

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052215\
 Data File : BF079461.D
 Acq On : 23 May 2015 7:26
 Operator : TP/IZ
 Sample : G2289-14 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-32D

Quant Time: May 25 06:59:58 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 25 06:56:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.05	152	71885	20.00	ng	0.00
21) Naphthalene-d8	8.63	136	286404	20.00	ng	0.00
38) Acenaphthene-d10	10.80	164	135715	20.00	ng	0.00
63) Phenanthrene-d10	12.63	188	254045	20.00	ng	0.00
75) Chrysene-d12	15.92	240	258683	20.00	ng	0.01
86) Perylene-d12	17.70	264	266479	20.00	ng	0.09

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.64	99	97540	17.67	ng	0.01
23) Nitrobenzene-d5	7.75	82	17292	3.47	ng	0.00
41) 2,4,6-Tribromophenol	11.78	330	10954	7.46	ng	0.00
44) 2-Fluorobiphenyl	9.98	172	116471	11.96	ng	0.00
78) Terphenyl-d14	14.63	244	126986	11.75	ng	0.00

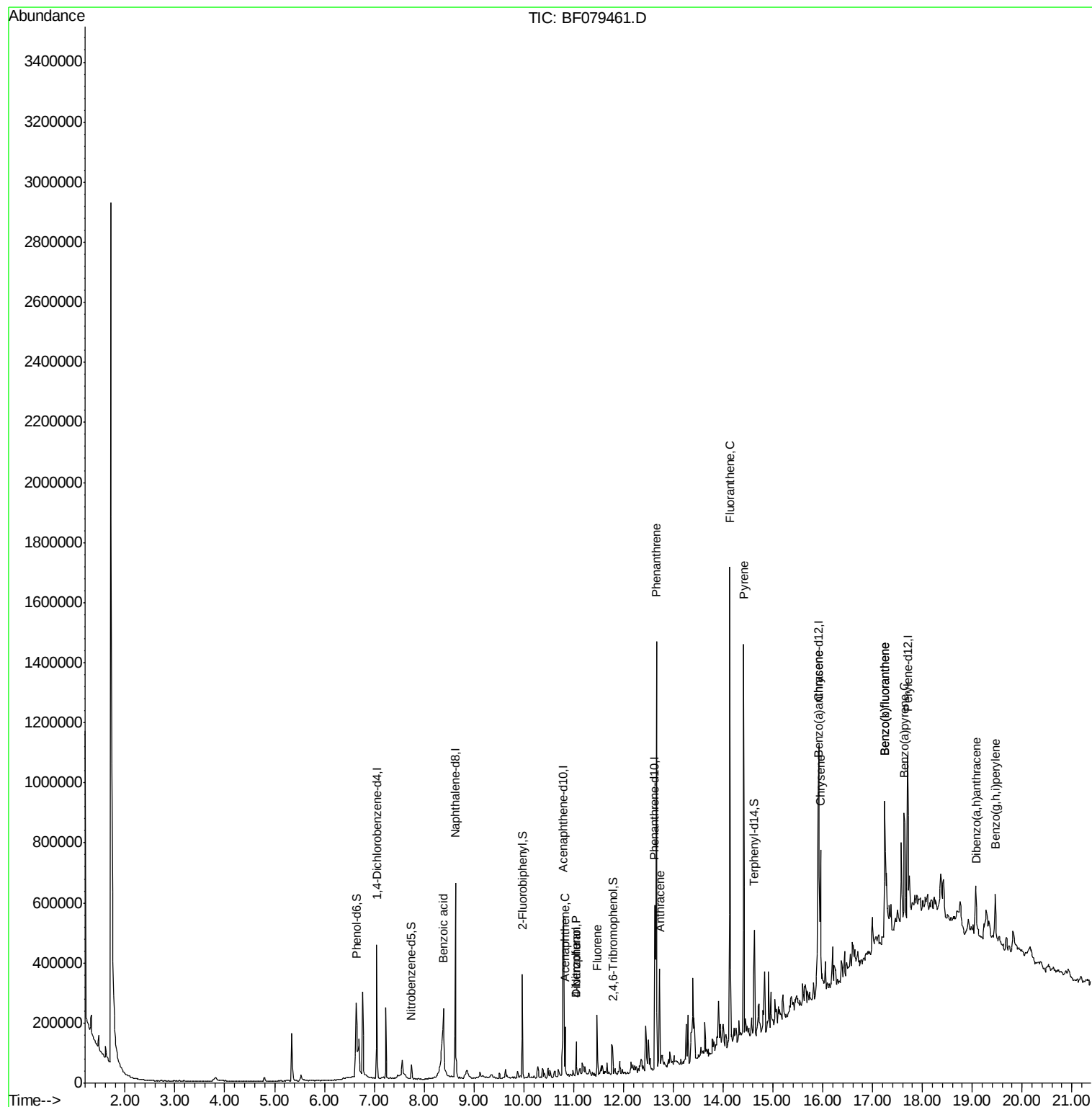
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	8.39	122	2027	7.00	ng	# 72
51) Acenaphthene	10.83	154	35228	4.28	ng	99
54) Dibenzofuran	11.05	168	42874	3.60	ng	97
55) 4-Nitrophenol	11.05	139	16000	8.23	ng	# 2
57) Fluorene	11.47	166	56363	5.77	ng	100
70) Phenanthrene	12.66	178	549338	38.65	ng	100
71) Anthracene	12.73	178	185337	13.29	ng	100
74) Fluoranthene	14.14	202	678227	45.80	ng	97
77) Pyrene	14.41	202	590919	39.64	ng	97
80) Benzo(a)anthracene	15.91	228	272629	19.25	ng	98
82) Chrysene	15.95	228	210922	15.48	ng	98
87) Benzo(b)fluoranthene	17.25	252	375570	25.75	ng	99
88) Benzo(k)fluoranthene	17.25	252	375570	26.60	ng	# 96
89) Benzo(a)pyrene	17.65	252	218088	16.24	ng	99
90) Dibenzo(a,h)anthracene	19.09	278	33836	2.37	ng	# 76
91) Benzo(g,h,i)perylene	19.46	276	135306	9.46	ng	95

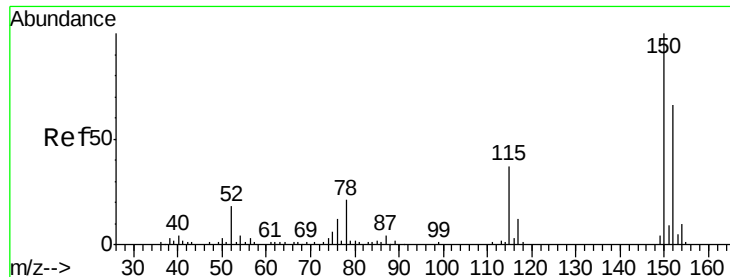
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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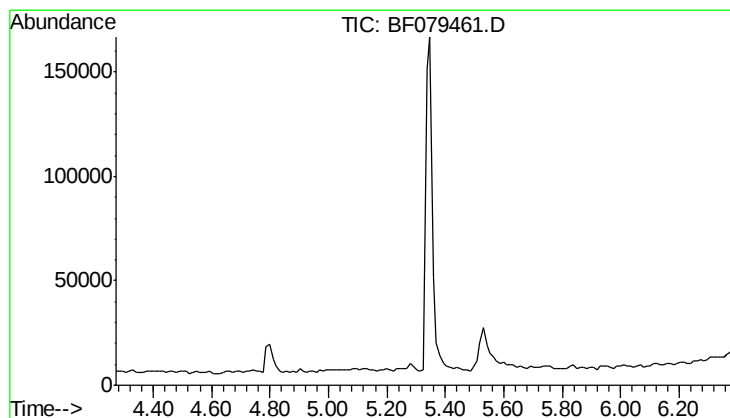
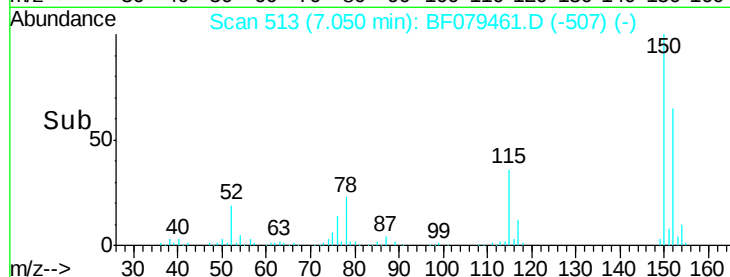
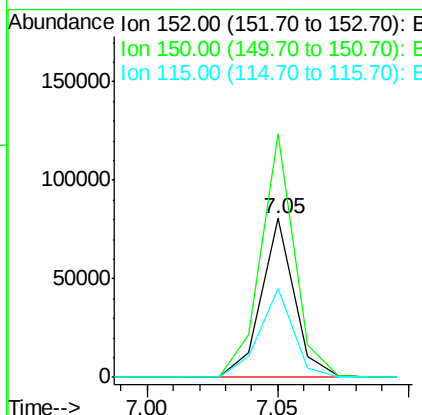
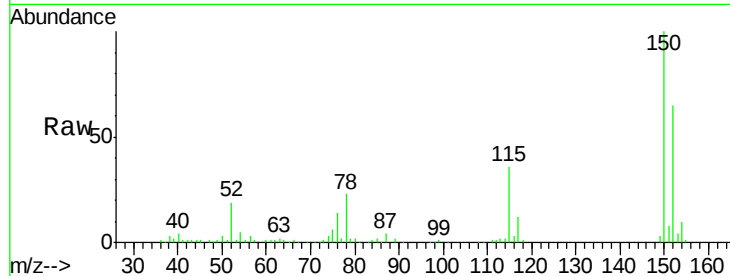




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.05 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: BF079461.D
 Acq: 23 May 2015 7:26

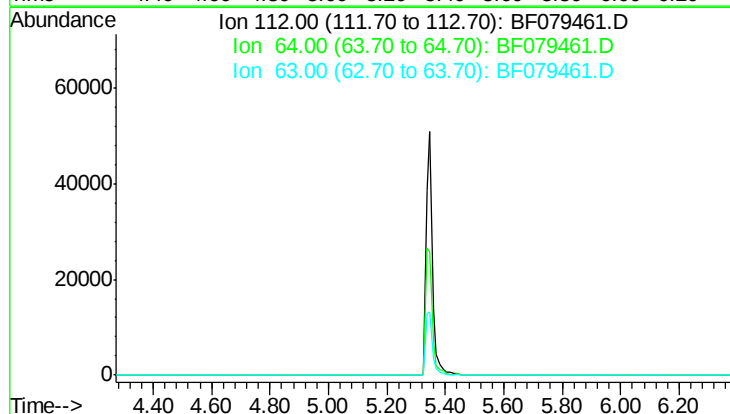
Instrument :
 BNA_F
 ClientSampleId :
 SB-32D

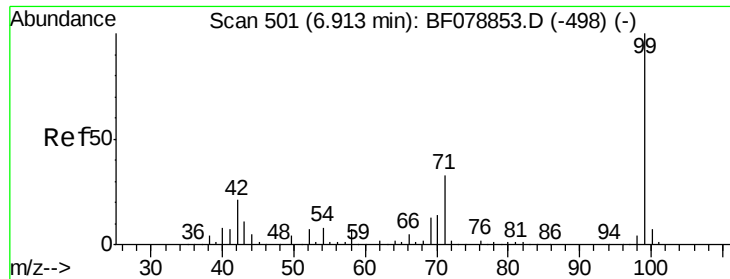
Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.3	123.8	185.8
115	55.7	49.4	74.0



#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.32 min
 Lab File: BF079461.D
 Acq: 23 May 2015 7:26

Tgt Ion	Sig	Exp Ratio
112	100	
64	55.2	
63	28.4	





#7

Phenol-d6

Concen: 17.67 ng

RT: 6.64 min Scan# 477

Delta R.T. 0.01 min

Lab File: BF079461.D

Acq: 23 May 2015 7:26

Instrument :

BNA_F

ClientSampleId :

SB-32D

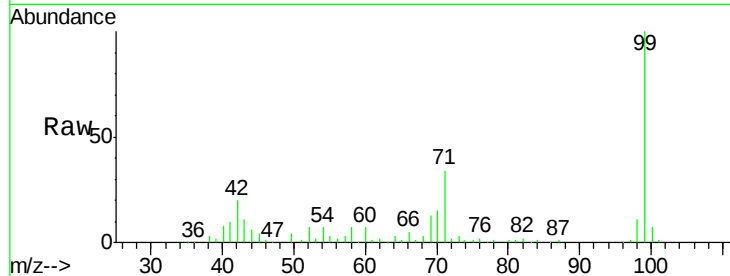
Tgt Ion: 99 Resp: 97540

Ion Ratio Lower Upper

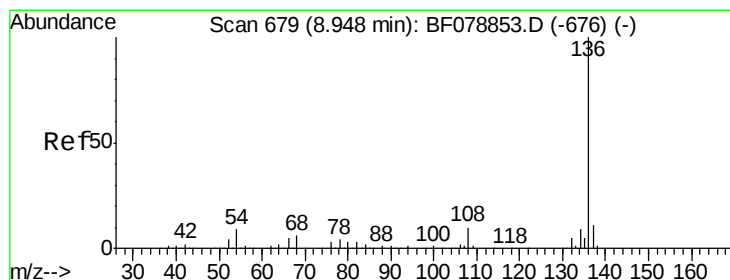
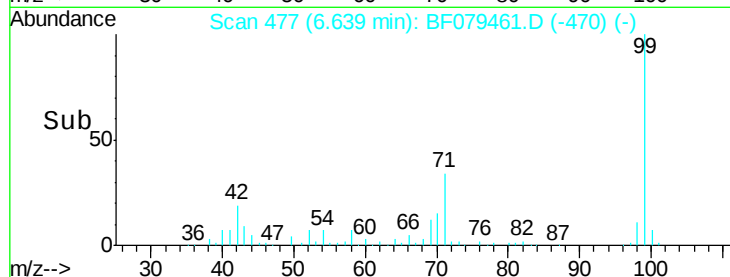
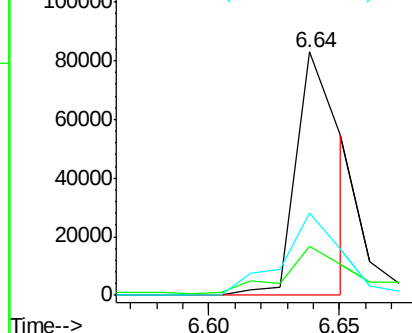
99 100

42 19.9 17.1 25.7

71 34.0 26.3 39.5



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: 8.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BF079461.D

Acq: 23 May 2015 7:26

Tgt Ion: 136 Resp: 286404

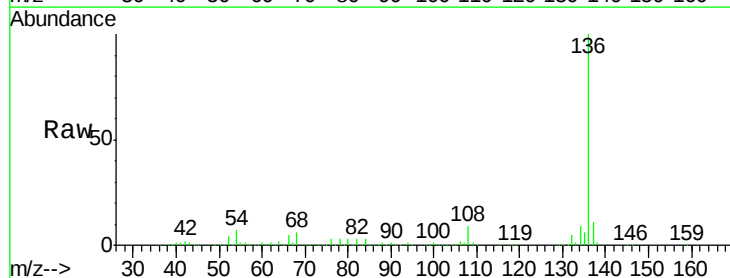
Ion Ratio Lower Upper

136 100

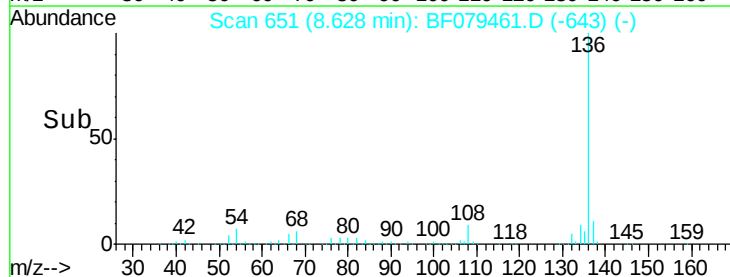
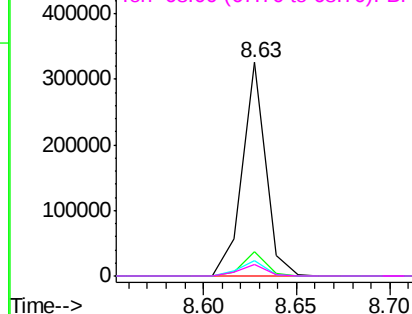
137 11.1 8.8 13.2

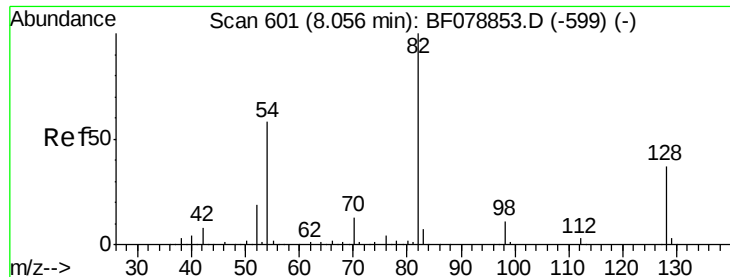
54 7.0 6.9 10.3

68 5.6 4.9 7.3



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

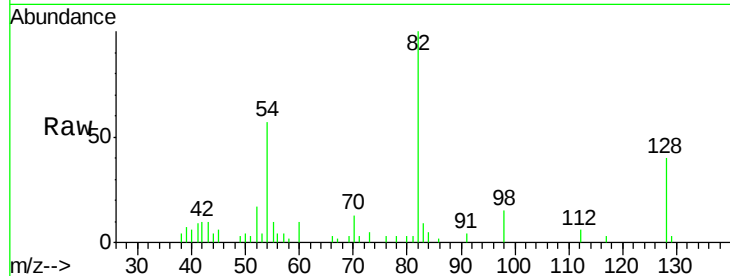




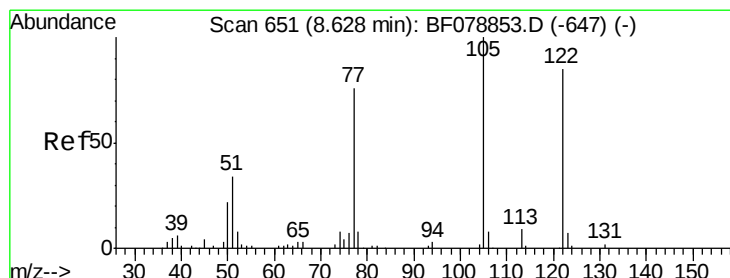
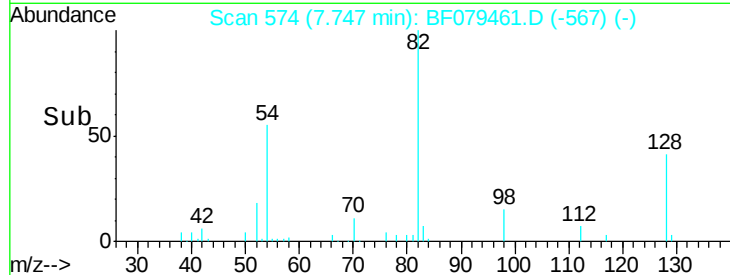
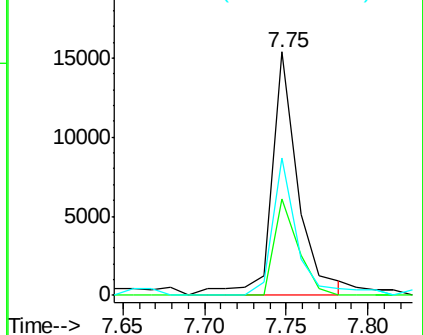
#23
Nitrobenzene-d5
Concen: 3.47 ng
RT: 7.75 min Scan# 574
Delta R.T. -0.00 min
Lab File: BF079461.D
Acq: 23 May 2015 7:26

Instrument :
BNA_F
ClientSampleId :
SB-32D

Tgt Ion: 82 Resp: 17292
Ion Ratio Lower Upper
82 100
128 39.8 29.7 44.5
54 56.6 46.2 69.4

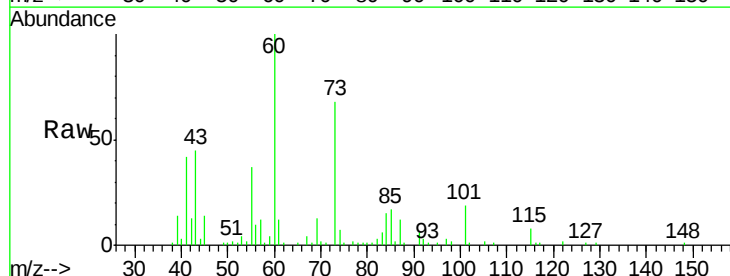


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

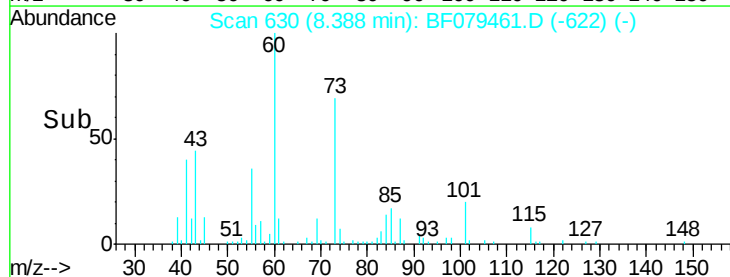
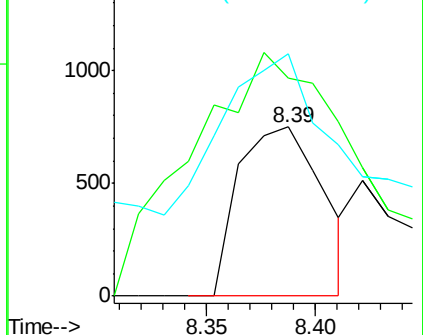


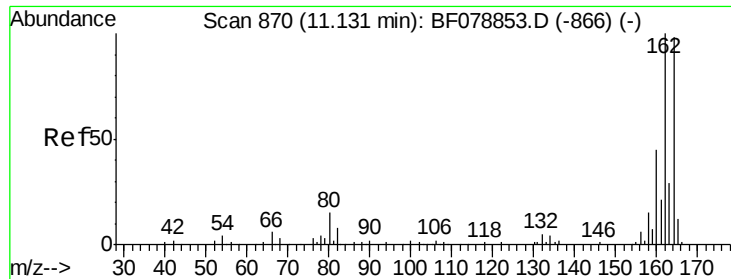
#32
Benzoic acid
Concen: 7.00 ng
RT: 8.39 min Scan# 630
Delta R.T. 0.01 min
Lab File: BF079461.D
Acq: 23 May 2015 7:26

Tgt Ion: 122 Resp: 2027
Ion Ratio Lower Upper
122 100
105 129.3 100.7 140.7
77 143.3 72.0 112.0#



Abundance Ion 122.00 (121.70 to 122.70): B
Ion 105.00 (104.70 to 105.70): B
Ion 77.00 (76.70 to 77.70): BF0

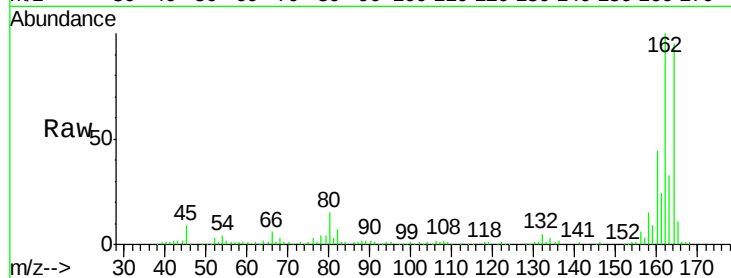




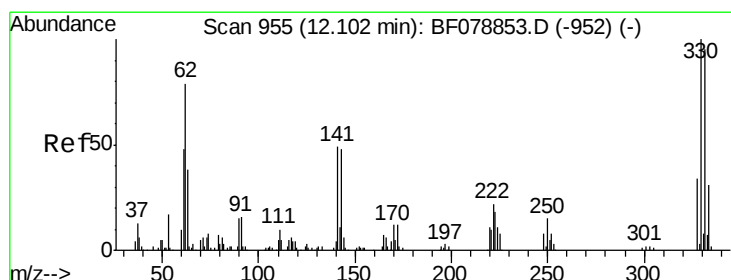
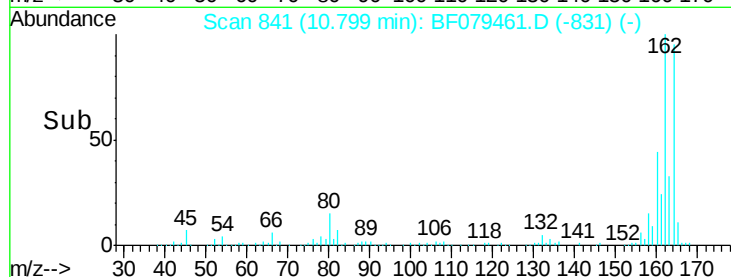
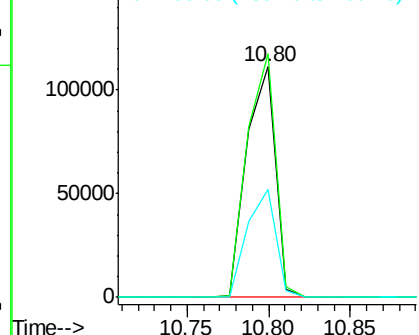
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.80 min Scan# 841
Delta R.T. -0.00 min
Lab File: BF079461.D
Acq: 23 May 2015 7:26

Instrument :
BNA_F
ClientSampleId :
SB-32D

Tgt Ion:164 Resp: 135715
Ion Ratio Lower Upper
164 100
162 105.7 81.4 122.0
160 46.9 36.6 54.8

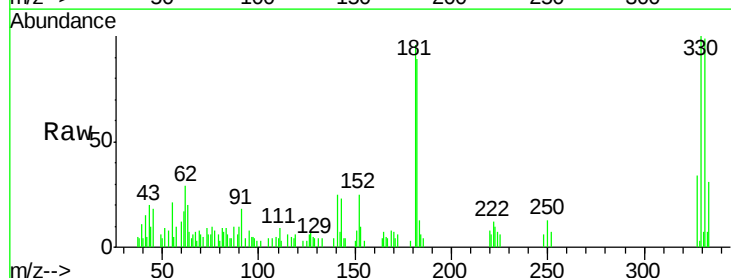


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

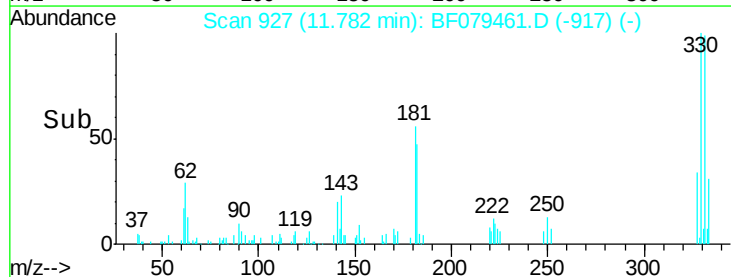
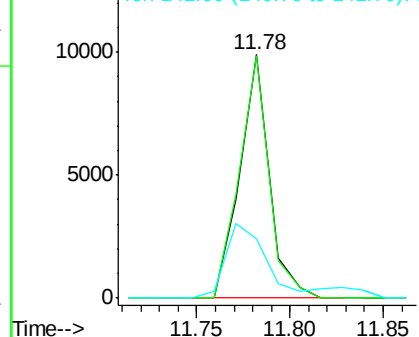


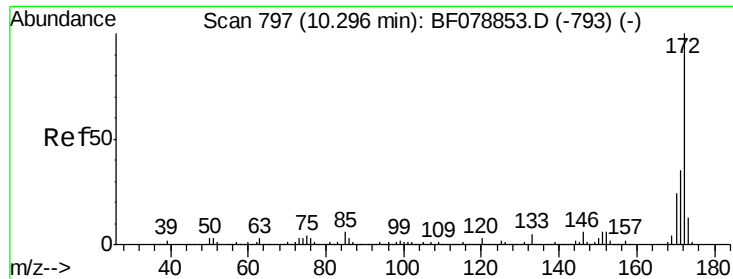
#41
2,4,6-Tribromophenol
Concen: 7.46 ng
RT: 11.78 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF079461.D
Acq: 23 May 2015 7:26

Tgt Ion:330 Resp: 10954
Ion Ratio Lower Upper
330 100
332 100.4 76.9 115.3
141 48.5 27.8 41.8#



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

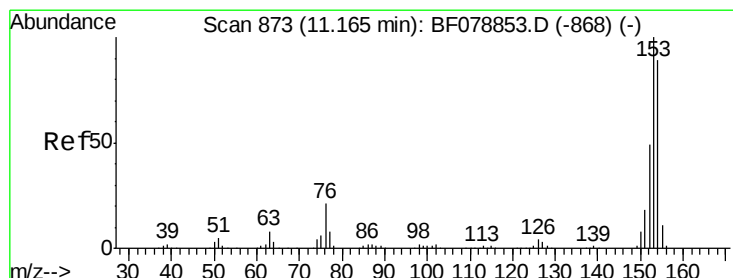
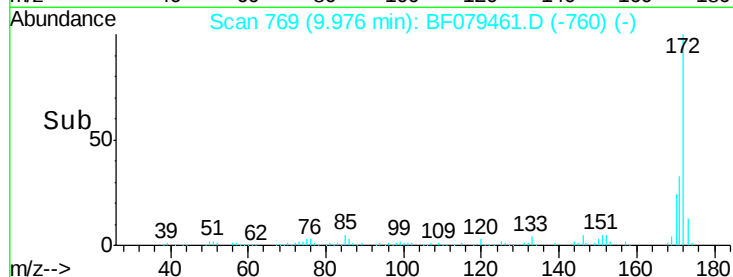
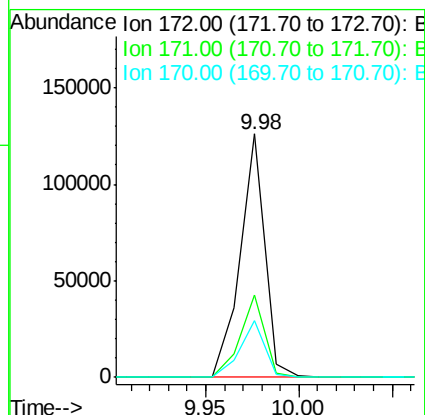
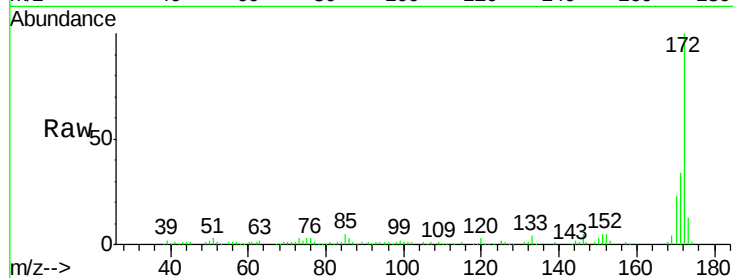




#44
 2-Fluorobiphenyl
 Concen: 11.96 ng
 RT: 9.98 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BF079461.D
 Acq: 23 May 2015 7:26

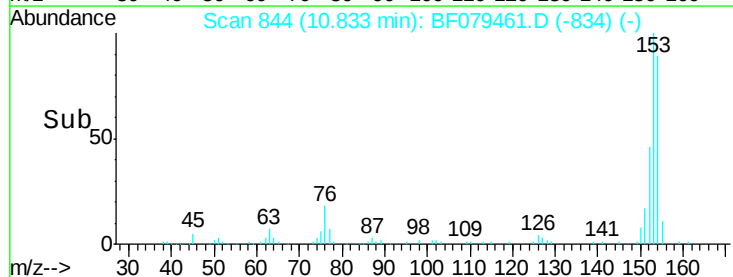
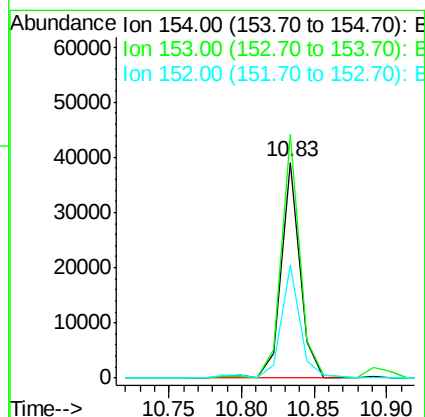
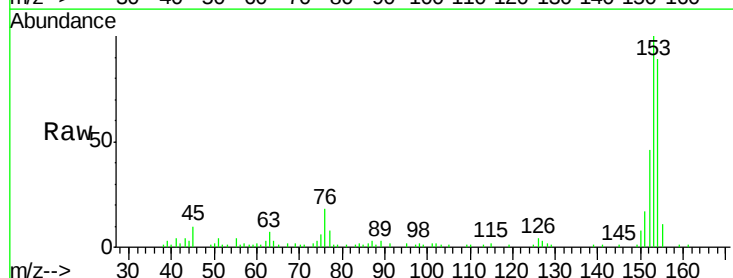
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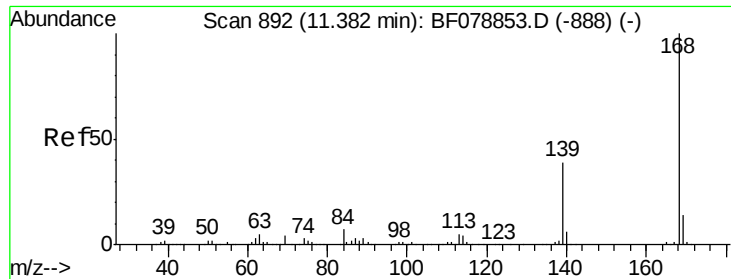
Tgt Ion:172 Resp: 116471
 Ion Ratio Lower Upper
 172 100
 171 33.6 28.3 42.5
 170 23.5 19.4 29.2



#51
 Acenaphthene
 Concen: 4.28 ng
 RT: 10.83 min Scan# 844
 Delta R.T. -0.00 min
 Lab File: BF079461.D
 Acq: 23 May 2015 7:26

Tgt Ion:154 Resp: 35228
 Ion Ratio Lower Upper
 154 100
 153 112.7 90.2 135.2
 152 52.2 43.8 65.8

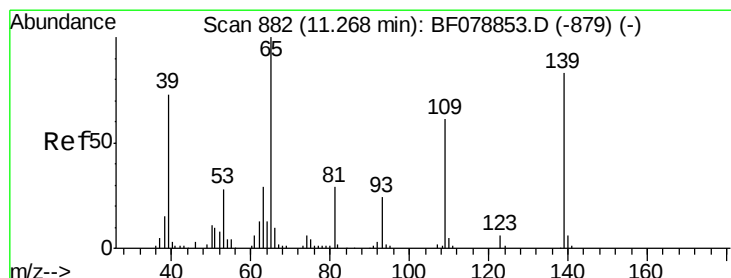
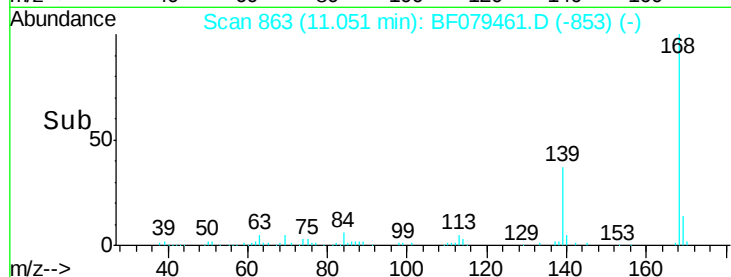
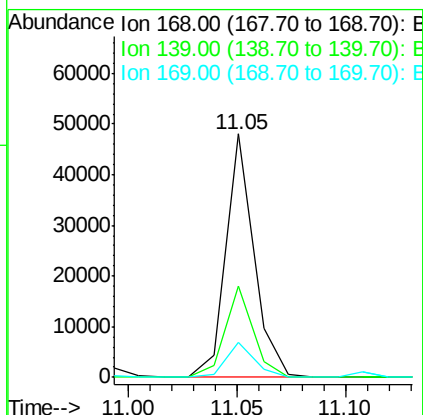
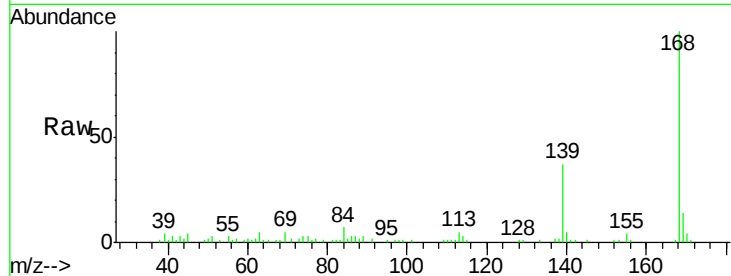




#54
Dibenzenofuran
Concen: 3.60 ng
RT: 11.05 min Scan# 863
Delta R.T. -0.00 min
Lab File: BF079461.D
Acq: 23 May 2015 7:26

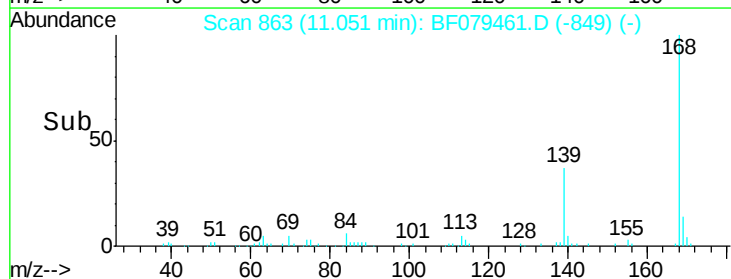
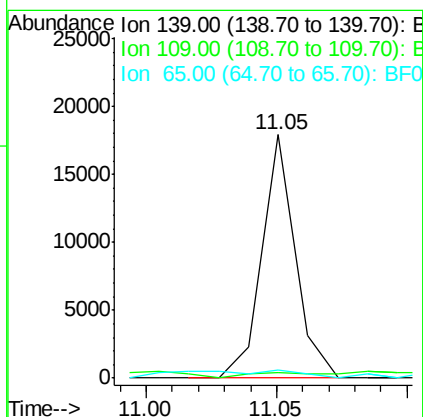
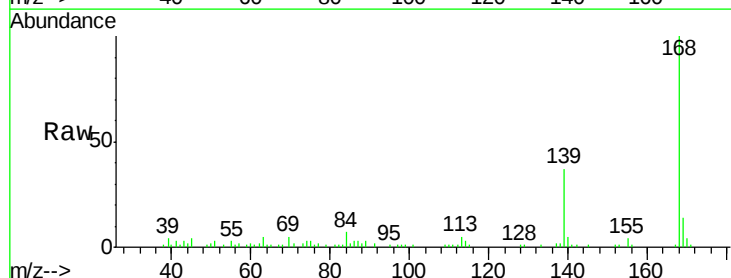
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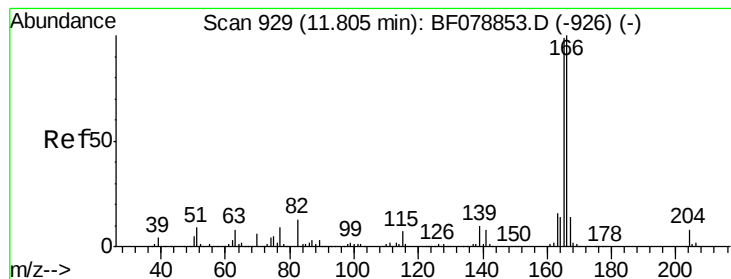
Tgt Ion:168 Resp: 42874
Ion Ratio Lower Upper
168 100
139 37.3 31.5 47.3
169 14.3 11.0 16.4



#55
4-Nitrophenol
Concen: 8.23 ng
RT: 11.05 min Scan# 863
Delta R.T. 0.05 min
Lab File: BF079461.D
Acq: 23 May 2015 7:26

Tgt Ion:139 Resp: 16000
Ion Ratio Lower Upper
139 100
109 2.4 54.4 94.4#
65 3.2 101.0 141.0#





#57

Fluorene

Concen: 5.77 ng

RT: 11.47 min Scan# 900

Delta R.T. -0.00 min

Lab File: BF079461.D

Acq: 23 May 2015 7:26

Instrument :

BNA_F

ClientSampleId :

SB-32D

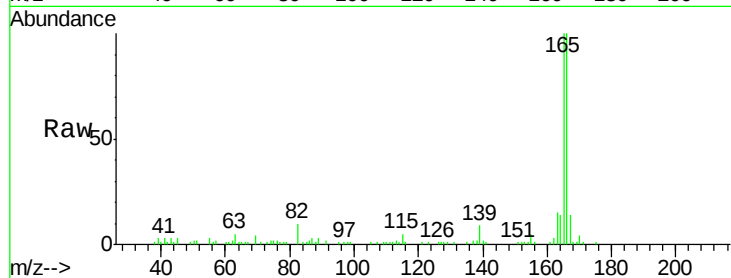
Tgt Ion:166 Resp: 56363

Ion Ratio Lower Upper

166 100

165 99.5 79.5 119.3

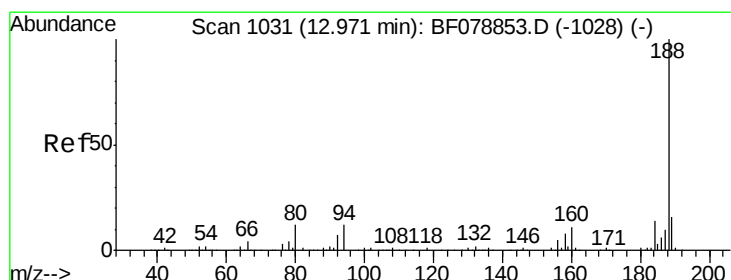
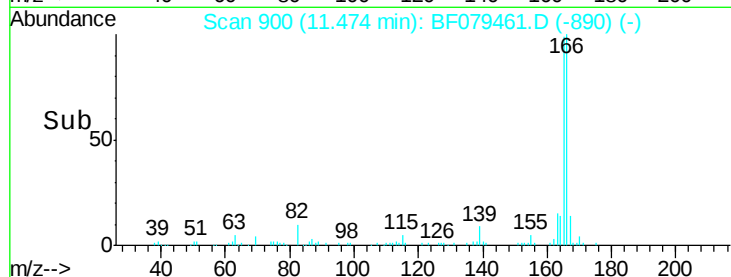
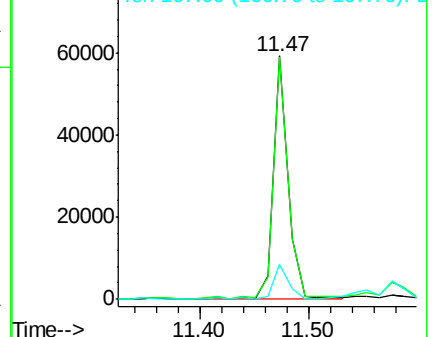
167 14.3 11.0 16.6



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: 12.63 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BF079461.D

Acq: 23 May 2015 7:26

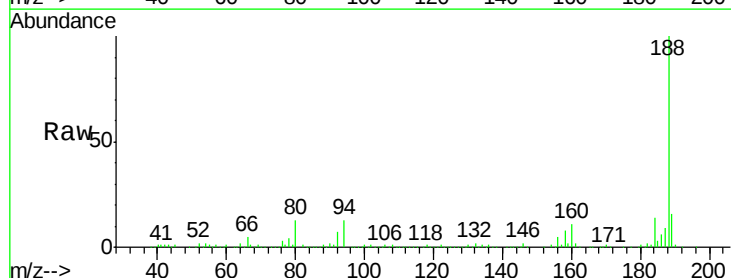
Tgt Ion:188 Resp: 254045

Ion Ratio Lower Upper

188 100

94 13.0 9.4 14.0

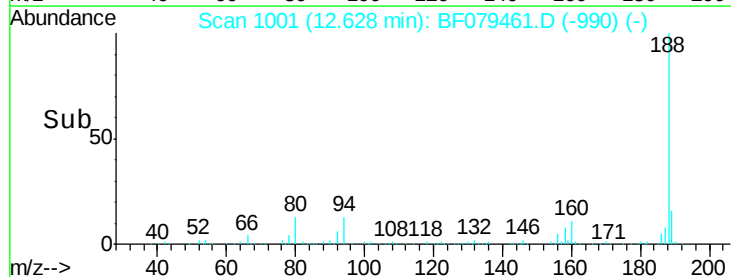
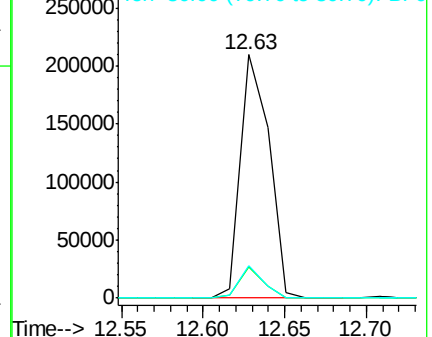
80 13.3 9.8 14.6

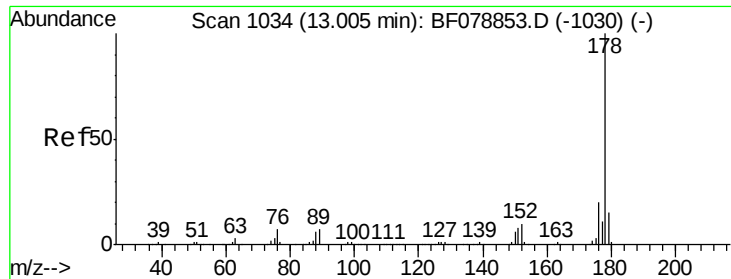


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

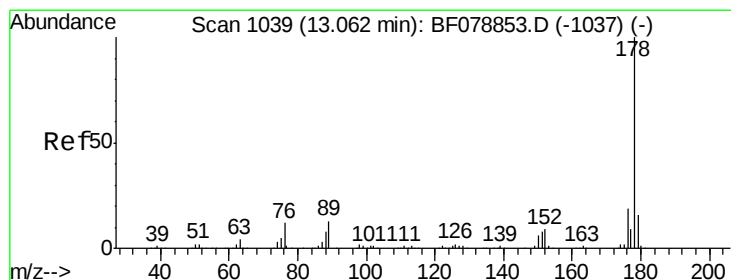
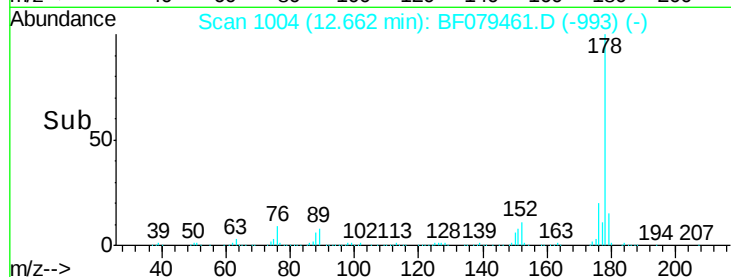
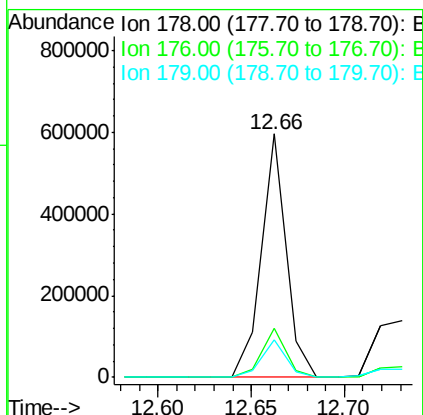
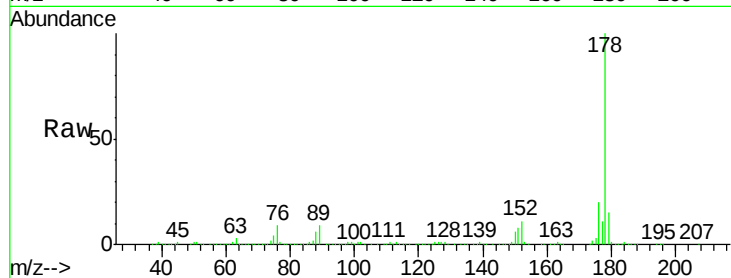




#70
Phenanthrene
Concen: 38.65 ng
RT: 12.66 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BF079461.D
Acq: 23 May 2015 7:26

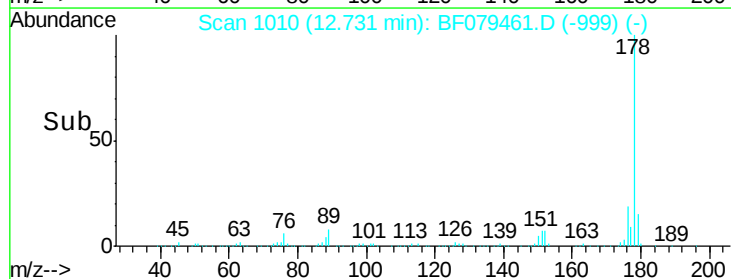
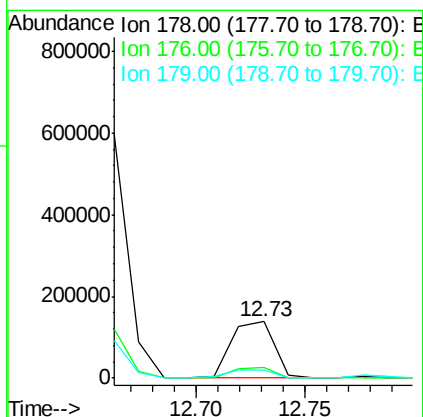
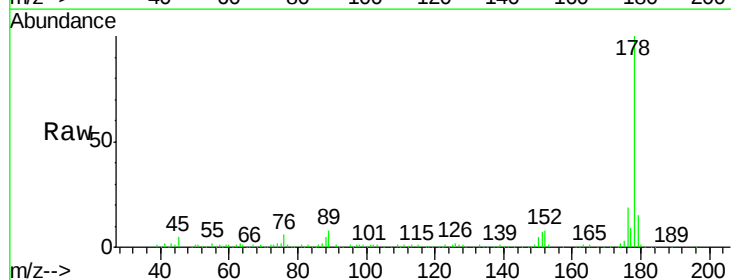
Instrument :
BNA_F
ClientSampleId :
SB-32D

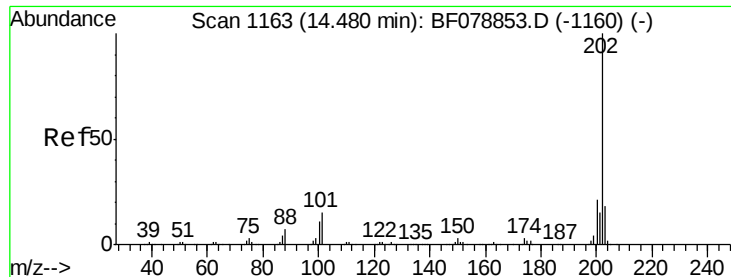
Tgt Ion:178 Resp: 549338
Ion Ratio Lower Upper
178 100
176 20.0 15.9 23.9
179 15.5 12.2 18.4



#71
Anthracene
Concen: 13.29 ng
RT: 12.73 min Scan# 1010
Delta R.T. -0.00 min
Lab File: BF079461.D
Acq: 23 May 2015 7:26

Tgt Ion:178 Resp: 185337
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.5 12.6 19.0





#74

Fluoranthene

Concen: 45.80 ng

RT: 14.14 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BF079461.D

Acq: 23 May 2015 7:26

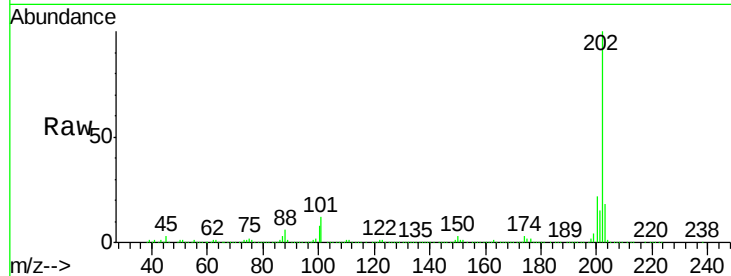
Instrument :

BNA_F

ClientSampleId :

SB-32D

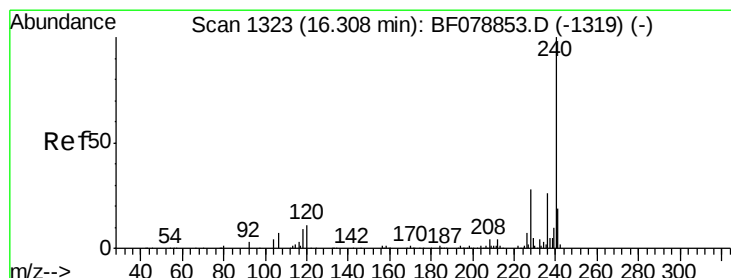
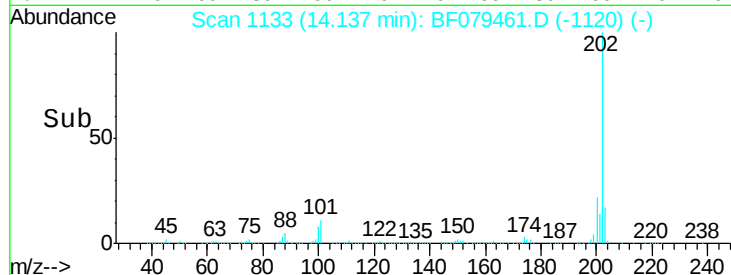
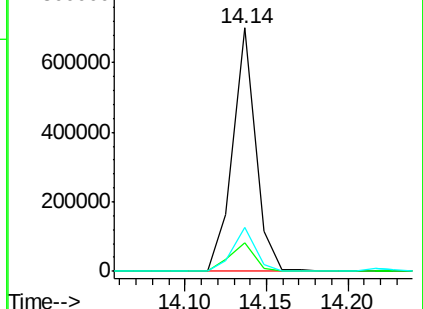
Tgt Ion:	202	Resp:	678227
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	34.7
203	17.8	0.0	37.9



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

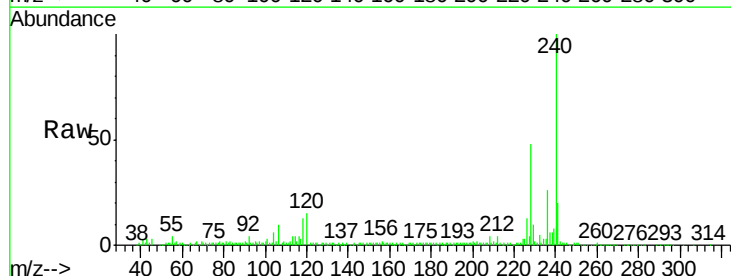
RT: 15.92 min Scan# 1289

Delta R.T. 0.01 min

Lab File: BF079461.D

Acq: 23 May 2015 7:26

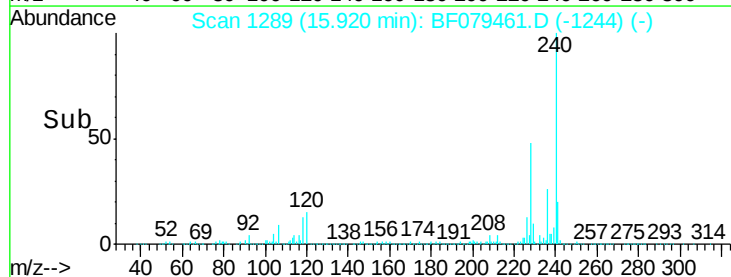
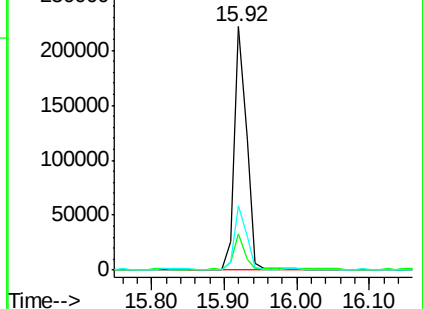
Tgt Ion:	240	Resp:	258683
Ion Ratio	Lower	Upper	
240	100		
120	15.0	8.6	12.8#
236	26.5	21.0	31.6

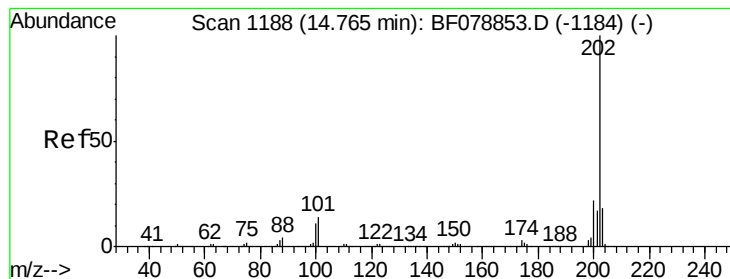


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 39.64 ng

RT: 14.41 min Scan# 1157

Delta R.T. -0.00 min

Lab File: BF079461.D

Acq: 23 May 2015 7:26

Instrument :

BNA_F

ClientSampleId :

SB-32D

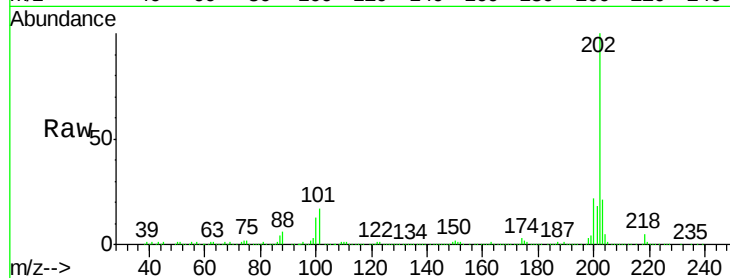
Tgt Ion:202 Resp: 590919

Ion Ratio Lower Upper

202 100

200 21.8 17.5 26.3

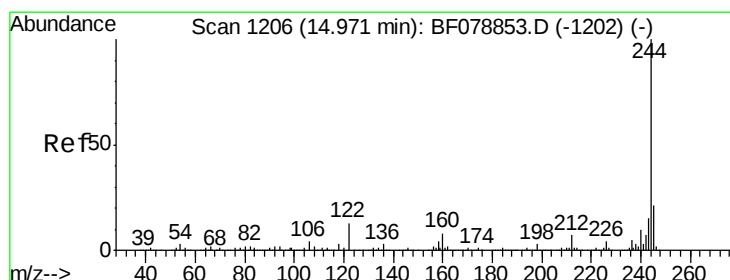
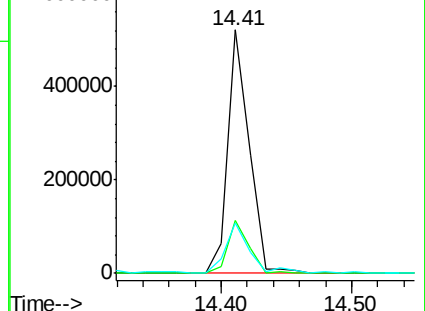
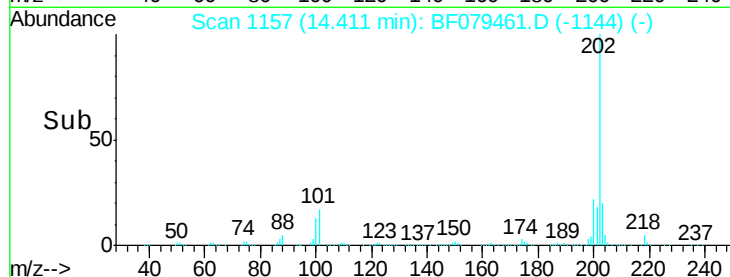
203 20.7 14.7 22.1



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: 11.75 ng

RT: 14.63 min Scan# 1176

Delta R.T. -0.00 min

Lab File: BF079461.D

Acq: 23 May 2015 7:26

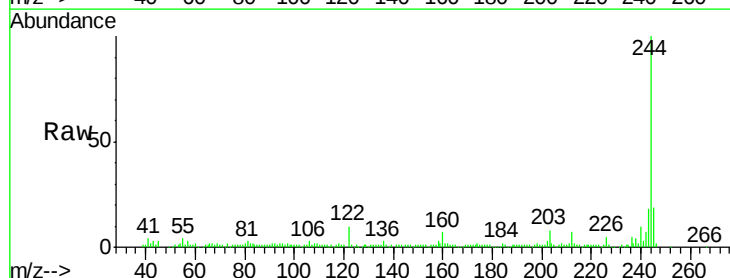
Tgt Ion:244 Resp: 126986

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

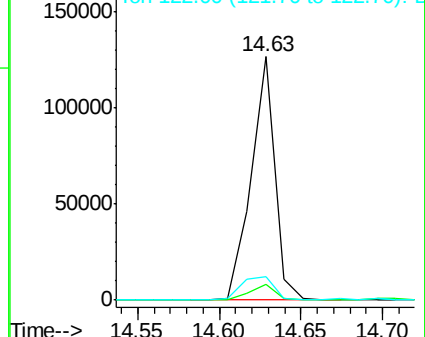
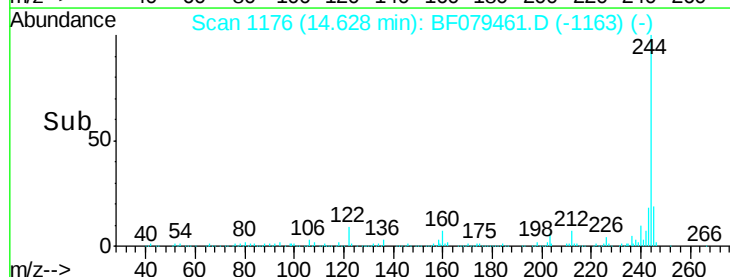
122 9.5 10.5 15.7#

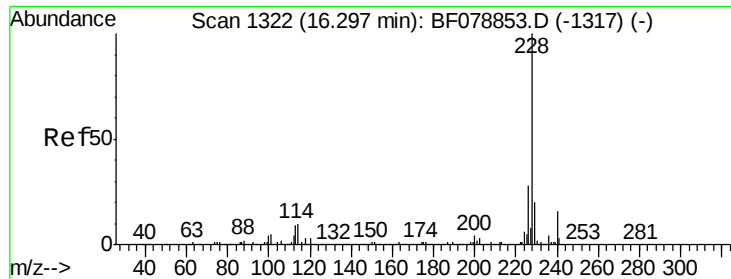


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 19.25 ng

RT: 15.91 min Scan# 1288

Delta R.T. 0.01 min

Lab File: BF079461.D

Acq: 23 May 2015 7:26

Instrument :

BNA_F

ClientSampleId :

SB-32D

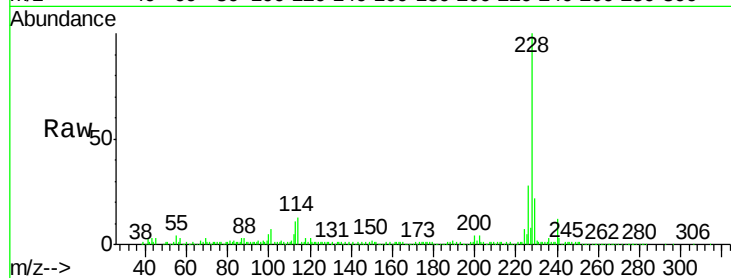
Tgt Ion:228 Resp: 272629

Ion Ratio Lower Upper

228 100

226 28.4 22.3 33.5

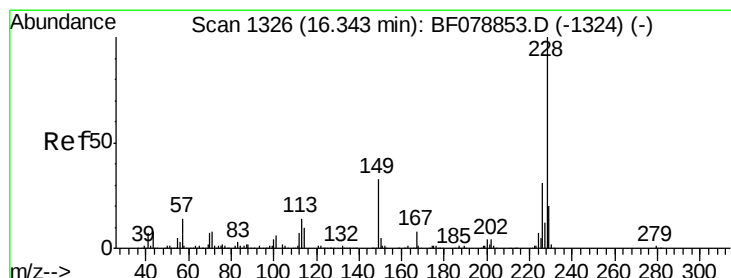
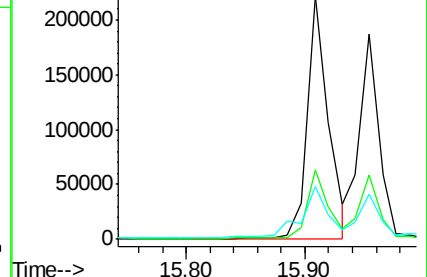
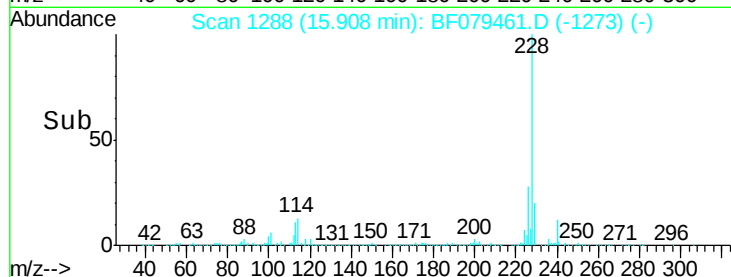
229 21.5 16.1 24.1



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: 15.48 ng

RT: 15.95 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BF079461.D

Acq: 23 May 2015 7:26

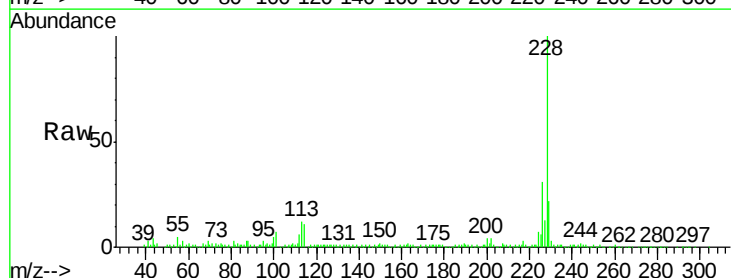
Tgt Ion:228 Resp: 210922

Ion Ratio Lower Upper

228 100

226 31.5 24.8 37.2

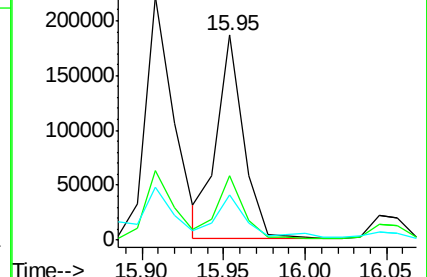
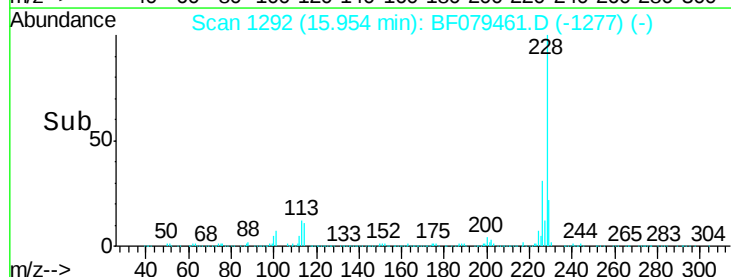
229 22.3 16.1 24.1

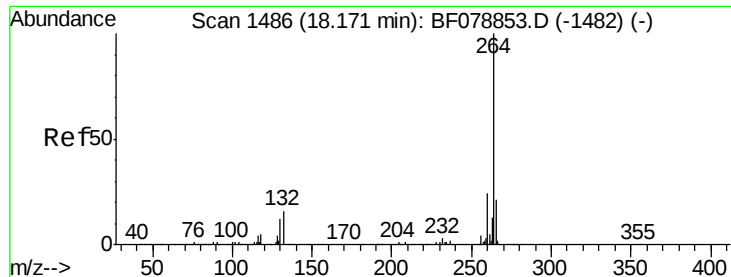


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

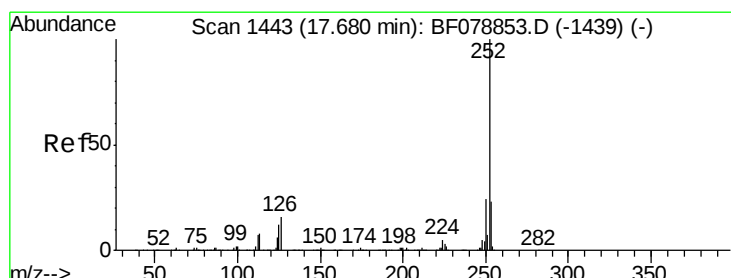
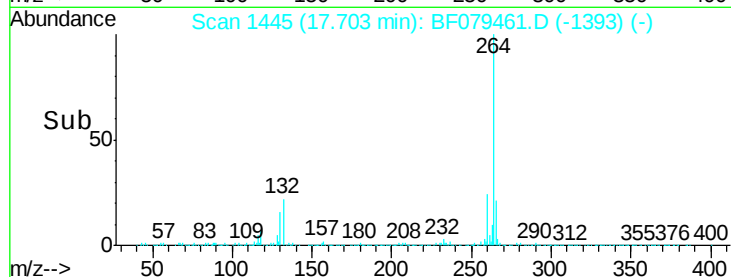
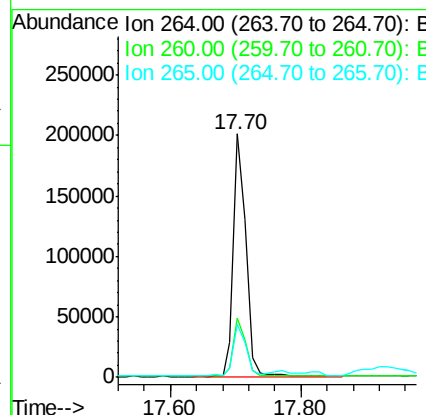
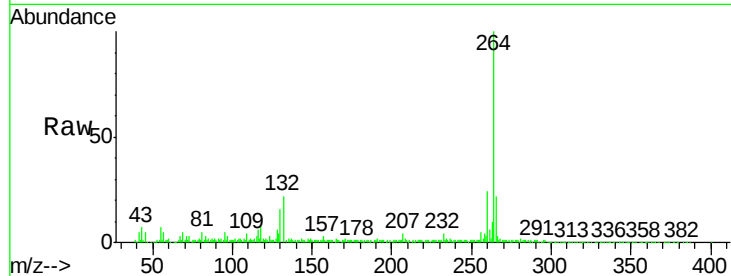




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.70 min Scan# 1445
 Delta R.T. 0.09 min
 Lab File: BF079461.D
 Acq: 23 May 2015 7:26

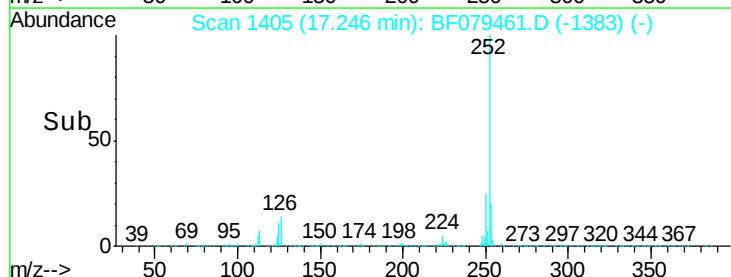
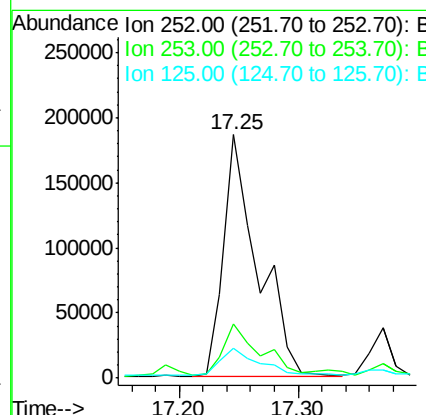
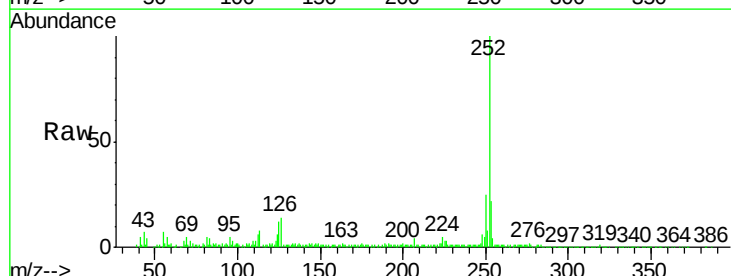
Instrument :
 BNA_F
 ClientSampled :
 SB-32D

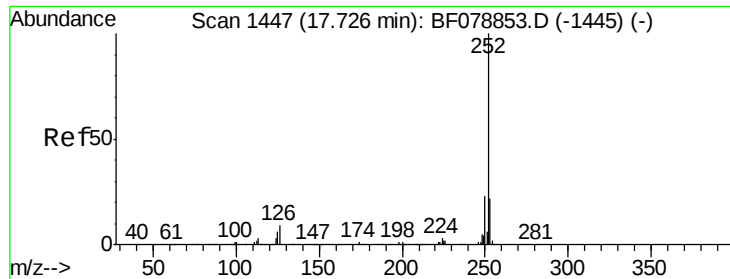
Tgt Ion: 264 Resp: 266479
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 21.9 17.2 25.8



#87
 Benzo(b)fluoranthene
 Concen: 25.75 ng
 RT: 17.25 min Scan# 1405
 Delta R.T. 0.07 min
 Lab File: BF079461.D
 Acq: 23 May 2015 7:26

Tgt Ion: 252 Resp: 375570
 Ion Ratio Lower Upper
 252 100
 253 22.4 18.1 27.1
 125 12.1 9.4 14.2

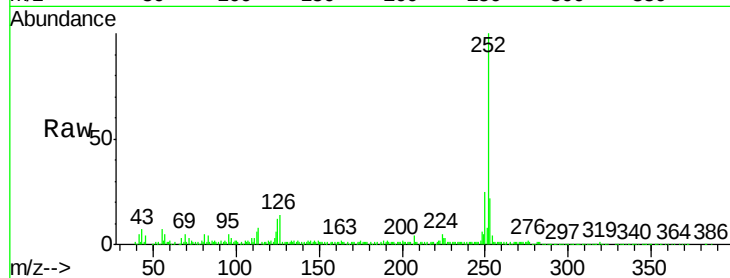




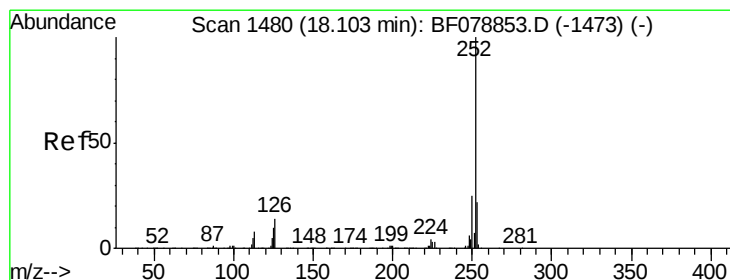
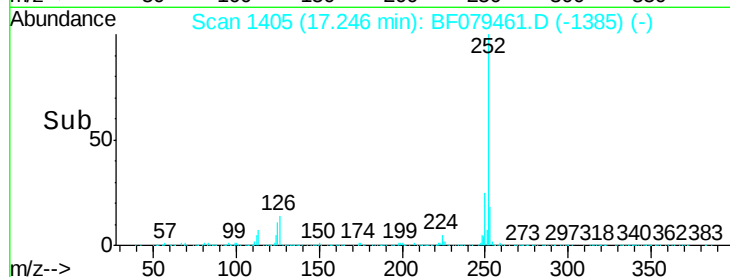
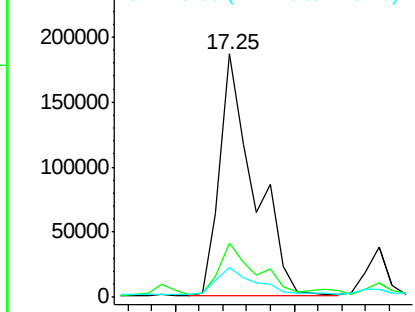
#88
Benzo(k)fluoranthene
Concen: 26.60 ng
RT: 17.25 min Scan# 1405
Delta R.T. 0.05 min
Lab File: BF079461.D
Acq: 23 May 2015 7:26

Instrument :
BNA_F
ClientSampleId :
SB-32D

Tgt Ion:252 Resp: 375570
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 12.1 6.1 9.1#

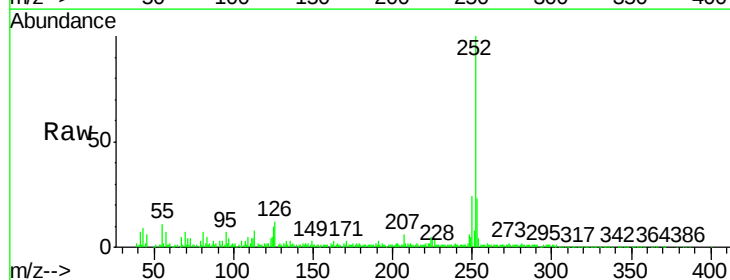


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

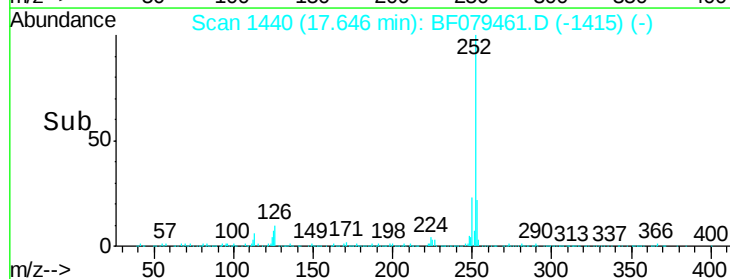
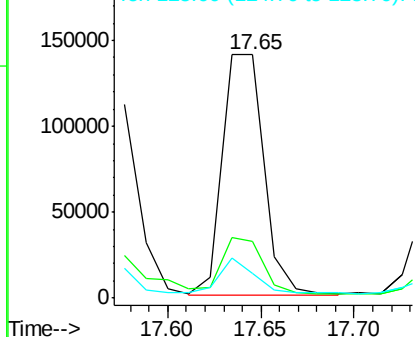


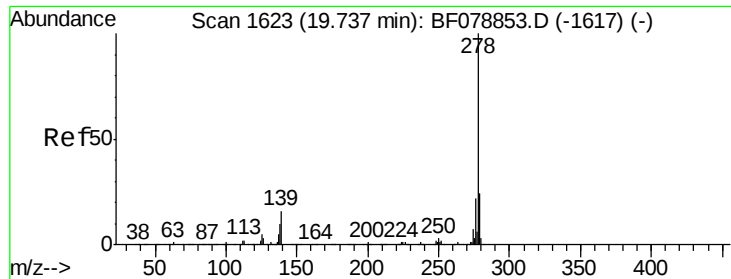
#89
Benzo(a)pyrene
Concen: 16.24 ng
RT: 17.65 min Scan# 1440
Delta R.T. 0.10 min
Lab File: BF079461.D
Acq: 23 May 2015 7:26

Tgt Ion:252 Resp: 218088
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 10.1 8.2 12.2



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





#90

Dibenzo(a,h)anthracene

Concen: 2.37 ng

RT: 19.09 min Scan# 1566

Delta R.T. 0.13 min

Lab File: BF079461.D

Acq: 23 May 2015 7:26

Instrument :

BNA_F

ClientSampleId :

SB-32D

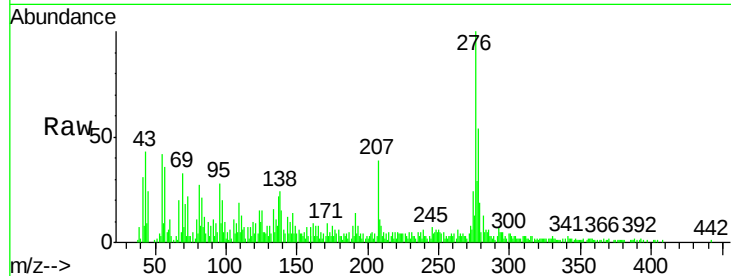
Tgt Ion: 278 Resp: 33836

Ion Ratio Lower Upper

278 100

139 28.6 13.1 19.7#

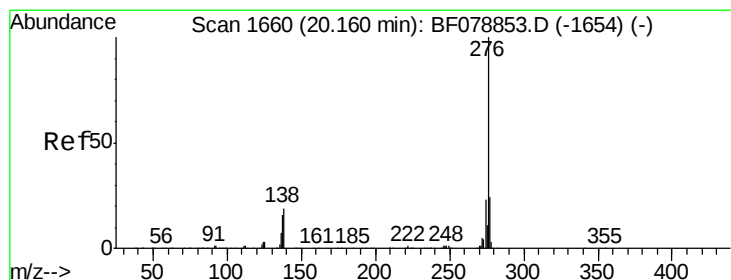
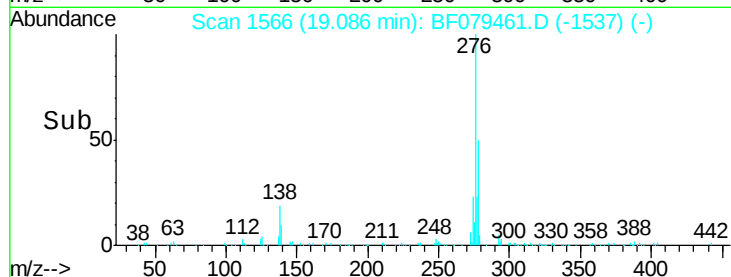
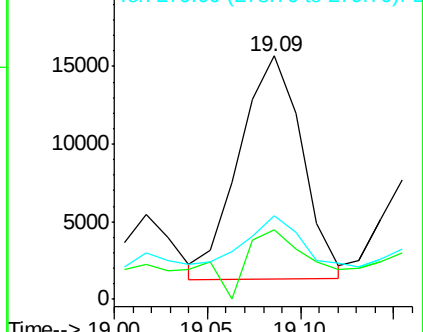
279 34.5 19.1 28.7#



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: 9.46 ng

RT: 19.46 min Scan# 1599

Delta R.T. 0.14 min

Lab File: BF079461.D

Acq: 23 May 2015 7:26

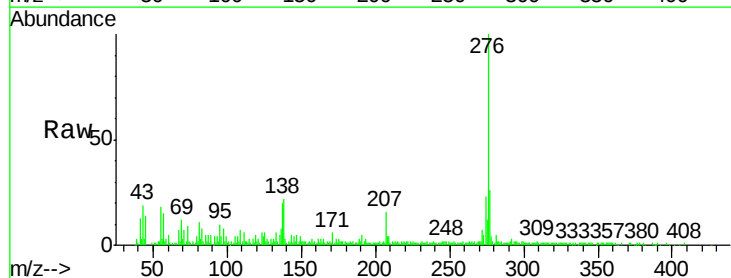
Tgt Ion: 276 Resp: 135306

Ion Ratio Lower Upper

276 100

277 25.7 18.8 28.2

138 21.7 15.2 22.8



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

