

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052815\
 Data File : BF079551.D
 Acq On : 28 May 2015 18:32
 Operator : TP/IZ
 Sample : G2386-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-9-SS

Quant Time: May 29 08:48:37 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	67190	20.00	ng	0.00
21) Naphthalene-d8	8.54	136	277049	20.00	ng	0.00
38) Acenaphthene-d10	10.71	164	134115	20.00	ng	0.00
63) Phenanthrene-d10	12.54	188	251871	20.00	ng	0.00
75) Chrysene-d12	15.81	240	279754	20.00	ng	-0.03
86) Perylene-d12	17.49	264	300189	20.00	ng	-0.18

System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	393407	101.56	ng	0.01
7) Phenol-d6	6.56	99	522551	105.83	ng	0.00
23) Nitrobenzene-d5	7.66	82	294008	61.34	ng	-0.01
41) 2,4,6-Tribromophenol	11.69	330	148471	100.79	ng	0.00
44) 2-Fluorobiphenyl	9.88	172	496878	52.86	ng	0.00
78) Terphenyl-d14	14.53	244	616785	51.74	ng	-0.01

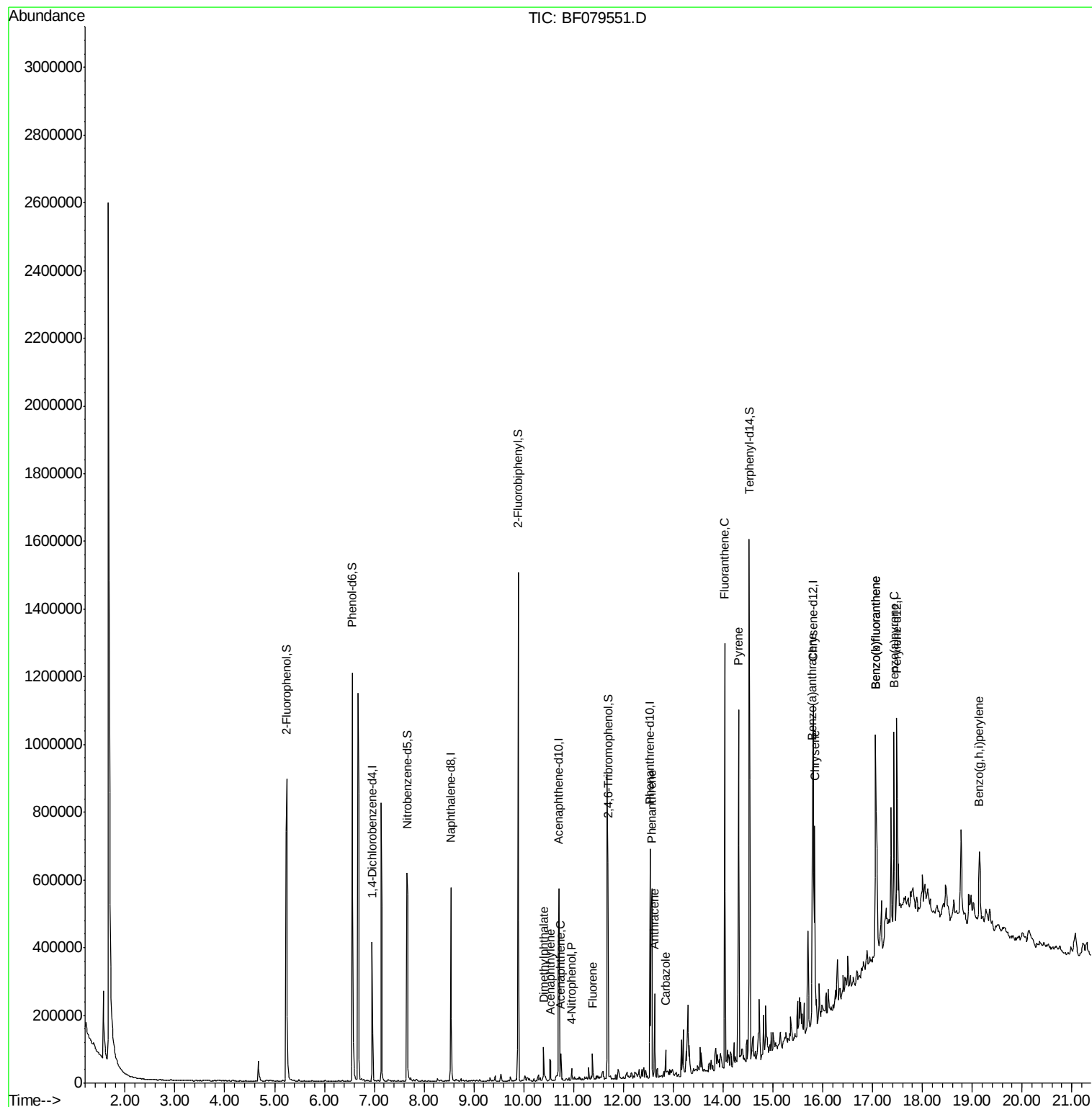
Target Compounds				Qvalue		
48) Acenaphthylene	10.52	152	40904	2.98	ng	98
49) Dimethylphthalate	10.40	163	37947	3.84	ng	99
51) Acenaphthene	10.74	154	17660	2.25	ng	94
55) 4-Nitrophenol	10.96	139	4671	3.28	ng	# 12
57) Fluorene	11.38	166	24664	2.58	ng	95
70) Phenanthrene	12.57	178	315803	22.85	ng	99
71) Anthracene	12.63	178	103491	7.38	ng	99
72) Carbazole	12.85	167	33818	2.50	ng	97
73) Di-n-butylphthalate	13.30	149	7595	Below Cal	#	82
74) Fluoranthene	14.03	202	583628	39.39	ng	95
77) Pyrene	14.31	202	495294	28.58	ng	# 95
80) Benzo(a)anthracene	15.79	228	313742	19.50	ng	96
82) Chrysene	15.84	228	250858	16.40	ng	97
87) Benzo(b)fluoranthene	17.06	252	509673	29.77	ng	# 97
88) Benzo(k)fluoranthene	17.06	252	509673	33.29	ng	# 95
89) Benzo(a)pyrene	17.43	252	271622	16.89	ng	96
90) Dibenzo(a,h)anthracene	18.86	278	15664	Below Cal	#	59
91) Benzo(g,h,i)perylene	19.14	276	161909	8.35	ng	99

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

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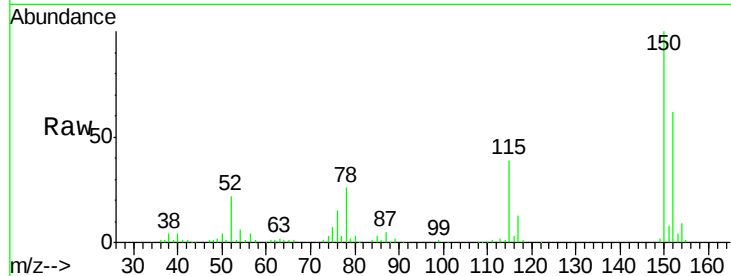




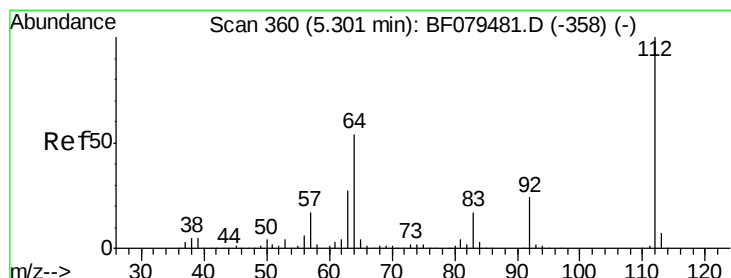
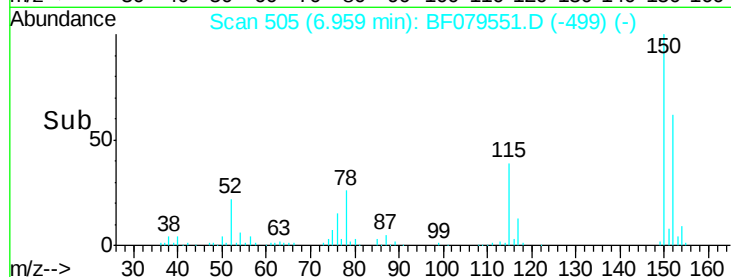
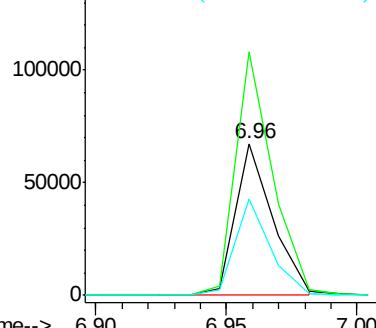
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.96 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: BF079551.D
 Acq: 28 May 2015 18:32

Instrument :
 BNA_G
 ClientSampled :
 TP-9-SS

Tgt Ion:152 Resp: 67190
 Ion Ratio Lower Upper
 152 100
 150 160.3 124.0 186.0
 115 63.3 49.6 74.4

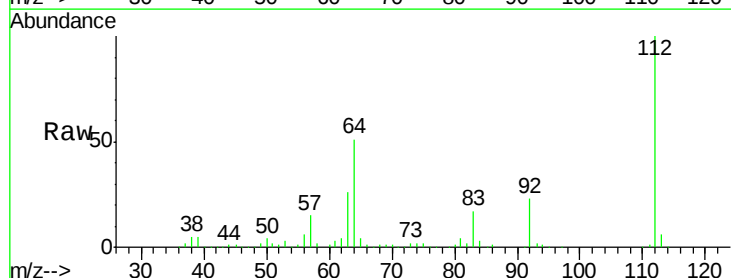


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

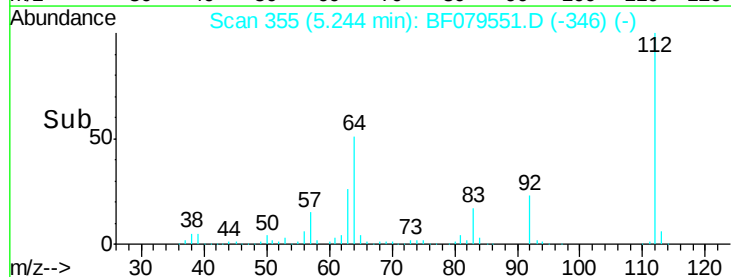
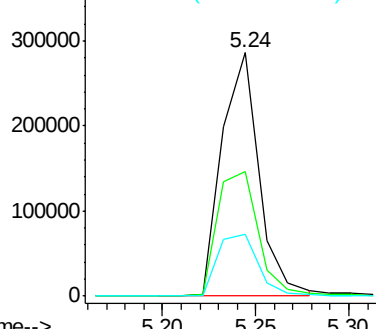


#5
 2-Fluorophenol
 Concen: 101.56 ng
 RT: 5.24 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: BF079551.D
 Acq: 28 May 2015 18:32

Tgt Ion:112 Resp: 393407
 Ion Ratio Lower Upper
 112 100
 64 51.4 43.5 65.3
 63 25.6 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: 105.83 ng

RT: 6.56 min Scan# 470

Delta R.T. 0.00 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

Instrument :

BNA_G

ClientSampleId :

TP-9-SS

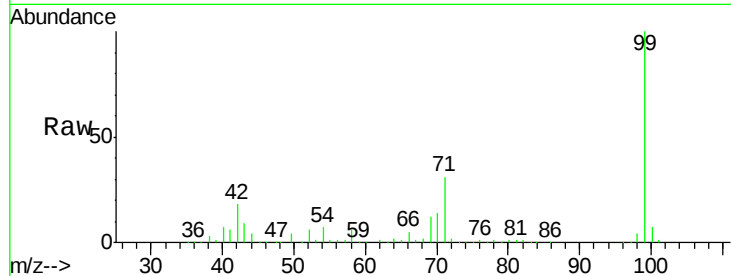
Tgt Ion: 99 Resp: 522551

Ion Ratio Lower Upper

99 100

42 18.2 11.9 17.9#

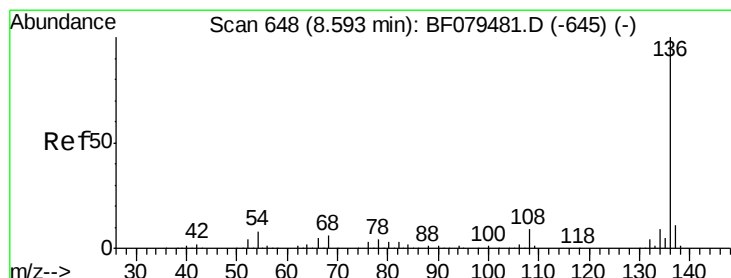
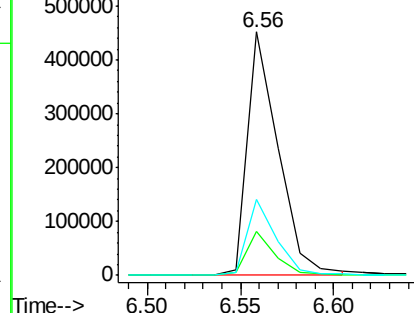
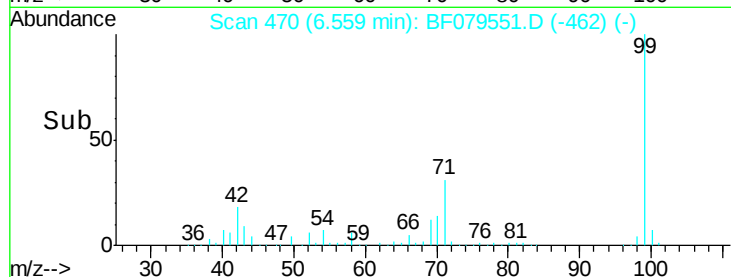
71 31.3 22.1 33.1



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: BF079551.D

Acq: 28 May 2015 18:32

Tgt Ion: 136 Resp: 277049

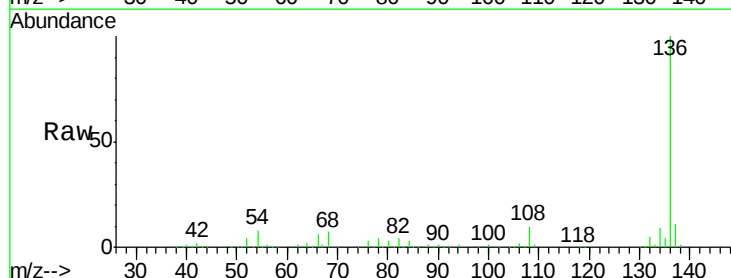
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 8.5 6.6 9.8

68 6.6 4.7 7.1

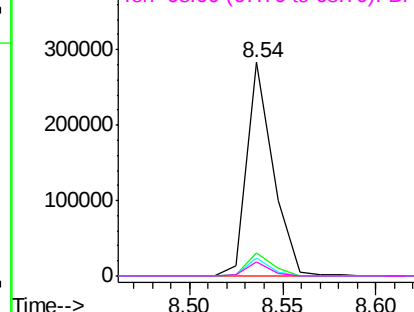
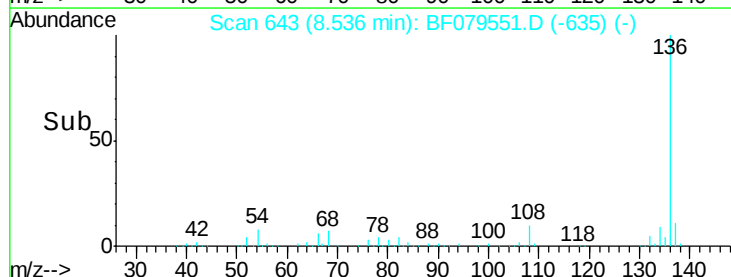


Abundance Ion 136.00 (135.70 to 136.70): E

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

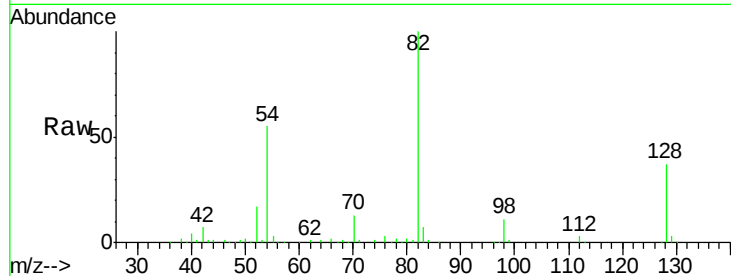




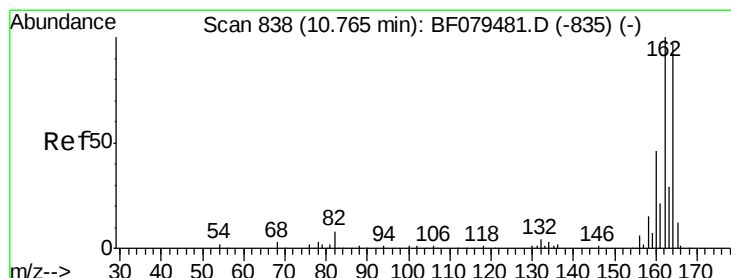
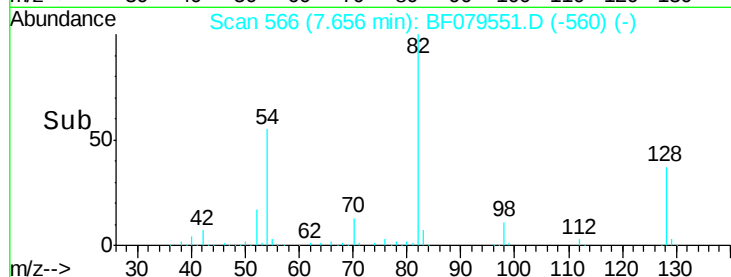
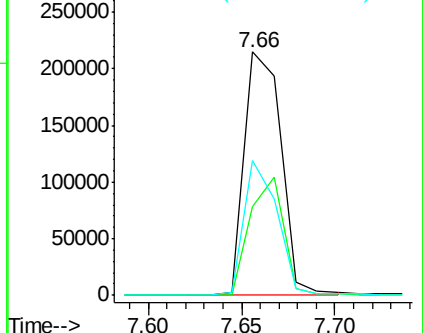
#23
Nitrobenzene-d5
Concen: 61.34 ng
RT: 7.66 min Scan# 566
Delta R.T. -0.01 min
Lab File: BF079551.D
Acq: 28 May 2015 18:32

Instrument :
BNA_G
ClientSampleId :
TP-9-SS

Tgt Ion: 82 Resp: 294008
Ion Ratio Lower Upper
82 100
128 36.7 30.8 46.2
54 55.3 42.8 64.2

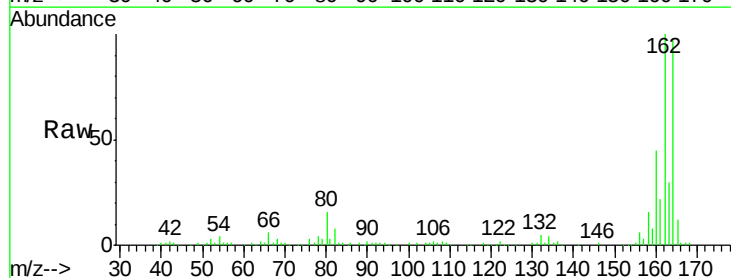


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

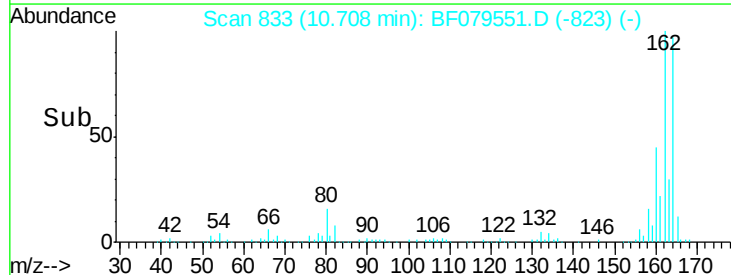
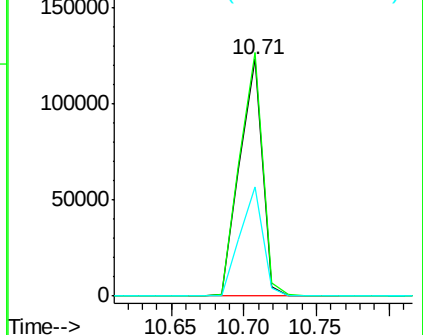


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.71 min Scan# 833
Delta R.T. -0.00 min
Lab File: BF079551.D
Acq: 28 May 2015 18:32

Tgt Ion: 164 Resp: 134115
Ion Ratio Lower Upper
164 100
162 102.9 82.6 124.0
160 46.4 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

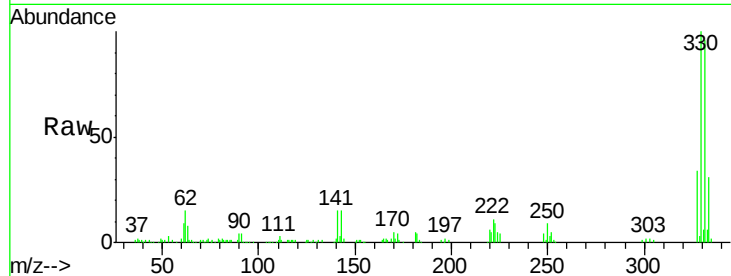




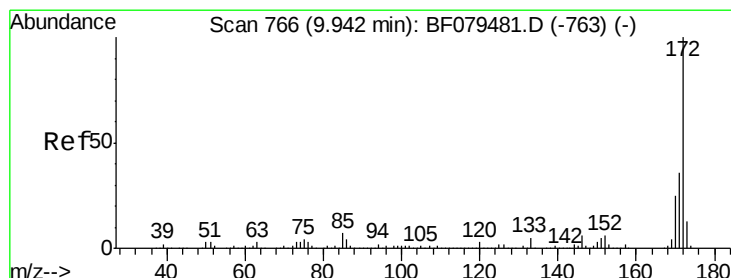
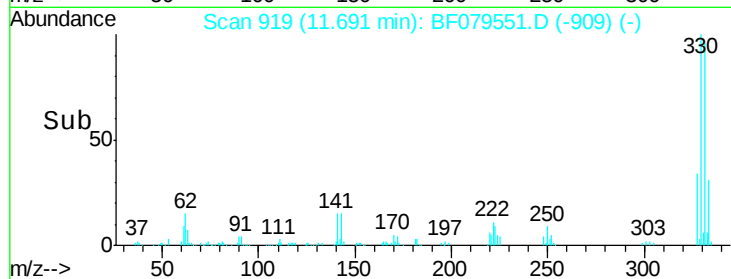
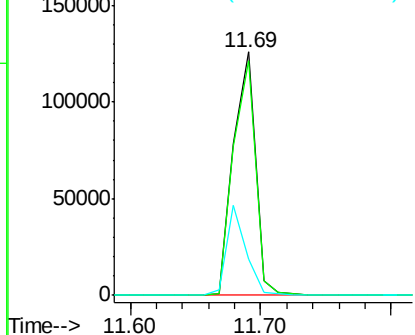
#41
 2,4,6-Tribromophenol
 Concen: 100.79 ng
 RT: 11.69 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BF079551.D
 Acq: 28 May 2015 18:32

Instrument :
 BNA_G
 ClientSampleId :
 TP-9-SS

Tgt Ion:330 Resp: 148471
 Ion Ratio Lower Upper
 330 100
 332 96.9 0.0 0.0#
 141 33.1 0.0 0.0#

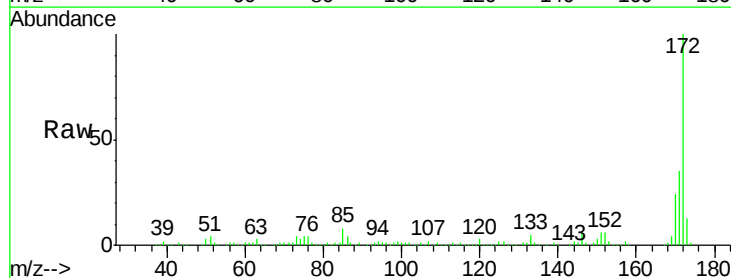


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

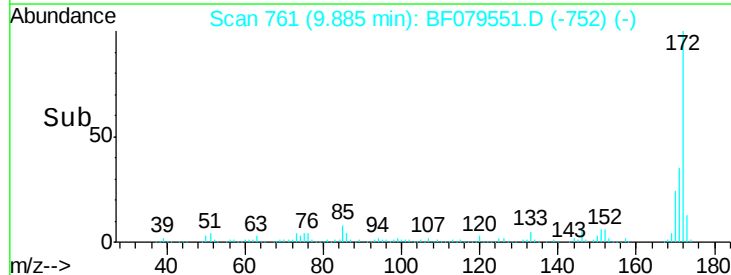
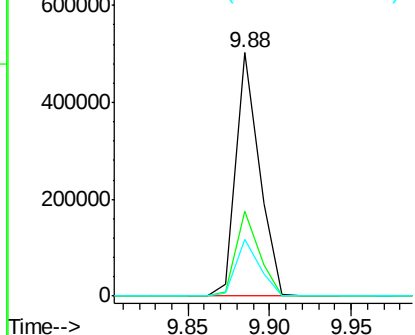


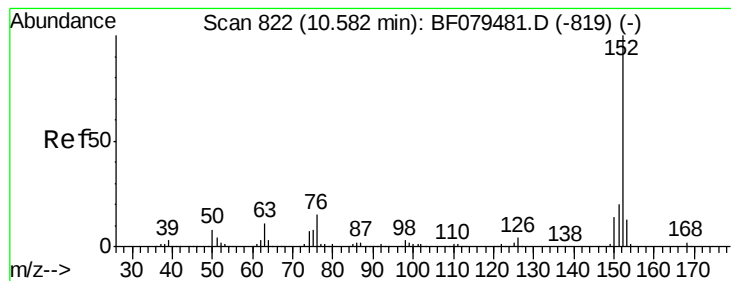
#44
 2-Fluorobiphenyl
 Concen: 52.86 ng
 RT: 9.88 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BF079551.D
 Acq: 28 May 2015 18:32

Tgt Ion:172 Resp: 496878
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.5 42.7
 170 23.5 19.7 29.5



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





#48

Acenaphthylene

Concen: 2.98 ng

RT: 10.52 min Scan# 817

Delta R.T. -0.01 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

Instrument :

BNA_G

ClientSampleId :

TP-9-SS

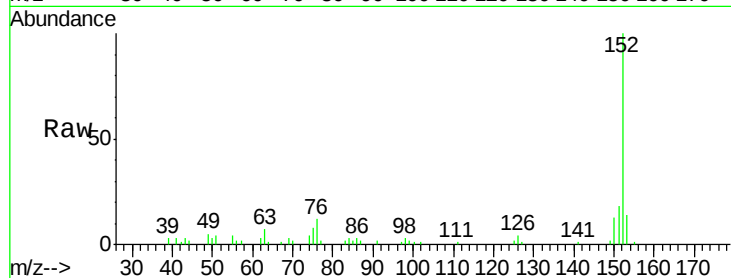
Tgt Ion:152 Resp: 40904

Ion Ratio Lower Upper

152 100

151 18.4 15.8 23.8

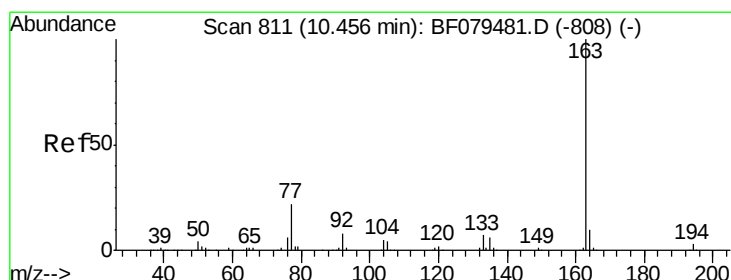
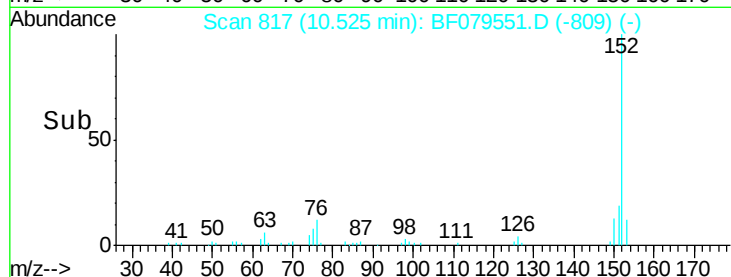
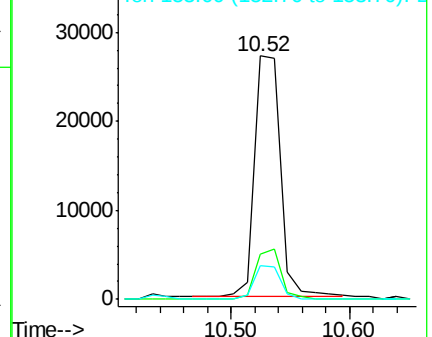
153 13.6 10.7 16.1



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: 3.84 ng

RT: 10.40 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

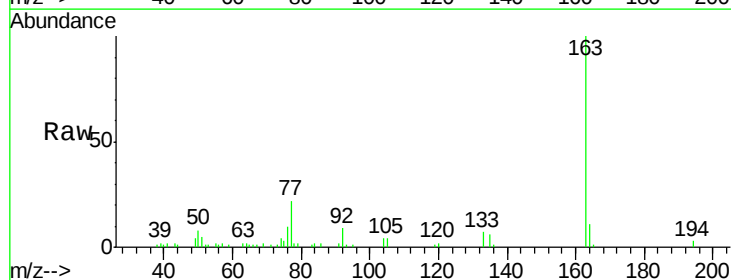
Tgt Ion:163 Resp: 37947

Ion Ratio Lower Upper

163 100

194 3.4 2.4 3.6

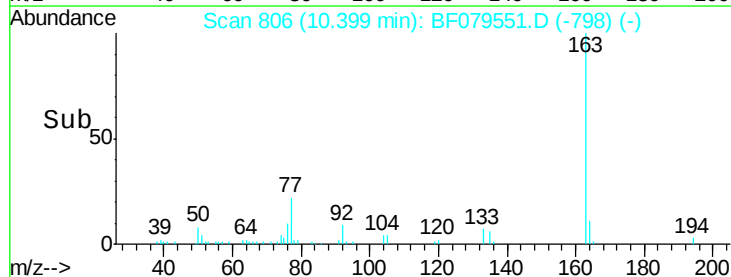
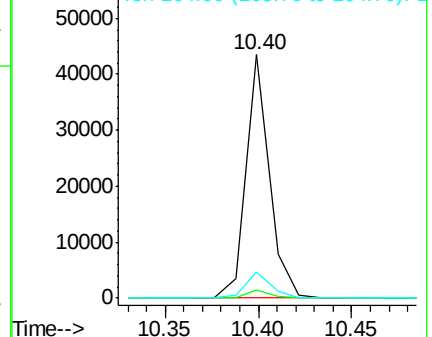
164 10.7 8.2 12.4

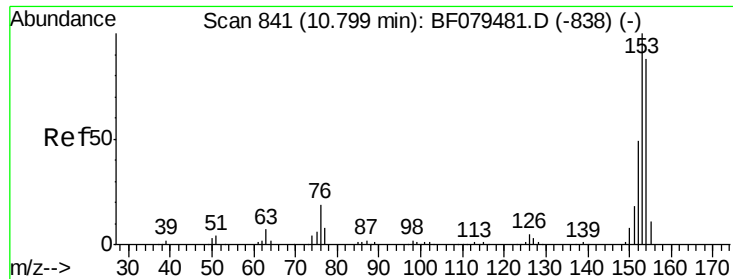


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.25 ng

RT: 10.74 min Scan# 836

Delta R.T. -0.00 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

Instrument :

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ClientSampleId :

TP-9-SS

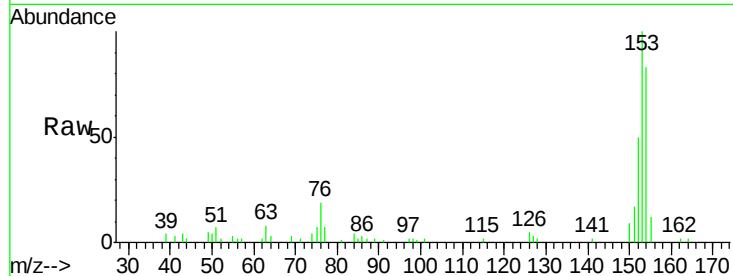
Tgt Ion:154 Resp: 17660

Ion Ratio Lower Upper

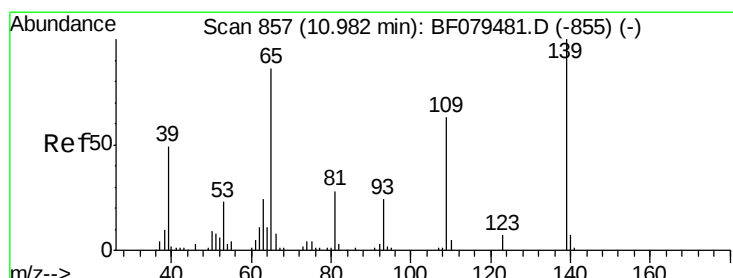
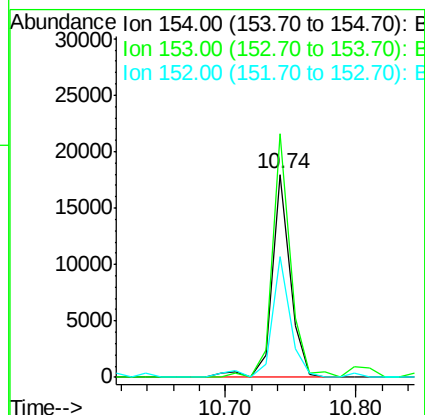
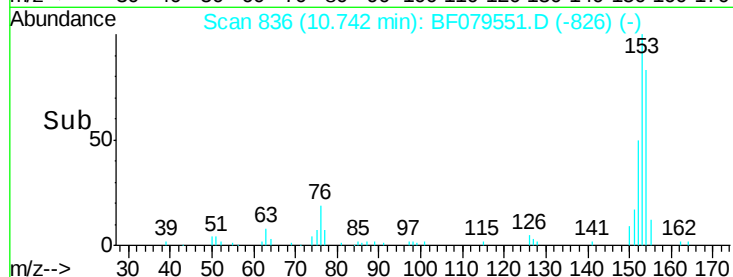
154 100

153 119.9 91.1 136.7

152 59.7 44.6 66.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

4-Nitrophenol

Concen: 3.28 ng

RT: 10.96 min Scan# 855

Delta R.T. 0.03 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

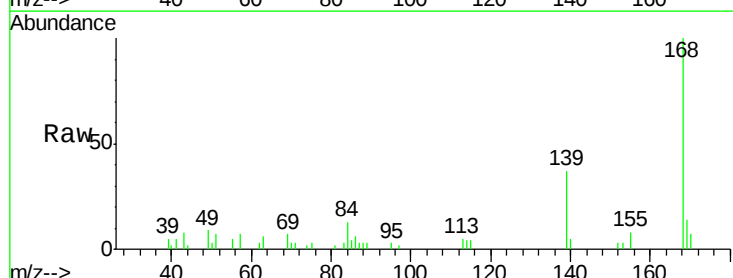
Tgt Ion:139 Resp: 4671

Ion Ratio Lower Upper

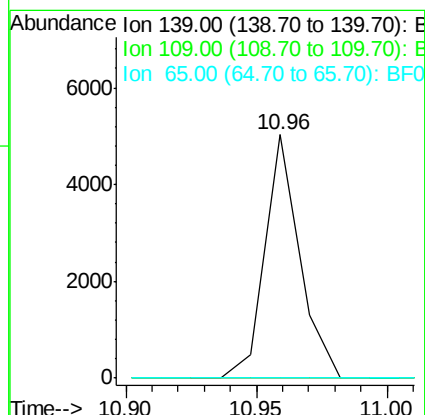
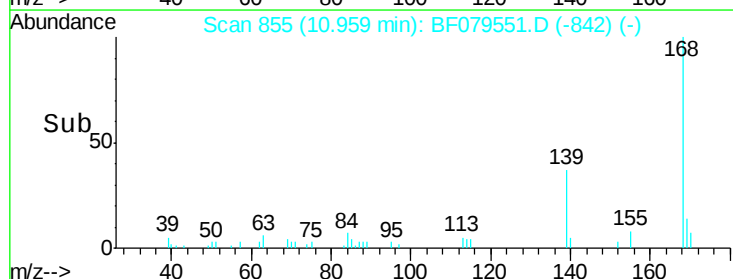
139 100

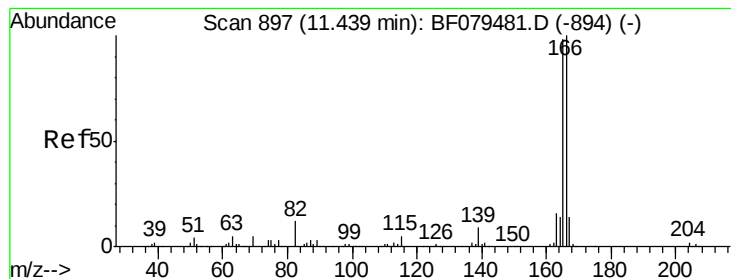
109 0.0 42.8 82.8#

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





#57

Fluorene

Concen: 2.58 ng

RT: 11.38 min Scan# 892

Delta R.T. -0.00 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

Instrument :

BNA_G

ClientSampleId :

TP-9-SS

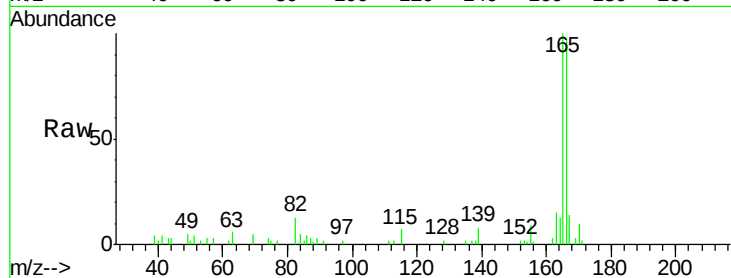
Tgt Ion:166 Resp: 24664

Ion Ratio Lower Upper

166 100

165 103.0 78.6 117.8

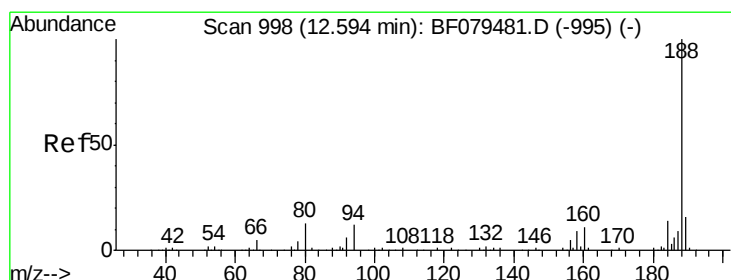
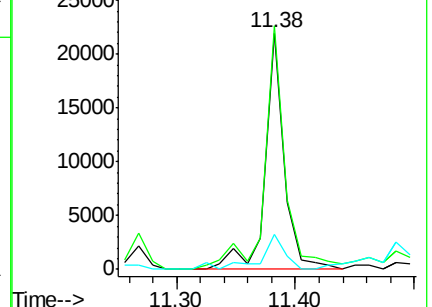
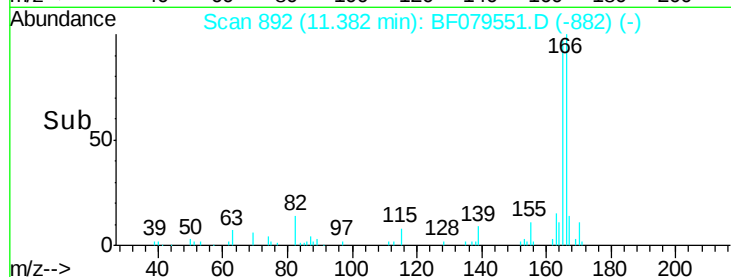
167 14.7 10.8 16.2



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: 12.54 min Scan# 993

Delta R.T. -0.00 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

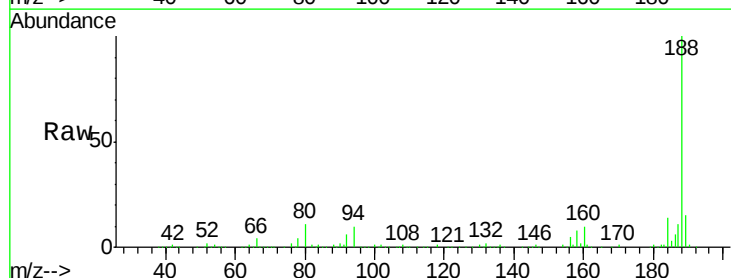
Tgt Ion:188 Resp: 251871

Ion Ratio Lower Upper

188 100

94 10.4 9.8 14.6

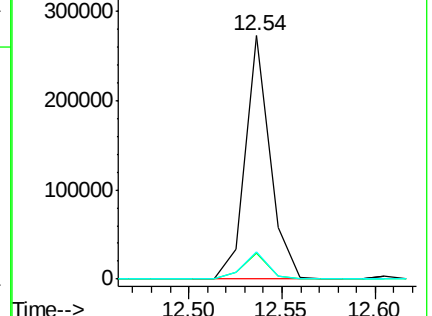
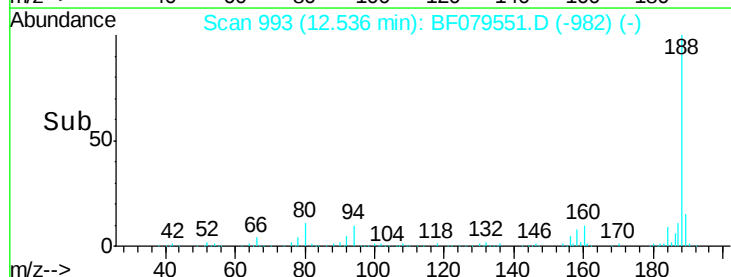
80 11.1 10.5 15.7

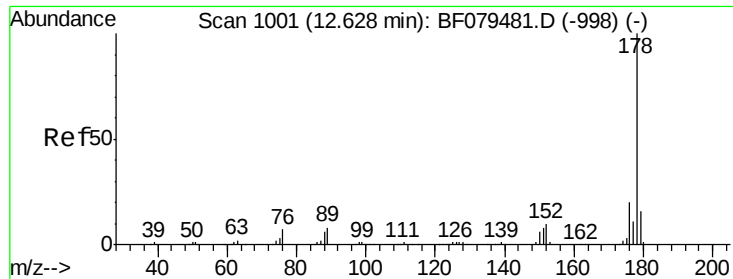


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

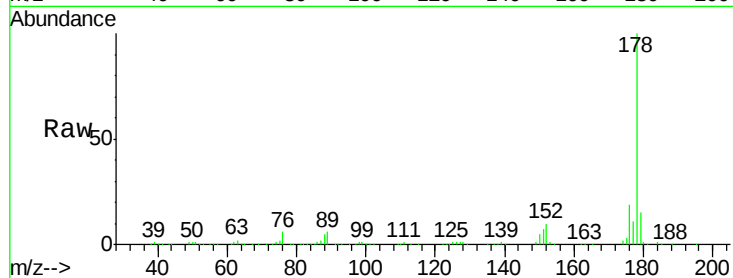




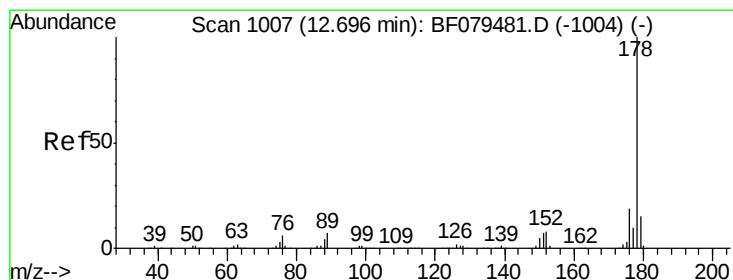
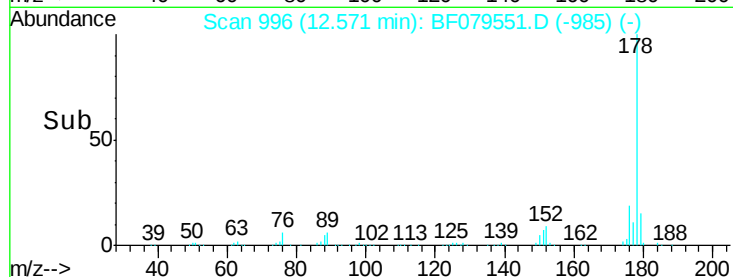
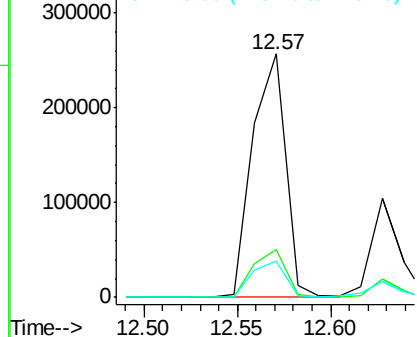
#70
Phenanthrene
Concen: 22.85 ng
RT: 12.57 min Scan# 996
Delta R.T. -0.00 min
Lab File: BF079551.D
Acq: 28 May 2015 18:32

Instrument :
BNA_G
ClientSampleId :
TP-9-SS

Tgt Ion:178 Resp: 315803
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 14.9 12.4 18.6

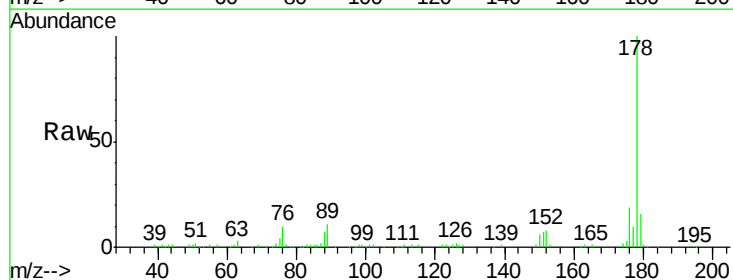


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

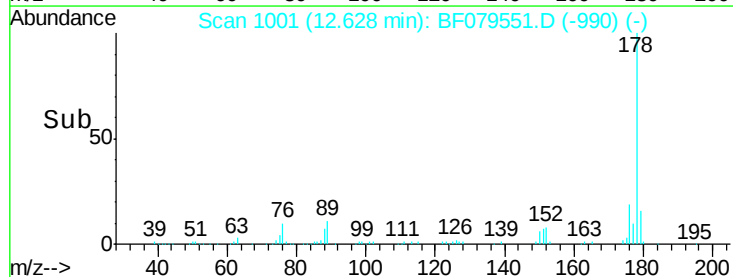
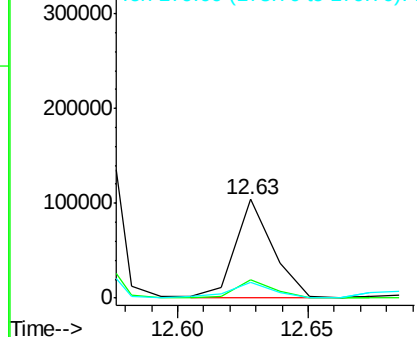


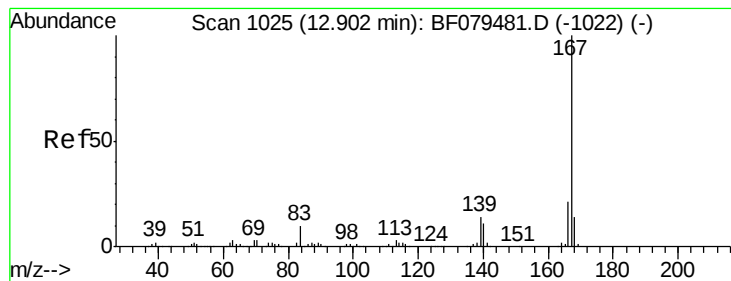
#71
Anthracene
Concen: 7.38 ng
RT: 12.63 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF079551.D
Acq: 28 May 2015 18:32

Tgt Ion:178 Resp: 103491
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.6 12.2 18.4



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





#72

Carbazole

Concen: 2.50 ng

RT: 12.85 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

Instrument :

BNA_G

ClientSampleId :

TP-9-SS

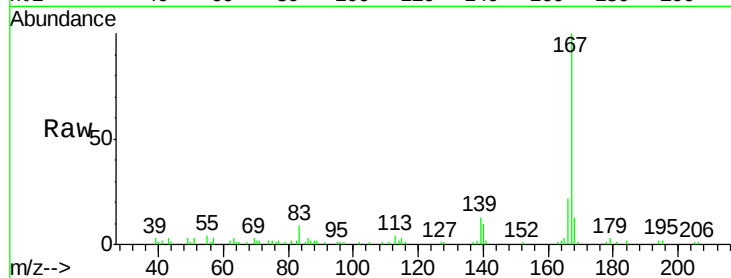
Tgt Ion:167 Resp: 33818

Ion Ratio Lower Upper

167 100

166 22.5 17.0 25.4

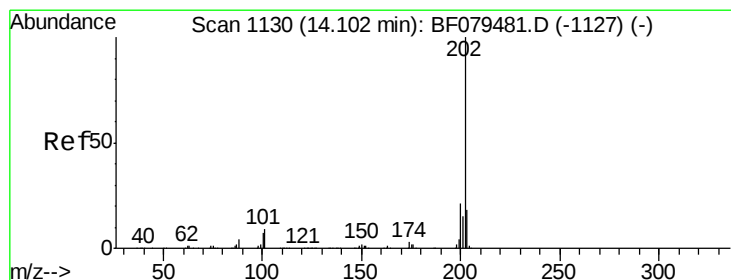
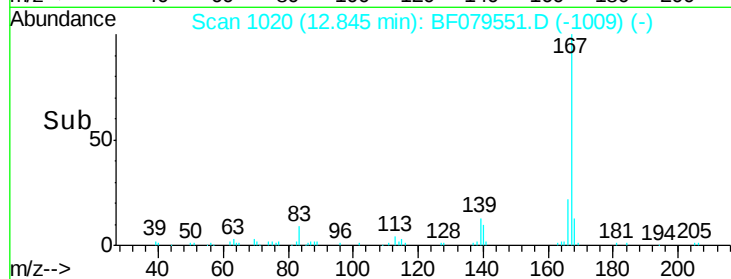
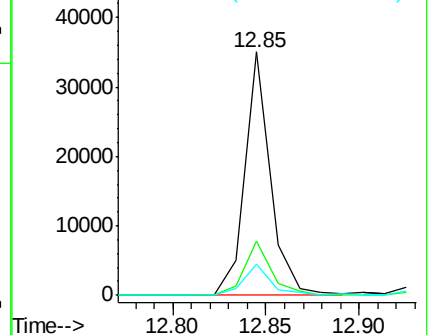
139 13.0 11.2 16.8



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 39.39 ng

RT: 14.03 min Scan# 1124

Delta R.T. -0.00 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

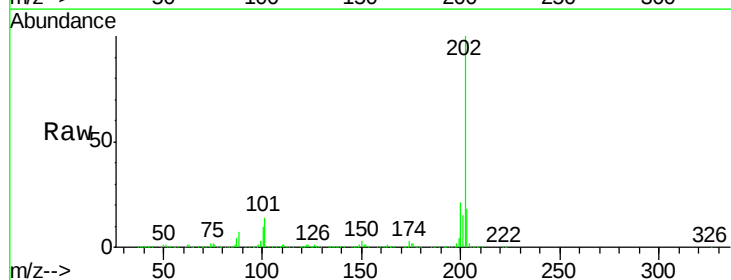
Tgt Ion:202 Resp: 583628

Ion Ratio Lower Upper

202 100

101 14.0 0.0 29.3

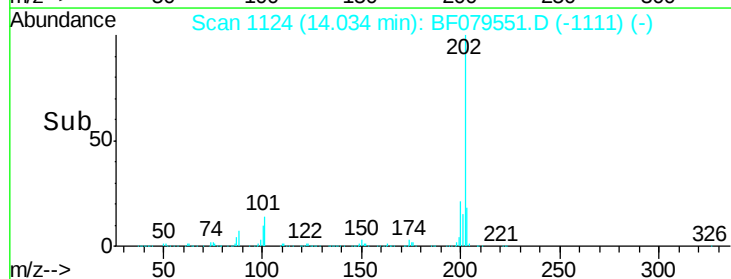
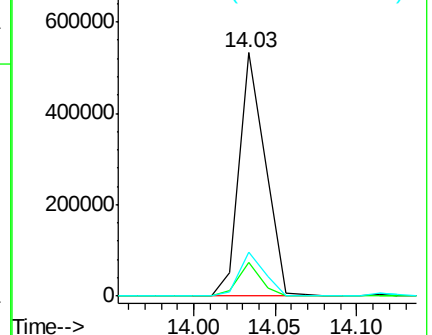
203 18.0 0.0 37.6

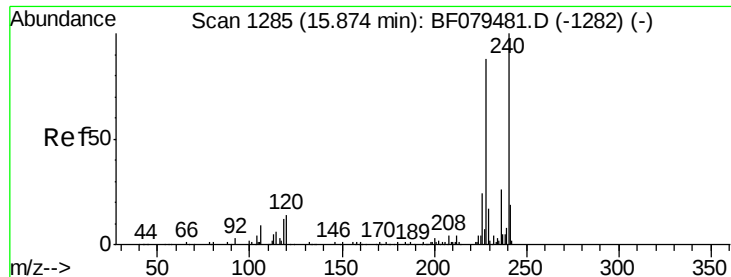


Abundance Ion 202.00 (201.70 to 202.70): E

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: 15.81 min Scan# 1279

Delta R.T. -0.03 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

Instrument :

BNA_G

ClientSampleId :

TP-9-SS

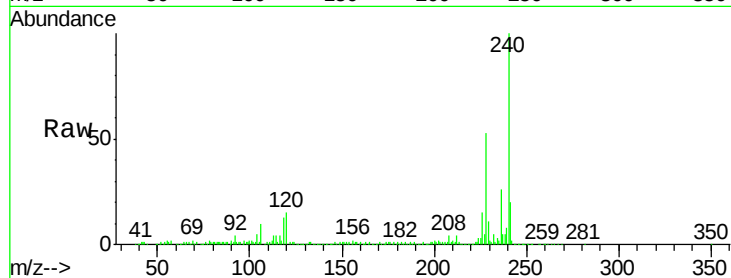
Tgt Ion:240 Resp: 279754

Ion Ratio Lower Upper

240 100

120 14.9 10.8 16.2

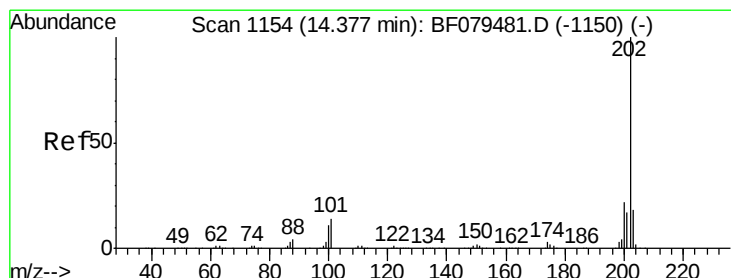
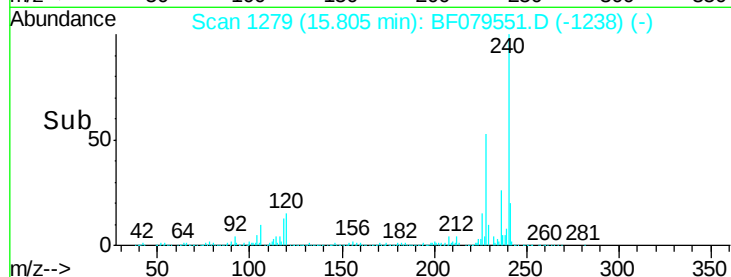
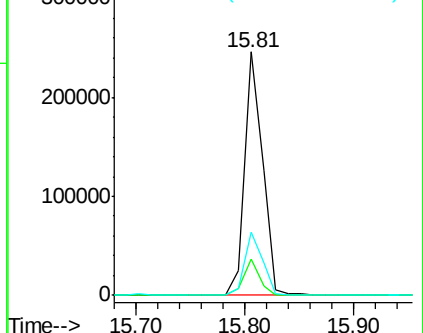
236 25.8 21.0 31.6



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: 28.58 ng

RT: 14.31 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

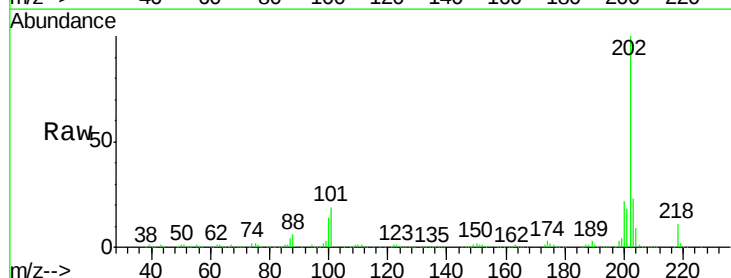
Tgt Ion:202 Resp: 495294

Ion Ratio Lower Upper

202 100

200 22.0 17.5 26.3

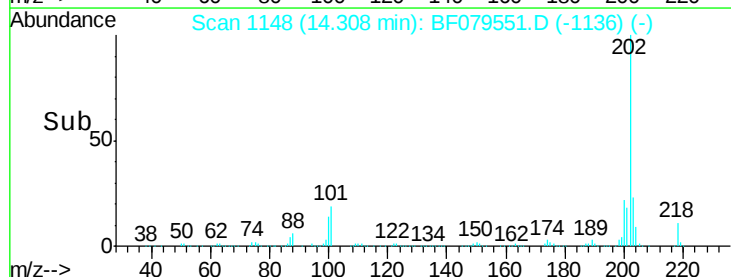
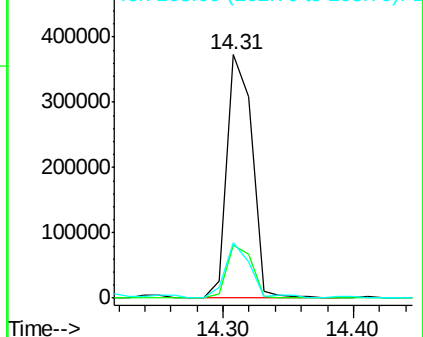
203 23.0 14.4 21.6#

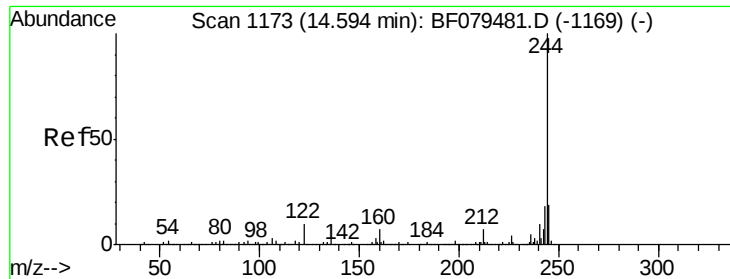


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 51.74 ng

RT: 14.53 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

Instrument :

BNA_G

ClientSampleId :

TP-9-SS

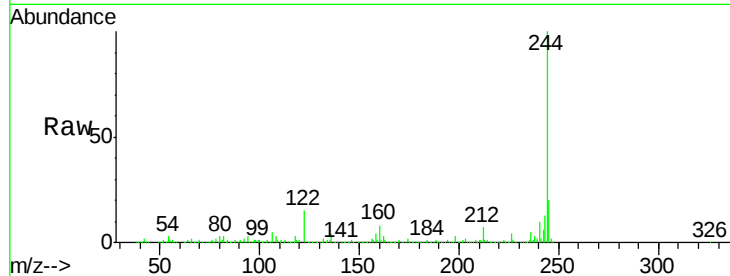
Tgt Ion:244 Resp: 616785

Ion Ratio Lower Upper

244 100

212 7.0 5.2 7.8

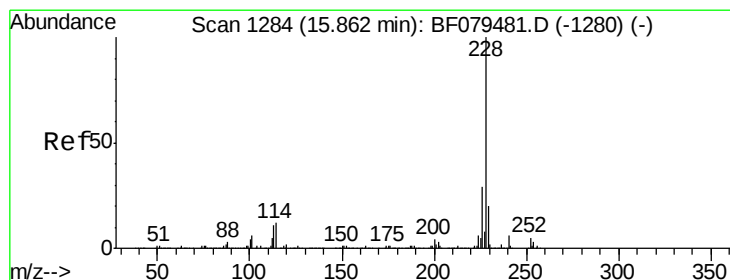
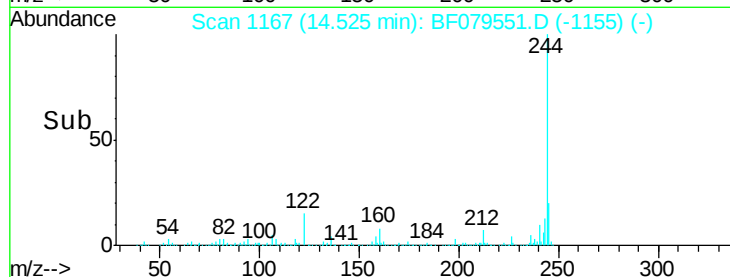
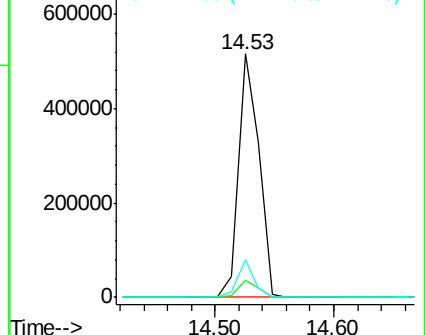
122 15.2 8.0 12.0#



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: 19.50 ng

RT: 15.79 min Scan# 1278

Delta R.T. -0.03 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

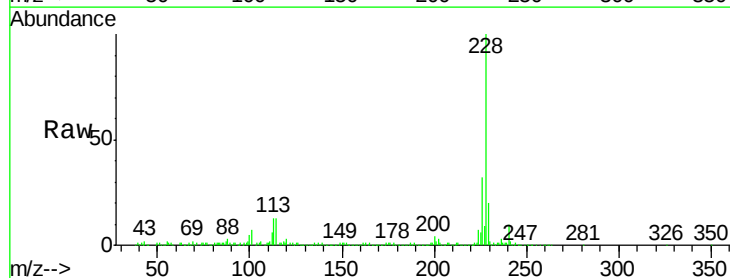
Tgt Ion:228 Resp: 313742

Ion Ratio Lower Upper

228 100

226 31.9 22.8 34.2

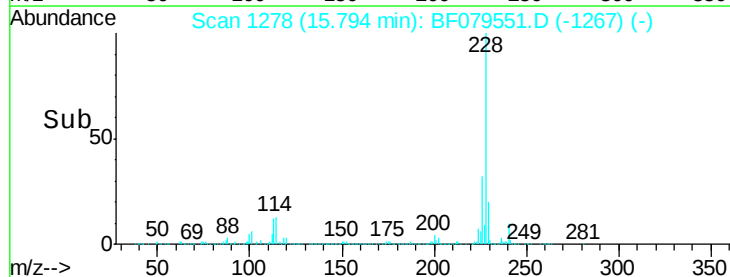
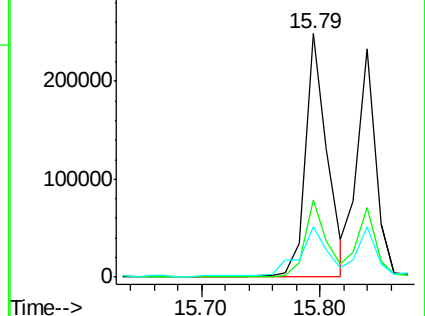
229 20.4 15.9 23.9

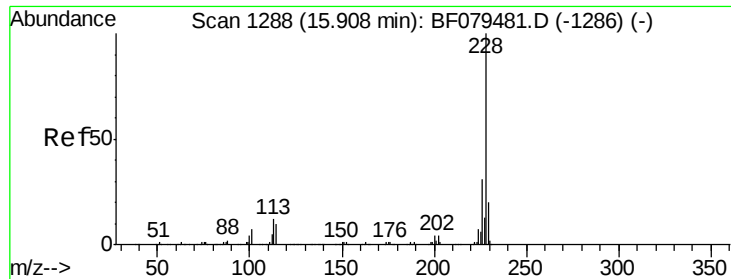


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 16.40 ng

RT: 15.84 min Scan# 1282

Delta R.T. -0.03 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

Instrument :

BNA_G

ClientSampleId :

TP-9-SS

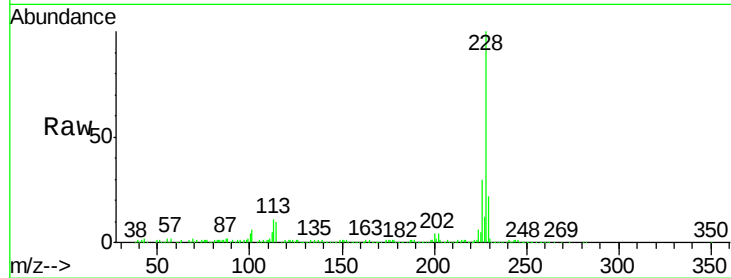
Tgt Ion:228 Resp: 250858

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.4

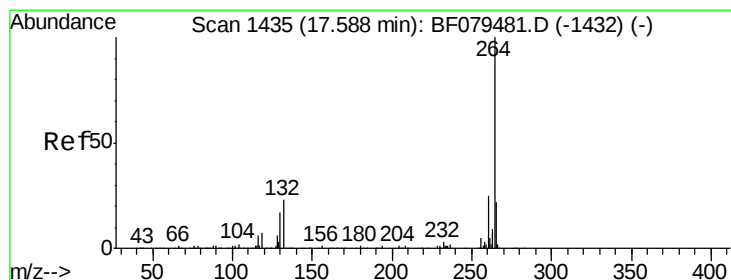
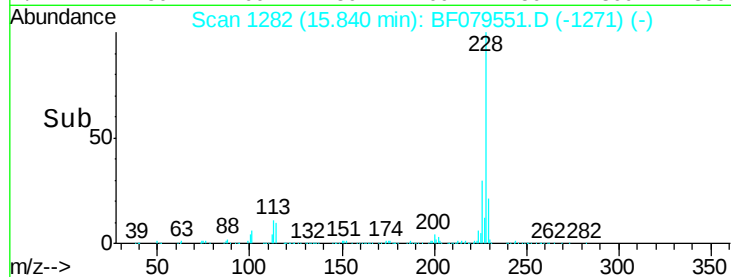
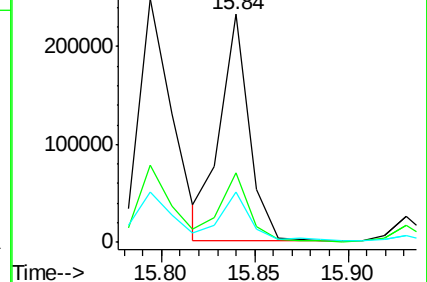
229 22.0 15.9 23.9



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: 17.49 min Scan# 1426

Delta R.T. -0.18 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

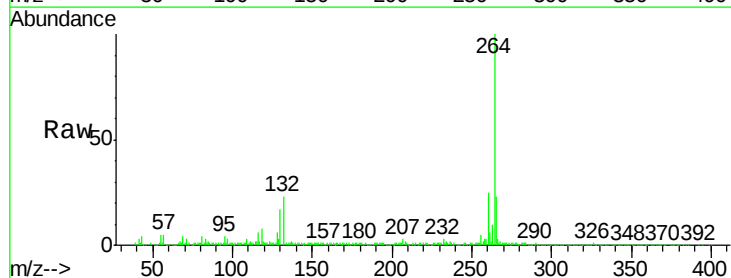
Tgt Ion:264 Resp: 300189

Ion Ratio Lower Upper

264 100

260 24.6 19.8 29.8

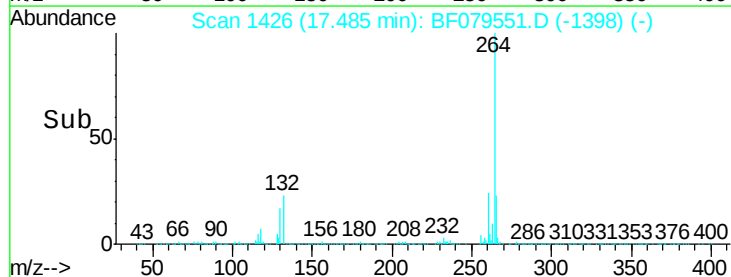
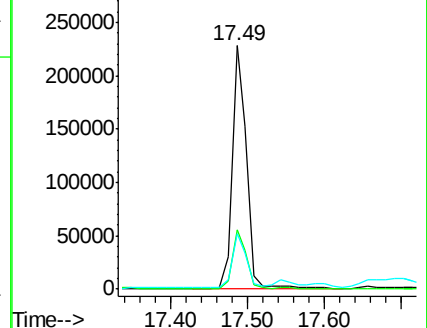
265 23.0 17.8 26.6

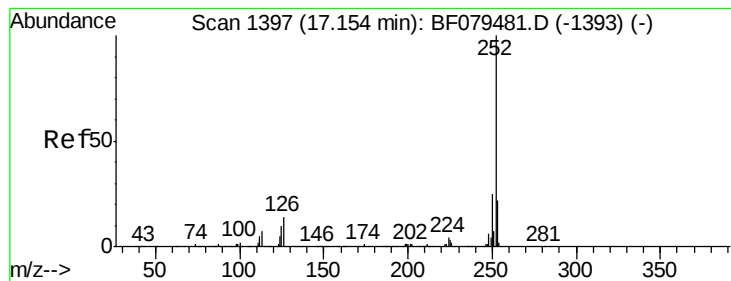


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 29.77 ng

RT: 17.06 min Scan# 1389

Delta R.T. -0.14 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

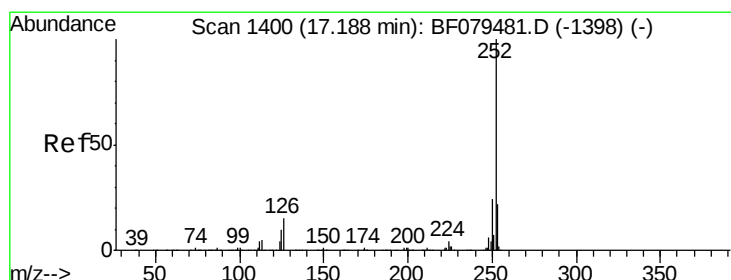
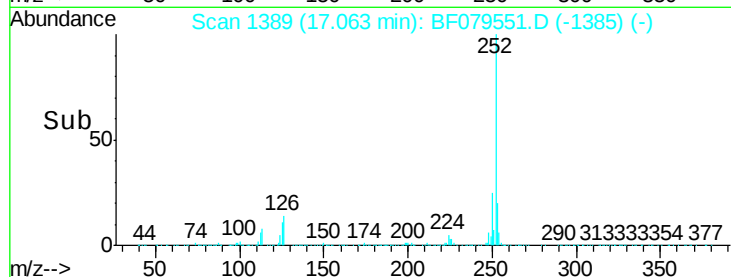
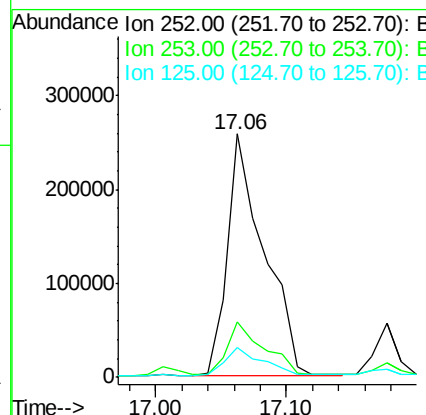
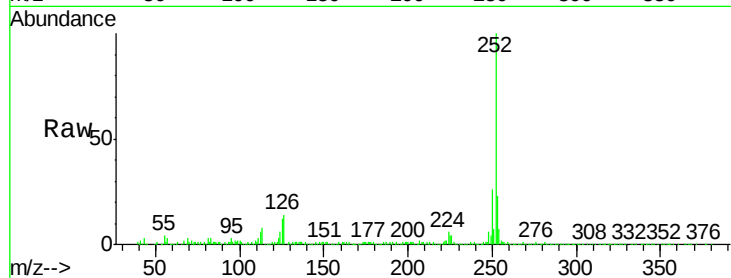
Instrument :

BNA_G

ClientSampleId :

TP-9-SS

Tgt Ion:	252	Resp:	509673
Ion Ratio		Lower	Upper
252	100		
253	22.9	17.6	26.4
125	12.2	7.8	11.6#



#88

Benzo(k)fluoranthene

Concen: 33.29 ng

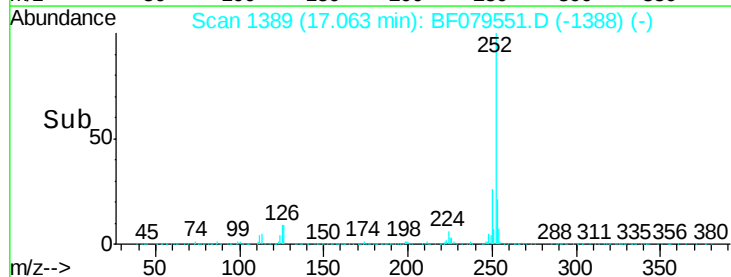
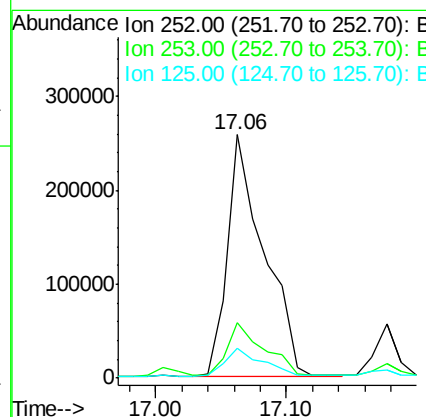
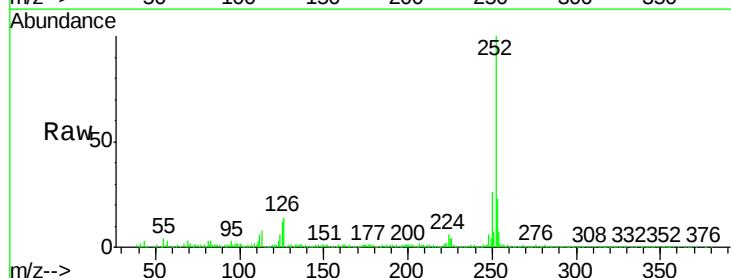
RT: 17.06 min Scan# 1389

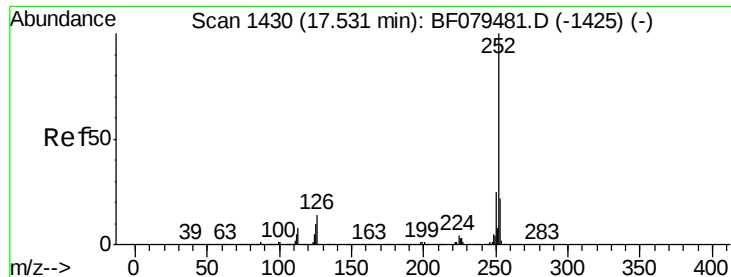
Delta R.T. -0.17 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

Tgt Ion:	252	Resp:	509673
Ion Ratio		Lower	Upper
252	100		
253	22.9	17.2	25.8
125	12.2	6.8	10.2#

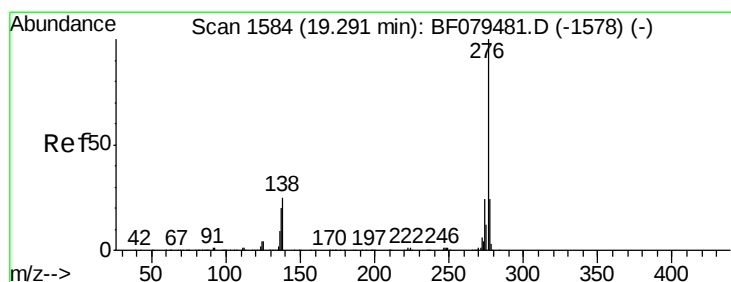
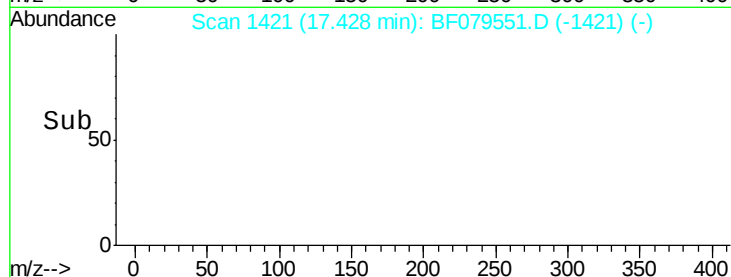
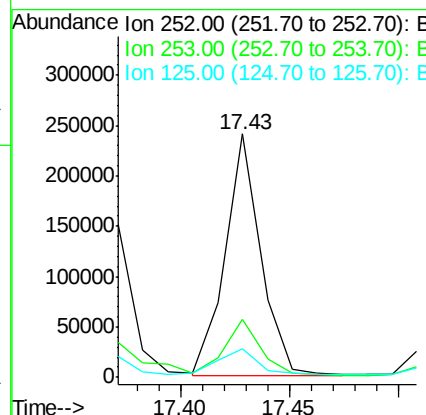
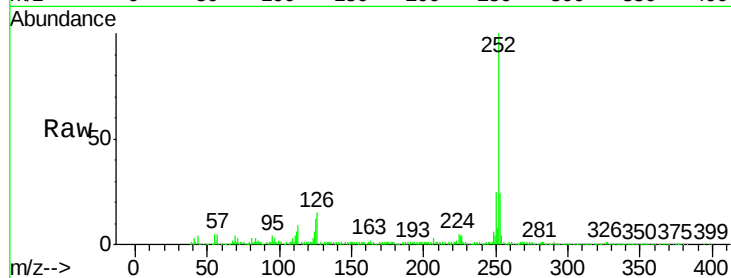




#89
Benzo(a)pyrene
Concen: 16.89 ng
RT: 17.43 min Scan# 1421
Delta R.T. -0.18 min
Lab File: BF079551.D
Acq: 28 May 2015 18:32

Instrument :
BNA_G
ClientSampleId :
TP-9-SS

Tgt Ion: 252 Resp: 271622
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 11.7 7.9 11.9



#91
Benzo(g,h,i)perylene
Concen: 8.35 ng
RT: 19.14 min Scan# 1571
Delta R.T. -0.26 min
Lab File: BF079551.D
Acq: 28 May 2015 18:32

Tgt Ion: 276 Resp: 161909
Ion Ratio Lower Upper
276 100
277 23.9 19.1 28.7
138 25.9 20.1 30.1

