

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
 Data File : BF079619.D
 Acq On : 30 May 2015 23:04
 Operator : TP/IZ
 Sample : G2416-08 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAMPTP-440SB2.1(4)

Quant Time: May 31 05:51:02 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

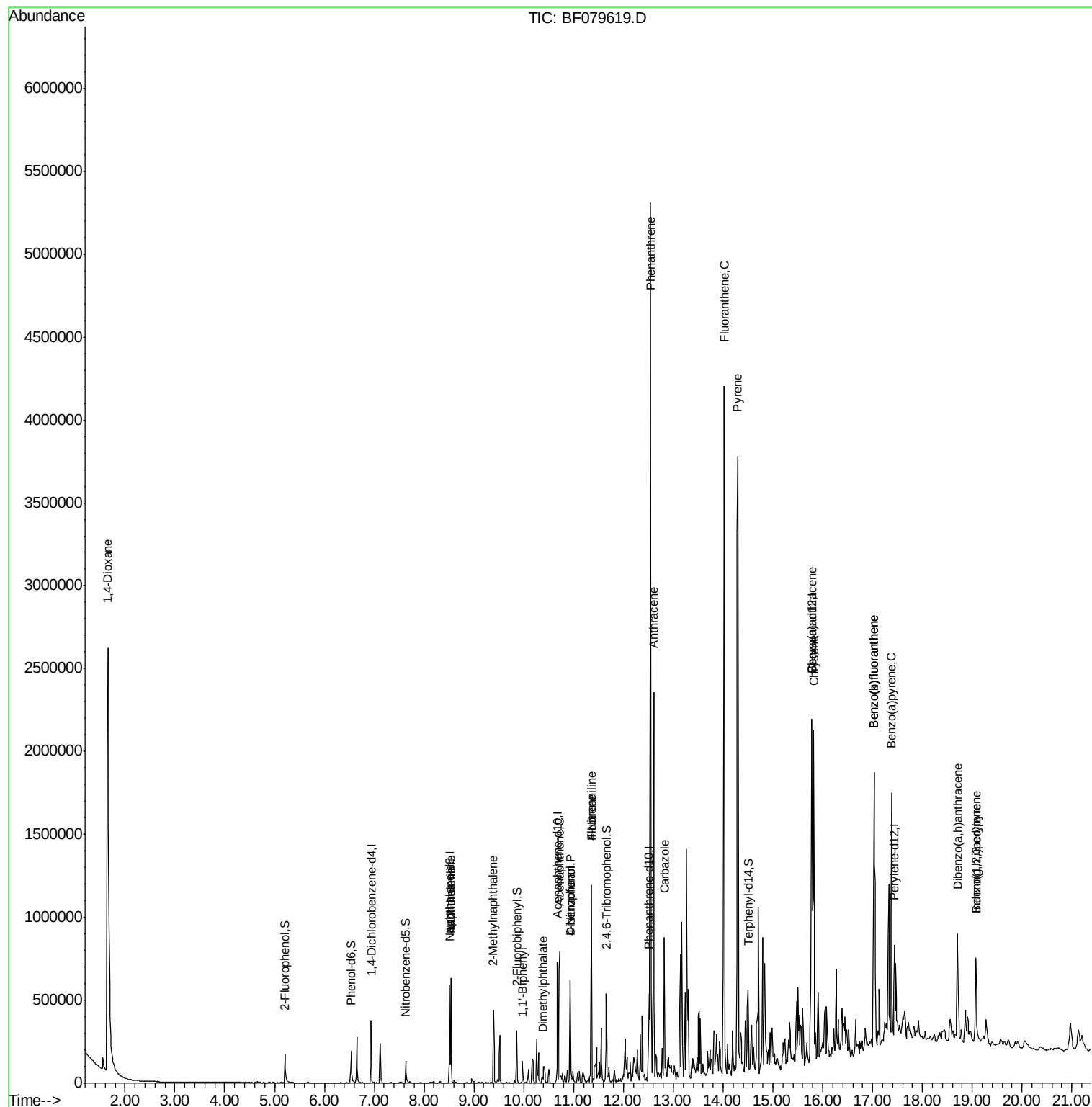
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	65240	20.00	ng	-0.02
21) Naphthalene-d8	8.51	136	270830	20.00	ng	-0.02
38) Acenaphthene-d10	10.67	164	129144	20.00	ng	-0.03
63) Phenanthrene-d10	12.51	188	238863	20.00	ng	-0.02
75) Chrysene-d12	15.78	240	247093	20.00	ng	-0.06
86) Perylene-d12	17.44	264	193827	20.00	ng	-0.23
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	78180	20.78	ng	-0.02
7) Phenol-d6	6.54	99	100407	20.94	ng	-0.02
23) Nitrobenzene-d5	7.63	82	55263	11.80	ng	-0.03
41) 2,4,6-Tribromophenol	11.66	330	29143	20.55	ng	-0.03
44) 2-Fluorobiphenyl	9.86	172	126529	13.98	ng	-0.02
78) Terphenyl-d14	14.50	244	154191	14.64	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	1.66	88	150093	83.88	ng	# 100
31) Naphthalene	8.54	128	294863	22.69	ng	99
33) 4-Chloroaniline	8.54	127	36869	6.79	ng	# 30
37) 2-Methylnaphthalene	9.39	142	148177	16.42	ng	98
45) 1,1'-Biphenyl	9.98	154	40508	4.02	ng	94
49) Dimethylphthalate	10.38	163	22226	2.34	ng	# 99
51) Acenaphthene	10.72	154	258858	34.23	ng	98
54) Dibenzofuran	10.94	168	361538	32.42	ng	91
55) 4-Nitrophenol	10.94	139	135222	98.61	ng	# 13
57) Fluorene	11.36	166	470801	51.22	ng	99
61) 4-Nitroaniline	11.36	138	4888	2.12	ng	# 16
70) Phenanthrene	12.55	178	2421154	184.76	ng	95
71) Anthracene	12.61	178	957312	71.96	ng	98
72) Carbazole	12.82	167	454876	35.51	ng	98
73) Di-n-butylphthalate	13.27	149	2333	Below Cal		# 1
74) Fluoranthene	14.02	202	2374465	168.97	ng	97
77) Pyrene	14.30	202	1917992	125.29	ng	97
80) Benzo(a)anthracene	15.78	228	1134957	79.85	ng	99
82) Chrysene	15.82	228	918830	68.01	ng	97
85) Indeno(1,2,3-cd)pyrene	19.07	276	385134	22.16	ng	96
87) Benzo(b)fluoranthene	17.03	252	1408142	127.38	ng	# 95
88) Benzo(k)fluoranthene	17.03	252	1408142	142.44	ng	# 94
89) Benzo(a)pyrene	17.38	252	737268	77.44	ng	98
90) Dibenzo(a,h)anthracene	18.71	278	139235	12.64	ng	93
91) Benzo(g,h,i)perylene	19.07	276	402312	39.80	ng	97

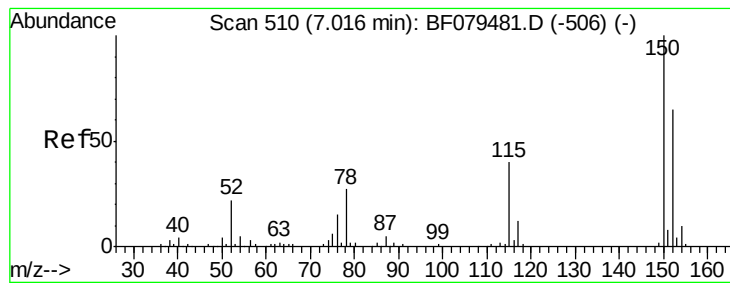
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 503

Delta R.T. -0.02 min

Lab File: BF079619.D

Acq: 30 May 2015 23:04

Instrument :

BNA_F

ClientSampleId :

RAMPTP-440SB2.1(4)

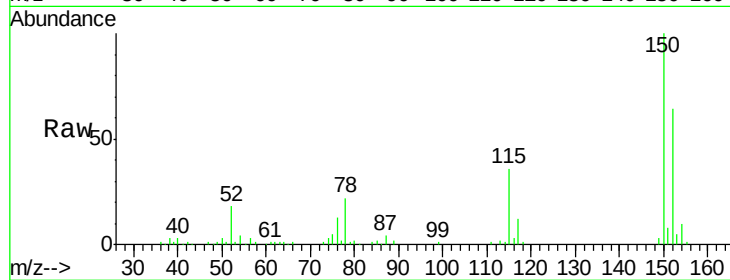
Tgt Ion:152 Resp: 65240

Ion Ratio Lower Upper

152 100

150 155.4 124.0 186.0

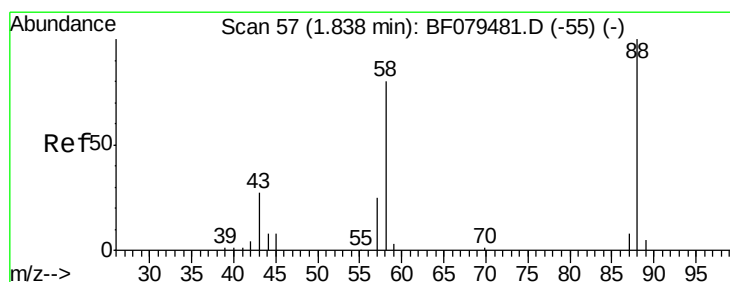
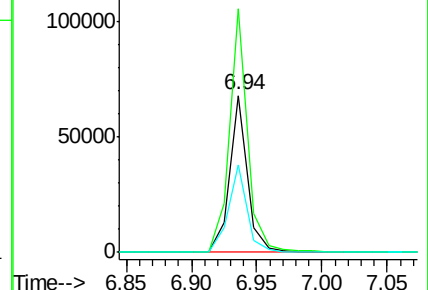
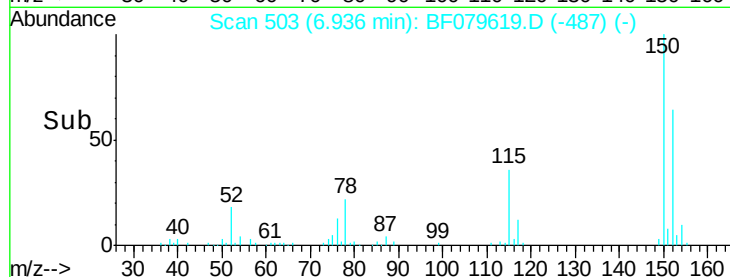
115 56.2 49.6 74.4



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: 83.88 ng

RT: 1.66 min Scan# 41

Delta R.T. -0.11 min

Lab File: BF079619.D

Acq: 30 May 2015 23:04

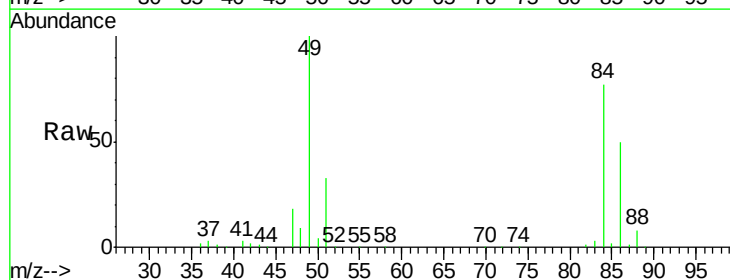
Tgt Ion: 88 Resp: 150093

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

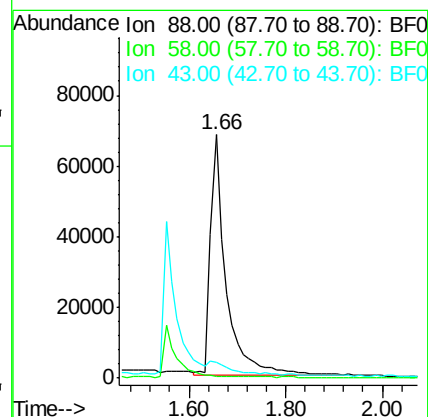
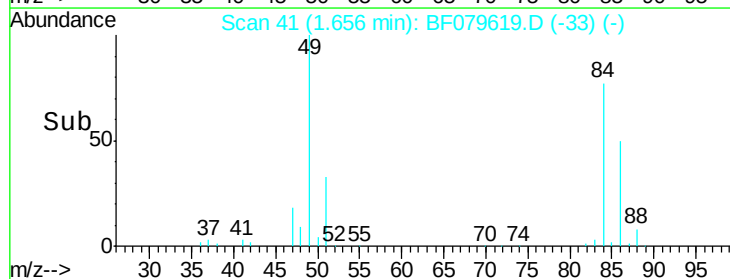
43 8.4 0.0 0.0#

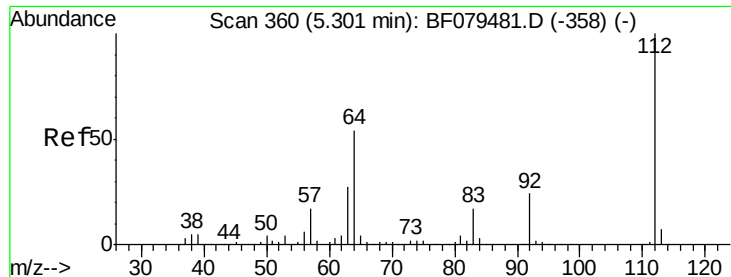


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

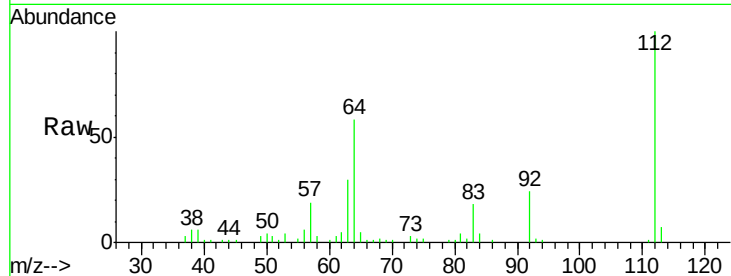




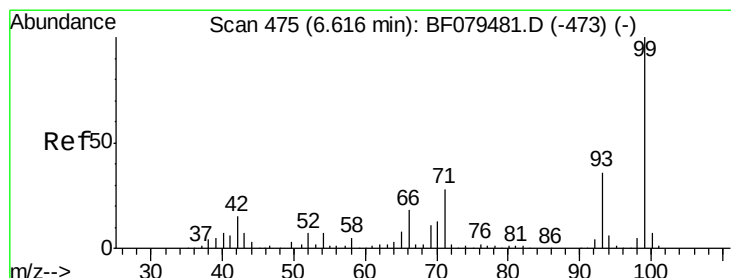
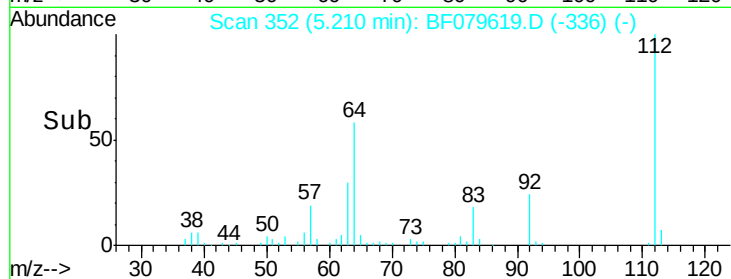
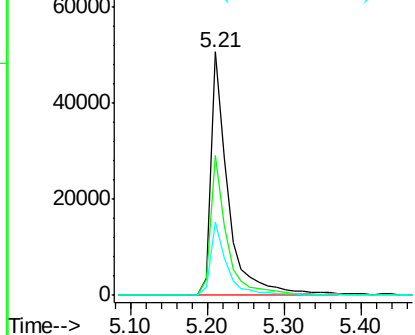
#5
 2-Fluorophenol
 Concen: 20.78 ng
 RT: 5.21 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: BF079619.D
 Acq: 30 May 2015 23:04

Instrument :
 BNA_F
 ClientSampleId :
 RAMPTP-440SB2.1(4)

Tgt Ion: 112 Resp: 78180
 Ion Ratio Lower Upper
 112 100
 64 57.7 43.5 65.3
 63 30.0 21.8 32.8

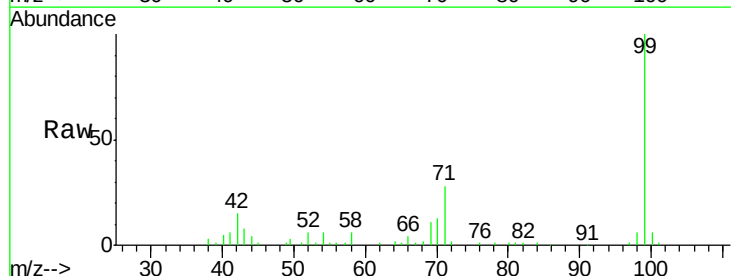


Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0

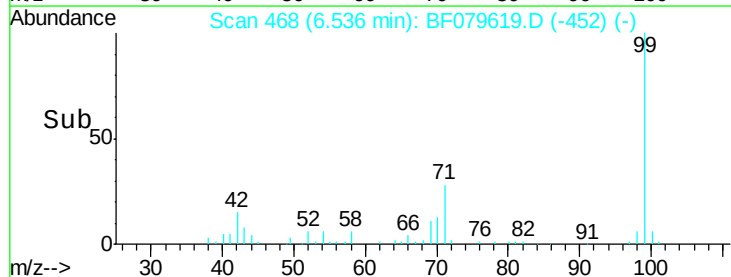
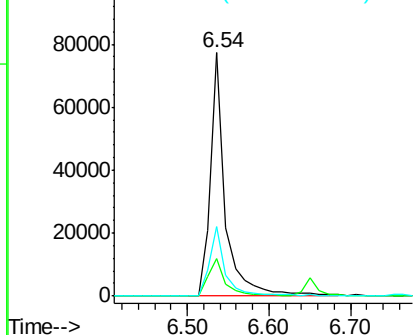


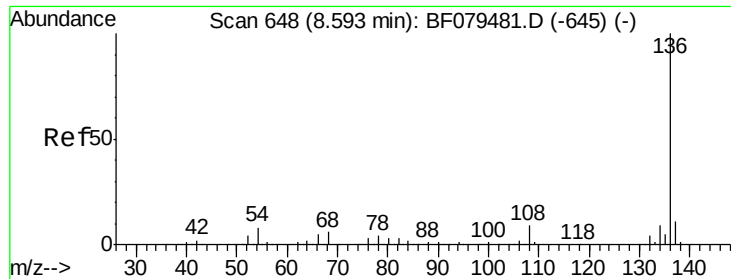
#7
 Phenol-d6
 Concen: 20.94 ng
 RT: 6.54 min Scan# 468
 Delta R.T. -0.02 min
 Lab File: BF079619.D
 Acq: 30 May 2015 23:04

Tgt Ion: 99 Resp: 100407
 Ion Ratio Lower Upper
 99 100
 42 15.5 11.9 17.9
 71 28.4 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

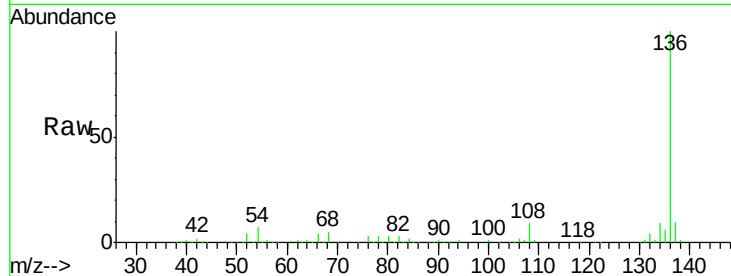




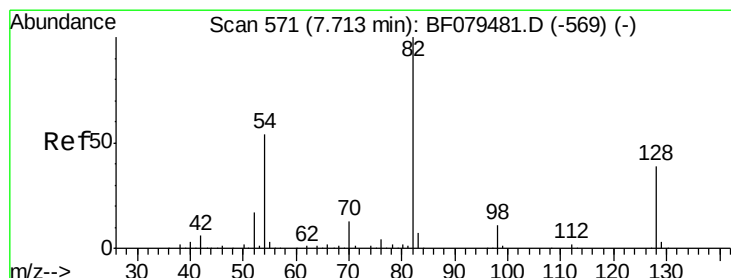
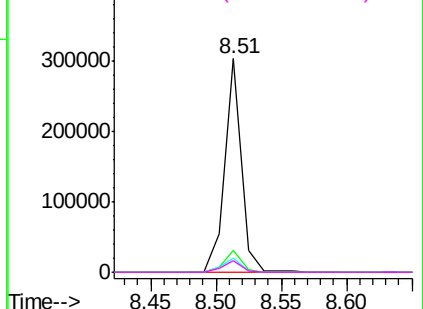
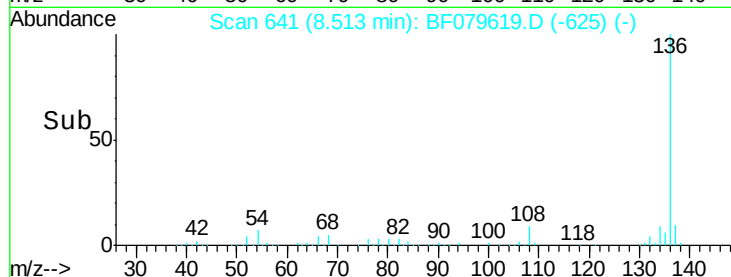
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.51 min Scan# 641
Delta R.T. -0.02 min
Lab File: BF079619.D
Acq: 30 May 2015 23:04

Instrument :
BNA_F
ClientSampleId :
RAMPTP-440SB2.1(4)

Tgt Ion:	136	Resp:	270830
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.5	12.7
54	6.6	6.6	9.8
68	5.2	4.7	7.1

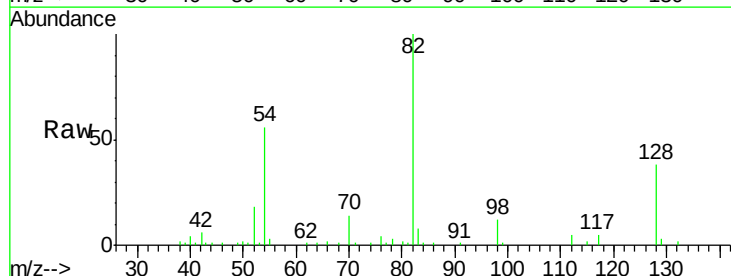


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

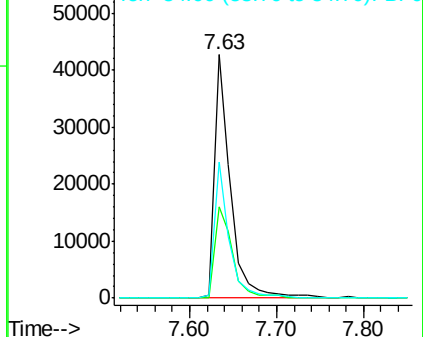
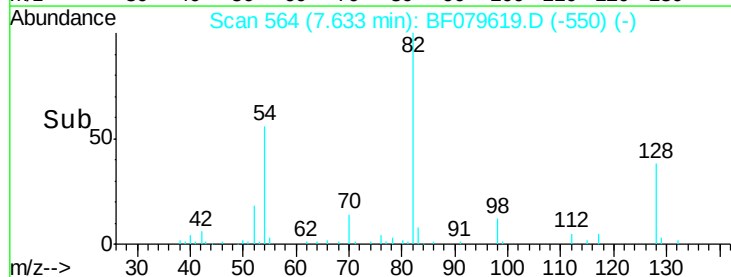


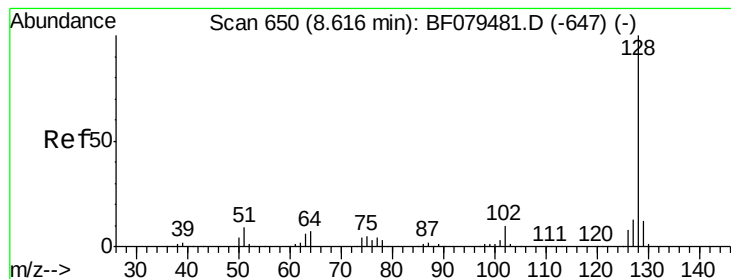
#23
Nitrobenzene-d5
Concen: 11.80 ng
RT: 7.63 min Scan# 564
Delta R.T. -0.03 min
Lab File: BF079619.D
Acq: 30 May 2015 23:04

Tgt Ion:	82	Resp:	55263
Ion	Ratio	Lower	Upper
82	100		
128	37.7	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): E
Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 22.69 ng

RT: 8.54 min Scan# 643

Delta R.T. -0.03 min

Lab File: BF079619.D

Acq: 30 May 2015 23:04

Instrument :

BNA_F

ClientSampleId :

RAMPTP-440SB2.1(4)

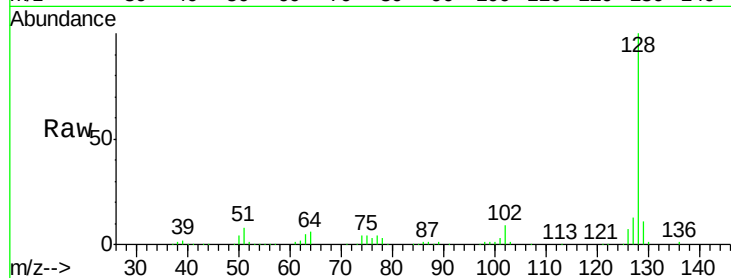
Tgt Ion:128 Resp: 294863

Ion Ratio Lower Upper

128 100

129 11.3 9.3 13.9

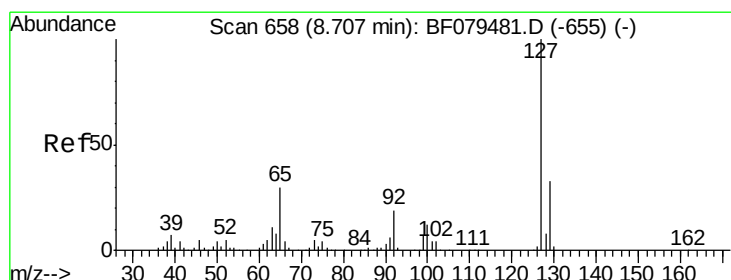
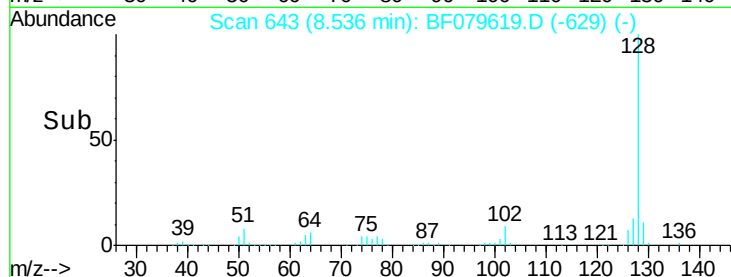
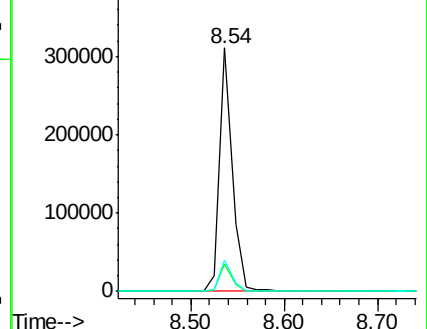
127 12.7 10.6 15.8



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: 6.79 ng

RT: 8.54 min Scan# 643

Delta R.T. -0.11 min

Lab File: BF079619.D

Acq: 30 May 2015 23:04

Tgt Ion:127 Resp: 36869

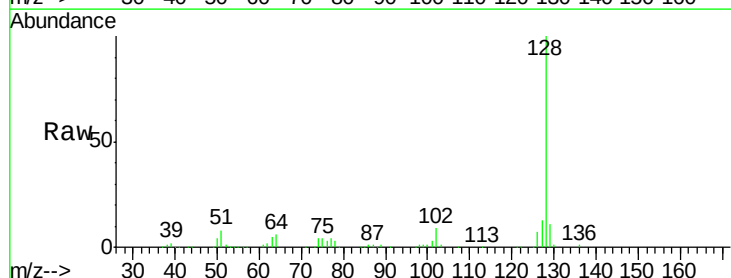
Ion Ratio Lower Upper

127 100

129 89.1 26.2 39.2#

65 0.0 24.2 36.4#

92 0.0 15.4 23.0#

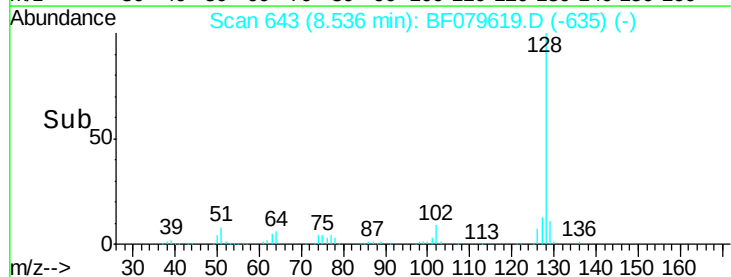
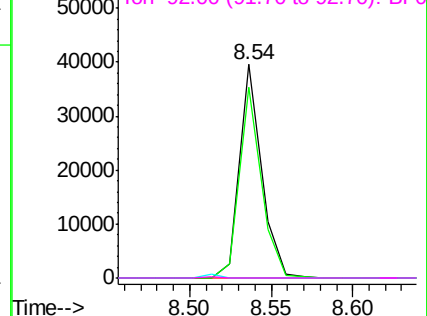


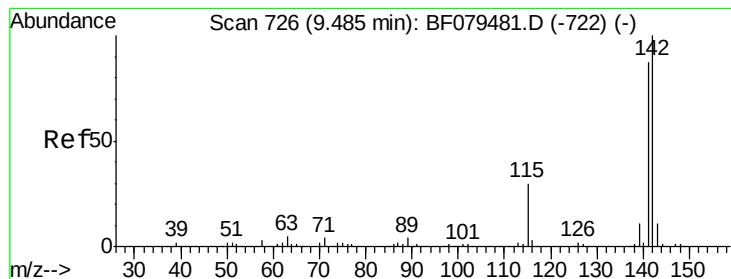
Abundance Ion 127.00 (126.70 to 127.70): E

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: 16.42 ng

RT: 9.39 min Scan# 718

Delta R.T. -0.03 min

Lab File: BF079619.D

Acq: 30 May 2015 23:04

Instrument :

BNA_F

ClientSampleId :

RAMP-TP-440SB2.1(4)

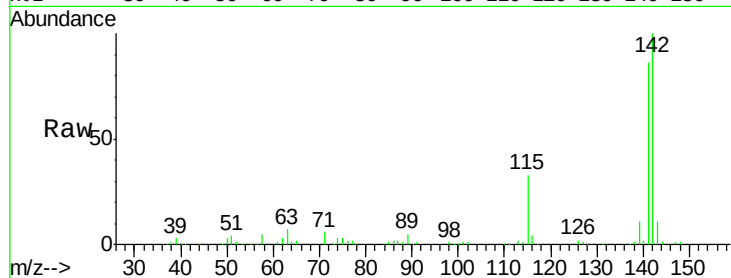
Tgt Ion:142 Resp: 148177

Ion Ratio Lower Upper

142 100

141 86.1 69.5 104.3

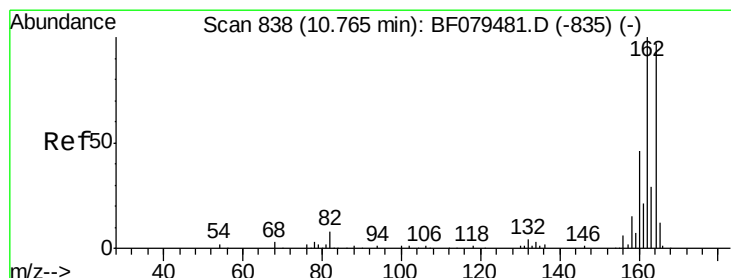
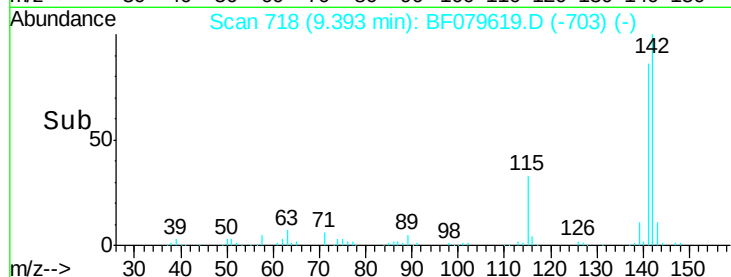
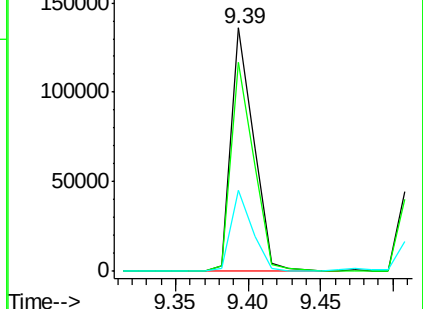
115 33.3 23.8 35.6



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: BF079619.D

Acq: 30 May 2015 23:04

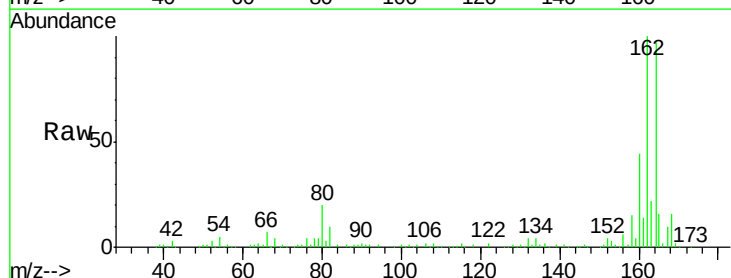
Tgt Ion:164 Resp: 129144

Ion Ratio Lower Upper

164 100

162 102.9 82.6 124.0

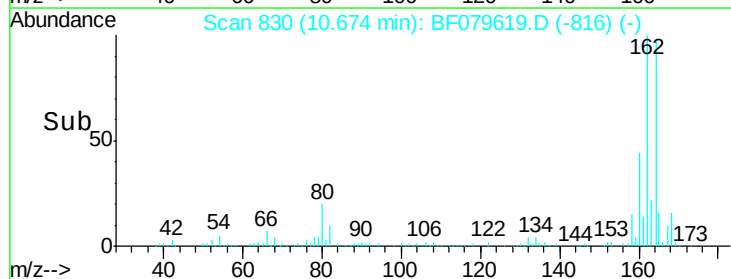
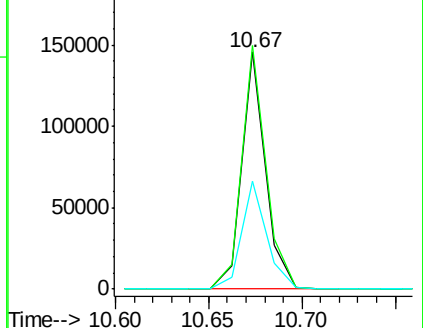
160 45.4 37.7 56.5

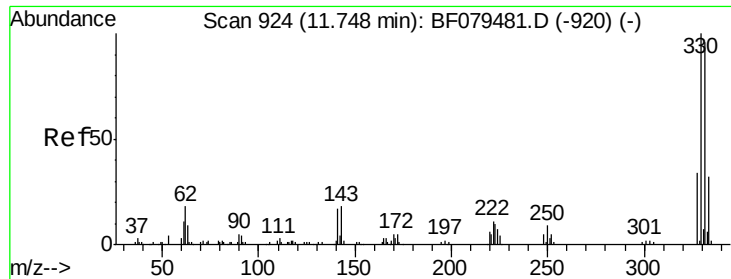


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

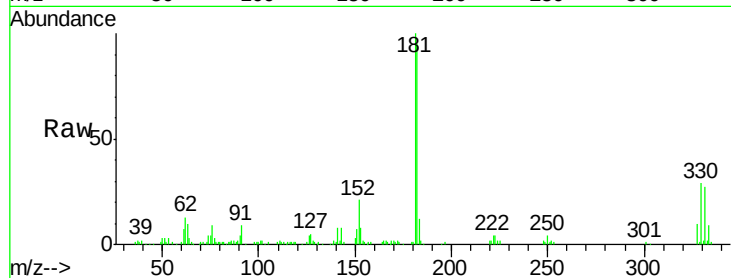




#41
 2,4,6-Tribromophenol
 Concen: 20.55 ng
 RT: 11.66 min Scan# 916
 Delta R.T. -0.03 min
 Lab File: BF079619.D
 Acq: 30 May 2015 23:04

Instrument :
 BNA_F
 ClientSampleId :
 RAMPTP-440SB2.1(4)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.7	0.0	0.0#
141	42.9	0.0	0.0#

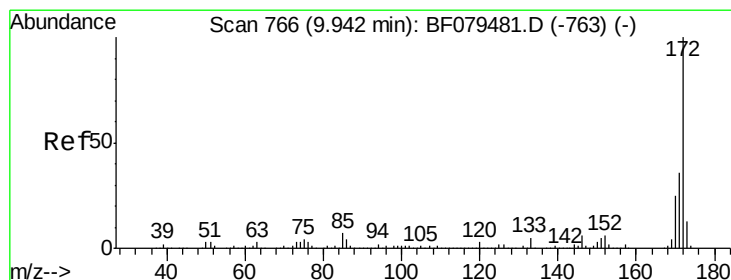
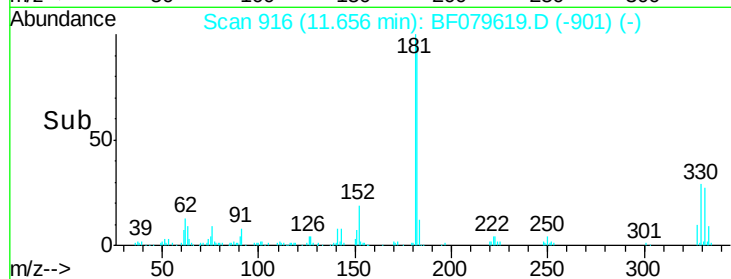
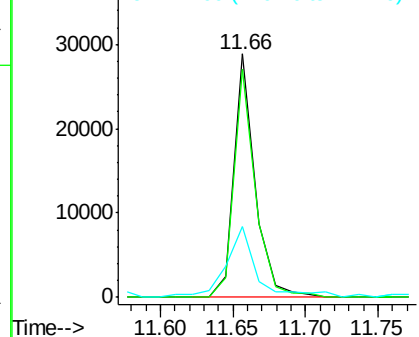


Abundance

Ion 329.80 (329.50 to 330.50): E

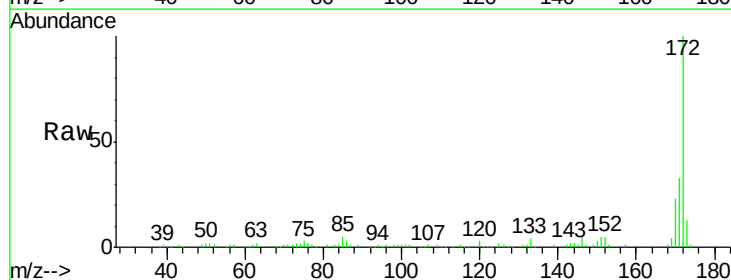
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 13.98 ng
 RT: 9.86 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF079619.D
 Acq: 30 May 2015 23:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.1	28.5	42.7
170	23.3	19.7	29.5

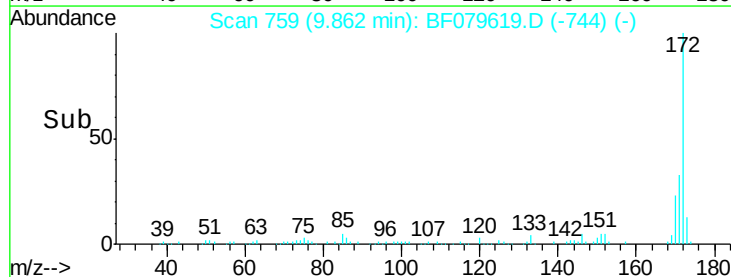
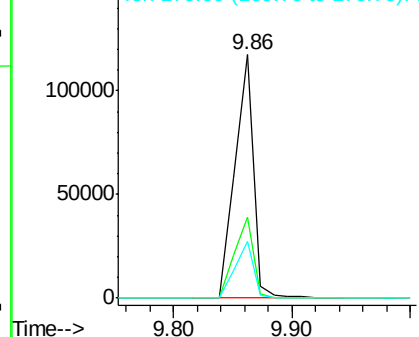


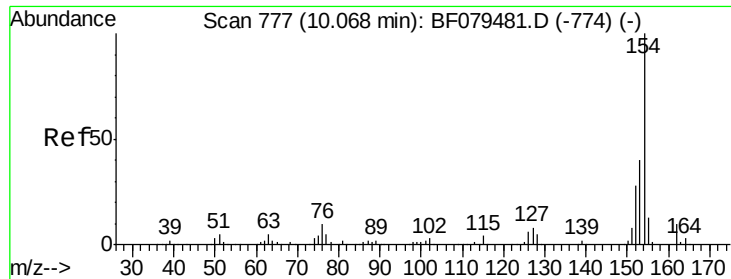
Abundance

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

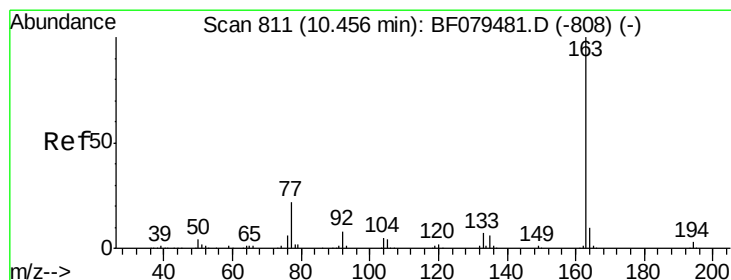
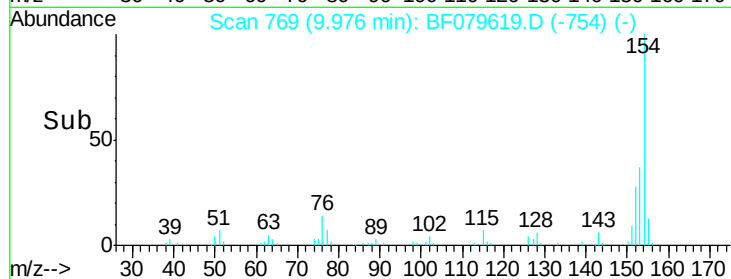
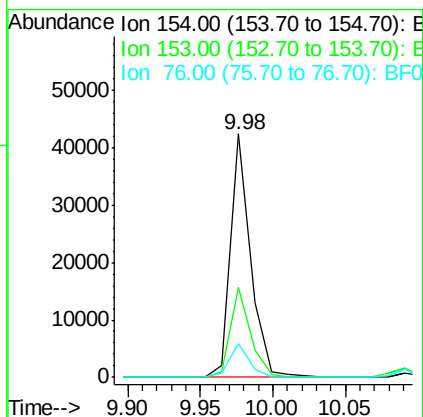
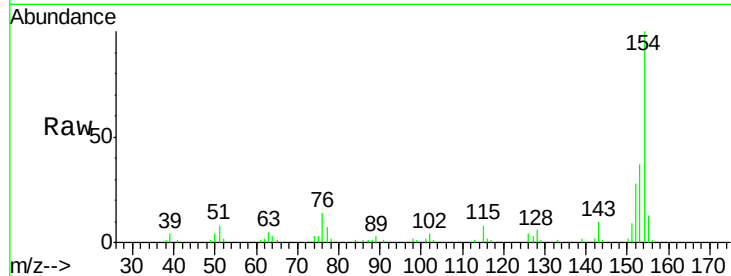




#45
 1,1'-Biphenyl
 Concen: 4.02 ng
 RT: 9.98 min Scan# 769
 Delta R.T. -0.03 min
 Lab File: BF079619.D
 Acq: 30 May 2015 23:04

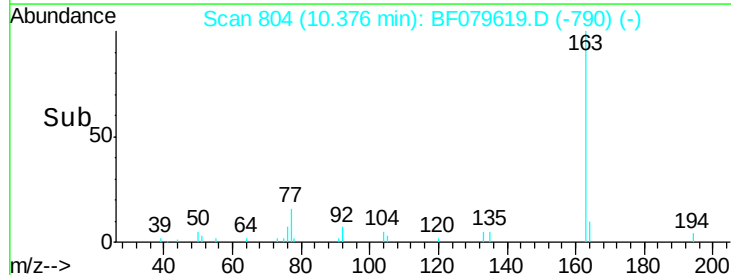
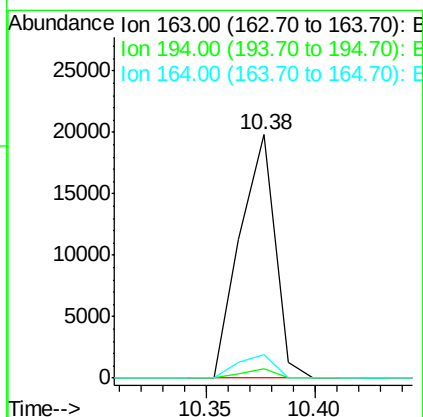
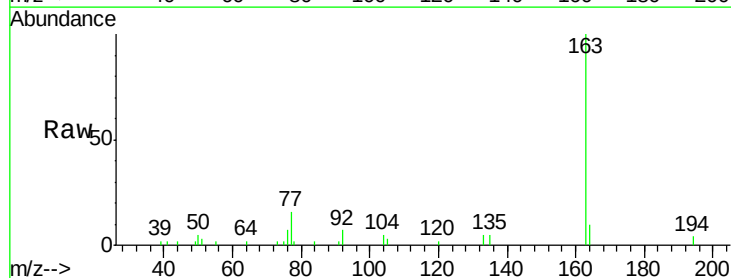
Instrument :
 BNA_F
 ClientSampleId :
 RAMPTP-440SB2.1(4)

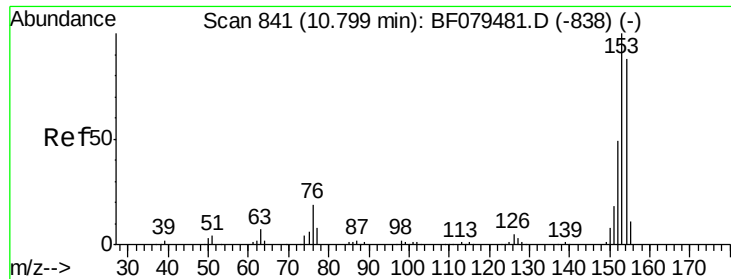
Tgt Ion:154 Resp: 40508
 Ion Ratio Lower Upper
 154 100
 153 37.0 19.5 59.5
 76 14.1 0.0 29.6



#49
 Dimethylphthalate
 Concen: 2.34 ng
 RT: 10.38 min Scan# 804
 Delta R.T. -0.03 min
 Lab File: BF079619.D
 Acq: 30 May 2015 23:04

Tgt Ion:163 Resp: 22226
 Ion Ratio Lower Upper
 163 100
 194 3.7 2.4 3.6#
 164 9.8 8.2 12.4





#51

Acenaphthene

Concen: 34.23 ng

RT: 10.72 min Scan# 834

Delta R.T. -0.02 min

Lab File: BF079619.D

Acq: 30 May 2015 23:04

Instrument :

BNA_F

ClientSampleId :

RAMPTP-440SB2.1(4)

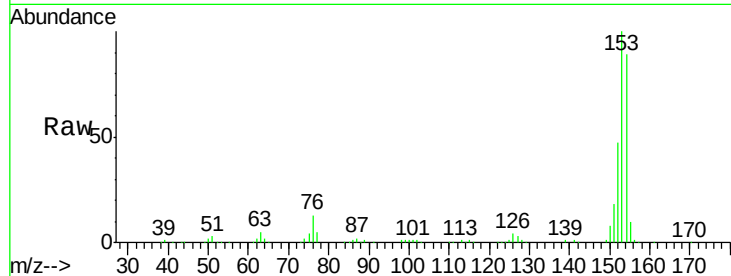
Tgt Ion:154 Resp: 258858

Ion Ratio Lower Upper

154 100

153 113.0 91.1 136.7

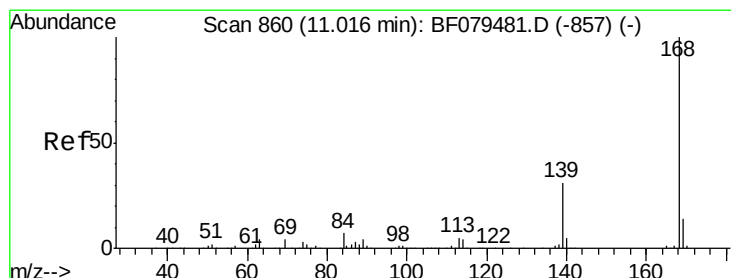
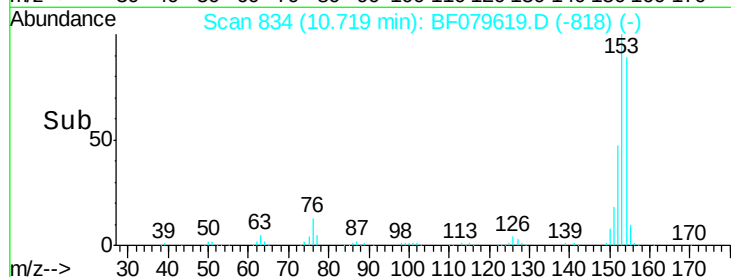
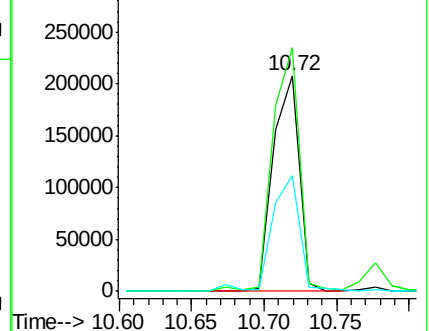
152 53.5 44.6 66.8



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: 32.42 ng

RT: 10.94 min Scan# 853

Delta R.T. -0.02 min

Lab File: BF079619.D

Acq: 30 May 2015 23:04

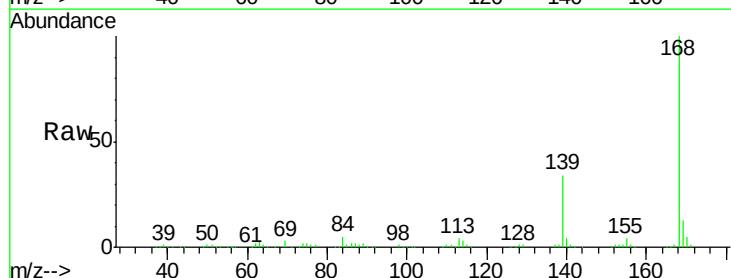
Tgt Ion:168 Resp: 361538

Ion Ratio Lower Upper

168 100

139 34.2 32.9 49.3

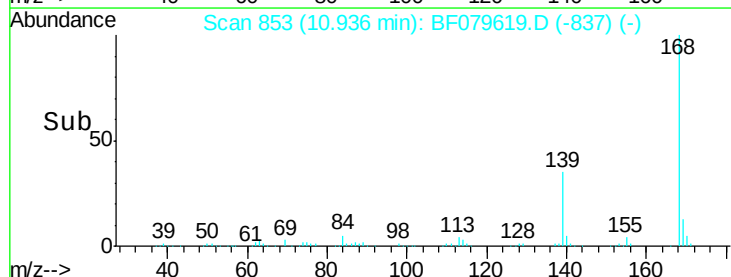
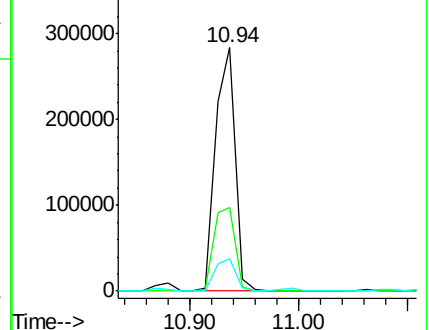
169 13.4 11.1 16.7

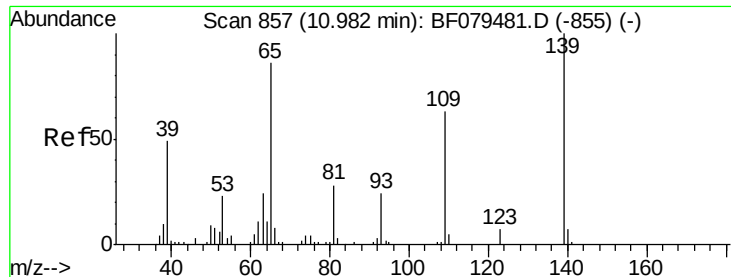


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 98.61 ng

RT: 10.94 min Scan# 853

Delta R.T. 0.01 min

Lab File: BF079619.D

Acq: 30 May 2015 23:04

Instrument :

BNA_F

ClientSampleId :

RAMPTP-440SB2.1(4)

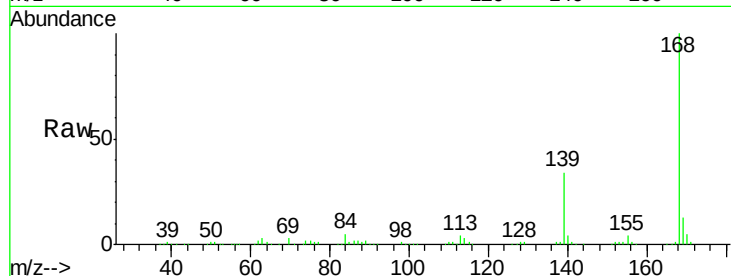
Tgt Ion:139 Resp: 135222

Ion Ratio Lower Upper

139 100

109 0.8 42.8 82.8#

65 1.1 66.3 106.3#

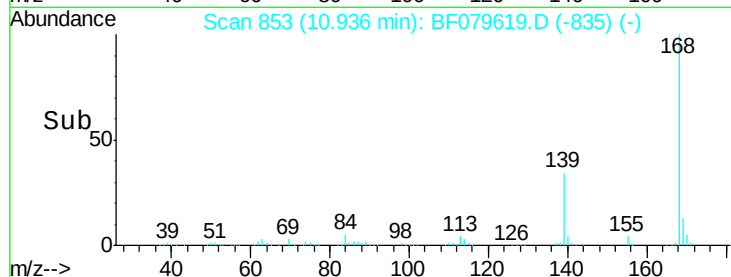


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

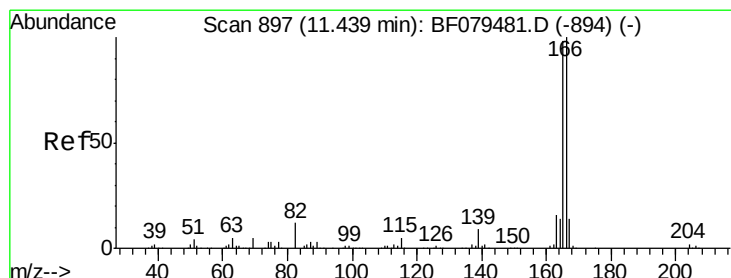
Ion 65.00 (64.70 to 65.70): E

Time-->



10.94

Time-->



#57

Fluorene

Concen: 51.22 ng

RT: 11.36 min Scan# 890

Delta R.T. -0.02 min

Lab File: BF079619.D

Acq: 30 May 2015 23:04

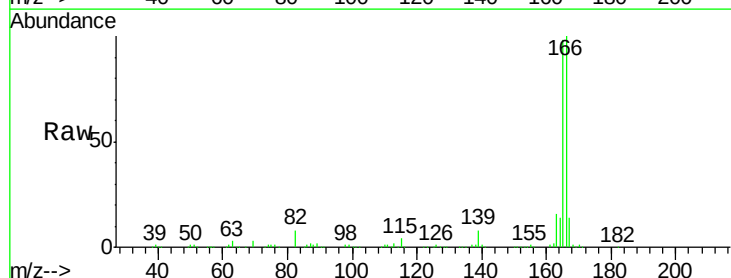
Tgt Ion:166 Resp: 470801

Ion Ratio Lower Upper

166 100

165 97.7 78.6 117.8

167 13.8 10.8 16.2

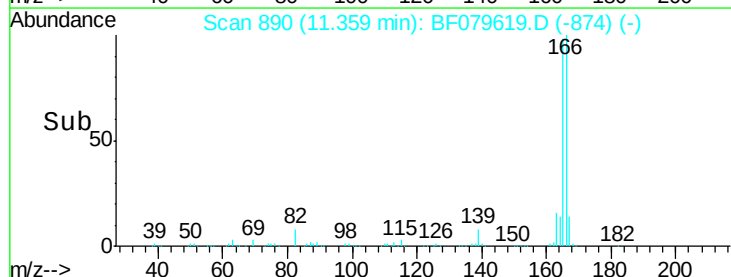


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

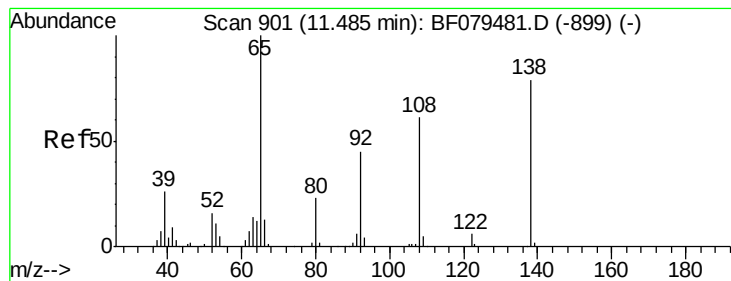
Ion 167.00 (166.70 to 167.70): E

Time-->



11.36

Time-->



#61

4-Nitroaniline

Concen: 2.12 ng

RT: 11.36 min Scan# 890

Delta R.T. -0.08 min

Lab File: BF079619.D

Acq: 30 May 2015 23:04

Instrument :

BNA_F

ClientSampleId :

RAMPTP-440SB2.1(4)

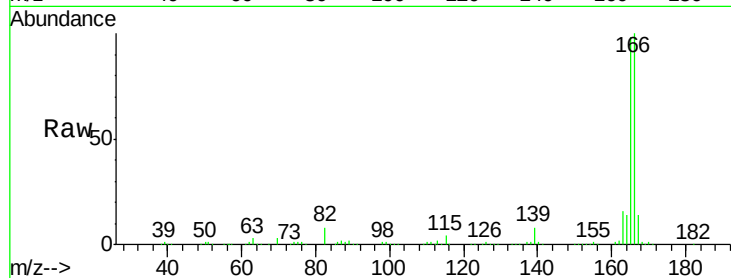
Tgt Ion:138 Resp: 4888

Ion Ratio Lower Upper

138 100

92 0.0 37.2 77.2#

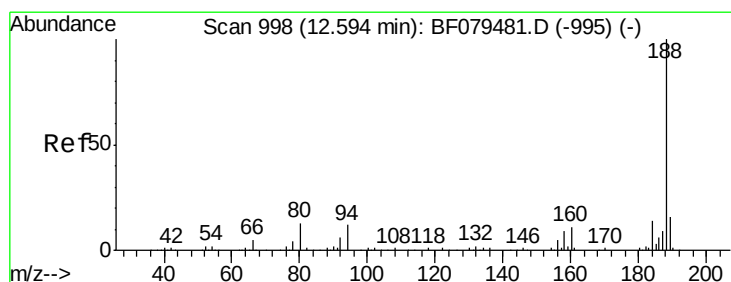
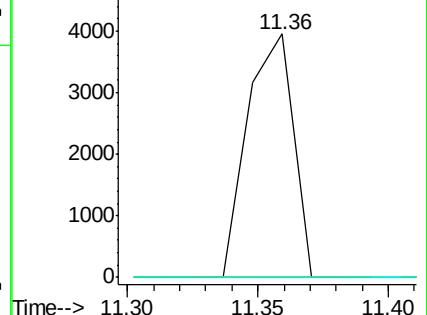
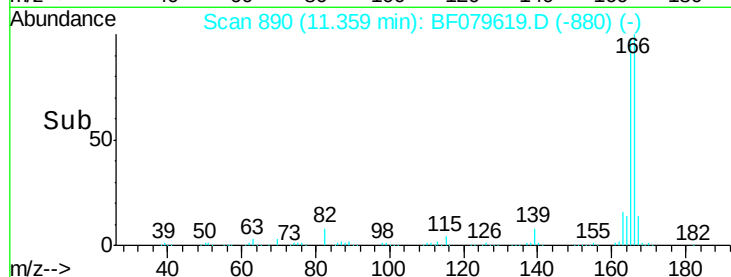
108 0.0 57.0 97.0#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.51 min Scan# 991

Delta R.T. -0.02 min

Lab File: BF079619.D

Acq: 30 May 2015 23:04

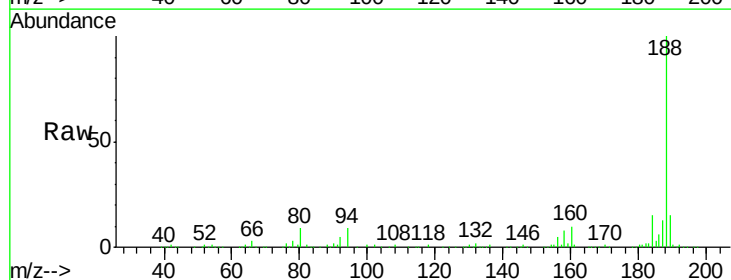
Tgt Ion:188 Resp: 238863

Ion Ratio Lower Upper

188 100

94 9.3 9.8 14.6#

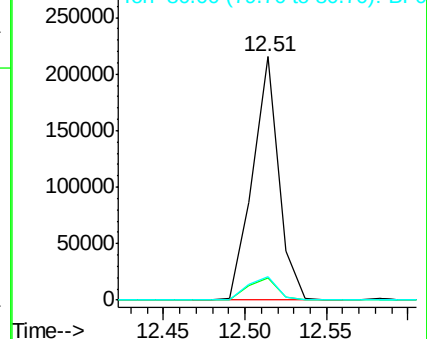
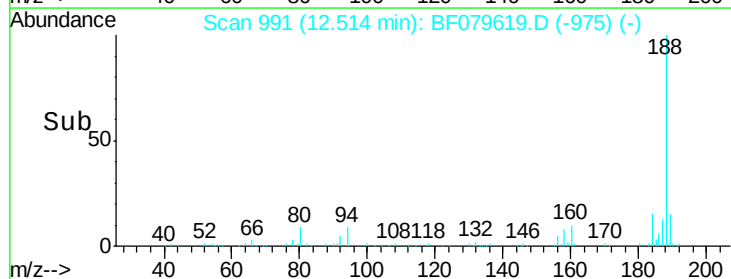
80 9.5 10.5 15.7#

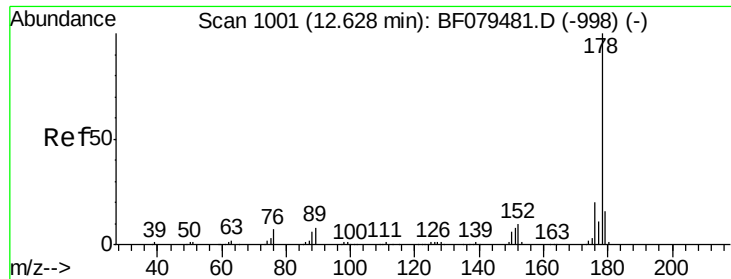


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

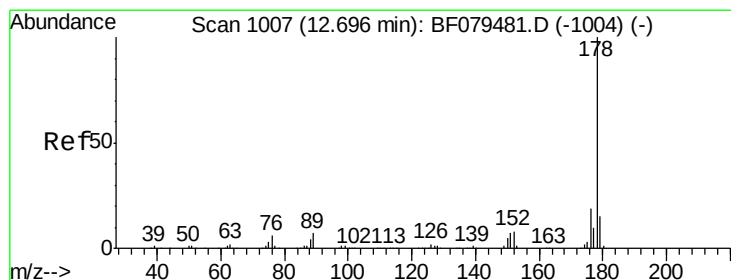
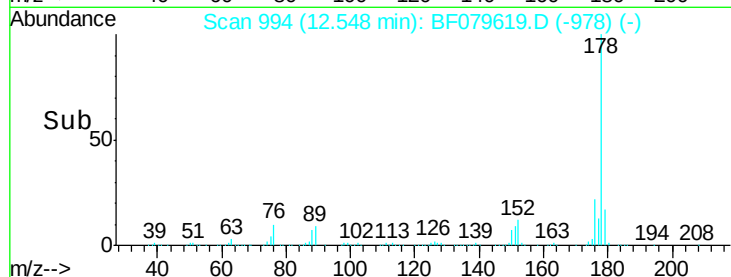
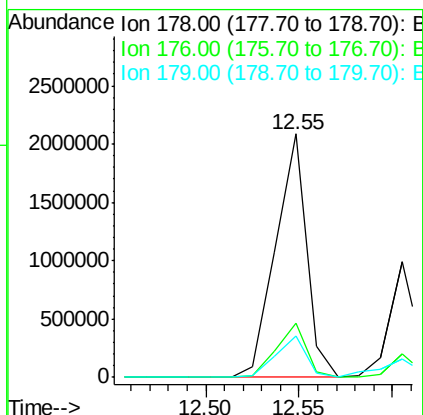
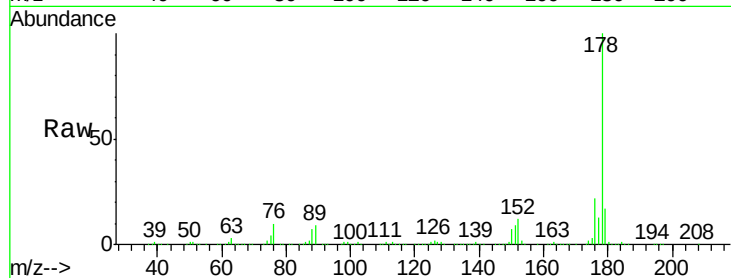




#70
 Phenanthrene
 Concen: 184.76 ng
 RT: 12.55 min Scan# 994
 Delta R.T. -0.02 min
 Lab File: BF079619.D
 Acq: 30 May 2015 23:04

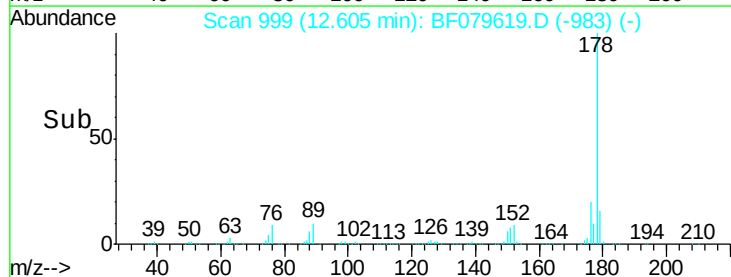
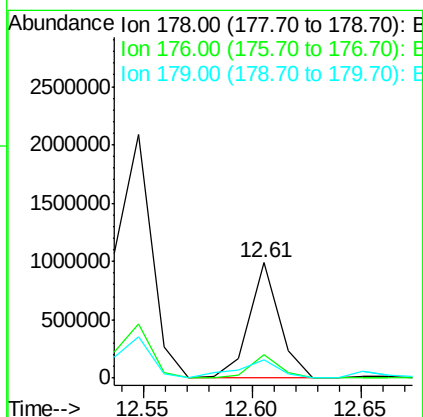
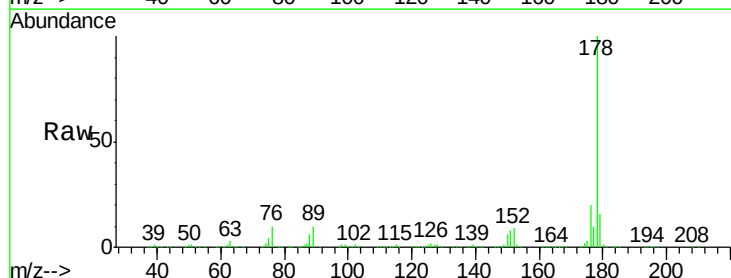
Instrument :
 BNA_F
 ClientSampleId :
 RAMPTP-440SB2.1(4)

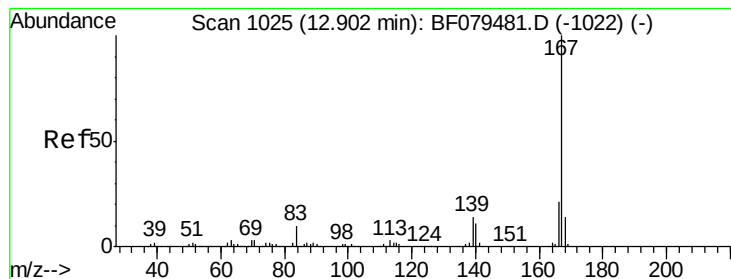
Tgt Ion:178 Resp: 2421154
 Ion Ratio Lower Upper
 178 100
 176 22.1 15.7 23.5
 179 17.2 12.4 18.6



#71
 Anthracene
 Concen: 71.96 ng
 RT: 12.61 min Scan# 999
 Delta R.T. -0.02 min
 Lab File: BF079619.D
 Acq: 30 May 2015 23:04

Tgt Ion:178 Resp: 957312
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.3 22.9
 179 16.4 12.2 18.4





#72

Carbazole

Concen: 35.51 ng

RT: 12.82 min Scan# 1018

Delta R.T. -0.02 min

Lab File: BF079619.D

Acq: 30 May 2015 23:04

Instrument :

BNA_F

ClientSampleId :

RAMPTP-440SB2.1(4)

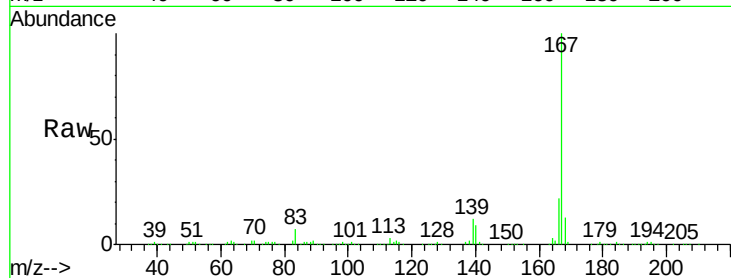
Tgt Ion:167 Resp: 454876

Ion Ratio Lower Upper

167 100

166 21.8 17.0 25.4

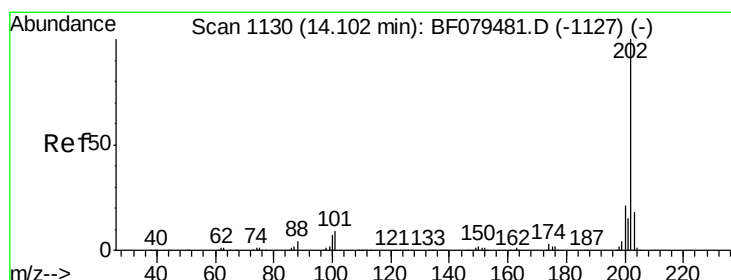
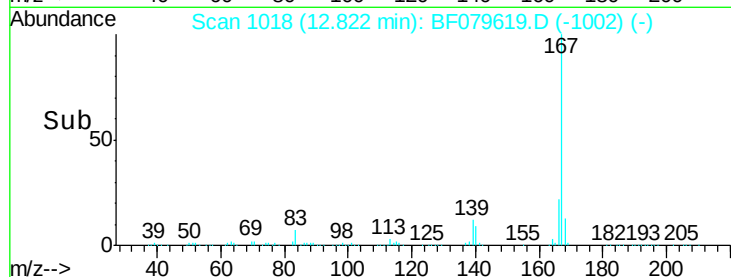
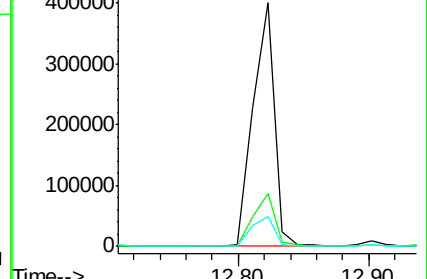
139 12.4 11.2 16.8



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: 168.97 ng

RT: 14.02 min Scan# 1123

Delta R.T. -0.01 min

Lab File: BF079619.D

Acq: 30 May 2015 23:04

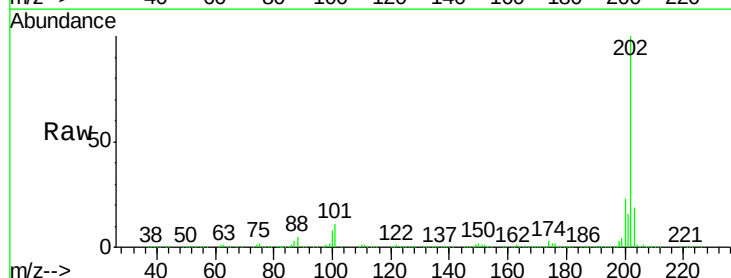
Tgt Ion:202 Resp: 2374465

Ion Ratio Lower Upper

202 100

101 10.9 0.0 29.3

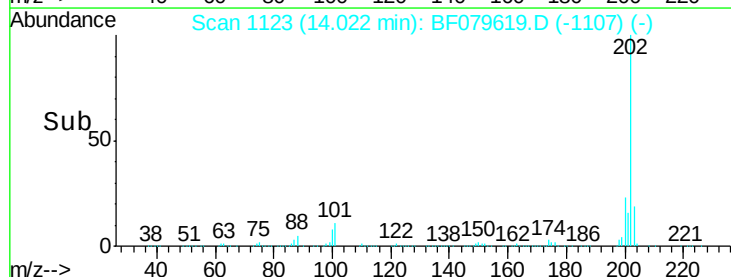
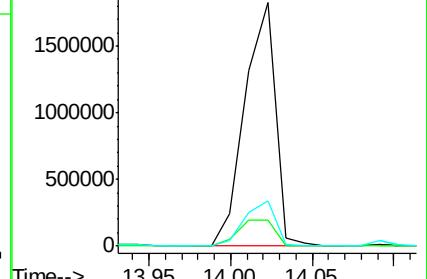
203 18.8 0.0 37.6

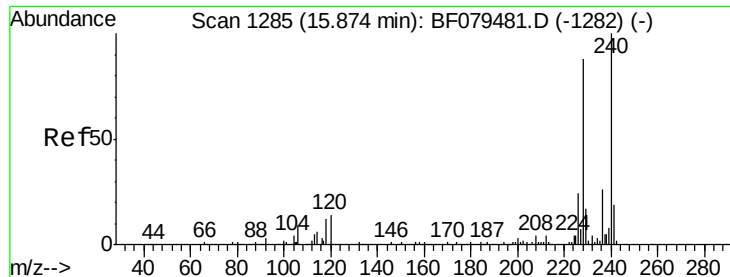


Abundance Ion 202.00 (201.70 to 202.70): E

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: 15.78 min Scan# 1277

Delta R.T. -0.06 min

Lab File: BF079619.D

Acq: 30 May 2015 23:04

Instrument :

BNA_F

ClientSampleId :

RAMP-TP-440SB2.1(4)

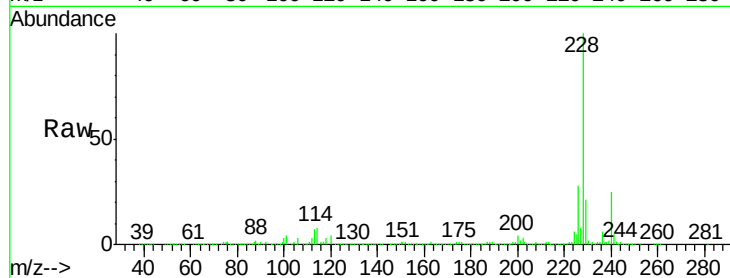
Tgt Ion:240 Resp: 247093

Ion Ratio Lower Upper

240 100

120 17.1 10.8 16.2#

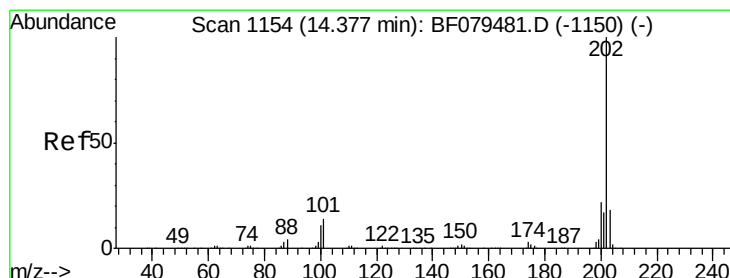
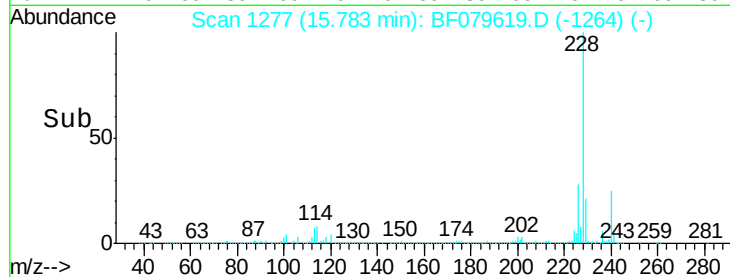
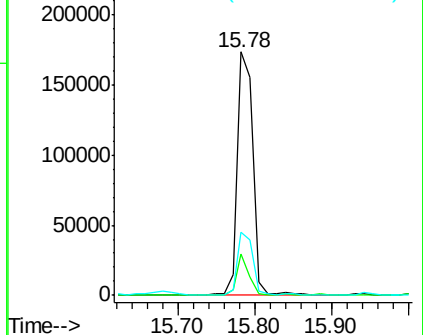
236 25.8 21.0 31.6



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: 125.29 ng

RT: 14.30 min Scan# 1147

Delta R.T. -0.02 min

Lab File: BF079619.D

Acq: 30 May 2015 23:04

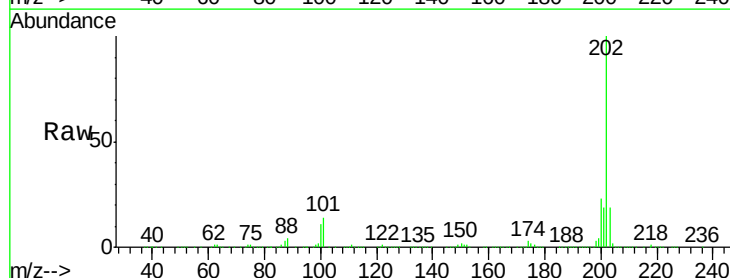
Tgt Ion:202 Resp: 1917992

Ion Ratio Lower Upper

202 100

200 23.2 17.5 26.3

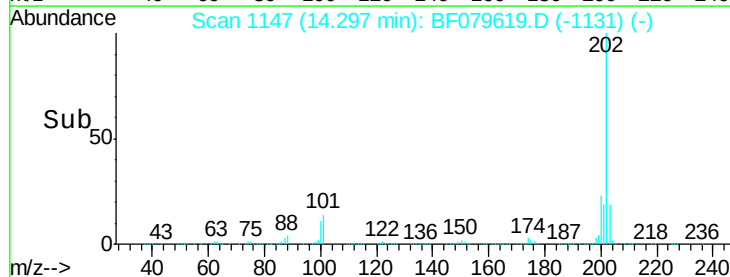
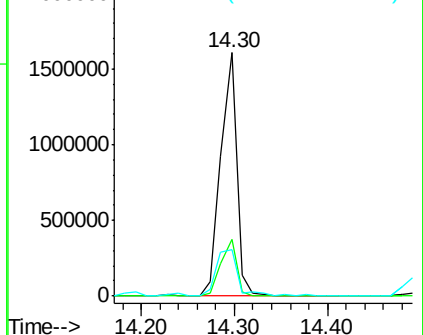
203 19.1 14.4 21.6

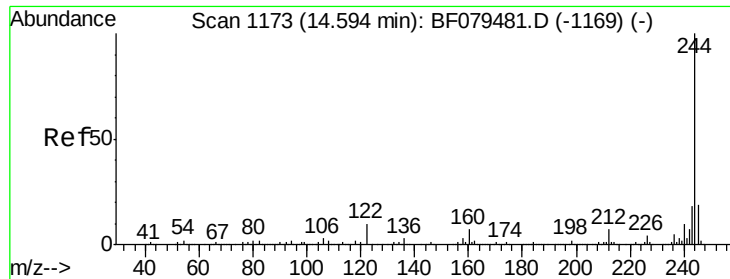


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 14.64 ng

RT: 14.50 min Scan# 1165

Delta R.T. -0.03 min

Lab File: BF079619.D

Acq: 30 May 2015 23:04

Instrument :

BNA_F

ClientSampleId :

RAMPTP-440SB2.1(4)

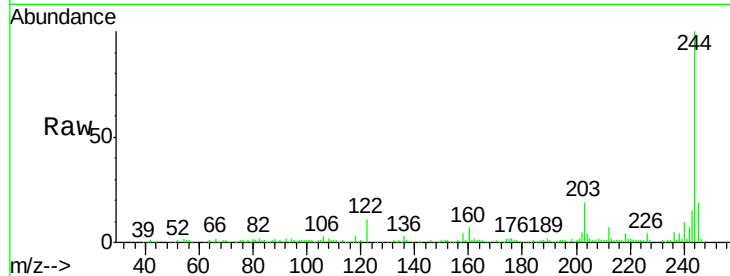
Tgt Ion:244 Resp: 154191

Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

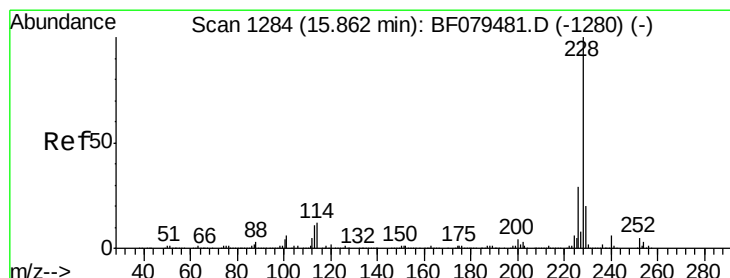
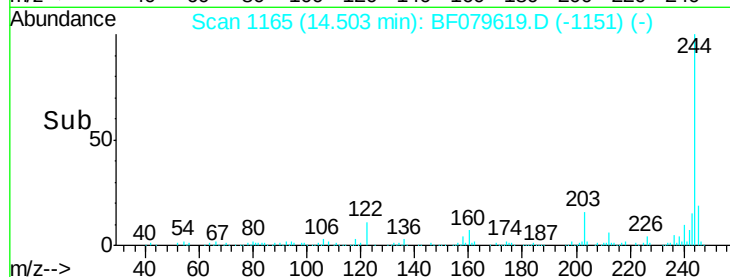
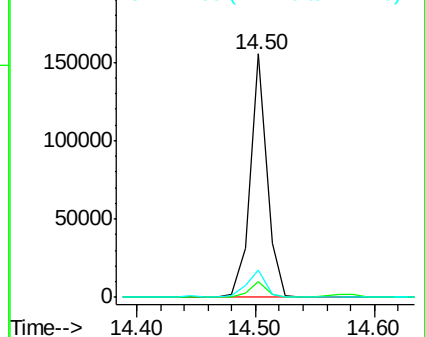
122 11.1 8.0 12.0



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: 79.85 ng

RT: 15.78 min Scan# 1277

Delta R.T. -0.05 min

Lab File: BF079619.D

Acq: 30 May 2015 23:04

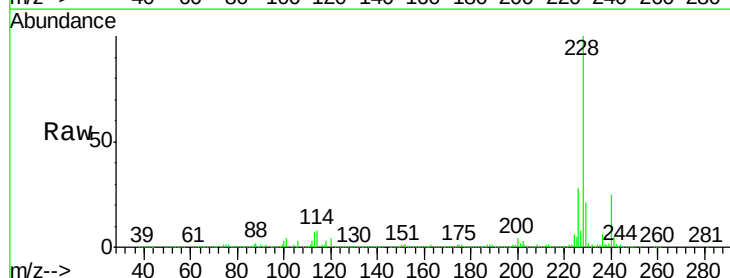
Tgt Ion:228 Resp: 1134957

Ion Ratio Lower Upper

228 100

226 28.4 22.8 34.2

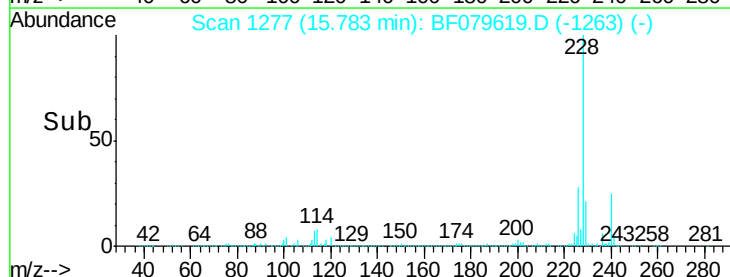
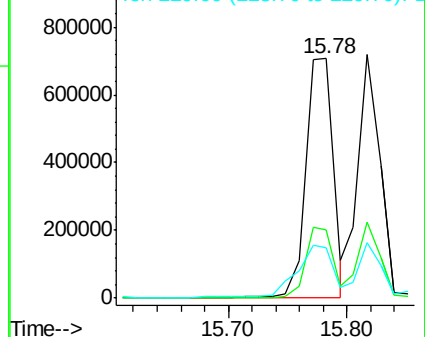
229 21.0 15.9 23.9

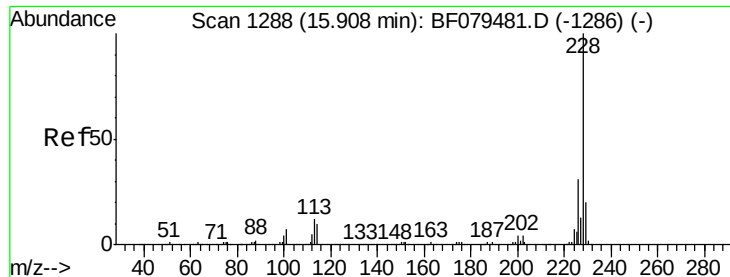


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 68.01 ng

RT: 15.82 min Scan# 1280

Delta R.T. -0.06 min

Lab File: BF079619.D

Acq: 30 May 2015 23:04

Instrument :

BNA_F

ClientSampleId :

RAMP-TP-440SB2.1(4)

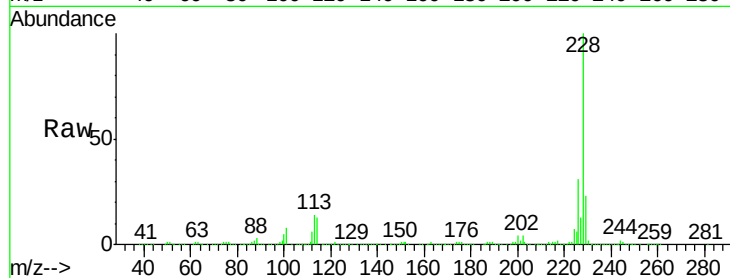
Tgt Ion: 228 Resp: 918830

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.4

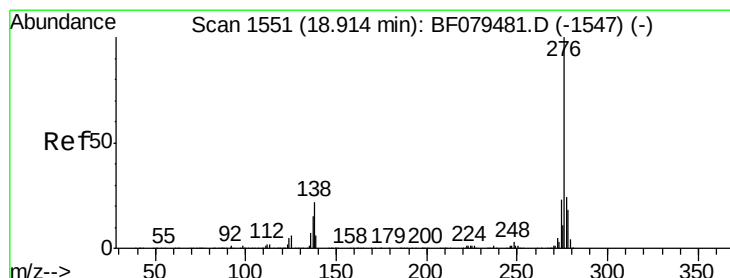
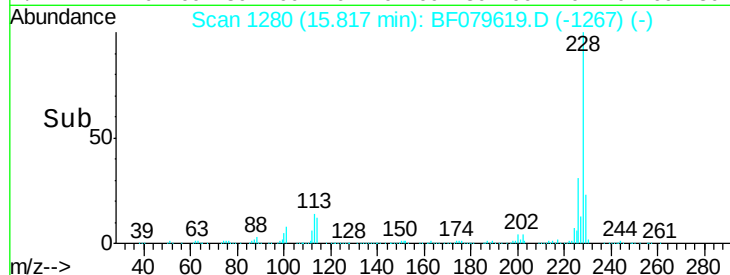
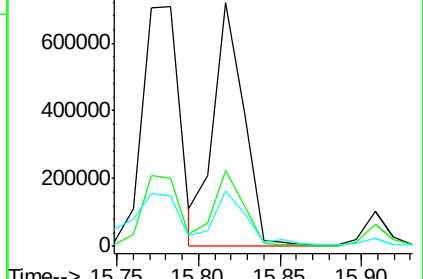
229 22.9 15.9 23.9



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 22.16 ng

RT: 19.07 min Scan# 1565

Delta R.T. 0.06 min

Lab File: BF079619.D

Acq: 30 May 2015 23:04

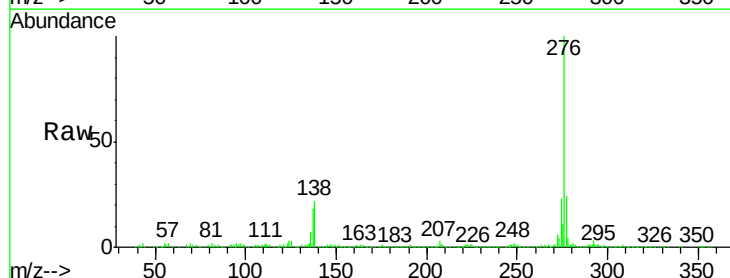
Tgt Ion: 276 Resp: 385134

Ion Ratio Lower Upper

276 100

138 23.1 21.4 32.2

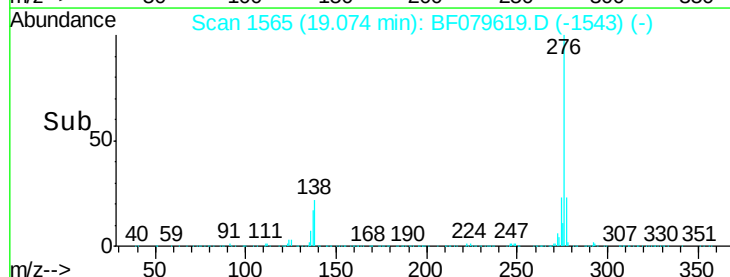
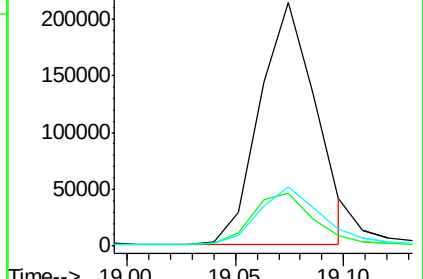
277 24.9 19.8 29.6

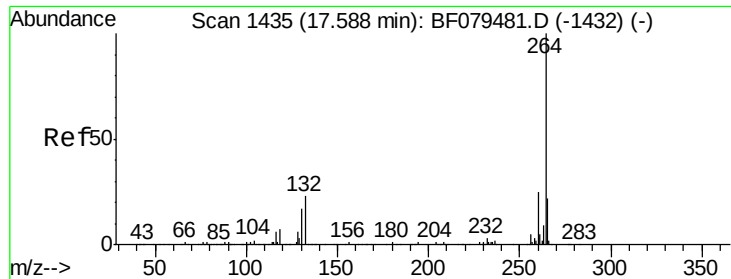


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

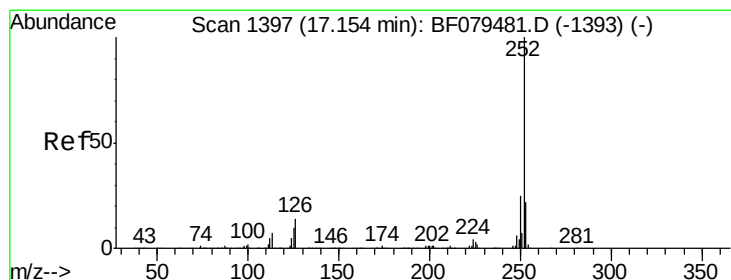
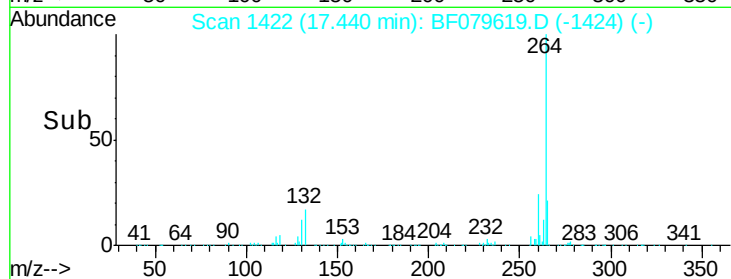
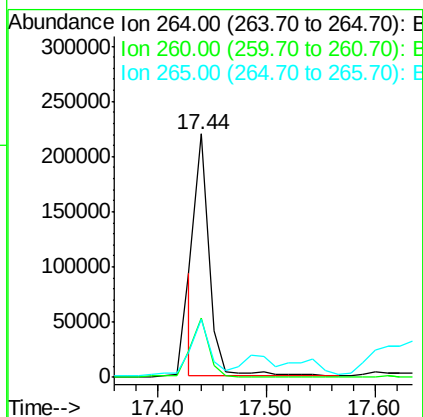
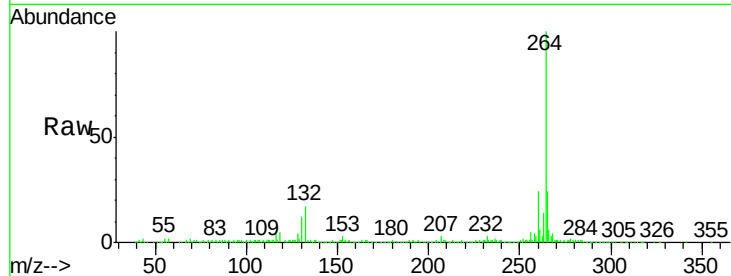




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.44 min Scan# 1422
Delta R.T. -0.23 min
Lab File: BF079619.D
Acq: 30 May 2015 23:04

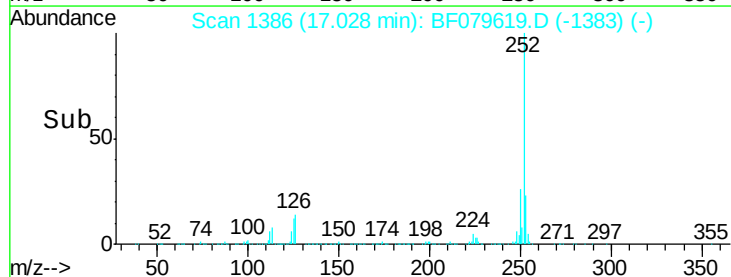
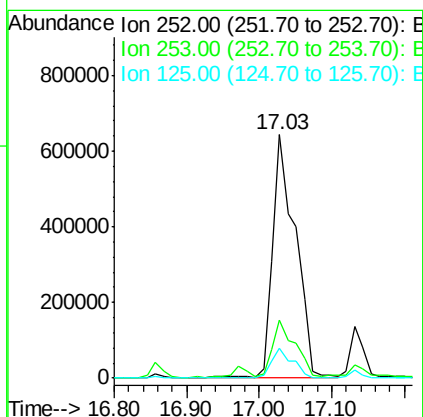
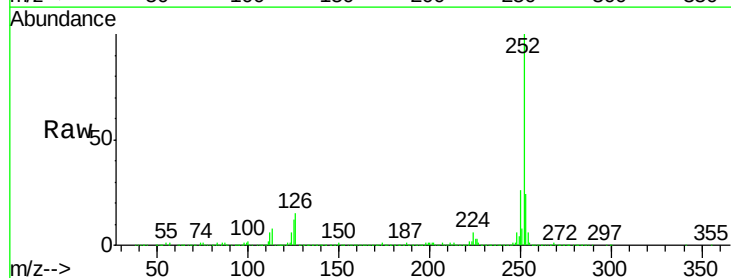
Instrument :
BNA_F
ClientSampleId :
RAMPTP-440SB2.1(4)

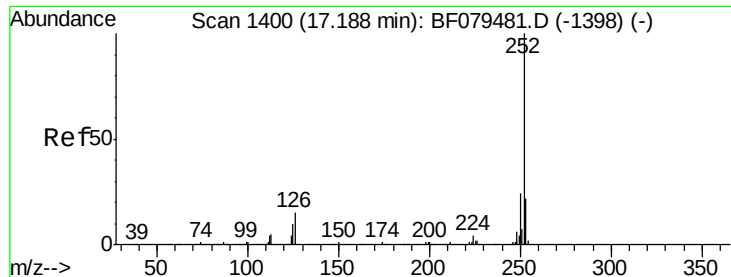
Tgt Ion: 264 Resp: 193827
Ion Ratio Lower Upper
264 100
260 24.4 19.8 29.8
265 23.8 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 127.38 ng
RT: 17.03 min Scan# 1386
Delta R.T. -0.17 min
Lab File: BF079619.D
Acq: 30 May 2015 23:04

Tgt Ion: 252 Resp: 1408142
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 12.1 7.8 11.6#





#88

Benzo(k)fluoranthene

Concen: 142.44 ng

RT: 17.03 min Scan# 1386

Delta R.T. -0.21 min

Lab File: BF079619.D

Acq: 30 May 2015 23:04

Instrument :

BNA_F

ClientSampleId :

RAMPTP-440SB2.1(4)

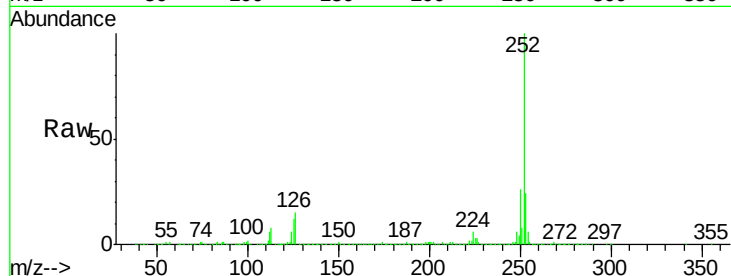
Tgt Ion:252 Resp: 1408142

Ion Ratio Lower Upper

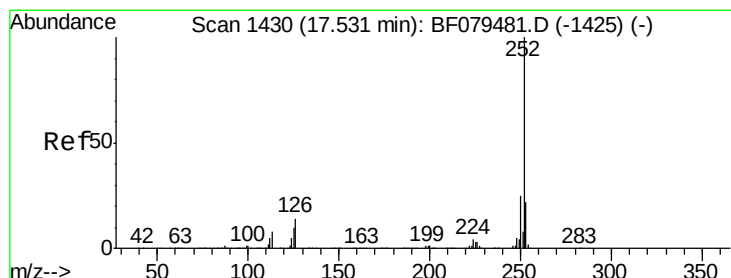
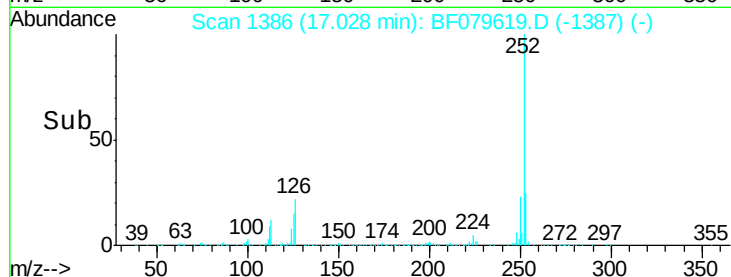
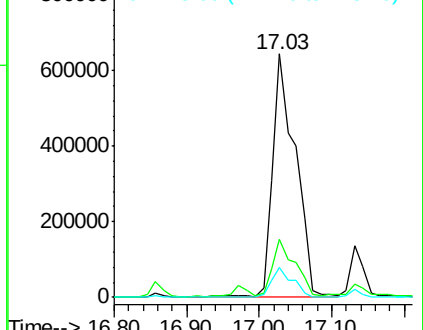
252 100

253 23.8 17.2 25.8

125 12.1 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: 77.44 ng

RT: 17.38 min Scan# 1417

Delta R.T. -0.23 min

Lab File: BF079619.D

Acq: 30 May 2015 23:04

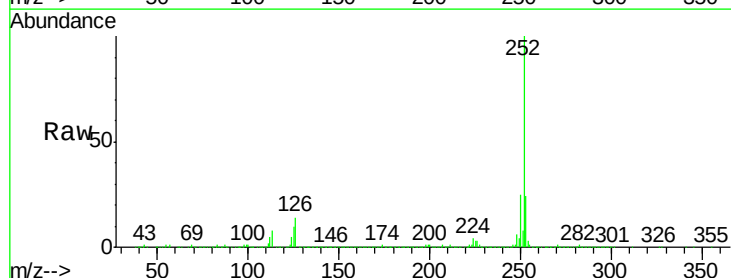
Tgt Ion:252 Resp: 737268

Ion Ratio Lower Upper

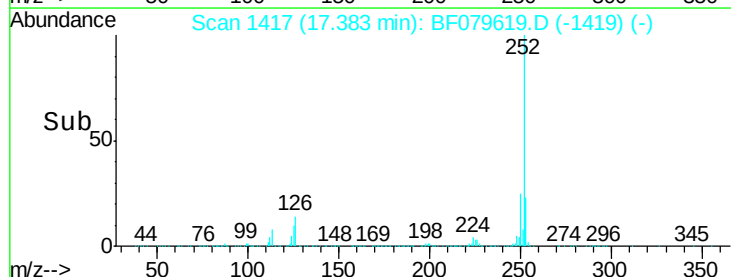
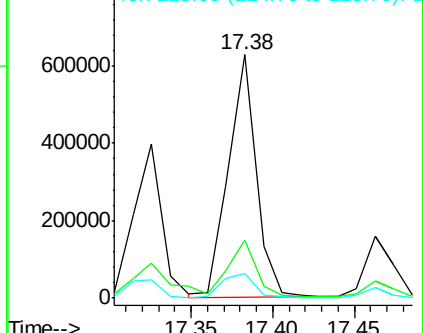
252 100

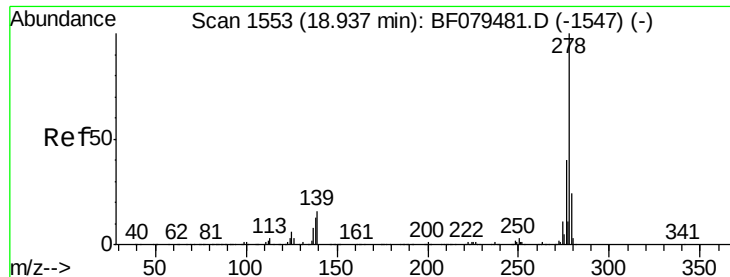
253 23.8 17.8 26.8

125 10.1 7.9 11.9



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





#90

Dibenzo(a,h)anthracene

Concen: 12.64 ng

RT: 18.71 min Scan# 1533

Delta R.T. -0.33 min

Lab File: BF079619.D

Acq: 30 May 2015 23:04

Instrument :

BNA_F

ClientSampleId :

RAMP-TP-440SB2.1(4)

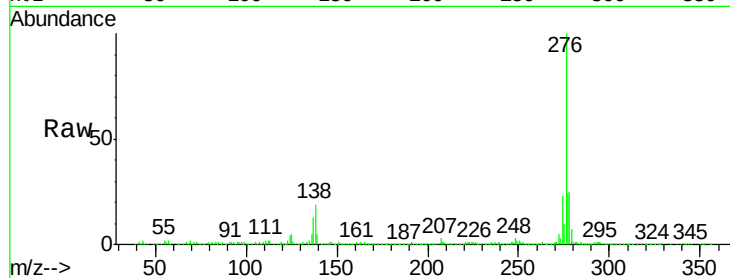
Tgt Ion: 278 Resp: 139235

Ion Ratio Lower Upper

278 100

139 19.1 12.8 19.2

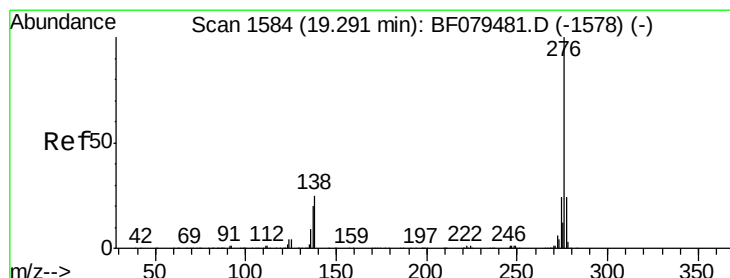
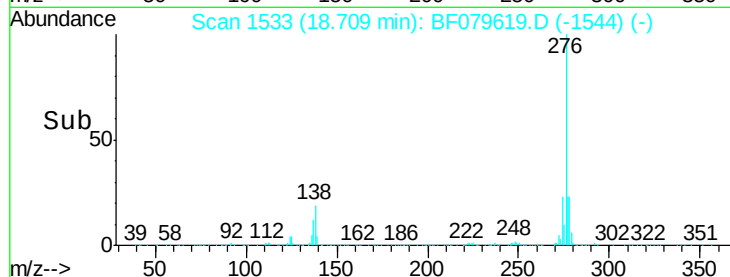
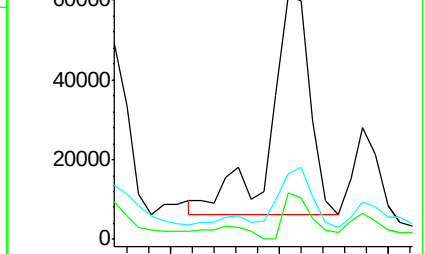
279 27.1 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 39.80 ng

RT: 19.07 min Scan# 1565

Delta R.T. -0.33 min

Lab File: BF079619.D

Acq: 30 May 2015 23:04

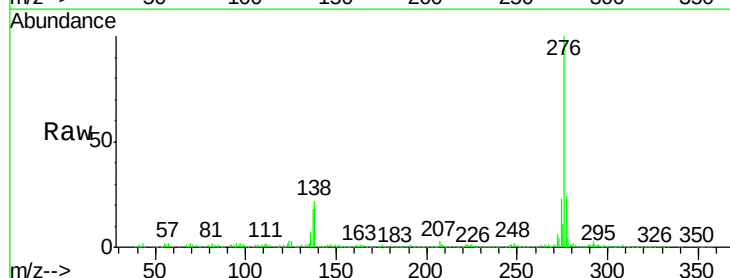
Tgt Ion: 276 Resp: 402312

Ion Ratio Lower Upper

276 100

277 24.2 19.1 28.7

138 22.0 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

