

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052815\
 Data File : BF079547.D
 Acq On : 28 May 2015 16:35
 Operator : TP/IZ
 Sample : G2386-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-8-SS

Quant Time: May 29 08:46:49 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	76013	20.00	ng	0.00
21) Naphthalene-d8	8.54	136	306156	20.00	ng	0.00
38) Acenaphthene-d10	10.71	164	143735	20.00	ng	0.00
63) Phenanthrene-d10	12.54	188	262177	20.00	ng	0.00
75) Chrysene-d12	15.81	240	273542	20.00	ng	-0.03
86) Perylene-d12	17.47	264	295064	20.00	ng	-0.19

System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	446049	101.78	ng	0.01
7) Phenol-d6	6.56	99	603751	108.08	ng	0.00
23) Nitrobenzene-d5	7.66	82	354624	66.96	ng	-0.01
41) 2,4,6-Tribromophenol	11.69	330	159226	100.86	ng	0.00
44) 2-Fluorobiphenyl	9.88	172	671445	66.65	ng	0.00
78) Terphenyl-d14	14.53	244	702231	60.25	ng	-0.01

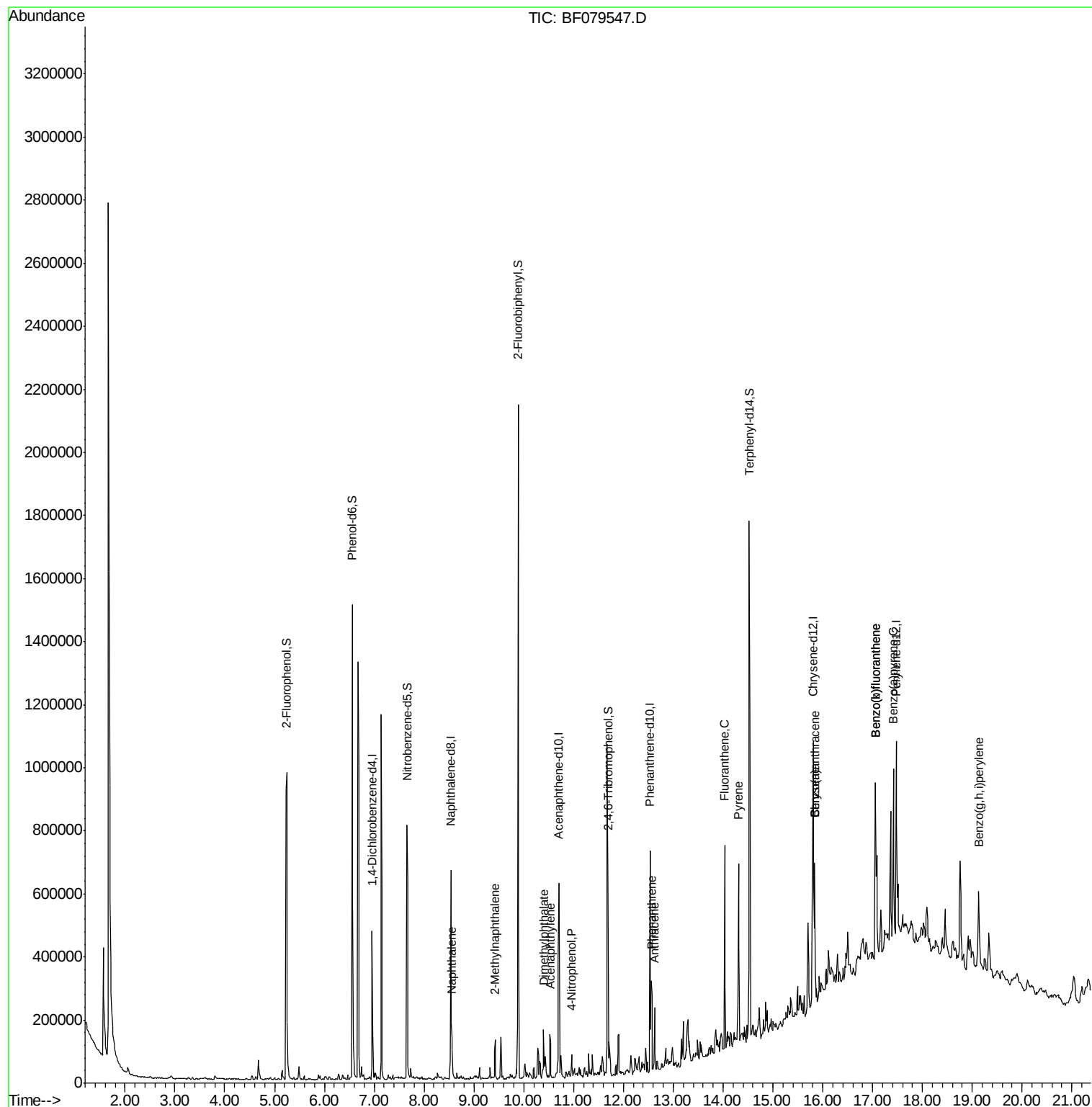
Target Compounds				Qvalue		
9) Benzaldehyde	6.42	77	1141	Below Cal	#	63
31) Naphthalene	8.56	128	64482	4.39	ng	97
37) 2-Methylnaphthalene	9.43	142	45820	4.49	ng	99
48) Acenaphthylene	10.52	152	75359	5.12	ng	100
49) Dimethylphthalate	10.40	163	57219	5.40	ng	99
55) 4-Nitrophenol	10.96	139	9264	6.07	ng	# 15
70) Phenanthrene	12.57	178	154155	10.72	ng	98
71) Anthracene	12.63	178	83575	5.72	ng	99
73) Di-n-butylphthalate	13.30	149	5260	Below Cal	#	79
74) Fluoranthene	14.03	202	279036	18.09	ng	95
77) Pyrene	14.31	202	266650	15.73	ng	# 96
80) Benzo(a)anthracene	15.84	228	198045	12.59	ng	95
82) Chrysene	15.84	228	197395	13.20	ng	98
87) Benzo(b)fluoranthene	17.06	252	495355	29.44	ng	96
88) Benzo(k)fluoranthene	17.06	252	495355	32.92	ng	# 94
89) Benzo(a)pyrene	17.42	252	250914	15.75	ng	97
90) Dibenzo(a,h)anthracene	18.83	278	16824	Below Cal	#	71
91) Benzo(g,h,i)perylene	19.13	276	200764	11.45	ng	97

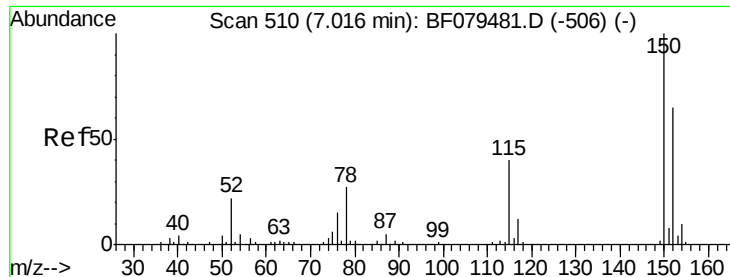
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF079547.D

Acq: 28 May 2015 16:35

Instrument :

BNA_G

ClientSampleId :

TP-8-SS

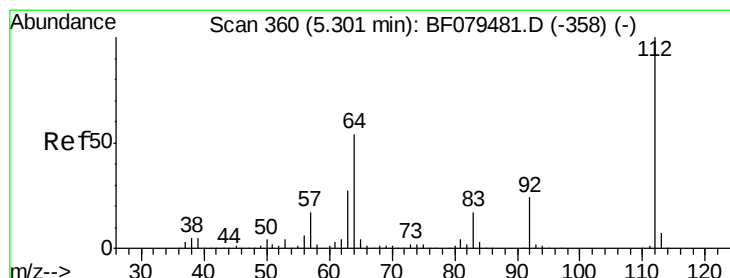
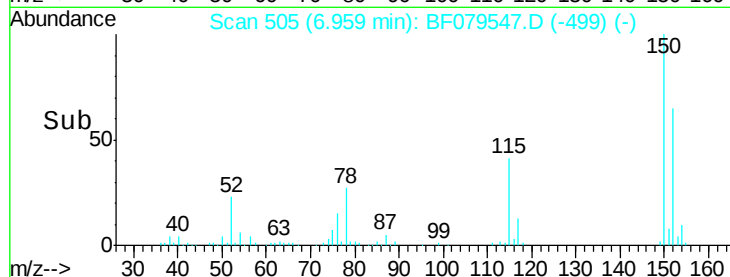
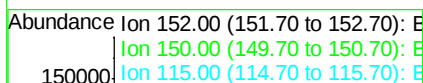
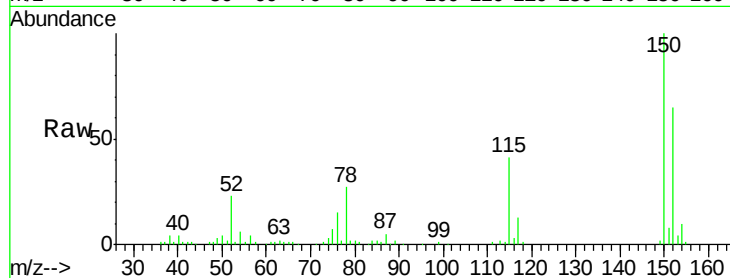
Tgt Ion:152 Resp: 76013

Ion Ratio Lower Upper

152 100

150 153.5 124.0 186.0

115 63.2 49.6 74.4



#5

2-Fluorophenol

Concen: 101.78 ng

RT: 5.24 min Scan# 355

Delta R.T. 0.01 min

Lab File: BF079547.D

Acq: 28 May 2015 16:35

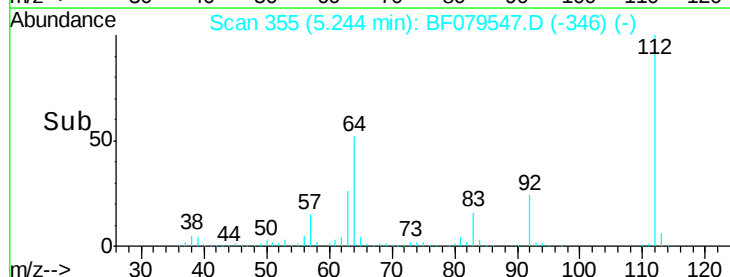
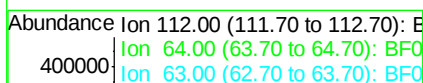
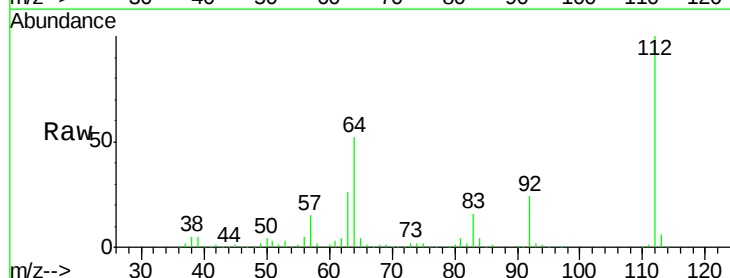
Tgt Ion:112 Resp: 446049

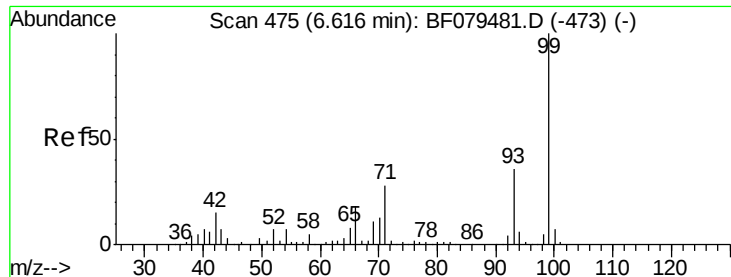
Ion Ratio Lower Upper

112 100

64 51.6 43.5 65.3

63 25.8 21.8 32.8





#7

Phenol-d6

Concen: 108.08 ng

RT: 6.56 min Scan# 470

Delta R.T. 0.00 min

Lab File: BF079547.D

Acq: 28 May 2015 16:35

Instrument :

BNA_G

ClientSampleId :

TP-8-SS

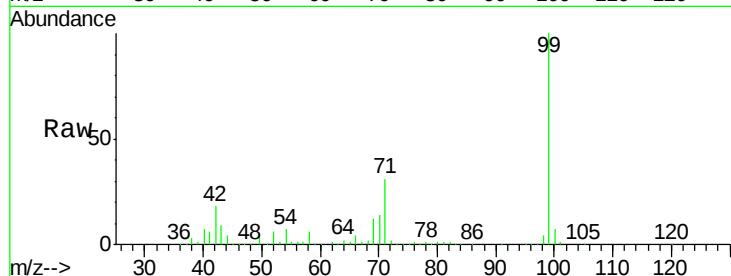
Tgt Ion: 99 Resp: 603751

Ion Ratio Lower Upper

99 100

42 17.6 11.9 17.9

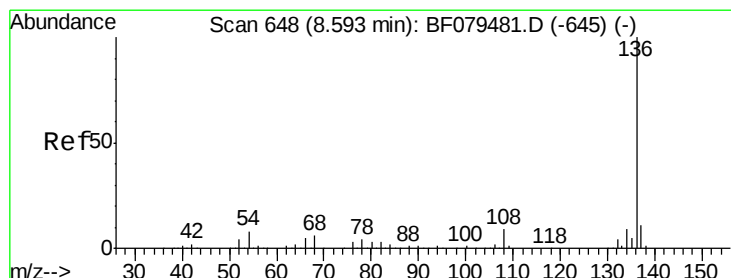
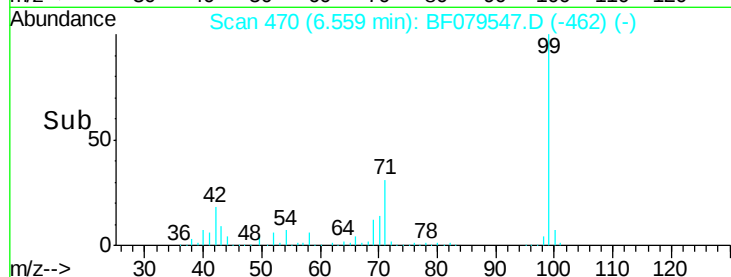
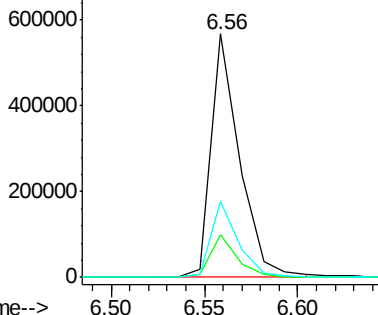
71 31.2 22.1 33.1



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: BF079547.D

Acq: 28 May 2015 16:35

Tgt Ion: 136 Resp: 306156

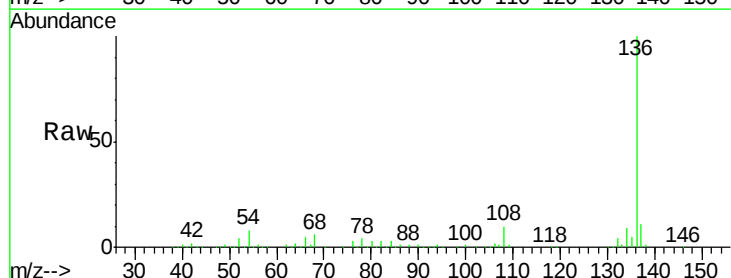
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 8.0 6.6 9.8

68 6.2 4.7 7.1

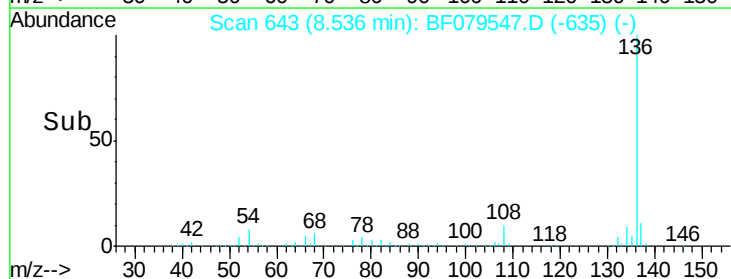
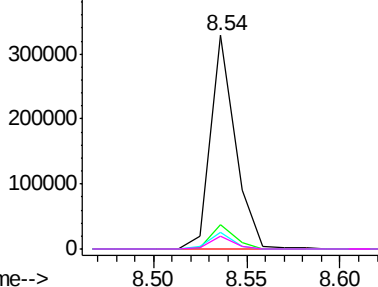


Abundance Ion 136.00 (135.70 to 136.70): E

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

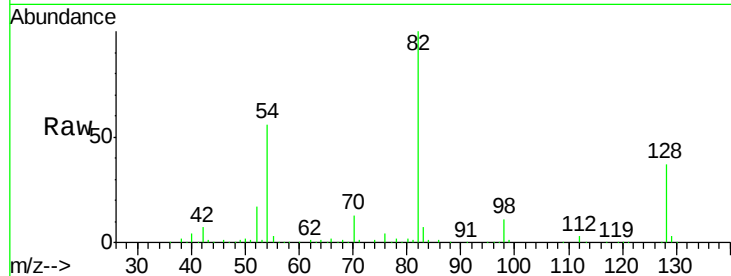




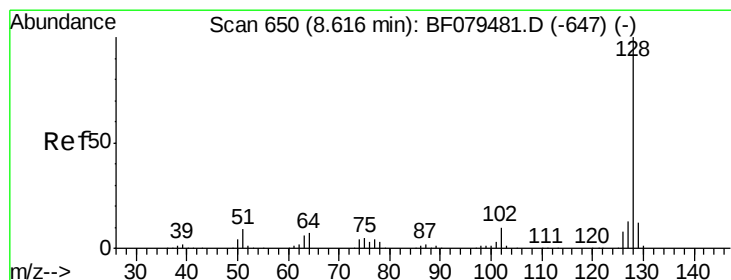
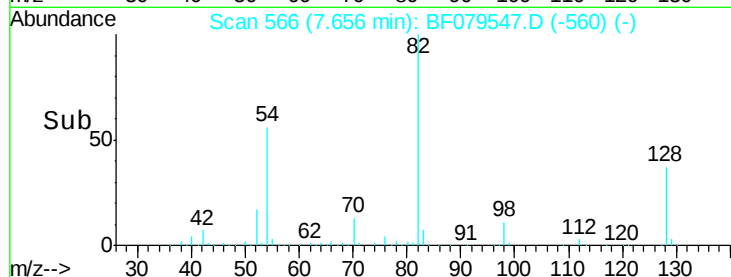
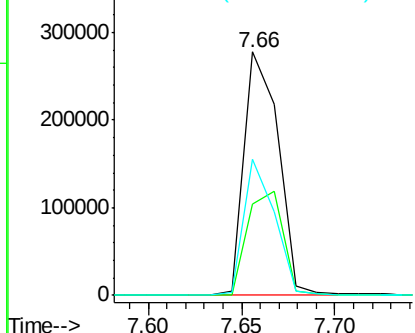
#23
 Nitrobenzene-d5
 Concen: 66.96 ng
 RT: 7.66 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: BF079547.D
 Acq: 28 May 2015 16:35

Instrument :
 BNA_G
 ClientSampleId :
 TP-8-SS

Tgt Ion: 82 Resp: 354624
 Ion Ratio Lower Upper
 82 100
 128 37.4 30.8 46.2
 54 55.9 42.8 64.2

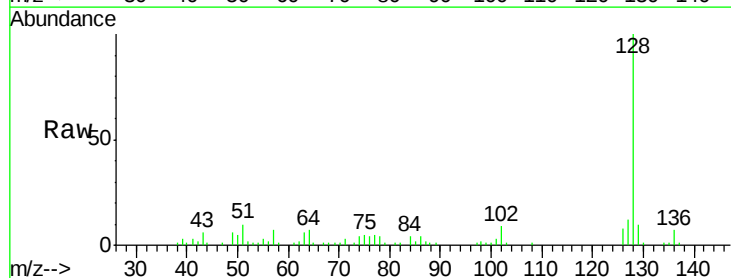


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

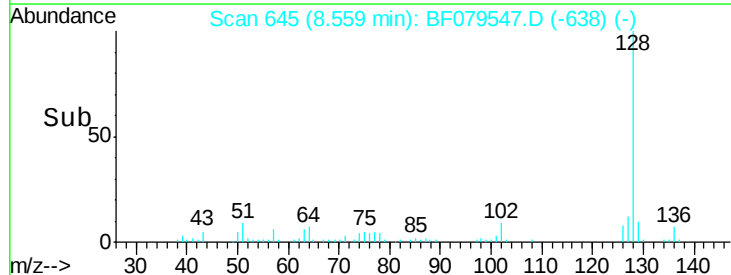
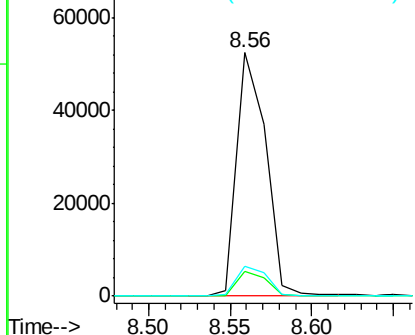


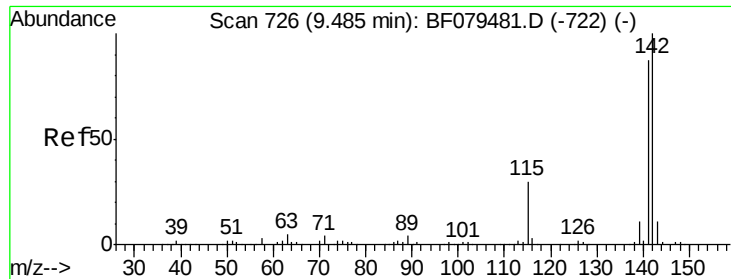
#31
 Naphthalene
 Concen: 4.39 ng
 RT: 8.56 min Scan# 645
 Delta R.T. -0.01 min
 Lab File: BF079547.D
 Acq: 28 May 2015 16:35

Tgt Ion: 128 Resp: 64482
 Ion Ratio Lower Upper
 128 100
 129 10.3 9.3 13.9
 127 12.2 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): B
 Ion 129.00 (128.70 to 129.70): B
 Ion 127.00 (126.70 to 127.70): B

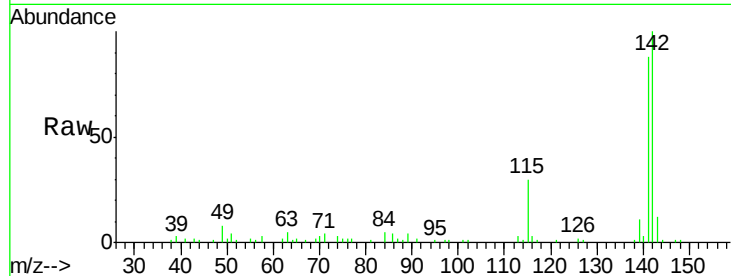




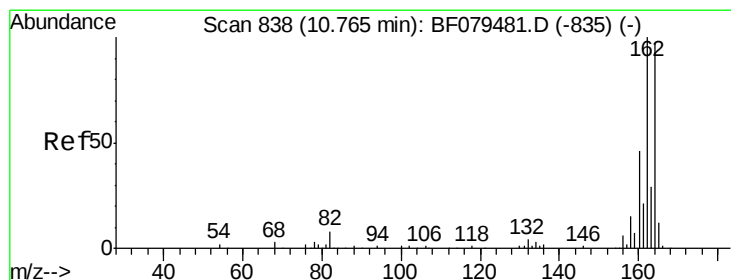
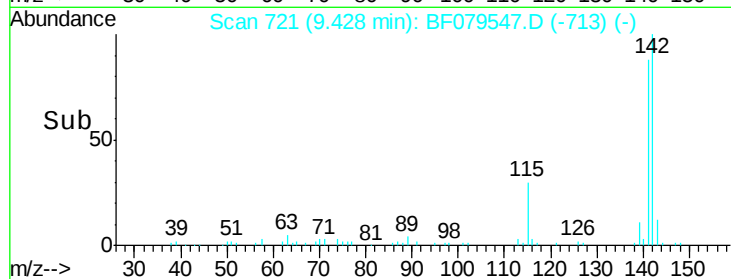
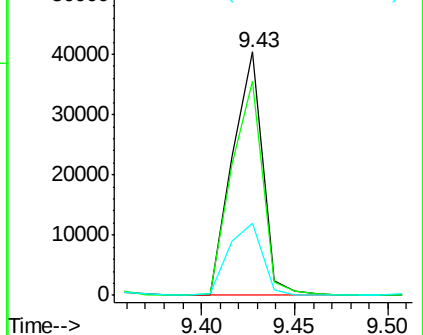
#37
 2-Methylnaphthalene
 Concen: 4.49 ng
 RT: 9.43 min Scan# 721
 Delta R.T. -0.00 min
 Lab File: BF079547.D
 Acq: 28 May 2015 16:35

Instrument :
 BNA_G
 ClientSampleId :
 TP-8-SS

Tgt Ion:142 Resp: 45820
 Ion Ratio Lower Upper
 142 100
 141 87.8 69.5 104.3
 115 29.7 23.8 35.6

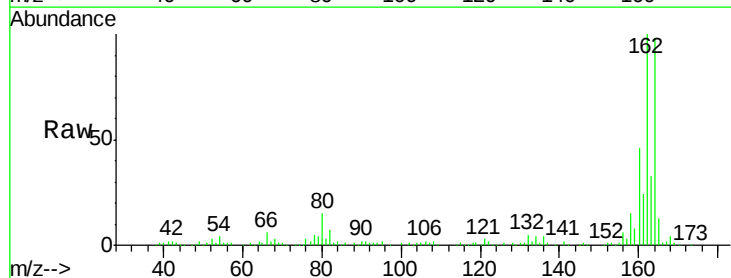


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

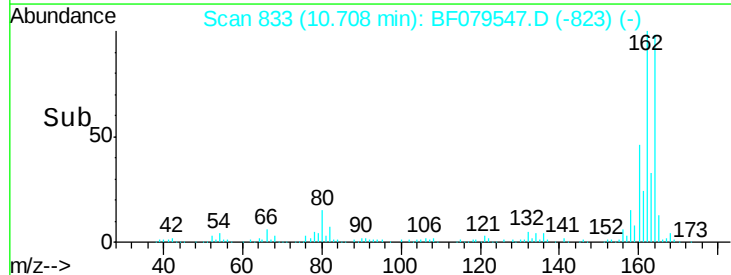
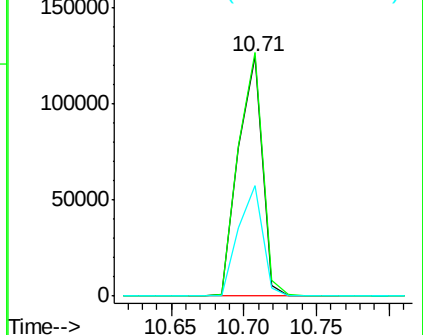


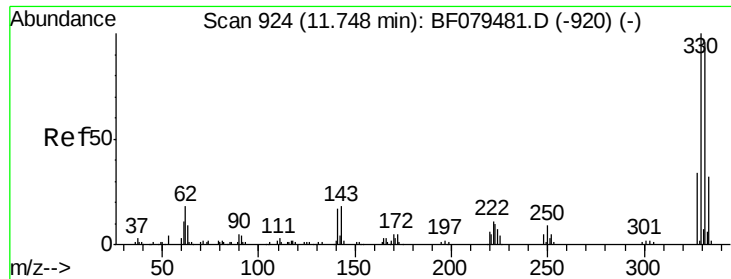
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.71 min Scan# 833
 Delta R.T. -0.00 min
 Lab File: BF079547.D
 Acq: 28 May 2015 16:35

Tgt Ion:164 Resp: 143735
 Ion Ratio Lower Upper
 164 100
 162 101.8 82.6 124.0
 160 46.3 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

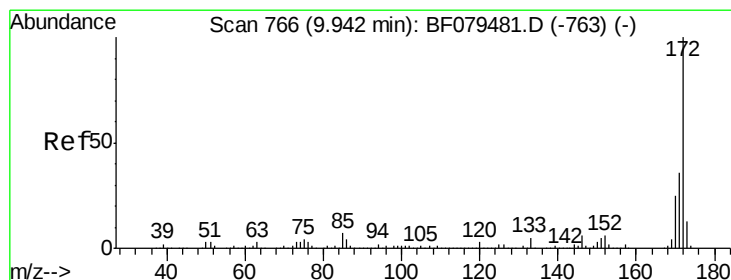
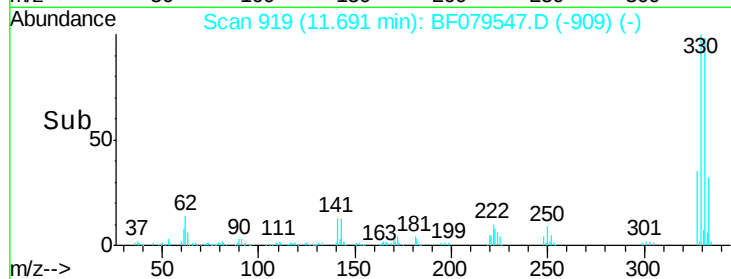
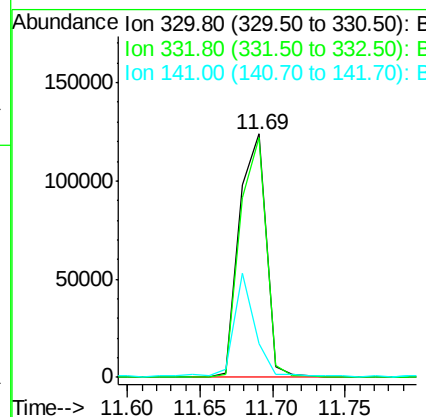
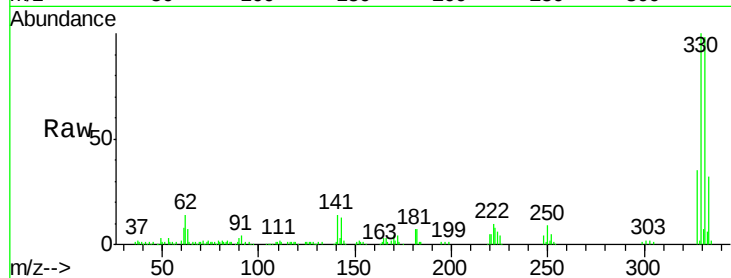




#41
 2,4,6-Tribromophenol
 Concen: 100.86 ng
 RT: 11.69 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BF079547.D
 Acq: 28 May 2015 16:35

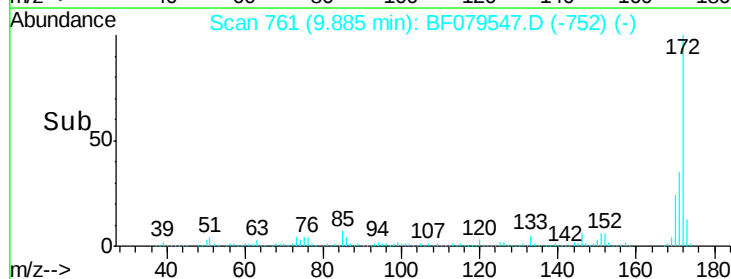
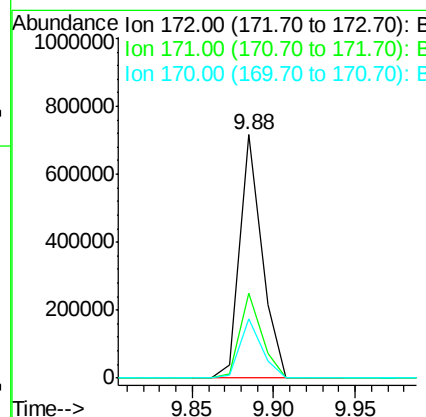
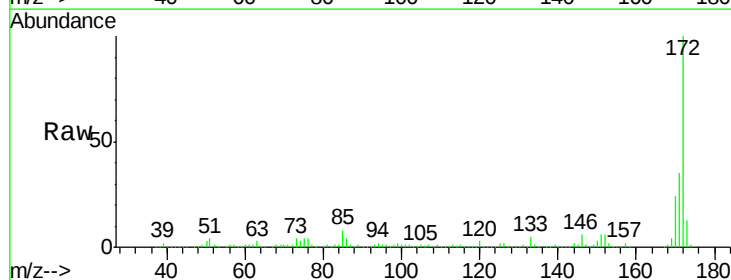
Instrument :
 BNA_G
 ClientSampleId :
 TP-8-SS

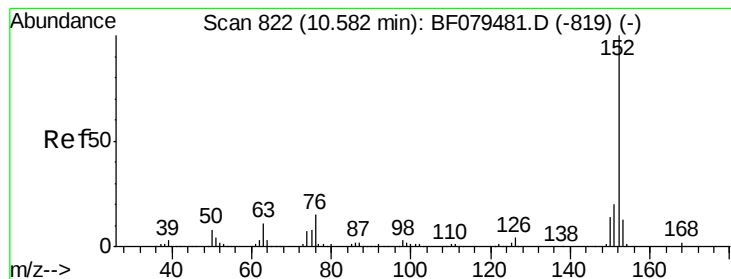
Tgt Ion:330 Resp: 159226
 Ion Ratio Lower Upper
 330 100
 332 96.3 0.0 0.0#
 141 34.2 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 66.65 ng
 RT: 9.88 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BF079547.D
 Acq: 28 May 2015 16:35

Tgt Ion:172 Resp: 671445
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.5 42.7
 170 24.3 19.7 29.5





#48

Acenaphthylene

Concen: 5.12 ng

RT: 10.52 min Scan# 817

Delta R.T. -0.01 min

Lab File: BF079547.D

Acq: 28 May 2015 16:35

Instrument :

BNA_G

ClientSampleId :

TP-8-SS

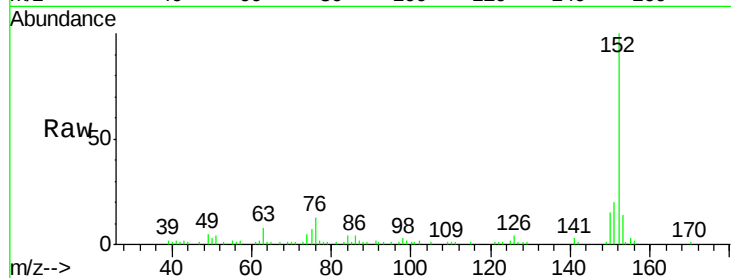
Tgt Ion:152 Resp: 75359

Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.8

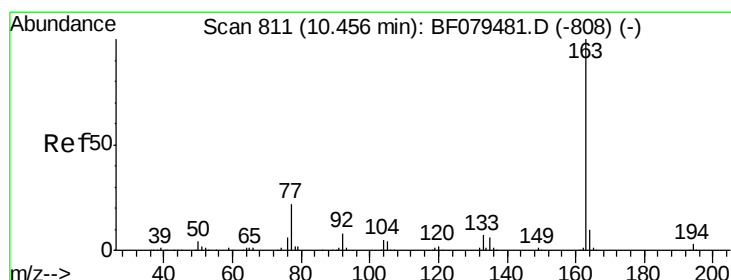
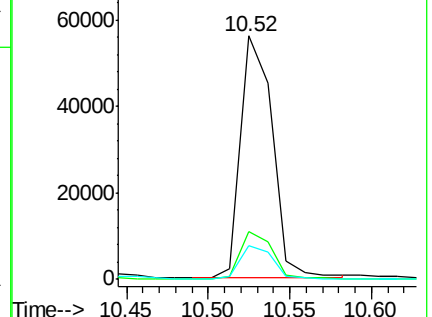
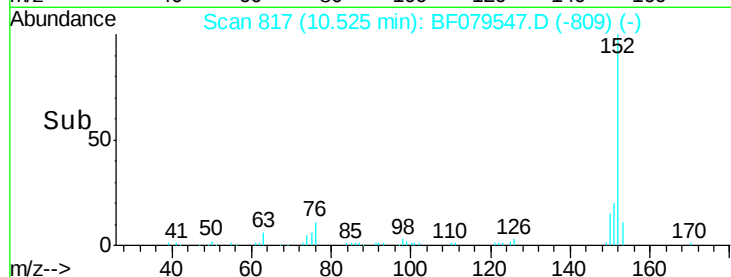
153 13.7 10.7 16.1



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: 5.40 ng

RT: 10.40 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF079547.D

Acq: 28 May 2015 16:35

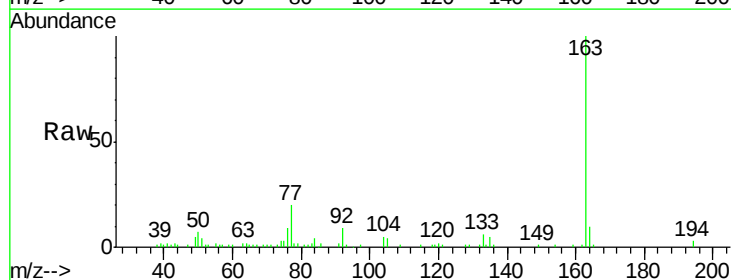
Tgt Ion:163 Resp: 57219

Ion Ratio Lower Upper

163 100

194 3.0 2.4 3.6

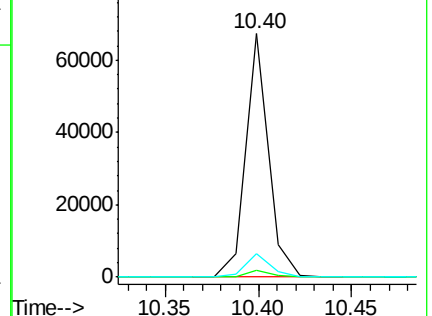
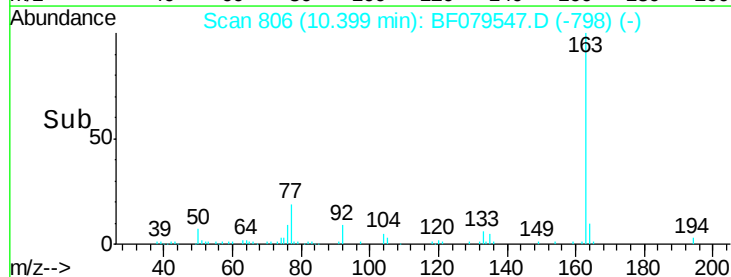
164 9.6 8.2 12.4

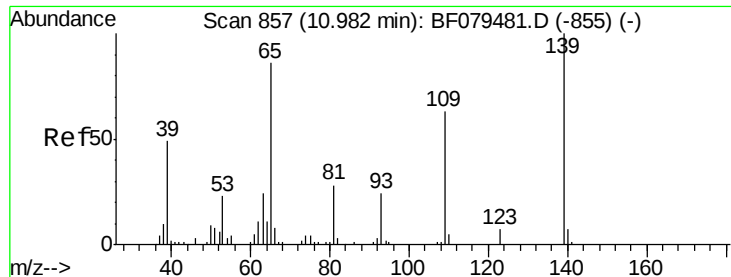


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#55

4-Nitrophenol

Concen: 6.07 ng

RT: 10.96 min Scan# 855

Delta R.T. 0.03 min

Lab File: BF079547.D

Acq: 28 May 2015 16:35

Instrument :

BNA_G

ClientSampleId :

TP-8-SS

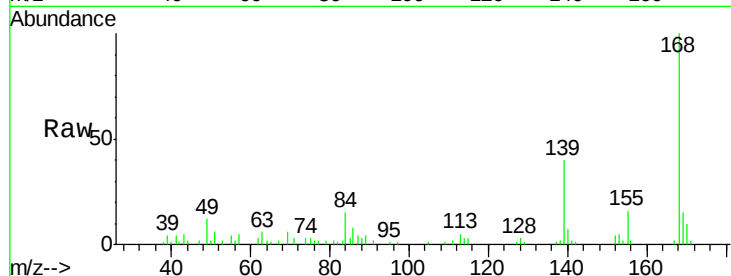
Tgt Ion:139 Resp: 9264

Ion Ratio Lower Upper

139 100

109 3.2 42.8 82.8#

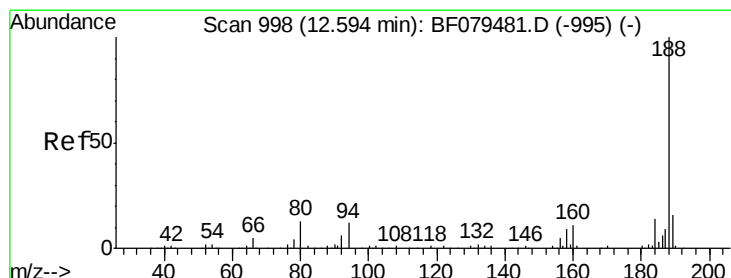
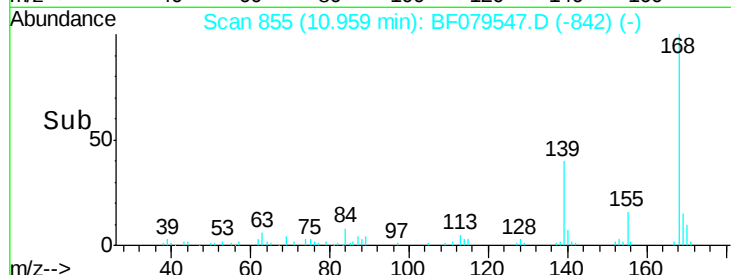
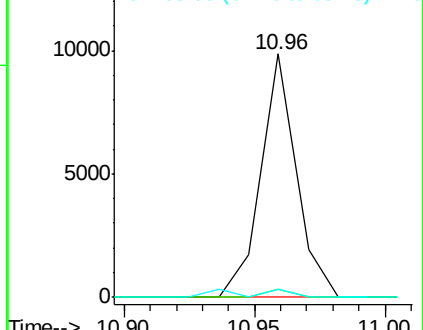
65 3.5 66.3 106.3#



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: BF079547.D

Acq: 28 May 2015 16:35

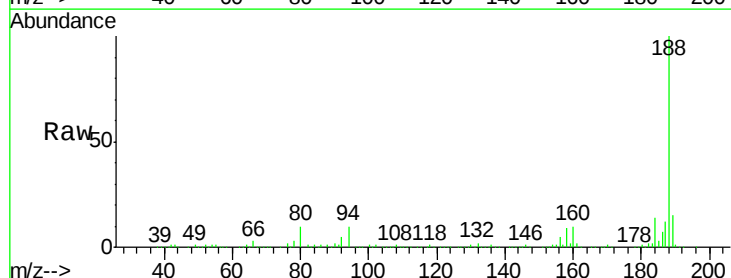
Tgt Ion:188 Resp: 262177

Ion Ratio Lower Upper

188 100

94 9.7 9.8 14.6#

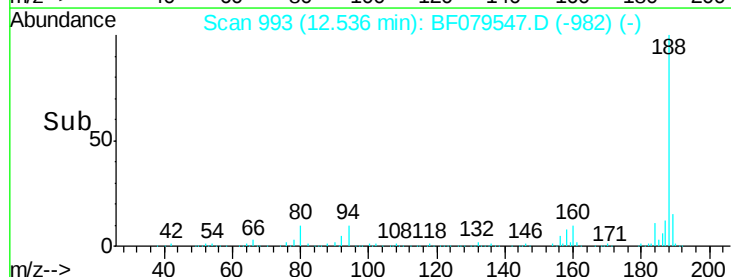
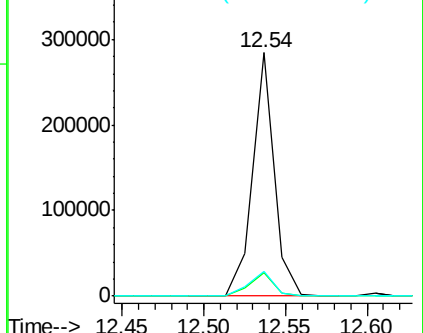
80 10.0 10.5 15.7#

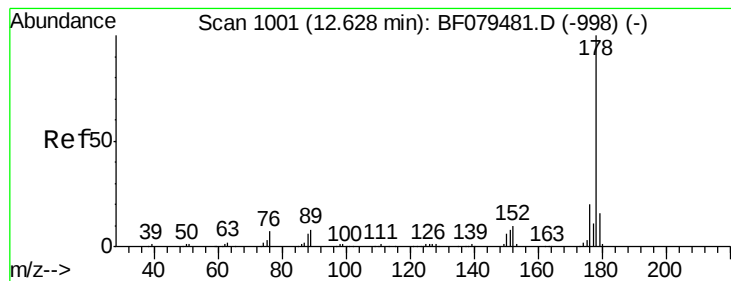


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 10.72 ng

RT: 12.57 min Scan# 996

Delta R.T. -0.00 min

Lab File: BF079547.D

Acq: 28 May 2015 16:35

Instrument :

BNA_G

ClientSampleId :

TP-8-SS

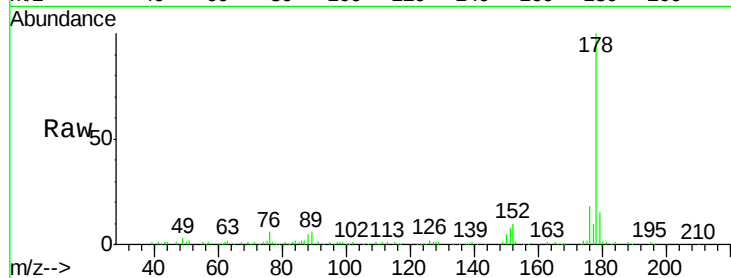
Tgt Ion:178 Resp: 154155

Ion Ratio Lower Upper

178 100

176 18.3 15.7 23.5

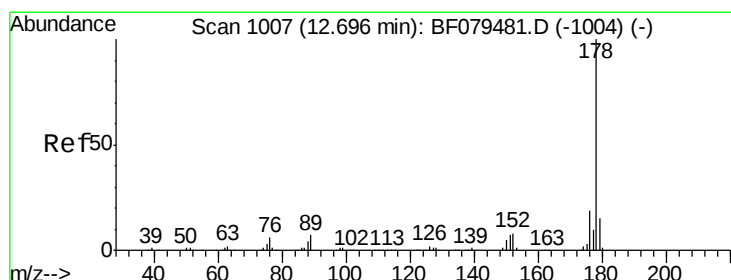
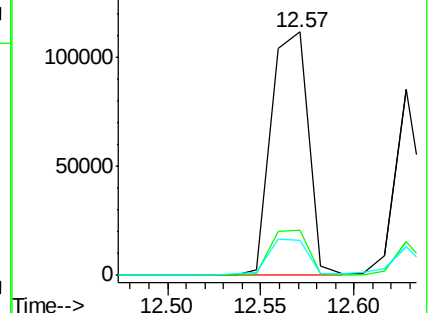
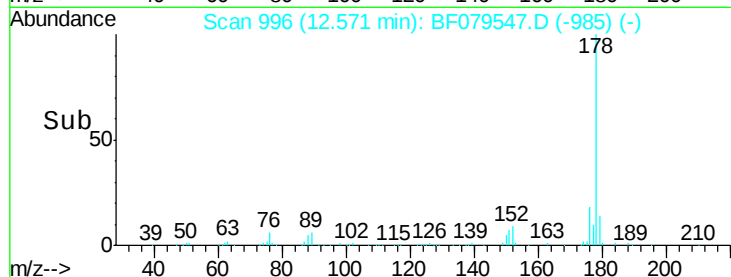
179 14.6 12.4 18.6



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: 5.72 ng

RT: 12.63 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BF079547.D

Acq: 28 May 2015 16:35

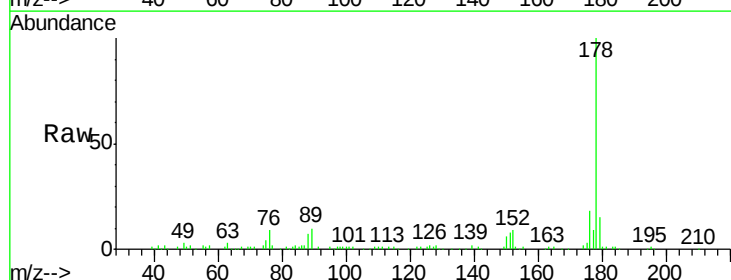
Tgt Ion:178 Resp: 83575

Ion Ratio Lower Upper

178 100

176 18.4 15.3 22.9

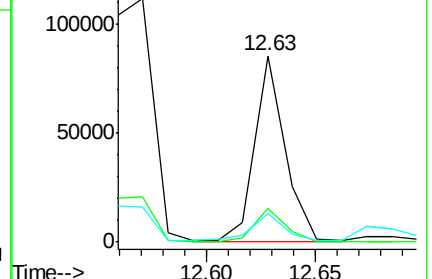
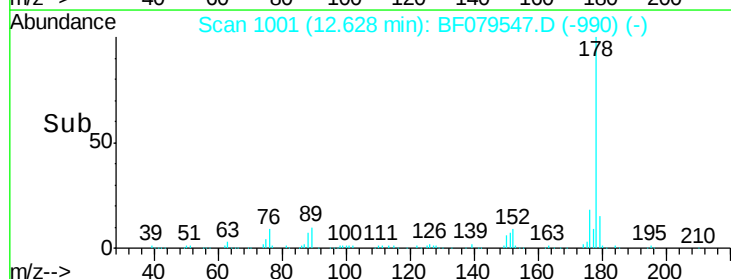
179 15.2 12.2 18.4

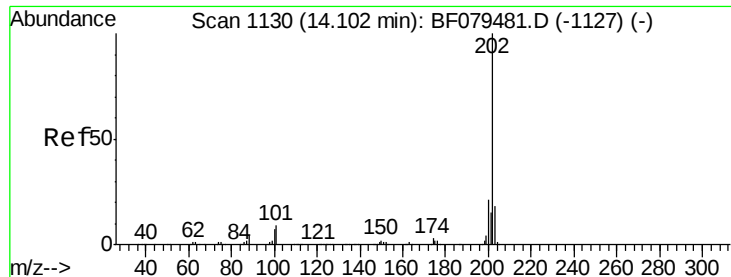


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 18.09 ng

RT: 14.03 min Scan# 1124

Delta R.T. -0.00 min

Lab File: BF079547.D

Acq: 28 May 2015 16:35

Instrument :

BNA_G

ClientSampleId :

TP-8-SS

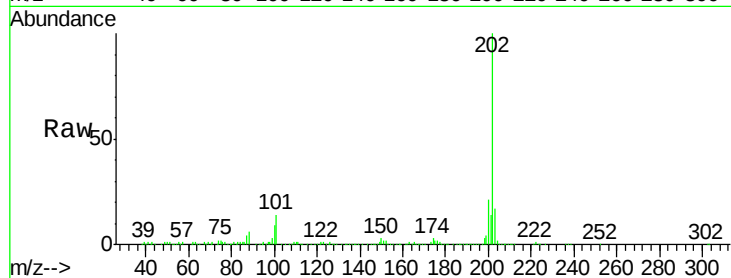
Tgt Ion:202 Resp: 279036

Ion Ratio Lower Upper

202 100

101 13.5 0.0 29.3

203 17.2 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

14.03

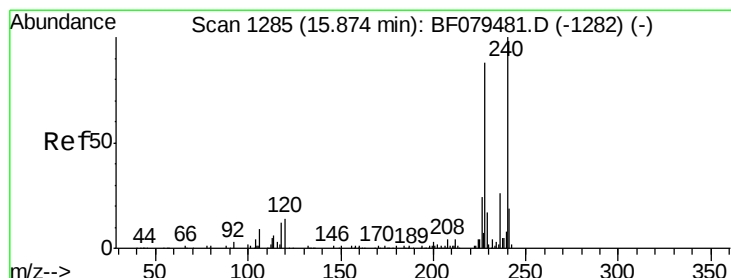
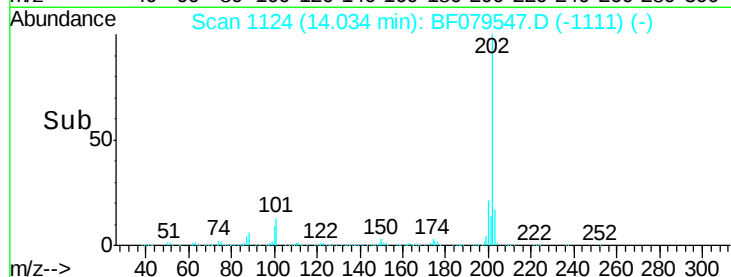
300000

200000

100000

0

Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.81 min Scan# 1279

Delta R.T. -0.03 min

Lab File: BF079547.D

Acq: 28 May 2015 16:35

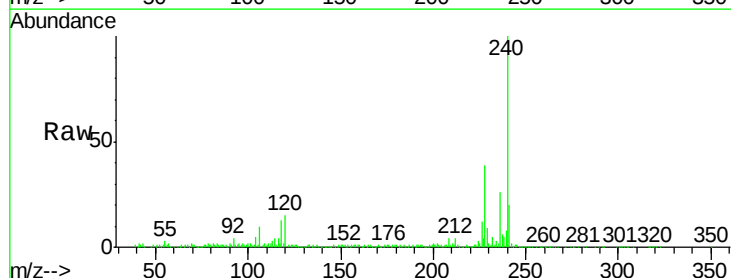
Tgt Ion:240 Resp: 273542

Ion Ratio Lower Upper

240 100

120 14.8 10.8 16.2

236 26.4 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

15.81

300000

250000

200000

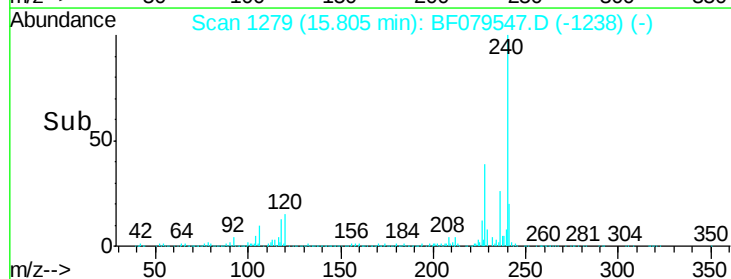
150000

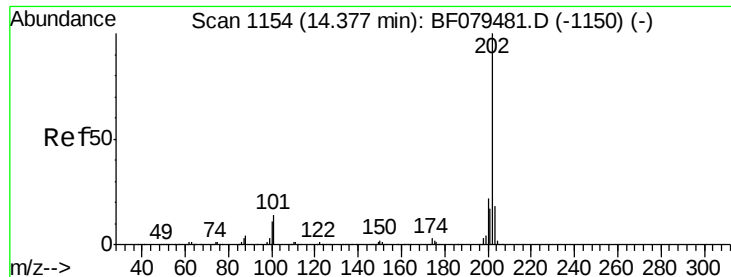
100000

50000

0

Time-->

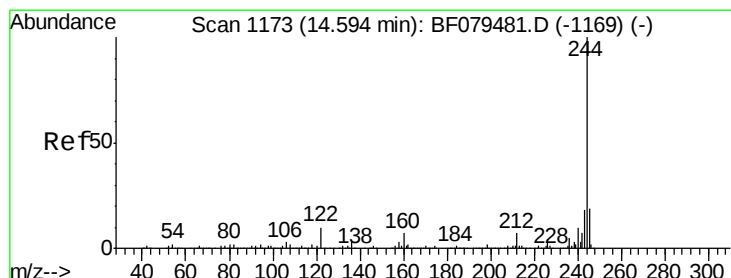
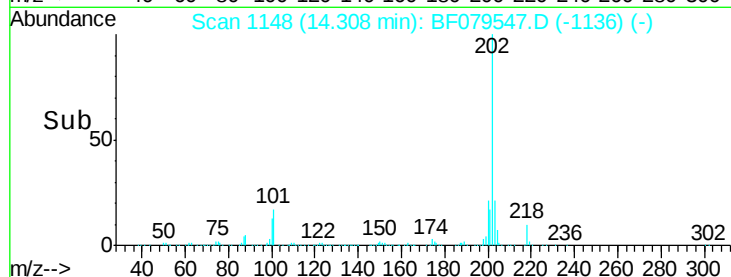
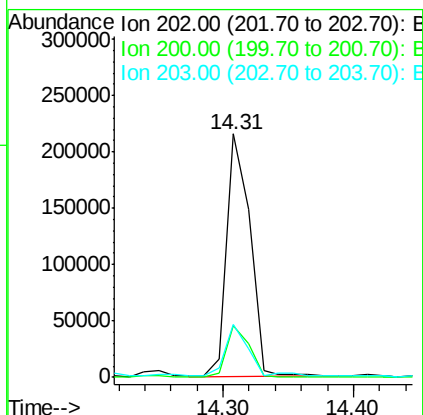
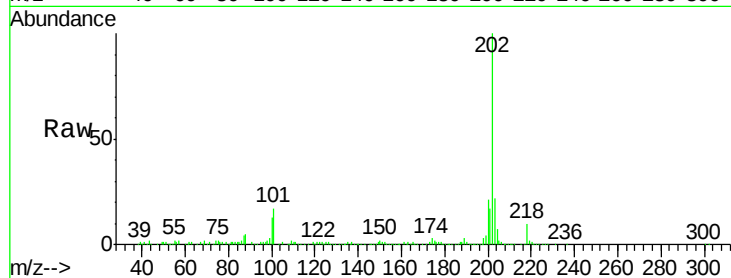




#77
 Pyrene
 Concen: 15.73 ng
 RT: 14.31 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BF079547.D
 Acq: 28 May 2015 16:35

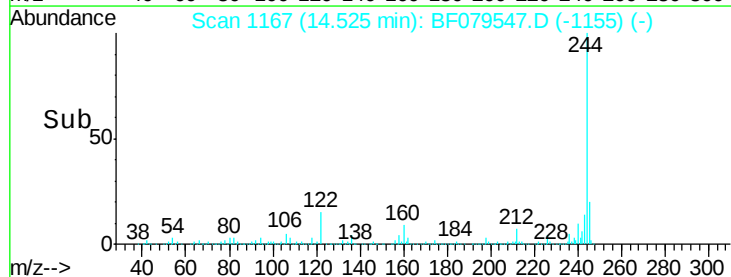
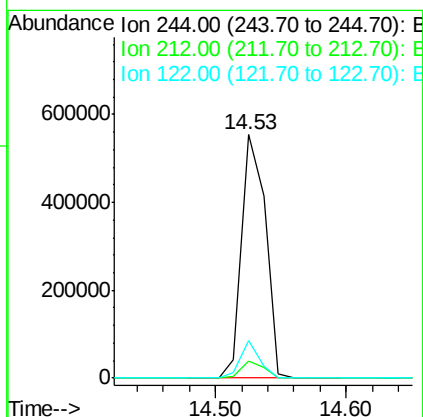
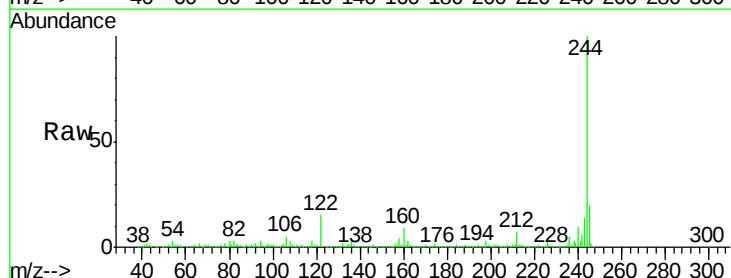
Instrument :
 BNA_G
 ClientSampleId :
 TP-8-SS

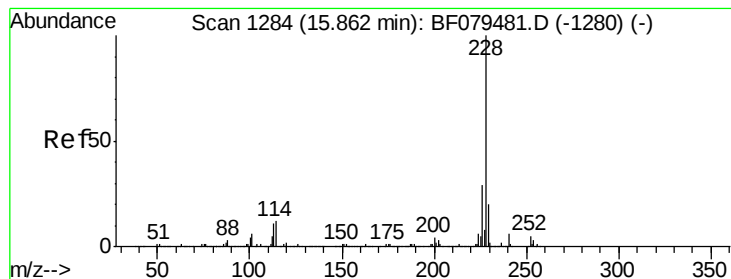
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.5	26.3
203	21.6	14.4	21.6#



#78
 Terphenyl-d14
 Concen: 60.25 ng
 RT: 14.53 min Scan# 1167
 Delta R.T. -0.01 min
 Lab File: BF079547.D
 Acq: 28 May 2015 16:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.2	7.8
122	15.4	8.0	12.0#





#80

Benzo(a)anthracene

Concen: 12.59 ng

RT: 15.84 min Scan# 1282

Delta R.T. 0.01 min

Lab File: BF079547.D

Acq: 28 May 2015 16:35

Instrument :

BNA_G

ClientSampleId :

TP-8-SS

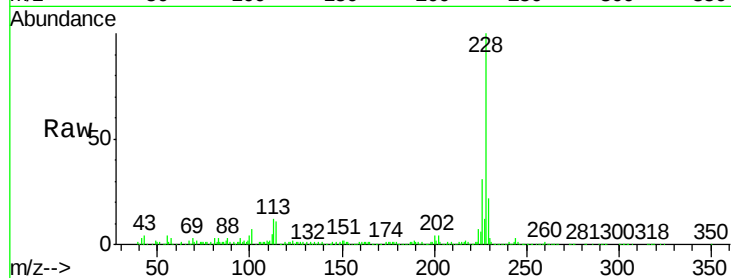
Tgt Ion:228 Resp: 198045

Ion Ratio Lower Upper

228 100

226 30.9 22.8 34.2

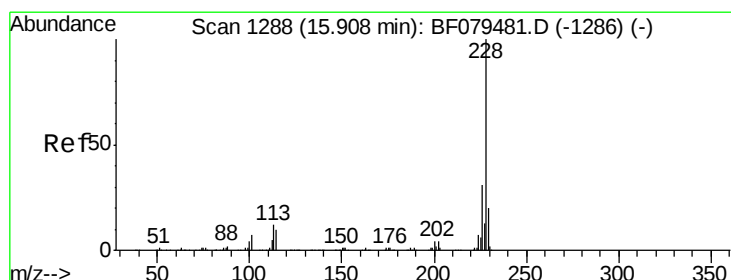
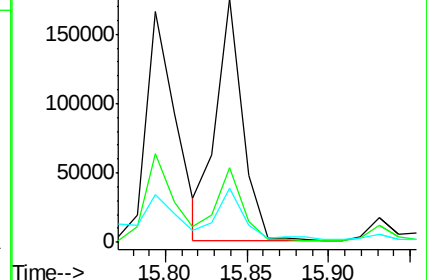
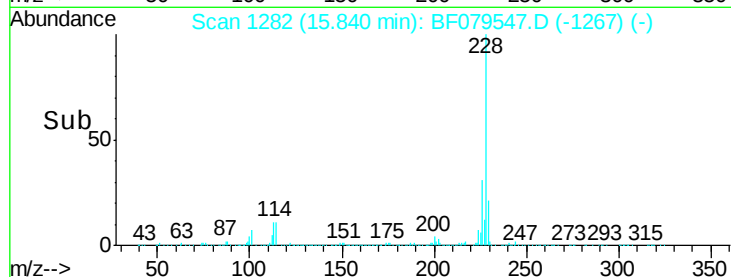
229 22.1 15.9 23.9



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: 13.20 ng

RT: 15.84 min Scan# 1282

Delta R.T. -0.03 min

Lab File: BF079547.D

Acq: 28 May 2015 16:35

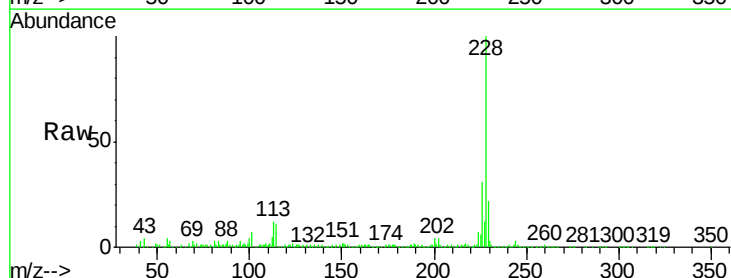
Tgt Ion:228 Resp: 197395

Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.4

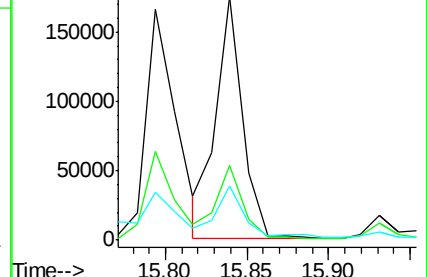
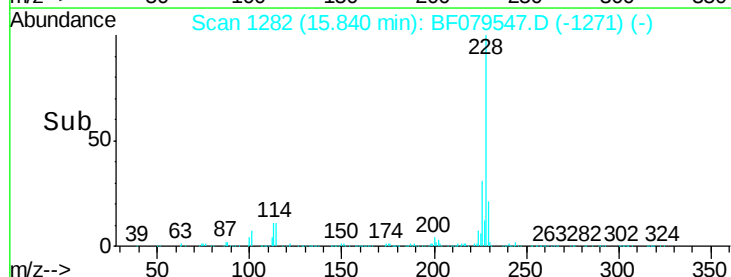
229 22.1 15.9 23.9

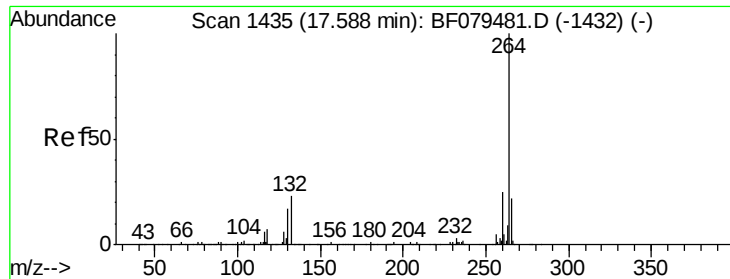


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



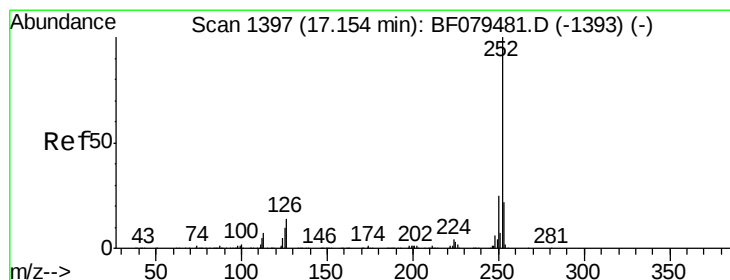
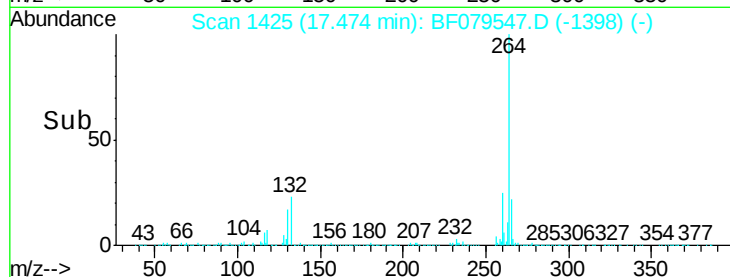
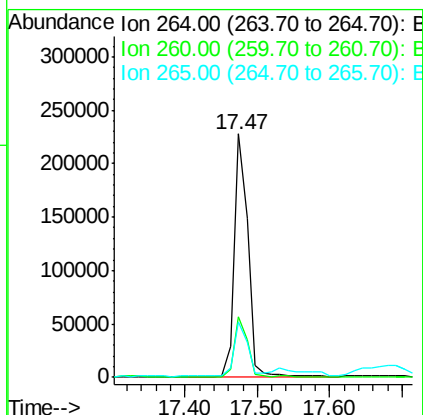
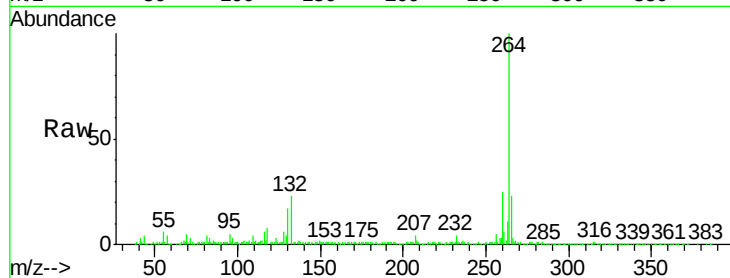


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.47 min Scan# 1425
Delta R.T. -0.19 min
Lab File: BF079547.D
Acq: 28 May 2015 16:35

Instrument :
BNA_G
ClientSampleId :
TP-8-SS

Tgt Ion: 264 Resp: 295064

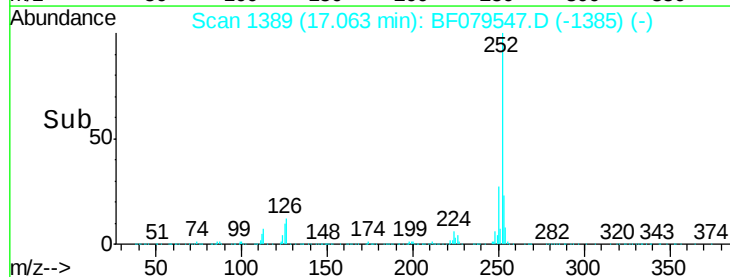
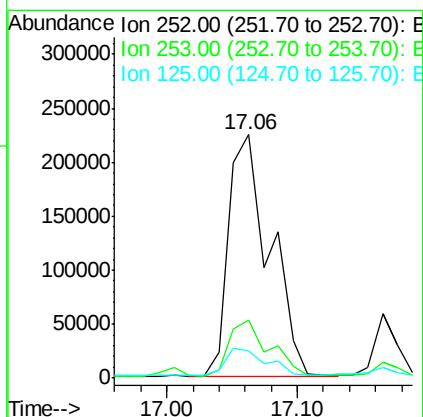
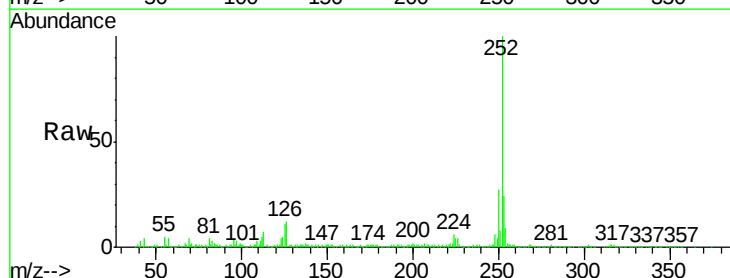
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.8	29.8
265	22.5	17.8	26.6

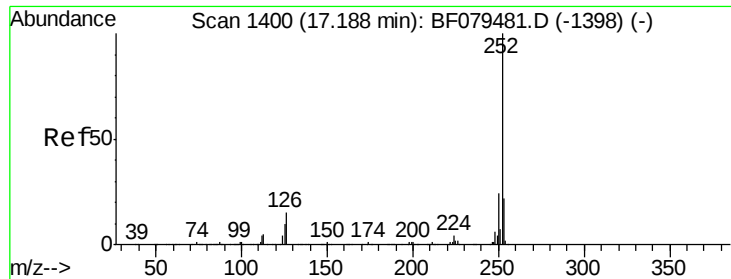


#87
Benzo(b)fluoranthene
Concen: 29.44 ng
RT: 17.06 min Scan# 1389
Delta R.T. -0.14 min
Lab File: BF079547.D
Acq: 28 May 2015 16:35

Tgt Ion: 252 Resp: 495355

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.6	26.4
125	11.5	7.8	11.6

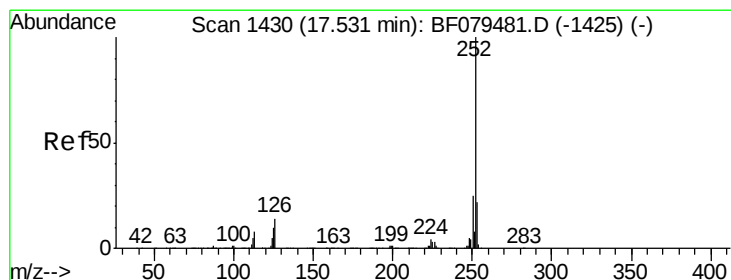
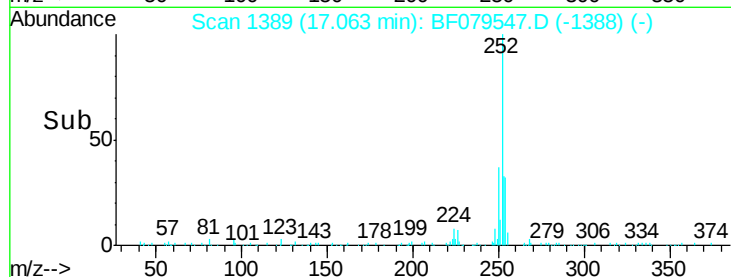
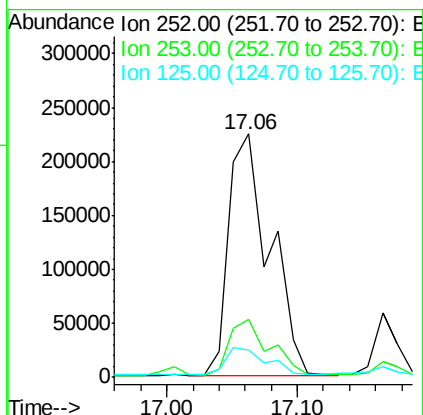
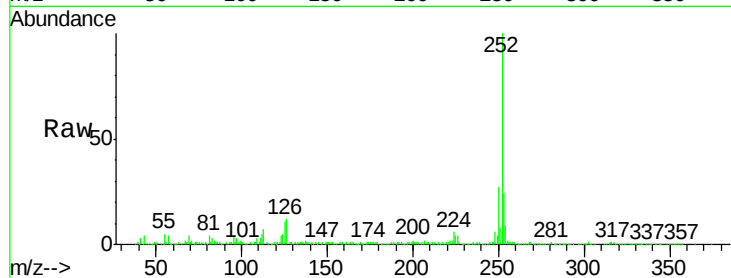




#88
Benzo(k)fluoranthene
Concen: 32.92 ng
RT: 17.06 min Scan# 1389
Delta R.T. -0.17 min
Lab File: BF079547.D
Acq: 28 May 2015 16:35

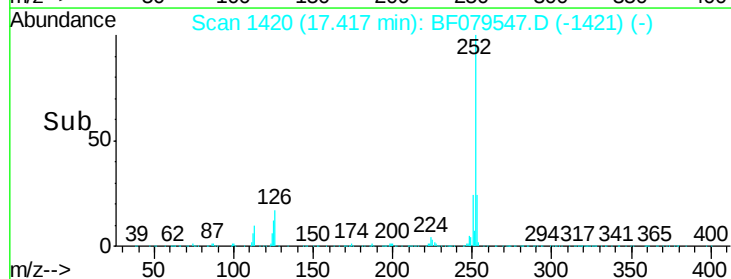
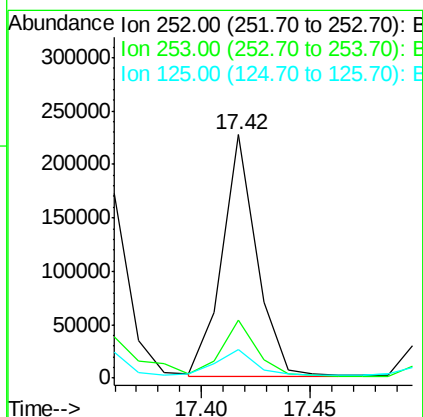
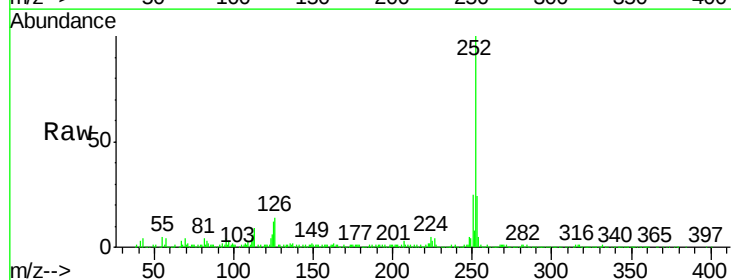
Instrument :
BNA_G
ClientSampleId :
TP-8-SS

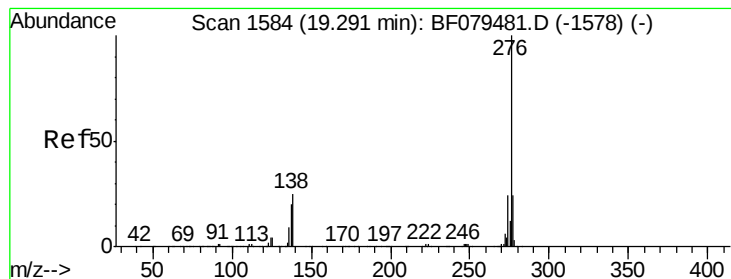
Tgt Ion:252 Resp: 495355
Ion Ratio Lower Upper
252 100
253 24.0 17.2 25.8
125 11.5 6.8 10.2#



#89
Benzo(a)pyrene
Concen: 15.75 ng
RT: 17.42 min Scan# 1420
Delta R.T. -0.19 min
Lab File: BF079547.D
Acq: 28 May 2015 16:35

Tgt Ion:252 Resp: 250914
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 11.6 7.9 11.9





#91

Benzo(g,h,i)perylene

Concen: 11.45 ng

RT: 19.13 min Scan# 1570

Delta R.T. -0.27 min

Lab File: BF079547.D

Acq: 28 May 2015 16:35

Instrument :

BNA_G

ClientSampleId :

TP-8-SS

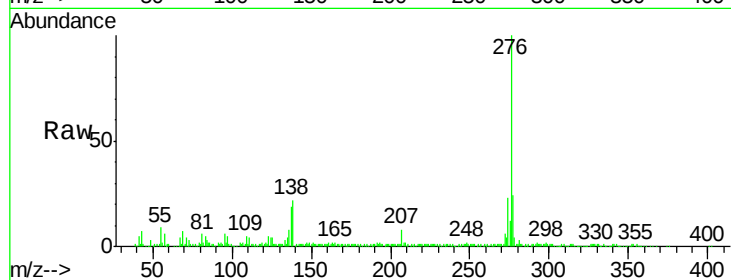
Tgt Ion: 276 Resp: 200764

Ion Ratio Lower Upper

276 100

277 23.8 19.1 28.7

138 21.7 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

