

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
 Data File : BF099108.D
 Acq On : 5 Oct 2017 17:30
 Operator : SJ/JU
 Sample : I5526-02DL 100X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 05 18:27:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

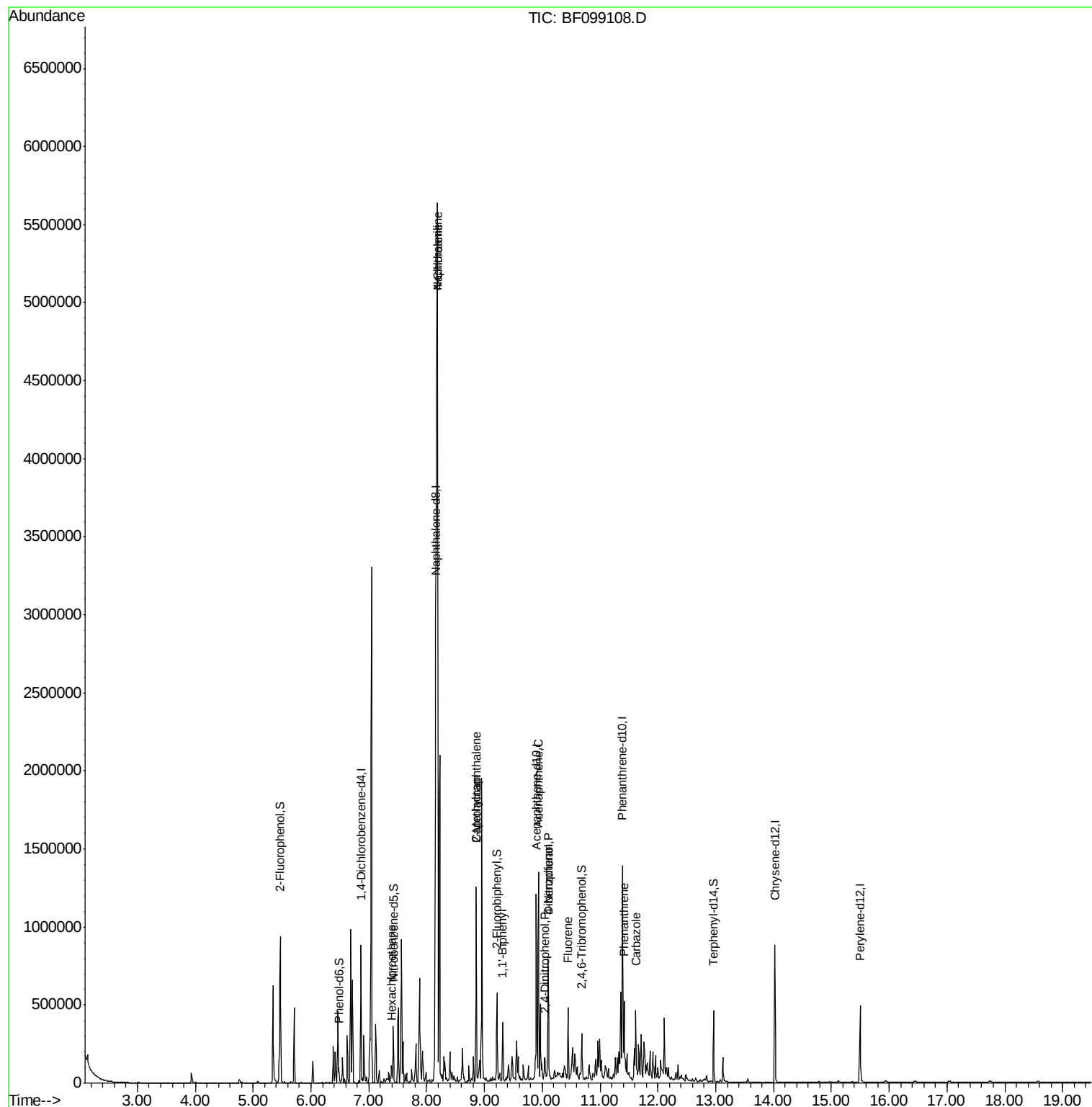
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	127207	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	469866	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	242953	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	422602	20.00	ng	0.00
75) Chrysene-d12	14.03	240	300994	20.00	ng	0.00
86) Perylene-d12	15.50	264	214947	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	38463	4.81	ng	0.00
7) Phenol-d6	6.48	99	30049	3.05	ng	-0.02
23) Nitrobenzene-d5	7.42	82	71392	9.74	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	21497	10.81	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	152208	10.46	ng	-0.01
78) Terphenyl-d14	12.96	244	124566	9.41	ng	-0.01
Target Compounds						
18) Hexachloroethane	7.39	117	8590	2.478	ng	Qvalue # 1
31) Naphthalene	8.19	128	5982640	271.102	ng	98
33) 4-Chloroaniline	8.19	127	847205	91.932	ng	# 37
35) Caprolactam	8.86	113	6671	3.209	ng	# 1
37) 2-Methylnaphthalene	8.86	142	304834	21.249	ng	99
45) 1,1'-Biphenyl	9.32	154	113843	5.452	ng	97
51) Acenaphthene	9.93	154	256184	16.851	ng	99
53) 2,4-Dinitrophenol	10.05	184	163	5.901	ng	# 1
54) Dibenzofuran	10.10	168	260029	12.846	ng	99
55) 4-Nitrophenol	10.10	139	98161	24.940	ng	# 10
57) Fluorene	10.45	166	109408	6.725	ng	98
70) Phenanthrene	11.41	178	127979	5.658	ng	98
72) Carbazole	11.62	167	106702	4.708	ng	99

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
Data File : BF099108.D
Acq On : 5 Oct 2017 17:30
Operator : SJ/JU
Sample : I5526-02DL 100X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 05 18:27:09 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 05 17:20:48 2017
Response via : Initial Calibration

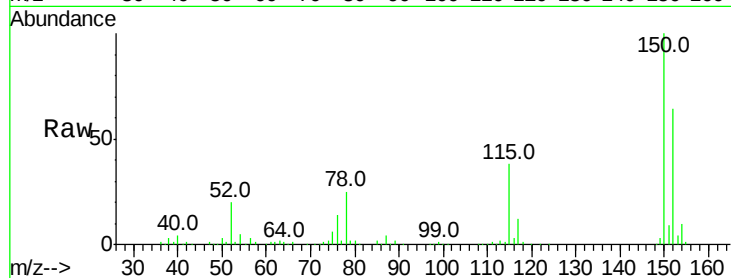




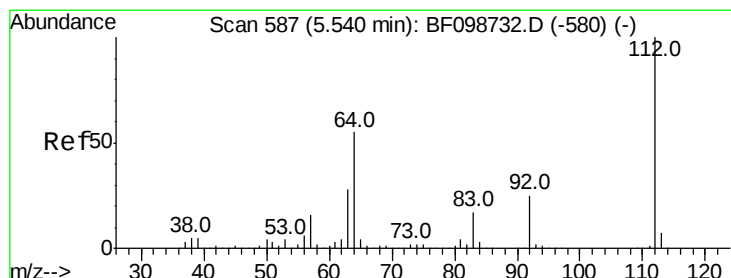
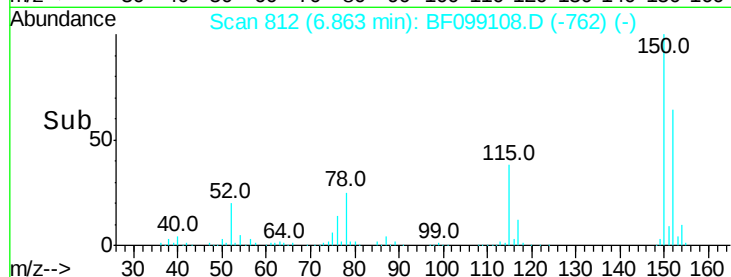
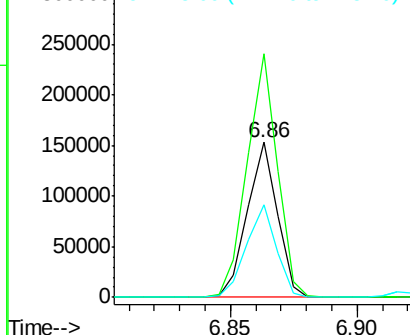
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF099108.D
 Acq: 5 Oct 2017 17:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 127207
 Ion Ratio Lower Upper
 152 100
 150 157.3 124.6 186.8
 115 60.0 50.1 75.1

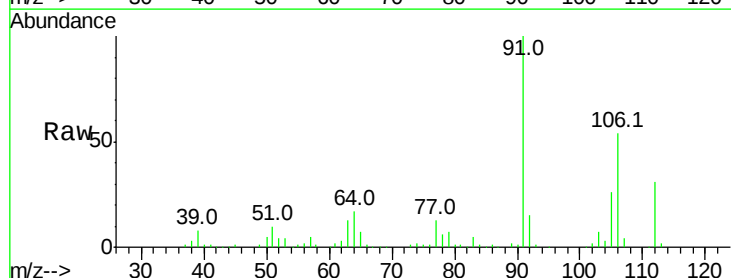


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

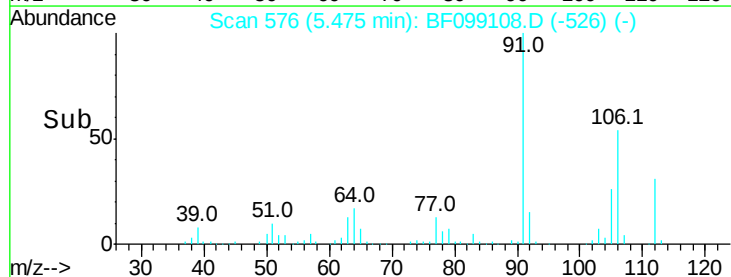
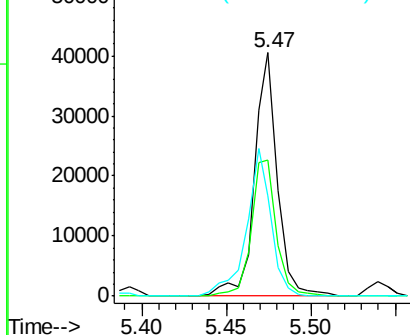


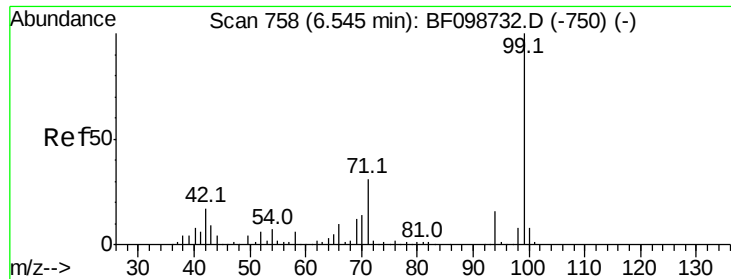
#5
 2-Fluorophenol
 Concen: 4.813 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: BF099108.D
 Acq: 5 Oct 2017 17:30

Tgt Ion:112 Resp: 38463
 Ion Ratio Lower Upper
 112 100
 64 55.8 47.9 71.9
 63 41.4 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 3.048 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.02 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

Instrument :

BNA_F

ClientSampleId :

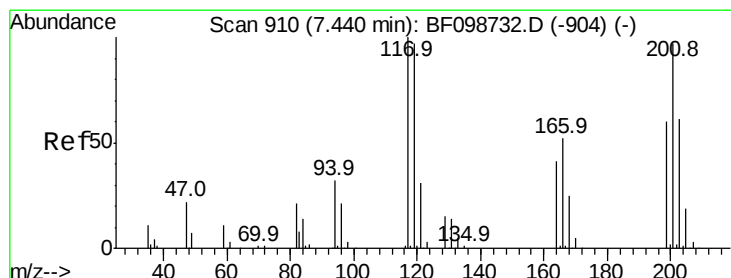
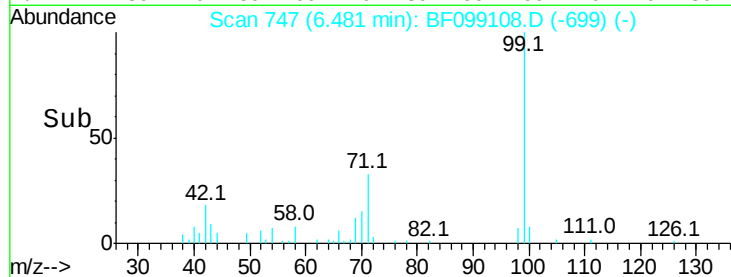
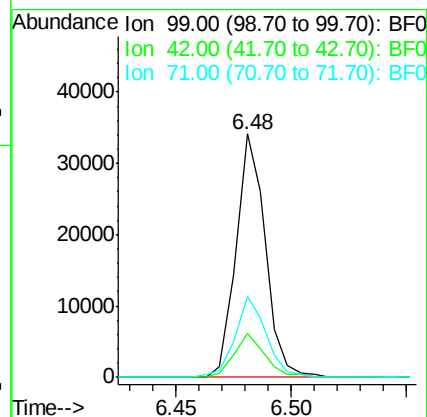
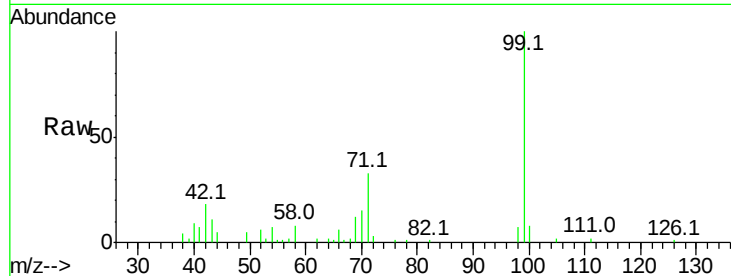
Tot Ion: 99 Resp: 30049

Ion Ratio Lower Upper

99 100

42 17.9 14.5 21.7

71 33.3 25.4 38.0



#18

Hexachloroethane

Concen: 2.478 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.01 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

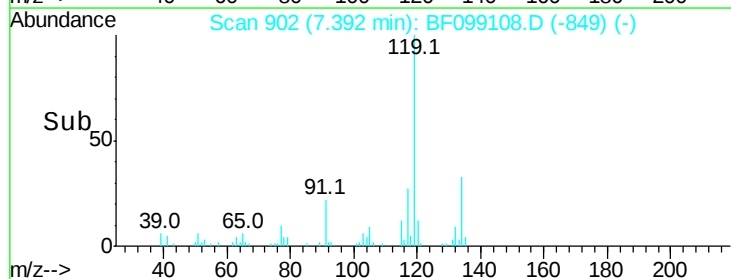
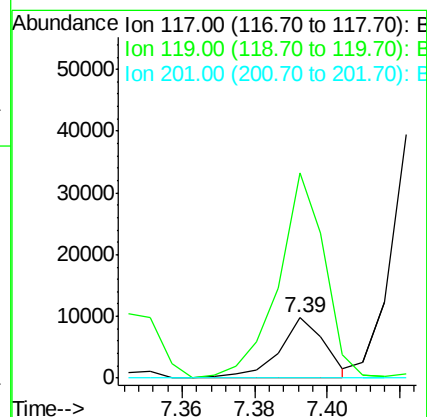
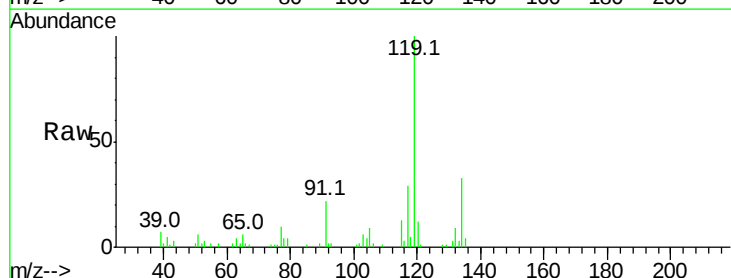
Tgt Ion: 117 Resp: 8590

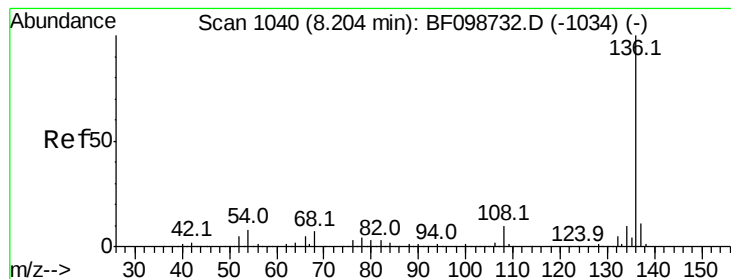
Ion Ratio Lower Upper

117 100

119 342.1 75.8 113.8#

201 0.0 75.7 113.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 469866

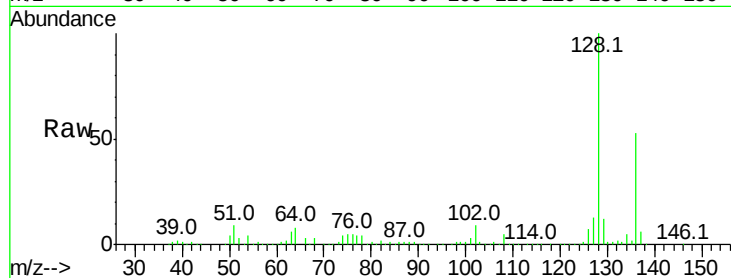
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.3 6.6 9.8

68 6.2 5.0 7.4

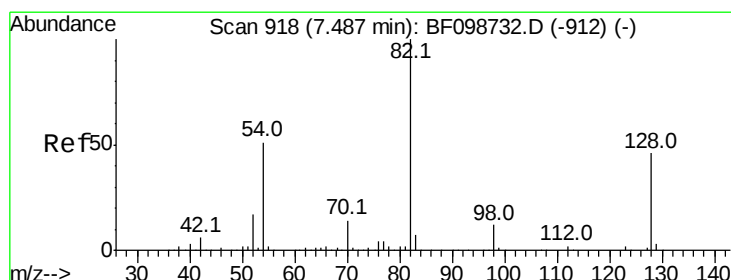
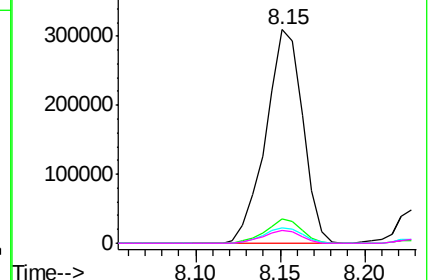
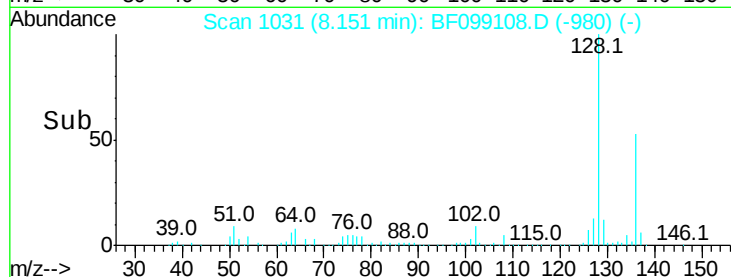


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 9.744 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

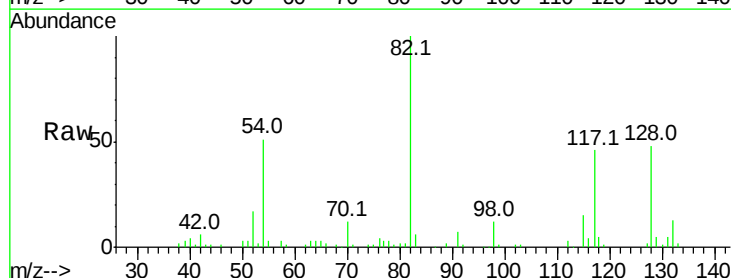
Tgt Ion: 82 Resp: 71392

Ion Ratio Lower Upper

82 100

128 47.6 36.1 54.1

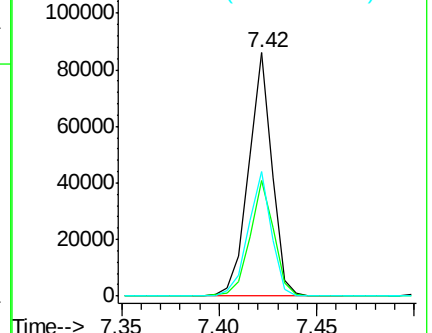
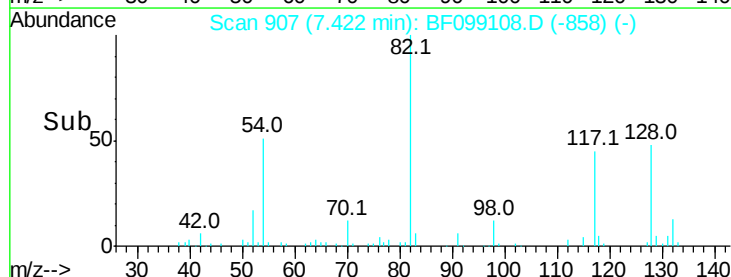
54 51.2 41.4 62.2

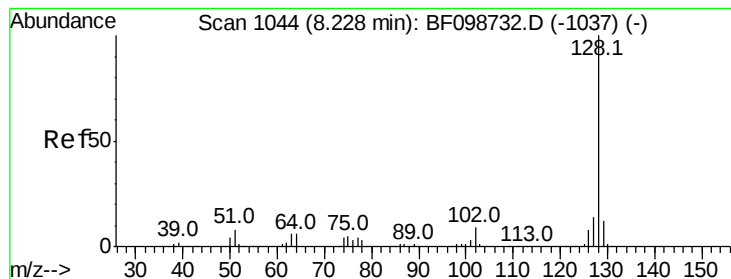


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 271.102 ng

RT: 8.19 min Scan# 1038

Delta R.T. 0.02 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

Instrument :

BNA_F

ClientSampleId :

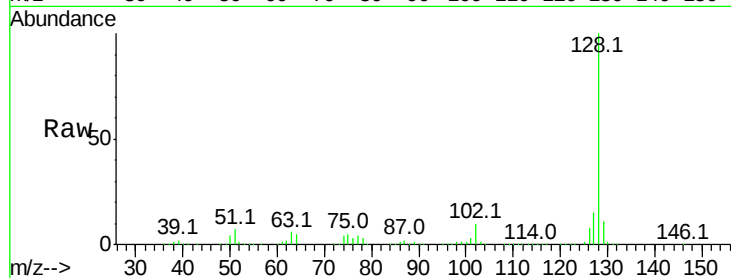
Tot Ion:128 Resp: 5982640

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

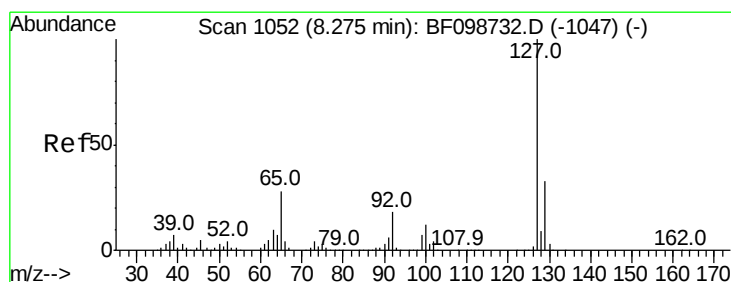
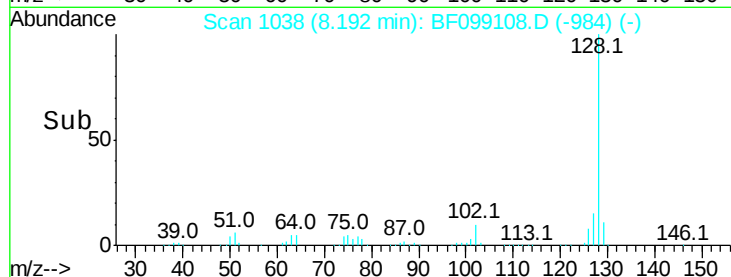
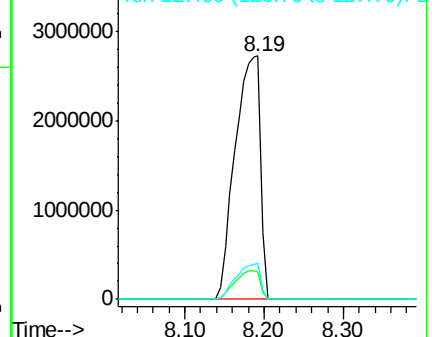
127 14.7 10.9 16.3



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



#33

4-Chloroaniline

Concen: 91.932 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.03 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

Tgt Ion:127 Resp: 847205

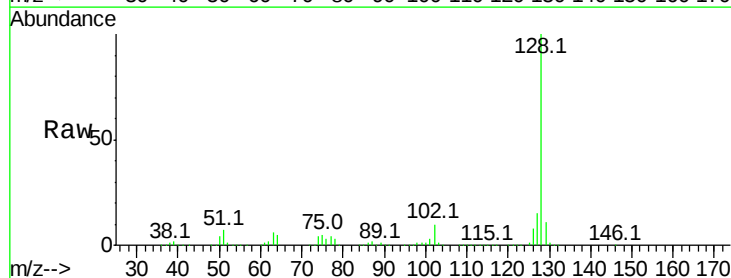
Ion Ratio Lower Upper

127 100

129 77.9 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

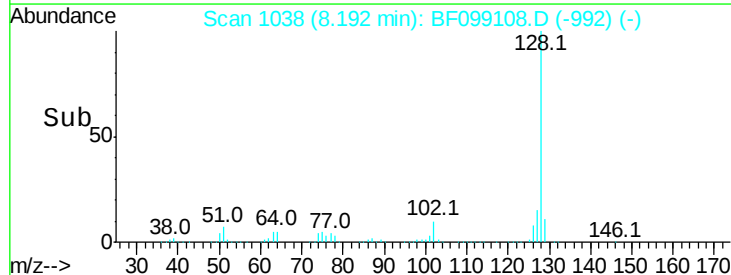
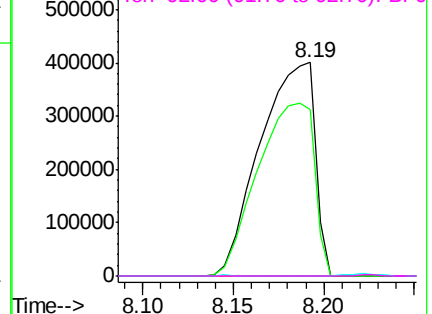


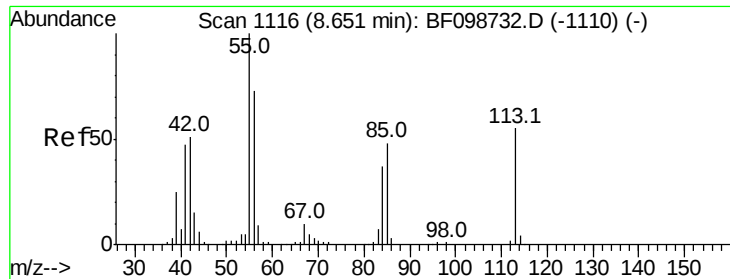
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#35

Caprolactam

Concen: 3.209 ng

RT: 8.86 min Scan# 1151

Delta R.T. 0.25 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

Instrument :

BNA_F

ClientSampleId :

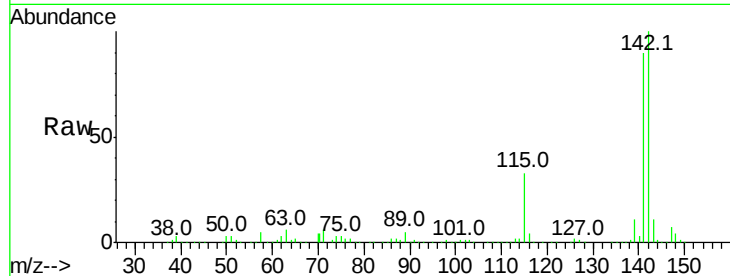
Tot Ion:113 Resp: 6671

Ion Ratio Lower Upper

113 100

55 15.6 163.3 203.3#

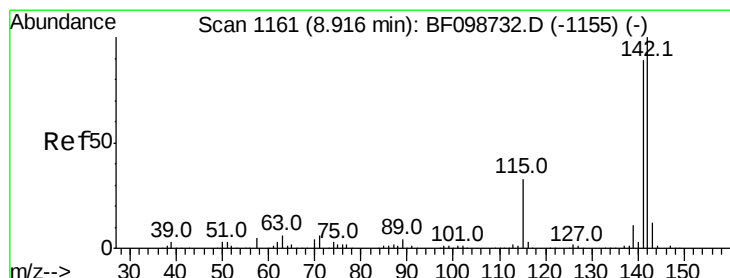
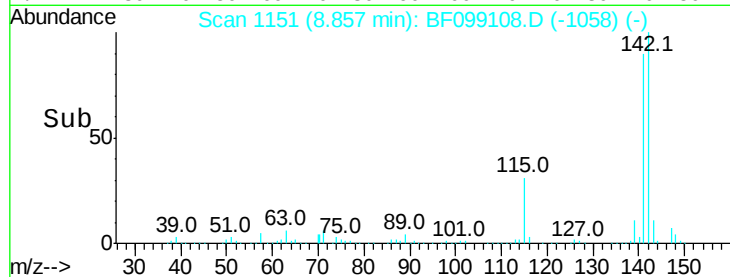
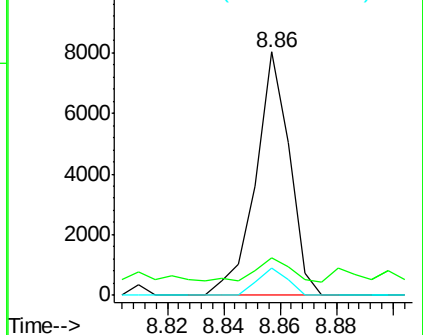
56 11.4 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 21.249 ng

RT: 8.86 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

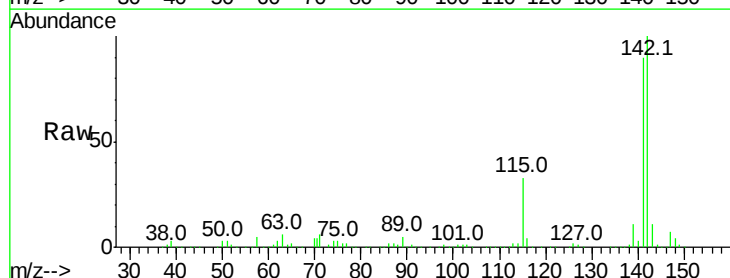
Tgt Ion:142 Resp: 304834

Ion Ratio Lower Upper

142 100

141 89.8 70.8 106.2

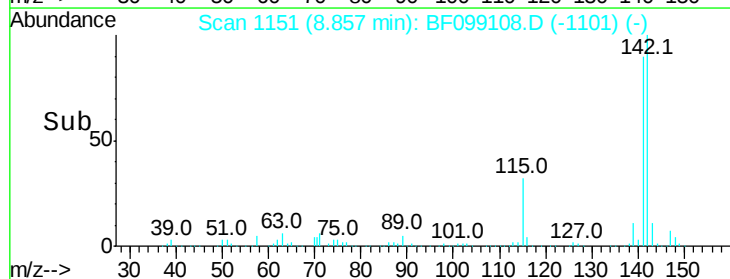
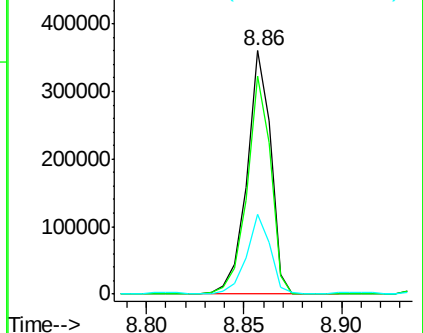
115 32.5 26.1 39.1

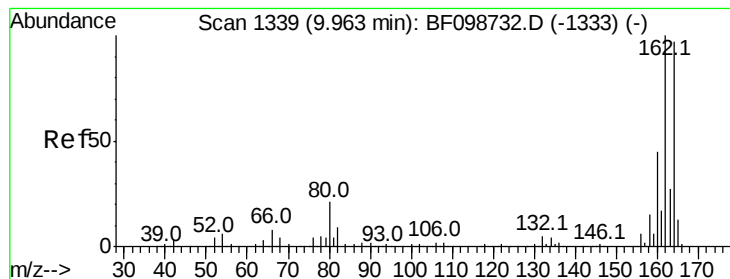


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

Instrument :

BNA_F

ClientSampleId :

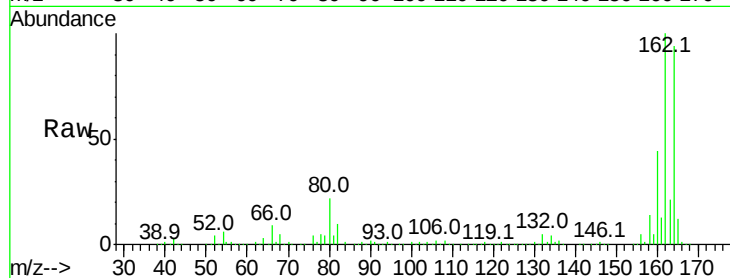
Tot Ion:164 Resp: 242953

Ion Ratio Lower Upper

164 100

162 106.2 86.1 129.1

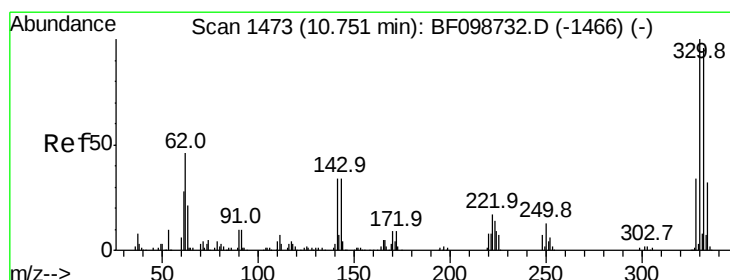
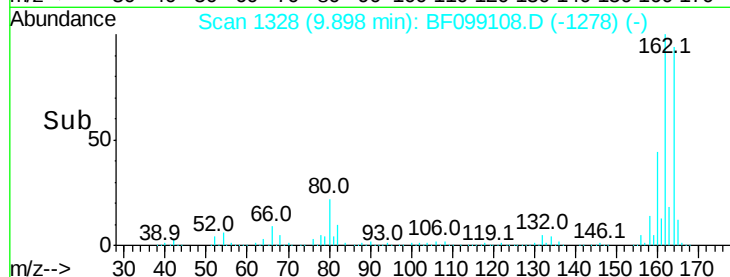
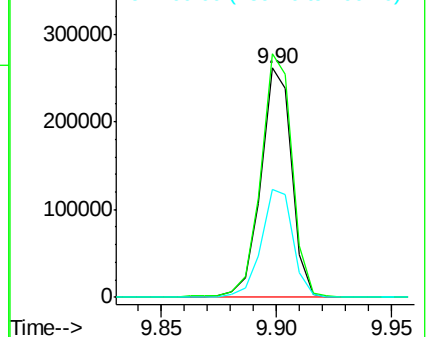
160 47.1 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 10.813 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

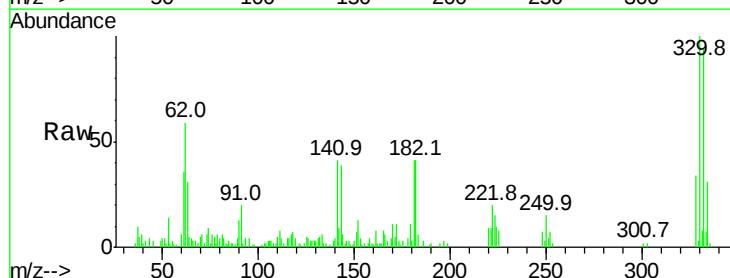
Tgt Ion:330 Resp: 21497

Ion Ratio Lower Upper

330 100

332 95.2 77.0 115.6

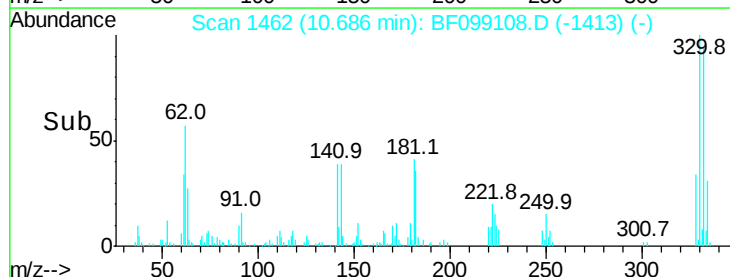
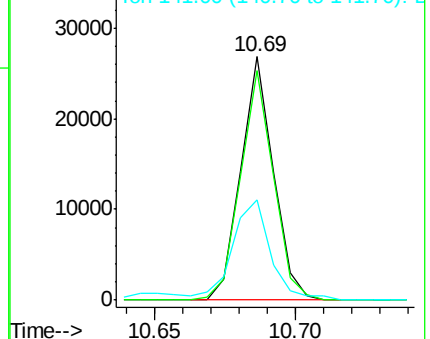
141 48.2 29.9 44.9#

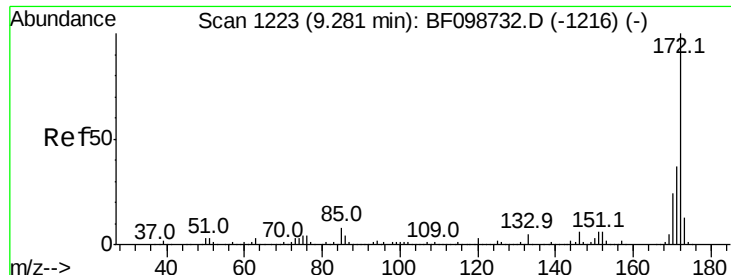


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



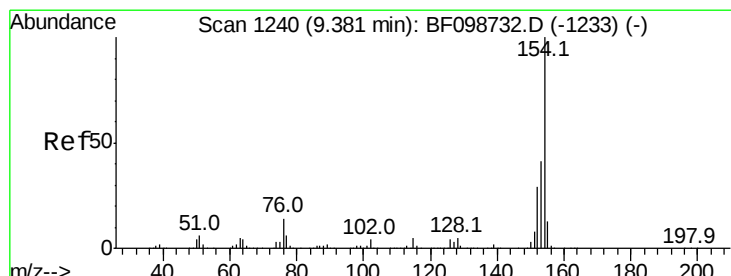
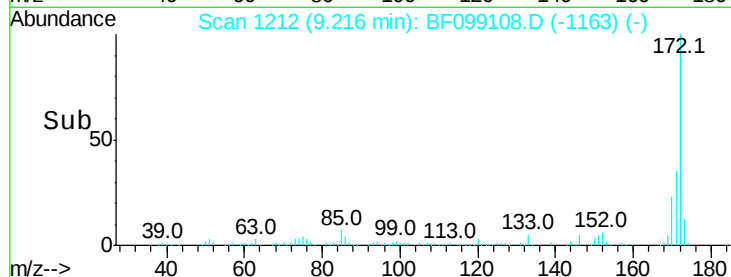
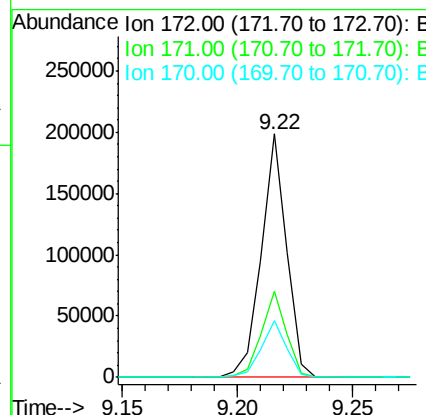
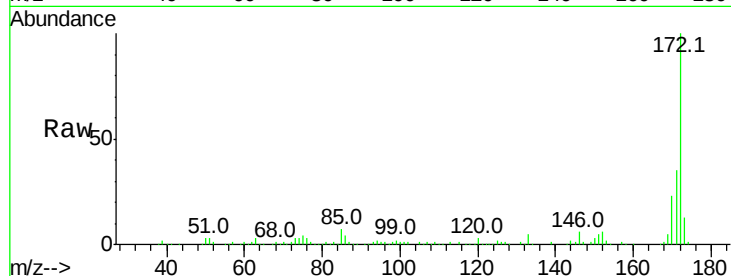


#44
 2-Fluorobiphenyl
 Concen: 10.459 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099108.D
 Acq: 5 Oct 2017 17:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 152208

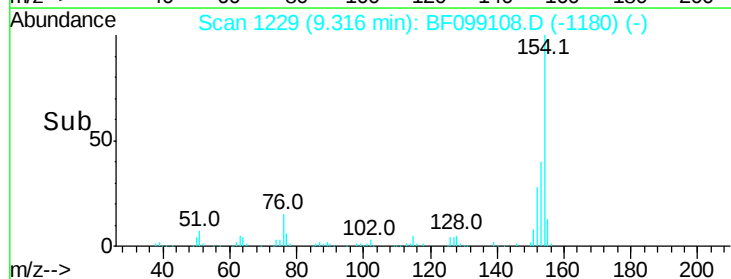
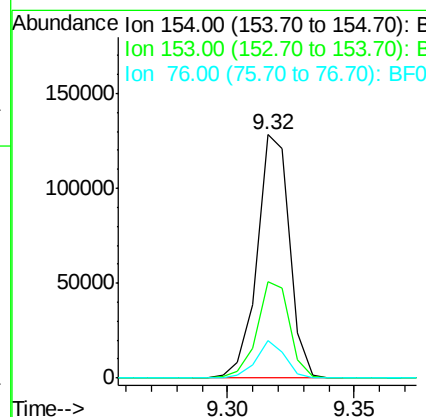
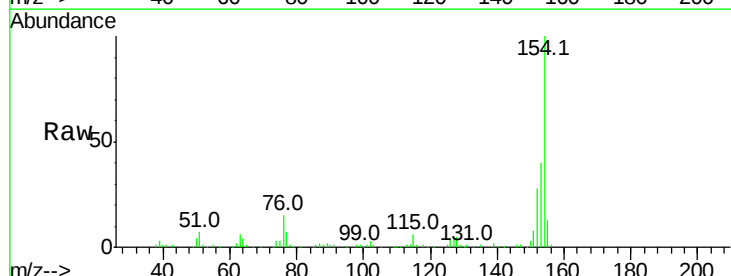
Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.1	19.6	29.4

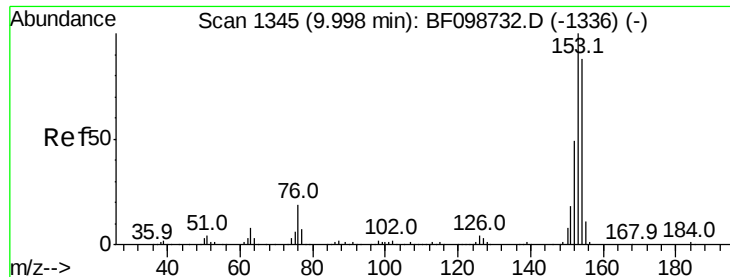


#45
 1,1'-Biphenyl
 Concen: 5.452 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF099108.D
 Acq: 5 Oct 2017 17:30

Tgt Ion:154 Resp: 113843

Ion	Ratio	Lower	Upper
154	100		
153	39.5	21.3	61.3
76	15.2	0.0	34.0





#51

Acenaphthene

Concen: 16.851 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

Instrument :

BNA_F

ClientSampled :

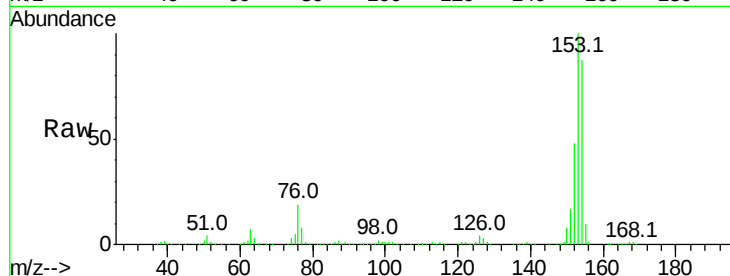
Tot Ion:154 Resp: 256184

Ion Ratio Lower Upper

154 100

153 114.8 91.2 136.8

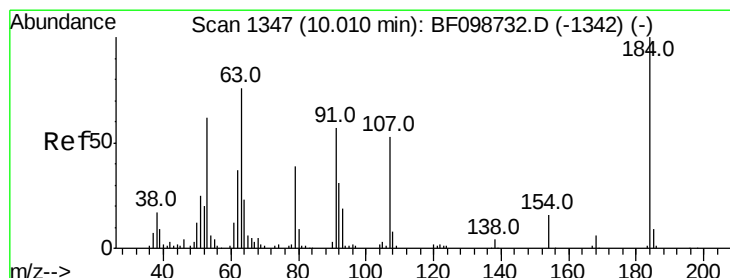
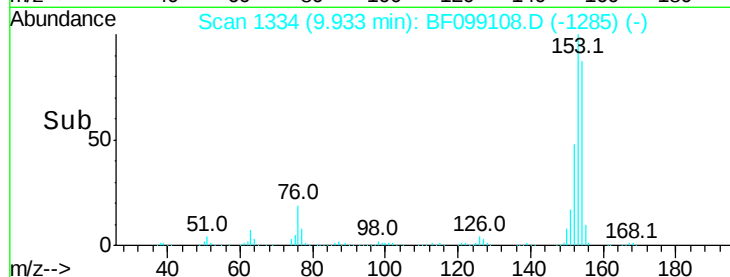
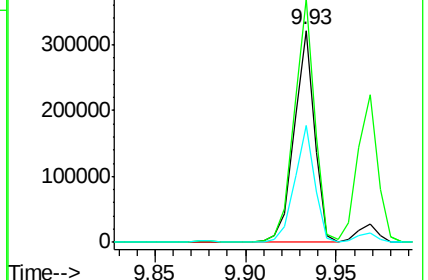
152 54.9 43.8 65.8



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: 5.901 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.08 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

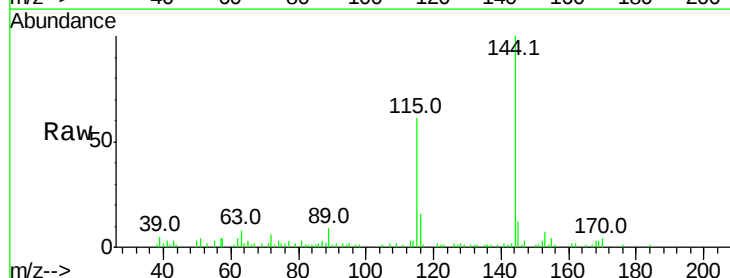
Tgt Ion:184 Resp: 163

Ion Ratio Lower Upper

184 100

63 681.8 54.2 81.2#

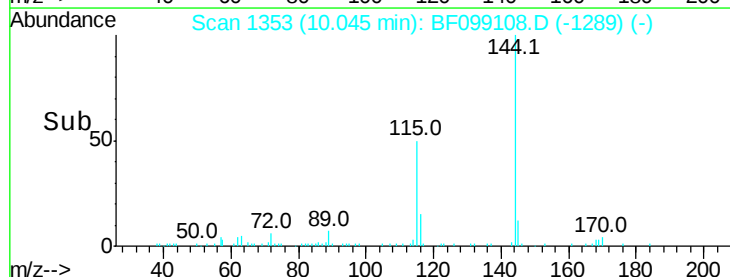
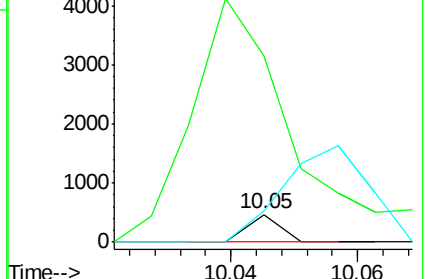
154 116.3 53.5 80.3#

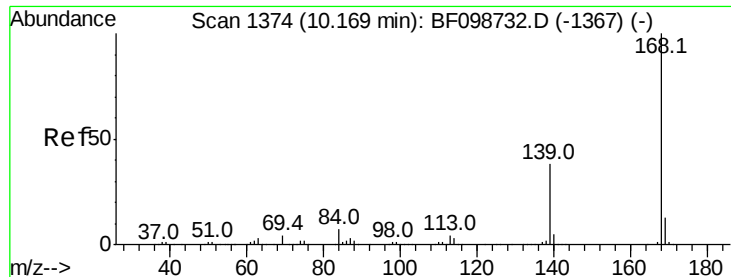


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 12.846 ng

RT: 10.10 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

Instrument :

BNA_F

ClientSampleId :

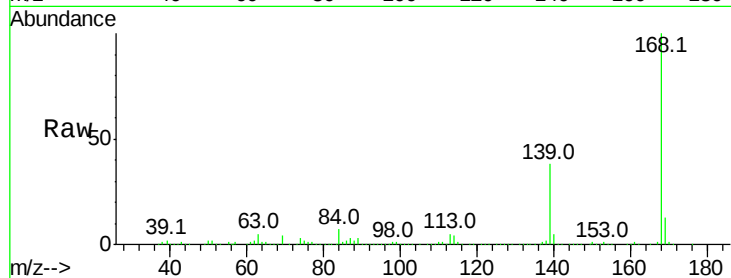
Tot Ion:168 Resp: 260029

Ion Ratio Lower Upper

168 100

139 38.1 30.1 45.1

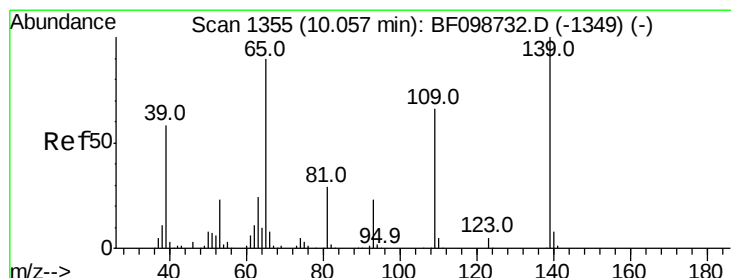
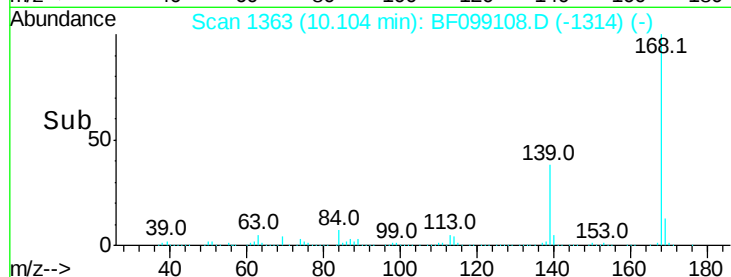
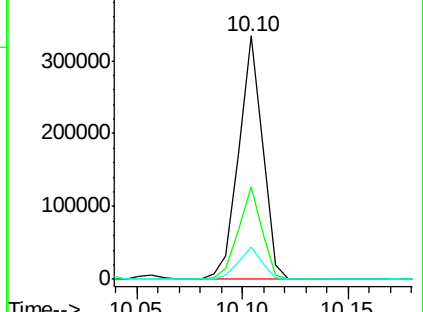
169 13.4 10.9 16.3



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



#55

4-Nitrophenol

Concen: 24.940 ng

RT: 10.10 min Scan# 1363

Delta R.T. 0.08 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

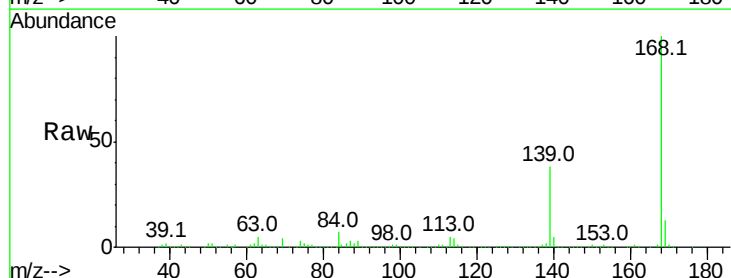
Tgt Ion:139 Resp: 98161

Ion Ratio Lower Upper

139 100

109 1.3 48.4 88.4#

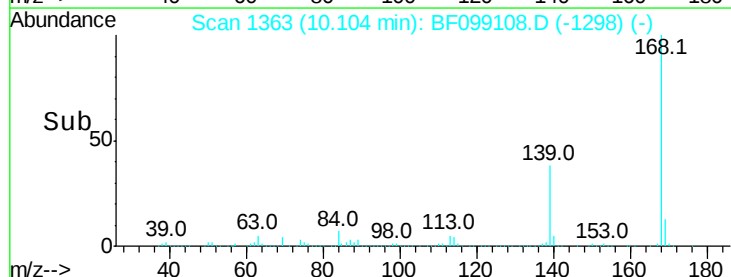
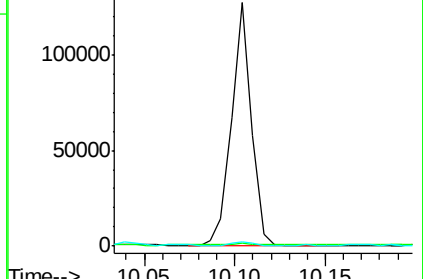
65 1.5 72.6 112.6#

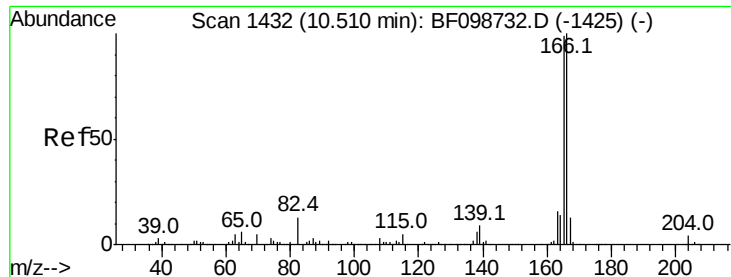


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#57

Fluorene

Concen: 6.725 ng

RT: 10.45 min Scan# 1421

Delta R.T. -0.01 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

Instrument :

BNA_F

ClientSampleId :

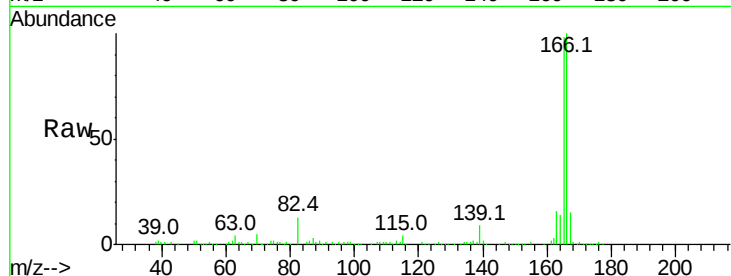
Tot Ion:166 Resp: 109408

Ion Ratio Lower Upper

166 100

165 98.0 79.8 119.8

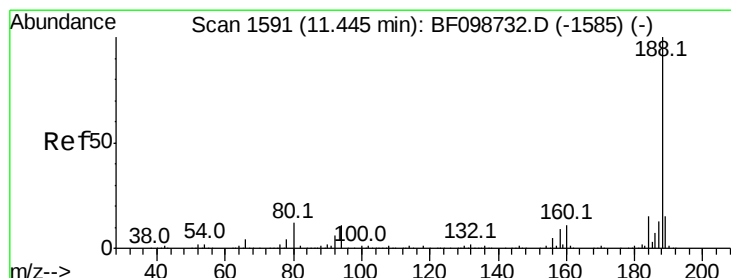
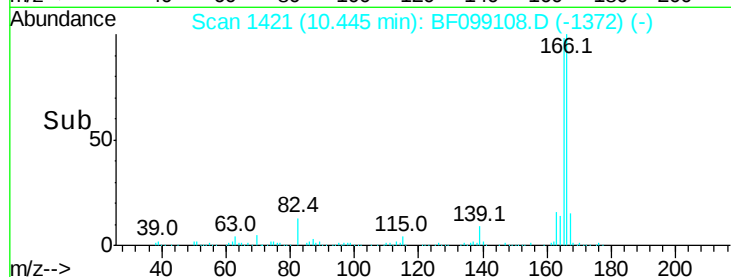
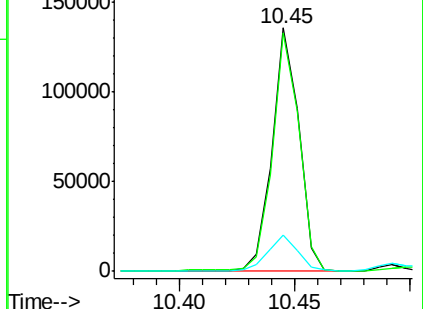
167 14.9 10.6 16.0



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: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

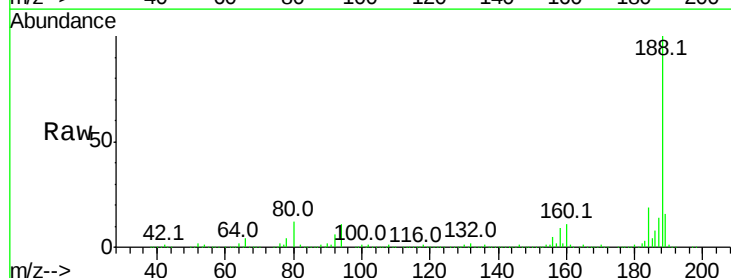
Tgt Ion:188 Resp: 422602

Ion Ratio Lower Upper

188 100

94 11.4 8.5 12.7

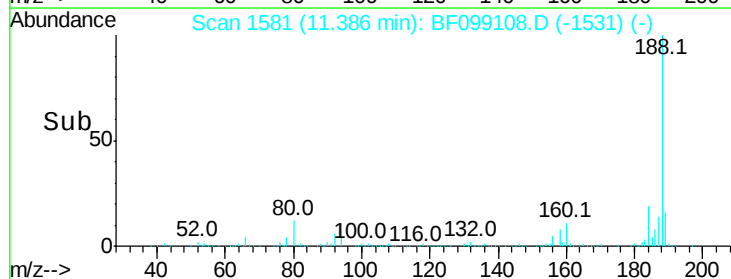
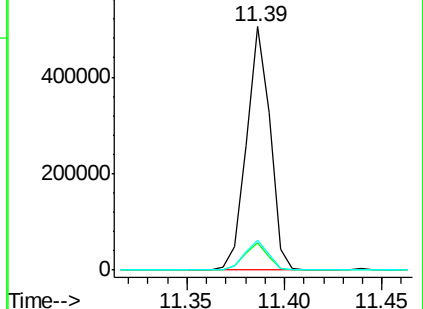
80 12.2 9.2 13.8

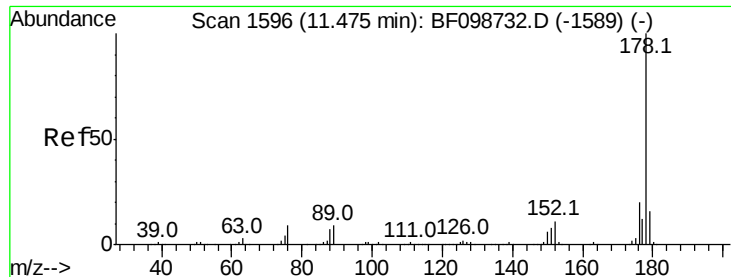


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

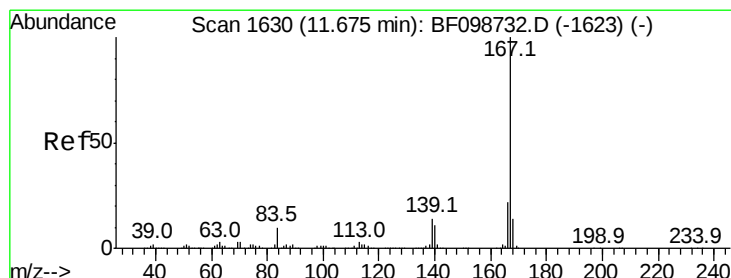
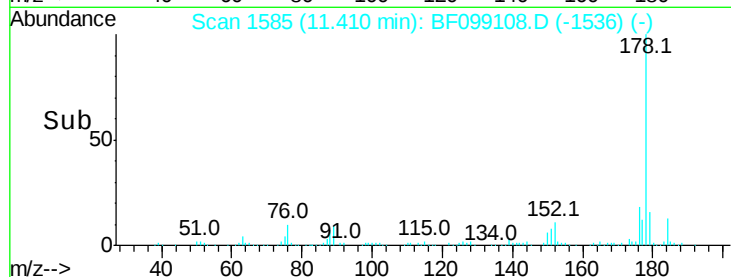
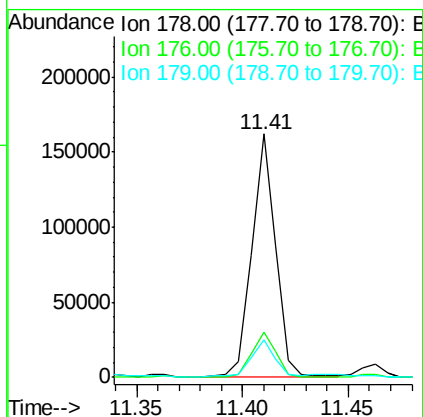
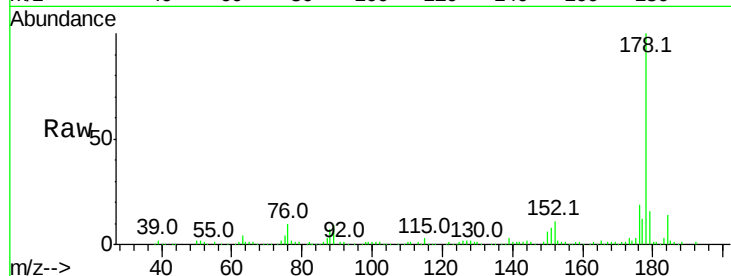




#70
Phenanthrene
Concen: 5.658 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF099108.D
Acq: 5 Oct 2017 17:30

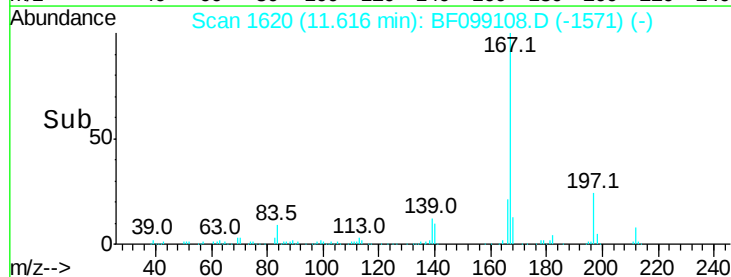
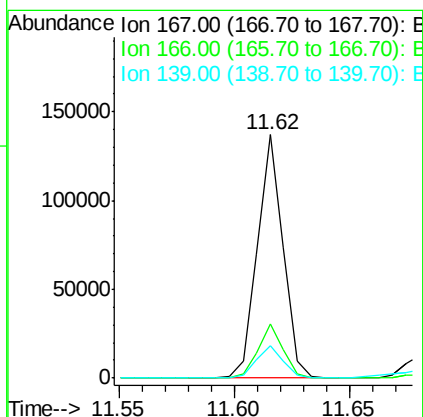
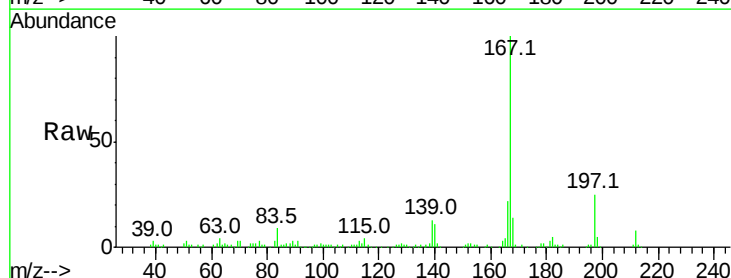
Instrument :
BNA_F
ClientSampleId :

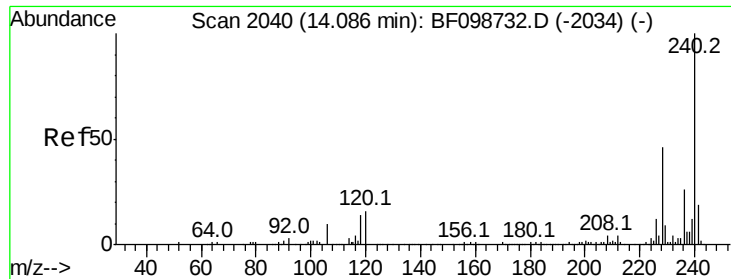
Tot Ion:178 Resp: 127979
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 15.5 13.0 19.6



#72
Carbazole
Concen: 4.708 ng
RT: 11.62 min Scan# 1620
Delta R.T. -0.01 min
Lab File: BF099108.D
Acq: 5 Oct 2017 17:30

Tgt Ion:167 Resp: 106702
Ion Ratio Lower Upper
167 100
166 22.3 17.6 26.4
139 13.2 10.9 16.3

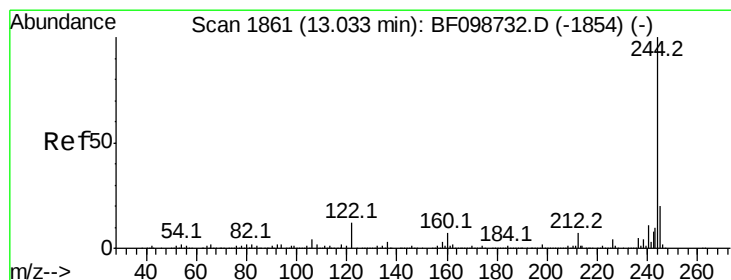
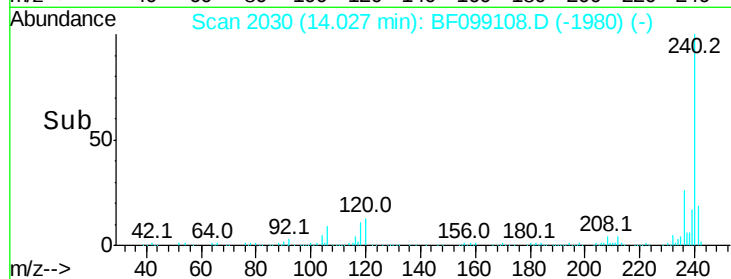
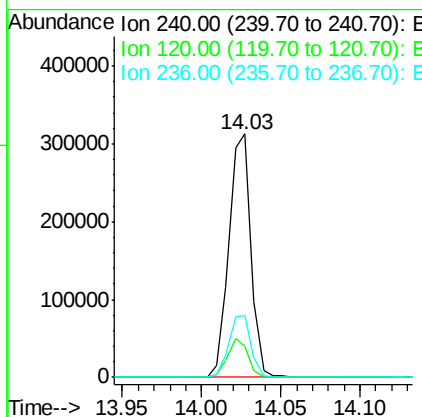
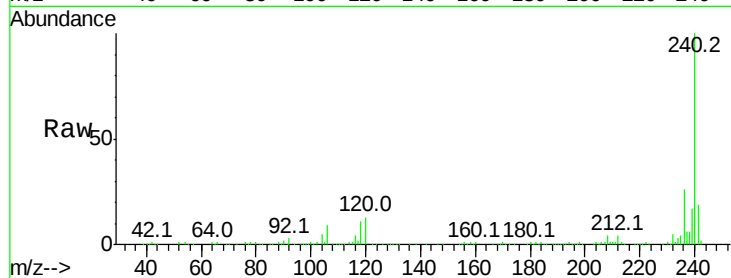




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF099108.D
 Acq: 5 Oct 2017 17:30

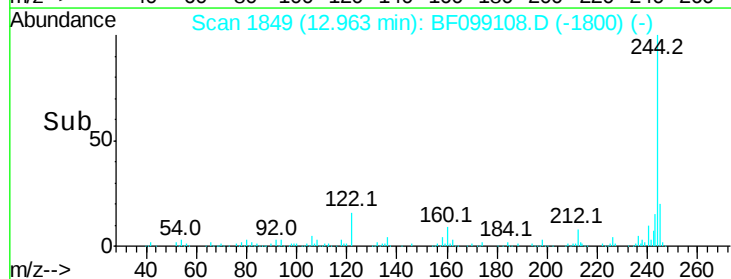
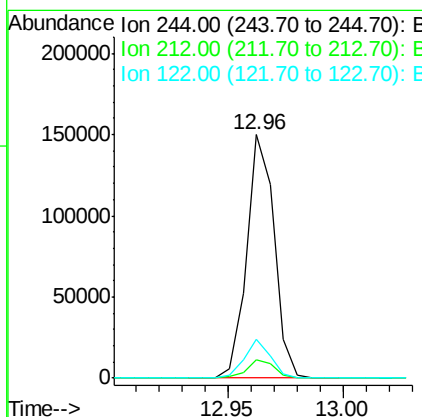
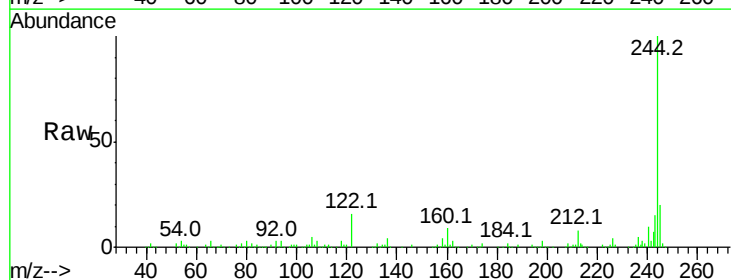
Instrument :
 BNA_F
 ClientSampleId :

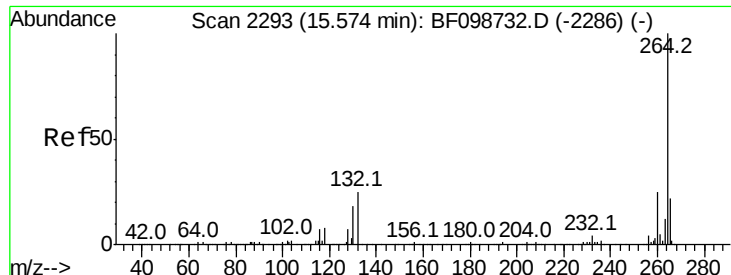
Tot Ion:240 Resp: 300994
 Ion Ratio Lower Upper
 240 100
 120 12.7 9.5 14.3
 236 25.5 20.7 31.1



#78
 Terphenyl-d14
 Concen: 9.412 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF099108.D
 Acq: 5 Oct 2017 17:30

Tgt Ion:244 Resp: 124566
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.4 8.0
 122 16.2 11.0 16.4

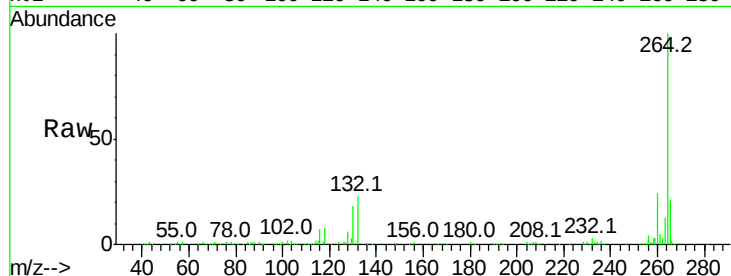




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BF099108.D
 Acq: 5 Oct 2017 17:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.0	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

