

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052815\
 Data File : BF079552.D
 Acq On : 28 May 2015 19:02
 Operator : TP/IZ
 Sample : G2386-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-6-SS

Quant Time: May 29 08:48:54 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 18:41:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	57179	20.00	ng	0.00
21) Naphthalene-d8	8.54	136	231555	20.00	ng	0.00
38) Acenaphthene-d10	10.71	164	113985	20.00	ng	0.00
63) Phenanthrene-d10	12.54	188	218732	20.00	ng	0.00
75) Chrysene-d12	15.82	240	244921	20.00	ng	-0.02
86) Perylene-d12	17.52	264	267504	20.00	ng	-0.15

System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	349766	106.10	ng	0.01
7) Phenol-d6	6.56	99	491111	116.88	ng	0.00
23) Nitrobenzene-d5	7.66	82	288554	72.04	ng	-0.01
41) 2,4,6-Tribromophenol	11.69	330	137158	109.55	ng	0.00
44) 2-Fluorobiphenyl	9.88	172	568221	71.12	ng	0.00
78) Terphenyl-d14	14.54	244	692689	66.37	ng	0.00

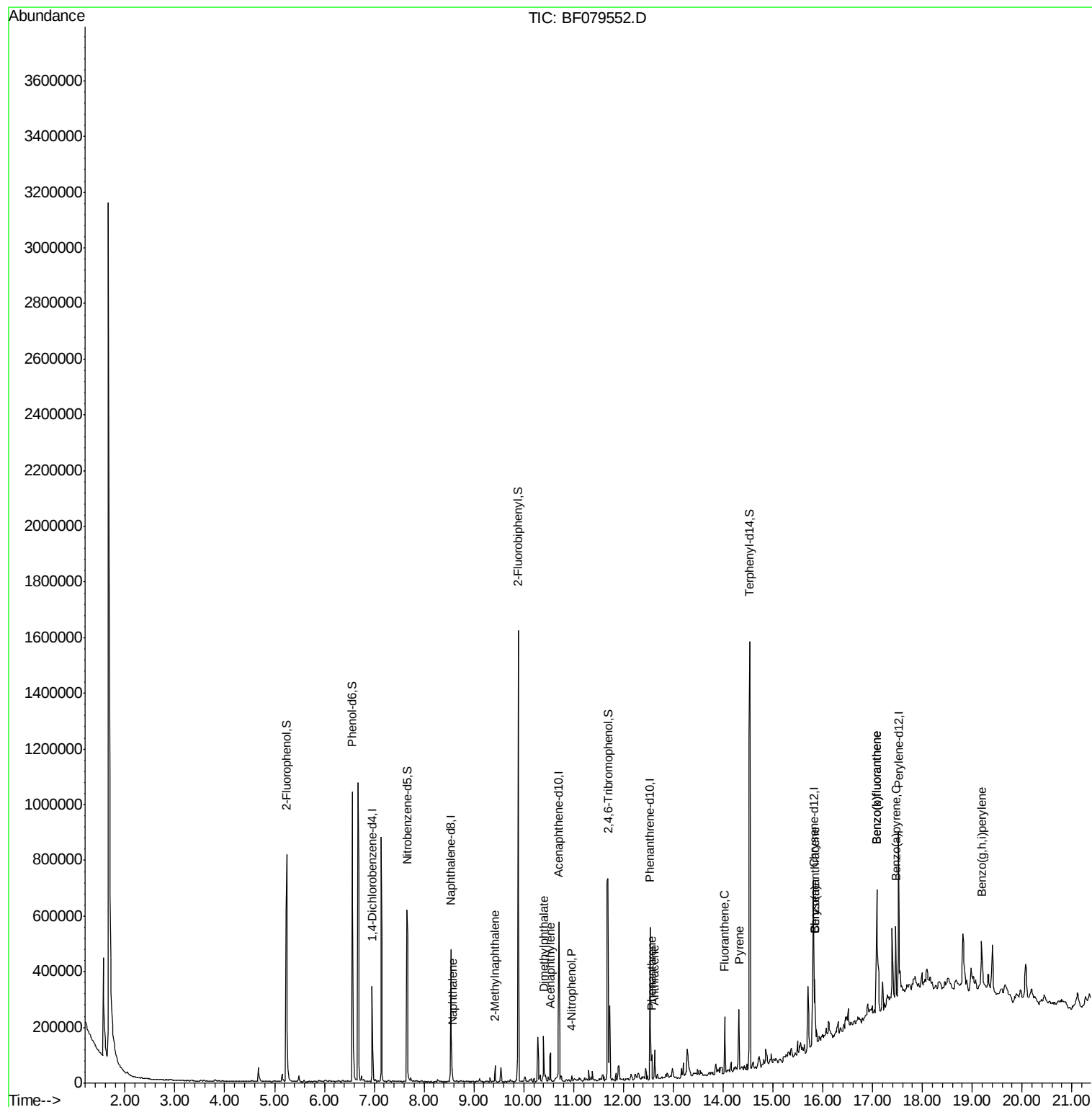
Target Compounds				Qvalue		
9) Benzaldehyde	6.41	77	564	Below Cal	#	19
31) Naphthalene	8.57	128	22991	2.07	ng	98
37) 2-Methylnaphthalene	9.43	142	18513	2.40	ng	98
48) Acenaphthylene	10.54	152	64934	5.56	ng	99
49) Dimethylphthalate	10.40	163	64214	7.65	ng	100
55) 4-Nitrophenol	10.96	139	3241	2.68	ng	# 12
70) Phenanthrene	12.57	178	42505	3.54	ng	99
71) Anthracene	12.63	178	46874	3.85	ng	98
73) Di-n-butylphthalate	13.30	149	2840	Below Cal	#	81
74) Fluoranthene	14.03	202	101025	7.85	ng	95
77) Pyrene	14.32	202	124553	8.21	ng	98
80) Benzo(a)anthracene	15.84	228	114964	8.16	ng	96
82) Chrysene	15.84	228	114168	8.53	ng	98
87) Benzo(b)fluoranthene	17.09	252	322626	21.15	ng	97
88) Benzo(k)fluoranthene	17.09	252	322626	23.65	ng	# 96
89) Benzo(a)pyrene	17.46	252	137641	8.74	ng	99
90) Dibenzo(a,h)anthracene	18.89	278	8347	Below Cal	#	67
91) Benzo(g,h,i)perylene	19.19	276	120412	6.36	ng	97

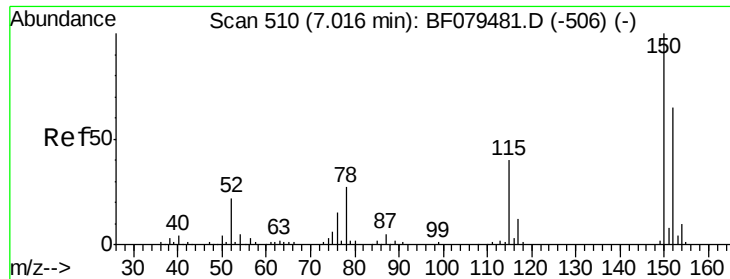
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.96 min Scan# 505

Delta R.T. -0.00 min

Lab File: BF079552.D

Acq: 28 May 2015 19:02

Instrument :

BNA_G

ClientSampleId :

TP-6-SS

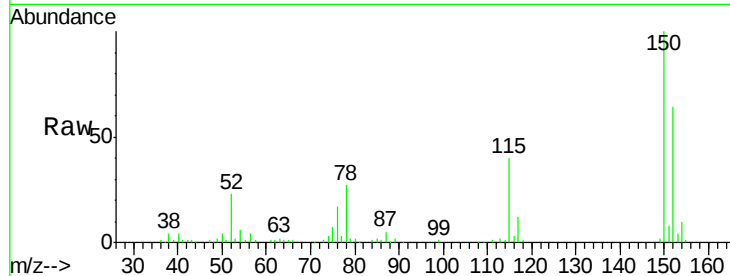
Tgt Ion:152 Resp: 57179

Ion Ratio Lower Upper

152 100

150 156.9 124.0 186.0

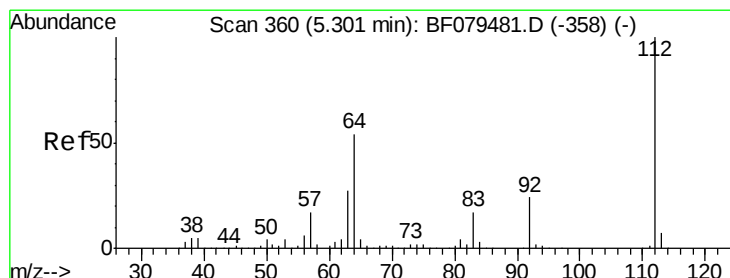
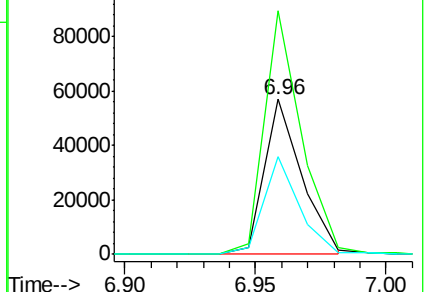
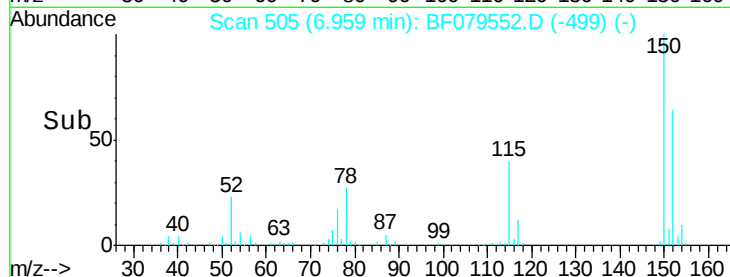
115 63.1 49.6 74.4



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: 106.10 ng

RT: 5.24 min Scan# 355

Delta R.T. 0.01 min

Lab File: BF079552.D

Acq: 28 May 2015 19:02

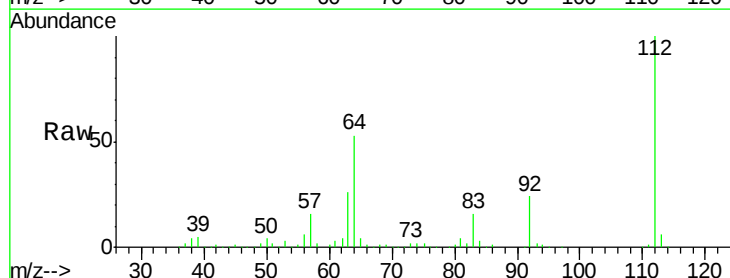
Tgt Ion:112 Resp: 349766

Ion Ratio Lower Upper

112 100

64 52.6 43.5 65.3

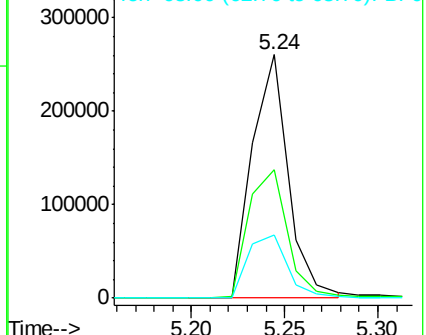
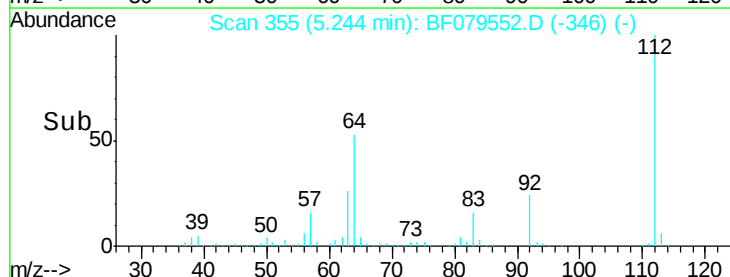
63 26.0 21.8 32.8

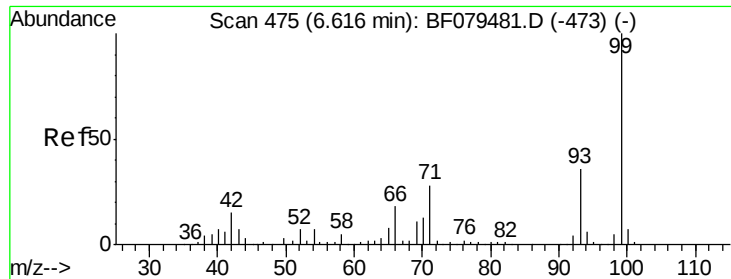


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 116.88 ng

RT: 6.56 min Scan# 470

Delta R.T. 0.00 min

Lab File: BF079552.D

Acq: 28 May 2015 19:02

Instrument :

BNA_G

ClientSampleId :

TP-6-SS

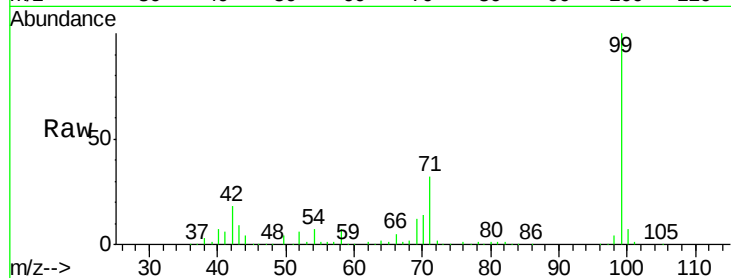
Tgt Ion: 99 Resp: 491111

Ion Ratio Lower Upper

99 100

42 18.4 11.9 17.9#

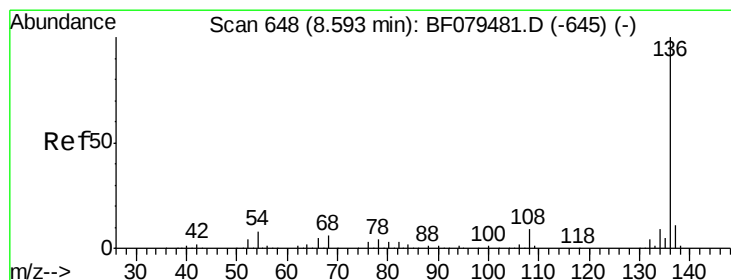
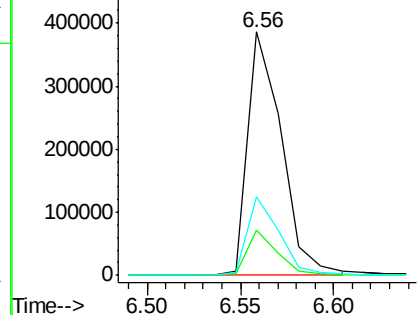
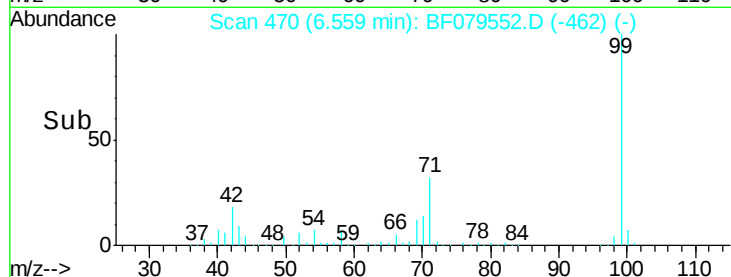
71 32.0 22.1 33.1



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.54 min Scan# 643

Delta R.T. -0.00 min

Lab File: BF079552.D

Acq: 28 May 2015 19:02

Tgt Ion: 136 Resp: 231555

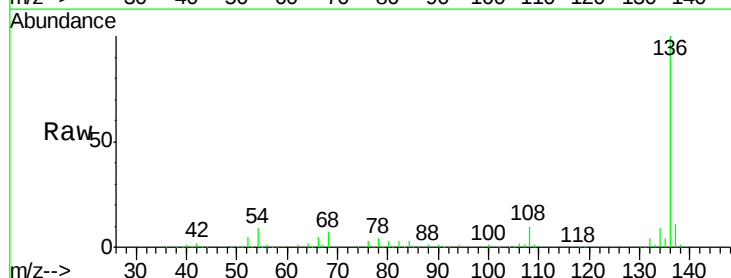
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 8.7 6.6 9.8

68 6.7 4.7 7.1

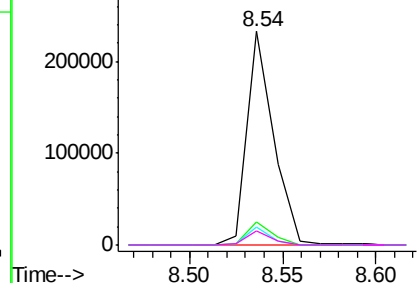
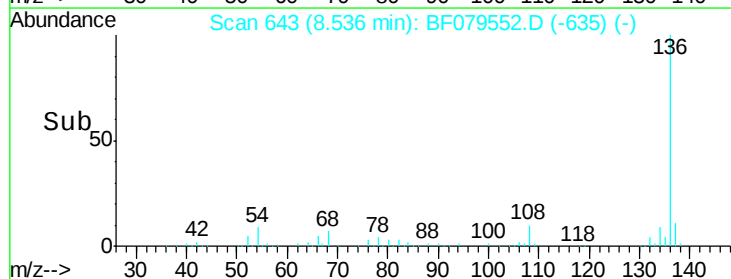


Abundance Ion 136.00 (135.70 to 136.70): E

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

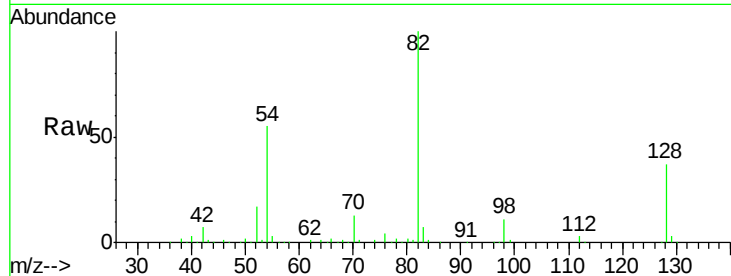




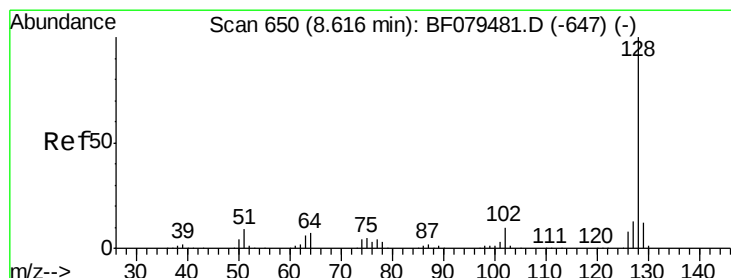
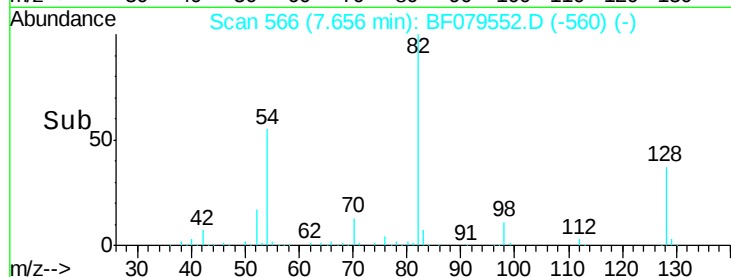
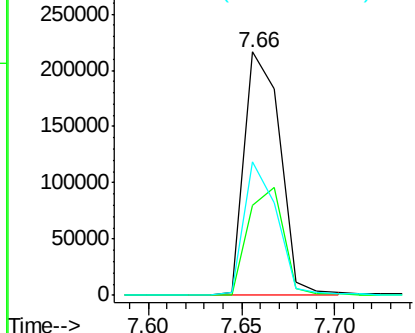
#23
 Nitrobenzene-d5
 Concen: 72.04 ng
 RT: 7.66 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: BF079552.D
 Acq: 28 May 2015 19:02

Instrument :
 BNA_G
 ClientSampleId :
 TP-6-SS

Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.2	30.8	46.2
54	54.9	42.8	64.2

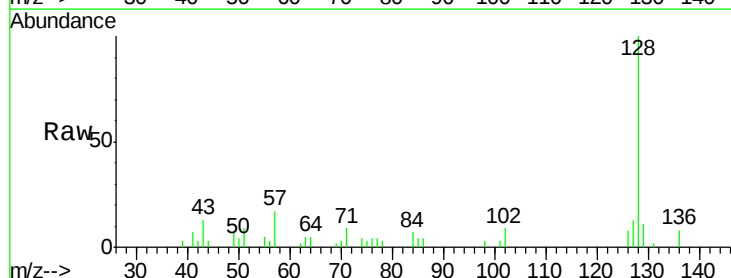


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

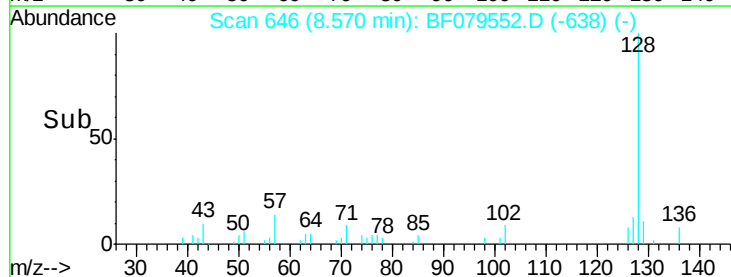
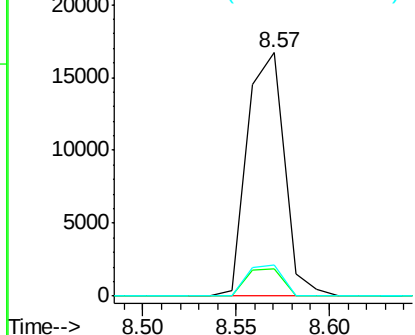


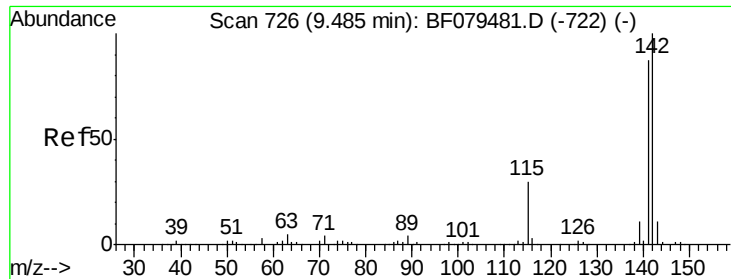
#31
 Naphthalene
 Concen: 2.07 ng
 RT: 8.57 min Scan# 646
 Delta R.T. -0.00 min
 Lab File: BF079552.D
 Acq: 28 May 2015 19:02

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.3	13.9
127	12.6	10.6	15.8



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

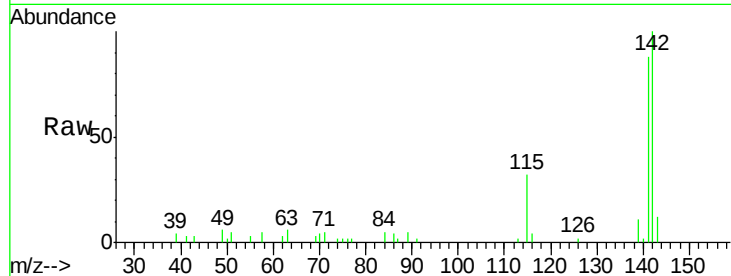




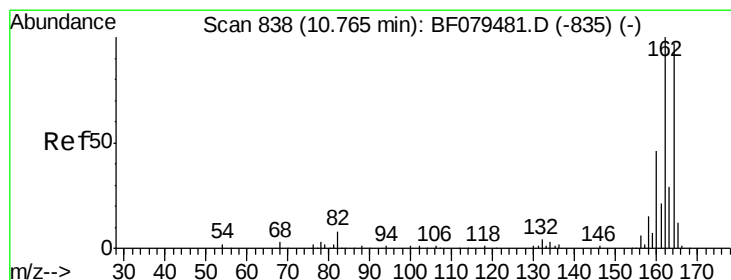
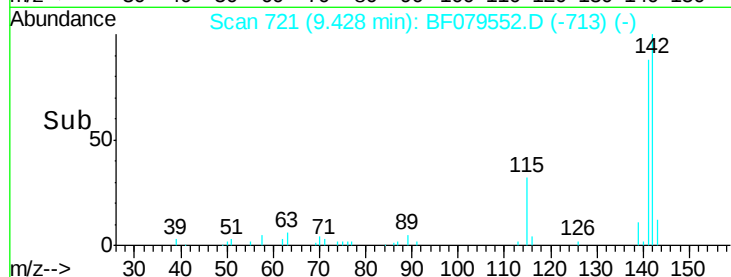
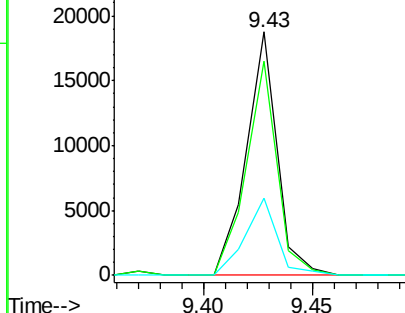
#37
 2-Methylnaphthalene
 Concen: 2.40 ng
 RT: 9.43 min Scan# 721
 Delta R.T. -0.00 min
 Lab File: BF079552.D
 Acq: 28 May 2015 19:02

Instrument :
 BNA_G
 ClientSampleID :
 TP-6-SS

Tgt Ion:142 Resp: 18513
 Ion Ratio Lower Upper
 142 100
 141 88.2 69.5 104.3
 115 32.0 23.8 35.6

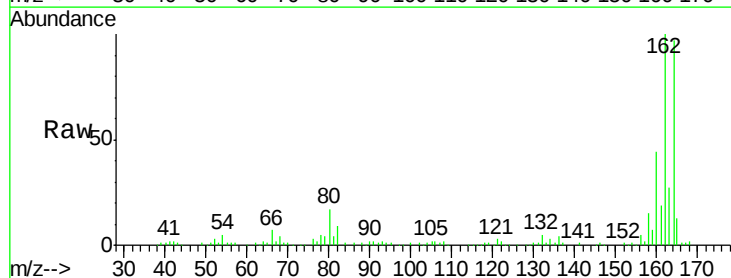


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

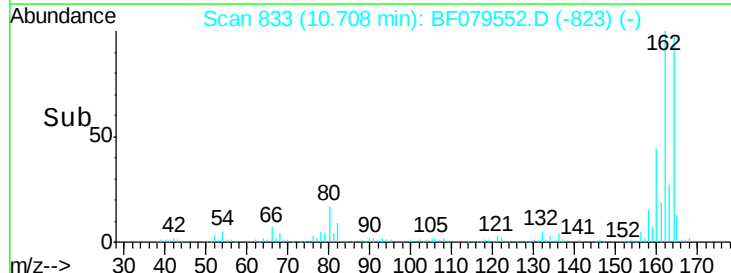
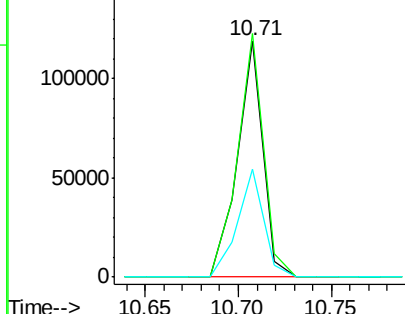


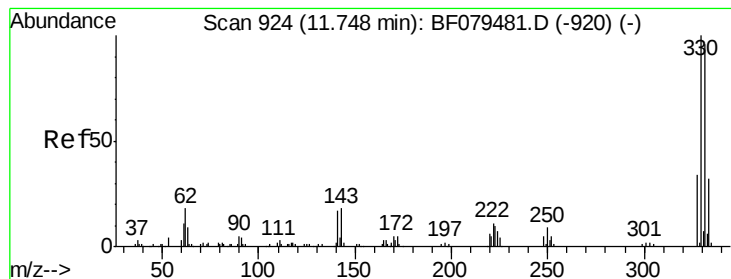
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.71 min Scan# 833
 Delta R.T. -0.00 min
 Lab File: BF079552.D
 Acq: 28 May 2015 19:02

Tgt Ion:164 Resp: 113985
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.6 124.0
 160 45.7 37.7 56.5



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

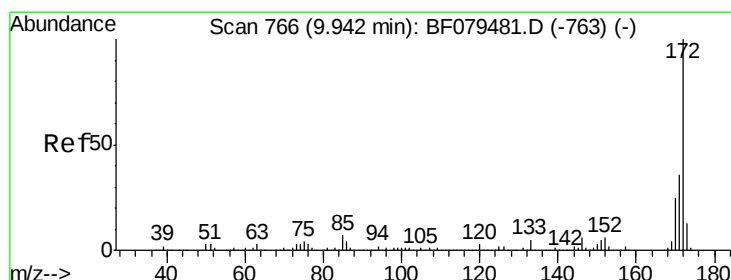
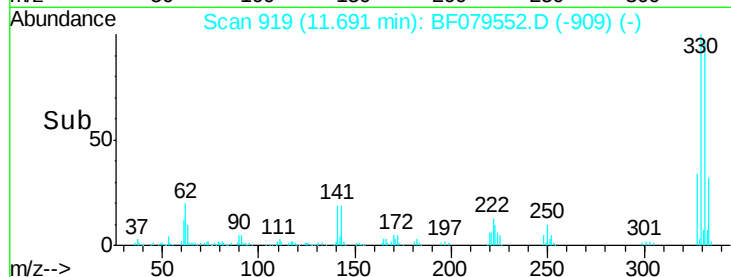
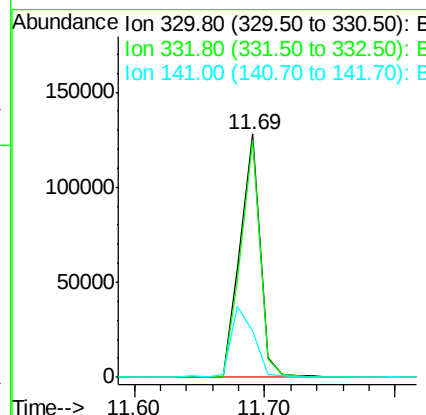
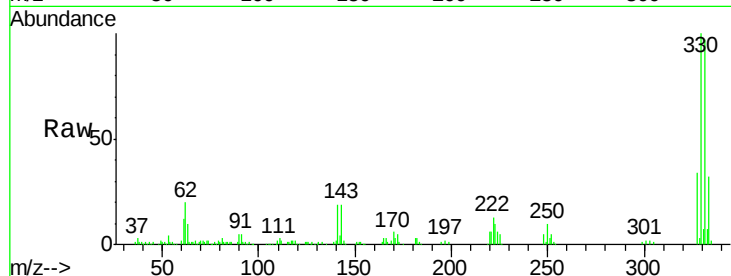




#41
 2,4,6-Tribromophenol
 Concen: 109.55 ng
 RT: 11.69 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BF079552.D
 Acq: 28 May 2015 19:02

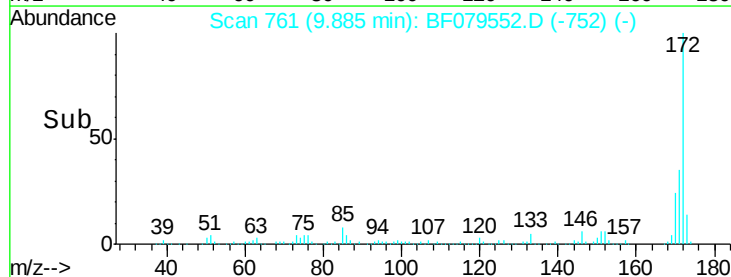
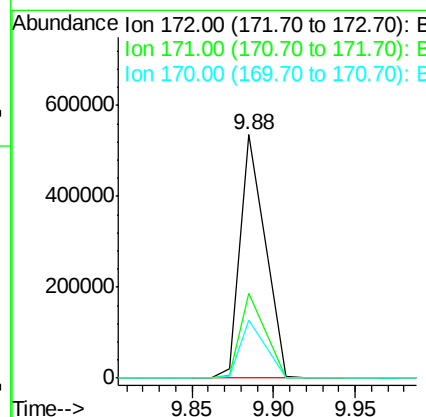
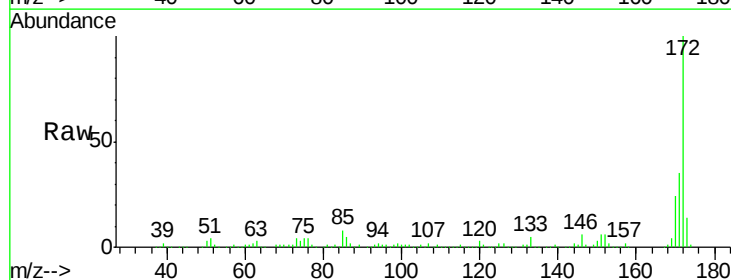
Instrument :
 BNA_G
 ClientSampleId :
 TP-6-SS

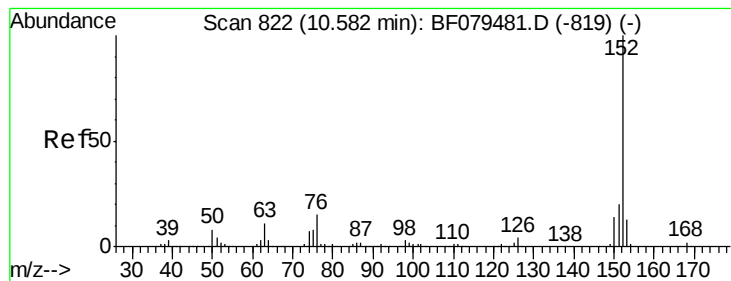
Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.4	0.0	0.0#
141	34.7	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 71.12 ng
 RT: 9.88 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BF079552.D
 Acq: 28 May 2015 19:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.5	42.7
170	23.9	19.7	29.5





#48

Acenaphthylene

Concen: 5.56 ng

RT: 10.54 min Scan# 818

Delta R.T. -0.00 min

Lab File: BF079552.D

Acq: 28 May 2015 19:02

Instrument :

BNA_G

ClientSampleId :

TP-6-SS

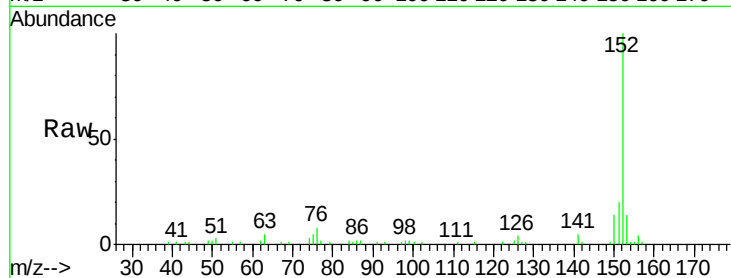
Tgt Ion:152 Resp: 64934

Ion Ratio Lower Upper

152 100

151 20.4 15.8 23.8

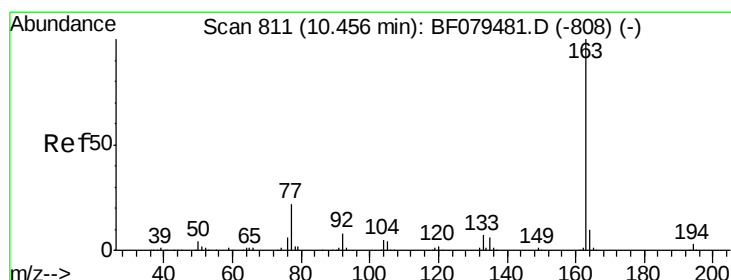
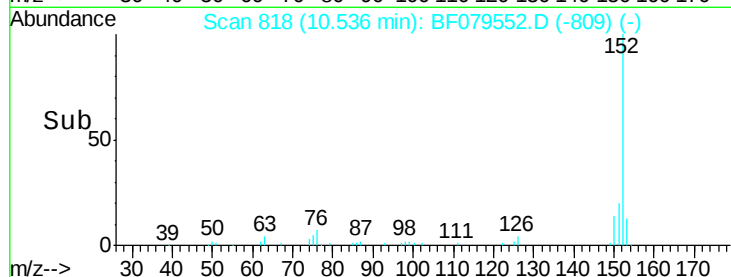
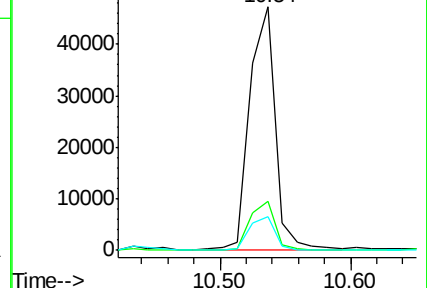
153 14.1 10.7 16.1



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: 7.65 ng

RT: 10.40 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF079552.D

Acq: 28 May 2015 19:02

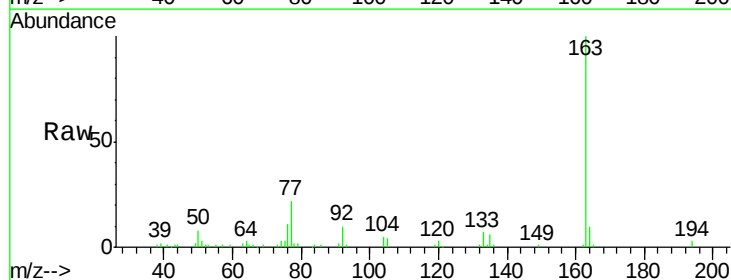
Tgt Ion:163 Resp: 64214

Ion Ratio Lower Upper

163 100

194 3.2 2.4 3.6

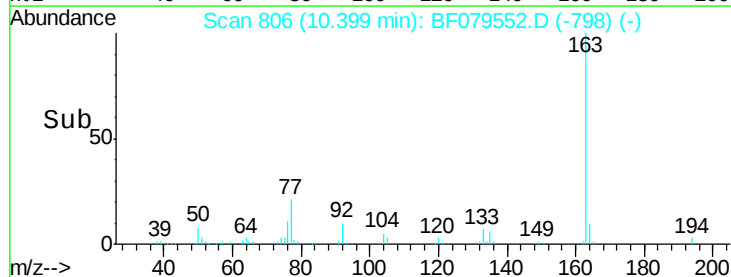
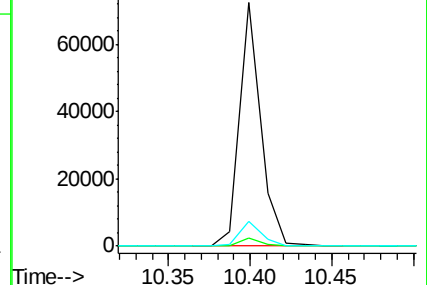
164 10.3 8.2 12.4

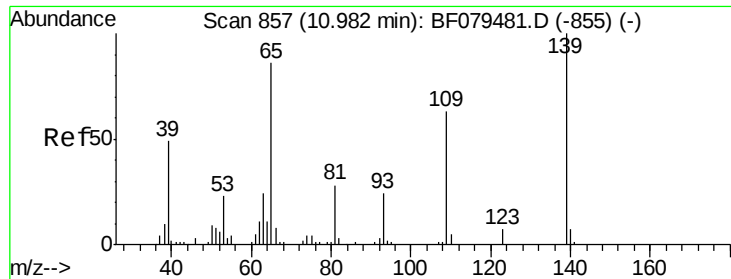


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#55

4-Nitrophenol

Concen: 2.68 ng

RT: 10.96 min Scan# 855

Delta R.T. 0.03 min

Lab File: BF079552.D

Acq: 28 May 2015 19:02

Instrument :

BNA_G

ClientSampleId :

TP-6-SS

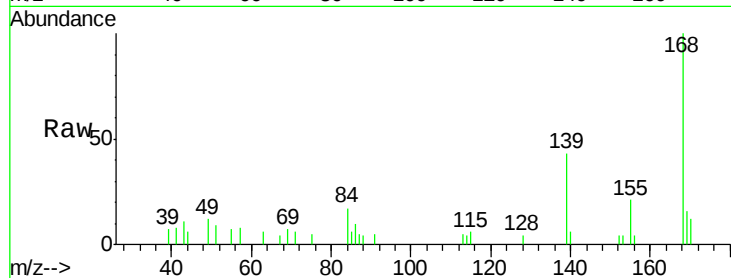
Tgt Ion:139 Resp: 3241

Ion Ratio Lower Upper

139 100

109 0.0 42.8 82.8#

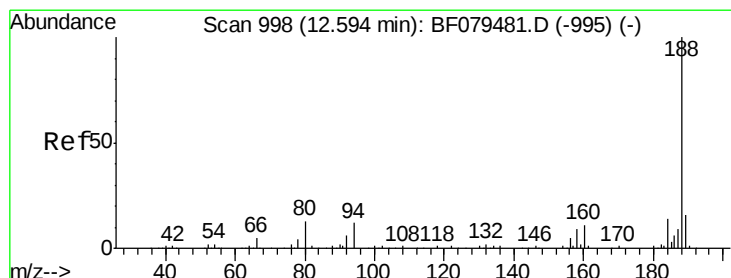
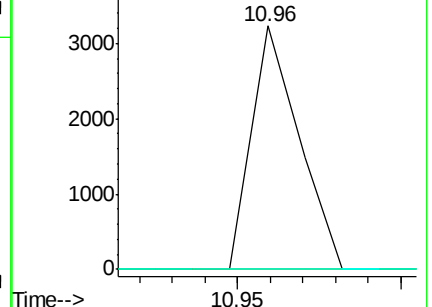
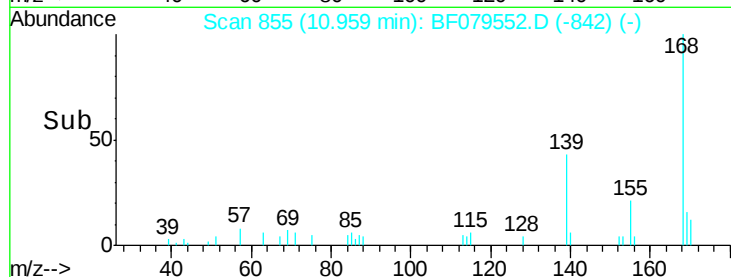
65 0.0 66.3 106.3#



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.54 min Scan# 993

Delta R.T. -0.00 min

Lab File: BF079552.D

Acq: 28 May 2015 19:02

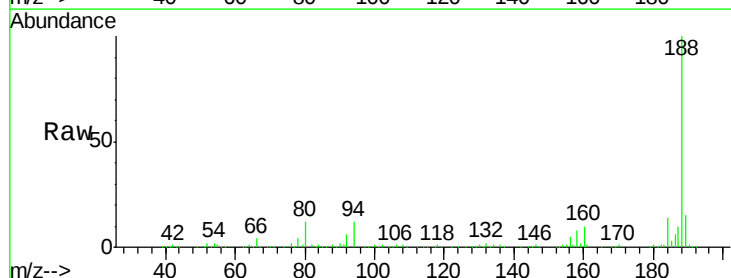
Tgt Ion:188 Resp: 218732

Ion Ratio Lower Upper

188 100

94 11.7 9.8 14.6

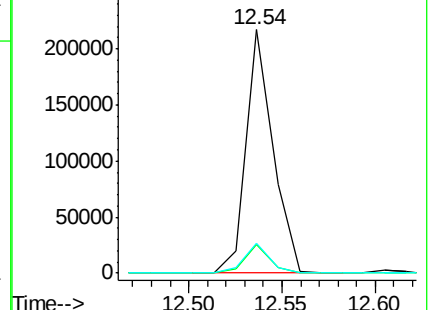
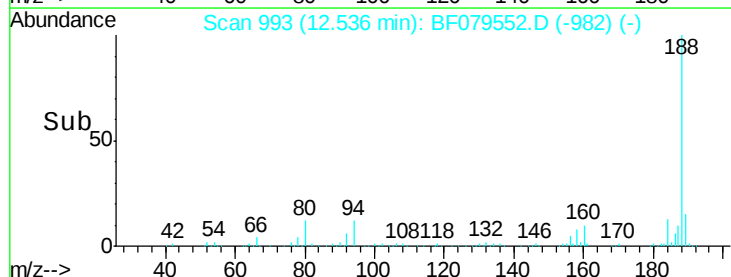
80 12.2 10.5 15.7

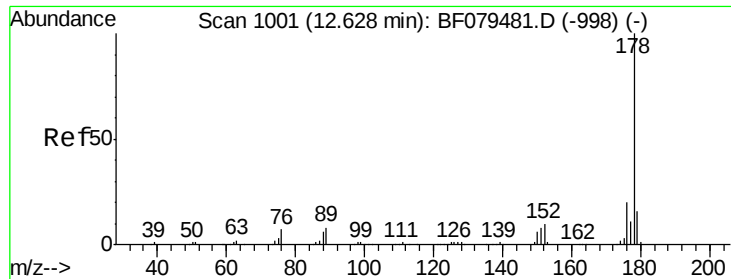


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

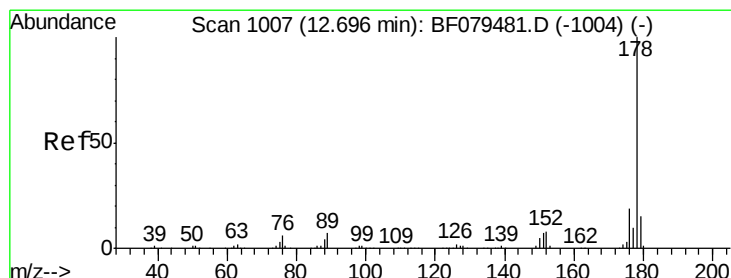
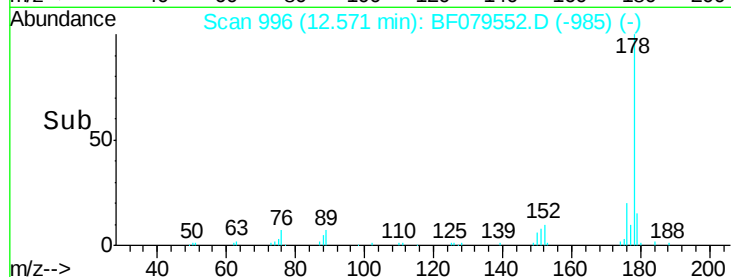
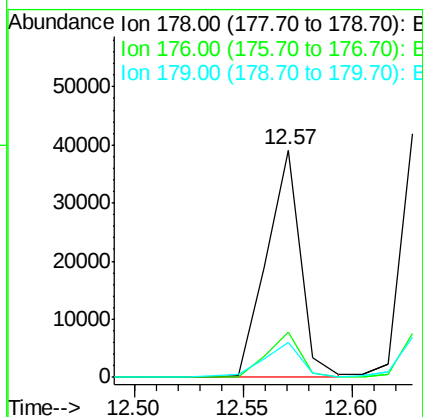
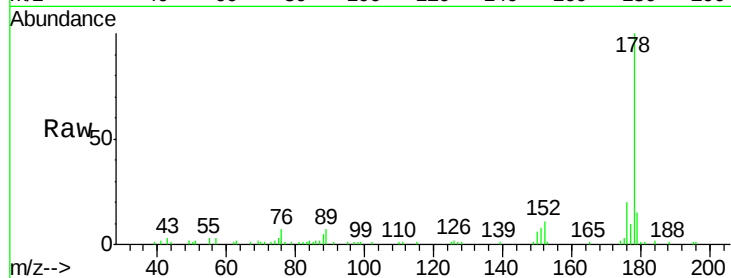




#70
Phenanthrene
Concen: 3.54 ng
RT: 12.57 min Scan# 996
Delta R.T. -0.00 min
Lab File: BF079552.D
Acq: 28 May 2015 19:02

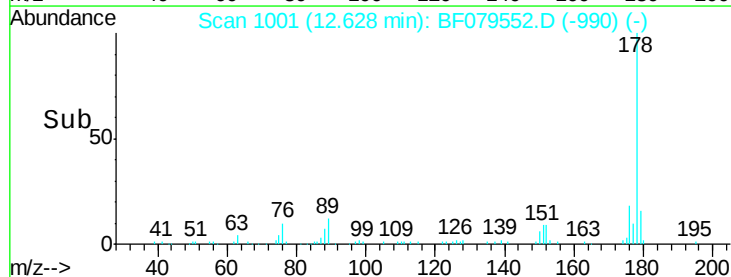
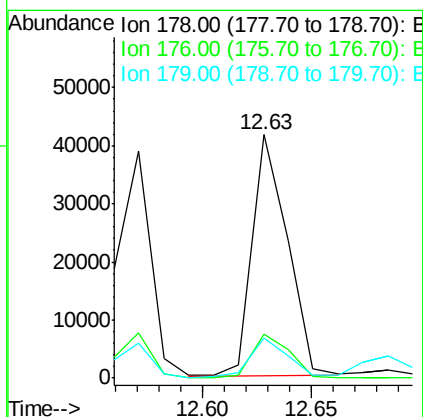
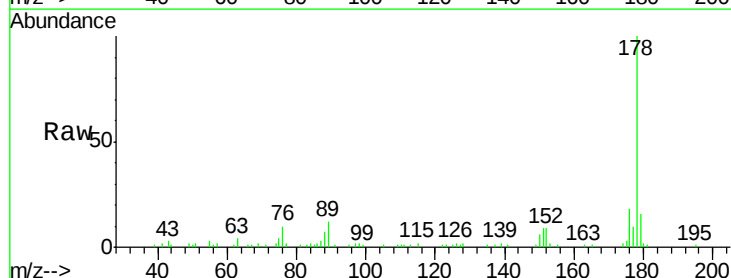
Instrument :
BNA_G
ClientSampleId :
TP-6-SS

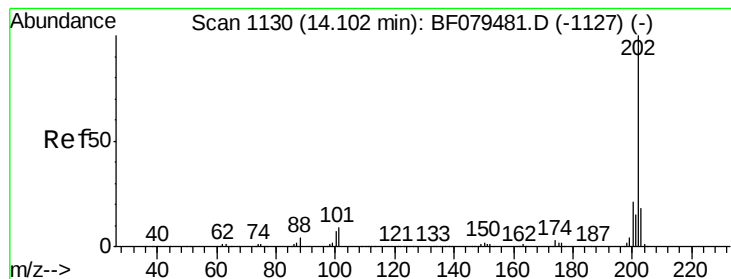
Tgt Ion:178 Resp: 42505
Ion Ratio Lower Upper
178 100
176 20.0 15.7 23.5
179 15.1 12.4 18.6



#71
Anthracene
Concen: 3.85 ng
RT: 12.63 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF079552.D
Acq: 28 May 2015 19:02

Tgt Ion:178 Resp: 46874
Ion Ratio Lower Upper
178 100
176 18.0 15.3 22.9
179 16.2 12.2 18.4





#74

Fluoranthene

Concen: 7.85 ng

RT: 14.03 min Scan# 1124

Delta R.T. -0.00 min

Lab File: BF079552.D

Acq: 28 May 2015 19:02

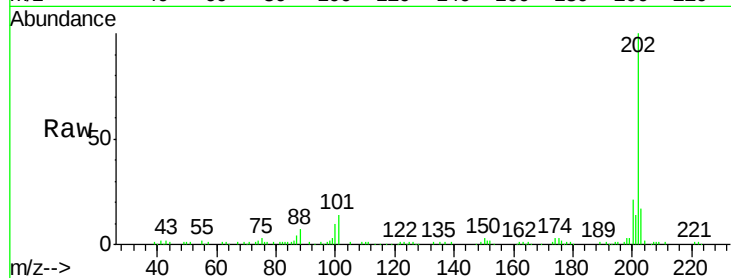
Instrument :

BNA_G

ClientSampled :

TP-6-SS

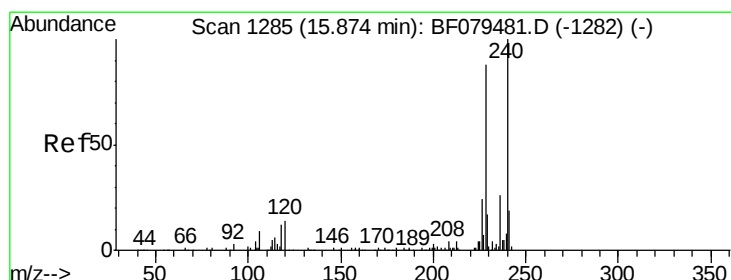
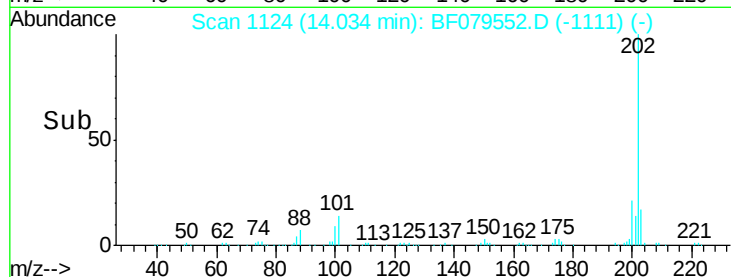
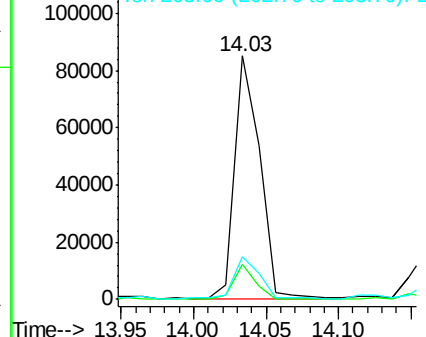
Tgt Ion:	202	Resp:	101025
Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	29.3
203	17.3	0.0	37.6



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

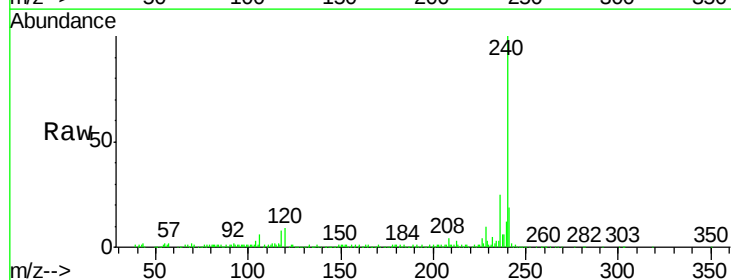
RT: 15.82 min Scan# 1280

Delta R.T. -0.02 min

Lab File: BF079552.D

Acq: 28 May 2015 19:02

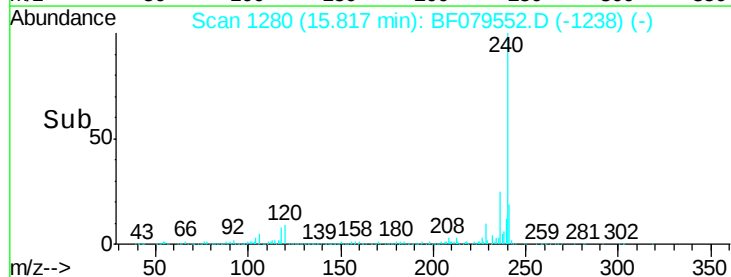
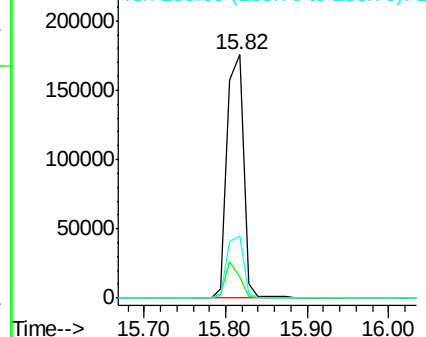
Tgt Ion:	240	Resp:	244921
Ion	Ratio	Lower	Upper
240	100		
120	8.6	10.8	16.2#
236	25.4	21.0	31.6

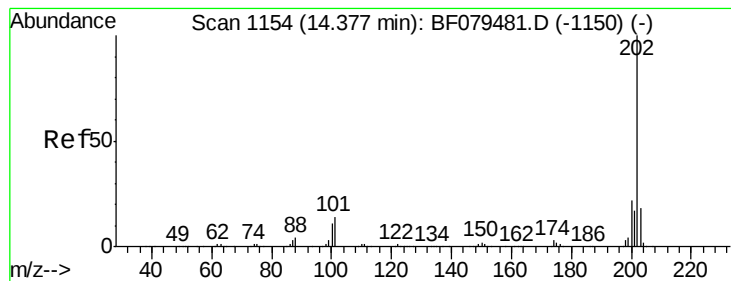


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 8.21 ng

RT: 14.32 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BF079552.D

Acq: 28 May 2015 19:02

Instrument :

BNA_G

ClientSampleId :

TP-6-SS

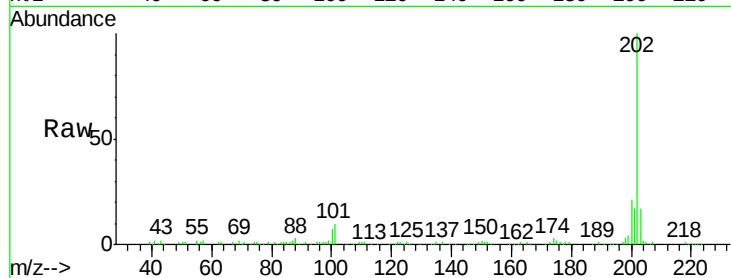
Tgt Ion: 202 Resp: 124553

Ion Ratio Lower Upper

202 100

200 20.6 17.5 26.3

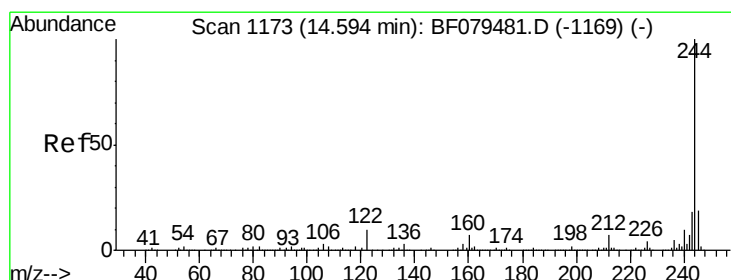
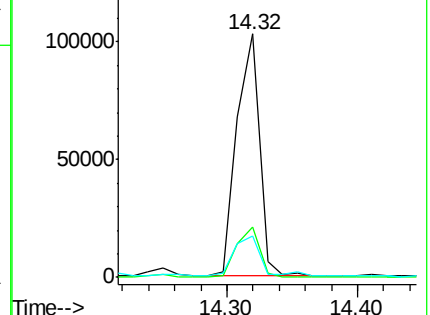
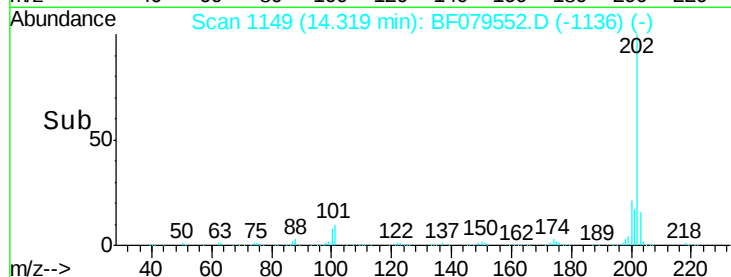
203 17.2 14.4 21.6



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: 66.37 ng

RT: 14.54 min Scan# 1168

Delta R.T. -0.00 min

Lab File: BF079552.D

Acq: 28 May 2015 19:02

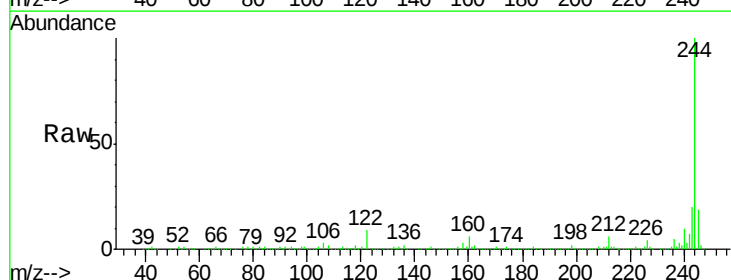
Tgt Ion: 244 Resp: 692689

Ion Ratio Lower Upper

244 100

212 6.0 5.2 7.8

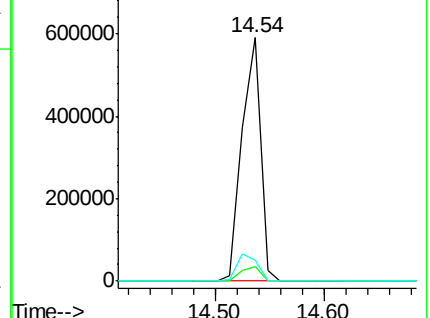
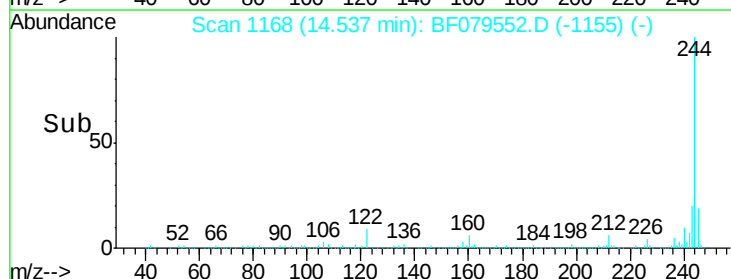
122 8.8 8.0 12.0

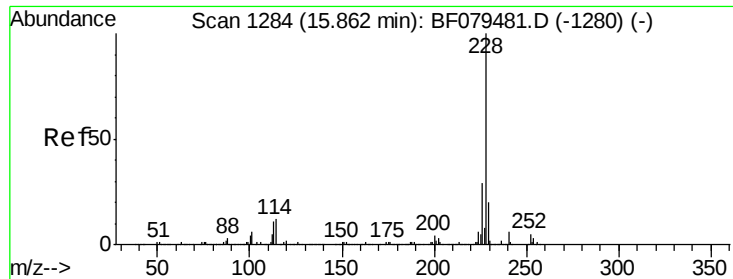


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

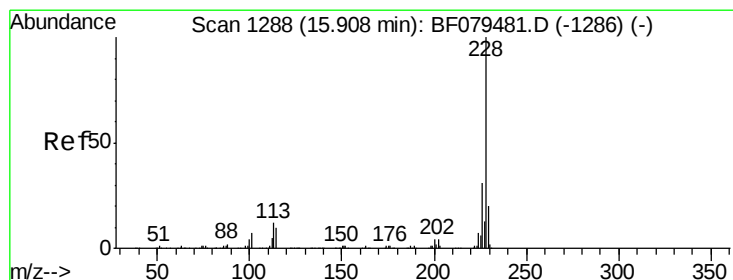
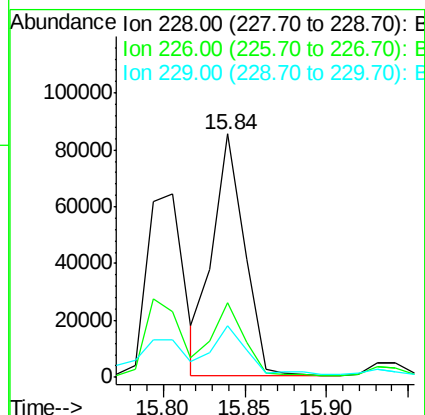
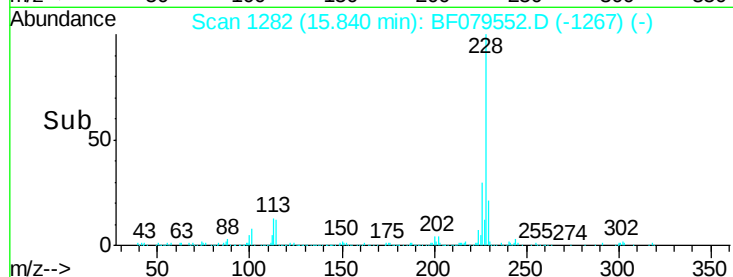
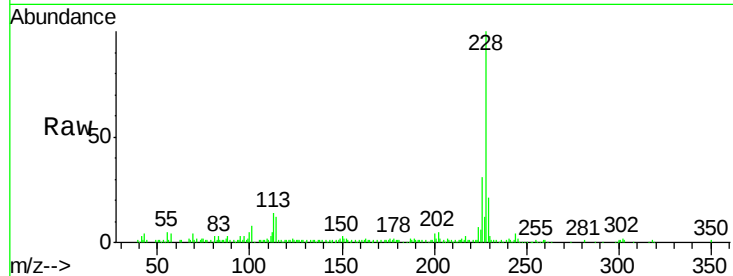




#80
Benzo(a)anthracene
Concen: 8.16 ng
RT: 15.84 min Scan# 1282
Delta R.T. 0.01 min
Lab File: BF079552.D
Acq: 28 May 2015 19:02

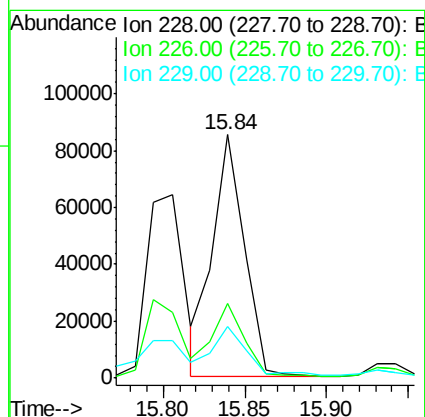
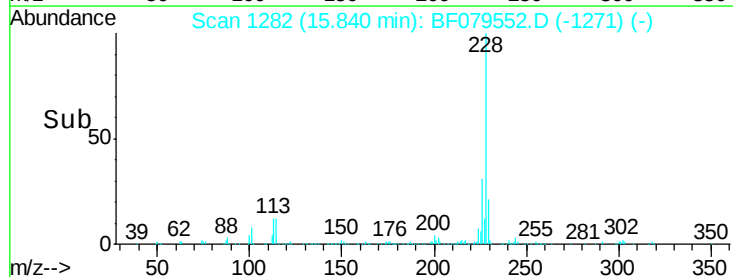
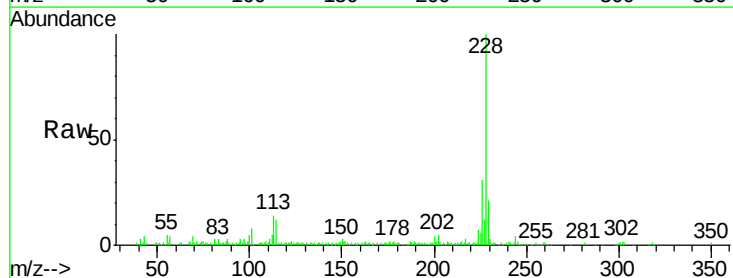
Instrument :
BNA_G
ClientSampleId :
TP-6-SS

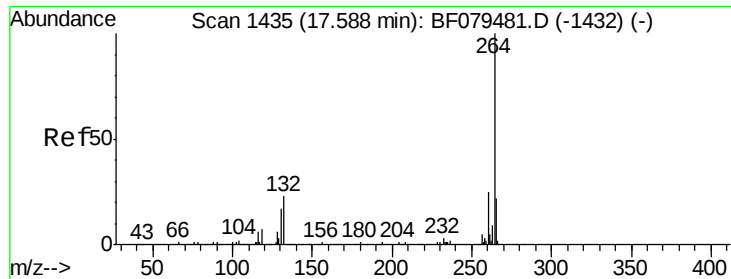
Tgt Ion:228 Resp: 114964
Ion Ratio Lower Upper
228 100
226 30.9 22.8 34.2
229 21.4 15.9 23.9



#82
Chrysene
Concen: 8.53 ng
RT: 15.84 min Scan# 1282
Delta R.T. -0.03 min
Lab File: BF079552.D
Acq: 28 May 2015 19:02

Tgt Ion:228 Resp: 114168
Ion Ratio Lower Upper
228 100
226 30.9 25.0 37.4
229 21.4 15.9 23.9

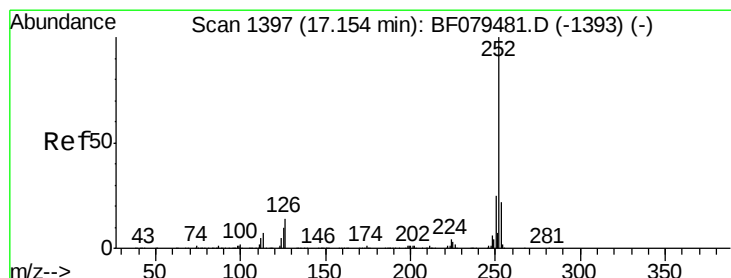
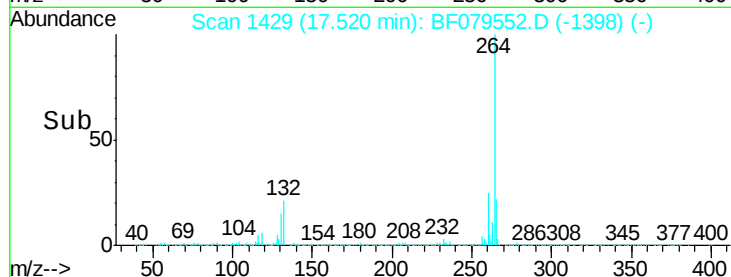
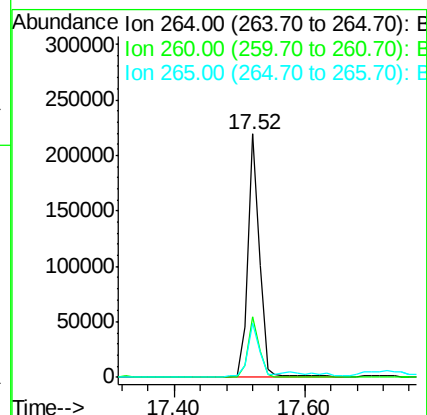
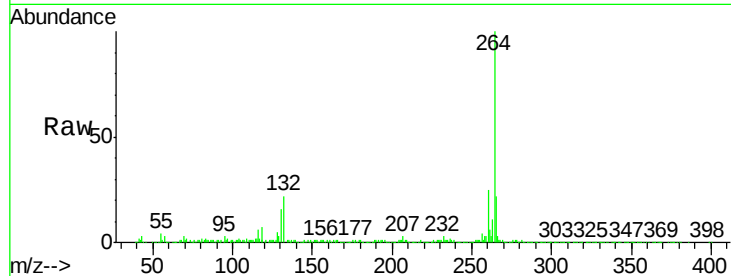




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.52 min Scan# 1429
Delta R.T. -0.15 min
Lab File: BF079552.D
Acq: 28 May 2015 19:02

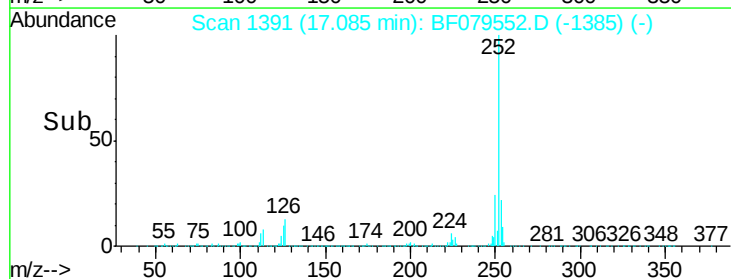
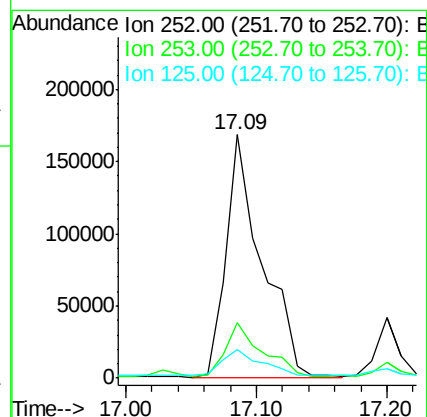
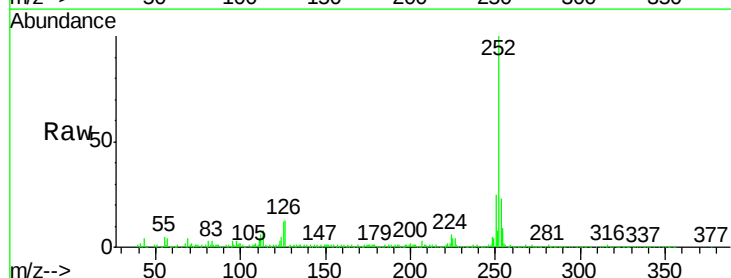
Instrument :
BNA_G
ClientSampleId :
TP-6-SS

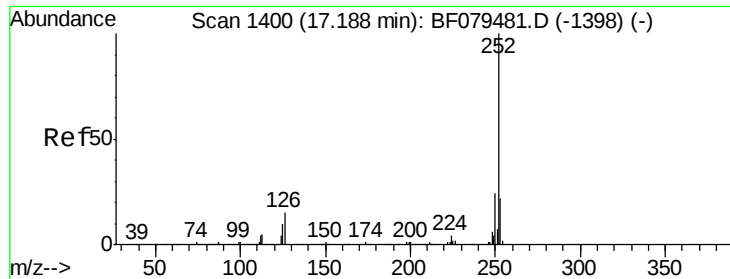
Tgt Ion:264 Resp: 267504
Ion Ratio Lower Upper
264 100
260 24.9 19.8 29.8
265 22.2 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 21.15 ng
RT: 17.09 min Scan# 1391
Delta R.T. -0.11 min
Lab File: BF079552.D
Acq: 28 May 2015 19:02

Tgt Ion:252 Resp: 322626
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 11.6 7.8 11.6

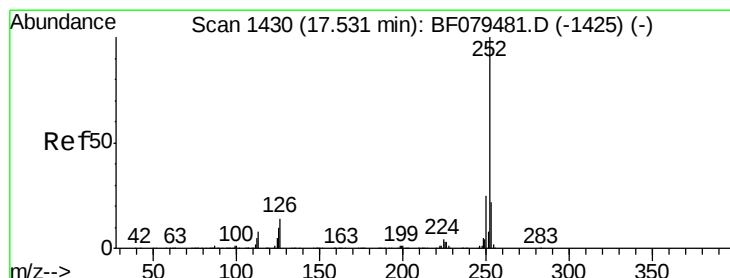
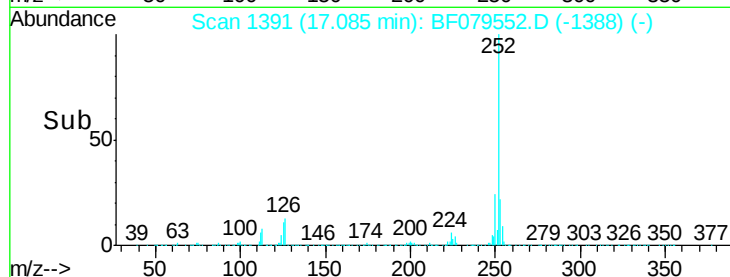
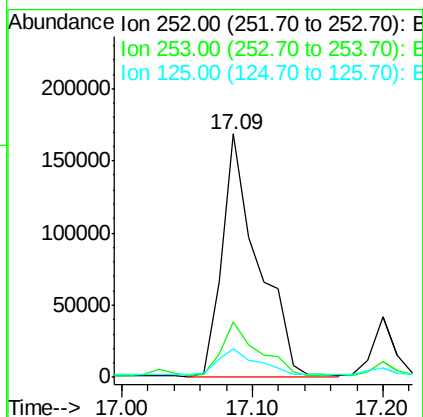
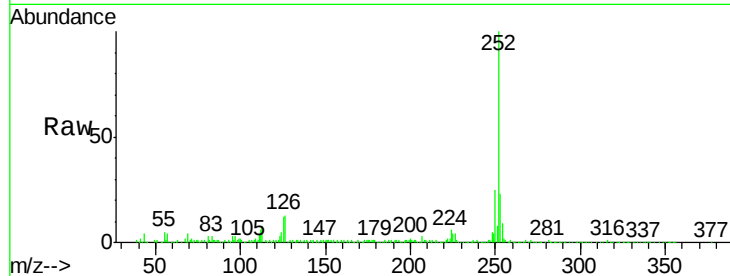




#88
Benzo(k)fluoranthene
Concen: 23.65 ng
RT: 17.09 min Scan# 1391
Delta R.T. -0.15 min
Lab File: BF079552.D
Acq: 28 May 2015 19:02

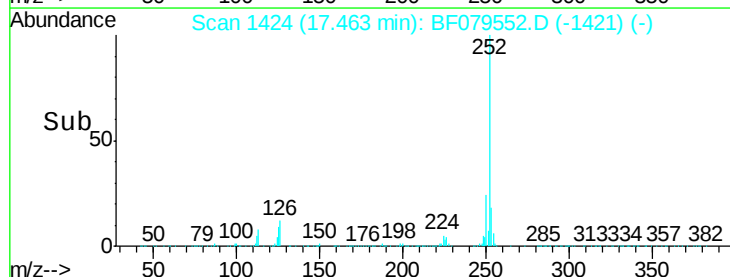
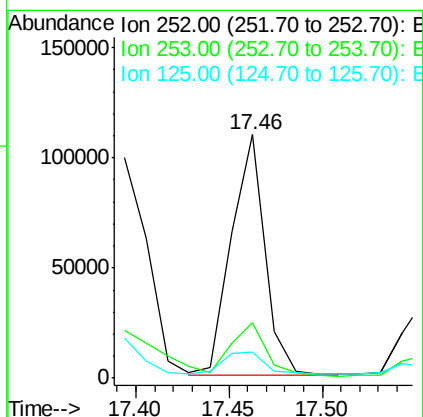
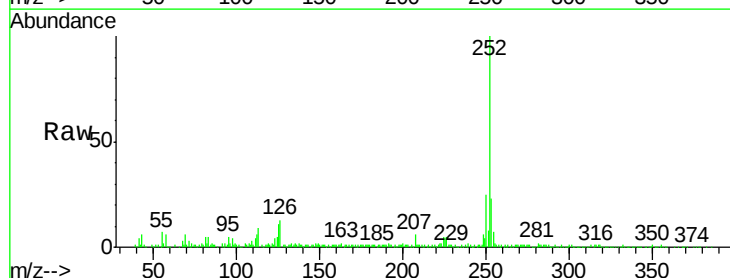
Instrument :
BNA_G
ClientSampleId :
TP-6-SS

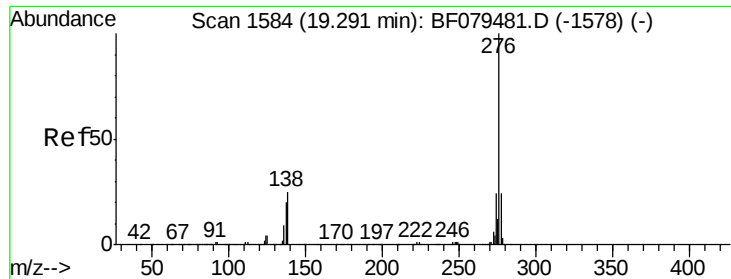
Tgt Ion:252 Resp: 322626
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 11.6 6.8 10.2#



#89
Benzo(a)pyrene
Concen: 8.74 ng
RT: 17.46 min Scan# 1424
Delta R.T. -0.15 min
Lab File: BF079552.D
Acq: 28 May 2015 19:02

Tgt Ion:252 Resp: 137641
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 10.5 7.9 11.9





#91

Benzo(g,h,i)perylene

Concen: 6.36 ng

RT: 19.19 min Scan# 1575

Delta R.T. -0.22 min

Lab File: BF079552.D

Acq: 28 May 2015 19:02

Instrument :

BNA_G

ClientSampleId :

TP-6-SS

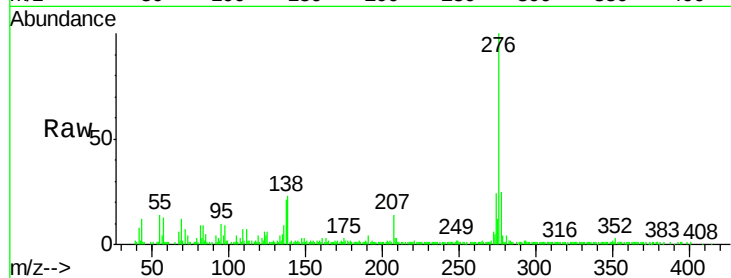
Tgt Ion: 276 Resp: 120412

Ion Ratio Lower Upper

276 100

277 25.2 19.1 28.7

138 23.4 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

