

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
 Data File : BF081825.D
 Acq On : 26 Sep 2015 13:53
 Operator : UM/IZ
 Sample : G3754-04
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-6B

Quant Time: Sep 28 05:07:56 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 25 06:02:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	124385	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	482244	20.00	ng	-0.01
38) Acenaphthene-d10	9.98	164	219533	20.00	ng	-0.02
63) Phenanthrene-d10	11.47	188	408409	20.00	ng	0.00
75) Chrysene-d12	14.10	240	294827	20.00	ng	-0.01
86) Perylene-d12	15.58	264	255765	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	522424	71.05	ng	-0.01
7) Phenol-d6	6.56	99	699928	75.26	ng	-0.01
23) Nitrobenzene-d5	7.51	82	702137	96.07	ng	-0.01
41) 2,4,6-Tribromophenol	10.77	330	200609	105.25	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	1123045	83.98	ng	-0.01
78) Terphenyl-d14	13.06	244	1119047	86.70	ng	0.00

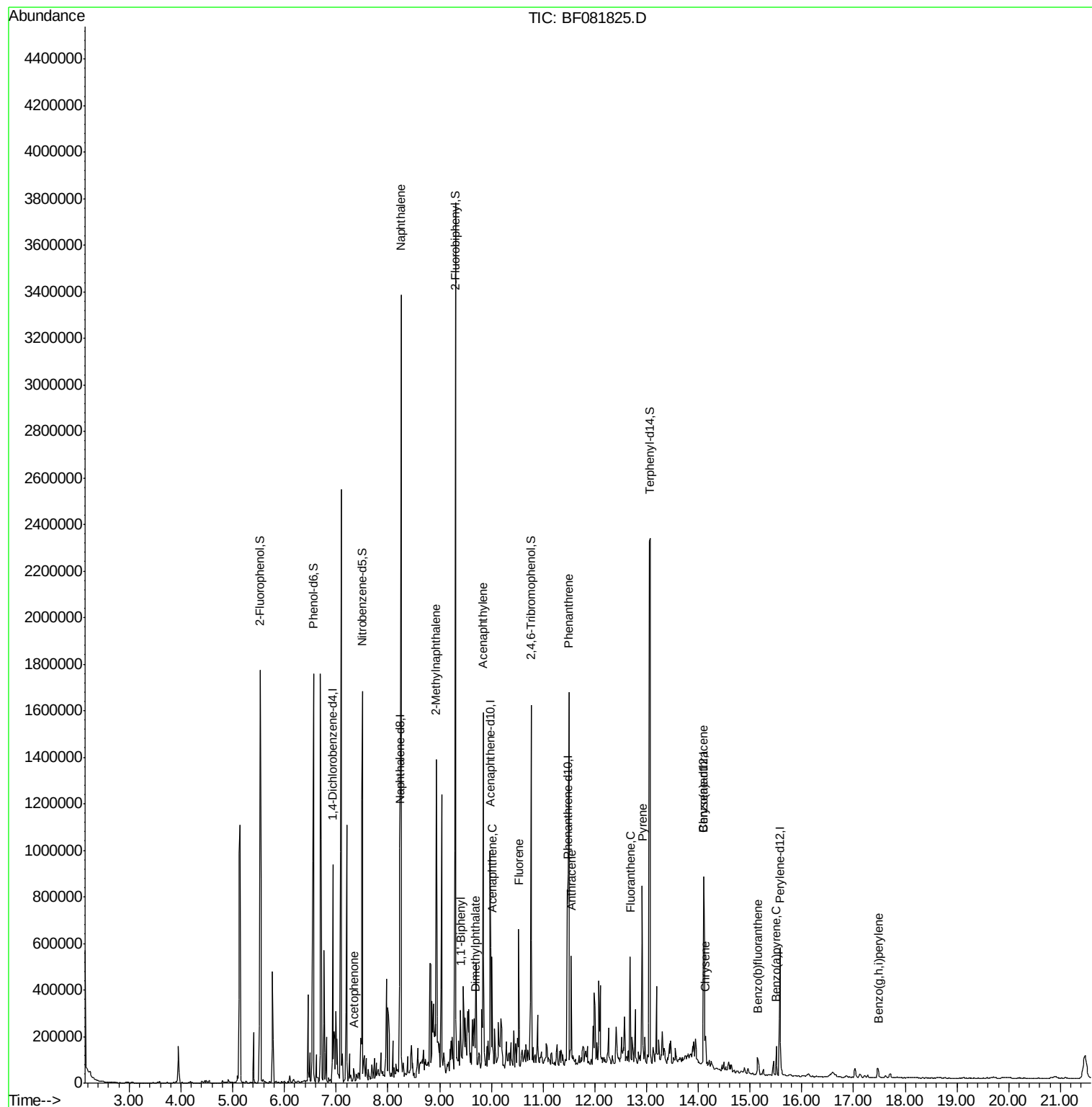
Target Compounds						Qvalue
22) Acetophenone	7.35	105	22149	2.09	ng	# 83
31) Naphthalene	8.25	128	1522806	68.45	ng	95
37) 2-Methylnaphthalene	8.94	142	316564	19.97	ng	# 90
45) 1,1'-Biphenyl	9.41	154	94409	5.50	ng	94
48) Acenaphthylene	9.84	152	686183	29.36	ng	96
49) Dimethylphthalate	9.69	163	36413	2.18	ng	# 96
51) Acenaphthene	10.01	154	75808	5.63	ng	88
57) Fluorene	10.53	166	182376	12.03	ng	92
70) Phenanthrene	11.50	178	739150	31.66	ng	96
71) Anthracene	11.54	178	180086	8.00	ng	98
74) Fluoranthene	12.69	202	291978	12.41	ng	85
77) Pyrene	12.91	202	392288	17.65	ng	96
80) Benzo(a)anthracene	14.10	228	78550	4.39	ng	# 29
82) Chrysene	14.14	228	56540m	3.30	ng	
87) Benzo(b)fluoranthene	15.14	252	52188m	3.44	ng	
89) Benzo(a)pyrene	15.51	252	55841	4.08	ng	# 86
91) Benzo(g,h,i)perylene	17.48	276	40291	2.74	ng	# 76

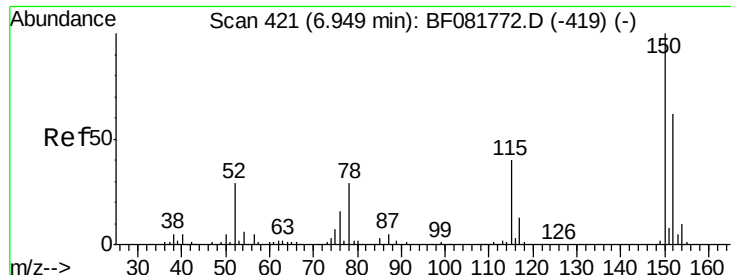
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF081825.D

Acq: 26 Sep 2015 13:53

Instrument :

BNA_F

ClientSampleId :

MW-6B

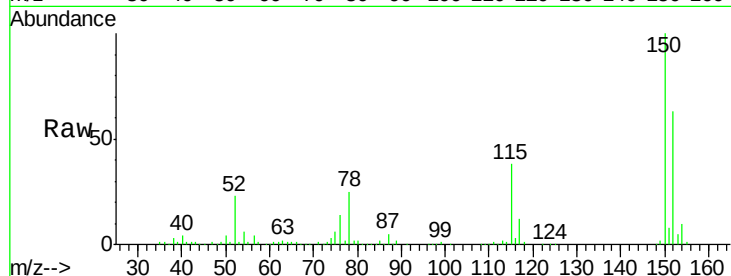
Tgt Ion:152 Resp: 124385

Ion Ratio Lower Upper

152 100

150 158.1 124.7 187.1

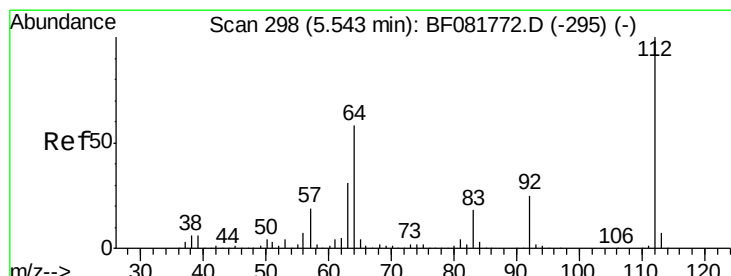
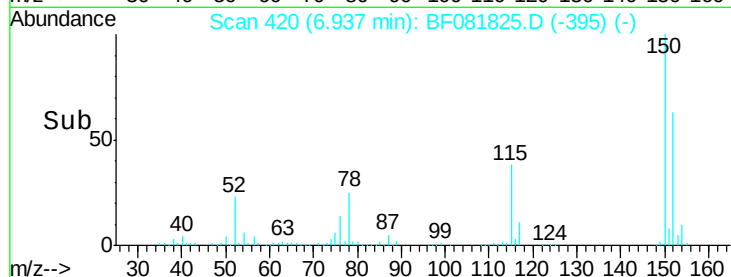
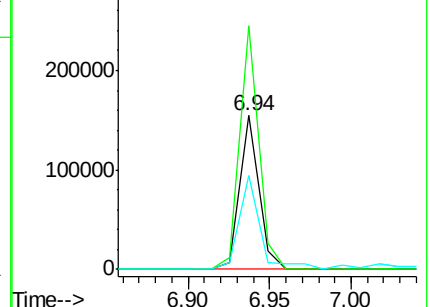
115 60.8 39.0 58.4#



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: 71.05 ng

RT: 5.53 min Scan# 297

Delta R.T. -0.01 min

Lab File: BF081825.D

Acq: 26 Sep 2015 13:53

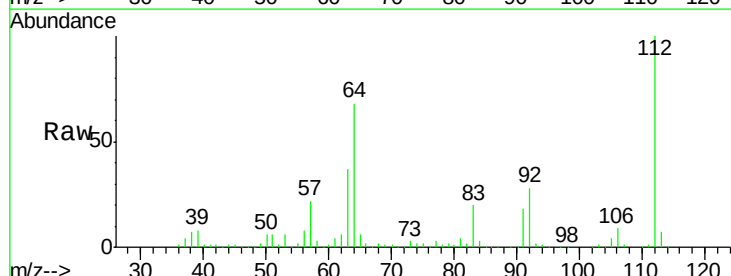
Tgt Ion:112 Resp: 522424

Ion Ratio Lower Upper

112 100

64 68.2 39.7 59.5#

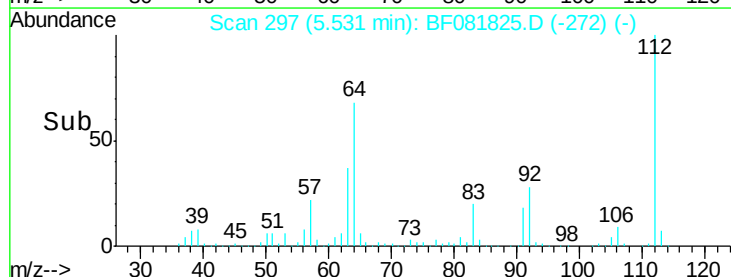
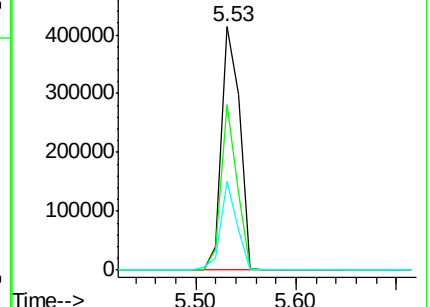
63 36.6 17.4 26.0#

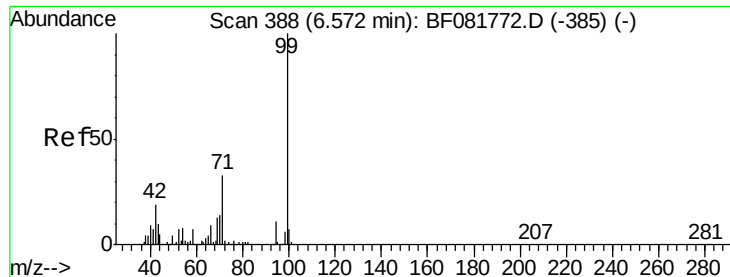


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 75.26 ng

RT: 6.56 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF081825.D

Acq: 26 Sep 2015 13:53

Instrument :

BNA_F

ClientSampleId :

MW-6B

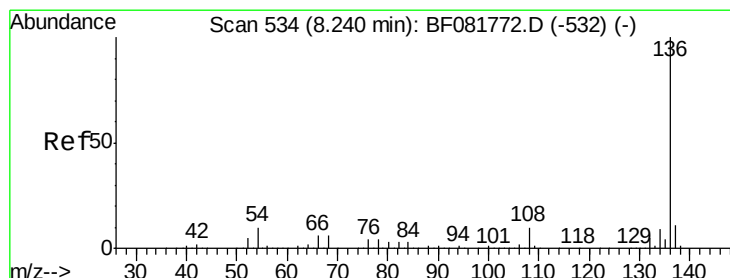
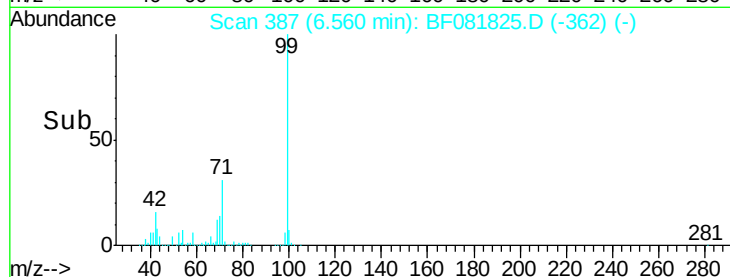
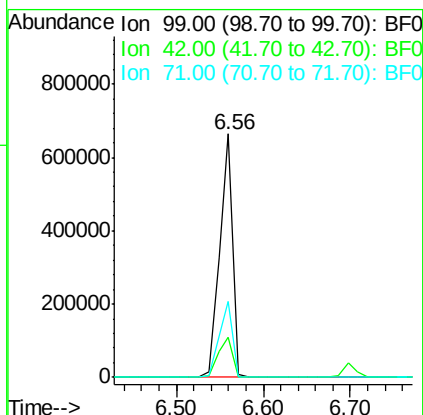
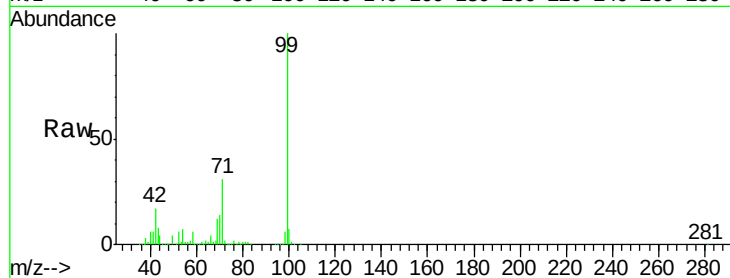
Tgt Ion: 99 Resp: 699928

Ion Ratio Lower Upper

99 100

42 16.5 13.7 20.5

71 31.2 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.23 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF081825.D

Acq: 26 Sep 2015 13:53

Tgt Ion: 136 Resp: 482244

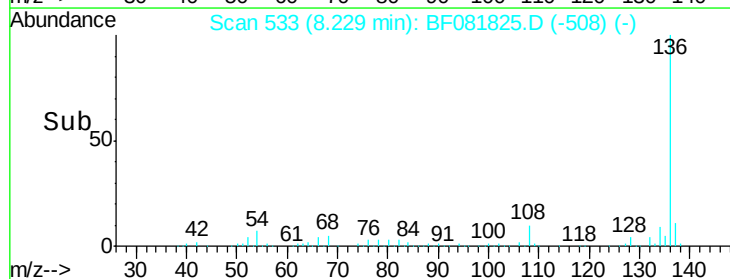
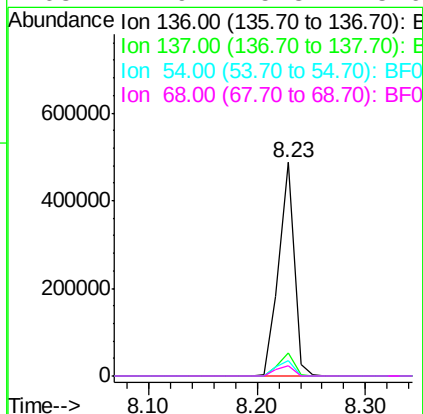
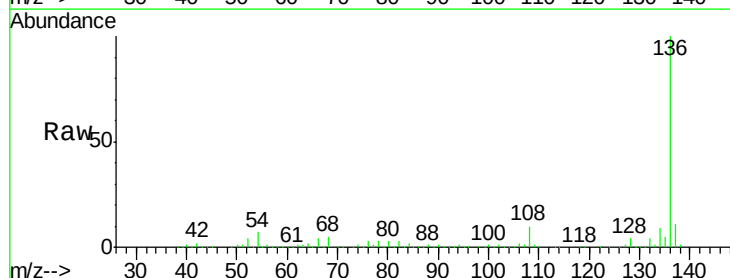
Ion Ratio Lower Upper

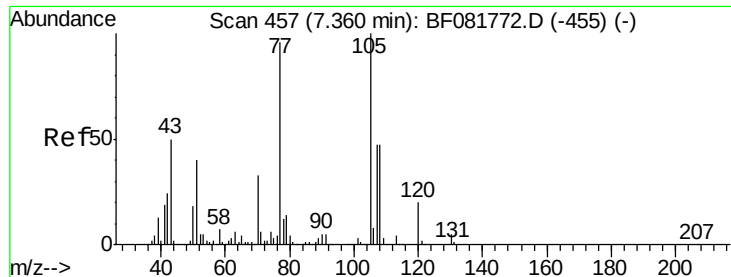
136 100

137 11.0 9.0 13.6

54 7.4 8.2 12.2#

68 4.9 5.8 8.6#





#22

Acetophenone

Concen: 2.09 ng

RT: 7.35 min Scan# 456

Delta R.T. -0.01 min

Lab File: BF081825.D

Acq: 26 Sep 2015 13:53

Instrument :

BNA_F

ClientSampleId :

MW-6B

Tgt Ion:105 Resp: 22149

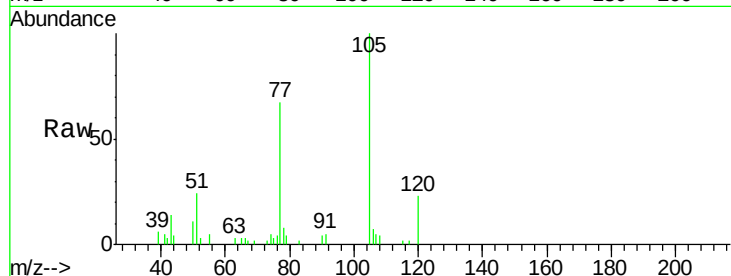
Ion Ratio Lower Upper

105 100

71 0.0 4.7 7.1#

51 24.1 22.0 33.0

120 23.3 30.1 45.1#

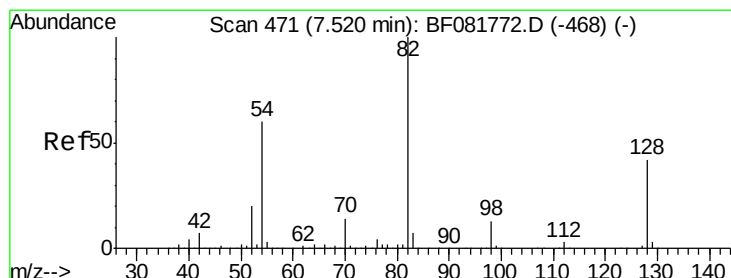
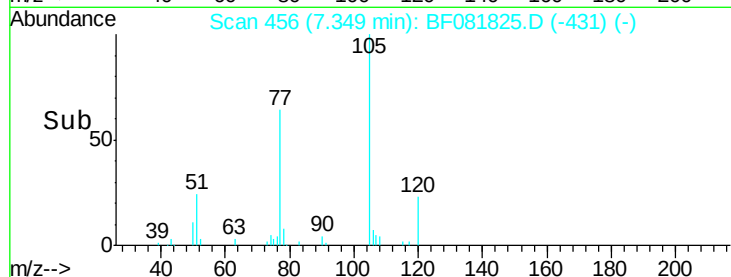
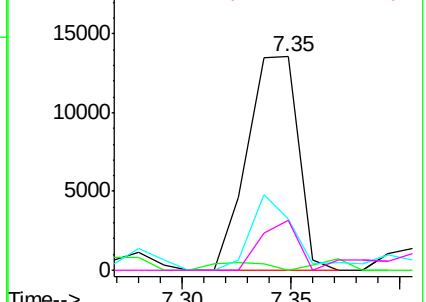


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 96.07 ng

RT: 7.51 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF081825.D

Acq: 26 Sep 2015 13:53

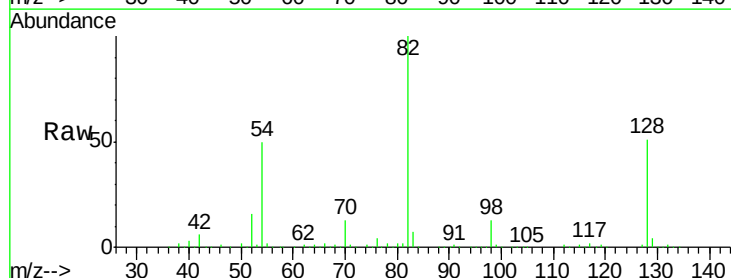
Tgt Ion: 82 Resp: 702137

Ion Ratio Lower Upper

82 100

128 51.1 51.0 76.6

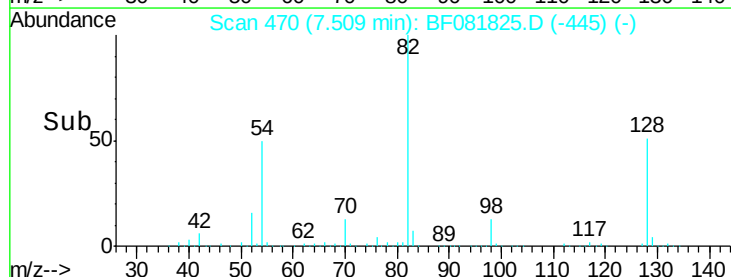
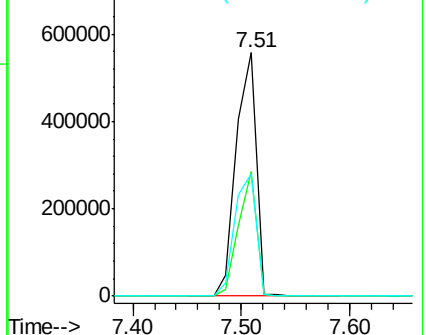
54 49.9 47.5 71.3

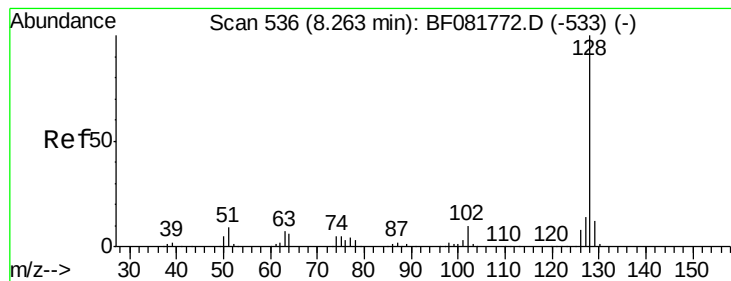


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 68.45 ng

RT: 8.25 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF081825.D

Acq: 26 Sep 2015 13:53

Instrument :

BNA_F

ClientSampleId :

MW-6B

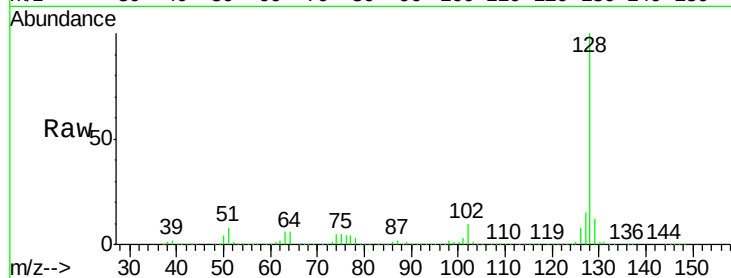
Tgt Ion:128 Resp: 1522806

Ion Ratio Lower Upper

128 100

129 12.0 8.4 12.6

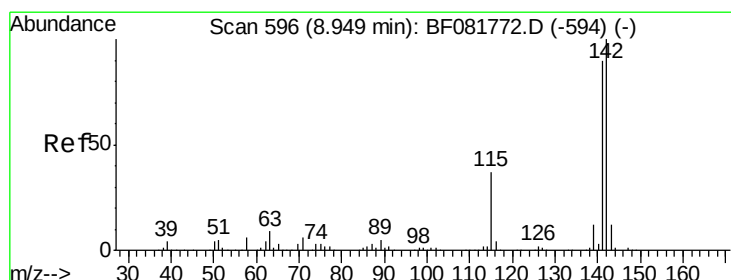
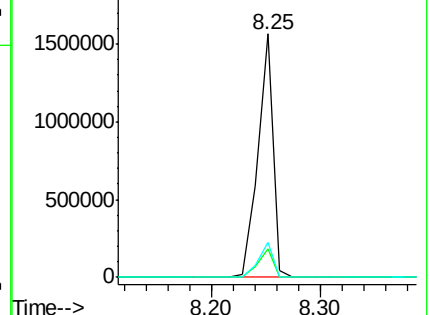
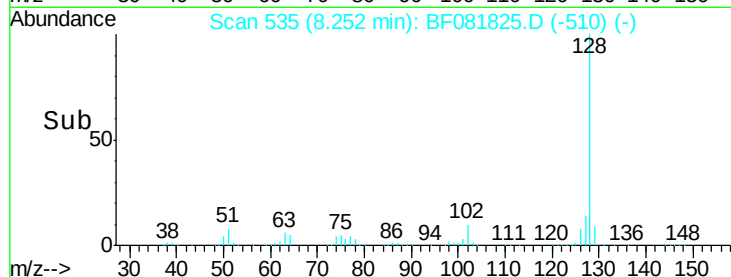
127 14.5 9.9 14.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 19.97 ng

RT: 8.94 min Scan# 595

Delta R.T. -0.01 min

Lab File: BF081825.D

Acq: 26 Sep 2015 13:53

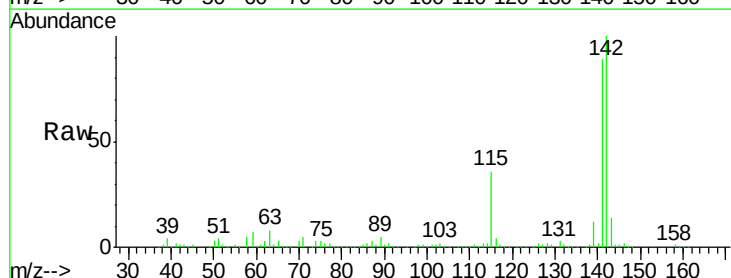
Tgt Ion:142 Resp: 316564

Ion Ratio Lower Upper

142 100

141 89.5 67.5 101.3

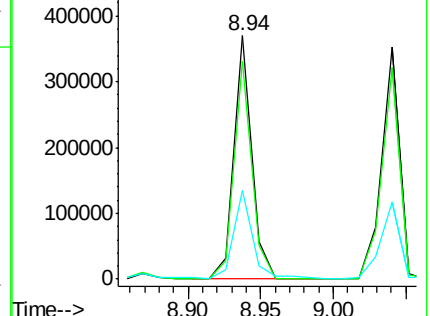
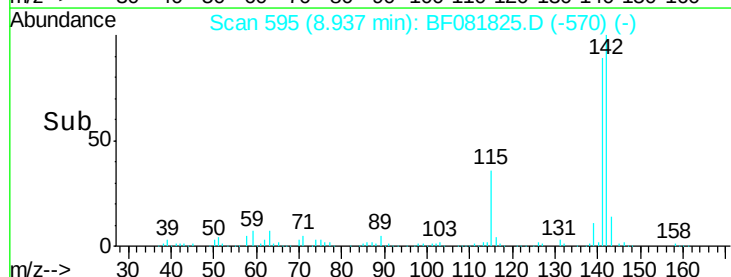
115 36.2 18.2 27.2#

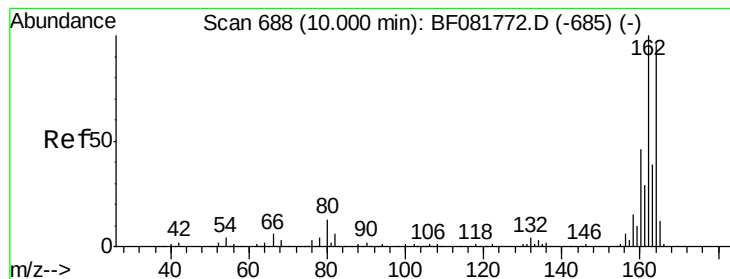


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.98 min Scan# 686

Delta R.T. -0.02 min

Lab File: BF081825.D

Acq: 26 Sep 2015 13:53

Instrument :

BNA_F

ClientSampleId :

MW-6B

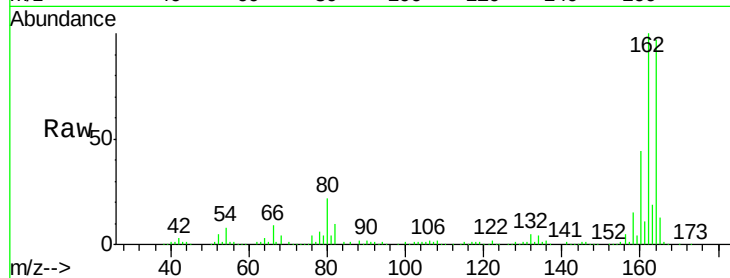
Tgt Ion:164 Resp: 219533

Ion Ratio Lower Upper

164 100

162 102.8 75.2 112.8

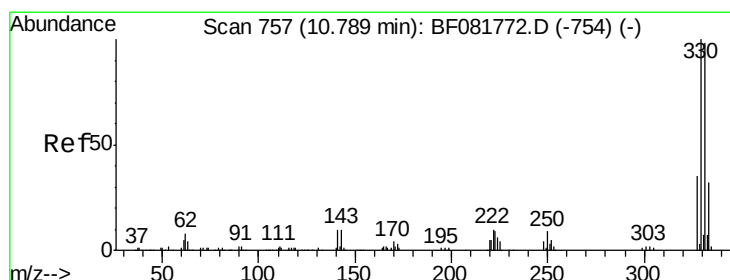
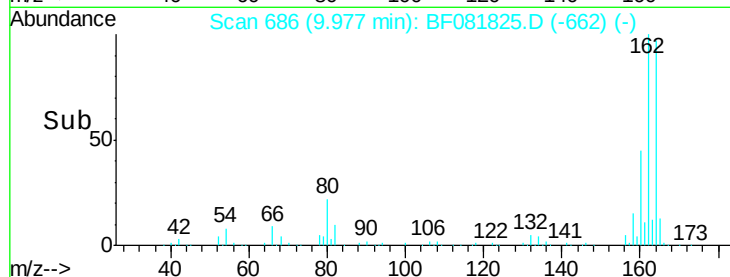
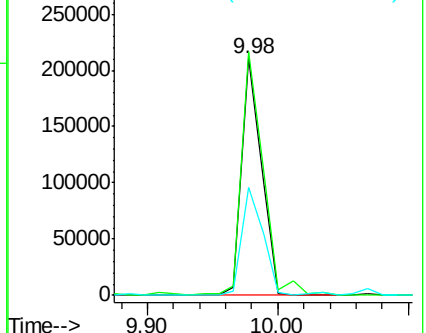
160 45.5 31.5 47.3



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: 105.25 ng

RT: 10.77 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF081825.D

Acq: 26 Sep 2015 13:53

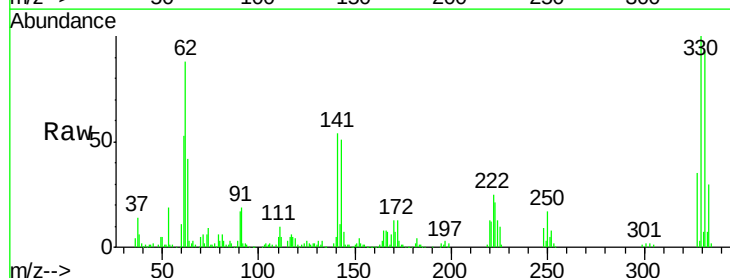
Tgt Ion:330 Resp: 200609

Ion Ratio Lower Upper

330 100

332 94.4 76.6 114.8

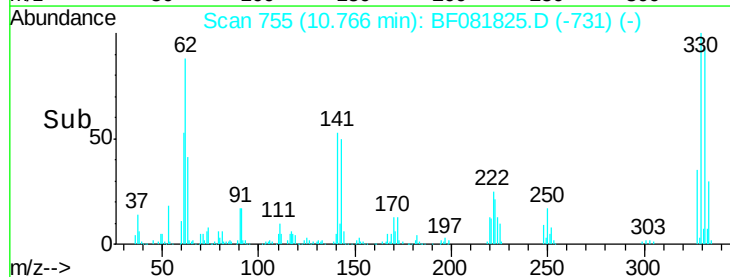
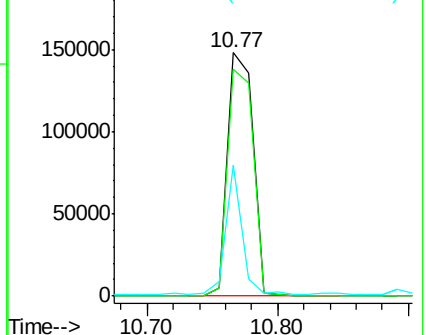
141 35.4 29.7 44.5

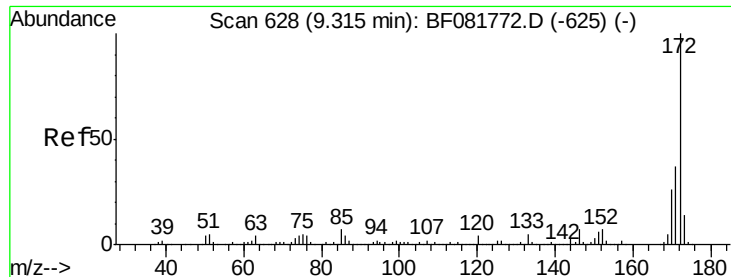


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

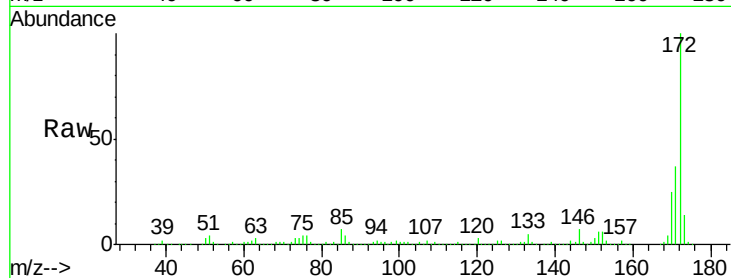




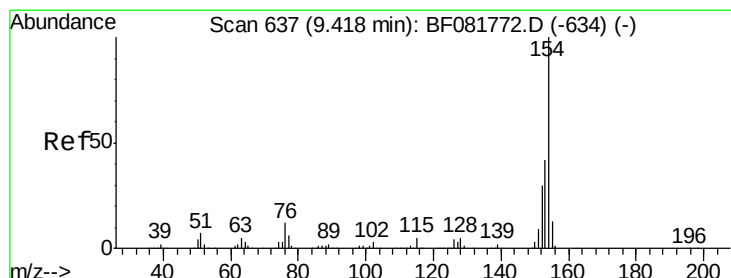
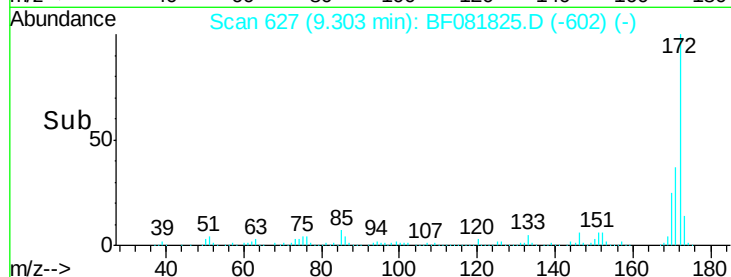
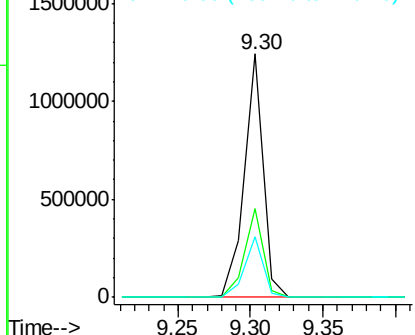
#44
 2-Fluorobiphenyl
 Concen: 83.98 ng
 RT: 9.30 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF081825.D
 Acq: 26 Sep 2015 13:53

Instrument :
 BNA_F
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 MW-6B

Tgt Ion:172 Resp: 1123045
 Ion Ratio Lower Upper
 172 100
 171 36.5 26.1 39.1
 170 25.1 17.4 26.2

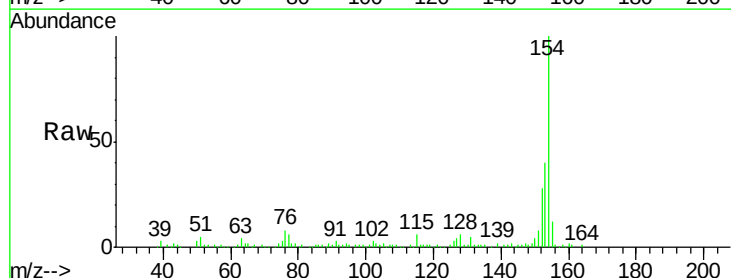


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

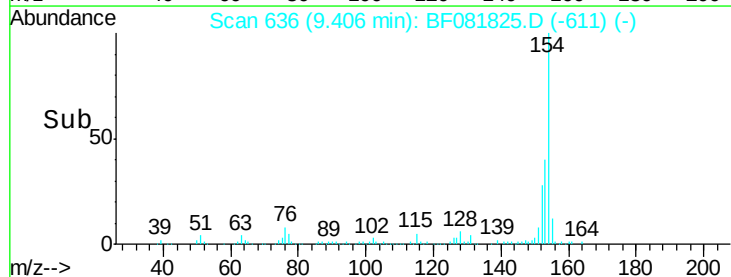
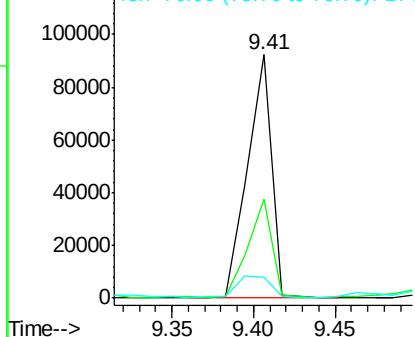


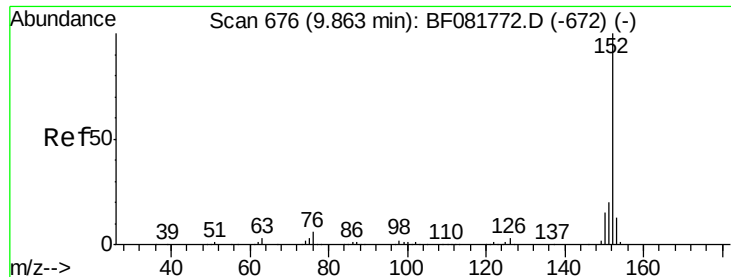
#45
 1,1'-Biphenyl
 Concen: 5.50 ng
 RT: 9.41 min Scan# 636
 Delta R.T. -0.01 min
 Lab File: BF081825.D
 Acq: 26 Sep 2015 13:53

Tgt Ion:154 Resp: 94409
 Ion Ratio Lower Upper
 154 100
 153 40.5 17.1 57.1
 76 8.4 0.0 31.6



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: 29.36 ng

RT: 9.84 min Scan# 674

Delta R.T. -0.02 min

Lab File: BF081825.D

Acq: 26 Sep 2015 13:53

Instrument :

BNA_F

ClientSampleId :

MW-6B

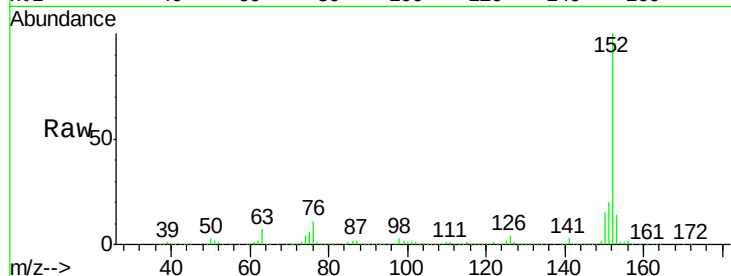
Tgt Ion:152 Resp: 686183

Ion Ratio Lower Upper

152 100

151 20.3 14.6 22.0

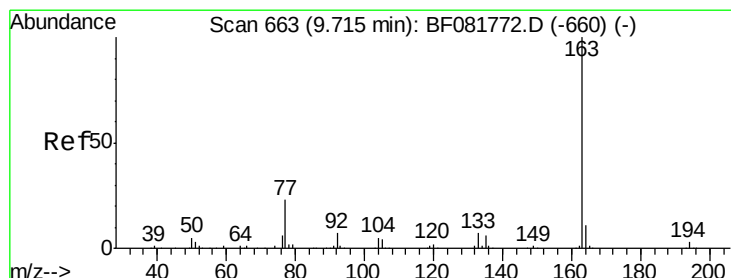
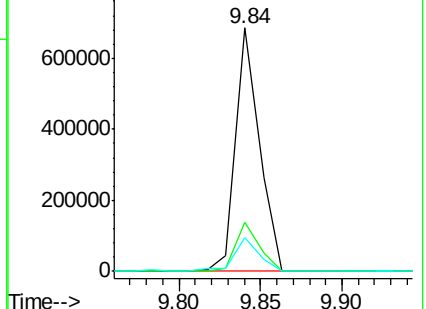
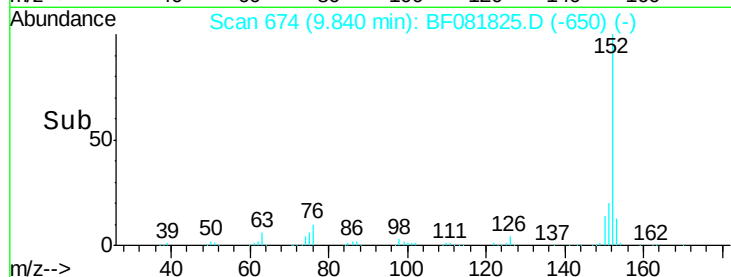
153 13.9 10.3 15.5



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: 2.18 ng

RT: 9.69 min Scan# 661

Delta R.T. -0.02 min

Lab File: BF081825.D

Acq: 26 Sep 2015 13:53

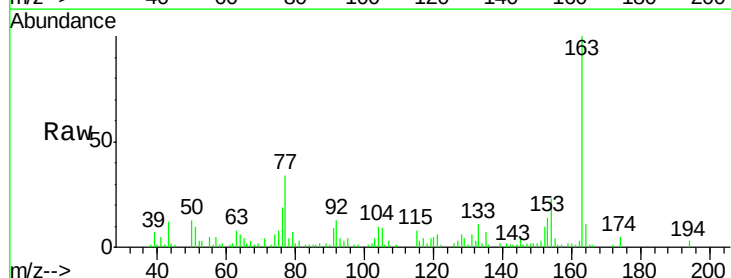
Tgt Ion:163 Resp: 36413

Ion Ratio Lower Upper

163 100

194 3.2 4.4 6.6#

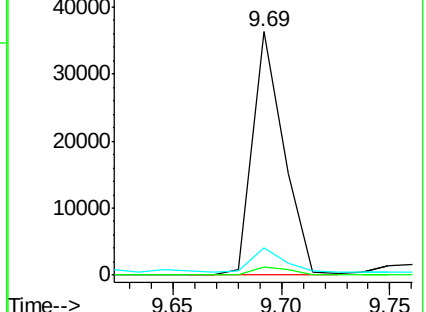
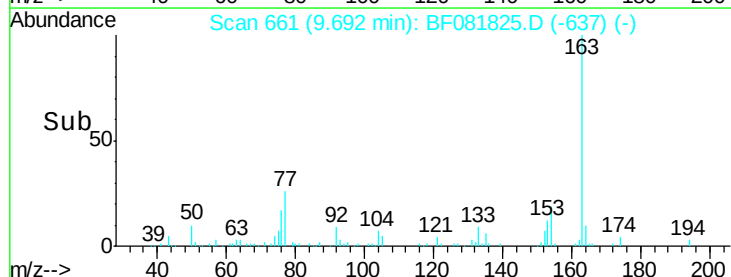
164 11.4 8.3 12.5

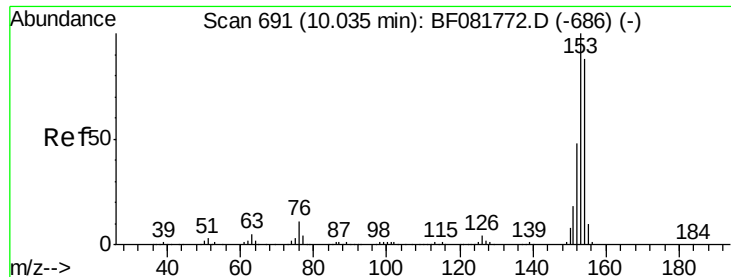


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 5.63 ng

RT: 10.01 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF081825.D

Acq: 26 Sep 2015 13:53

Instrument :

BNA_F

ClientSampleId :

MW-6B

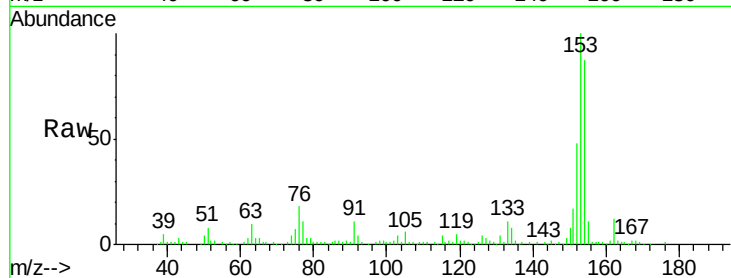
Tgt Ion:154 Resp: 75808

Ion Ratio Lower Upper

154 100

153 114.6 82.1 123.1

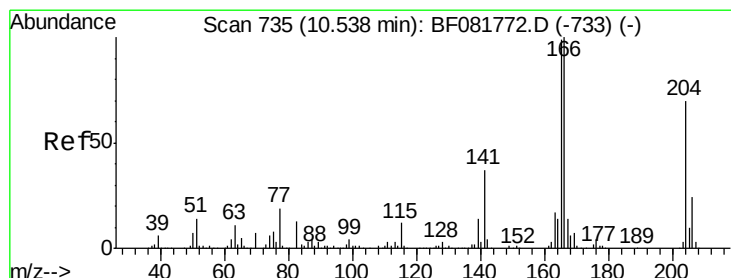
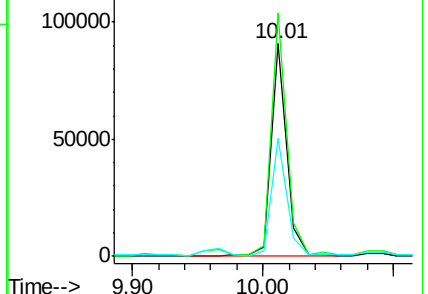
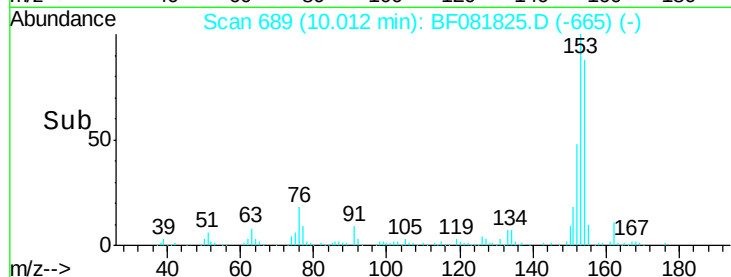
152 55.5 37.9 56.9



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



#57

Fluorene

Concen: 12.03 ng

RT: 10.53 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF081825.D

Acq: 26 Sep 2015 13:53

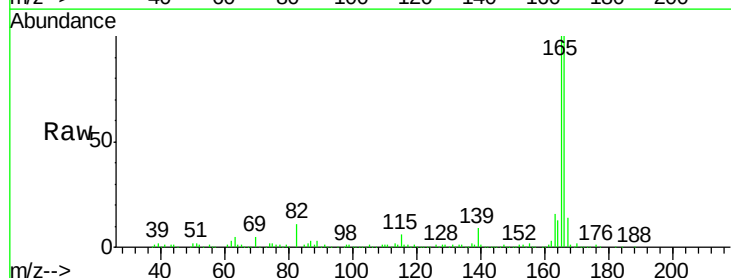
Tgt Ion:166 Resp: 182376

Ion Ratio Lower Upper

166 100

165 99.5 72.6 109.0

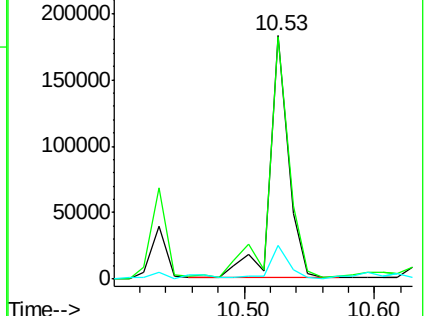
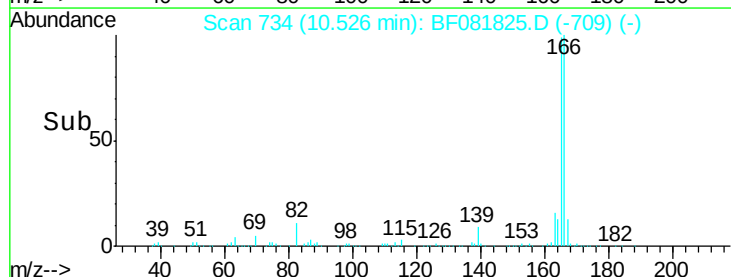
167 13.8 10.6 16.0

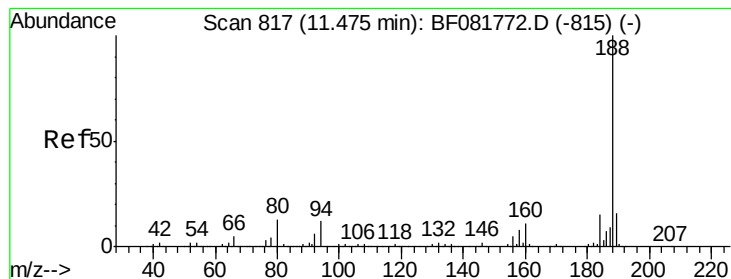


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.47 min Scan# 817

Delta R.T. -0.00 min

Lab File: BF081825.D

Acq: 26 Sep 2015 13:53

Instrument :

BNA_F

ClientSampleId :

MW-6B

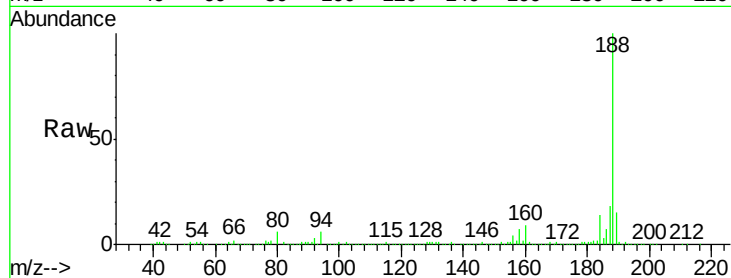
Tgt Ion:188 Resp: 408409

Ion Ratio Lower Upper

188 100

94 5.6 11.1 16.7#

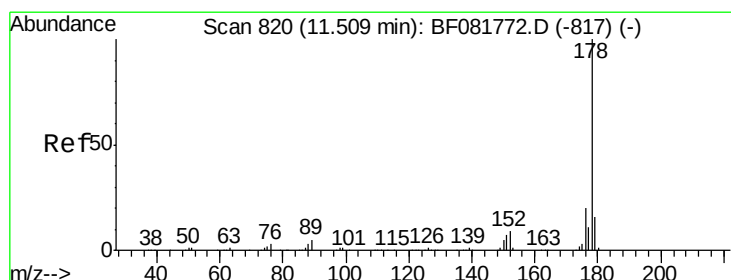
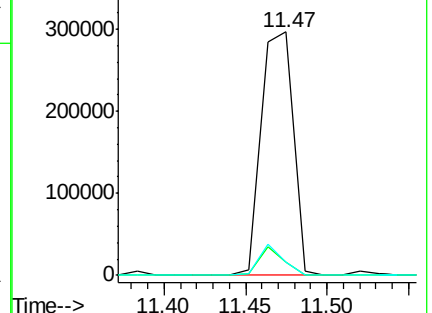
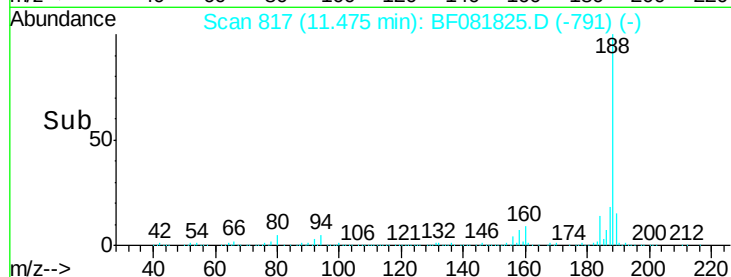
80 5.6 11.0 16.4#



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: 31.66 ng

RT: 11.50 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF081825.D

Acq: 26 Sep 2015 13:53

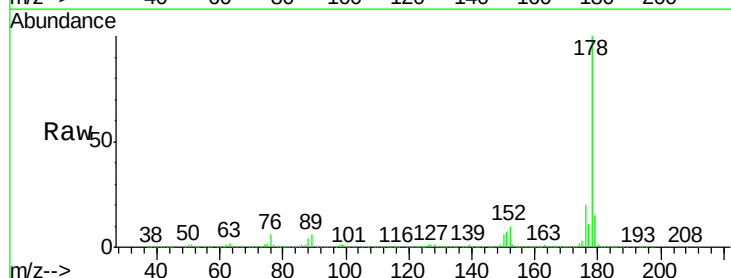
Tgt Ion:178 Resp: 739150

Ion Ratio Lower Upper

178 100

176 19.9 13.8 20.8

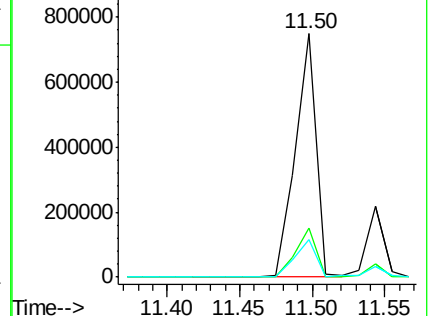
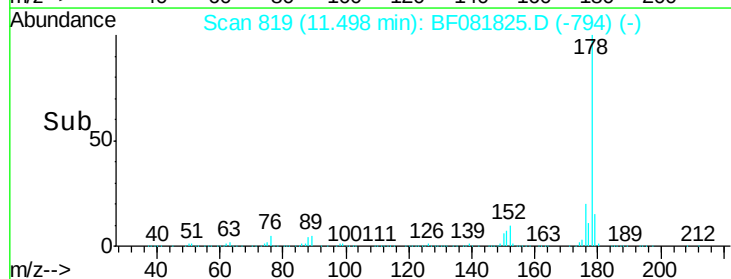
179 15.4 12.2 18.2

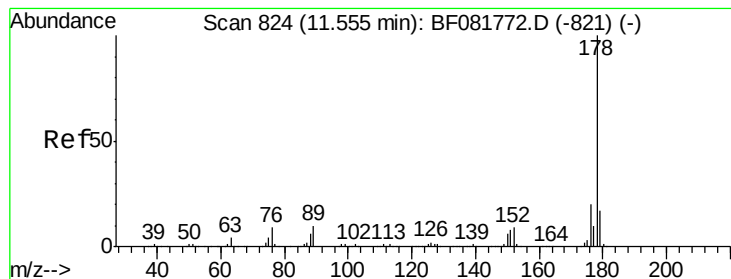


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 8.00 ng

RT: 11.54 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF081825.D

Acq: 26 Sep 2015 13:53

Instrument :

BNA_F

ClientSampleId :

MW-6B

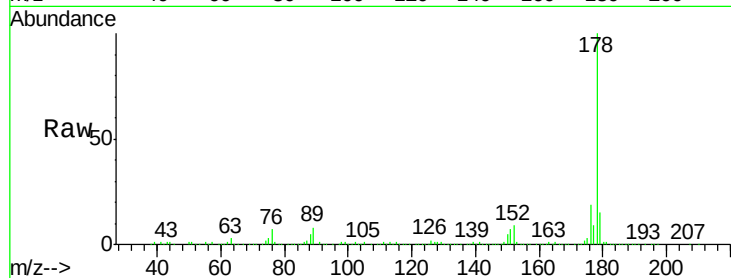
Tgt Ion:178 Resp: 180086

Ion Ratio Lower Upper

178 100

176 19.0 14.1 21.1

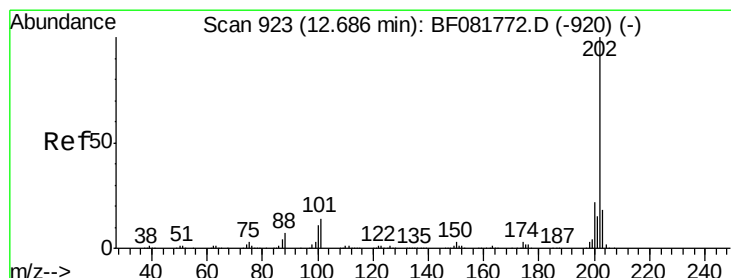
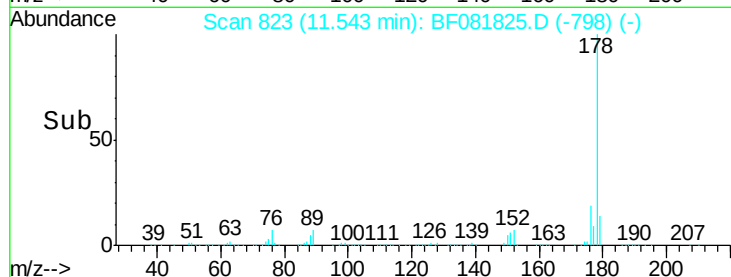
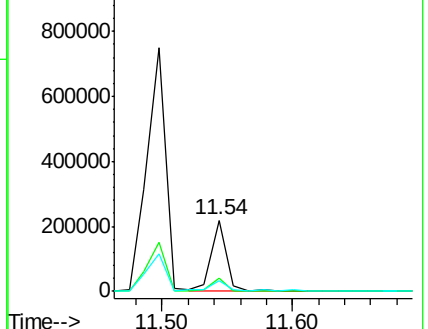
179 15.3 12.2 18.2



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



#74

Fluoranthene

Concen: 12.41 ng

RT: 12.69 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF081825.D

Acq: 26 Sep 2015 13:53

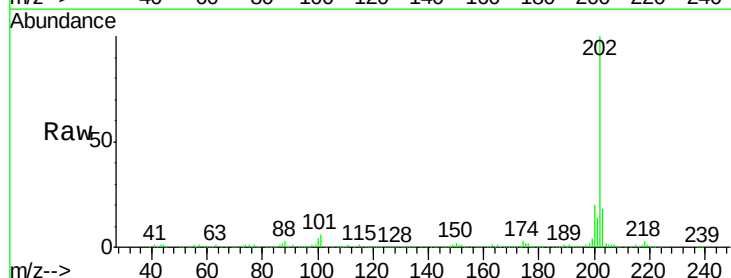
Tgt Ion:202 Resp: 291978

Ion Ratio Lower Upper

202 100

101 6.0 0.0 38.3

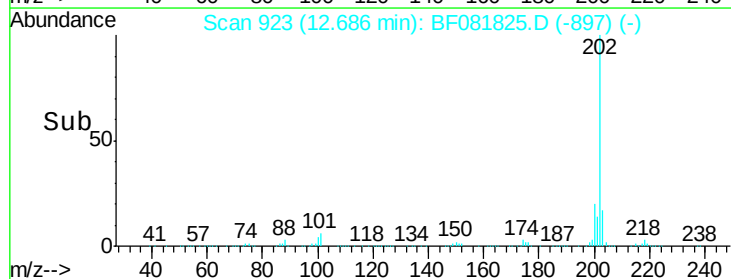
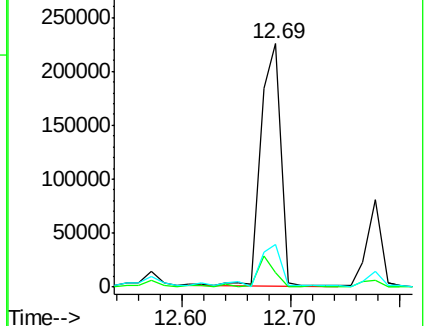
203 17.6 0.0 37.3

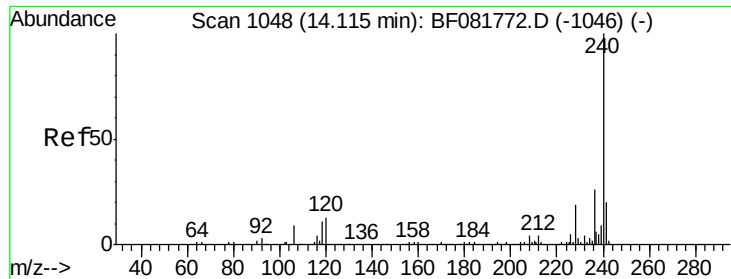


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.10 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF081825.D

Acq: 26 Sep 2015 13:53

Instrument :

BNA_F

ClientSampled :

MW-6B

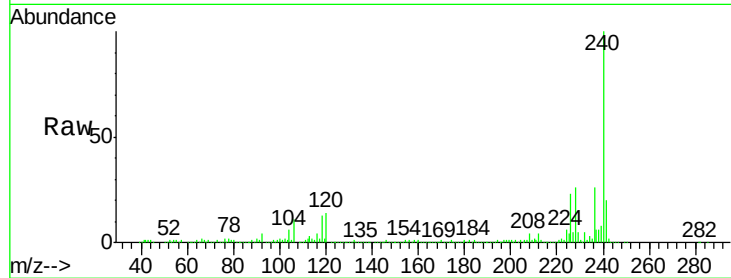
Tgt Ion:240 Resp: 294827

Ion Ratio Lower Upper

240 100

120 14.4 16.2 24.2#

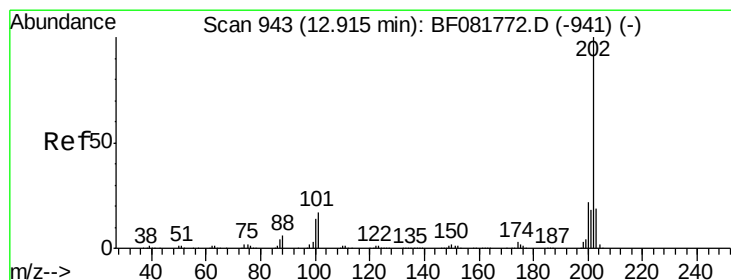
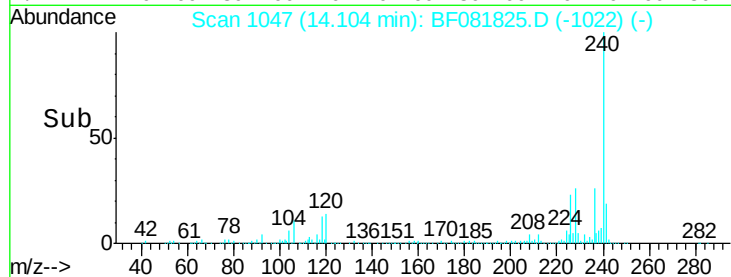
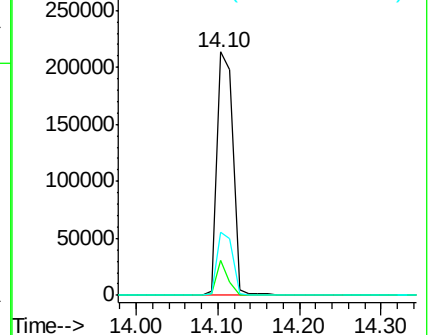
236 25.9 18.4 27.6



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



#77

Pyrene

Concen: 17.65 ng

RT: 12.91 min Scan# 943

Delta R.T. -0.00 min

Lab File: BF081825.D

Acq: 26 Sep 2015 13:53

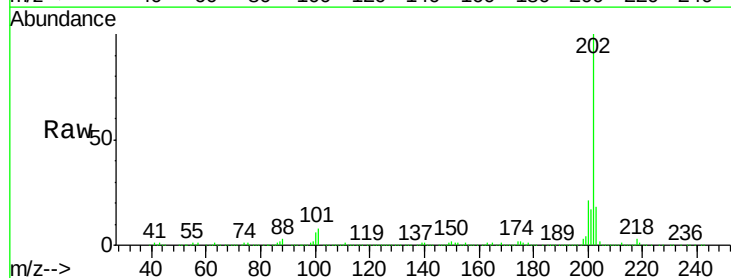
Tgt Ion:202 Resp: 392288

Ion Ratio Lower Upper

202 100

200 21.3 15.0 22.4

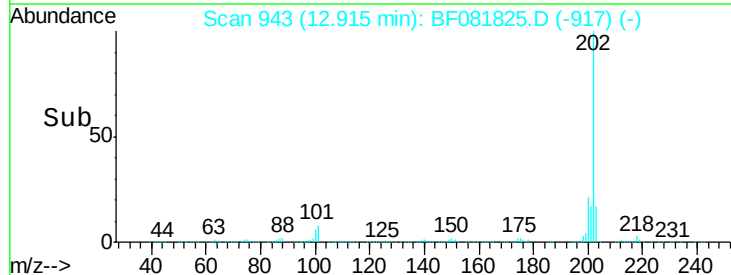
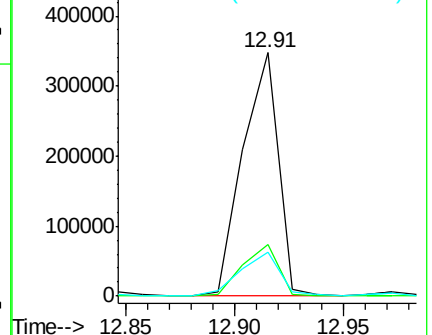
203 18.1 14.1 21.1

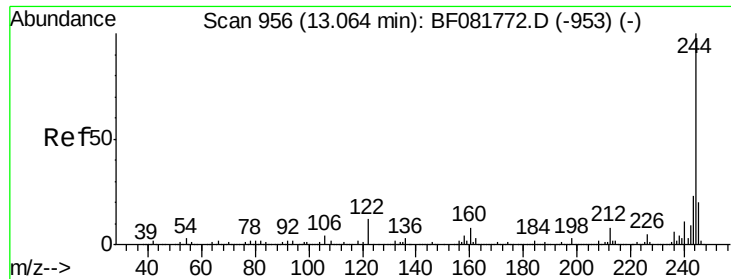


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

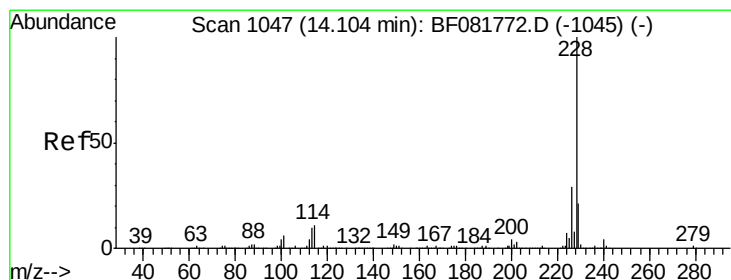
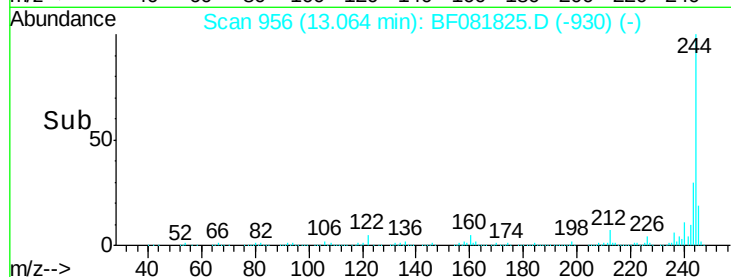
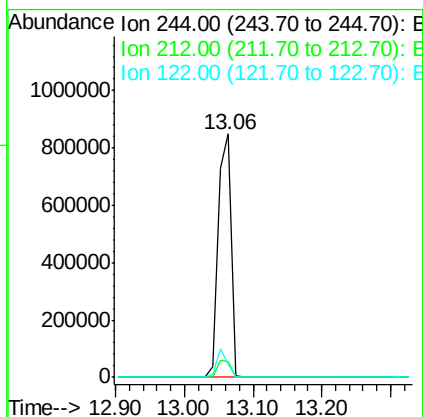
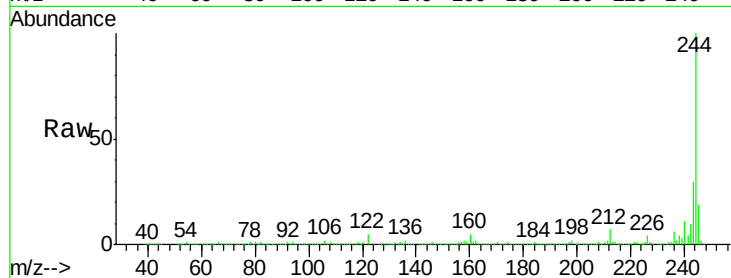




#78
 Terphenyl-d14
 Concen: 86.70 ng
 RT: 13.06 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: BF081825.D
 Acq: 26 Sep 2015 13:53

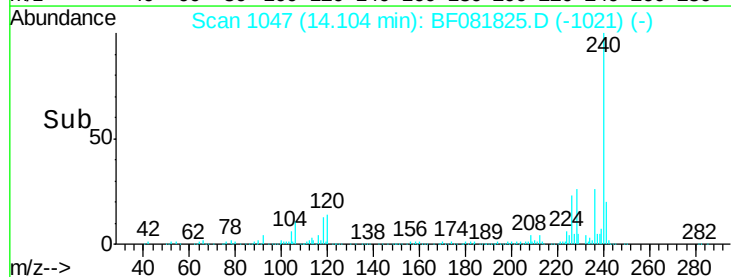
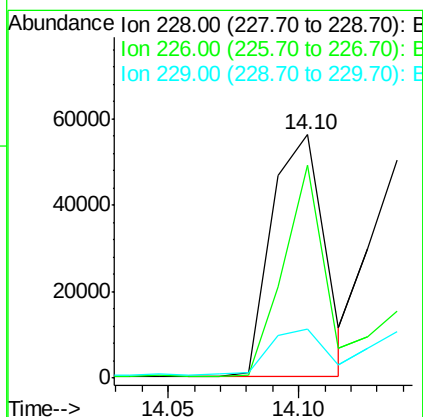
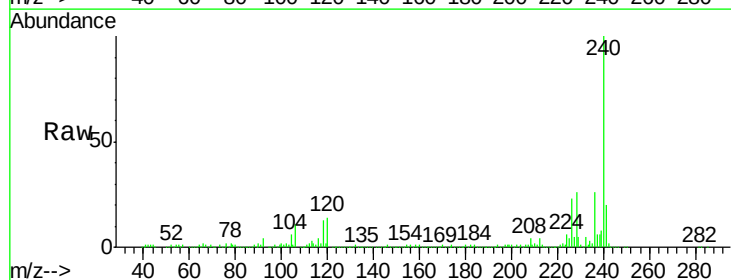
Instrument :
 BNA_F
 ClientSampled :
 MW-6B

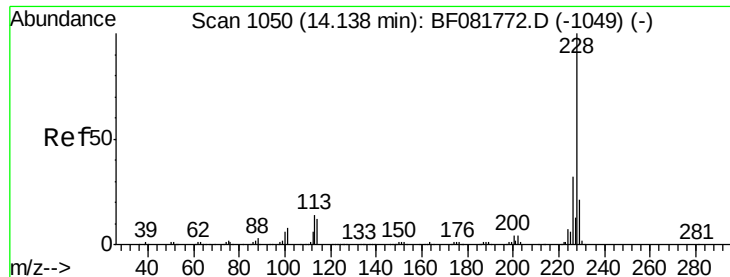
Tgt Ion:244 Resp: 1119047
 Ion Ratio Lower Upper
 244 100
 212 6.6 4.3 6.5#
 122 5.2 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 4.39 ng
 RT: 14.10 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: BF081825.D
 Acq: 26 Sep 2015 13:53

Tgt Ion:228 Resp: 78550
 Ion Ratio Lower Upper
 228 100
 226 87.4 20.0 30.0#
 229 20.1 15.4 23.2





#82

Chrysene

Concen: 3.30 ng m

RT: 14.14 min Scan# 1050

Delta R.T. -0.00 min

Lab File: BF081825.D

Acq: 26 Sep 2015 13:53

Instrument :

BNA_F

ClientSampleId :

MW-6B

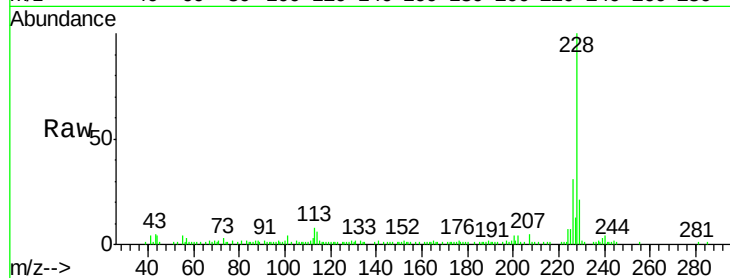
Tgt Ion:228 Resp: 56540

Ion Ratio Lower Upper

228 100

226 30.6 21.0 31.4

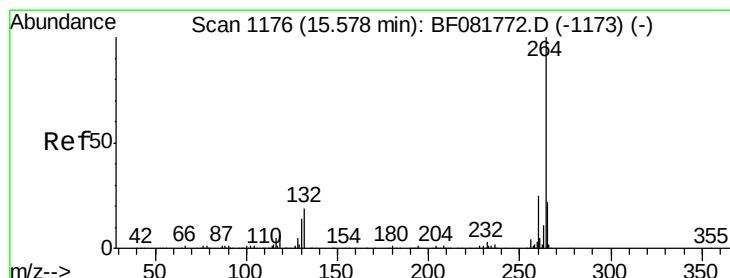
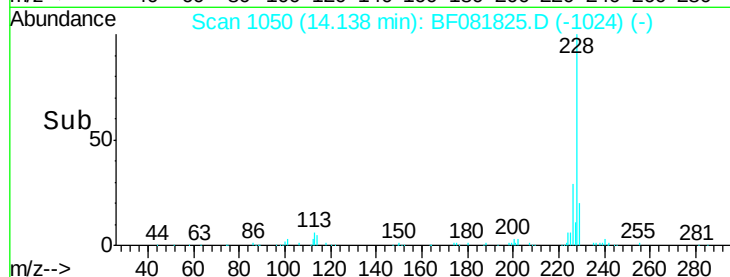
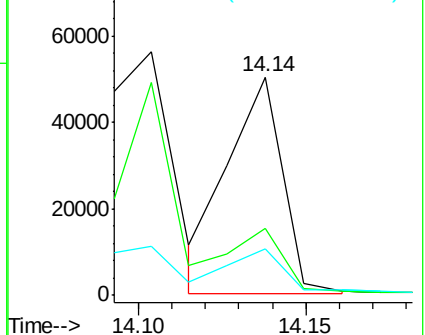
229 21.3 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.58 min Scan# 1176

Delta R.T. -0.00 min

Lab File: BF081825.D

Acq: 26 Sep 2015 13:53

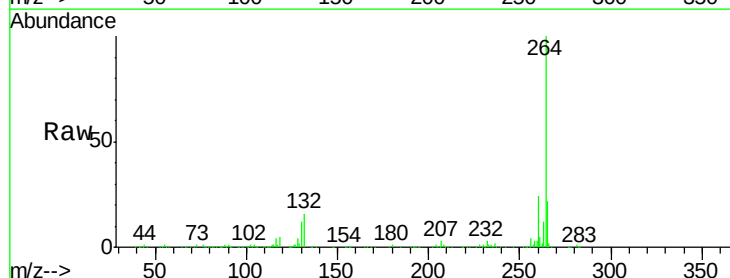
Tgt Ion:264 Resp: 255765

Ion Ratio Lower Upper

264 100

260 24.3 16.7 25.1

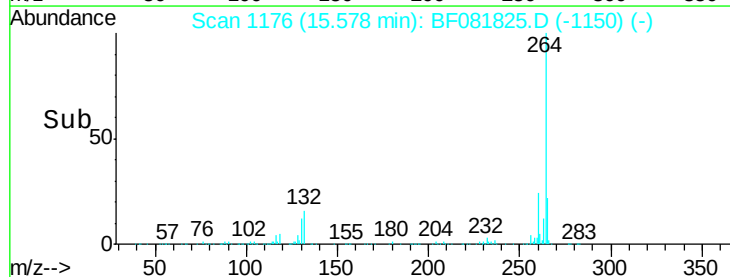
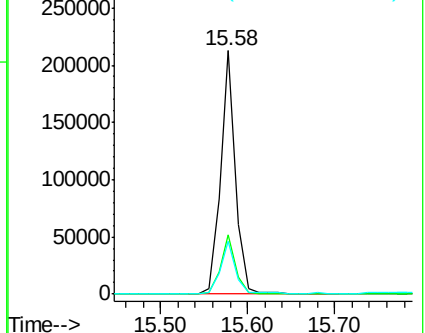
265 21.8 17.2 25.8

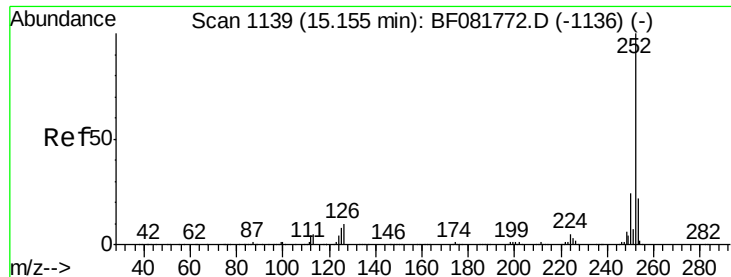


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

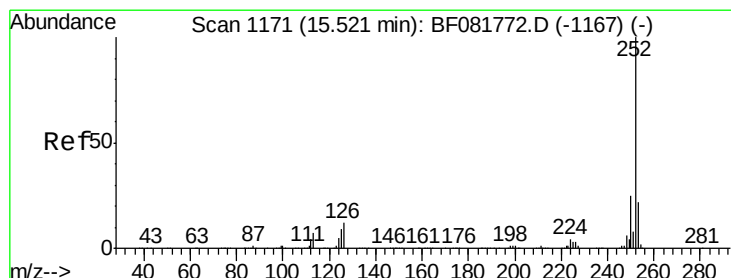
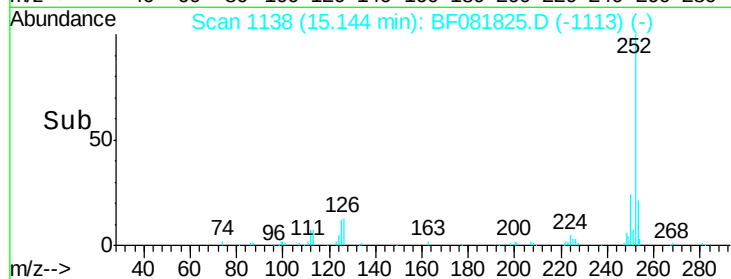
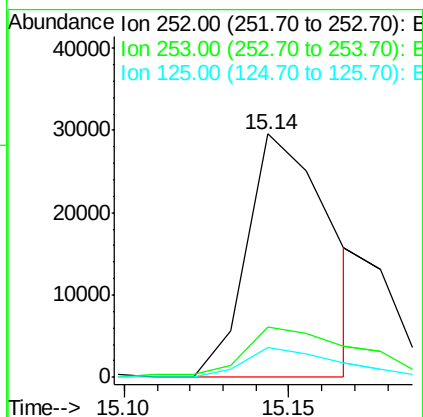
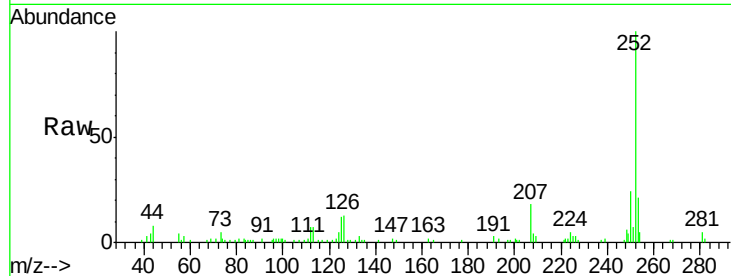




#87
Benzo(b)fluoranthene
Concen: 3.44 ng m
RT: 15.14 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF081825.D
Acq: 26 Sep 2015 13:53

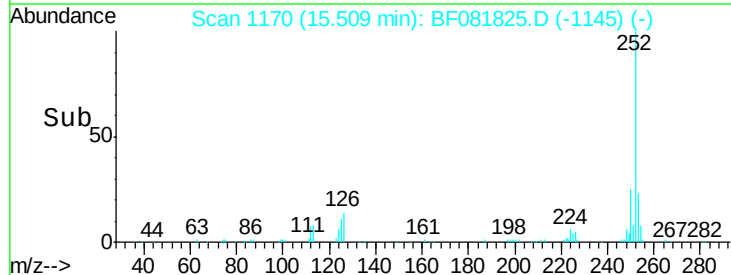
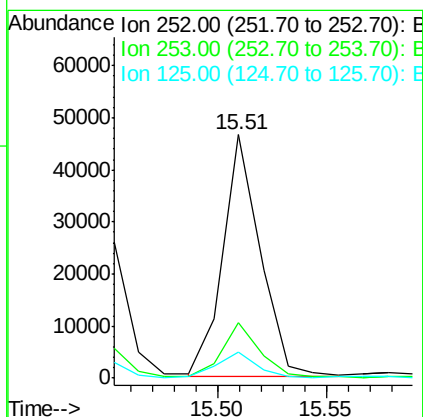
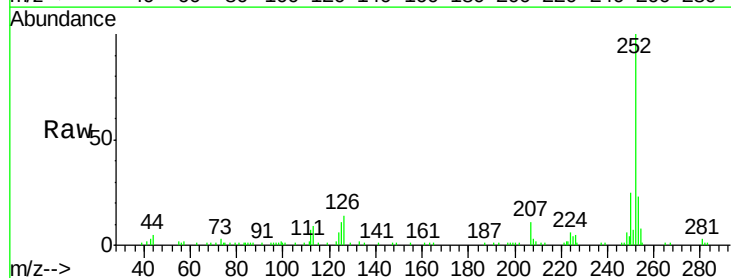
Instrument :
BNA_F
ClientSampleId :
MW-6B

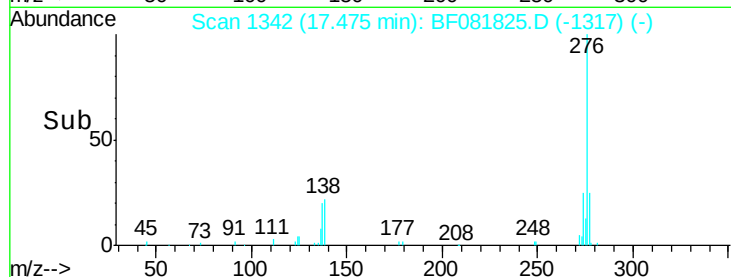
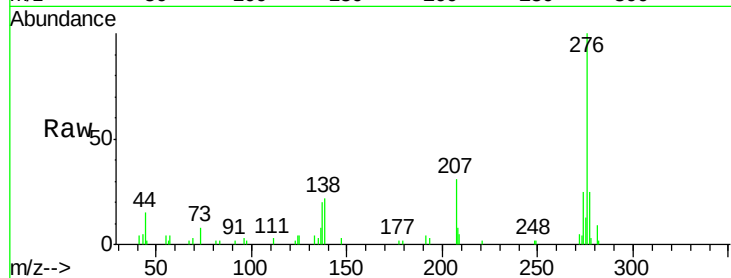
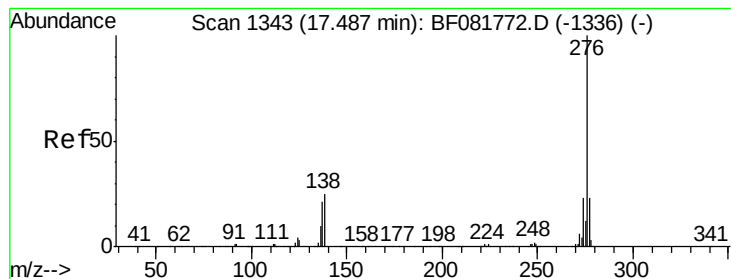
Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.5	26.3
125	12.1	17.1	25.7#



#89
Benzo(a)pyrene
Concen: 4.08 ng
RT: 15.51 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF081825.D
Acq: 26 Sep 2015 13:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	10.9	18.0	27.0#





#91

Benzo(g,h,i)perylene

Concen: 2.74 ng

RT: 17.48 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BF081825.D

Acq: 26 Sep 2015 13:53

Instrument :

BNA_F

ClientSampleId :

MW-6B

Tgt Ion: 276 Resp: 40291

Ion Ratio Lower Upper

276 100

277 25.3 17.8 26.6

138 21.7 34.6 51.8#

