

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
 Data File : BF079606.D
 Acq On : 30 May 2015 16:47
 Operator : TP/IZ
 Sample : G2416-28
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IA14.1(2)

Quant Time: May 31 05:46:14 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

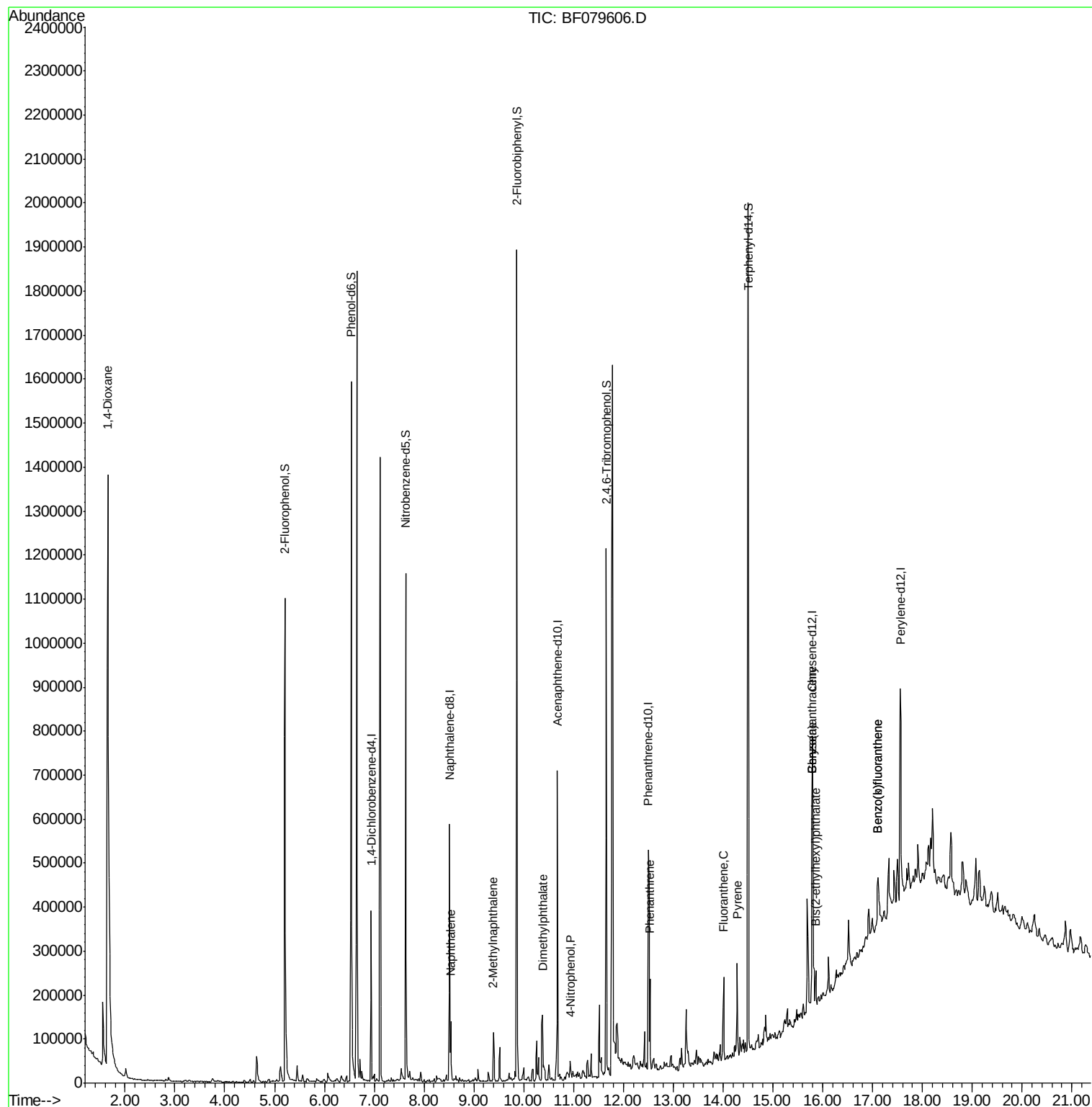
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	72004	20.00	ng	-0.02
21) Naphthalene-d8	8.51	136	293728	20.00	ng	-0.02
38) Acenaphthene-d10	10.67	164	139937	20.00	ng	-0.03
63) Phenanthrene-d10	12.50	188	257063	20.00	ng	-0.03
75) Chrysene-d12	15.79	240	270600	20.00	ng	-0.05
86) Perylene-d12	17.55	264	268798	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	515272	124.12	ng	-0.02
7) Phenol-d6	6.54	99	675209	127.61	ng	-0.02
23) Nitrobenzene-d5	7.63	82	377337	74.26	ng	-0.03
41) 2,4,6-Tribromophenol	11.66	330	178598	116.20	ng	-0.03
44) 2-Fluorobiphenyl	9.86	172	695910	70.95	ng	-0.02
78) Terphenyl-d14	14.50	244	697038	60.45	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	1.66	88	72227	36.57	ng	# 100
9) Benzaldehyde	6.40	77	879	Below Cal		# 73
31) Naphthalene	8.54	128	52834	3.75	ng	98
37) 2-Methylnaphthalene	9.39	142	36736	3.75	ng	97
49) Dimethylphthalate	10.38	163	87737	8.51	ng	99
55) 4-Nitrophenol	10.94	139	5520	3.72	ng	# 12
70) Phenanthrene	12.54	178	77448	5.49	ng	100
73) Di-n-butylphthalate	13.28	149	4650	Below Cal		# 78
74) Fluoranthene	14.01	202	99718	6.59	ng	98
77) Pyrene	14.29	202	87725	5.23	ng	97
80) Benzo(a)anthracene	15.78	228	51336	3.30	ng	94
82) Chrysene	15.78	228	51336	3.47	ng	98
83) Bis(2-ethylhexyl)phthalate	15.86	149	25141	2.33	ng	# 95
87) Benzo(b)fluoranthene	17.11	252	89611	5.85	ng	# 93
88) Benzo(k)fluoranthene	17.11	252	89611	6.54	ng	# 91
90) Dibenzo(a,h)anthracene	18.89	278	10066	Below Cal		# 53
91) Benzo(g,h,i)perylene	19.25	276	34133	Below Cal		92

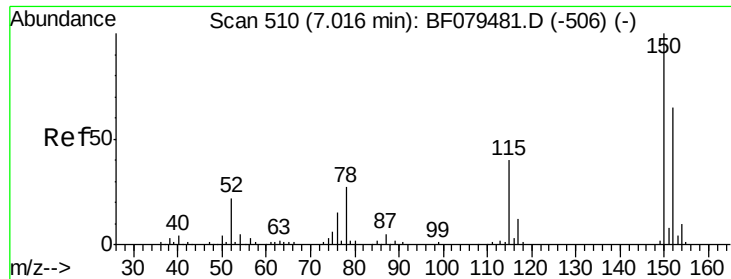
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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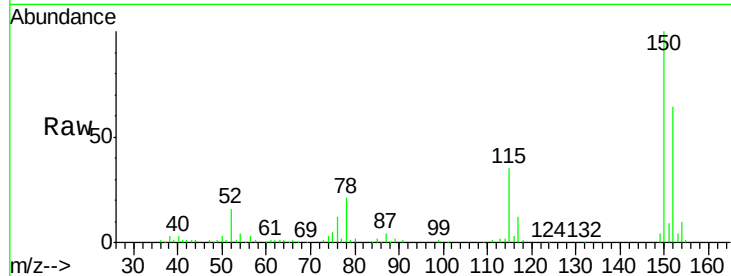


#1

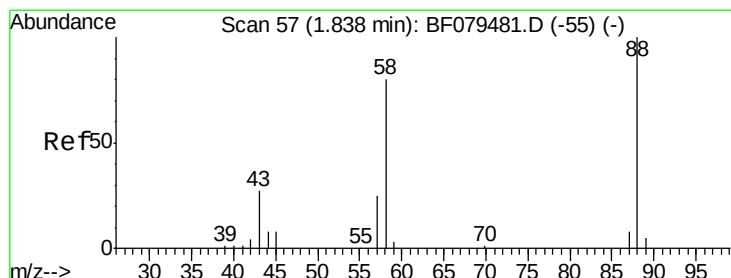
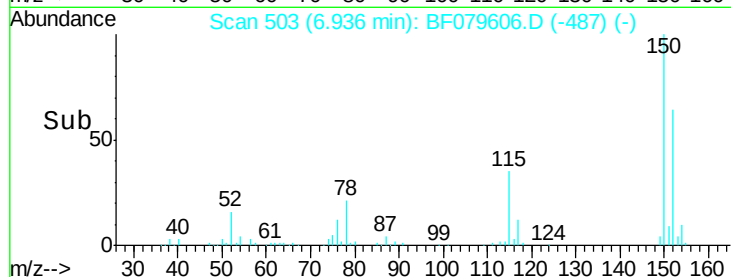
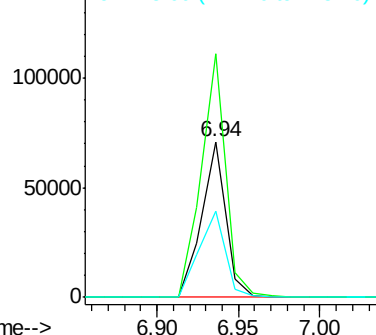
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 503
Delta R.T. -0.02 min
Lab File: BF079606.D
Acq: 30 May 2015 16:47

Instrument :
BNA_F
ClientSampled :
IA14.1(2)

Tgt Ion:152 Resp: 72004
Ion Ratio Lower Upper
152 100
150 156.3 124.0 186.0
115 54.9 49.6 74.4



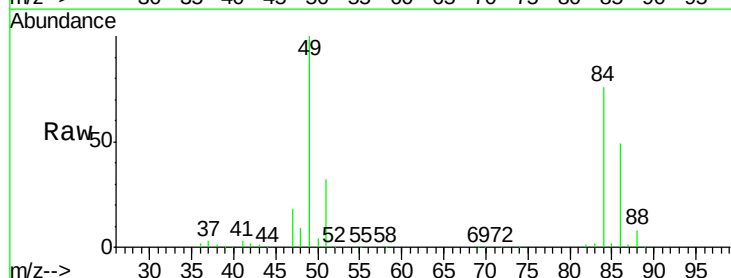
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



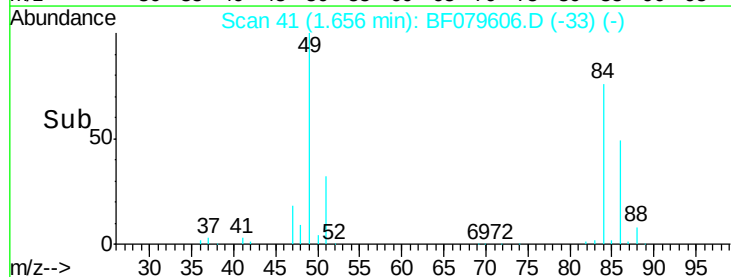
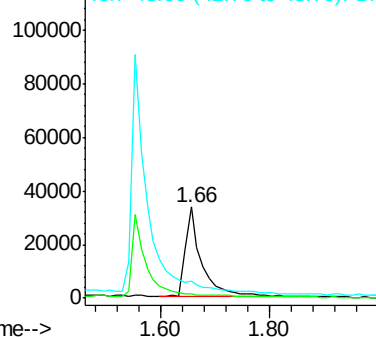
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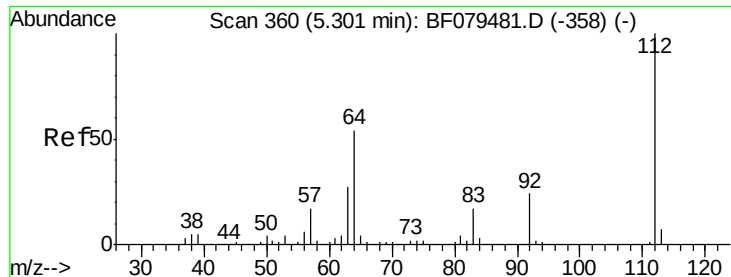
1,4-Dioxane
Concen: 36.57 ng
RT: 1.66 min Scan# 41
Delta R.T. -0.11 min
Lab File: BF079606.D
Acq: 30 May 2015 16:47

Tgt Ion: 88 Resp: 72227
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

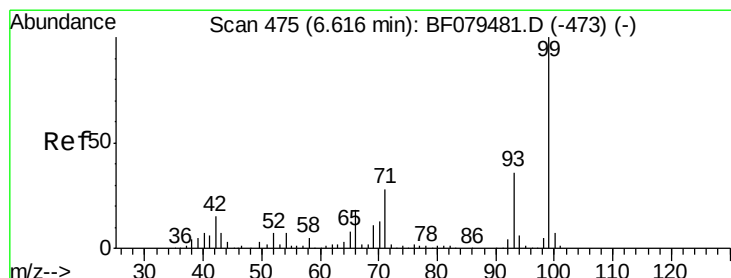
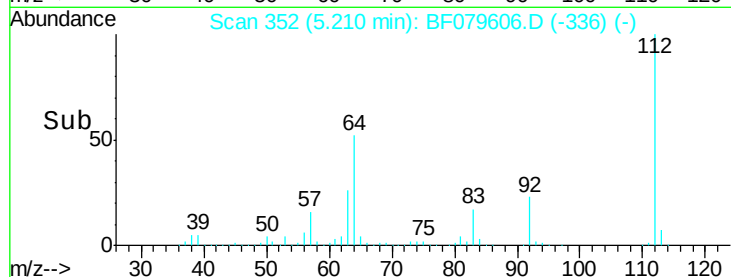
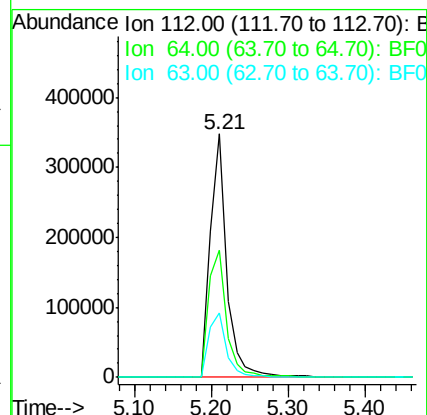
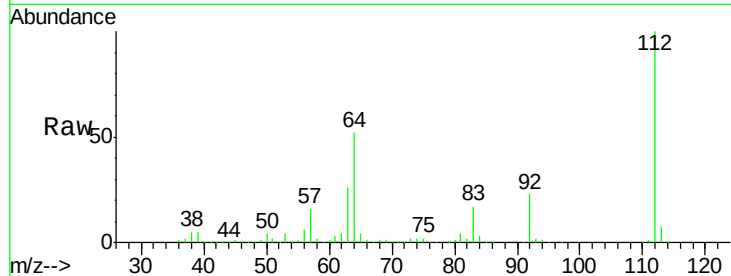




#5
 2-Fluorophenol
 Concen: 124.12 ng
 RT: 5.21 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: BF079606.D
 Acq: 30 May 2015 16:47

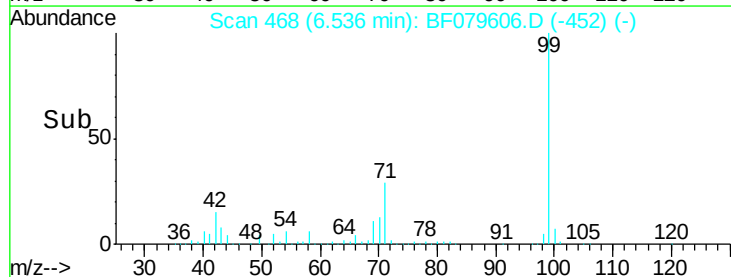
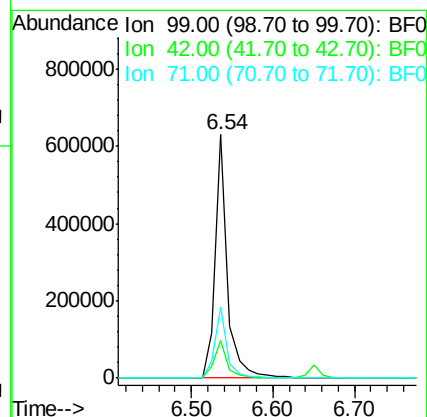
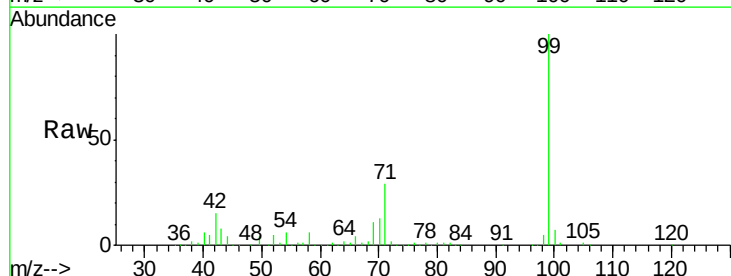
Instrument :
 BNA_F
 ClientSampleId :
 IA14.1(2)

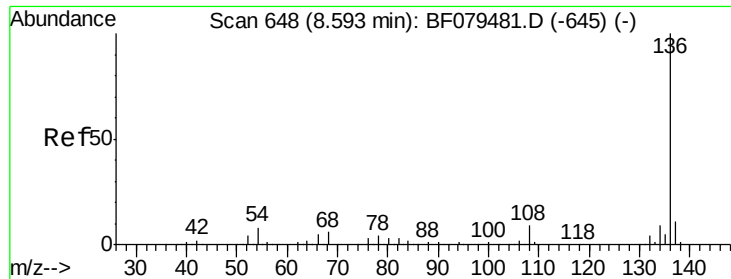
Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.4	43.5	65.3
63	26.4	21.8	32.8



#7
 Phenol-d6
 Concen: 127.61 ng
 RT: 6.54 min Scan# 468
 Delta R.T. -0.02 min
 Lab File: BF079606.D
 Acq: 30 May 2015 16:47

Tgt Ion	Ratio	Lower	Upper
99	100		
42	15.5	11.9	17.9
71	29.1	22.1	33.1

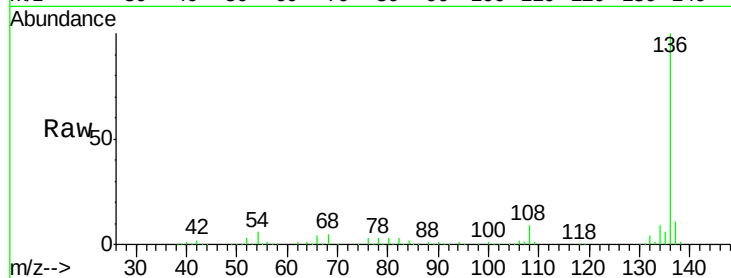




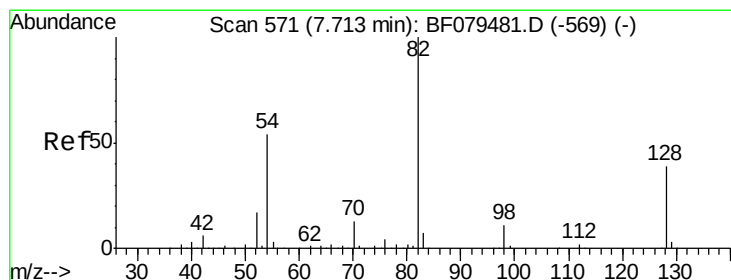
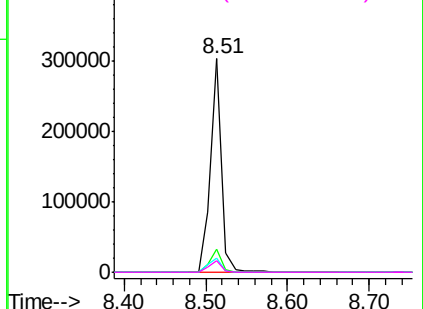
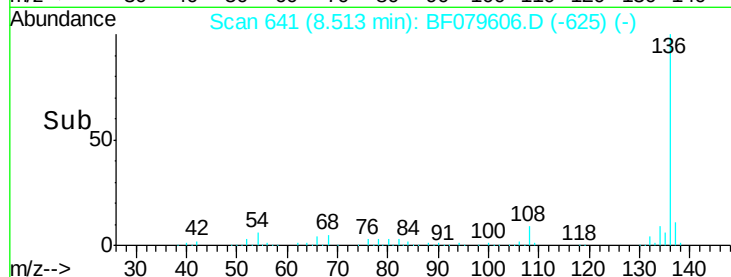
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.51 min Scan# 641
Delta R.T. -0.02 min
Lab File: BF079606.D
Acq: 30 May 2015 16:47

Instrument :
BNA_F
ClientSampleId :
IA14.1(2)

Tgt Ion:	136	Resp:	293728
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	6.5	6.6	9.8#
68	5.1	4.7	7.1

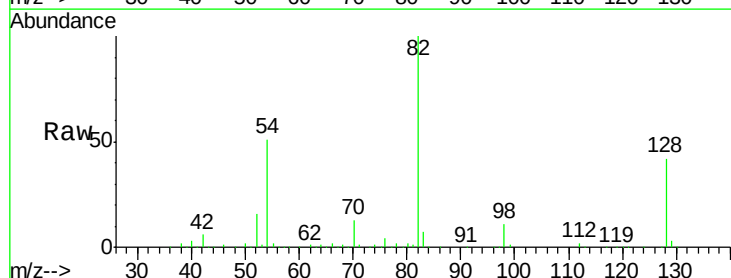


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

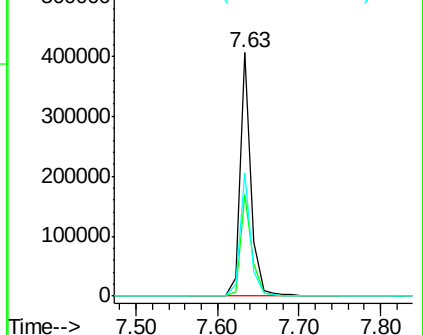
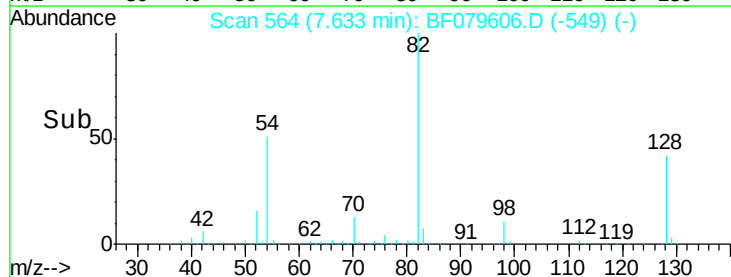


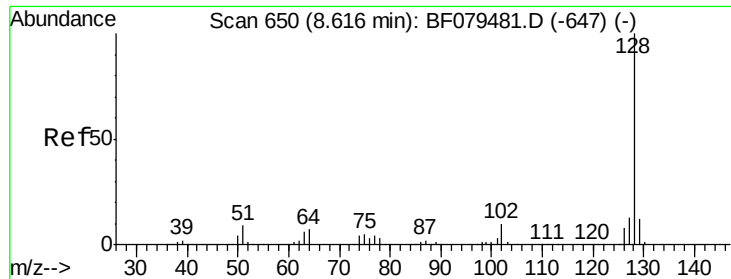
#23
Nitrobenzene-d5
Concen: 74.26 ng
RT: 7.63 min Scan# 564
Delta R.T. -0.03 min
Lab File: BF079606.D
Acq: 30 May 2015 16:47

Tgt Ion:	82	Resp:	377337
Ion	Ratio	Lower	Upper
82	100		
128	41.9	30.8	46.2
54	50.7	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

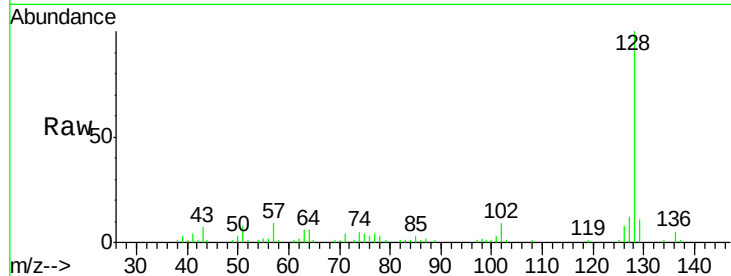




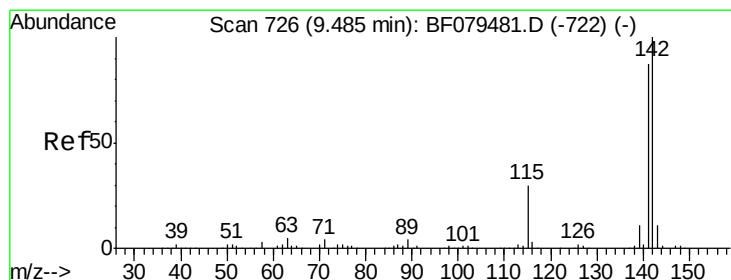
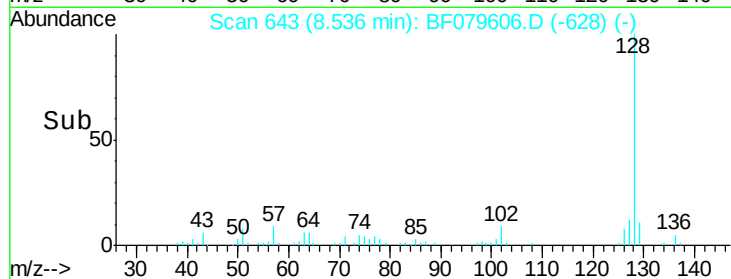
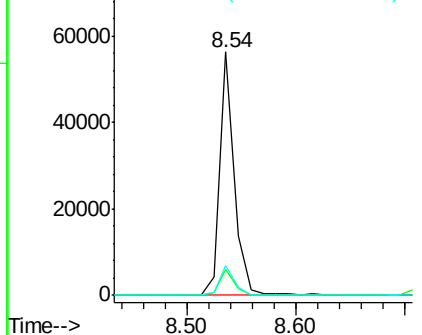
#31
Naphthalene
Concen: 3.75 ng
RT: 8.54 min Scan# 643
Delta R.T. -0.03 min
Lab File: BF079606.D
Acq: 30 May 2015 16:47

Instrument :
BNA_F
ClientSampleId :
IA14.1(2)

Tgt Ion:128 Resp: 52834
Ion Ratio Lower Upper
128 100
129 10.6 9.3 13.9
127 12.3 10.6 15.8

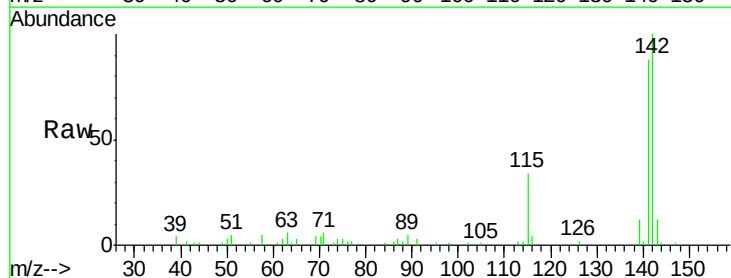


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

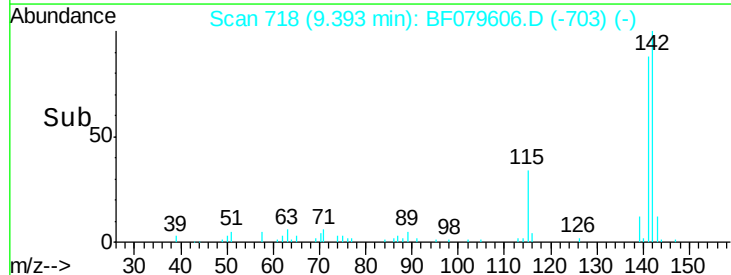
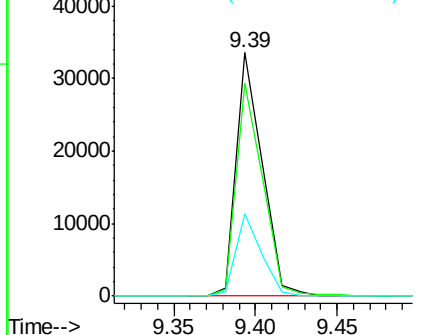


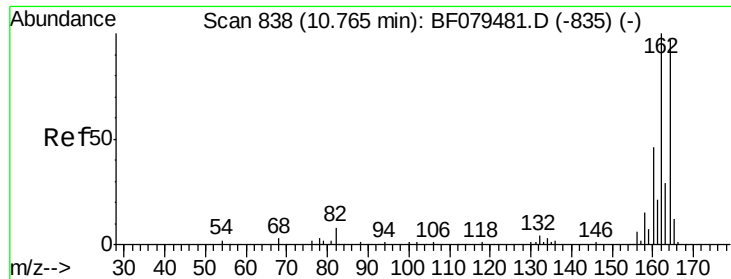
#37
2-Methylnaphthalene
Concen: 3.75 ng
RT: 9.39 min Scan# 718
Delta R.T. -0.03 min
Lab File: BF079606.D
Acq: 30 May 2015 16:47

Tgt Ion:142 Resp: 36736
Ion Ratio Lower Upper
142 100
141 87.7 69.5 104.3
115 34.0 23.8 35.6



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

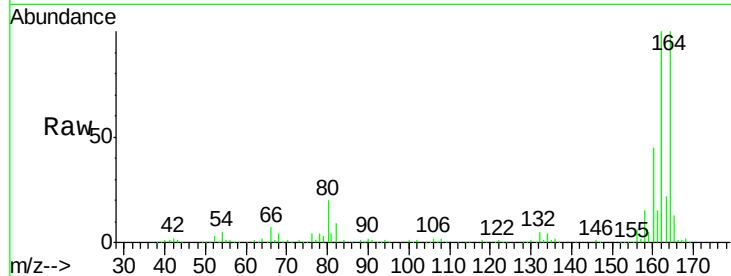




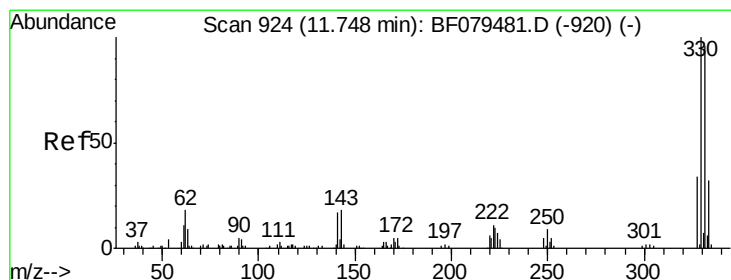
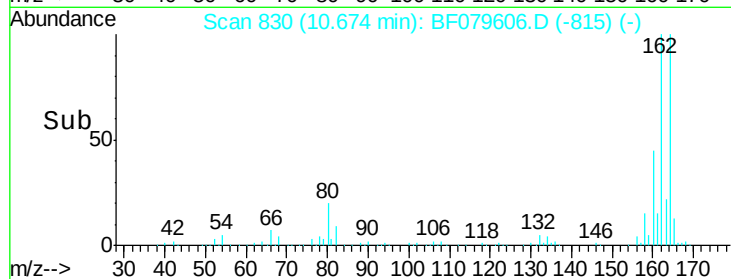
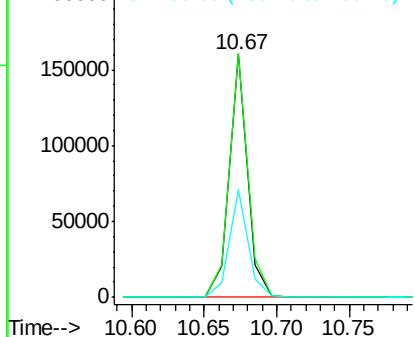
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.67 min Scan# 830
 Delta R.T. -0.03 min
 Lab File: BF079606.D
 Acq: 30 May 2015 16:47

Instrument :
 BNA_F
 ClientSampleId :
 IA14.1(2)

Tgt Ion:164 Resp: 139937
 Ion Ratio Lower Upper
 164 100
 162 99.9 82.6 124.0
 160 44.6 37.7 56.5

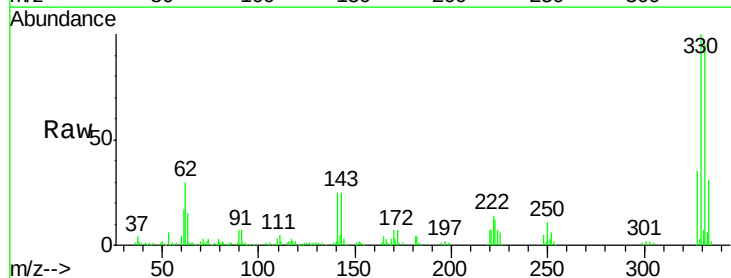


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

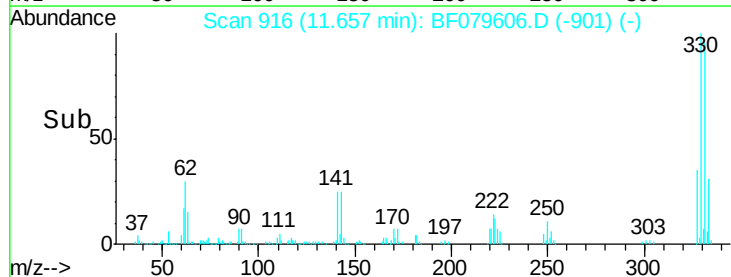
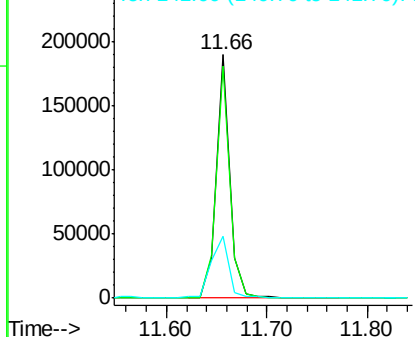


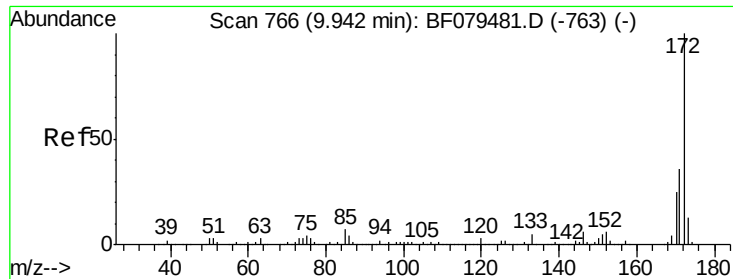
#41
 2,4,6-Tribromophenol
 Concen: 116.20 ng
 RT: 11.66 min Scan# 916
 Delta R.T. -0.03 min
 Lab File: BF079606.D
 Acq: 30 May 2015 16:47

Tgt Ion:330 Resp: 178598
 Ion Ratio Lower Upper
 330 100
 332 96.5 0.0 0.0#
 141 34.3 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

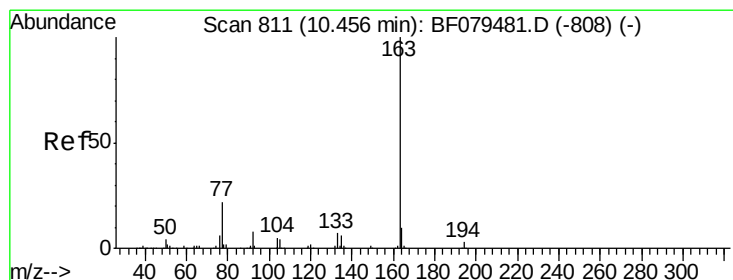
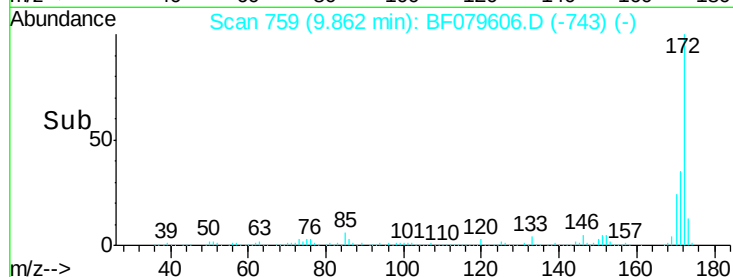
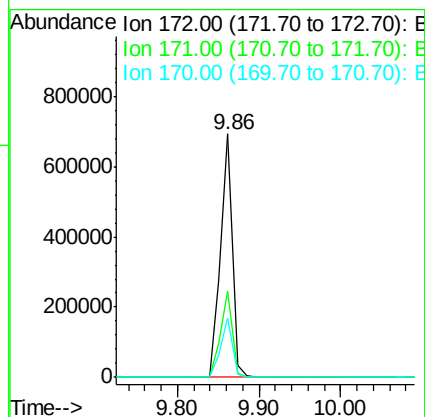
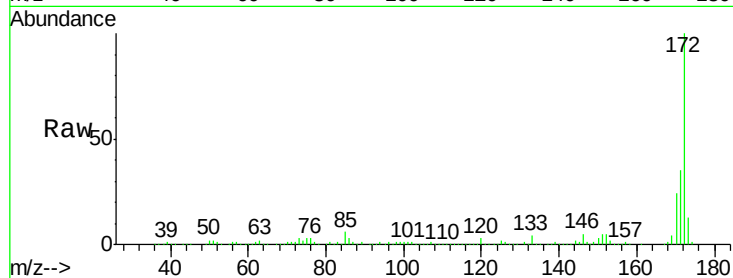




#44
 2-Fluorobiphenyl
 Concen: 70.95 ng
 RT: 9.86 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF079606.D
 Acq: 30 May 2015 16:47

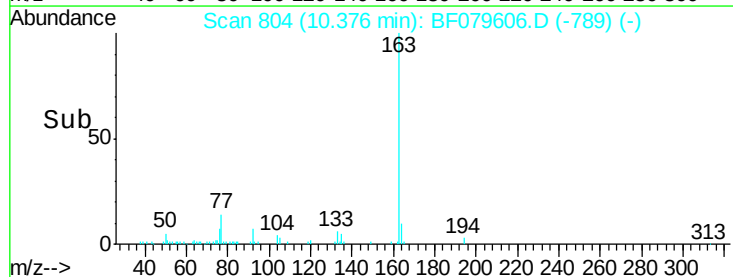
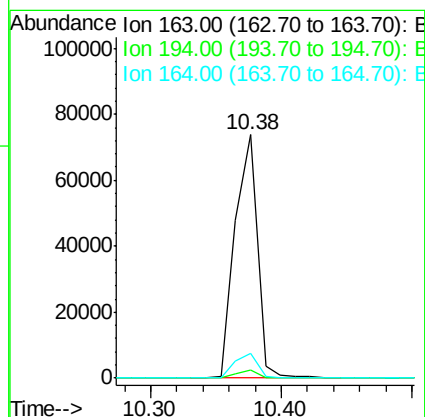
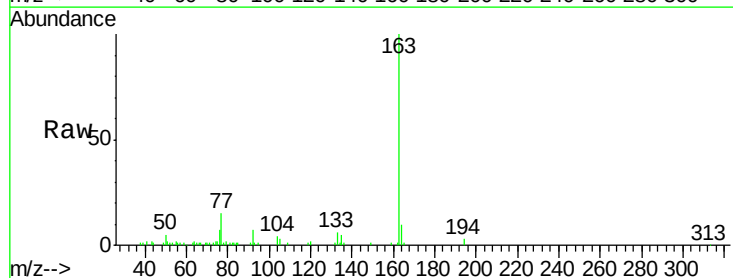
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 IA14.1(2)

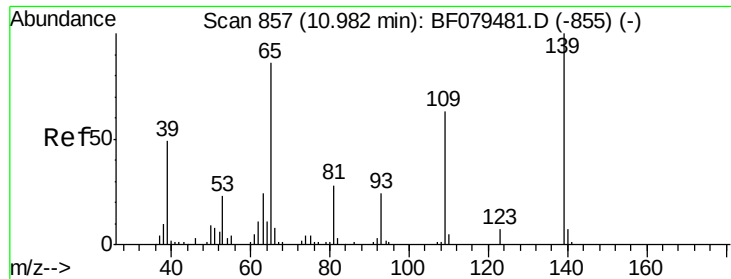
Tgt Ion:172 Resp: 695910
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.5 42.7
 170 24.1 19.7 29.5



#49
 Dimethylphthalate
 Concen: 8.51 ng
 RT: 10.38 min Scan# 804
 Delta R.T. -0.03 min
 Lab File: BF079606.D
 Acq: 30 May 2015 16:47

Tgt Ion:163 Resp: 87737
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.4 3.6
 164 10.2 8.2 12.4





#55

4-Nitrophenol

Concen: 3.72 ng

RT: 10.94 min Scan# 853

Delta R.T. 0.01 min

Lab File: BF079606.D

Acq: 30 May 2015 16:47

Instrument :

BNA_F

ClientSampleId :

IA14.1(2)

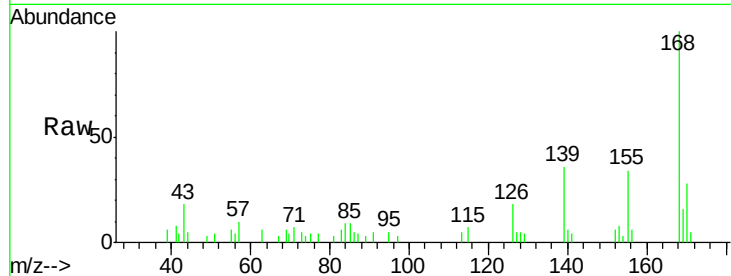
Tgt Ion:139 Resp: 5520

Ion Ratio Lower Upper

139 100

109 0.0 42.8 82.8#

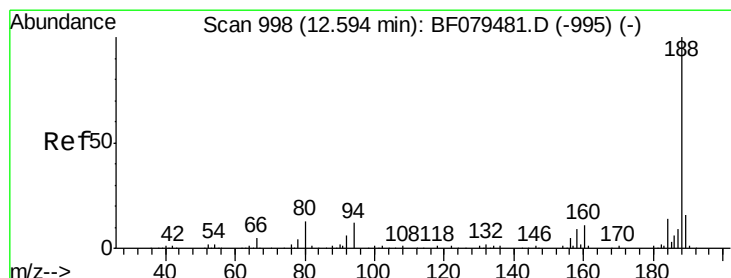
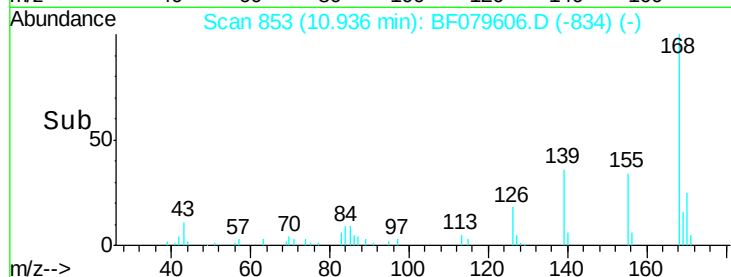
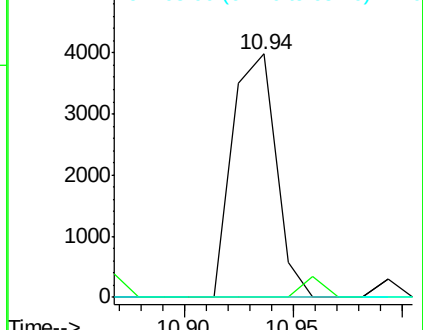
65 0.0 66.3 106.3#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.50 min Scan# 990

Delta R.T. -0.03 min

Lab File: BF079606.D

Acq: 30 May 2015 16:47

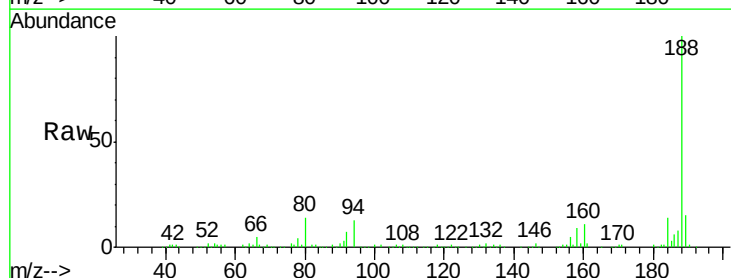
Tgt Ion:188 Resp: 257063

Ion Ratio Lower Upper

188 100

94 13.3 9.8 14.6

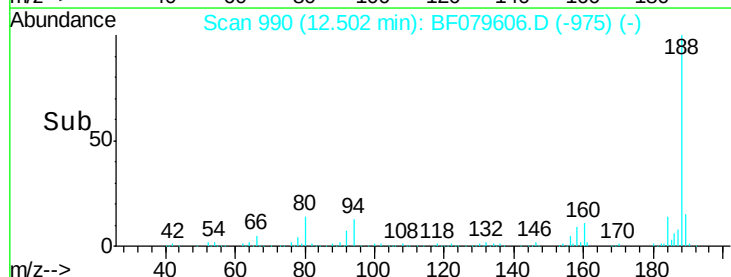
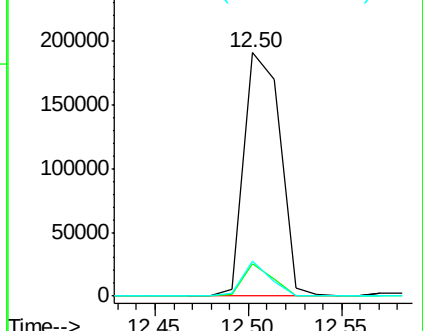
80 14.2 10.5 15.7

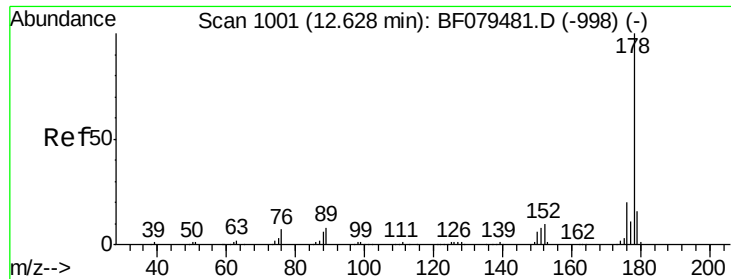


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 5.49 ng

RT: 12.54 min Scan# 993

Delta R.T. -0.03 min

Lab File: BF079606.D

Acq: 30 May 2015 16:47

Instrument :

BNA_F

ClientSampleId :

IA14.1(2)

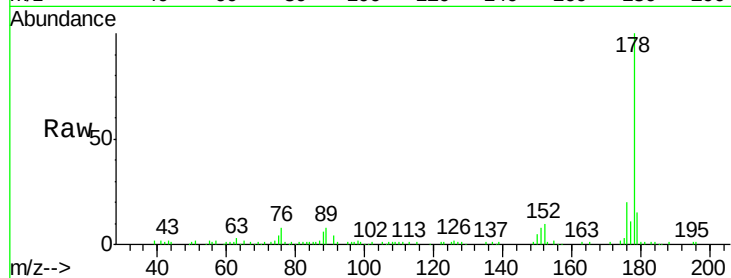
Tgt Ion:178 Resp: 77448

Ion Ratio Lower Upper

178 100

176 19.6 15.7 23.5

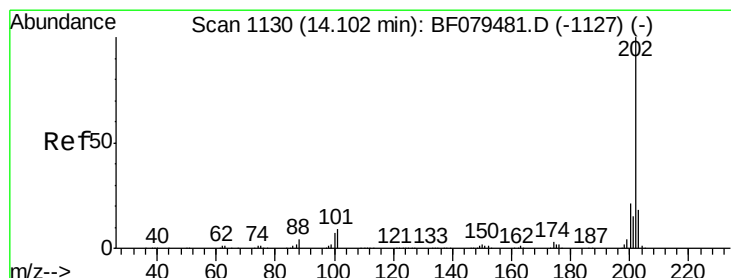
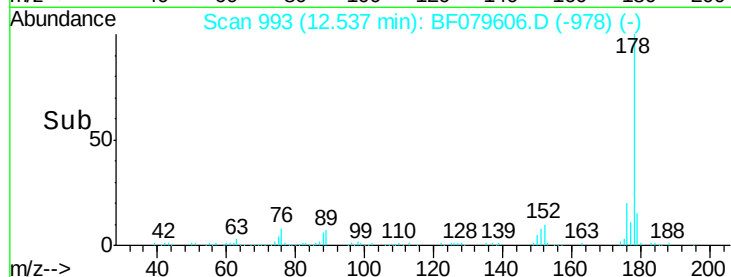
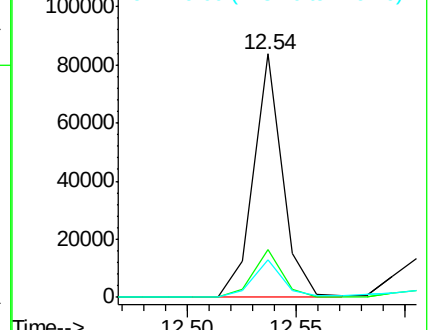
179 15.4 12.4 18.6



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



#74

Fluoranthene

Concen: 6.59 ng

RT: 14.01 min Scan# 1122

Delta R.T. -0.02 min

Lab File: BF079606.D

Acq: 30 May 2015 16:47

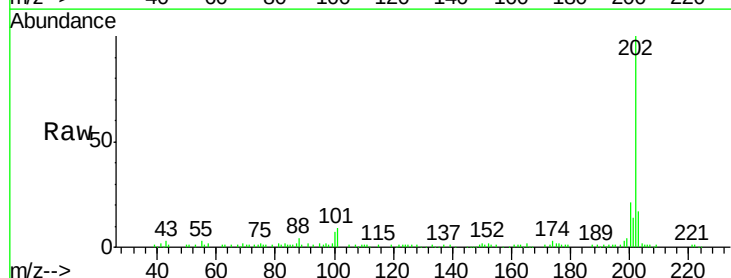
Tgt Ion:202 Resp: 99718

Ion Ratio Lower Upper

202 100

101 8.8 0.0 29.3

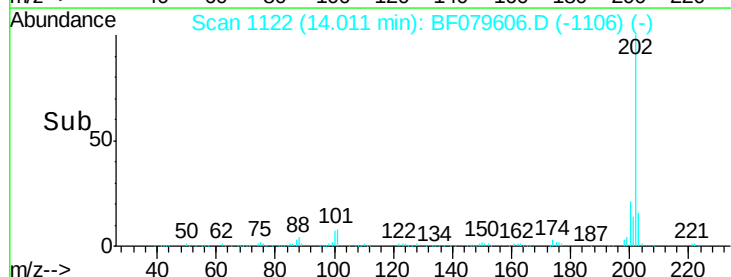
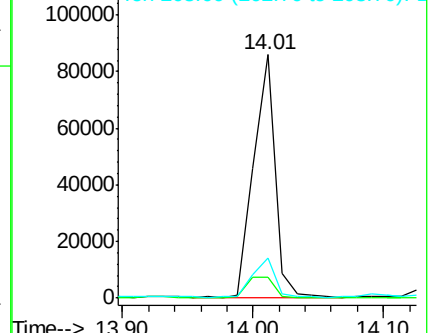
203 16.6 0.0 37.6

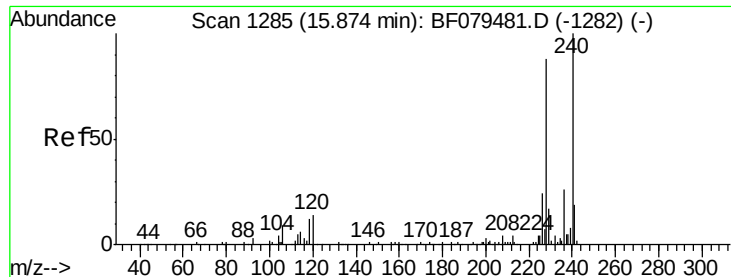


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF079606.D

Acq: 30 May 2015 16:47

Instrument :

BNA_F

ClientSampleId :

IA14.1(2)

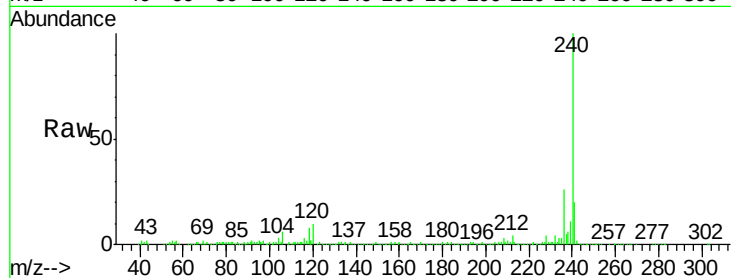
Tgt Ion:240 Resp: 270600

Ion Ratio Lower Upper

240 100

120 10.0 10.8 16.2#

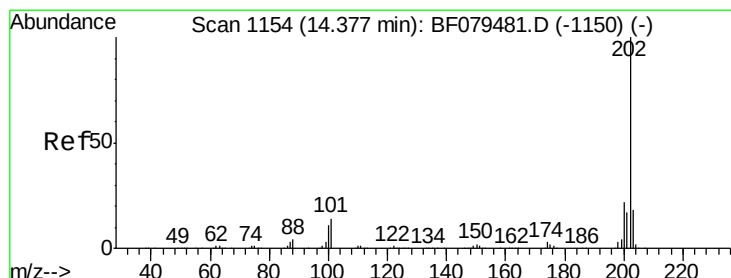
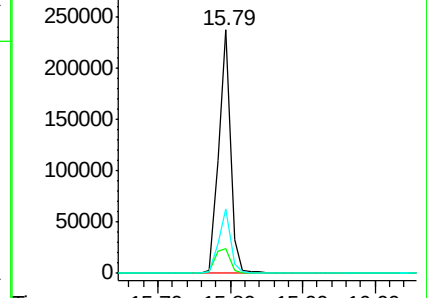
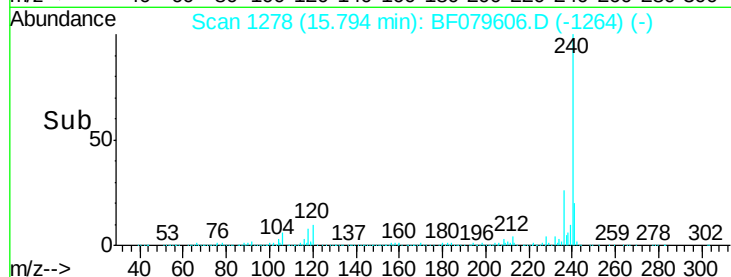
236 26.3 21.0 31.6



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: 5.23 ng

RT: 14.29 min Scan# 1146

Delta R.T. -0.03 min

Lab File: BF079606.D

Acq: 30 May 2015 16:47

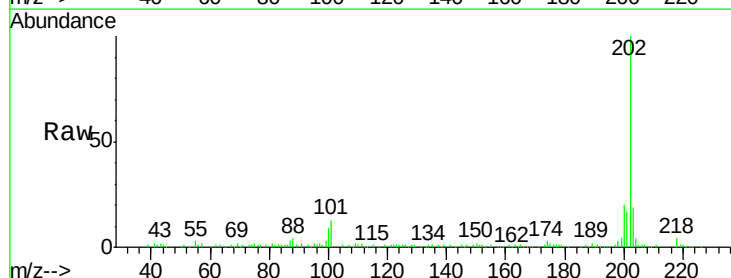
Tgt Ion:202 Resp: 87725

Ion Ratio Lower Upper

202 100

200 20.3 17.5 26.3

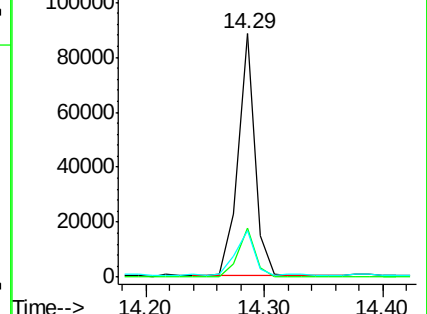
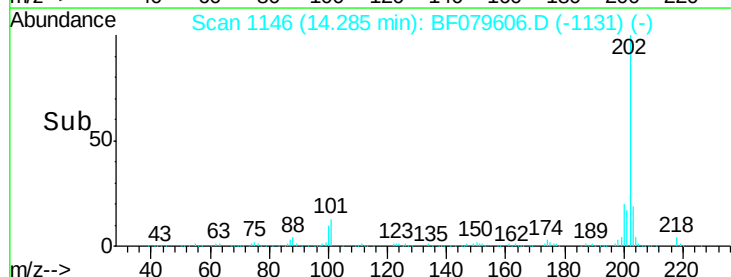
203 19.0 14.4 21.6

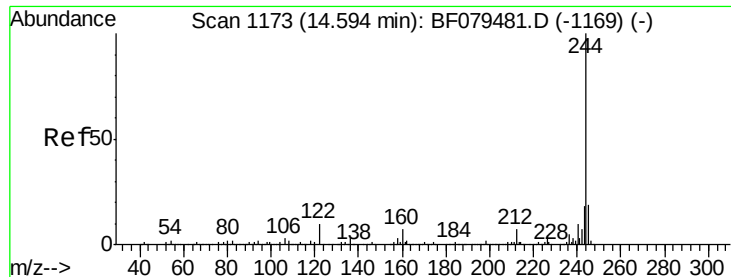


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 60.45 ng

RT: 14.50 min Scan# 1165

Delta R.T. -0.03 min

Lab File: BF079606.D

Acq: 30 May 2015 16:47

Instrument :

BNA_F

ClientSampleId :

IA14.1(2)

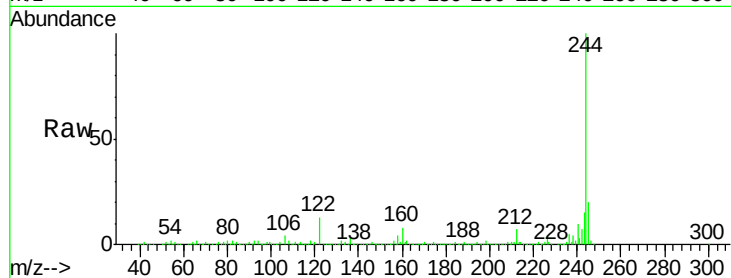
Tgt Ion:244 Resp: 697038

Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

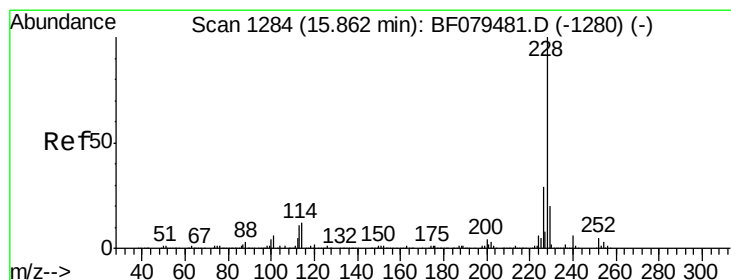
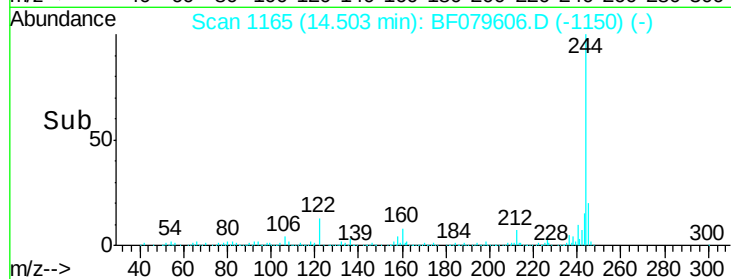
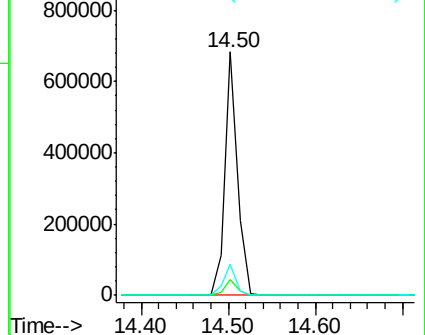
122 12.9 8.0 12.0#



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: 3.30 ng

RT: 15.78 min Scan# 1277

Delta R.T. -0.05 min

Lab File: BF079606.D

Acq: 30 May 2015 16:47

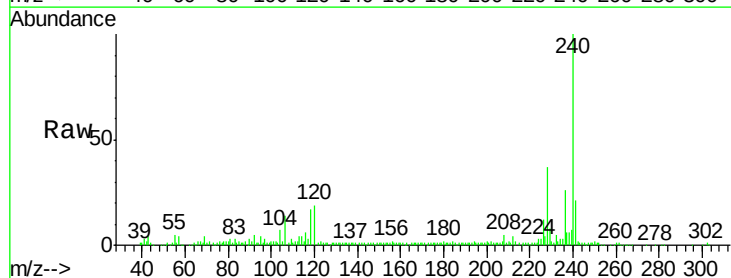
Tgt Ion:228 Resp: 51336

Ion Ratio Lower Upper

228 100

226 31.8 22.8 34.2

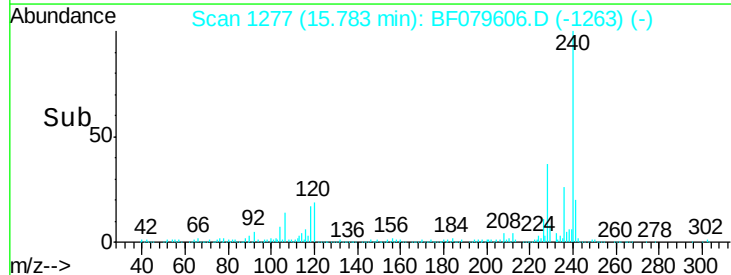
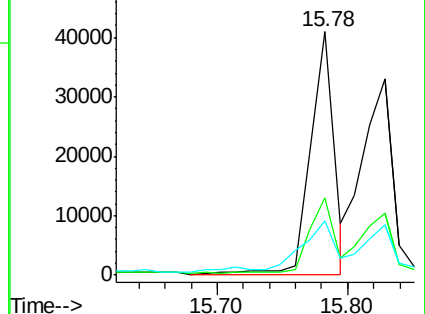
229 22.0 15.9 23.9

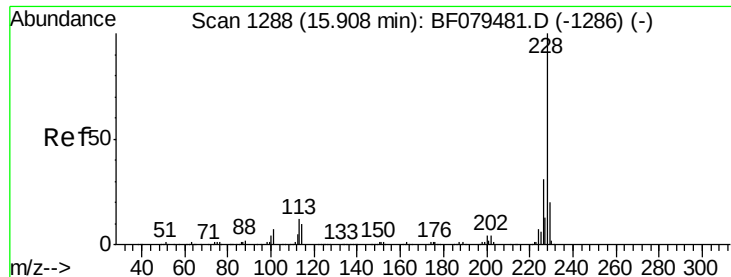


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.47 ng

RT: 15.78 min Scan# 1277

Delta R.T. -0.09 min

Lab File: BF079606.D

Acq: 30 May 2015 16:47

Instrument :

BNA_F

ClientSampleId :

IA14.1(2)

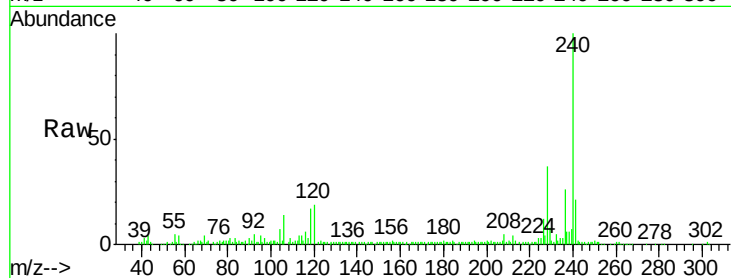
Tgt Ion:228 Resp: 51336

Ion Ratio Lower Upper

228 100

226 31.8 25.0 37.4

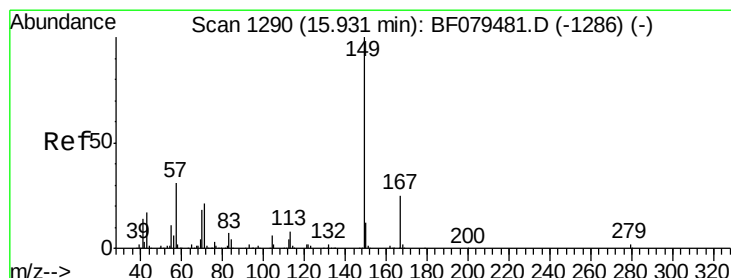
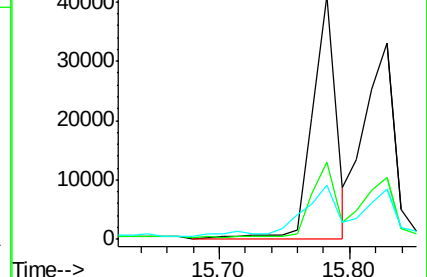
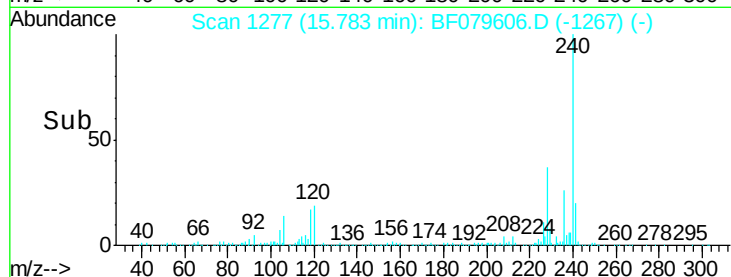
229 22.0 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.33 ng

RT: 15.86 min Scan# 1284

Delta R.T. -0.05 min

Lab File: BF079606.D

Acq: 30 May 2015 16:47

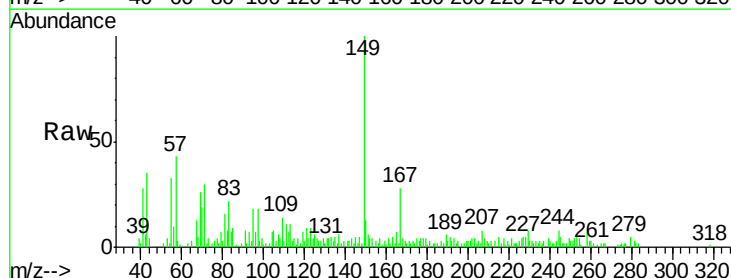
Tgt Ion:149 Resp: 25141

Ion Ratio Lower Upper

149 100

167 27.9 20.2 30.4

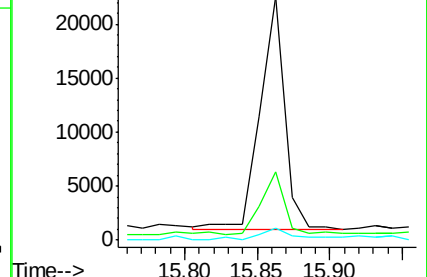
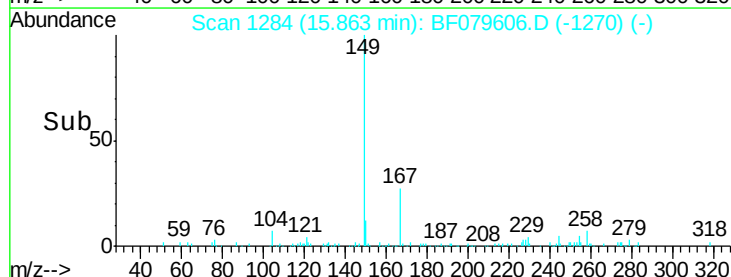
279 4.7 2.0 3.0#

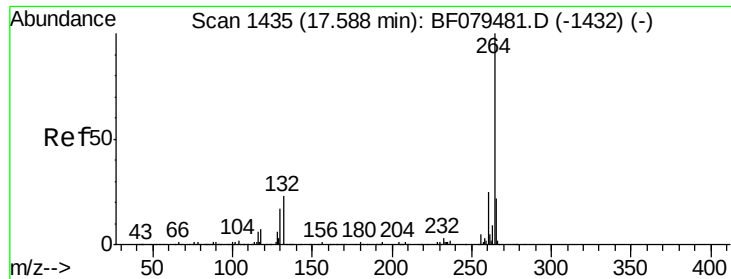


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

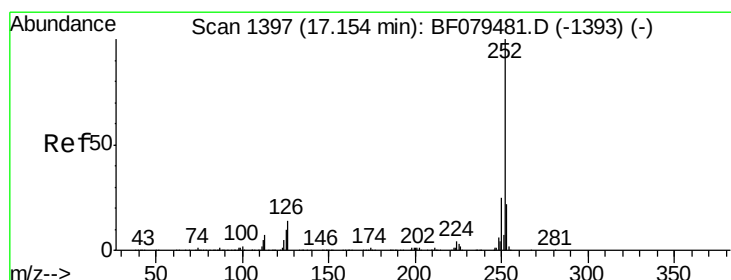
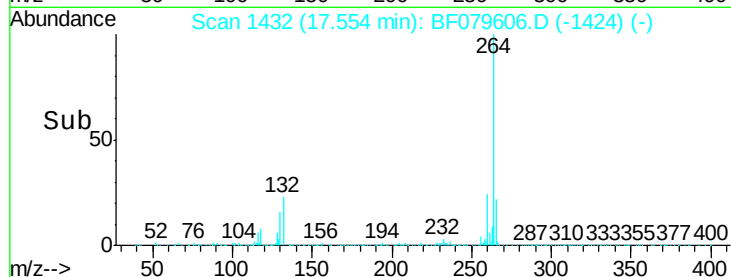
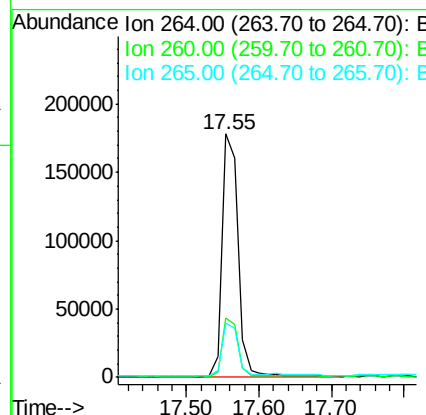
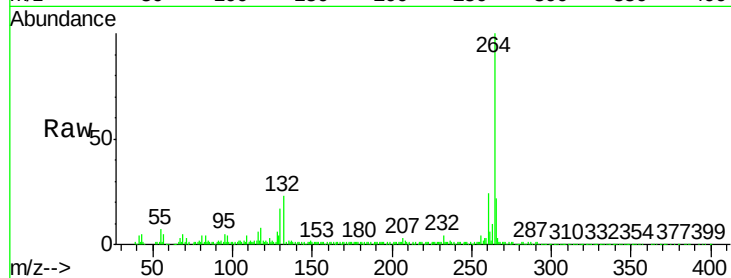




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.55 min Scan# 1432
Delta R.T. -0.11 min
Lab File: BF079606.D
Acq: 30 May 2015 16:47

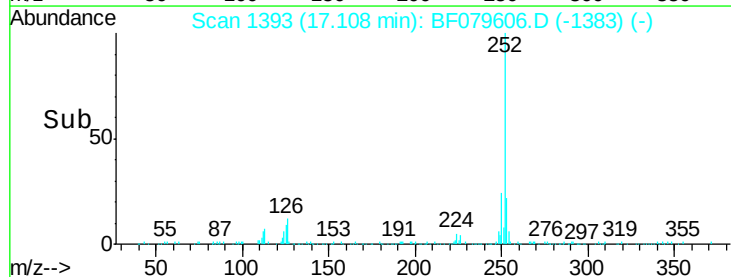
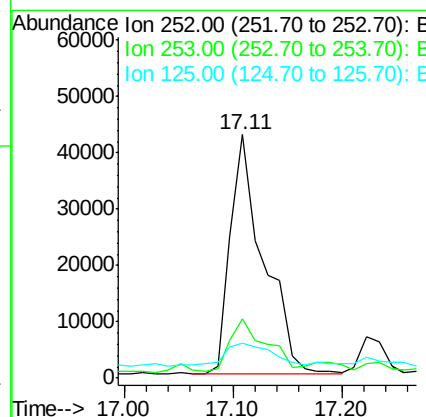
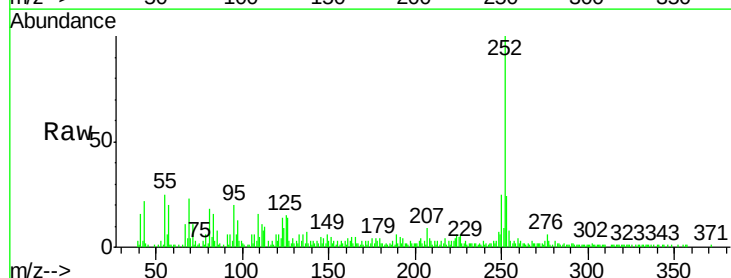
Instrument :
BNA_F
ClientSampleId :
IA14.1(2)

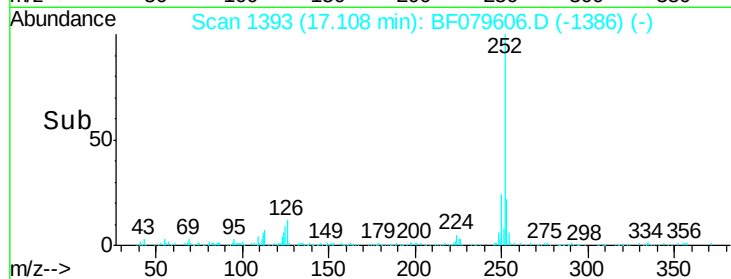
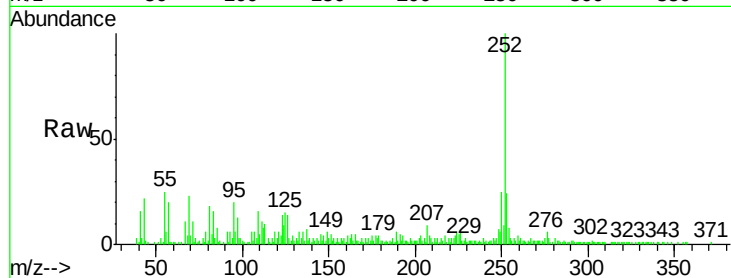
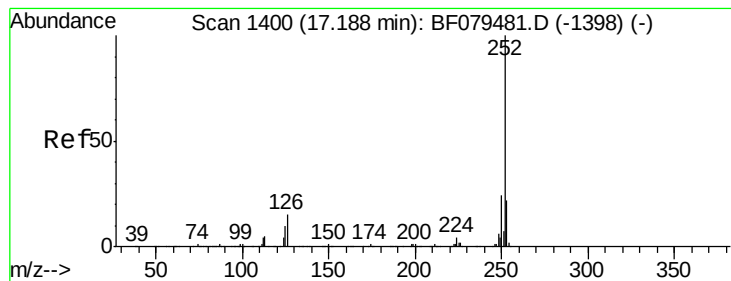
Tgt Ion:264 Resp: 268798
Ion Ratio Lower Upper
264 100
260 24.2 19.8 29.8
265 22.3 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 5.85 ng
RT: 17.11 min Scan# 1393
Delta R.T. -0.09 min
Lab File: BF079606.D
Acq: 30 May 2015 16:47

Tgt Ion:252 Resp: 89611
Ion Ratio Lower Upper
252 100
253 24.4 17.6 26.4
125 14.5 7.8 11.6#





#88

Benzo(k)fluoranthene

Concen: 6.54 ng

RT: 17.11 min Scan# 1393

Delta R.T. -0.13 min

Lab File: BF079606.D

Acq: 30 May 2015 16:47

Instrument :

BNA_F

ClientSampleId :

IA14.1(2)

Tgt Ion: 252 Resp: 89611

Ion Ratio Lower Upper

252 100

253 24.4 17.2 25.8

125 14.5 6.8 10.2#

