

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
 Data File : BF083173.D
 Acq On : 22 Nov 2015 22:09
 Operator : UM/IZ
 Sample : G4443-04
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20151110MGP206BRV40

Quant Time: Nov 23 05:49:40 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	211393	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	420936	20.00	ng	0.02
38) Acenaphthene-d10	9.69	164	413730	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	728766	20.00	ng	-0.01
75) Chrysene-d12	13.78	240	616000	20.00	ng	-0.02
86) Perylene-d12	15.15	264	519132	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	607754	43.47	ng	-0.01
7) Phenol-d6	6.32	99	523383	28.93	ng	-0.02
23) Nitrobenzene-d5	7.23	82	1420039	154.15	ng	0.00
41) 2,4,6-Tribromophenol	10.48	330	279054	65.93	ng	-0.01
44) 2-Fluorobiphenyl	9.03	172	2206590	74.37	ng	0.00
78) Terphenyl-d14	12.74	244	1646875	62.96	ng	-0.02

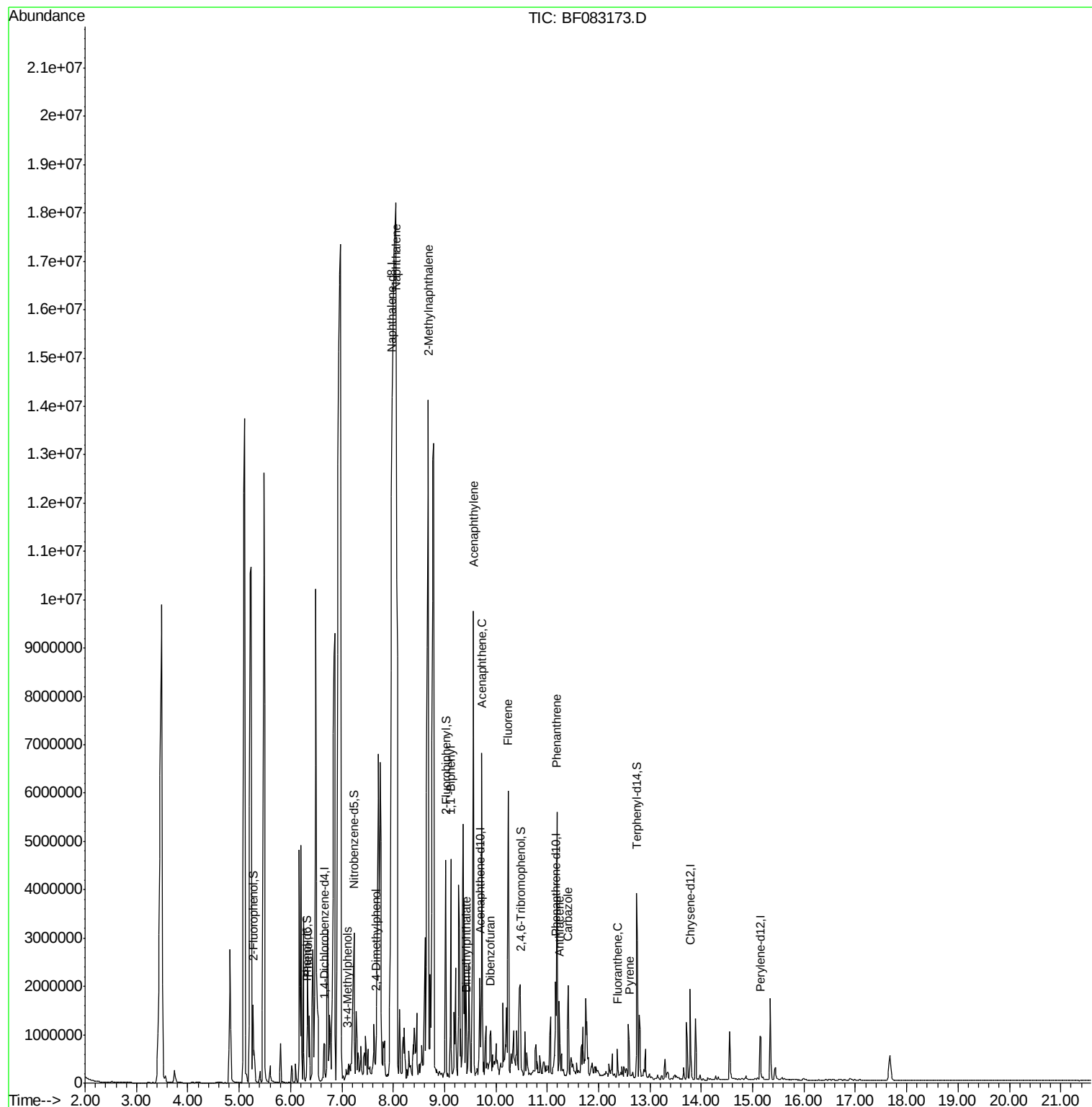
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.34	94	159781	7.30	ng	# 77
20) 3+4-Methylphenols	7.11	107	51978	3.29	ng	95
27) 2,4-Dimethylphenol	7.67	122	62512	9.01	ng	100
31) Naphthalene	8.06	128	35677874	1570.50	ng	# 72
37) 2-Methylnaphthalene	8.68	142	7648069	518.73	ng	96
45) 1,1'-Biphenyl	9.12	154	1359251	38.60	ng	97
48) Acenaphthylene	9.56	152	5378210	125.47	ng	# 90
49) Dimethylphthalate	9.43	163	115641	3.63	ng	98
51) Acenaphthene	9.72	154	1561312	59.85	ng	99
54) Dibenzofuran	9.90	168	409481	11.10	ng	# 92
57) Fluorene	10.24	166	2223180	72.93	ng	99
70) Phenanthrene	11.19	178	2691157	64.09	ng	97
71) Anthracene	11.23	178	598831	13.98	ng	99
72) Carbazole	11.40	167	827643	21.74	ng	99
74) Fluoranthene	12.36	202	225334	5.24	ng	98
77) Pyrene	12.59	202	313500	7.45	ng	97

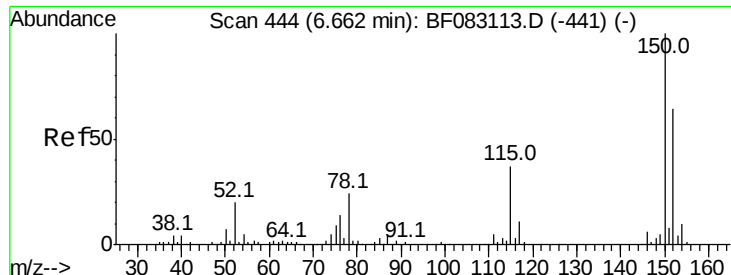
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083173.D
Acq On : 22 Nov 2015 22:09
Operator : UM/IZ
Sample : G4443-04
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20151110MGP206BRV40

Quant Time: Nov 23 05:49:40 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: BF083173.D

Acq: 22 Nov 2015 22:09

Instrument :

BNA_F

ClientSampleId :

20151110MGP206BRV40

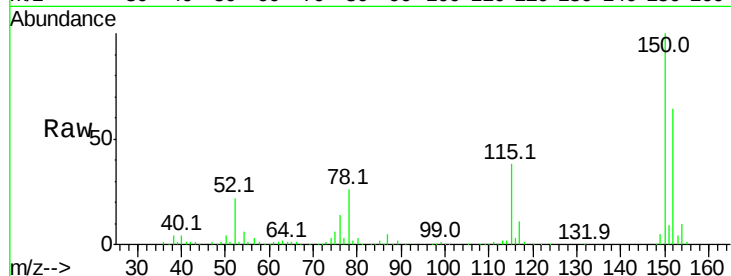
Tot Ion:152 Resp: 211393

Ion Ratio Lower Upper

152 100

150 155.3 125.8 188.8

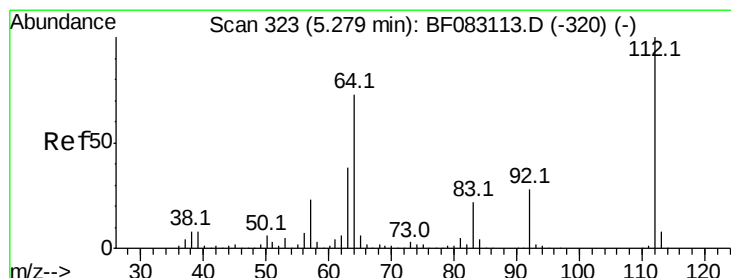
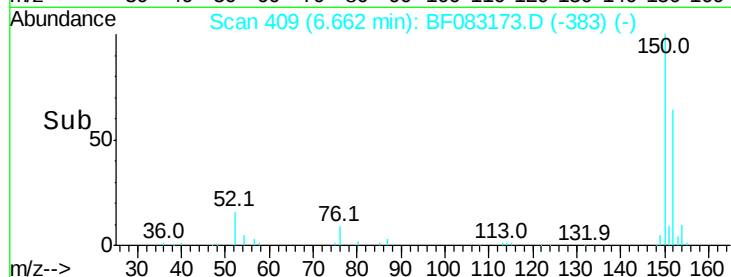
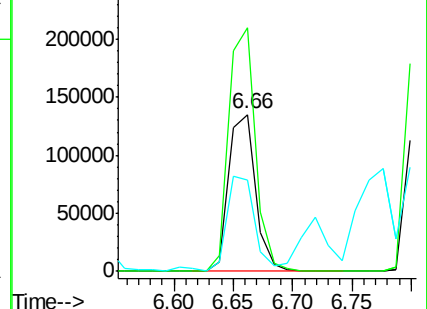
115 58.3 46.9 70.3



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: 43.47 ng

RT: 5.27 min Scan# 287

Delta R.T. -0.01 min

Lab File: BF083173.D

Acq: 22 Nov 2015 22:09

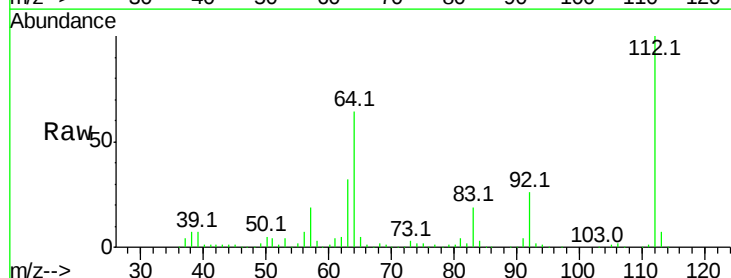
Tgt Ion:112 Resp: 607754

Ion Ratio Lower Upper

112 100

64 64.4 58.4 87.6

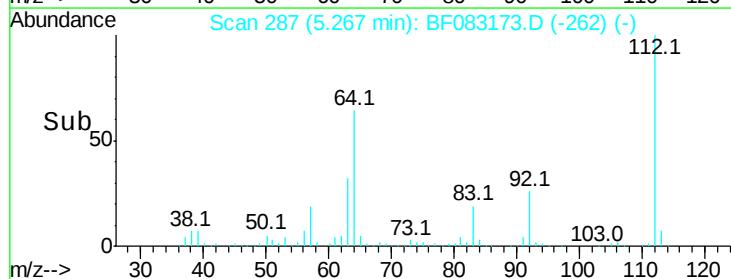
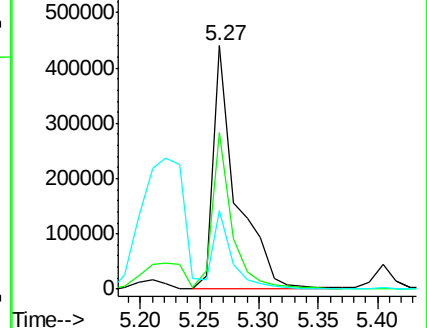
63 32.3 30.0 45.0

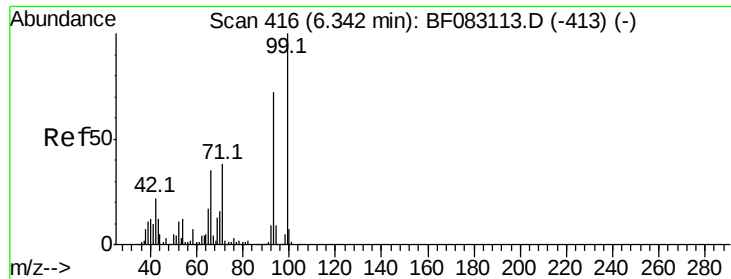


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 28.93 ng

RT: 6.32 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF083173.D

Acq: 22 Nov 2015 22:09

Instrument :

BNA_F

ClientSampleId :

20151110MGP206BRV40

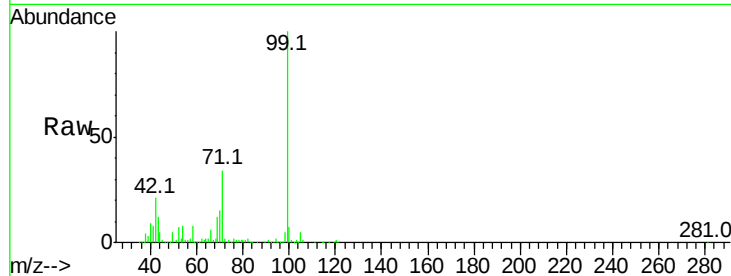
Tot Ion: 99 Resp: 523383

Ion Ratio Lower Upper

99 100

42 21.0 17.7 26.5

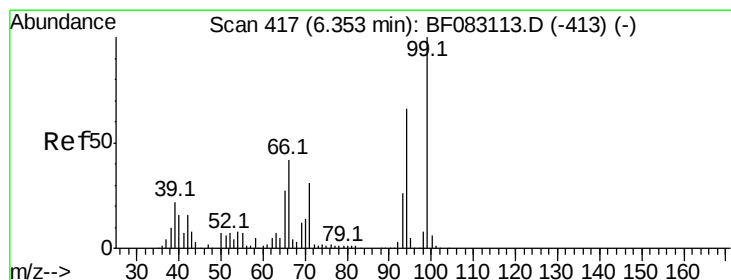
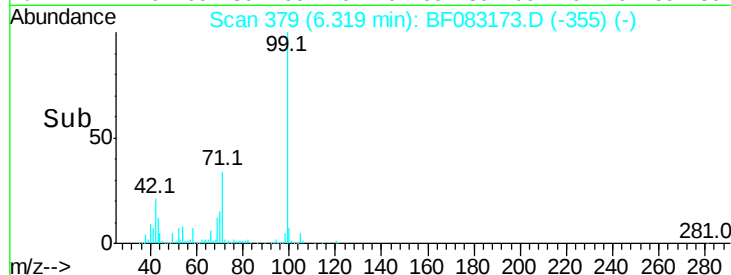
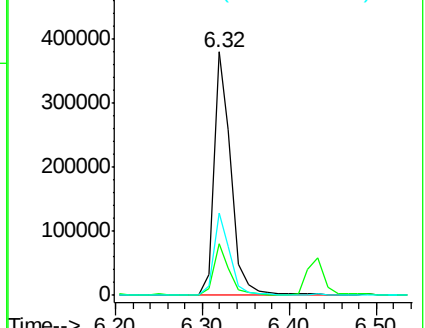
71 33.9 30.2 45.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 7.30 ng

RT: 6.34 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF083173.D

Acq: 22 Nov 2015 22:09

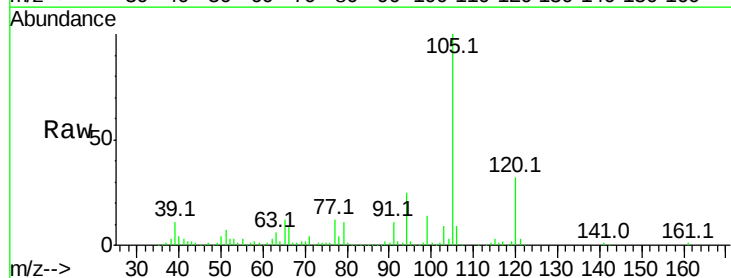
Tgt Ion: 94 Resp: 159781

Ion Ratio Lower Upper

94 100

65 47.1 21.1 61.1

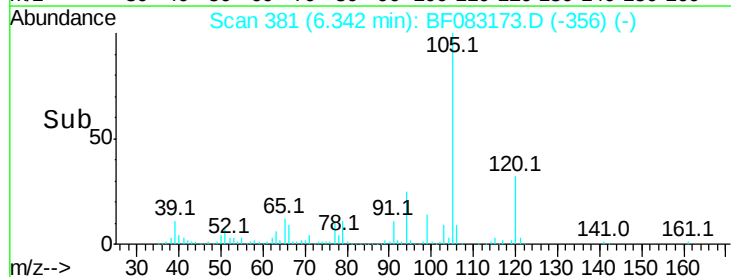
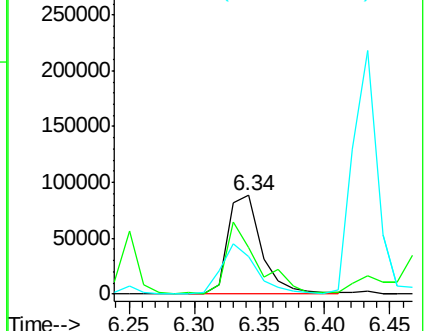
66 37.9 43.1 83.1#

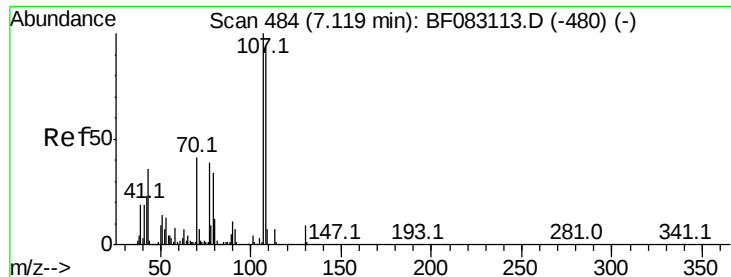


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#20

3+4-Methylphenols

Concen: 3.29 ng

RT: 7.11 min Scan# 448

Delta R.T. -0.01 min

Lab File: BF083173.D

Acq: 22 Nov 2015 22:09

Instrument :

BNA_F

ClientSampleId :

20151110MGP206BRV40

Tot Ion:107 Resp: 51978

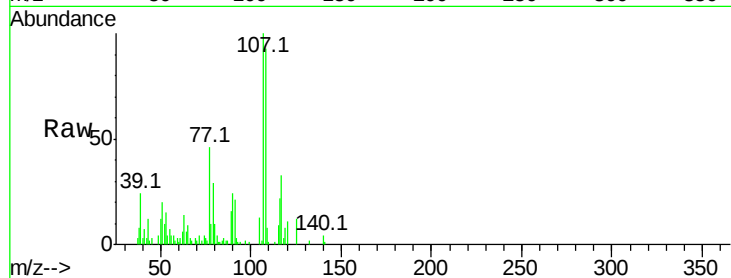
Ion Ratio Lower Upper

107 100

108 92.8 73.8 113.8

77 45.8 19.1 59.1

79 28.5 13.7 53.7

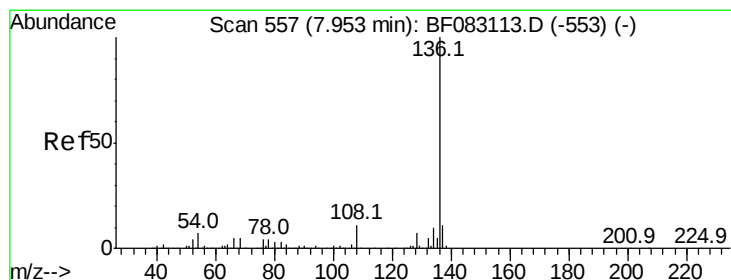
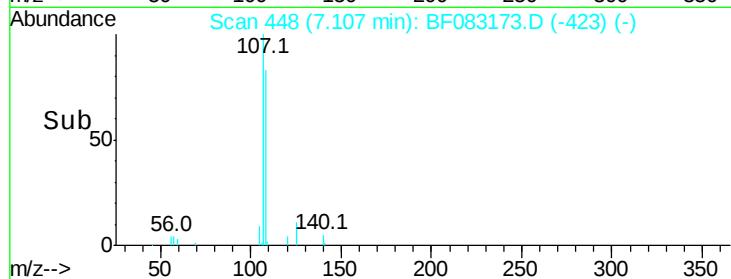
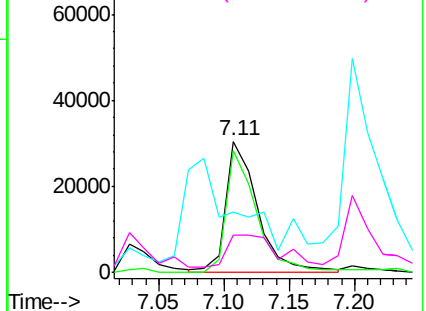


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 524

Delta R.T. 0.02 min

Lab File: BF083173.D

Acq: 22 Nov 2015 22:09

Tgt Ion:136 Resp: 420936

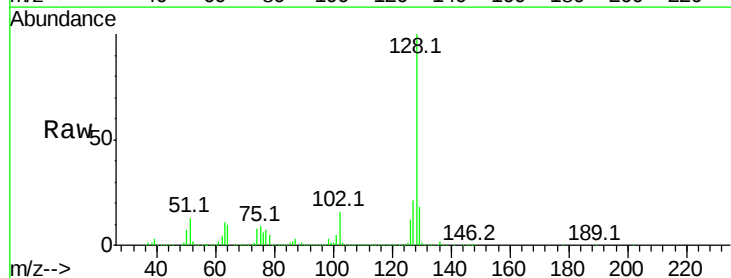
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 9.4 5.8 8.6#

68 7.3 3.8 5.8#

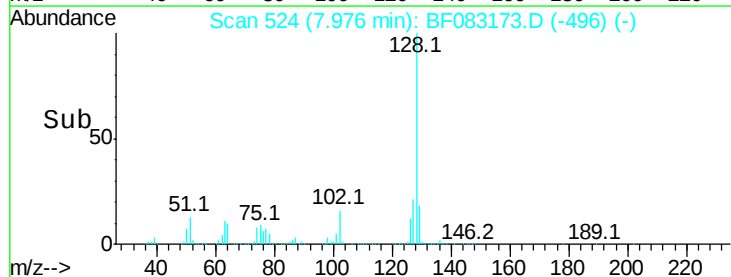
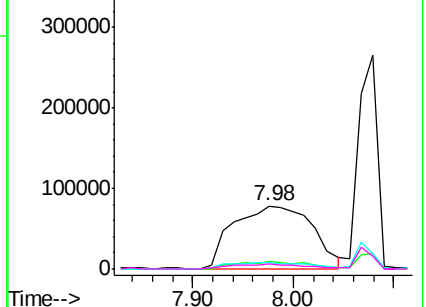


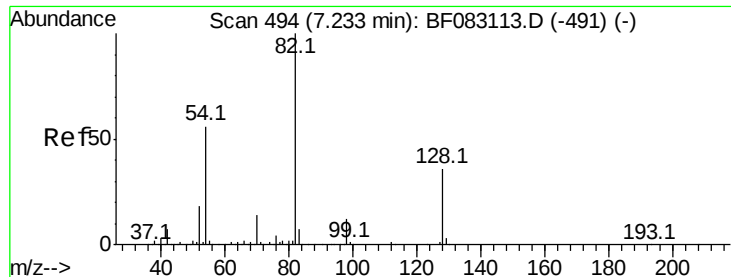
Abundance Ion 136.00 (135.70 to 136.70): E

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

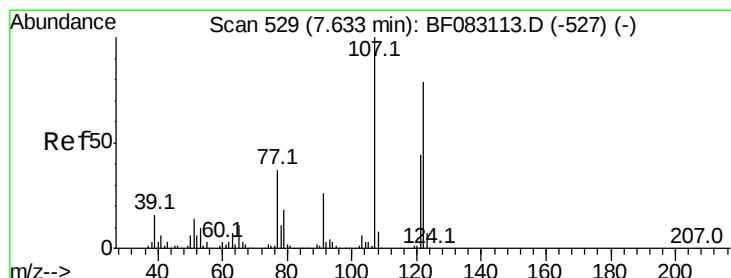
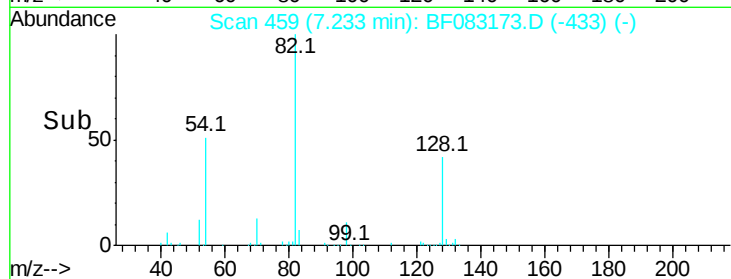
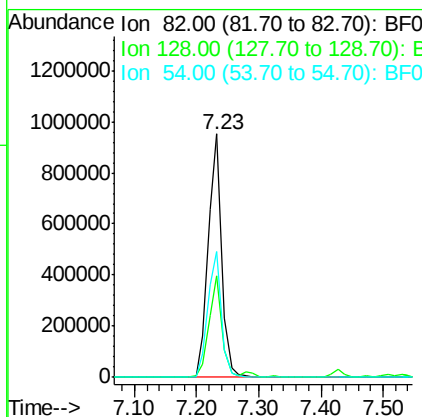
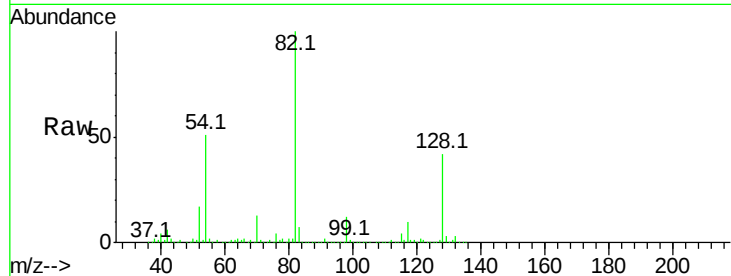




#23
 Nitrobenzene-d5
 Concen: 154.15 ng
 RT: 7.23 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: BF083173.D
 Acq: 22 Nov 2015 22:09

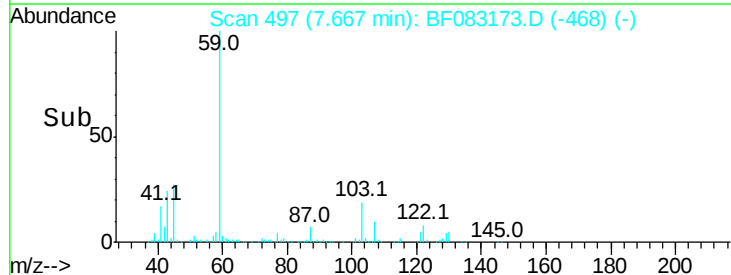
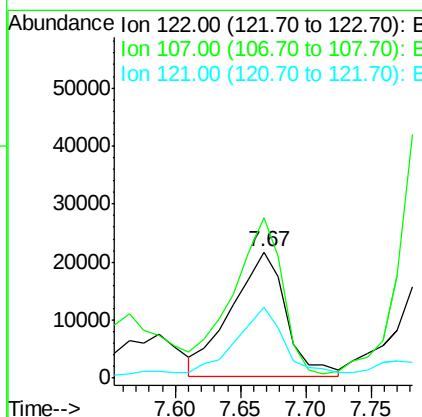
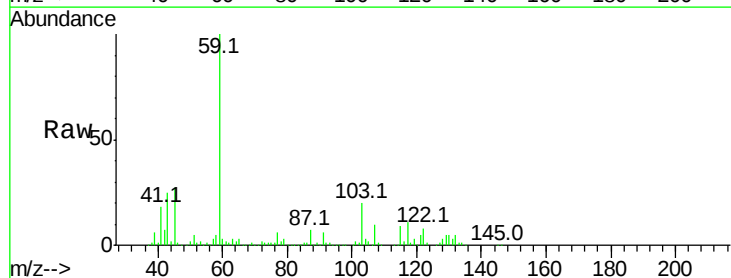
Instrument :
 BNA_F
 ClientSampleId :
 20151110MGP206BRV40

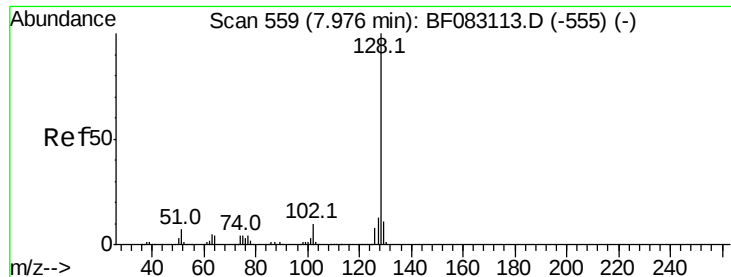
Tot Ion: 82 Resp: 1420039
 Ion Ratio Lower Upper
 82 100
 128 41.6 28.5 42.7
 54 51.5 44.6 67.0



#27
 2,4-Dimethylphenol
 Concen: 9.01 ng
 RT: 7.67 min Scan# 497
 Delta R.T. 0.03 min
 Lab File: BF083173.D
 Acq: 22 Nov 2015 22:09

Tgt Ion:122 Resp: 62512
 Ion Ratio Lower Upper
 122 100
 107 127.1 101.1 151.7
 121 56.2 44.9 67.3

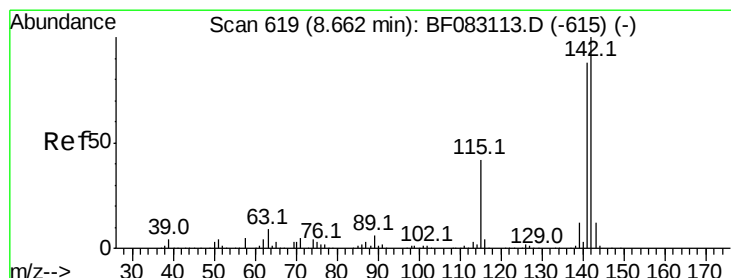
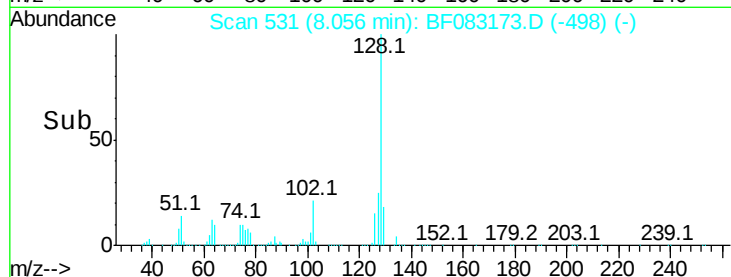
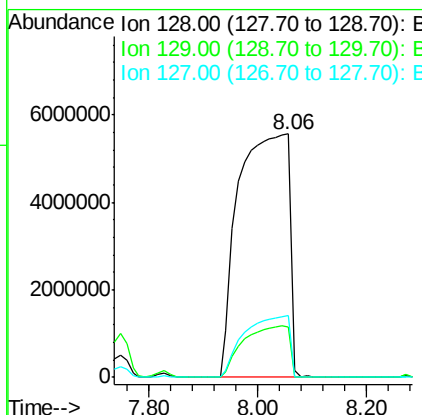
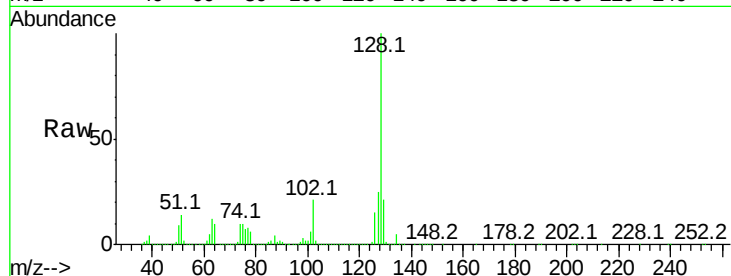




#31
Naphthalene
Concen: 1570.50 ng
RT: 8.06 min Scan# 531
Delta R.T. 0.08 min
Lab File: BF083173.D
Acq: 22 Nov 2015 22:09

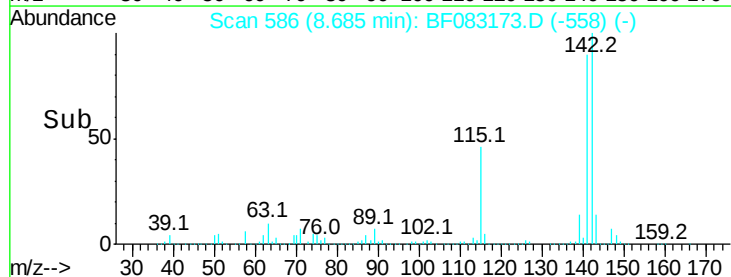
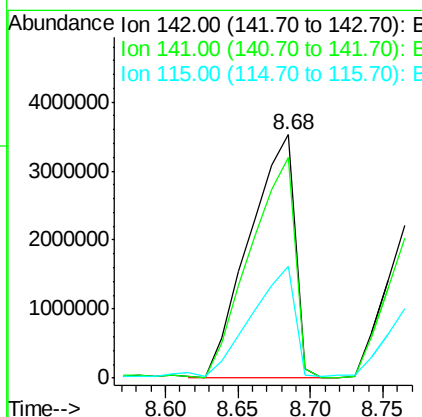
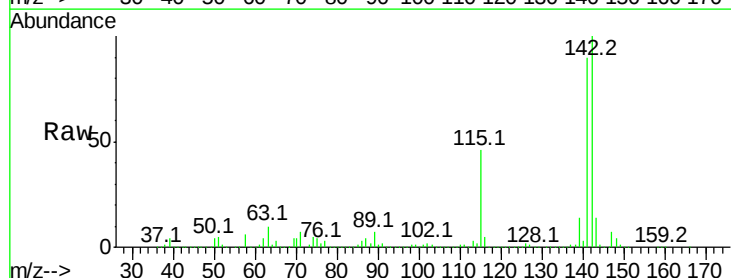
Instrument :
BNA_F
ClientSampleId :
20151110MGP206BRV40

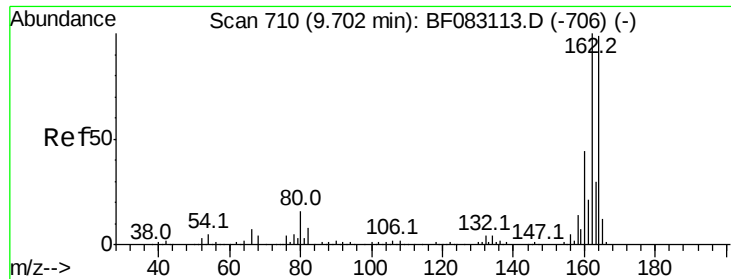
Tot Ion:128 Resp:35677874
Ion Ratio Lower Upper
128 100
129 20.8 9.0 13.4#
127 25.3 10.6 15.8#



#37
2-Methylnaphthalene
Concen: 518.73 ng
RT: 8.68 min Scan# 586
Delta R.T. 0.02 min
Lab File: BF083173.D
Acq: 22 Nov 2015 22:09

Tgt Ion:142 Resp: 7648069
Ion Ratio Lower Upper
142 100
141 90.3 70.3 105.5
115 45.9 33.4 50.2

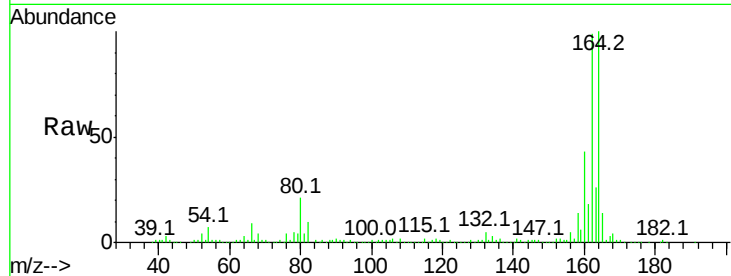




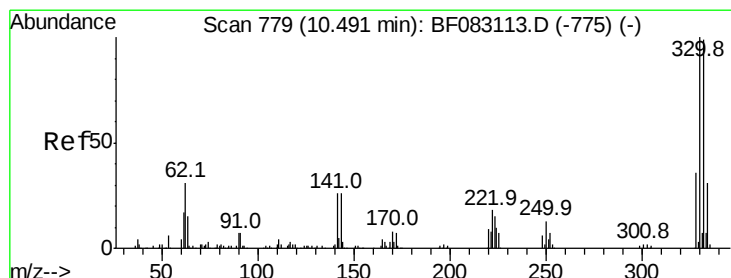
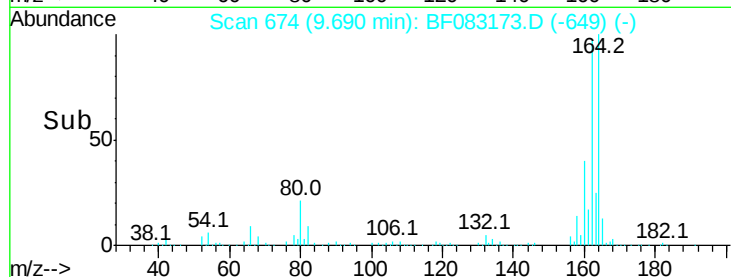
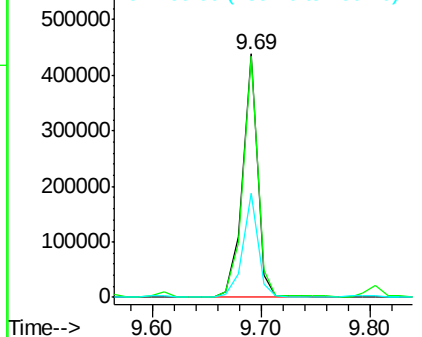
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.69 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF083173.D
Acq: 22 Nov 2015 22:09

Instrument :
BNA_F
ClientSampleId :
20151110MGP206BRV40

Tot Ion:164 Resp: 413730
Ion Ratio Lower Upper
164 100
162 99.2 81.2 121.8
160 43.0 35.6 53.4

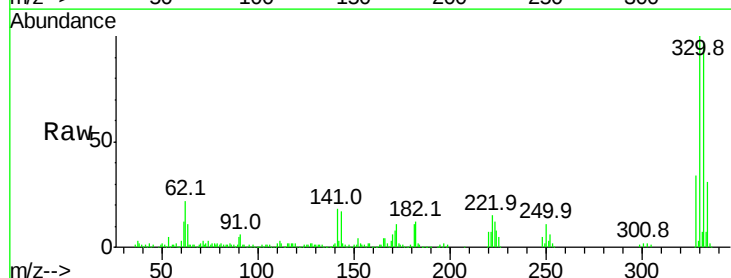


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

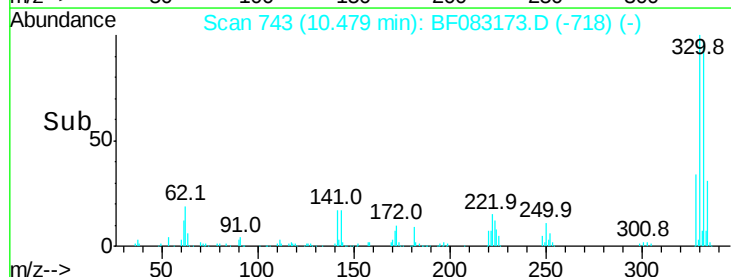
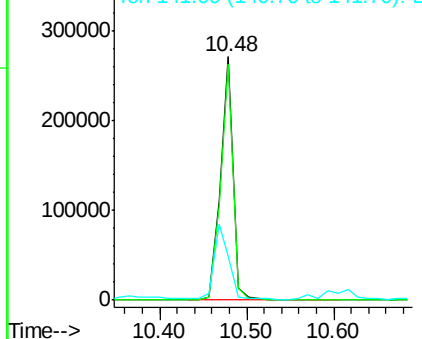


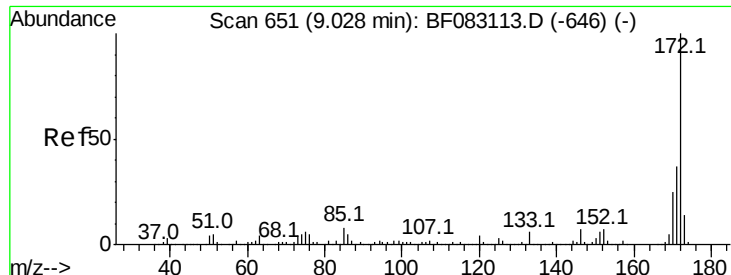
#41
2,4,6-Tribromophenol
Concen: 65.93 ng
RT: 10.48 min Scan# 743
Delta R.T. -0.01 min
Lab File: BF083173.D
Acq: 22 Nov 2015 22:09

Tgt Ion:330 Resp: 279054
Ion Ratio Lower Upper
330 100
332 96.3 77.7 116.5
141 36.3 29.7 44.5



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



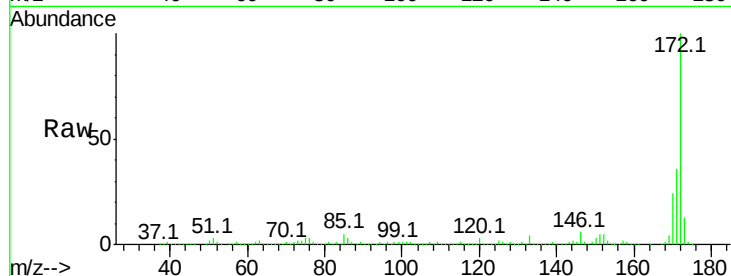


#44
 2-Fluorobiphenyl
 Concen: 74.37 ng
 RT: 9.03 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: BF083173.D
 Acq: 22 Nov 2015 22:09

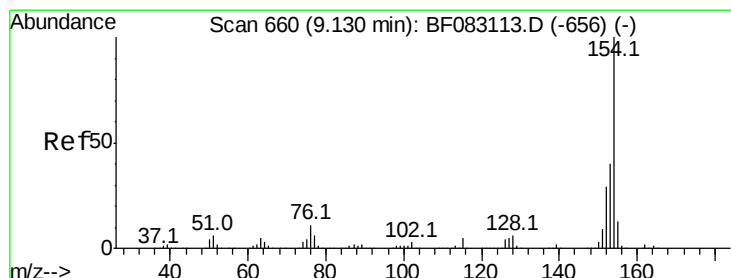
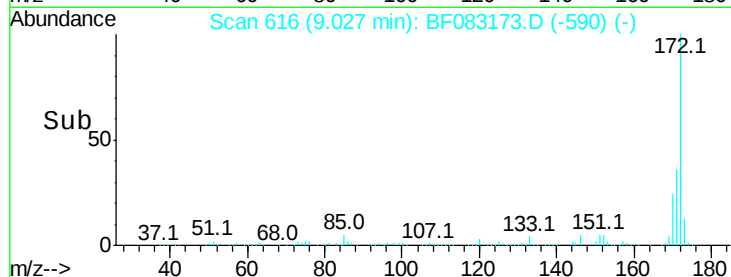
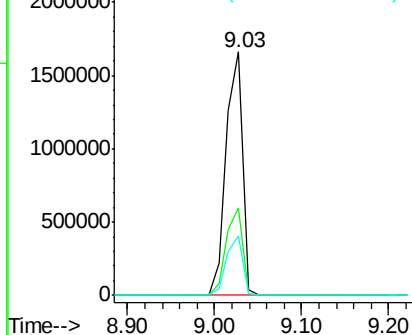
Instrument :
 BNA_F
 ClientSampleId :
 20151110MGP206BRV40

Tot Ion:172 Resp: 2206590

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.5	44.3
170	24.3	19.9	29.9



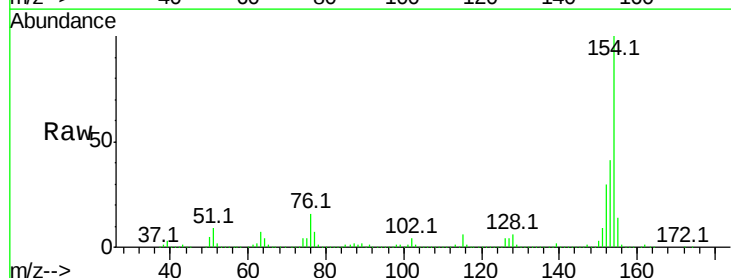
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



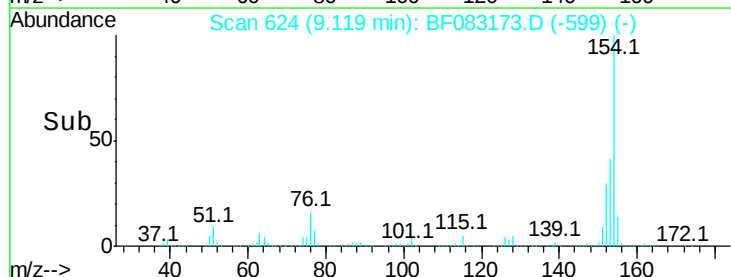
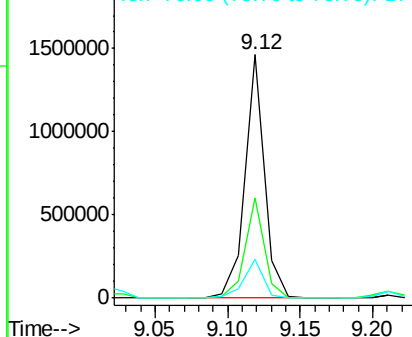
#45
 1,1'-Biphenyl
 Concen: 38.60 ng
 RT: 9.12 min Scan# 624
 Delta R.T. -0.01 min
 Lab File: BF083173.D
 Acq: 22 Nov 2015 22:09

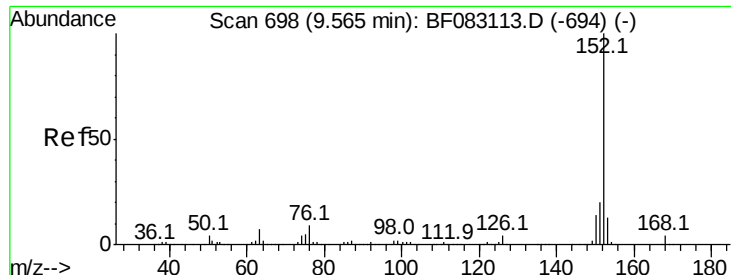
Tgt Ion:154 Resp: 1359251

Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.5	60.5
76	15.7	0.0	31.2



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0





#48

Acenaphthylene

Concen: 125.47 ng

RT: 9.56 min Scan# 663

Delta R.T. -0.00 min

Lab File: BF083173.D

Acq: 22 Nov 2015 22:09

Instrument :

BNA_F

ClientSampleId :

20151110MGP206BRV40

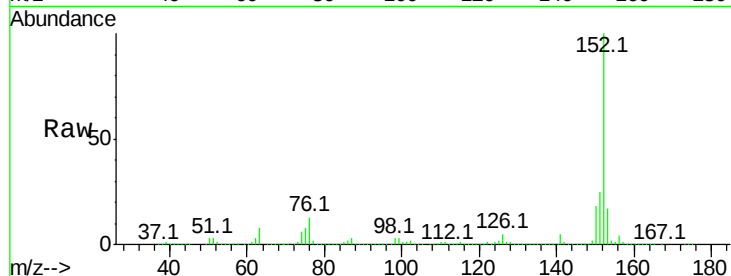
Tot Ion:152 Resp: 5378210

Ion Ratio Lower Upper

152 100

151 24.8 16.3 24.5#

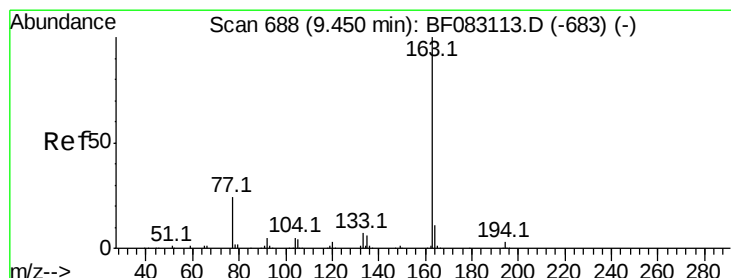
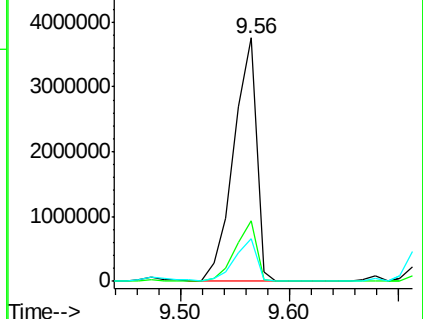
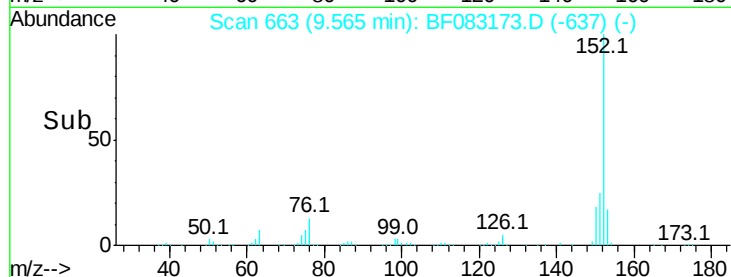
153 17.4 10.8 16.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 3.63 ng

RT: 9.43 min Scan# 651

Delta R.T. -0.02 min

Lab File: BF083173.D

Acq: 22 Nov 2015 22:09

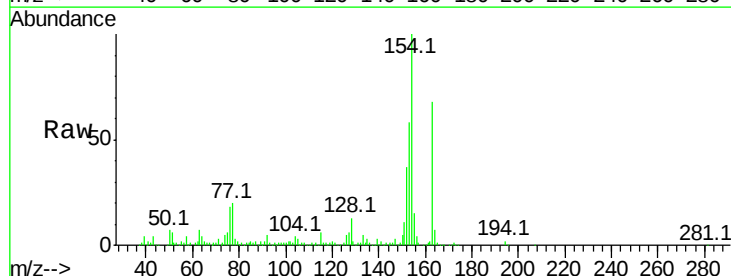
Tgt Ion:163 Resp: 115641

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

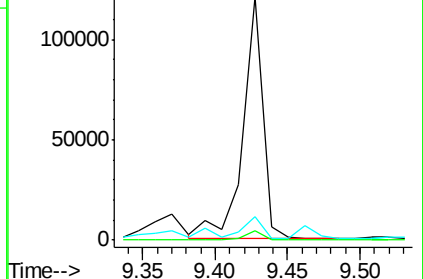
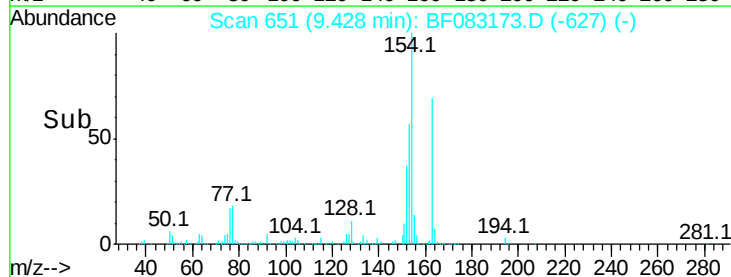
164 9.9 8.6 12.8

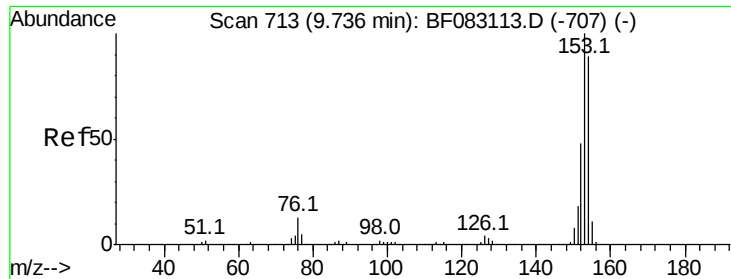


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 59.85 ng

RT: 9.72 min Scan# 677

Delta R.T. -0.01 min

Lab File: BF083173.D

Acq: 22 Nov 2015 22:09

Instrument :

BNA_F

ClientSampleId :

20151110MGP206BRV40

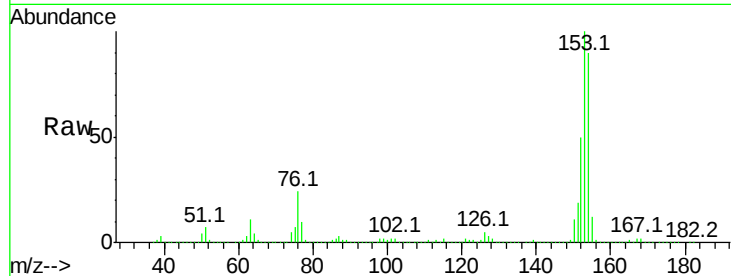
Tot Ion:154 Resp: 1561312

Ion Ratio Lower Upper

154 100

153 111.5 89.6 134.4

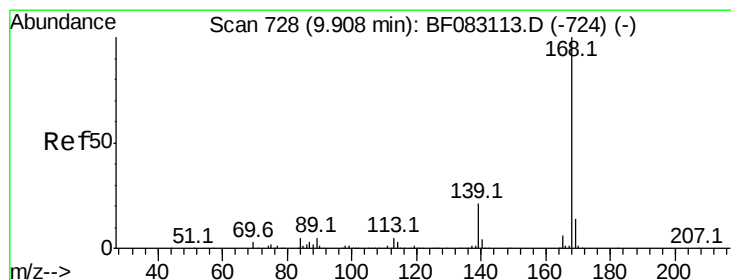
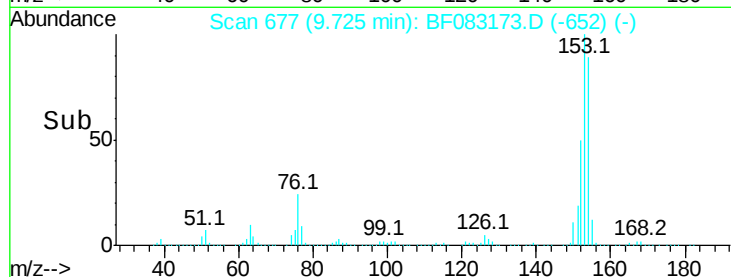
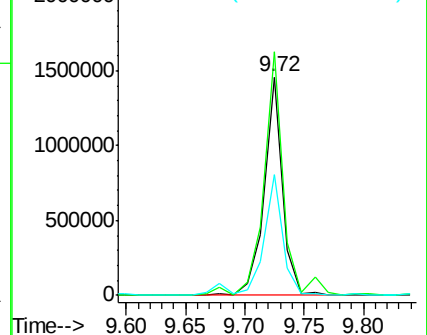
152 55.5 43.3 64.9



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: 11.10 ng

RT: 9.90 min Scan# 692

Delta R.T. -0.01 min

Lab File: BF083173.D

Acq: 22 Nov 2015 22:09

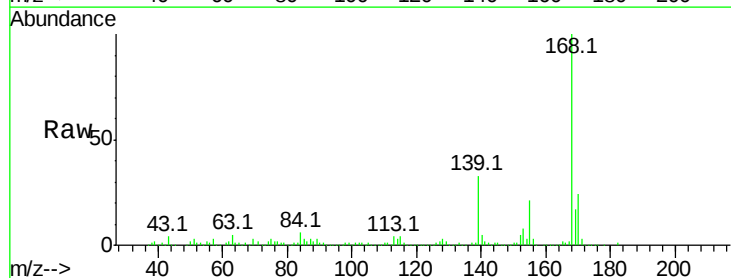
Tgt Ion:168 Resp: 409481

Ion Ratio Lower Upper

168 100

139 33.2 30.2 45.2

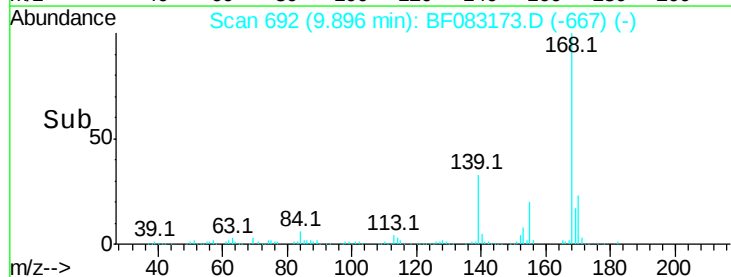
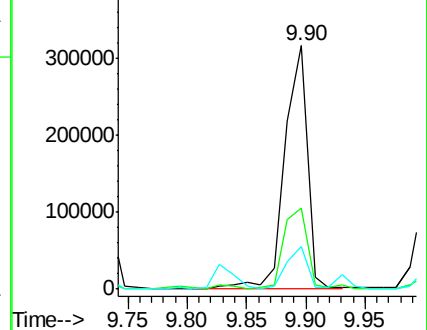
169 17.4 10.9 16.3#

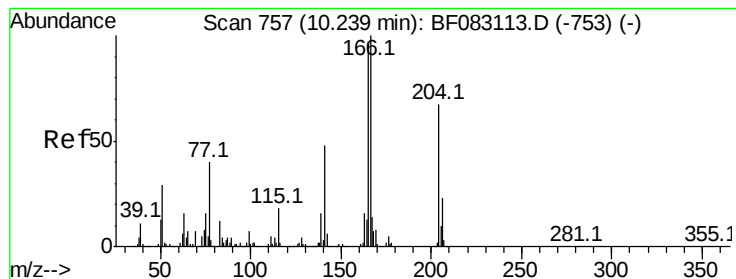


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 72.93 ng

RT: 10.24 min Scan# 722

Delta R.T. -0.00 min

Lab File: BF083173.D

Acq: 22 Nov 2015 22:09

Instrument :

BNA_F

ClientSampleId :

20151110MGP206BRV40

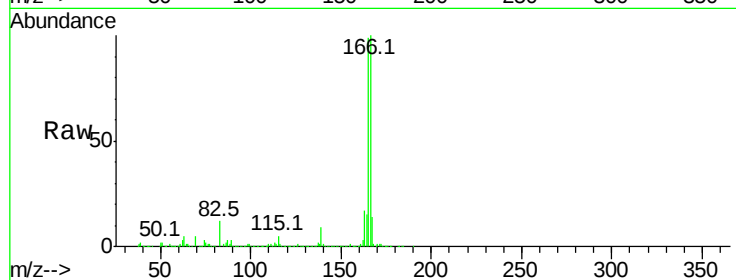
Tot Ion:166 Resp: 2223180

Ion Ratio Lower Upper

166 100

165 99.1 78.0 117.0

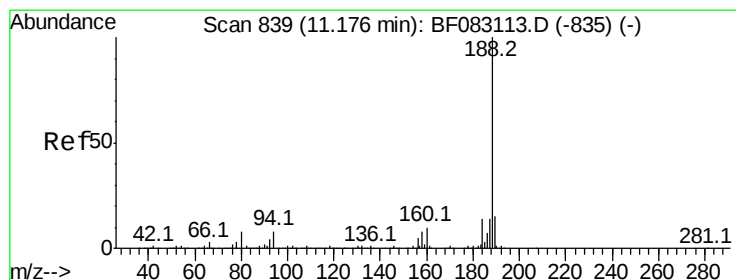
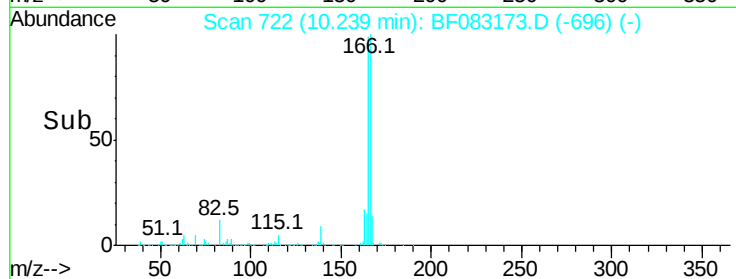
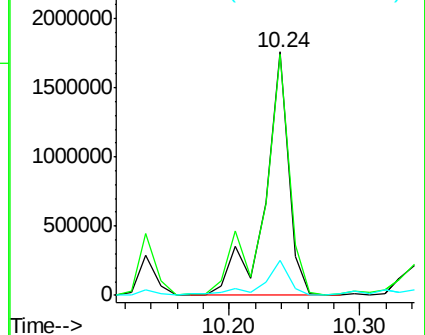
167 14.3 11.3 16.9



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: 20.00 ng

RT: 11.16 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF083173.D

Acq: 22 Nov 2015 22:09

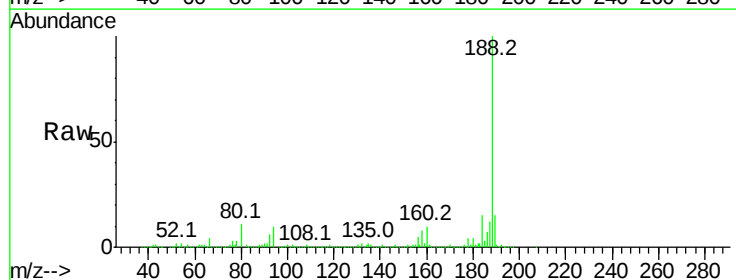
Tgt Ion:188 Resp: 728766

Ion Ratio Lower Upper

188 100

94 9.8 6.0 9.0#

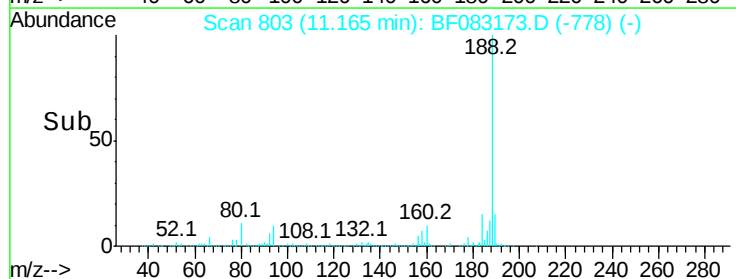
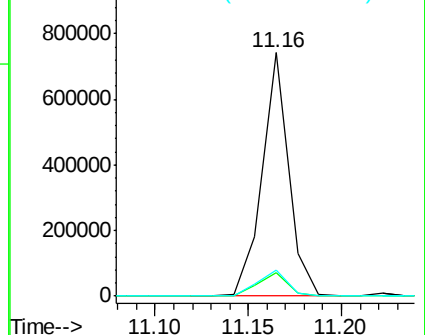
80 10.9 6.7 10.1#

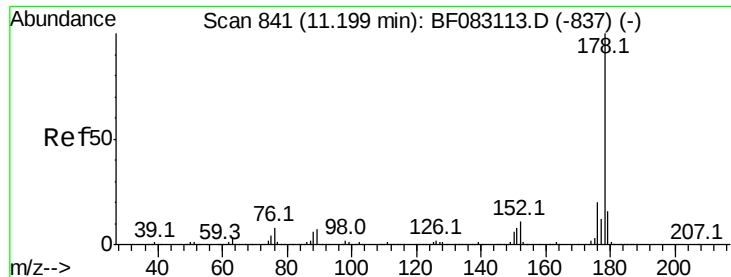


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

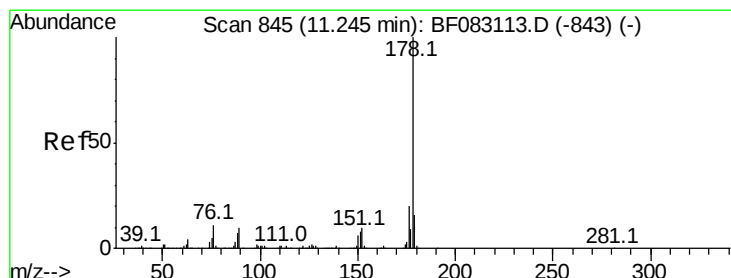
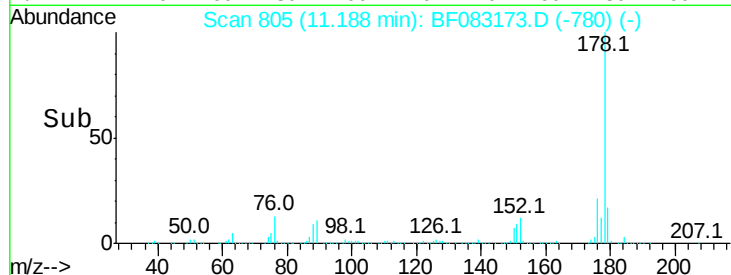
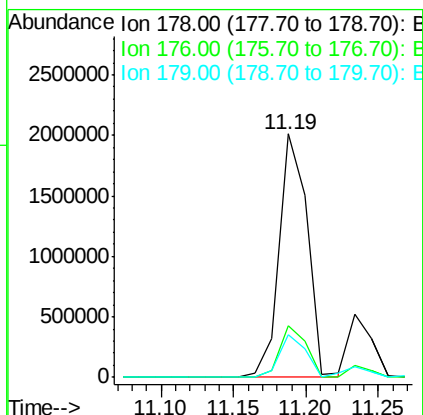
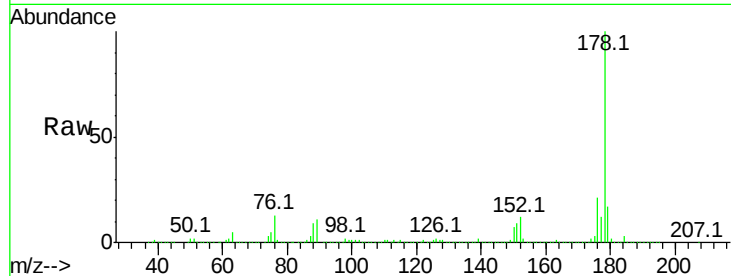




#70
Phenanthrene
Concen: 64.09 ng
RT: 11.19 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF083173.D
Acq: 22 Nov 2015 22:09

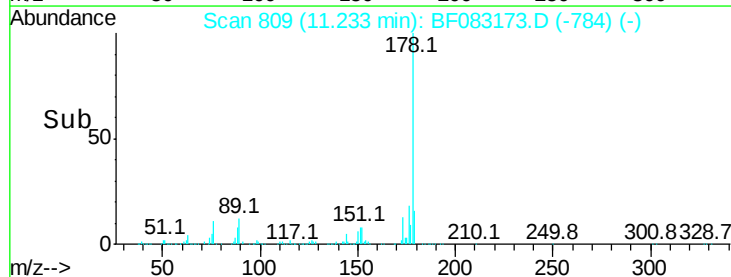
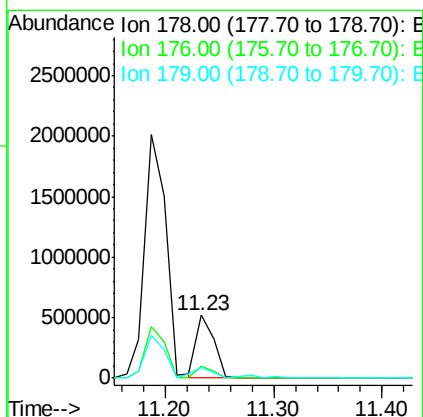
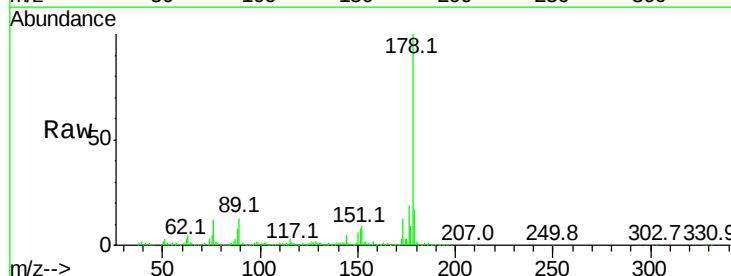
Instrument :
BNA_F
ClientSampleId :
20151110MGP206BRV40

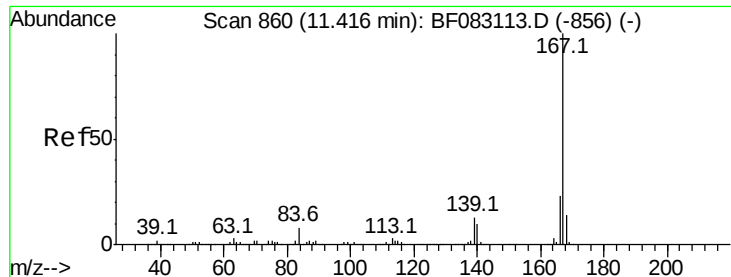
Tot Ion:178 Resp: 2691157
Ion Ratio Lower Upper
178 100
176 21.2 16.2 24.2
179 17.3 12.8 19.2



#71
Anthracene
Concen: 13.98 ng
RT: 11.23 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF083173.D
Acq: 22 Nov 2015 22:09

Tgt Ion:178 Resp: 598831
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 16.9 13.2 19.8

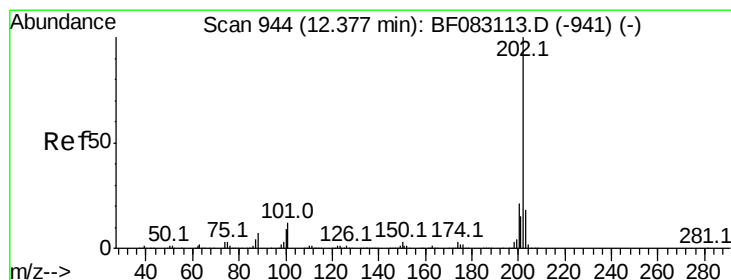
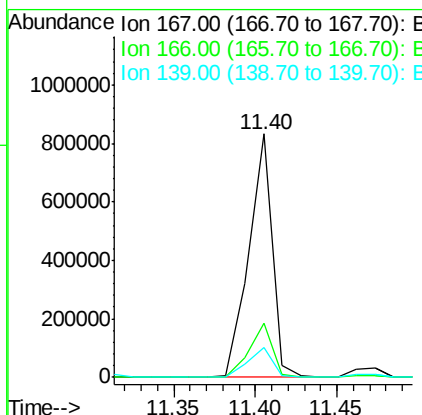
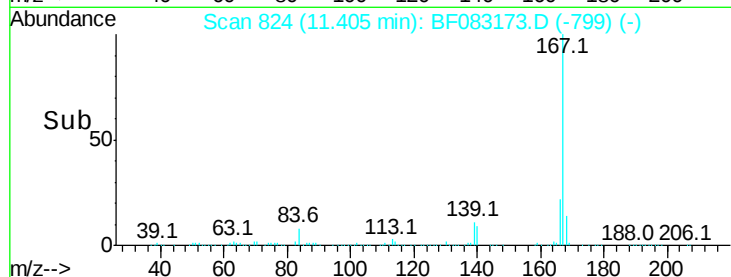
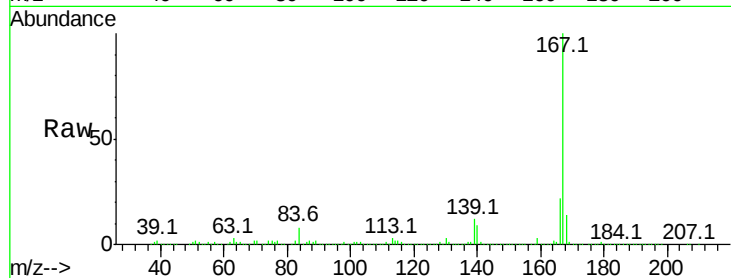




#72
 Carbazole
 Concen: 21.74 ng
 RT: 11.40 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BF083173.D
 Acq: 22 Nov 2015 22:09

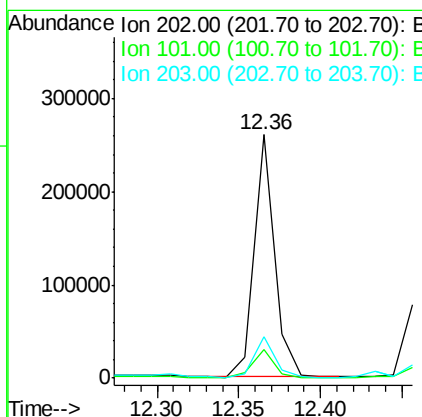
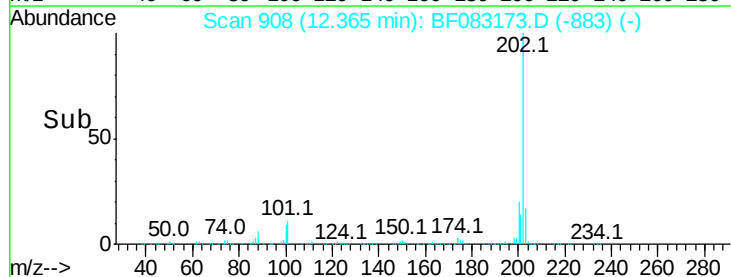
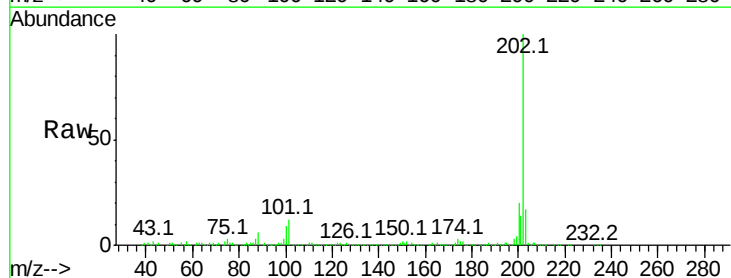
Instrument :
 BNA_F
 ClientSampleId :
 20151110MGP206BRV40

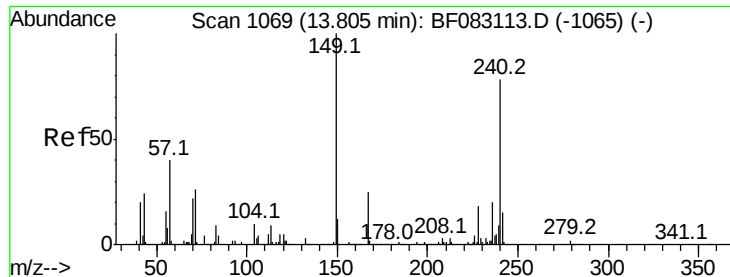
Tot Ion:167 Resp: 827643
 Ion Ratio Lower Upper
 167 100
 166 22.0 18.0 27.0
 139 12.2 10.5 15.7



#74
 Fluoranthene
 Concen: 5.24 ng
 RT: 12.36 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF083173.D
 Acq: 22 Nov 2015 22:09

Tgt Ion:202 Resp: 225334
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 32.3
 203 17.2 0.0 38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.78 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF083173.D

Acq: 22 Nov 2015 22:09

Instrument :

BNA_F

ClientSampleId :

20151110MGP206BRV40

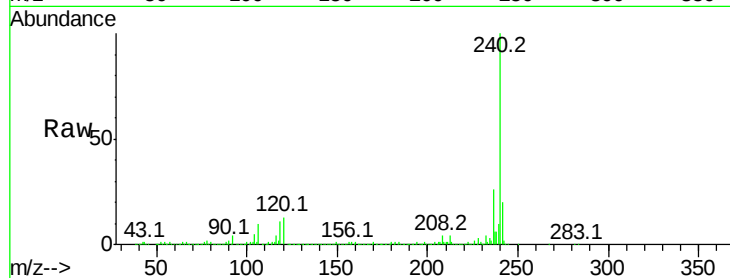
Tot Ion:240 Resp: 616000

Ion Ratio Lower Upper

240 100

120 12.6 5.4 8.2#

236 26.1 20.6 31.0



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

13.78

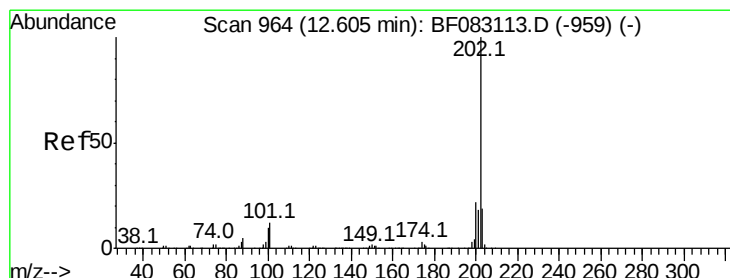
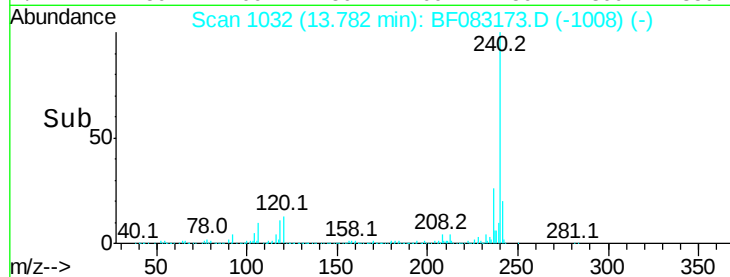
600000

400000

200000

0

Time--> 13.60 13.80 14.00



#77

Pyrene

Concen: 7.45 ng

RT: 12.59 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF083173.D

Acq: 22 Nov 2015 22:09

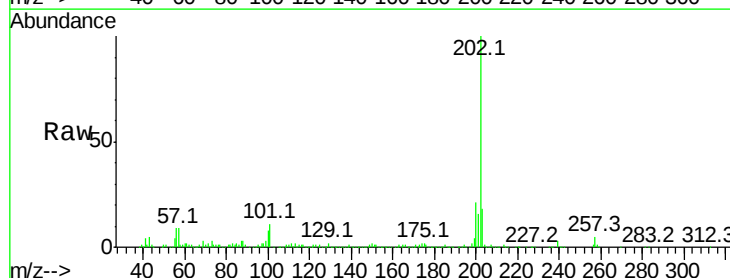
Tgt Ion:202 Resp: 313500

Ion Ratio Lower Upper

202 100

200 20.5 17.8 26.6

203 17.7 15.0 22.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.59

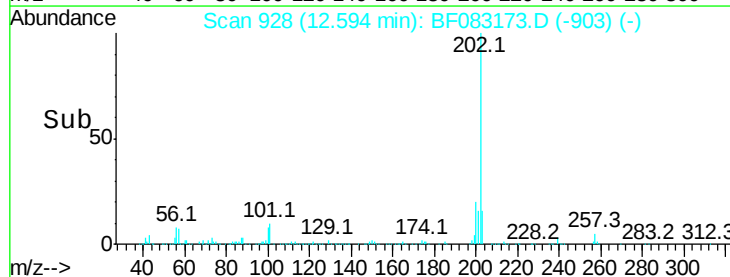
300000

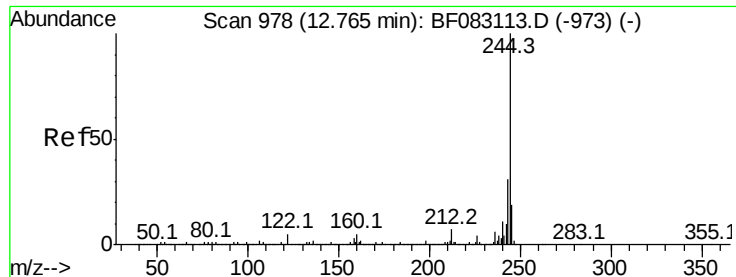
200000

100000

0

Time--> 12.60 12.70





#78

Terphenyl-d14

Concen: 62.96 ng

RT: 12.74 min Scan# 941

Delta R.T. -0.02 min

Lab File: BF083173.D

Acq: 22 Nov 2015 22:09

Instrument :

BNA_F

ClientSampleId :

20151110MGP206BRV40

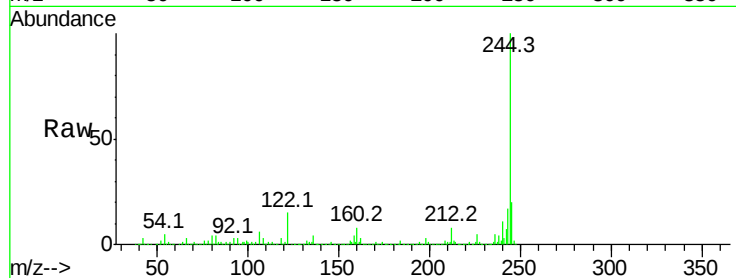
Tot Ion:244 Resp: 1646875

Ion Ratio Lower Upper

244 100

212 7.8 5.4 8.2

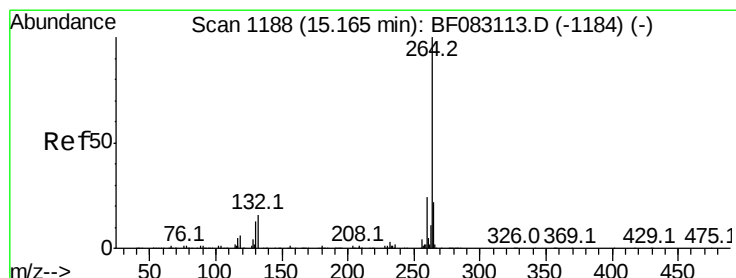
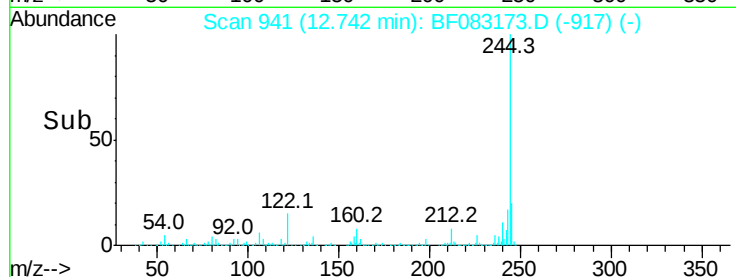
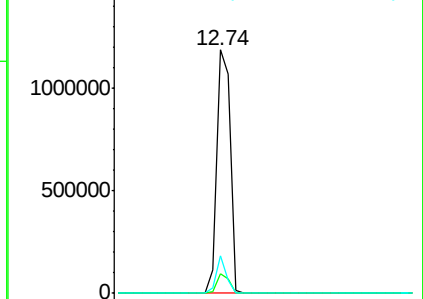
122 15.3 4.3 6.5#



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: 20.00 ng

RT: 15.15 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF083173.D

Acq: 22 Nov 2015 22:09

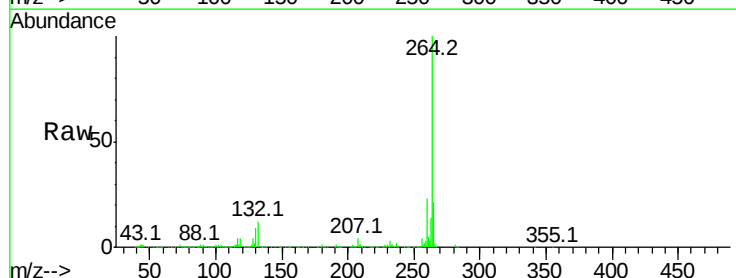
Tgt Ion:264 Resp: 519132

Ion Ratio Lower Upper

264 100

260 22.8 19.1 28.7

265 21.4 18.2 27.4



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

