124.6 186.8
115 68.6 50.1 75.1



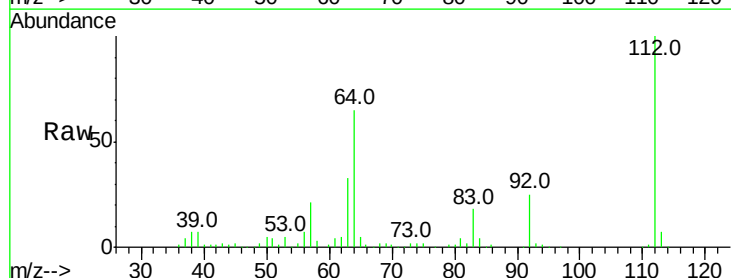
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



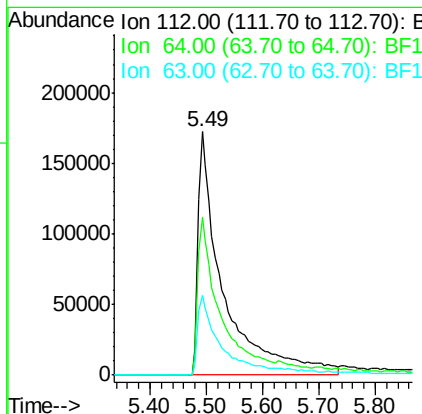
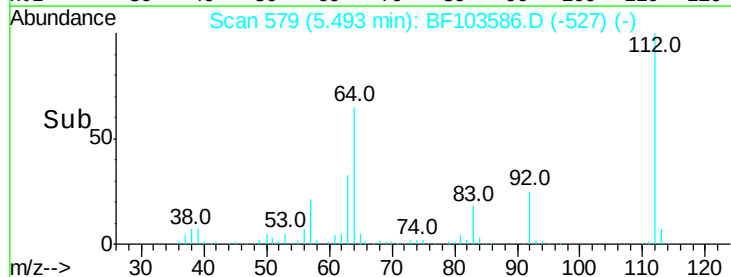
#5

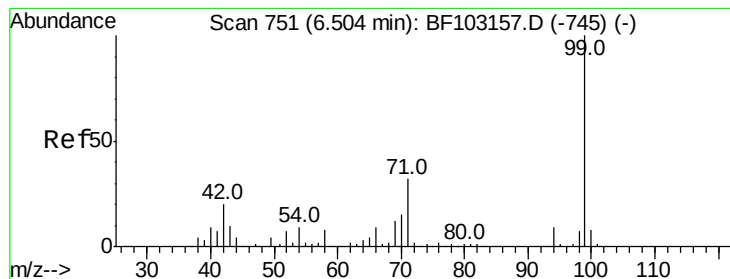
2-Fluorophenol
Concen: 59.739 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103586.D
Acq: 12 Mar 2018 17:15

Tgt Ion:112 Resp: 532825
Ion Ratio Lower Upper
112 100
64 65.1 47.9 71.9
63 32.6 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: 39.251 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103586.D

Acq: 12 Mar 2018 17:15

Instrument :

BNA_F

ClientSampleId :

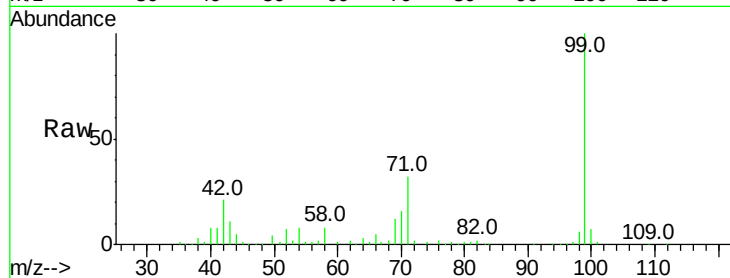
Tot Ion: 99 Resp: 428388

Ion Ratio Lower Upper

99 100

42 21.3 14.5 21.7

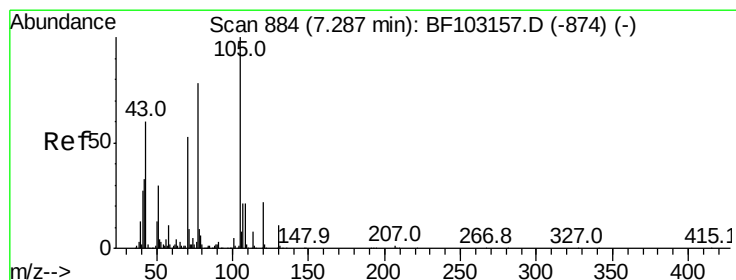
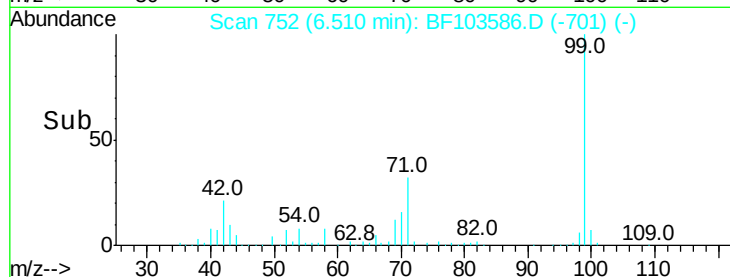
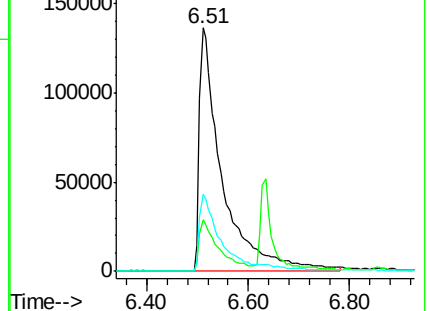
71 31.9 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 18.072 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.15 min

Lab File: BF103586.D

Acq: 12 Mar 2018 17:15

Tgt Ion: 70 Resp: 122754

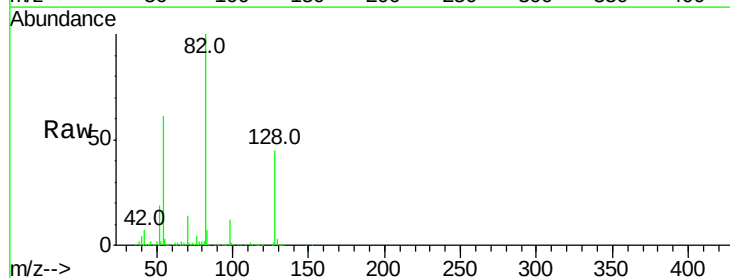
Ion Ratio Lower Upper

70 100

42 53.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

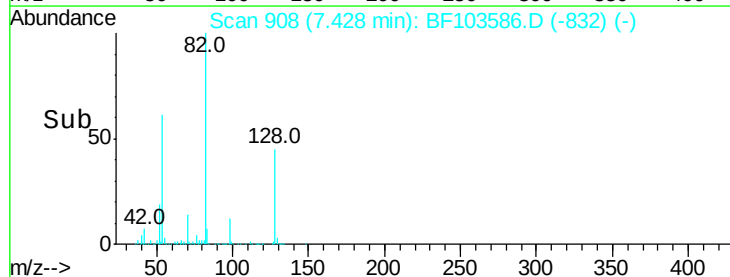
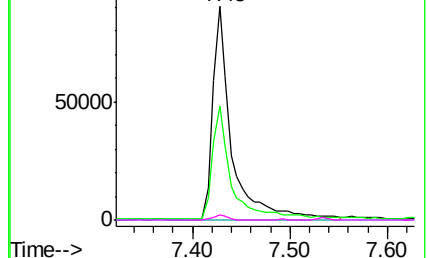


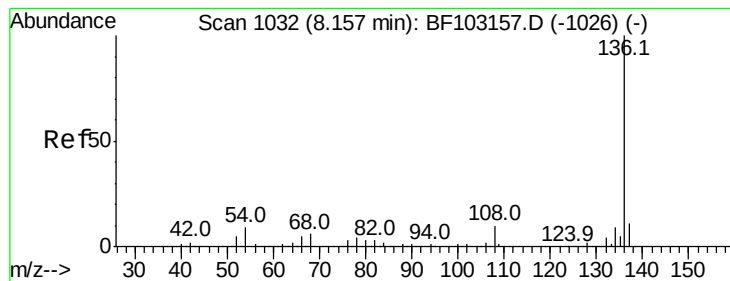
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF103586.D

Acq: 12 Mar 2018 17:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 550289

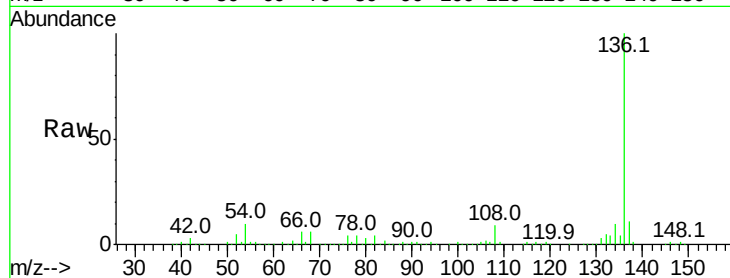
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 9.8 6.6 9.8

68 6.3 5.0 7.4

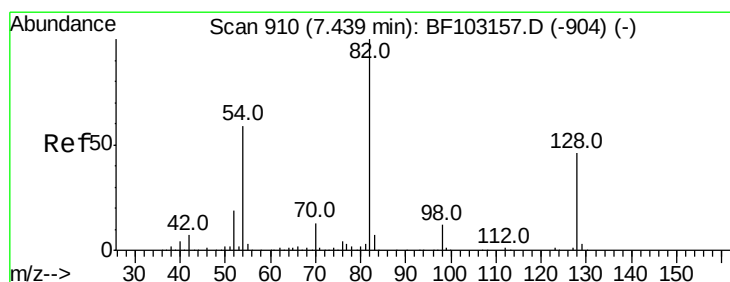
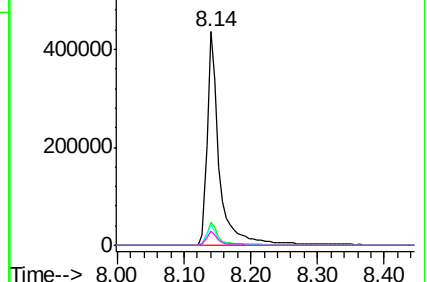
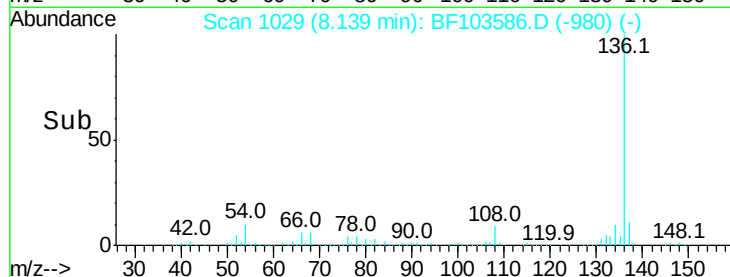


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.209 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF103586.D

Acq: 12 Mar 2018 17:15

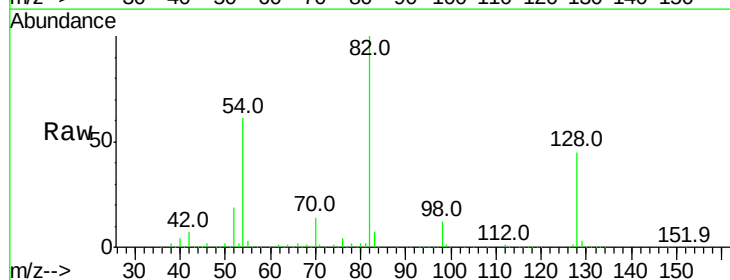
Tgt Ion: 82 Resp: 936689

Ion Ratio Lower Upper

82 100

128 45.0 36.1 54.1

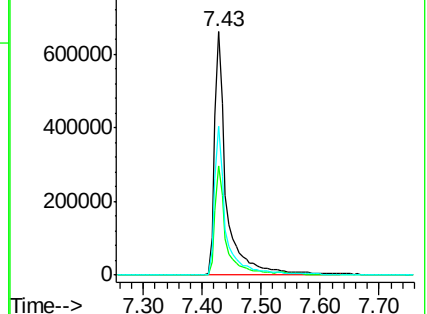
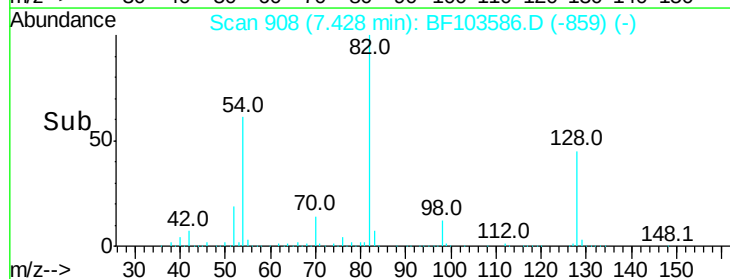
54 61.1 41.4 62.2

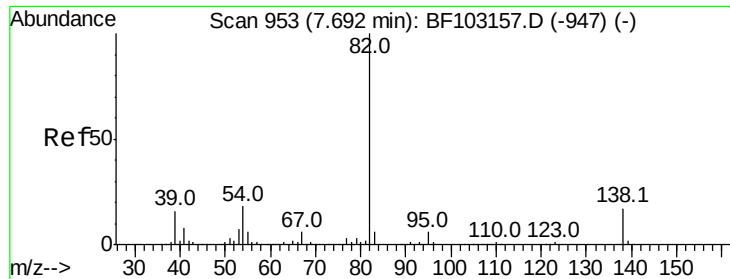


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 49.351 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF103586.D

Acq: 12 Mar 2018 17:15

Instrument :

BNA_F

ClientSampleId :

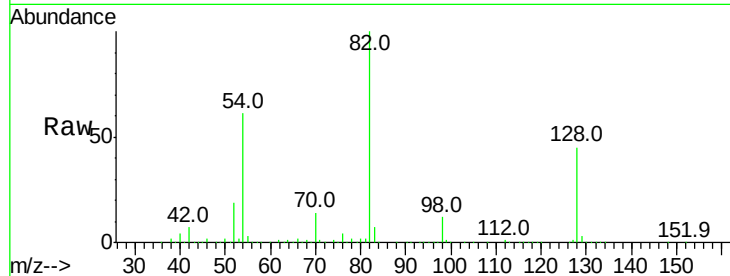
Tot Ion: 82 Resp: 936588

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

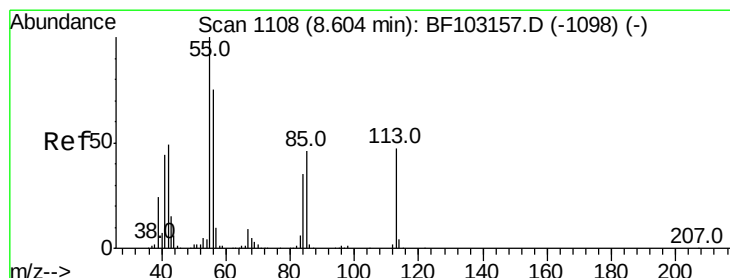
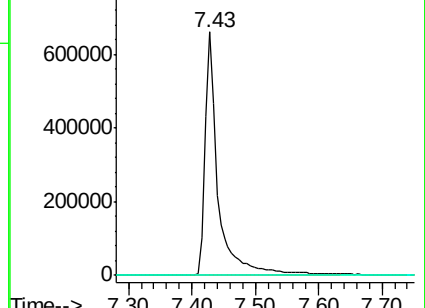
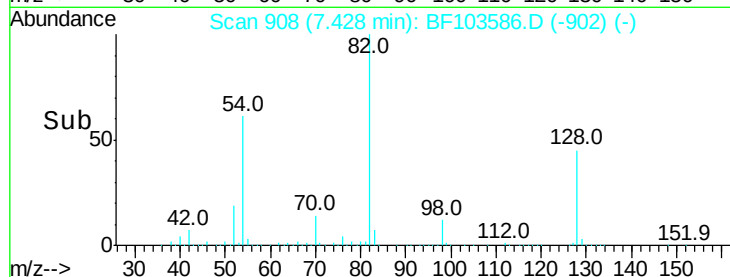
138 0.0 14.9 22.3#



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



#35

Caprolactam

Concen: 10.283 ng

RT: 8.57 min Scan# 1102

Delta R.T. -0.04 min

Lab File: BF103586.D

Acq: 12 Mar 2018 17:15

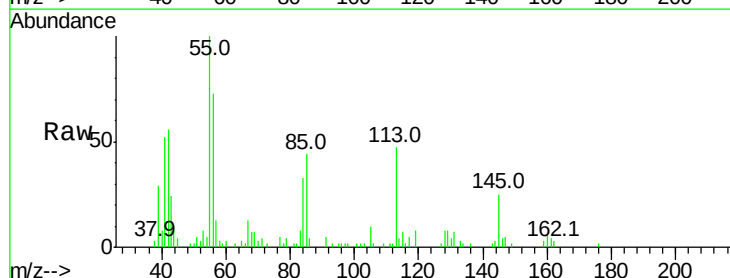
Tgt Ion: 113 Resp: 26414

Ion Ratio Lower Upper

113 100

55 211.6 163.3 203.3#

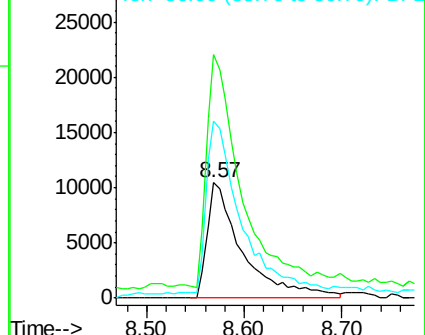
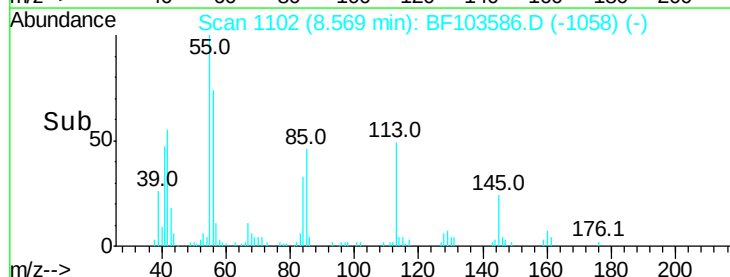
56 153.5 115.7 155.7

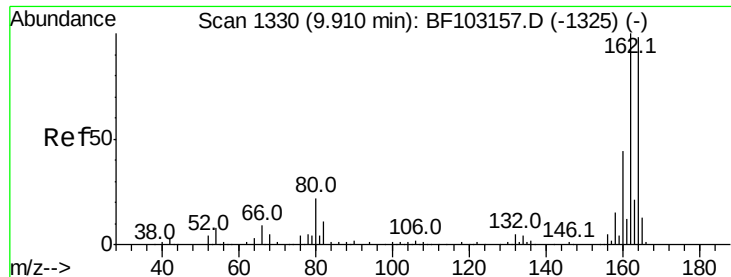


Abundance Ion 113.00 (112.70 to 113.70): BF1

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF103586.D

Acq: 12 Mar 2018 17:15

Instrument :

BNA_F

ClientSampleId :

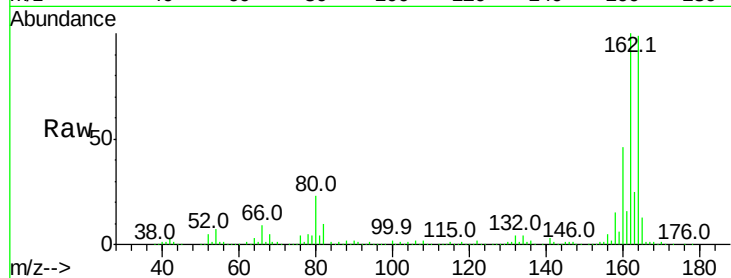
Tot Ion:164 Resp: 254599

Ion Ratio Lower Upper

164 100

162 100.7 86.1 129.1

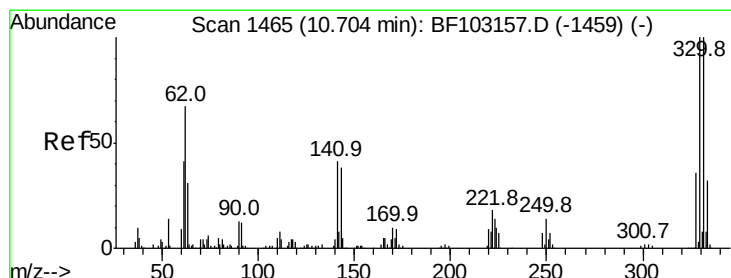
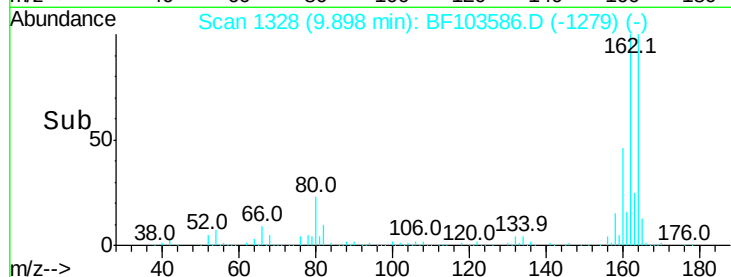
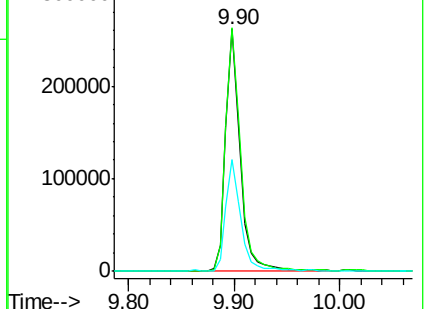
160 46.0 38.3 57.5



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: 127.096 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BF103586.D

Acq: 12 Mar 2018 17:15

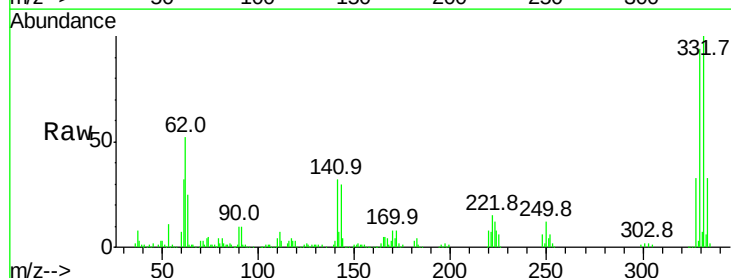
Tgt Ion:330 Resp: 273897

Ion Ratio Lower Upper

330 100

332 104.0 77.0 115.6

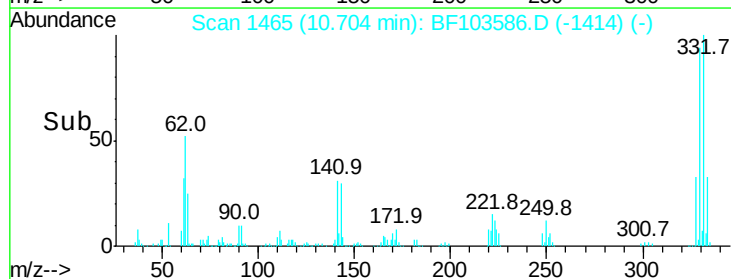
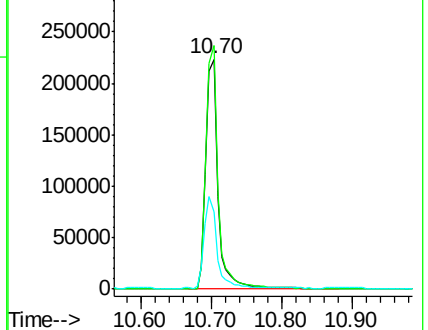
141 41.4 29.9 44.9

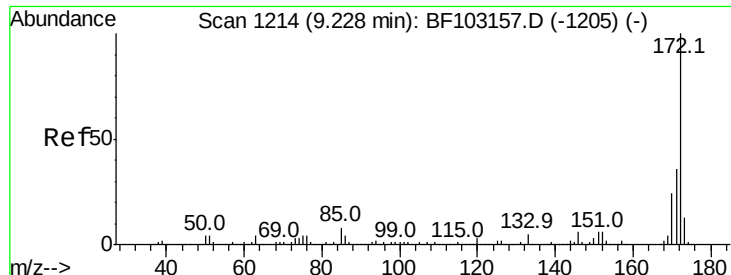


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



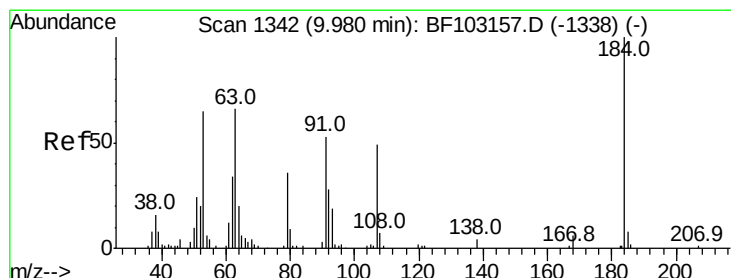
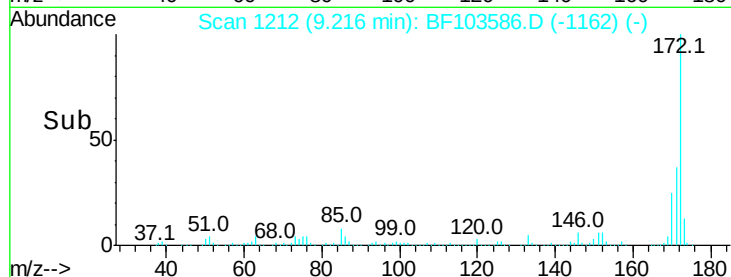
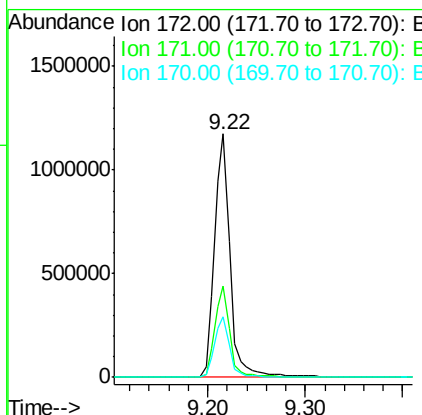
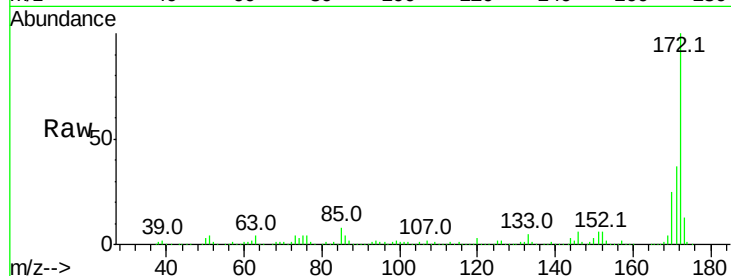


#44
 2-Fluorobiphenyl
 Concen: 89.181 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF103586.D
 Acq: 12 Mar 2018 17:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1303005

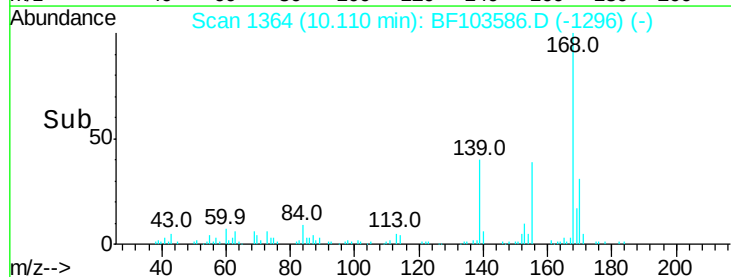
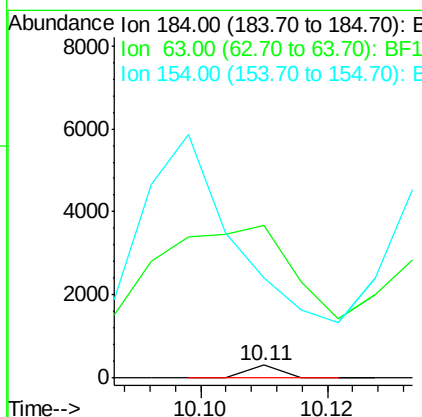
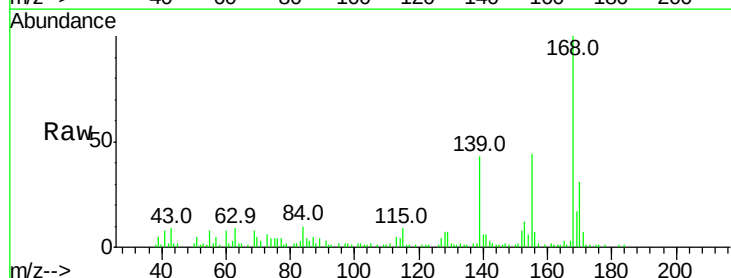
Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.7	44.5
170	24.7	19.6	29.4

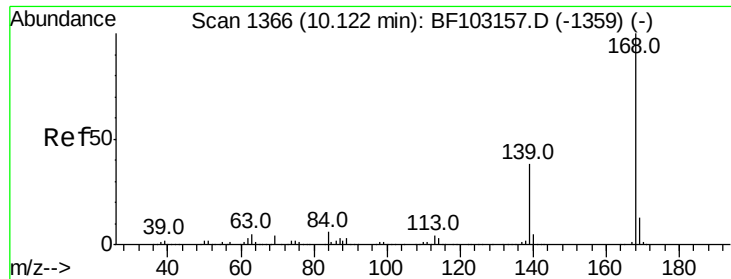


#53
 2,4-Dinitrophenol
 Concen: 9.682 ng
 RT: 10.11 min Scan# 1364
 Delta R.T. 0.10 min
 Lab File: BF103586.D
 Acq: 12 Mar 2018 17:15

Tgt Ion:184 Resp: 107

Ion	Ratio	Lower	Upper
184	100		
63	1218.2	54.2	81.2#
154	795.0	184.0	276.0#

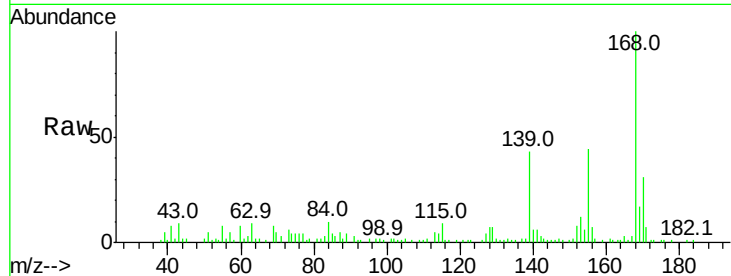




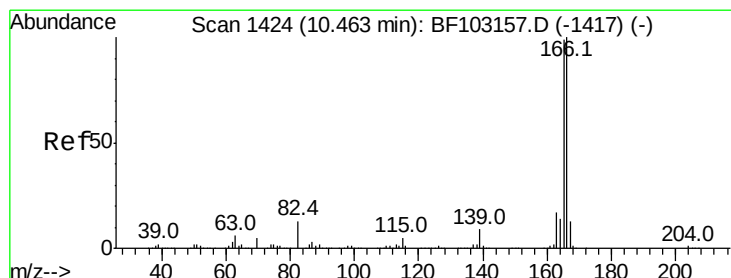
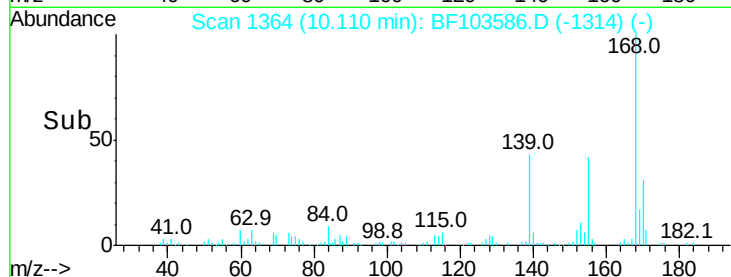
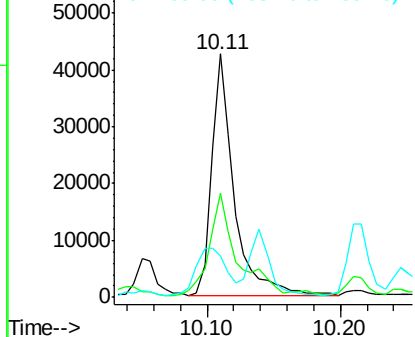
#54
Dibenzenofuran
Concen: 2.383 ng
RT: 10.11 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BF103586.D
Acq: 12 Mar 2018 17:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 49527
Ion Ratio Lower Upper
168 100
139 42.5 30.1 45.1
169 16.8 10.9 16.3#

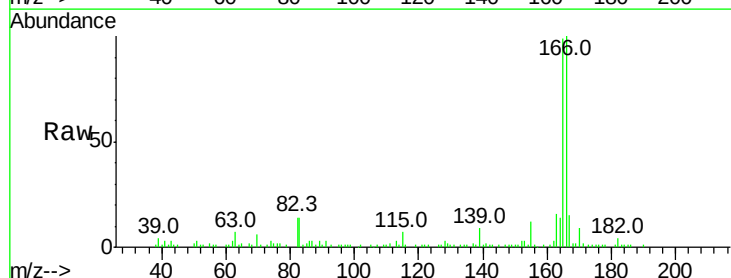


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

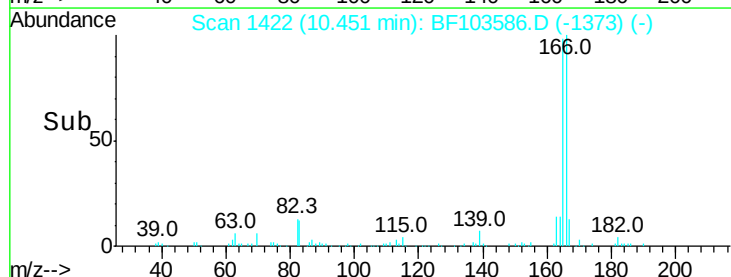
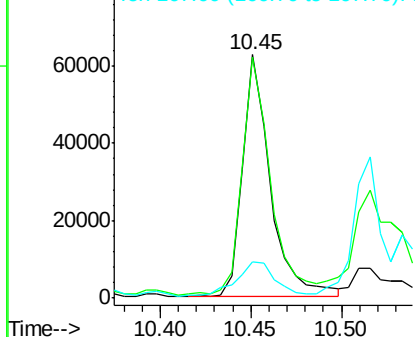


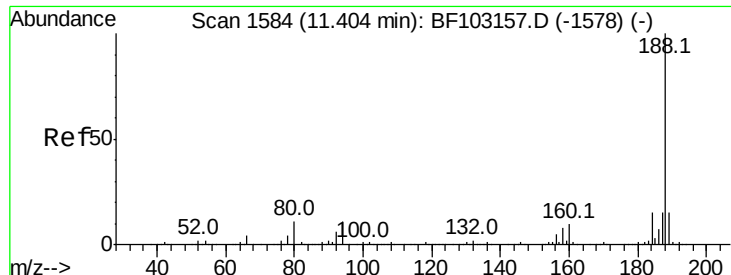
#57
Fluorene
Concen: 3.767 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF103586.D
Acq: 12 Mar 2018 17:15

Tgt Ion:166 Resp: 66703
Ion Ratio Lower Upper
166 100
165 98.8 79.8 119.8
167 14.7 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: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF103586.D

Acq: 12 Mar 2018 17:15

Instrument :

BNA_F

ClientSampleId :

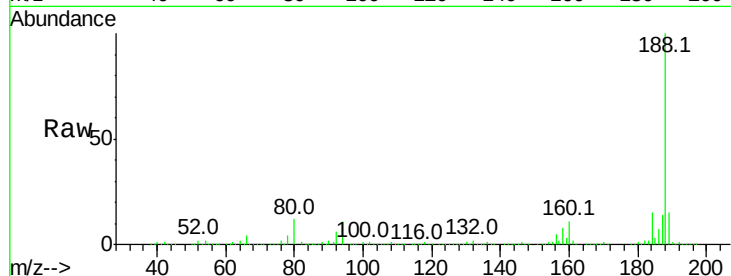
Tot Ion:188 Resp: 453351

Ion Ratio Lower Upper

188 100

94 11.1 8.5 12.7

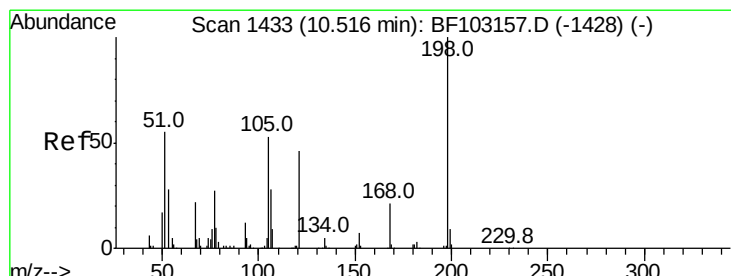
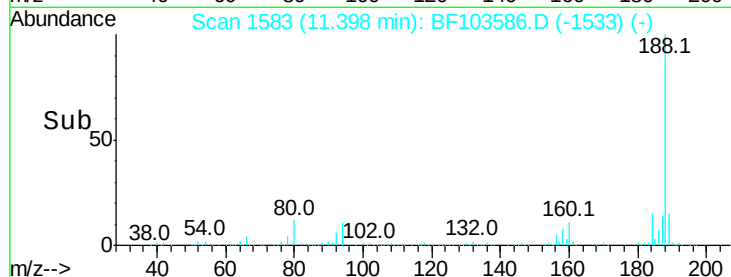
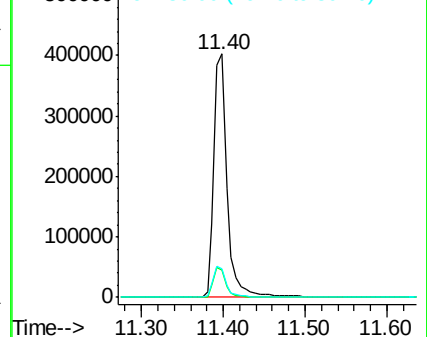
80 11.8 9.2 13.8



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: 5.300 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.18 min

Lab File: BF103586.D

Acq: 12 Mar 2018 17:15

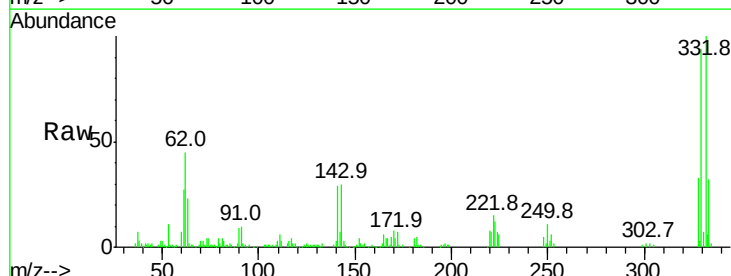
Tgt Ion:198 Resp: 1091

Ion Ratio Lower Upper

198 100

51 174.8 37.7 77.7#

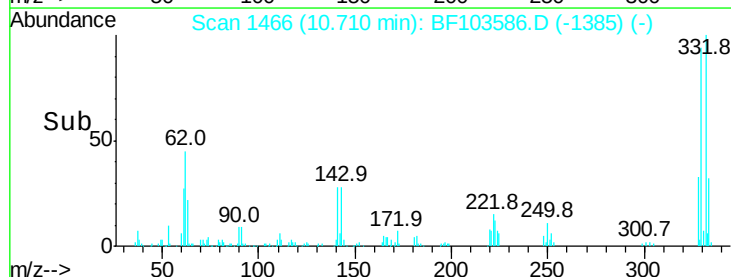
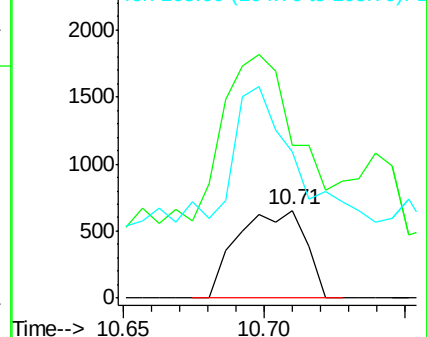
105 166.8 36.3 76.3#

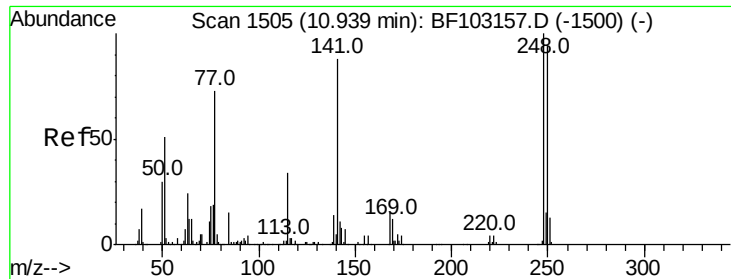


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

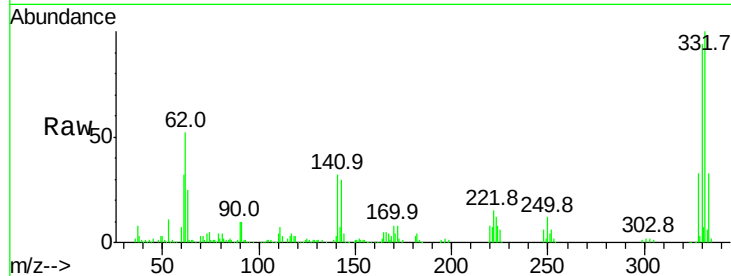




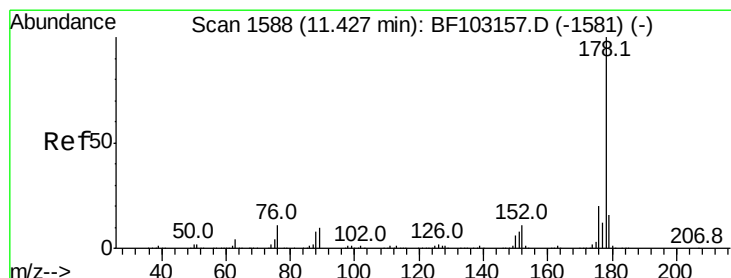
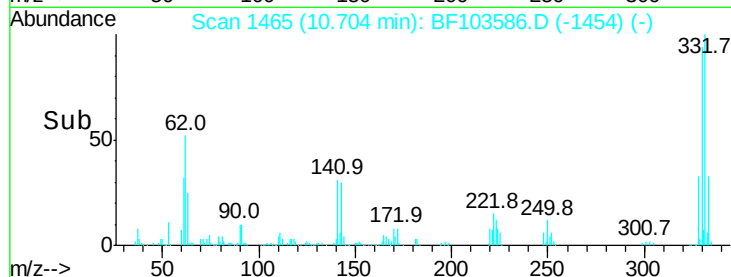
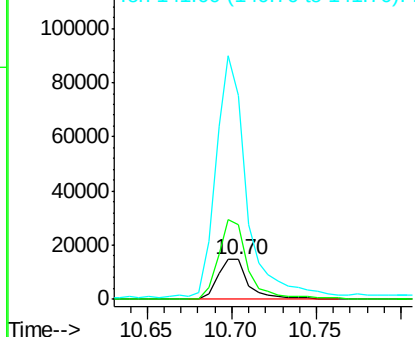
#66
 4-Bromophenyl-phenylether
 Concen: 3.916 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.24 min
 Lab File: BF103586.D
 Acq: 12 Mar 2018 17:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 18495
 Ion Ratio Lower Upper
 248 100
 250 186.2 76.9 115.3#
 141 511.0 74.4 111.6#

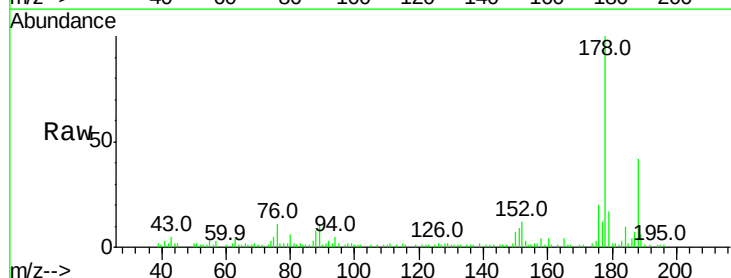


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

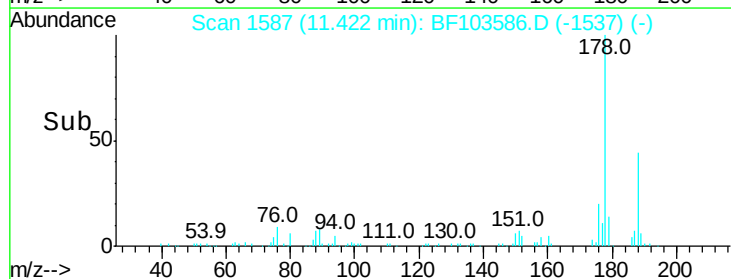
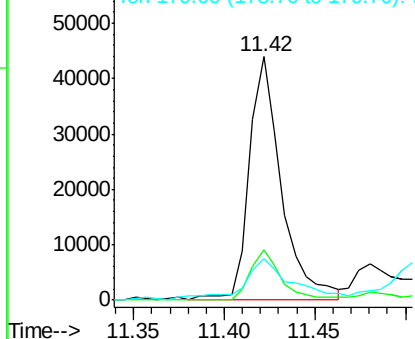


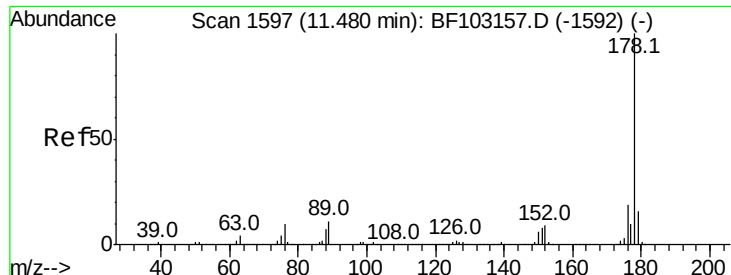
#70
 Phenanthrene
 Concen: 2.181 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF103586.D
 Acq: 12 Mar 2018 17:15

Tgt Ion:178 Resp: 54421
 Ion Ratio Lower Upper
 178 100
 176 20.4 15.8 23.8
 179 16.8 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: 2.127 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.06 min

Lab File: BF103586.D

Acq: 12 Mar 2018 17:15

Instrument :

BNA_F

ClientSampled :

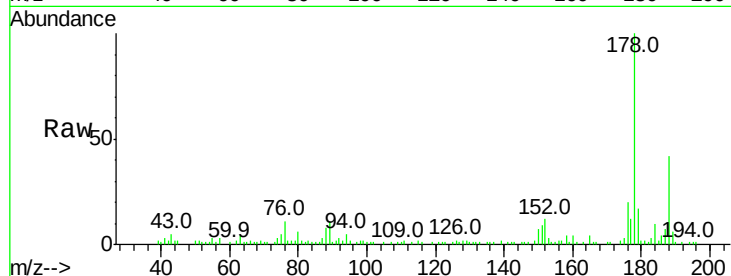
Tot Ion:178 Resp: 54421

Ion Ratio Lower Upper

178 100

176 20.4 15.4 23.2

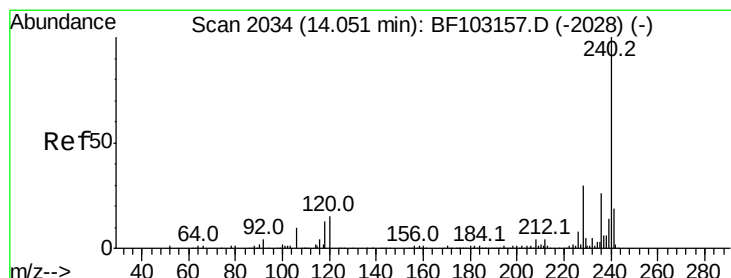
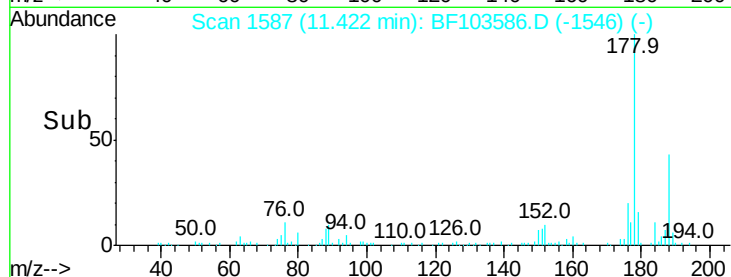
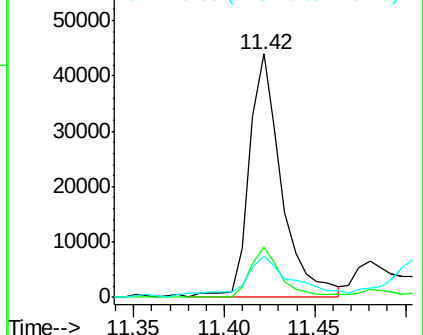
179 16.8 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF103586.D

Acq: 12 Mar 2018 17:15

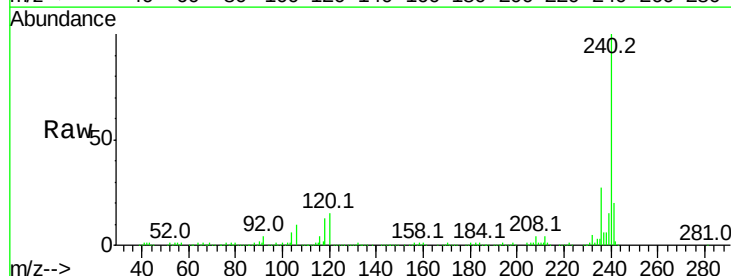
Tgt Ion:240 Resp: 381950

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

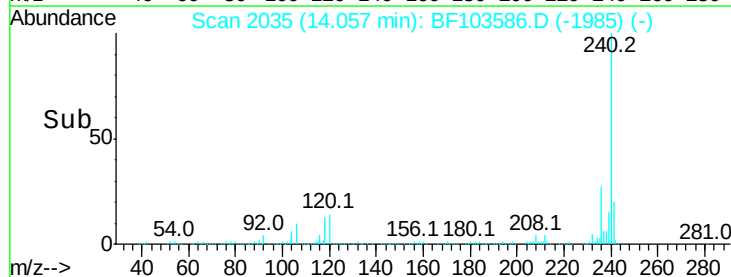
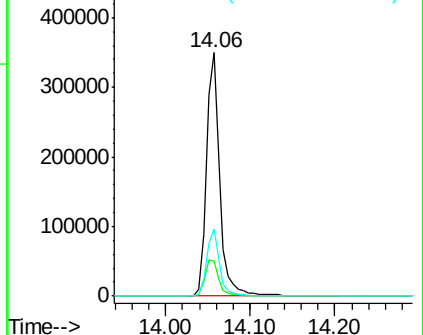
236 27.3 20.7 31.1

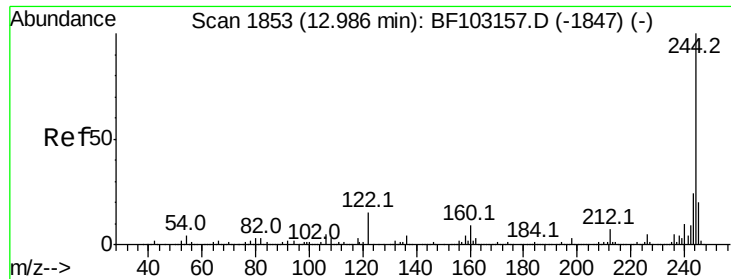


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 74.540 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF103586.D

Acq: 12 Mar 2018 17:15

Instrument :

BNA_F

ClientSampled :

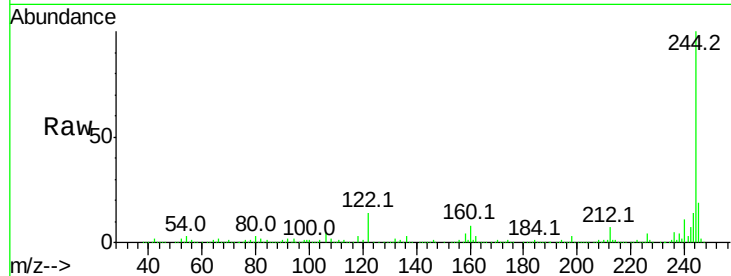
Tot Ion:244 Resp: 1184367

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

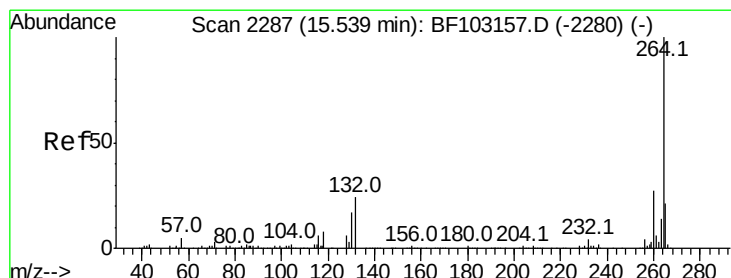
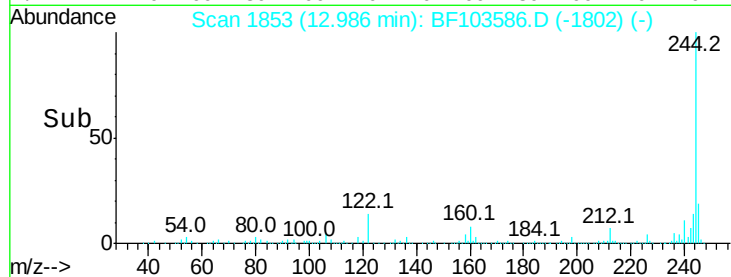
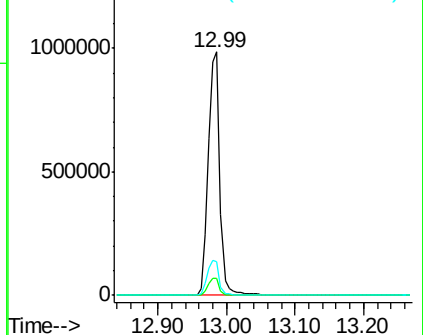
122 13.6 11.0 16.4



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: 15.57 min Scan# 2292

Delta R.T. 0.00 min

Lab File: BF103586.D

Acq: 12 Mar 2018 17:15

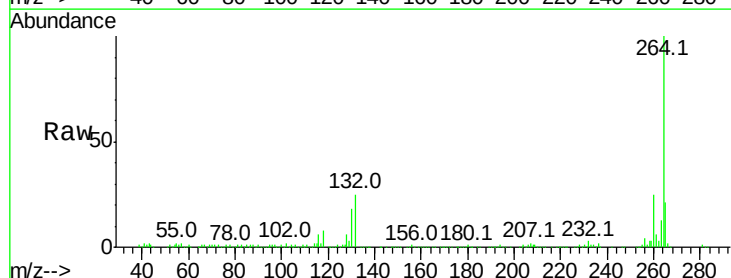
Tgt Ion:264 Resp: 356737

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

265 21.5 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

