

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
 Data File : BF079613.D
 Acq On : 30 May 2015 20:10
 Operator : TP/IZ
 Sample : G2420-34
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.19(5)

Quant Time: May 31 05:49:28 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 17:35:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	67576	20.00	ng	-0.02
21) Naphthalene-d8	8.51	136	282815	20.00	ng	-0.02
38) Acenaphthene-d10	10.67	164	131161	20.00	ng	-0.03
63) Phenanthrene-d10	12.51	188	250201	20.00	ng	-0.02
75) Chrysene-d12	15.79	240	252315	20.00	ng	-0.05
86) Perylene-d12	17.51	264	274502	20.00	ng	-0.16

System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	454158	116.57	ng	-0.02
7) Phenol-d6	6.54	99	600395	120.90	ng	-0.02
23) Nitrobenzene-d5	7.63	82	327027	66.84	ng	-0.03
41) 2,4,6-Tribromophenol	11.66	330	166806	115.79	ng	-0.03
44) 2-Fluorobiphenyl	9.86	172	663240	72.14	ng	-0.02
78) Terphenyl-d14	14.50	244	712275	66.25	ng	-0.03

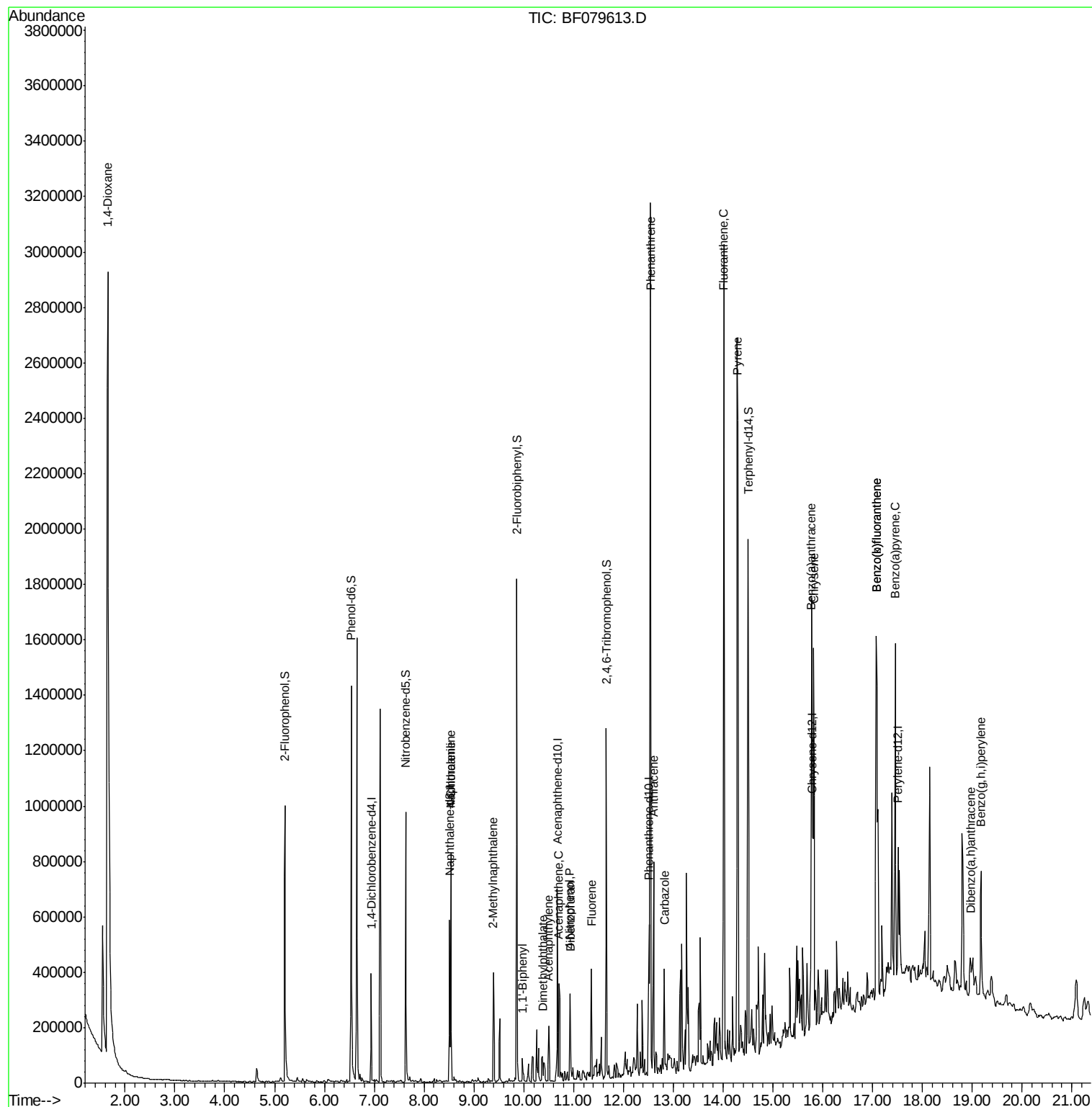
Target Compounds						Qvalue
2) 1,4-Dioxane	1.66	88	173493	93.61	ng	# 100
9) Benzaldehyde	6.41	77	474	Below Cal		# 1
31) Naphthalene	8.54	128	369770	27.24	ng	99
33) 4-Chloroaniline	8.54	127	48020	8.47	ng	# 32
37) 2-Methylnaphthalene	9.39	142	119560	12.69	ng	97
45) 1,1'-Biphenyl	9.98	154	28806	2.81	ng	97
48) Acenaphthylene	10.50	152	73144	5.45	ng	98
49) Dimethylphthalate	10.38	163	53981	5.59	ng	# 98
51) Acenaphthene	10.71	154	111622	14.53	ng	99
54) Dibenzofuran	10.94	168	181137	15.99	ng	92
55) 4-Nitrophenol	10.92	139	68233	48.99	ng	# 14
57) Fluorene	11.36	166	169206	18.12	ng	99
70) Phenanthrene	12.55	178	1782862	129.89	ng	98
71) Anthracene	12.61	178	341939	24.54	ng	100
72) Carbazole	12.82	167	225592	16.81	ng	98
73) Di-n-butylphthalate	13.28	149	7843	Below Cal		# 54
74) Fluoranthene	14.01	202	1711865	116.30	ng	92
77) Pyrene	14.30	202	1467053	93.85	ng	99
80) Benzo(a)anthracene	15.77	228	767966	52.91	ng	93
82) Chrysene	15.82	228	697838	50.58	ng	98
87) Benzo(b)fluoranthene	17.07	252	1172829	74.91	ng	# 96
88) Benzo(k)fluoranthene	17.07	252	1172829	83.77	ng	# 94
89) Benzo(a)pyrene	17.45	252	604217	43.97	ng	97
90) Dibenzo(a,h)anthracene	18.96	278	77947	4.04	ng	93
91) Benzo(g,h,i)perylene	19.18	276	362863	24.98	ng	95

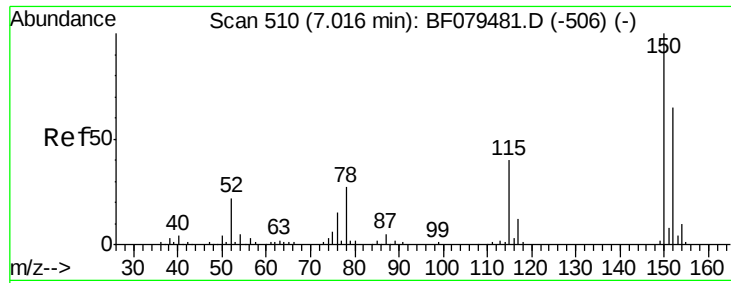
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079613.D
Acq On : 30 May 2015 20:10
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Quant Time: May 31 05:49:28 2015
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QLast Update : Fri May 29 17:35:14 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 503

Delta R.T. -0.02 min

Lab File: BF079613.D

Acq: 30 May 2015 20:10

Instrument :

BNA_F

ClientSampled :

PENRD8.19(5)

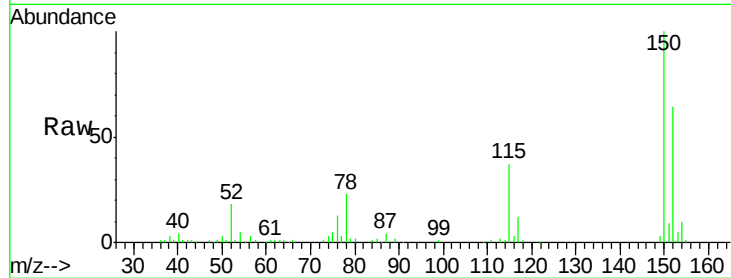
Tgt Ion:152 Resp: 67576

Ion Ratio Lower Upper

152 100

150 155.8 124.0 186.0

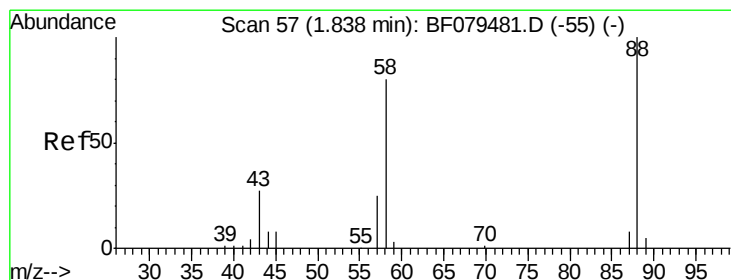
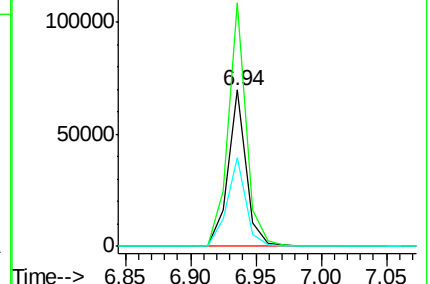
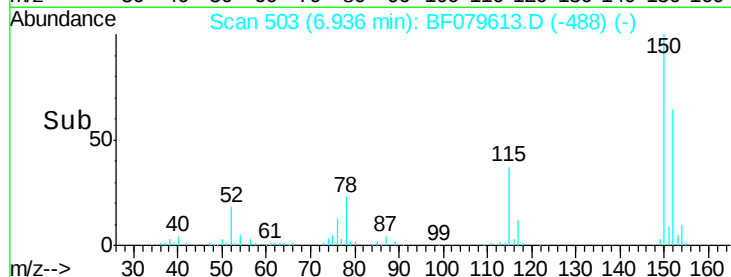
115 57.1 49.6 74.4



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



#2

1,4-Dioxane

Concen: 93.61 ng

RT: 1.66 min Scan# 41

Delta R.T. -0.11 min

Lab File: BF079613.D

Acq: 30 May 2015 20:10

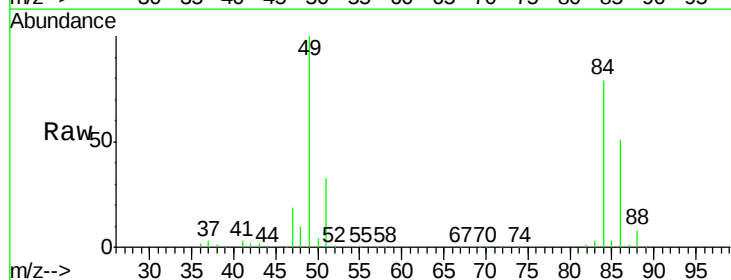
Tgt Ion: 88 Resp: 173493

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

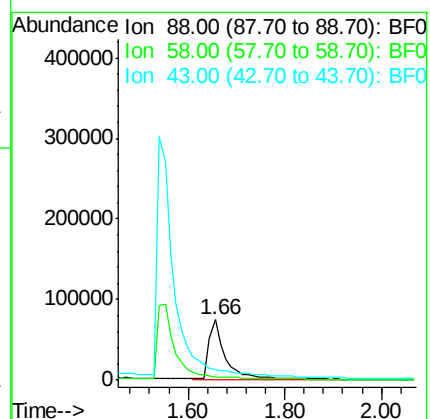
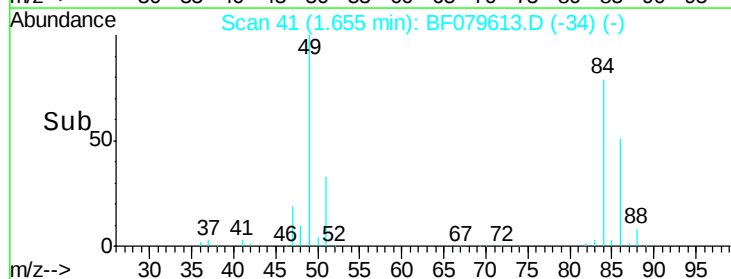
43 0.0 0.0 0.0

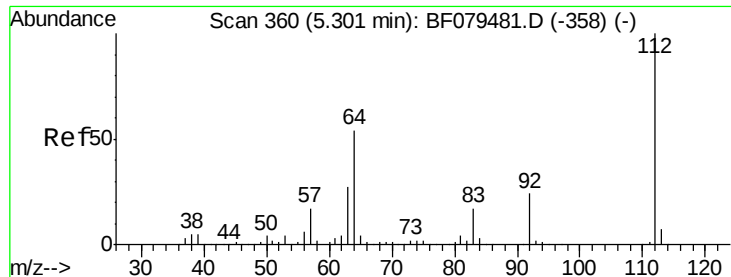


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 116.57 ng

RT: 5.21 min Scan# 352

Delta R.T. -0.02 min

Lab File: BF079613.D

Acq: 30 May 2015 20:10

Instrument :

BNA_F

ClientSampleId :

PENRD8.19(5)

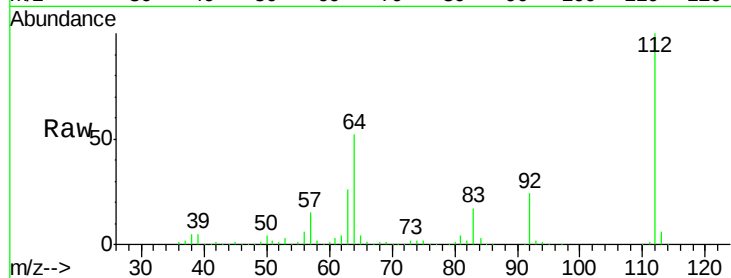
Tgt Ion: 112 Resp: 454158

Ion Ratio Lower Upper

112 100

64 52.1 43.5 65.3

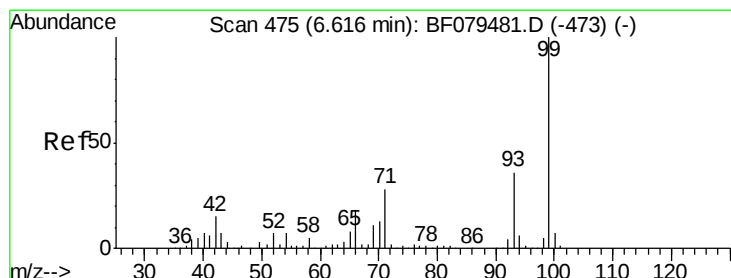
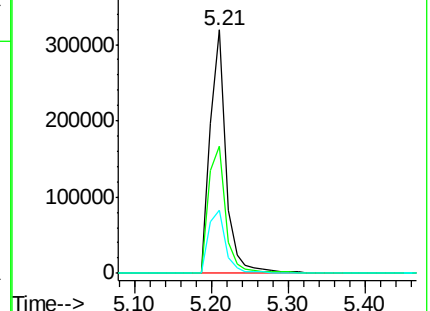
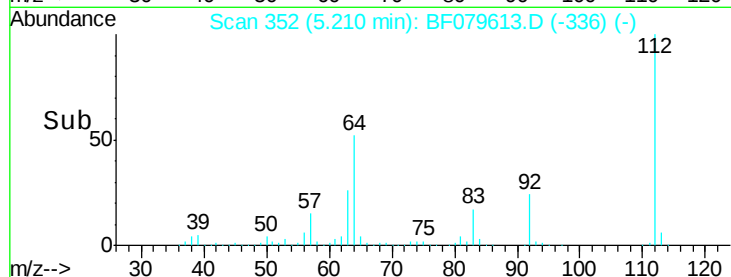
63 25.8 21.8 32.8



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: 120.90 ng

RT: 6.54 min Scan# 468

Delta R.T. -0.02 min

Lab File: BF079613.D

Acq: 30 May 2015 20:10

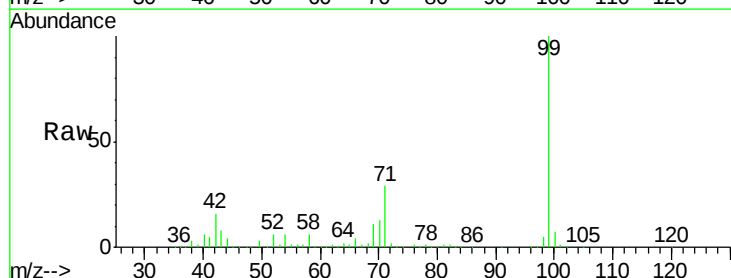
Tgt Ion: 99 Resp: 600395

Ion Ratio Lower Upper

99 100

42 16.1 11.9 17.9

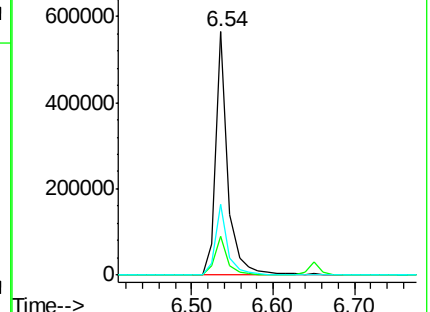
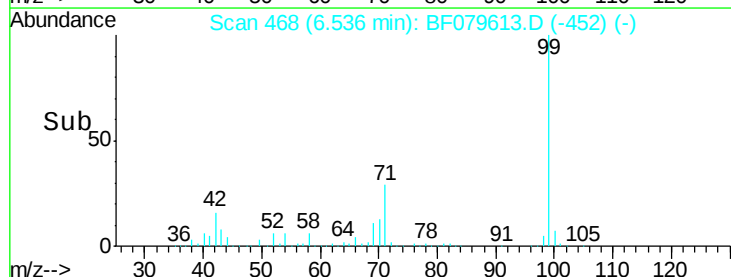
71 29.2 22.1 33.1



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

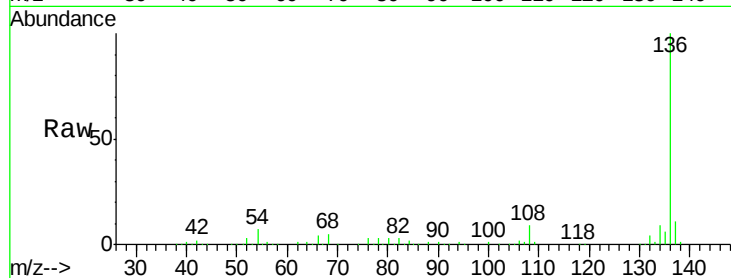




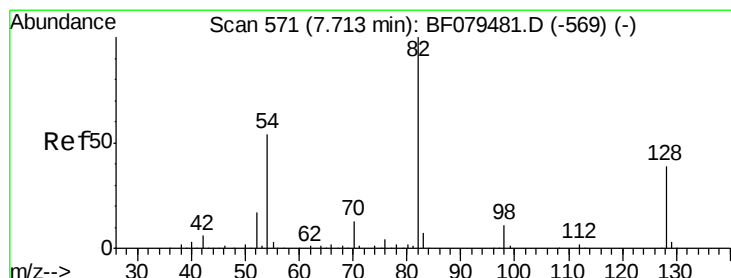
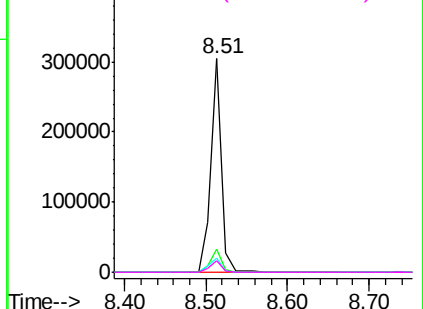
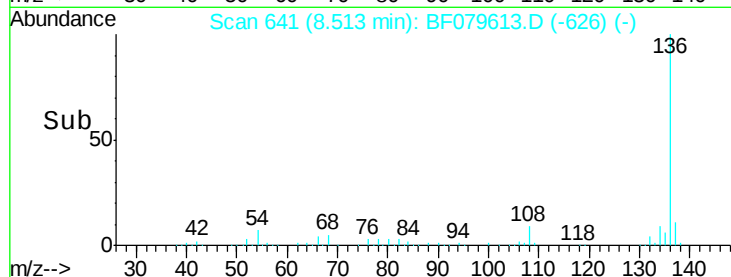
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.51 min Scan# 641
Delta R.T. -0.02 min
Lab File: BF079613.D
Acq: 30 May 2015 20:10

Instrument :
BNA_F
ClientSampleId :
PENRD8.19(5)

Tgt Ion: 136 Resp: 282815
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 6.5 6.6 9.8#
68 5.1 4.7 7.1

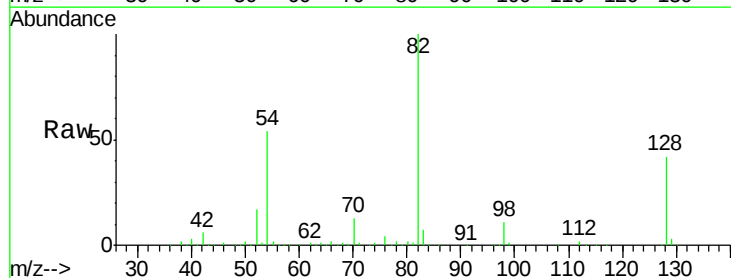


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

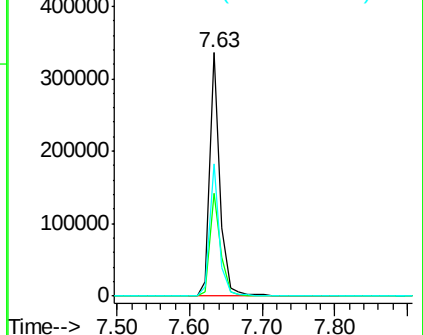
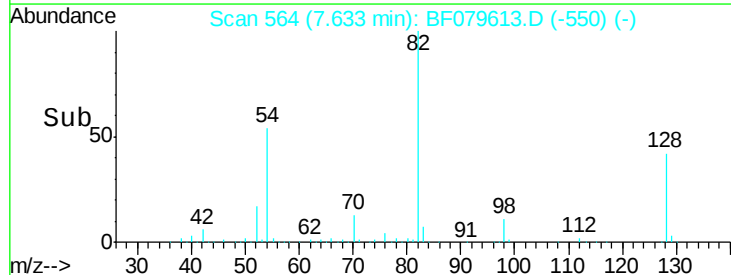


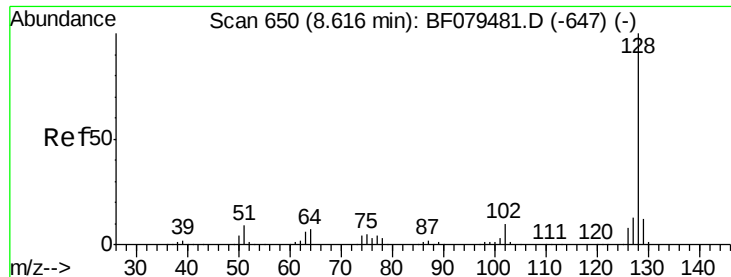
#23
Nitrobenzene-d5
Concen: 66.84 ng
RT: 7.63 min Scan# 564
Delta R.T. -0.03 min
Lab File: BF079613.D
Acq: 30 May 2015 20:10

Tgt Ion: 82 Resp: 327027
Ion Ratio Lower Upper
82 100
128 42.1 30.8 46.2
54 54.2 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

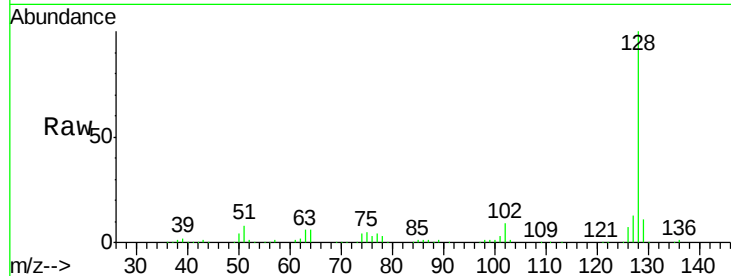




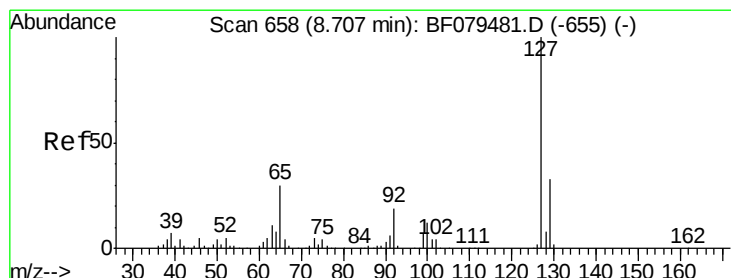
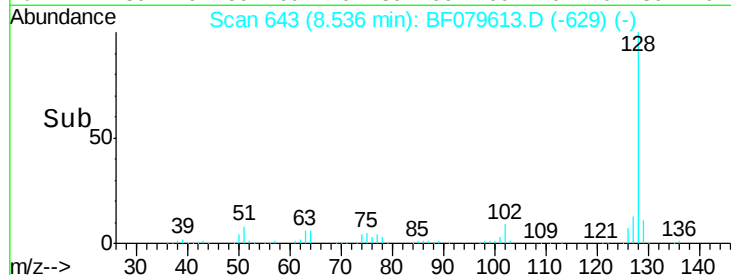
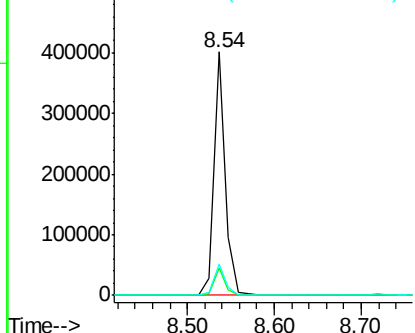
#31
Naphthalene
Concen: 27.24 ng
RT: 8.54 min Scan# 643
Delta R.T. -0.03 min
Lab File: BF079613.D
Acq: 30 May 2015 20:10

Instrument :
BNA_F
ClientSampleId :
PENRD8.19(5)

Tgt Ion:128 Resp: 369770
Ion Ratio Lower Upper
128 100
129 11.2 9.3 13.9
127 13.0 10.6 15.8

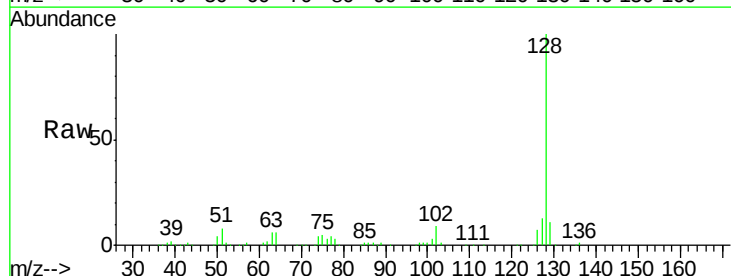


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

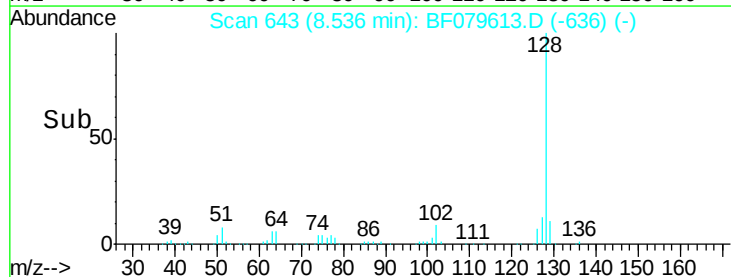
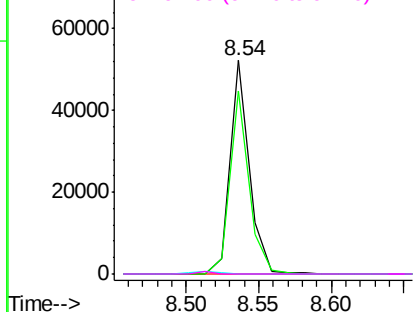


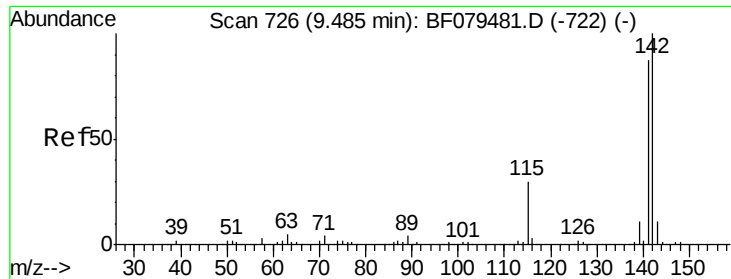
#33
4-Chloroaniline
Concen: 8.47 ng
RT: 8.54 min Scan# 643
Delta R.T. -0.11 min
Lab File: BF079613.D
Acq: 30 May 2015 20:10

Tgt Ion:127 Resp: 48020
Ion Ratio Lower Upper
127 100
129 86.0 26.2 39.2#
65 0.0 24.2 36.4#
92 0.0 15.4 23.0#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

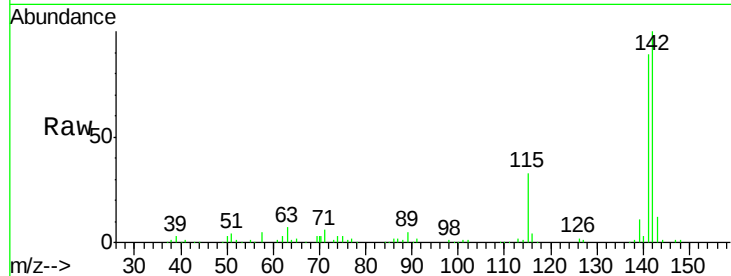




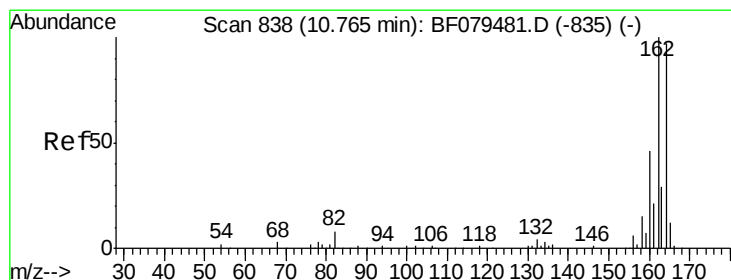
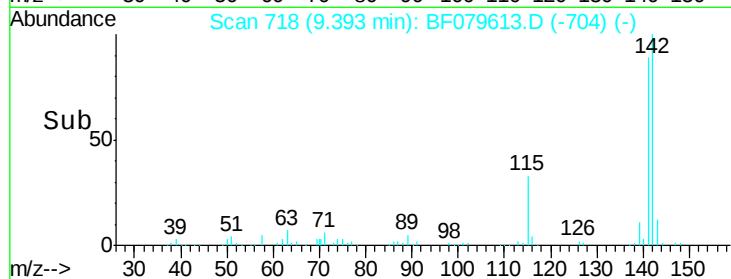
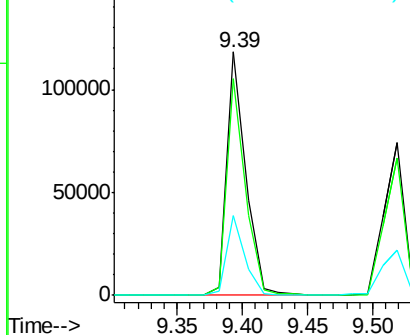
#37
 2-Methylnaphthalene
 Concen: 12.69 ng
 RT: 9.39 min Scan# 718
 Delta R.T. -0.03 min
 Lab File: BF079613.D
 Acq: 30 May 2015 20:10

Instrument :
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Tgt Ion:142 Resp: 119560
 Ion Ratio Lower Upper
 142 100
 141 89.2 69.5 104.3
 115 32.8 23.8 35.6

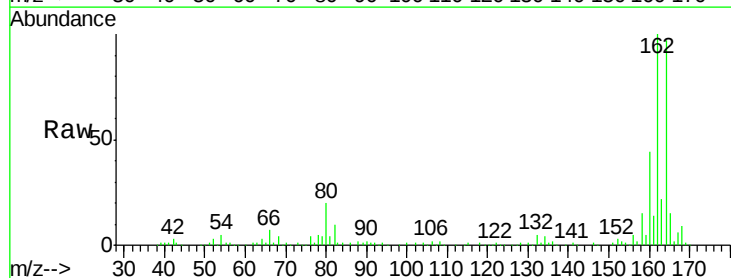


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

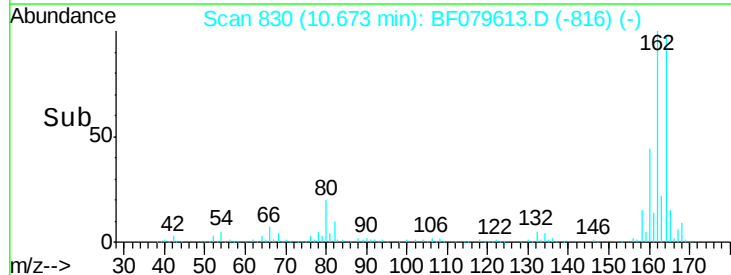
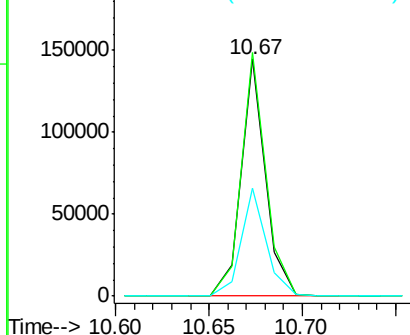


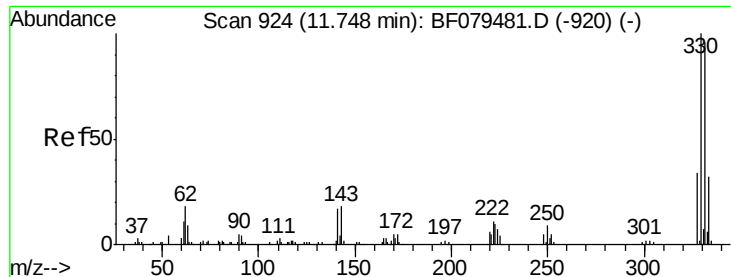
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.67 min Scan# 830
 Delta R.T. -0.03 min
 Lab File: BF079613.D
 Acq: 30 May 2015 20:10

Tgt Ion:164 Resp: 131161
 Ion Ratio Lower Upper
 164 100
 162 102.7 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

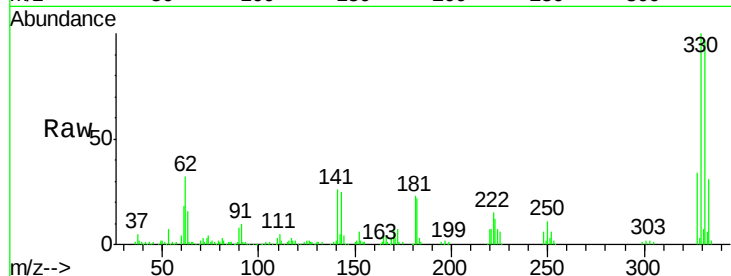




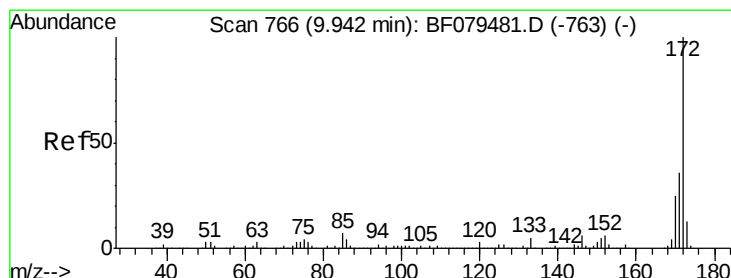
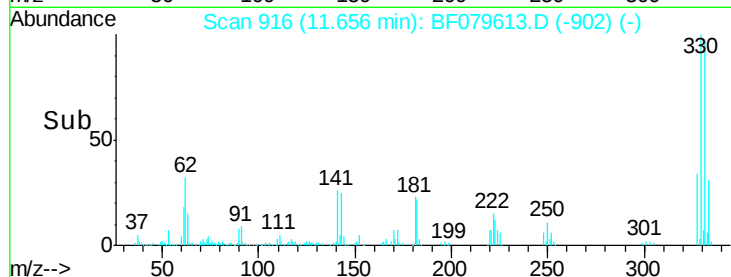
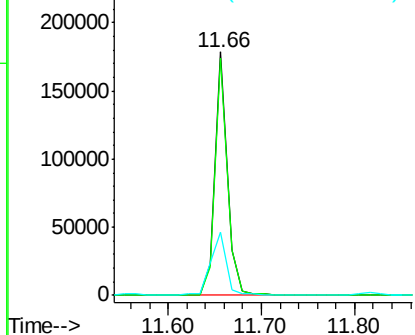
#41
 2,4,6-Tribromophenol
 Concen: 115.79 ng
 RT: 11.66 min Scan# 916
 Delta R.T. -0.03 min
 Lab File: BF079613.D
 Acq: 30 May 2015 20:10

Instrument :
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 PENRD8.19(5)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	0.0	0.0#
141	34.0	0.0	0.0#

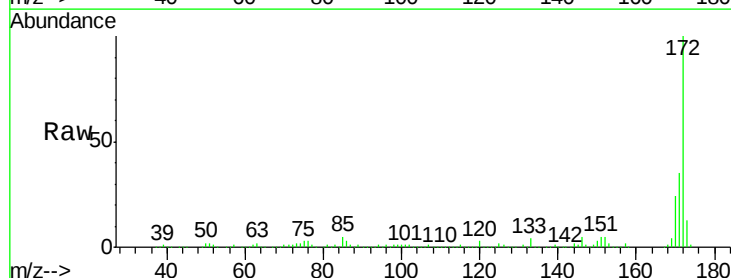


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

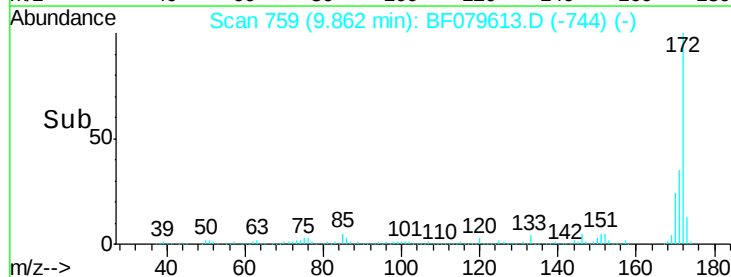
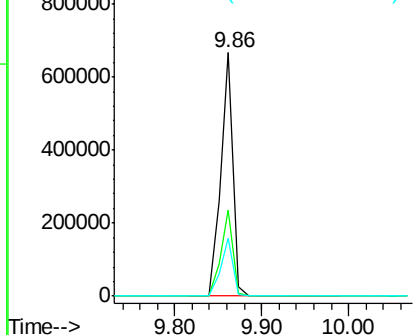


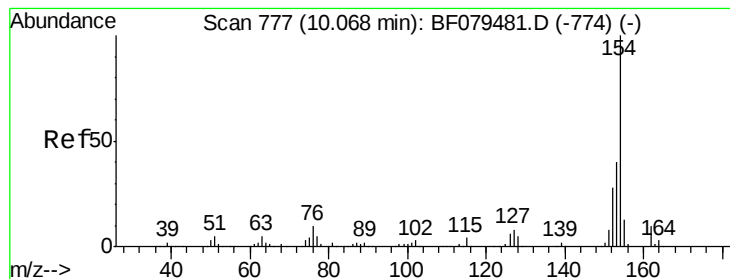
#44
 2-Fluorobiphenyl
 Concen: 72.14 ng
 RT: 9.86 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF079613.D
 Acq: 30 May 2015 20:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.5	42.7
170	24.0	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





#45

1,1'-Biphenyl

Concen: 2.81 ng

RT: 9.98 min Scan# 769

Delta R.T. -0.03 min

Lab File: BF079613.D

Acq: 30 May 2015 20:10

Instrument :

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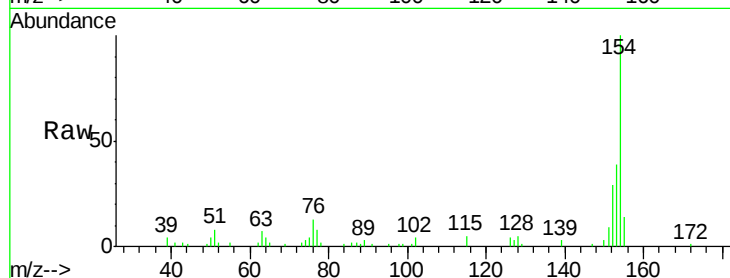
Tgt Ion:154 Resp: 28806

Ion Ratio Lower Upper

154 100

153 39.0 19.5 59.5

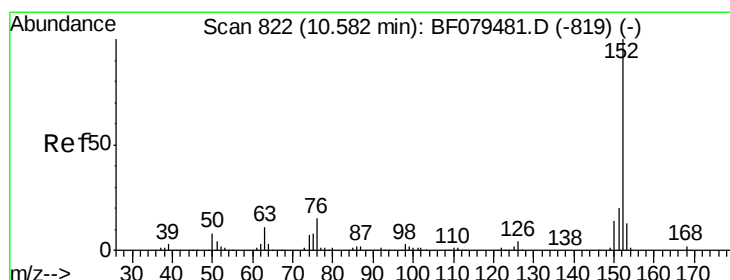
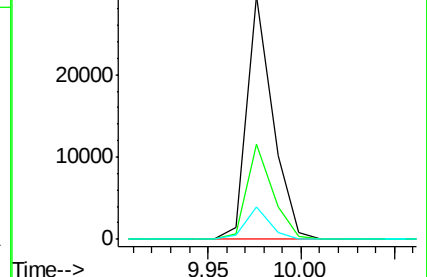
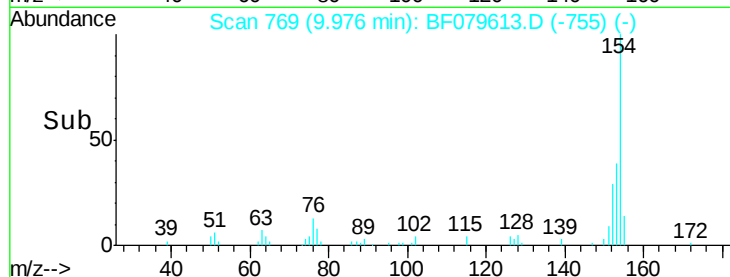
76 13.2 0.0 29.6



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: 5.45 ng

RT: 10.50 min Scan# 815

Delta R.T. -0.03 min

Lab File: BF079613.D

Acq: 30 May 2015 20:10

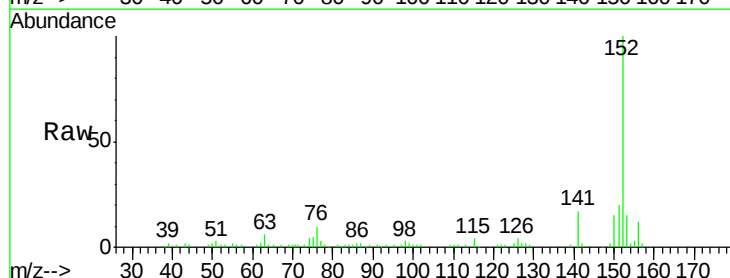
Tgt Ion:152 Resp: 73144

Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.8

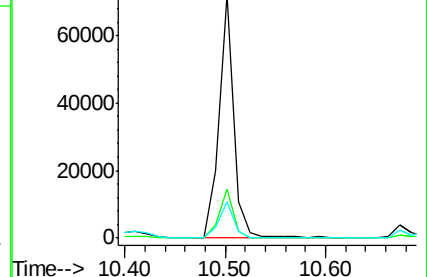
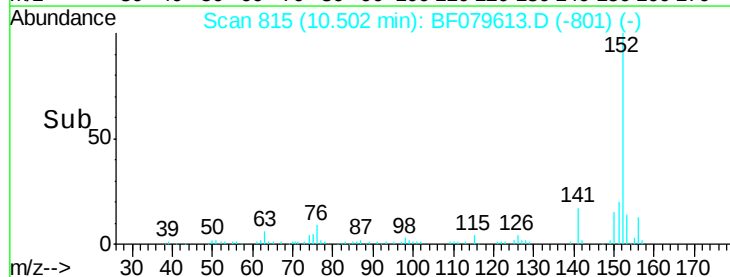
153 14.7 10.7 16.1

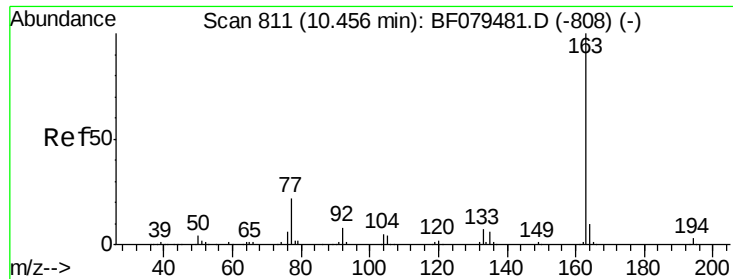


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 5.59 ng

RT: 10.38 min Scan# 804

Delta R.T. -0.03 min

Lab File: BF079613.D

Acq: 30 May 2015 20:10

Instrument :

BNA_F

ClientSampleId :

PENRD8.19(5)

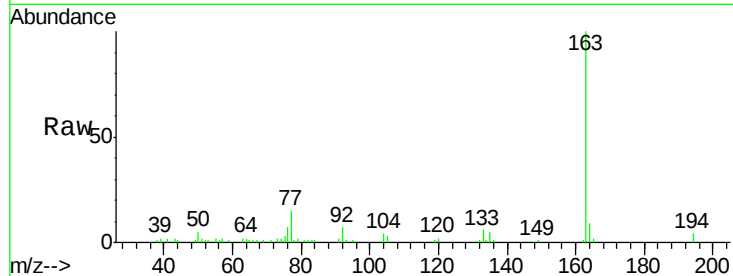
Tgt Ion:163 Resp: 53981

Ion Ratio Lower Upper

163 100

194 3.7 2.4 3.6#

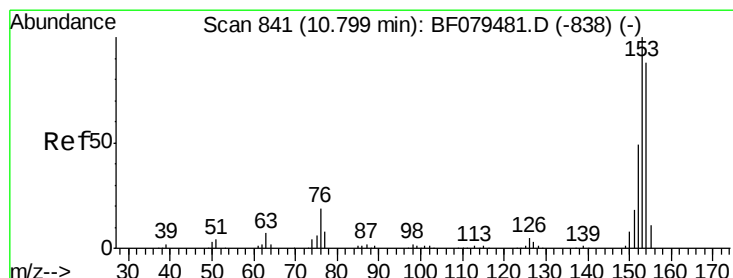
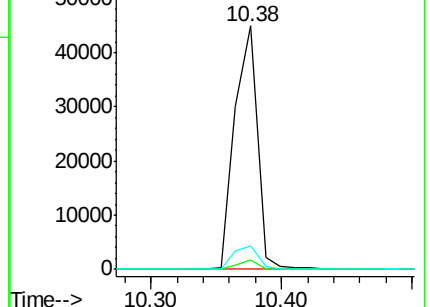
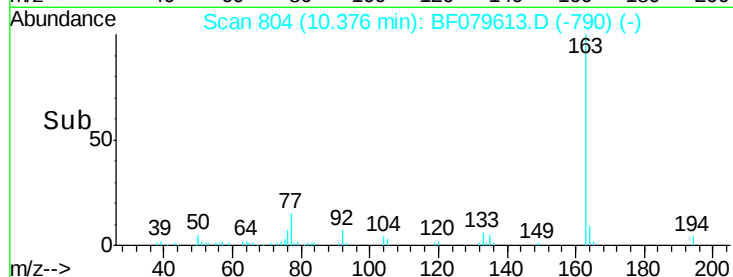
164 9.4 8.2 12.4



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: 14.53 ng

RT: 10.71 min Scan# 833

Delta R.T. -0.03 min

Lab File: BF079613.D

Acq: 30 May 2015 20:10

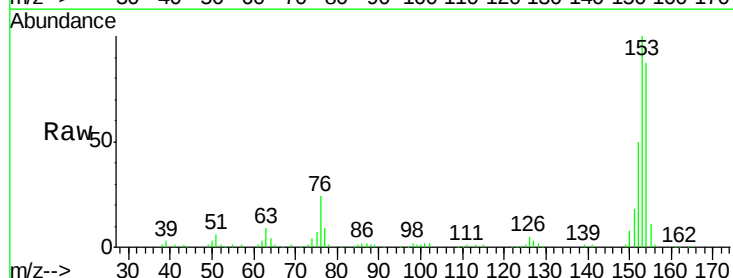
Tgt Ion:154 Resp: 111622

Ion Ratio Lower Upper

154 100

153 114.5 91.1 136.7

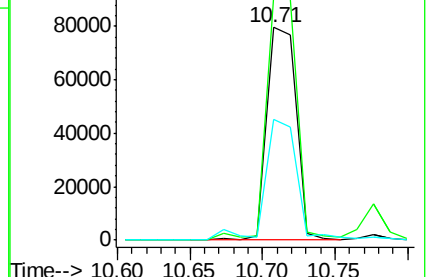
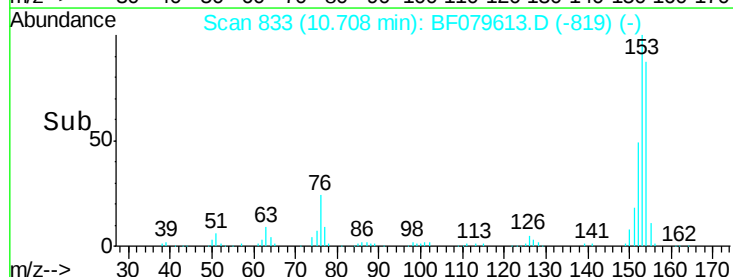
152 57.0 44.6 66.8

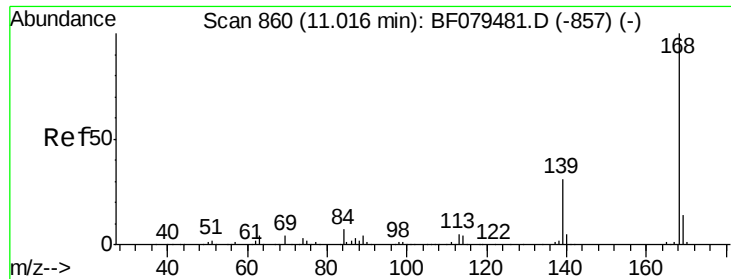


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

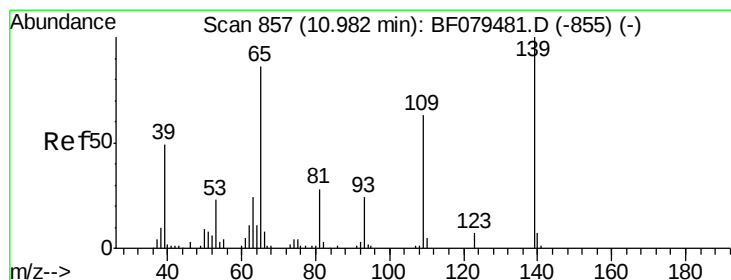
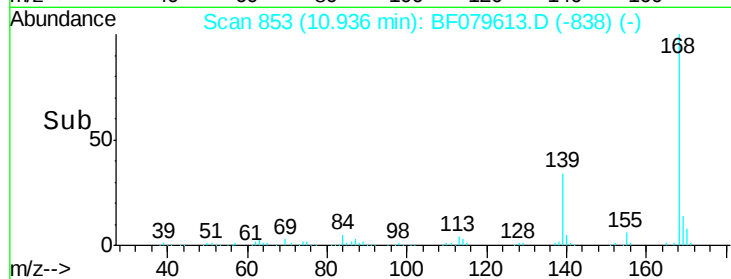
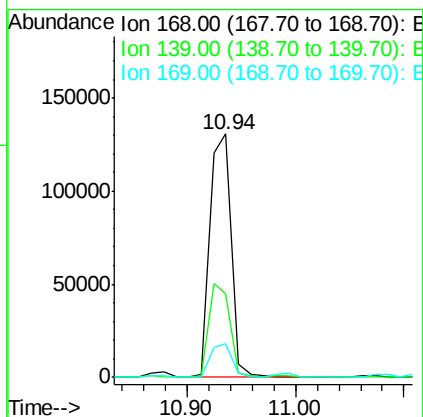
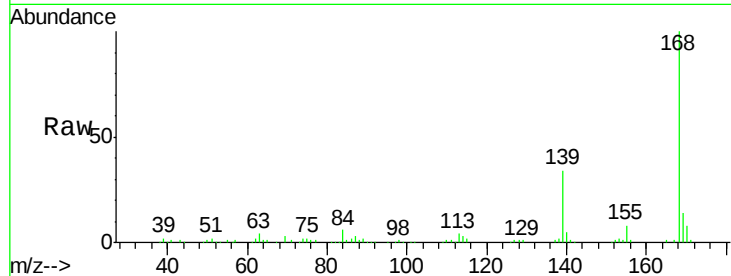




#54
Dibenzofuran
Concen: 15.99 ng
RT: 10.94 min Scan# 853
Delta R.T. -0.02 min
Lab File: BF079613.D
Acq: 30 May 2015 20:10

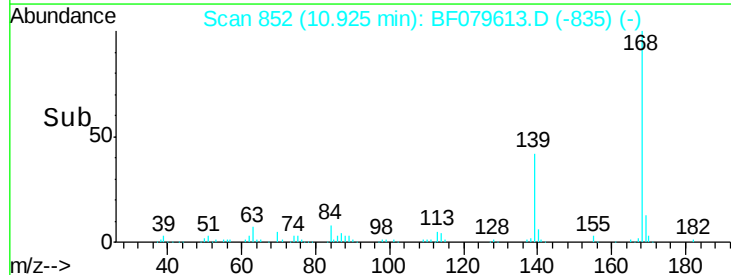
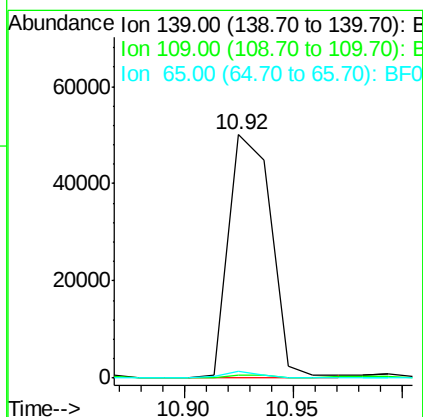
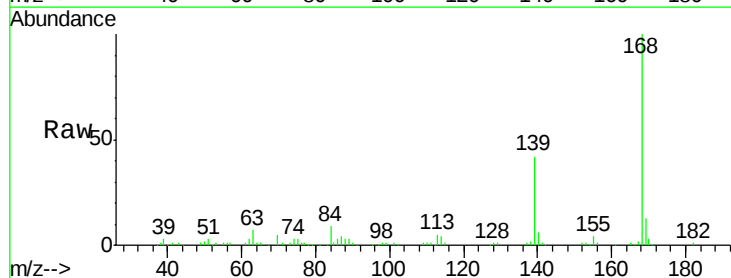
Instrument :
BNA_F
ClientSampleId :
PENRD8.19(5)

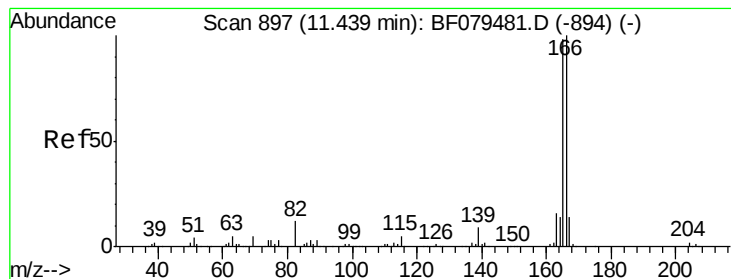
Tgt Ion:168 Resp: 181137
Ion Ratio Lower Upper
168 100
139 34.4 32.9 49.3
169 13.6 11.1 16.7



#55
4-Nitrophenol
Concen: 48.99 ng
RT: 10.92 min Scan# 852
Delta R.T. -0.00 min
Lab File: BF079613.D
Acq: 30 May 2015 20:10

Tgt Ion:139 Resp: 68233
Ion Ratio Lower Upper
139 100
109 1.3 42.8 82.8#
65 2.6 66.3 106.3#





#57

Fluorene

Concen: 18.12 ng

RT: 11.36 min Scan# 890

Delta R.T. -0.02 min

Lab File: BF079613.D

Acq: 30 May 2015 20:10

Instrument :

BNA_F

ClientSampleId :

PENRD8.19(5)

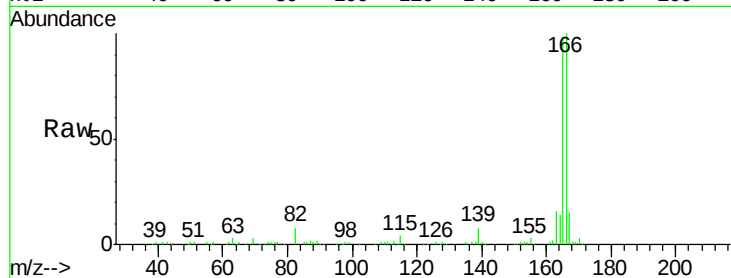
Tgt Ion:166 Resp: 169206

Ion Ratio Lower Upper

166 100

165 97.8 78.6 117.8

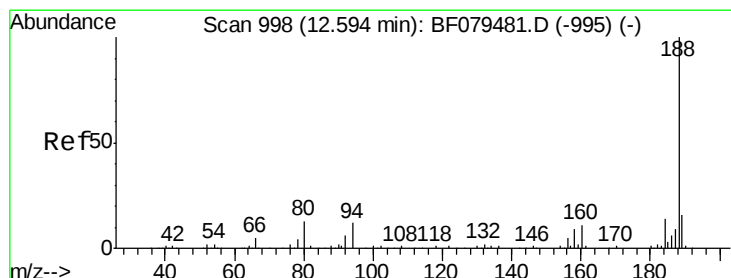
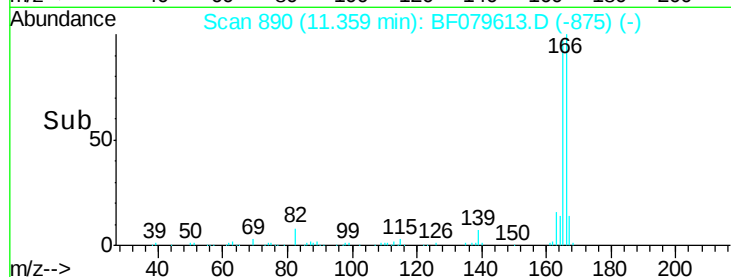
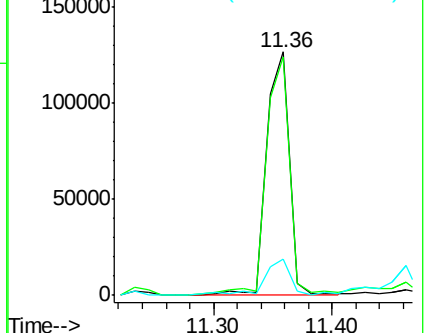
167 14.9 10.8 16.2



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: 12.51 min Scan# 991

Delta R.T. -0.02 min

Lab File: BF079613.D

Acq: 30 May 2015 20:10

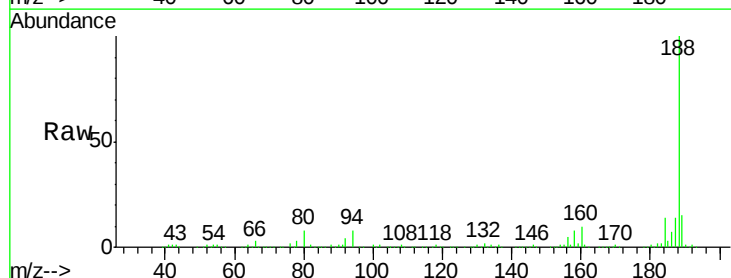
Tgt Ion:188 Resp: 250201

Ion Ratio Lower Upper

188 100

94 8.2 9.8 14.6#

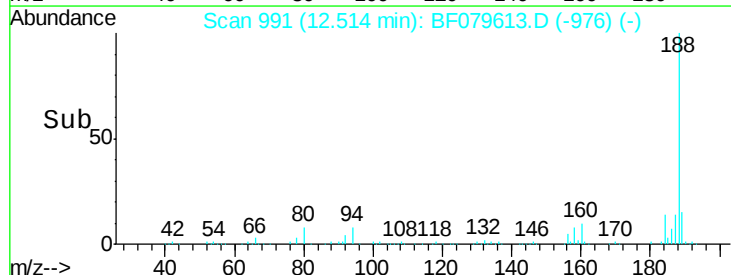
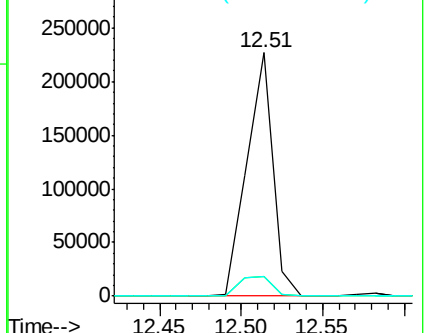
80 8.2 10.5 15.7#

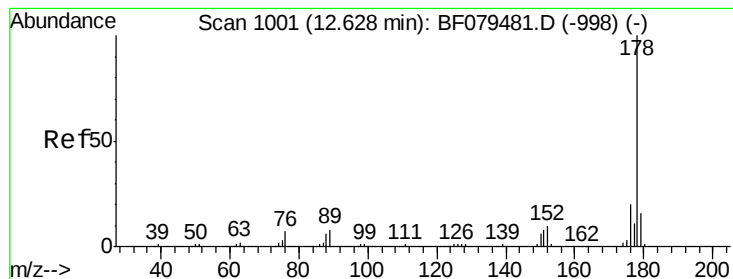


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 129.89 ng

RT: 12.55 min Scan# 994

Delta R.T. -0.02 min

Lab File: BF079613.D

Acq: 30 May 2015 20:10

Instrument :

BNA_F

ClientSampleId :

PENRD8.19(5)

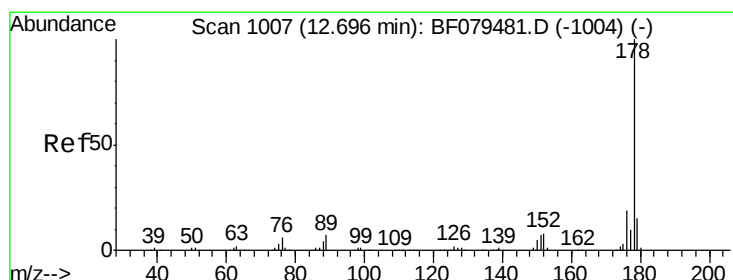
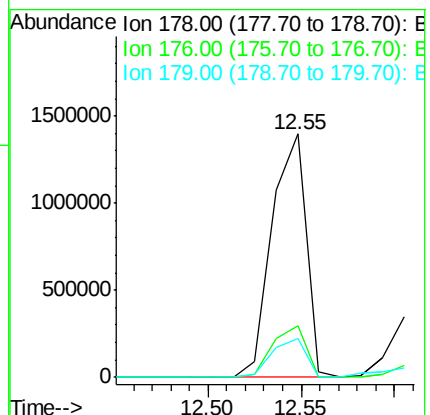
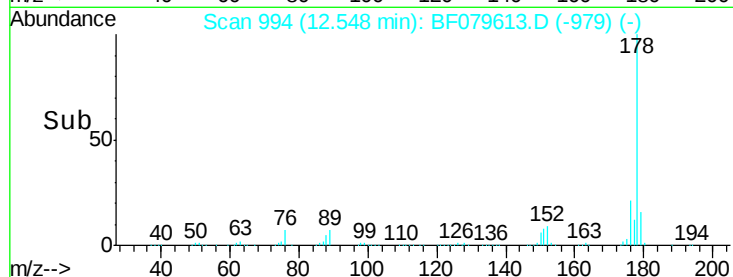
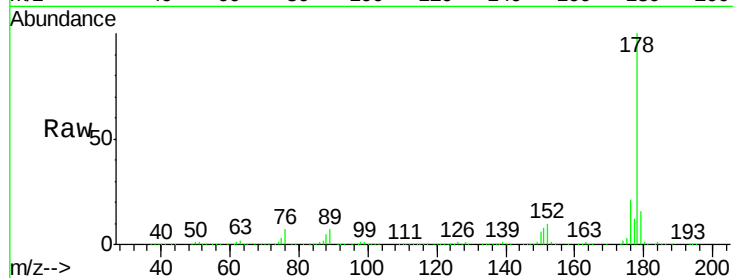
Tgt Ion:178 Resp: 1782862

Ion Ratio Lower Upper

178 100

176 21.0 15.7 23.5

179 16.1 12.4 18.6



#71

Anthracene

Concen: 24.54 ng

RT: 12.61 min Scan# 999

Delta R.T. -0.02 min

Lab File: BF079613.D

Acq: 30 May 2015 20:10

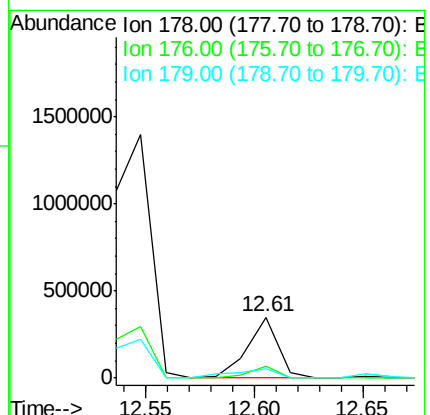
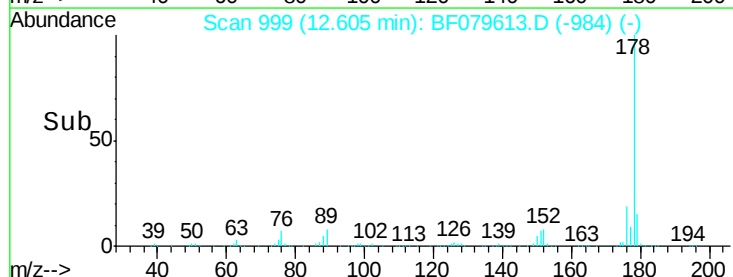
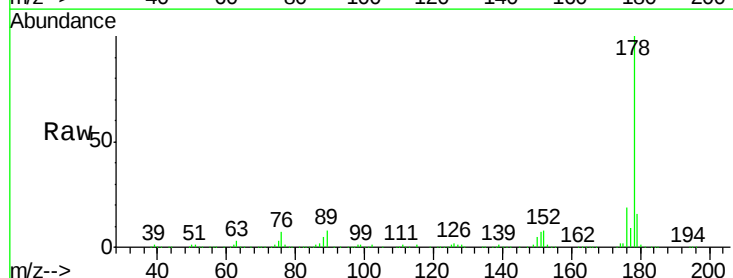
Tgt Ion:178 Resp: 341939

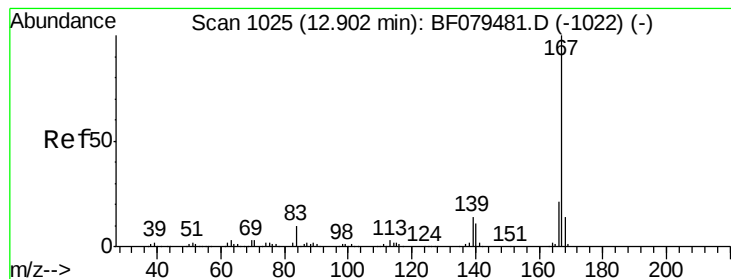
Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.6 12.2 18.4





#72

Carbazole

Concen: 16.81 ng

RT: 12.82 min Scan# 1018

Delta R.T. -0.02 min

Lab File: BF079613.D

Acq: 30 May 2015 20:10

Instrument :

BNA_F

ClientSampleId :

PENRD8.19(5)

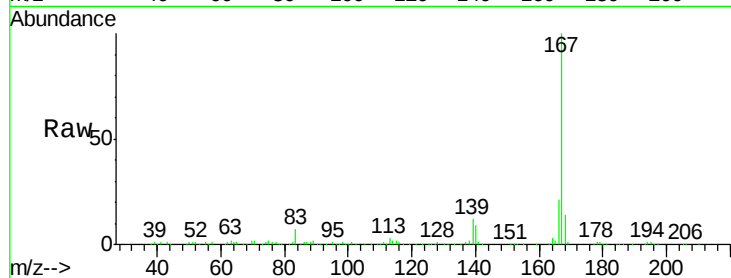
Tgt Ion:167 Resp: 225592

Ion Ratio Lower Upper

167 100

166 20.9 17.0 25.4

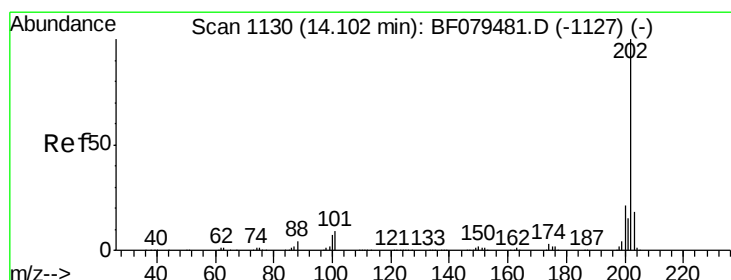
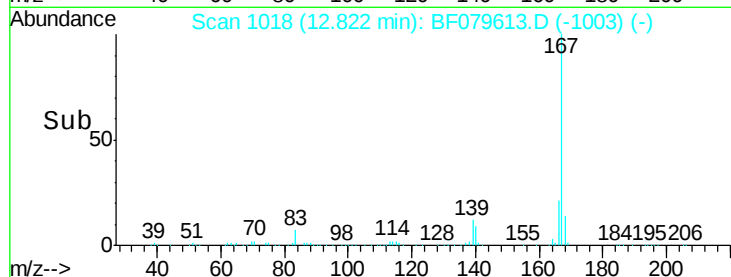
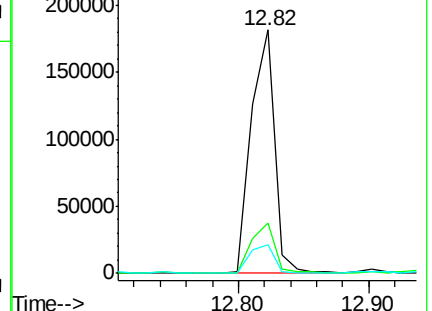
139 11.9 11.2 16.8



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: 116.30 ng

RT: 14.01 min Scan# 1122

Delta R.T. -0.02 min

Lab File: BF079613.D

Acq: 30 May 2015 20:10

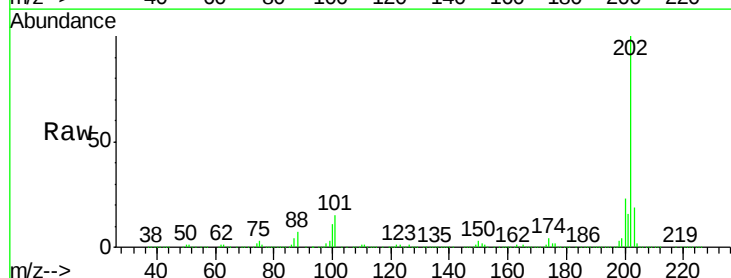
Tgt Ion:202 Resp: 1711865

Ion Ratio Lower Upper

202 100

101 14.9 0.0 29.3

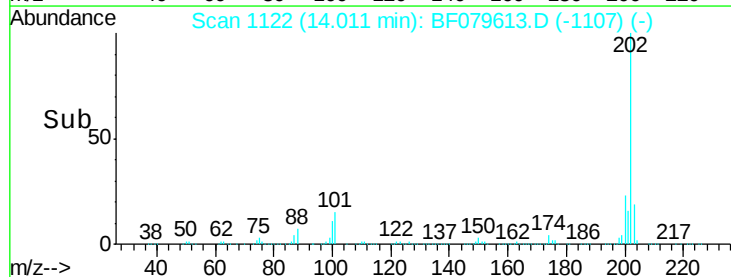
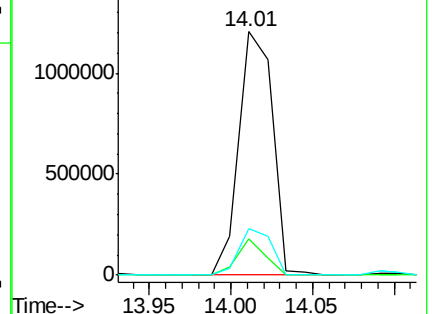
203 19.1 0.0 37.6

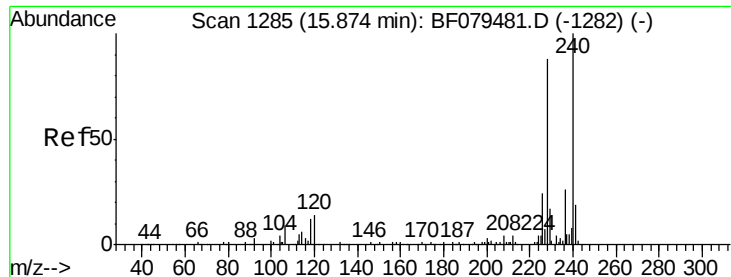


Abundance Ion 202.00 (201.70 to 202.70): E

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: 15.79 min Scan# 1278

Delta R.T. -0.05 min

Lab File: BF079613.D

Acq: 30 May 2015 20:10

Instrument :

BNA_F

ClientSampleId :

PENRD8.19(5)

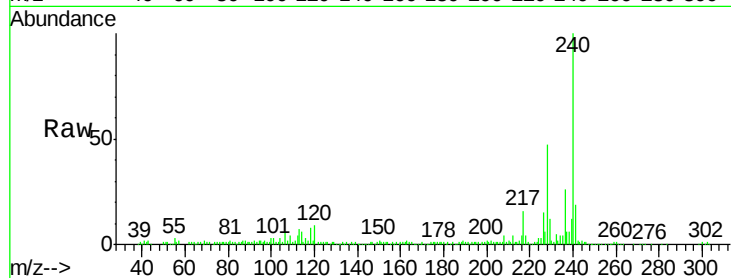
Tgt Ion:240 Resp: 252315

Ion Ratio Lower Upper

240 100

120 9.3 10.8 16.2#

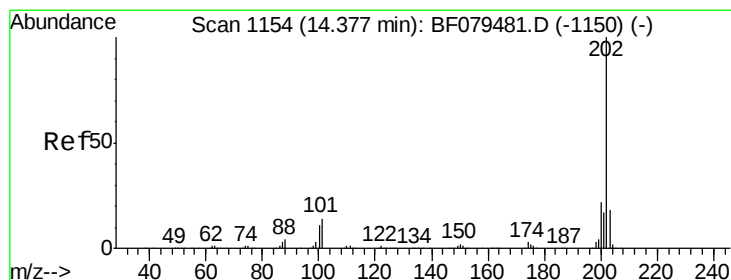
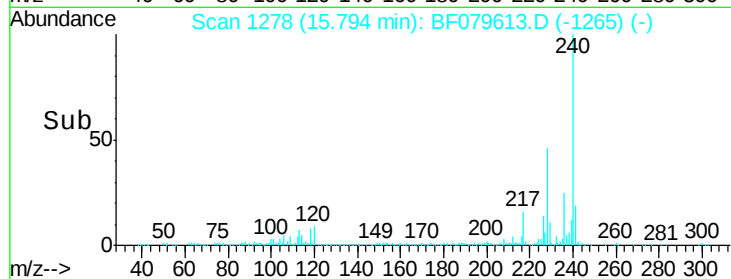
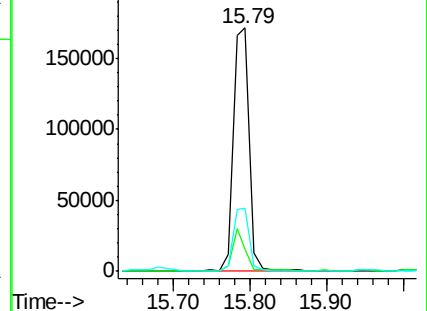
236 26.2 21.0 31.6



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: 93.85 ng

RT: 14.30 min Scan# 1147

Delta R.T. -0.02 min

Lab File: BF079613.D

Acq: 30 May 2015 20:10

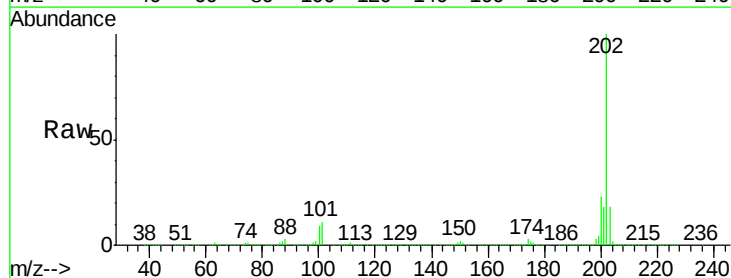
Tgt Ion:202 Resp: 1467053

Ion Ratio Lower Upper

202 100

200 22.6 17.5 26.3

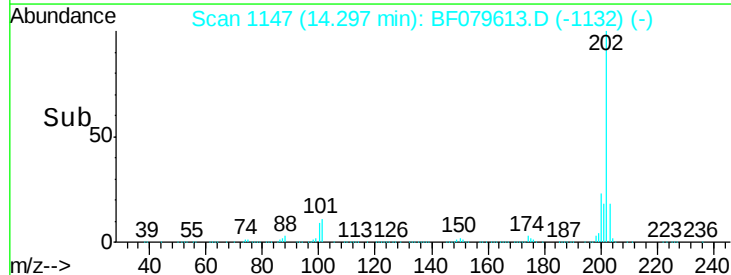
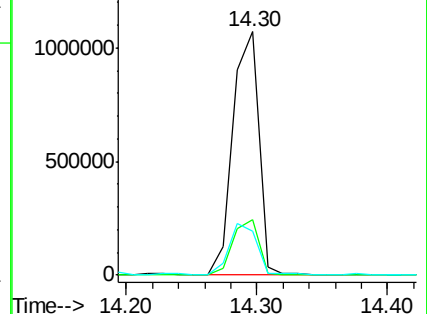
203 18.2 14.4 21.6

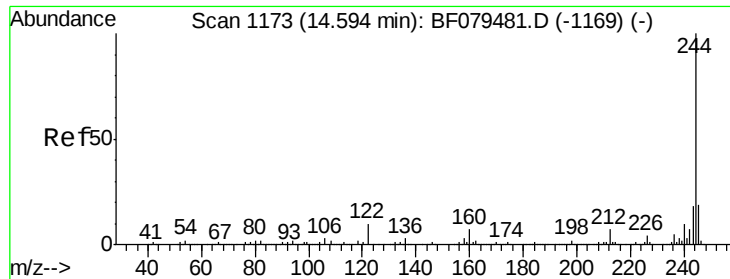


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

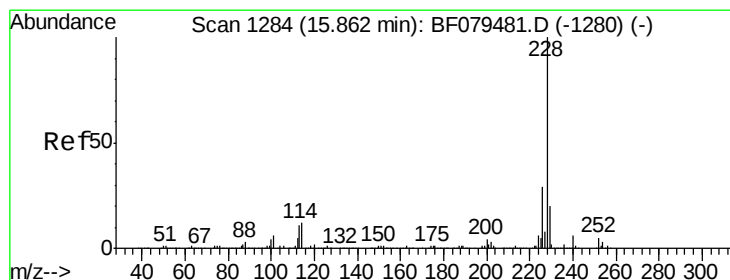
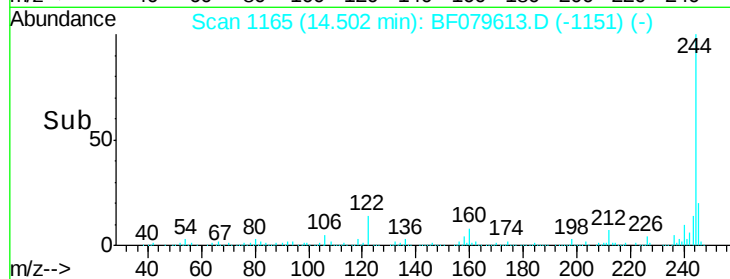
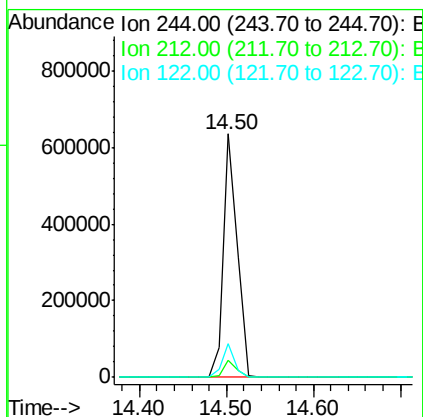
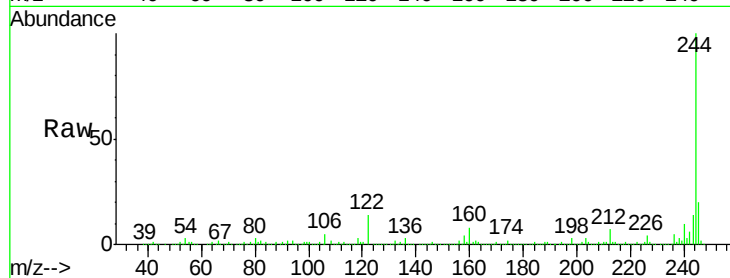




#78
 Terphenyl-d14
 Concen: 66.25 ng
 RT: 14.50 min Scan# 1165
 Delta R.T. -0.03 min
 Lab File: BF079613.D
 Acq: 30 May 2015 20:10

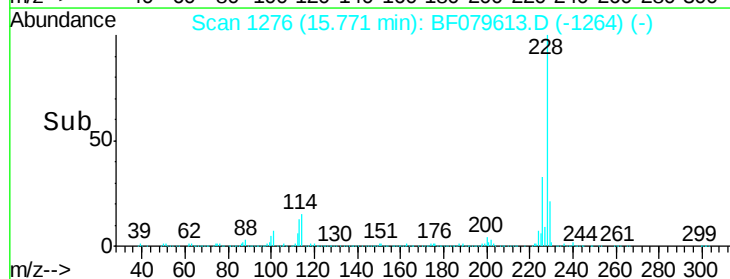
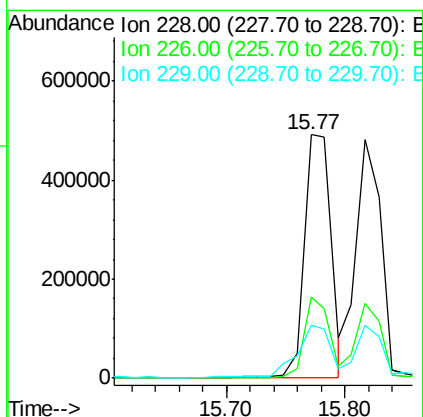
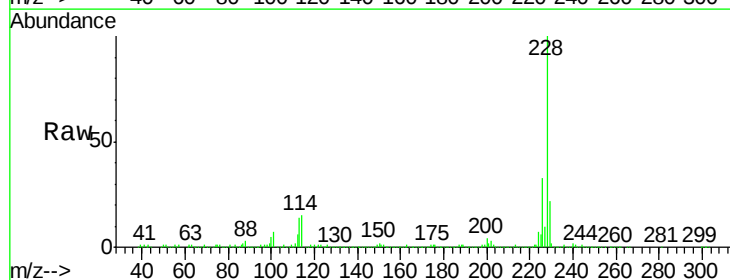
Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.19(5)

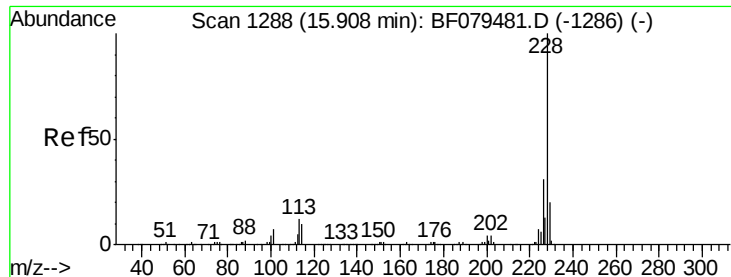
Tgt Ion:244 Resp: 712275
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.2 7.8
 122 13.9 8.0 12.0#



#80
 Benzo(a)anthracene
 Concen: 52.91 ng
 RT: 15.77 min Scan# 1276
 Delta R.T. -0.06 min
 Lab File: BF079613.D
 Acq: 30 May 2015 20:10

Tgt Ion:228 Resp: 767966
 Ion Ratio Lower Upper
 228 100
 226 33.2 22.8 34.2
 229 21.7 15.9 23.9





#82

Chrysene

Concen: 50.58 ng

RT: 15.82 min Scan# 1280

Delta R.T. -0.06 min

Lab File: BF079613.D

Acq: 30 May 2015 20:10

Instrument :

BNA_F

ClientSampleId :

PENRD8.19(5)

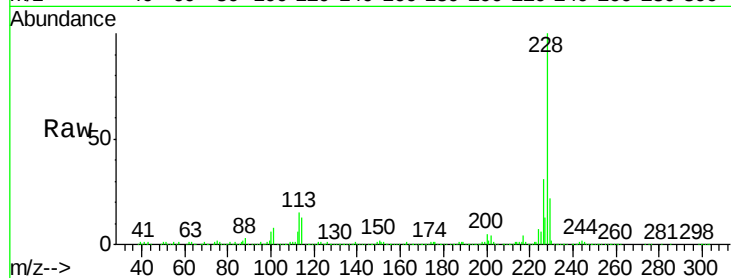
Tgt Ion:228 Resp: 697838

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.4

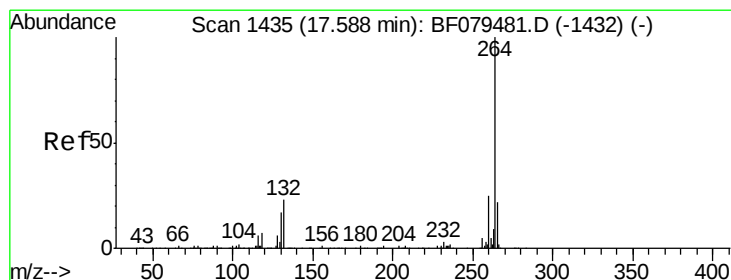
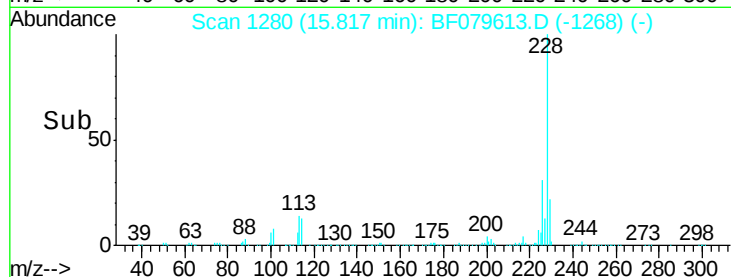
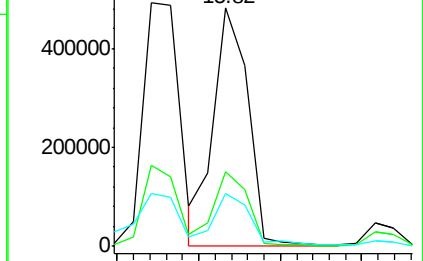
229 22.2 15.9 23.9



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: 17.51 min Scan# 1428

Delta R.T. -0.16 min

Lab File: BF079613.D

Acq: 30 May 2015 20:10

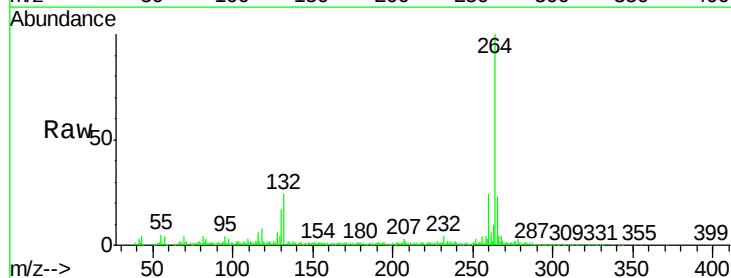
Tgt Ion:264 Resp: 274502

Ion Ratio Lower Upper

264 100

260 23.8 19.8 29.8

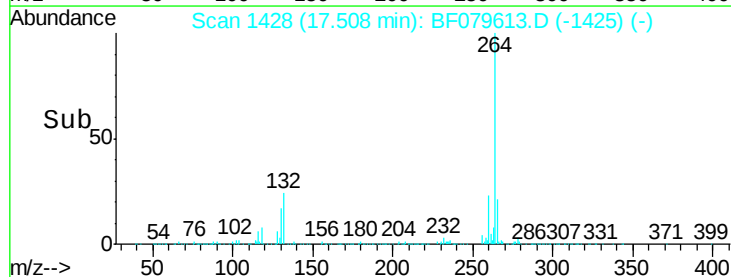
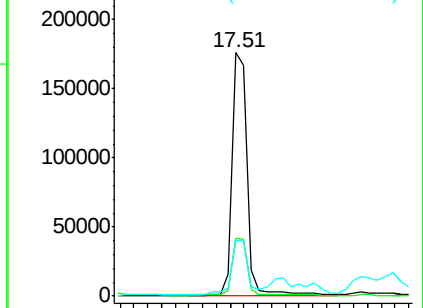
265 22.7 17.8 26.6

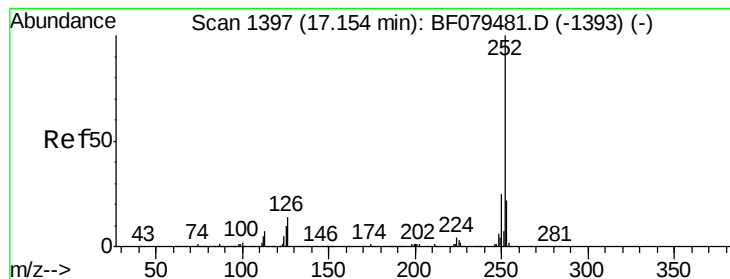


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 74.91 ng

RT: 17.07 min Scan# 1390

Delta R.T. -0.13 min

Lab File: BF079613.D

Acq: 30 May 2015 20:10

Instrument :

BNA_F

ClientSampleId :

PENRD8.19(5)

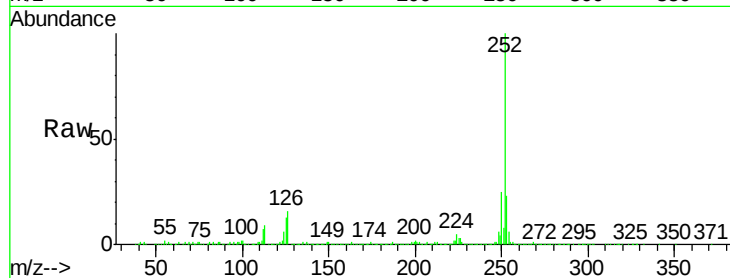
Tgt Ion:252 Resp: 1172829

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

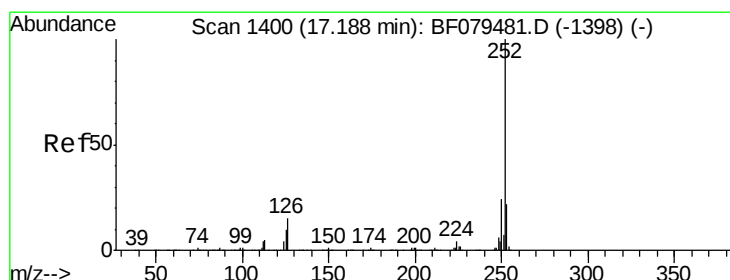
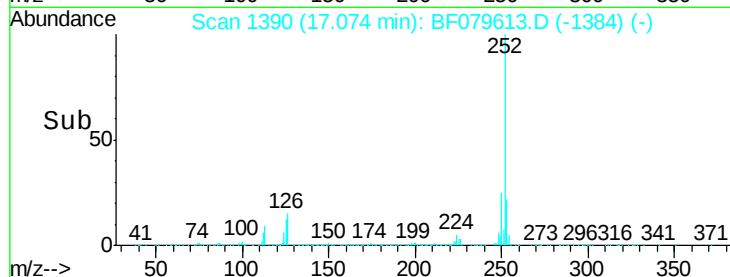
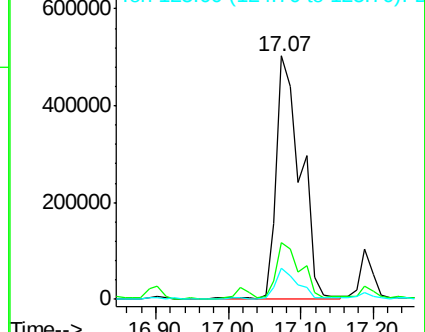
125 12.5 7.8 11.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 83.77 ng

RT: 17.07 min Scan# 1390

Delta R.T. -0.16 min

Lab File: BF079613.D

Acq: 30 May 2015 20:10

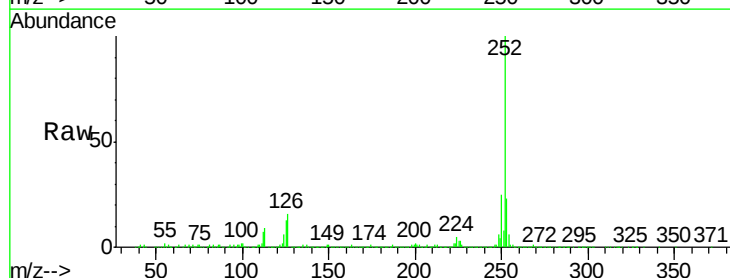
Tgt Ion:252 Resp: 1172829

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

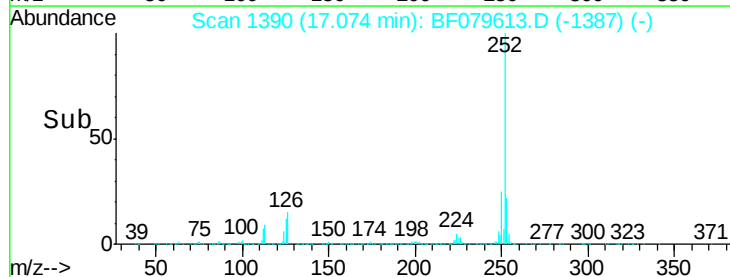
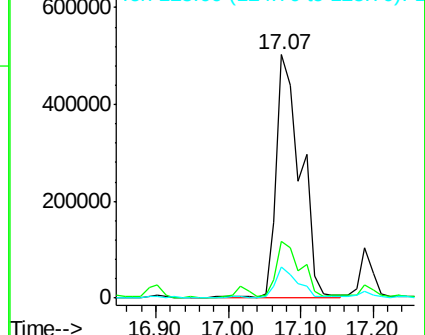
125 12.5 6.8 10.2#

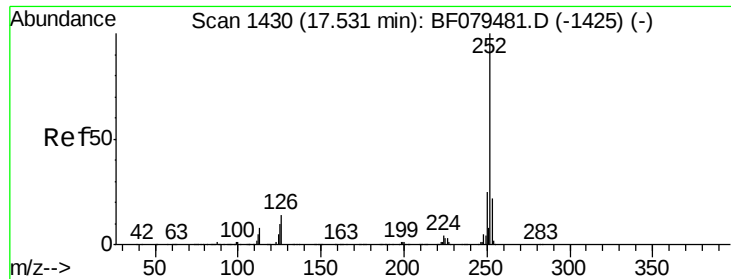


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

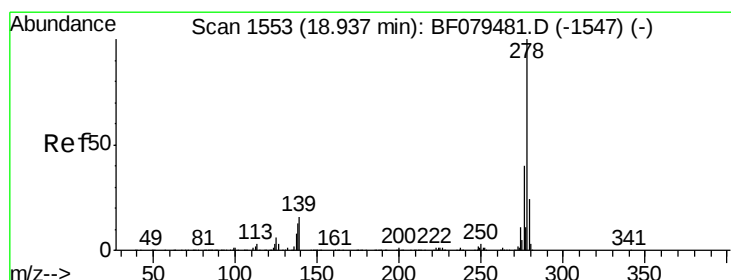
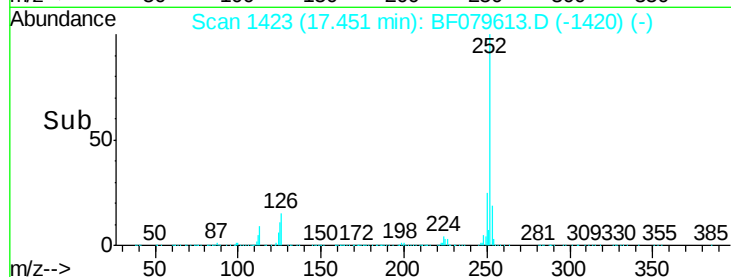
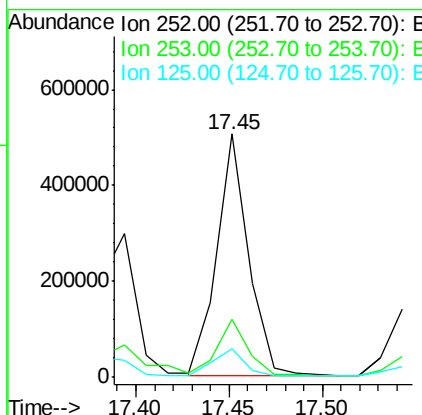
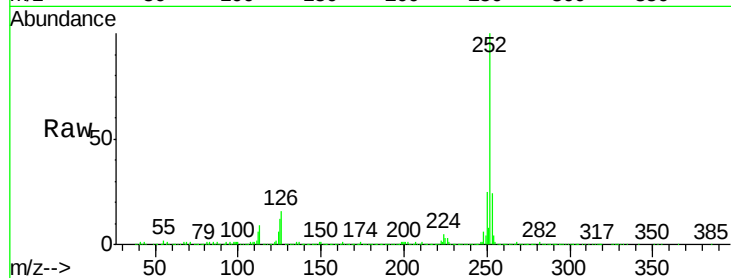




#89
Benzo(a)pyrene
Concen: 43.97 ng
RT: 17.45 min Scan# 1423
Delta R.T. -0.16 min
Lab File: BF079613.D
Acq: 30 May 2015 20:10

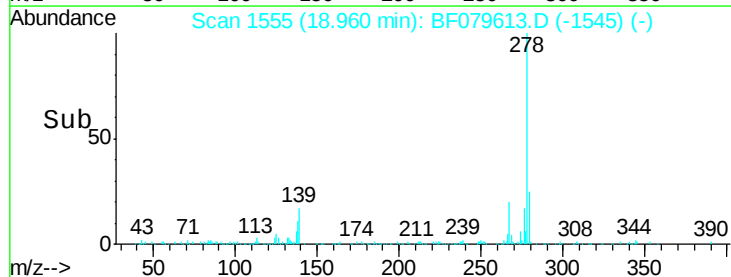
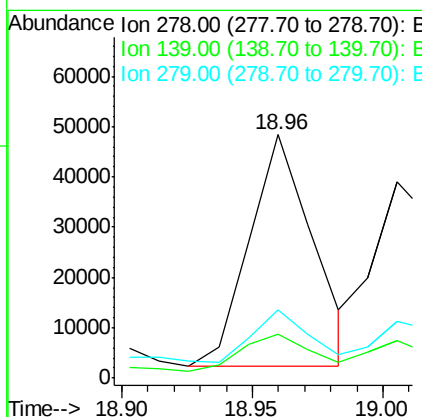
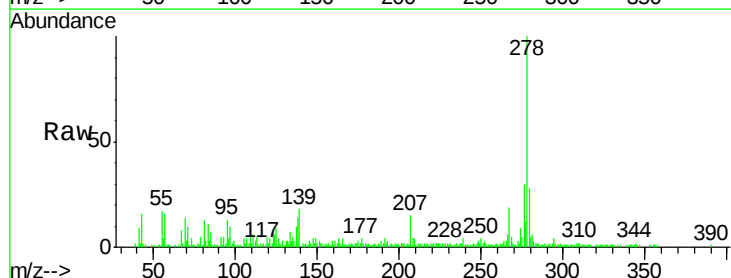
Instrument :
BNA_F
ClientSampleId :
PENRD8.19(5)

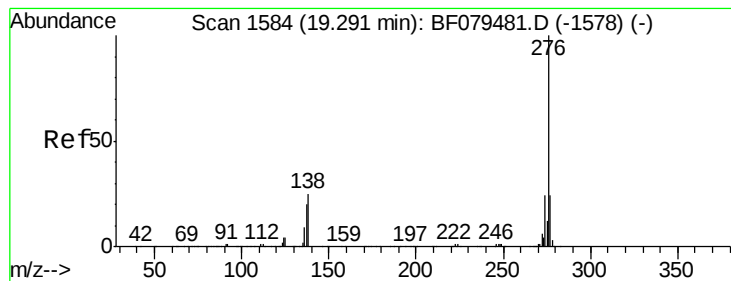
Tgt Ion: 252 Resp: 604217
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 11.6 7.9 11.9



#90
Dibenzo(a,h)anthracene
Concen: 4.04 ng
RT: 18.96 min Scan# 1555
Delta R.T. -0.08 min
Lab File: BF079613.D
Acq: 30 May 2015 20:10

Tgt Ion: 278 Resp: 77947
Ion Ratio Lower Upper
278 100
139 18.1 12.8 19.2
279 27.8 19.1 28.7





#91

Benzo(g,h,i)perylene

Concen: 24.98 ng

RT: 19.18 min Scan# 1574

Delta R.T. -0.23 min

Lab File: BF079613.D

Acq: 30 May 2015 20:10

Instrument :

BNA_F

ClientSampleId :

PENRD8.19(5)

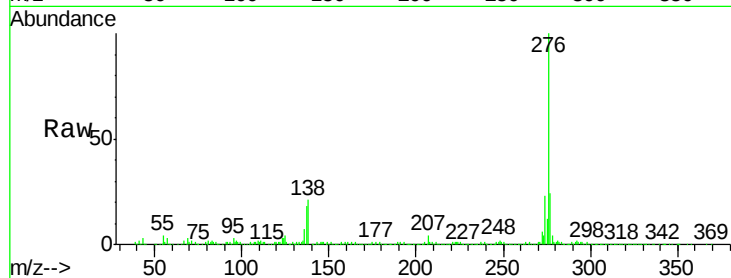
Tgt Ion: 276 Resp: 362863

Ion Ratio Lower Upper

276 100

277 23.8 19.1 28.7

138 20.8 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

