

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
 Data File : BF079532.D
 Acq On : 27 May 2015 21:54
 Operator : TP/IZ
 Sample : G2359-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-28D

Quant Time: May 28 00:58:39 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 00:48:25 2015
 Response via : Initial Calibration

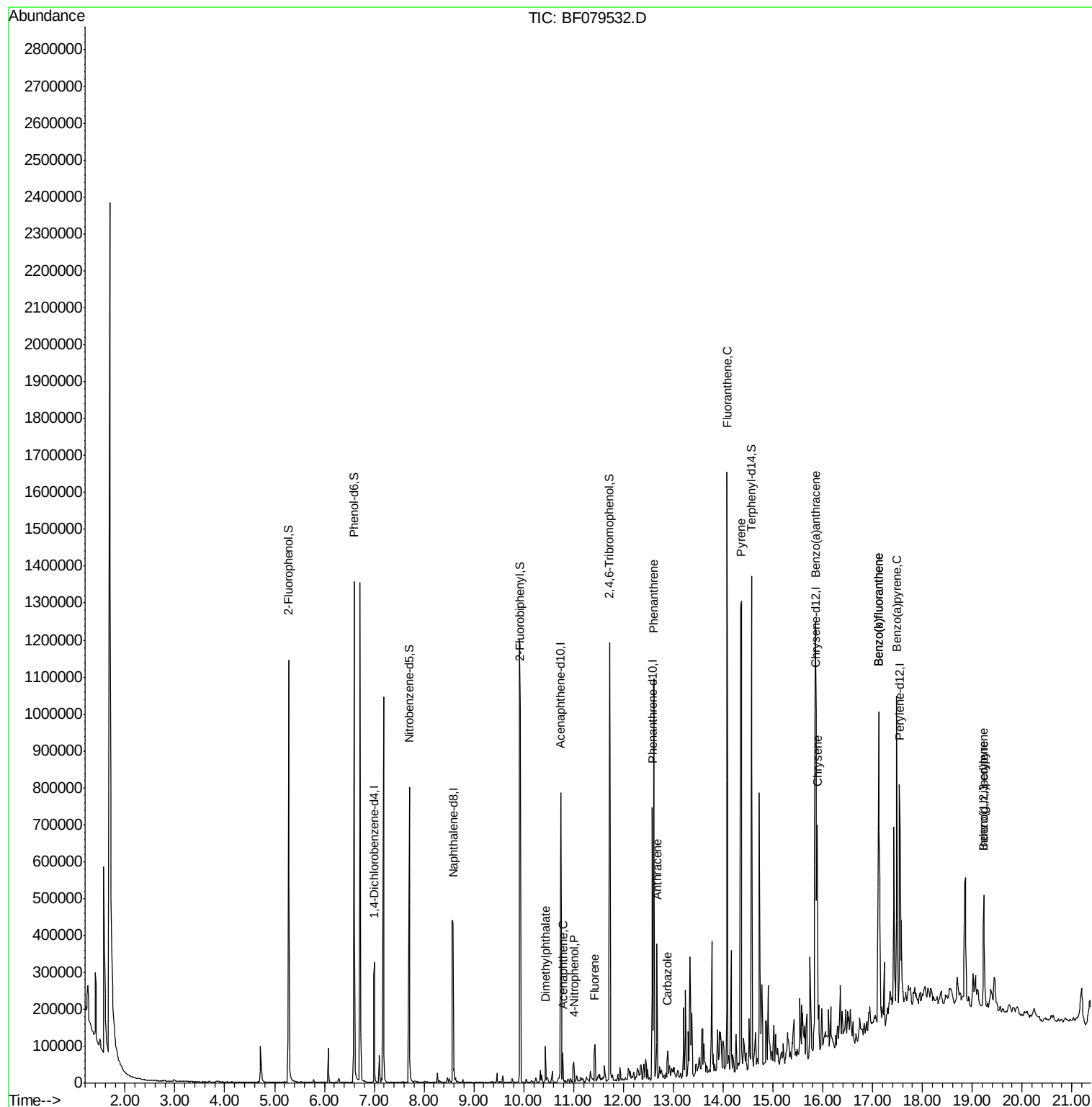
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	75328	20.00	ng	0.00
21) Naphthalene-d8	8.58	136	311234	20.00	ng	0.00
38) Acenaphthene-d10	10.74	164	154334	20.00	ng	0.00
63) Phenanthrene-d10	12.58	188	286661	20.00	ng	0.00
75) Chrysene-d12	15.86	240	307351	20.00	ng	-0.08
86) Perylene-d12	17.54	264	325937	20.00	ng	-0.34
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	369136	85.00	ng	0.00
7) Phenol-d6	6.59	99	514284	92.90	ng	0.00
23) Nitrobenzene-d5	7.70	82	299147	55.56	ng	0.00
41) 2,4,6-Tribromophenol	11.73	330	152564	90.00	ng	-0.01
44) 2-Fluorobiphenyl	9.93	172	548784	50.73	ng	0.00
78) Terphenyl-d14	14.57	244	546692	41.74	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	10.43	163	41515	3.65	ng	99
51) Acenaphthene	10.79	154	27898	3.09	ng	97
55) 4-Nitrophenol	11.00	139	8960	5.47	ng	# 12
57) Fluorene	11.43	166	36390	3.31	ng	98
70) Phenanthrene	12.61	178	516918	32.87	ng	99
71) Anthracene	12.67	178	149698	9.38	ng	100
72) Carbazole	12.89	167	36601	2.38	ng	98
73) Di-n-butylphthalate	13.34	149	4630	Below Cal	#	34
74) Fluoranthene	14.08	202	772168	45.79	ng	93
77) Pyrene	14.37	202	723222	37.98	ng	99
80) Benzo(a)anthracene	15.85	228	472073	26.70	ng	99
82) Chrysene	15.90	228	318664	18.96	ng	98
85) Indeno(1,2,3-cd)pyrene	19.23	276	239244	11.07	ng	96
87) Benzo(b)fluoranthene	17.12	252	658833	35.44	ng	97
88) Benzo(k)fluoranthene	17.12	252	660105	39.71	ng	# 95
89) Benzo(a)pyrene	17.49	252	381262	22.42	ng	99
91) Benzo(g,h,i)perylene	19.23	276	239244	12.62	ng	96

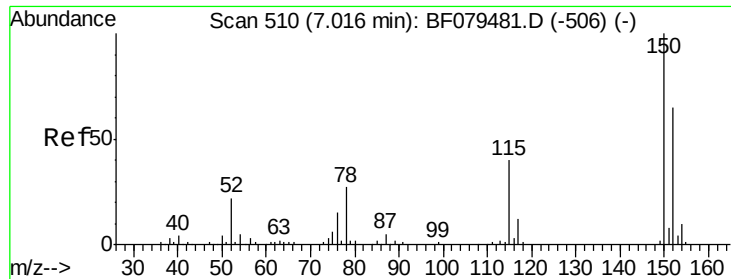
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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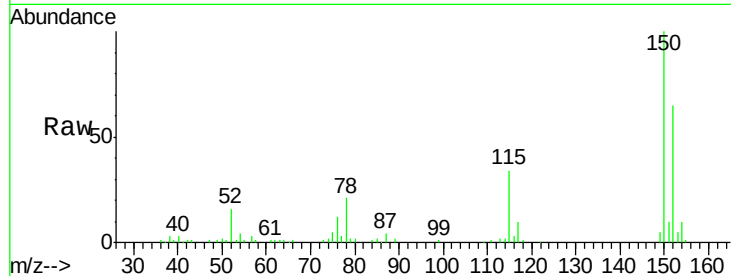


#1

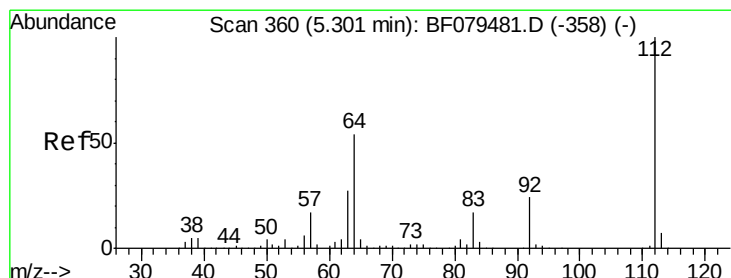
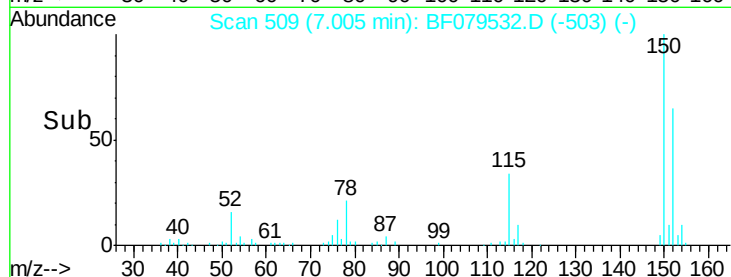
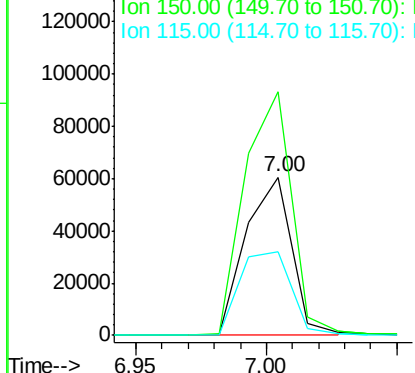
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.00 min Scan# 509
Delta R.T. -0.00 min
Lab File: BF079532.D
Acq: 27 May 2015 21:54

Instrument :
BNA_F
ClientSampleId :
SB-28D

Tgt Ion:152 Resp: 75328
Ion Ratio Lower Upper
152 100
150 154.1 124.0 186.0
115 52.7 49.6 74.4



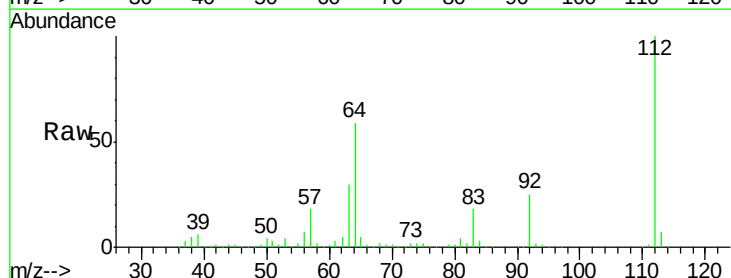
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



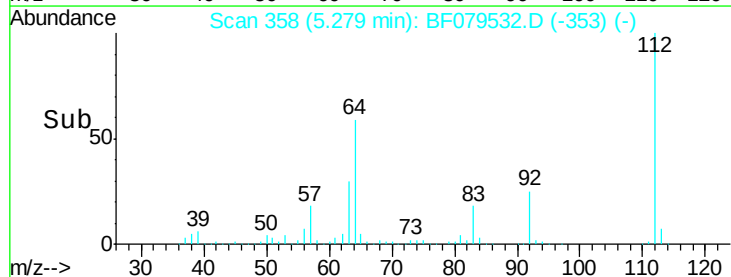
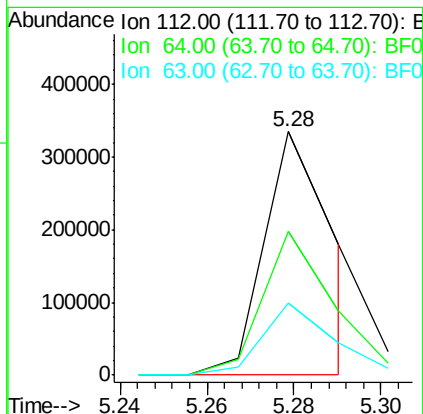
#5

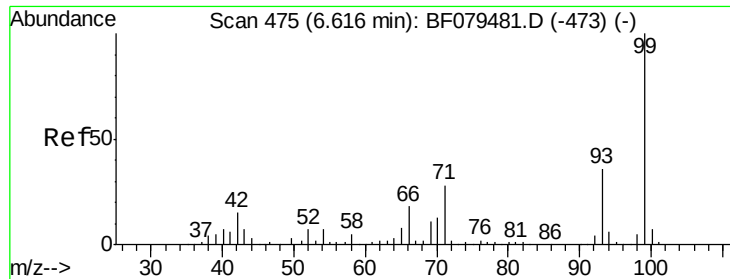
2-Fluorophenol
Concen: 85.00 ng
RT: 5.28 min Scan# 358
Delta R.T. -0.00 min
Lab File: BF079532.D
Acq: 27 May 2015 21:54

Tgt Ion:112 Resp: 369136
Ion Ratio Lower Upper
112 100
64 59.2 43.5 65.3
63 29.9 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: 92.90 ng

RT: 6.59 min Scan# 473

Delta R.T. -0.00 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

Instrument :

BNA_F

ClientSampleId :

SB-28D

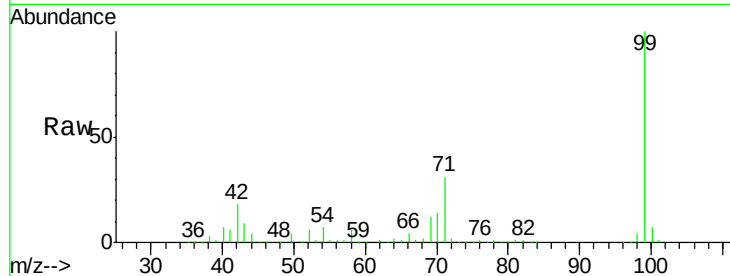
Tgt Ion: 99 Resp: 514284

Ion Ratio Lower Upper

99 100

42 17.5 11.9 17.9

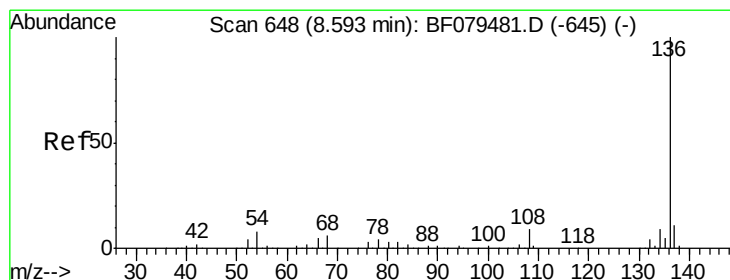
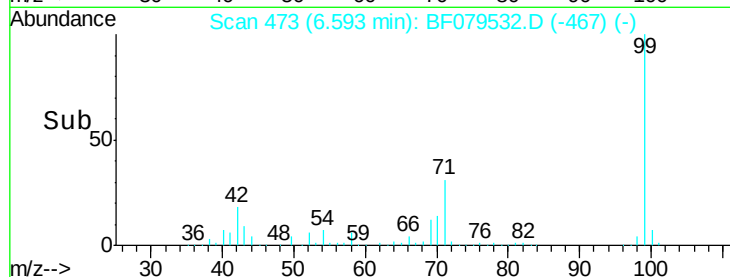
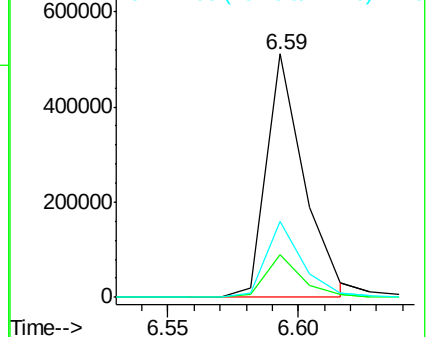
71 31.3 22.1 33.1



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: 8.58 min Scan# 647

Delta R.T. -0.00 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

Tgt Ion: 136 Resp: 311234

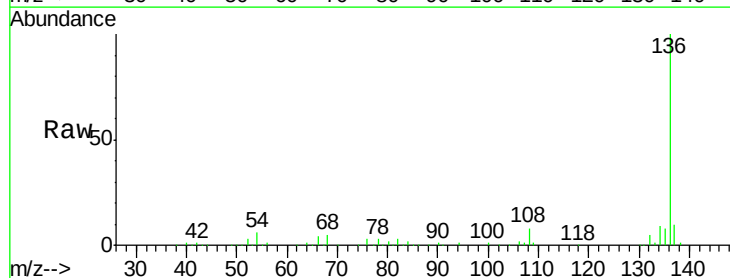
Ion Ratio Lower Upper

136 100

137 10.2 8.5 12.7

54 5.7 6.6 9.8#

68 4.9 4.7 7.1

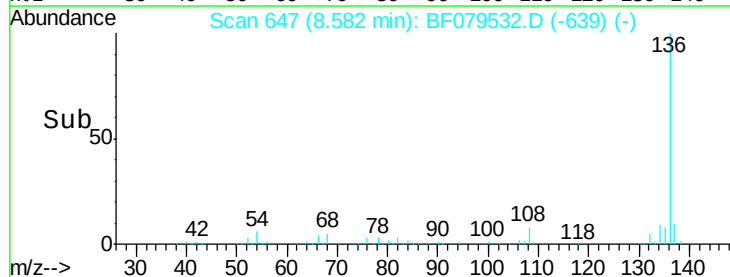
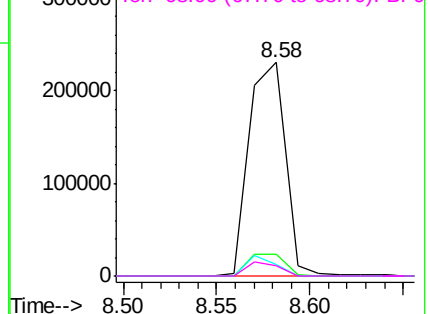


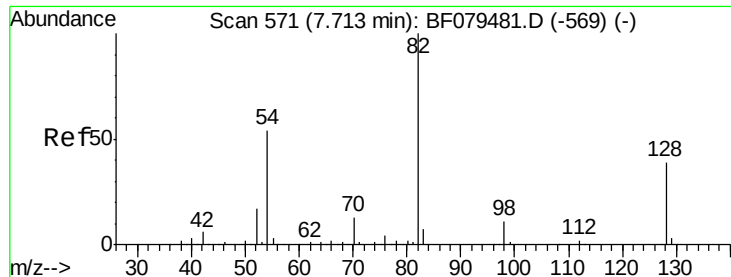
Abundance Ion 136.00 (135.70 to 136.70): E

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

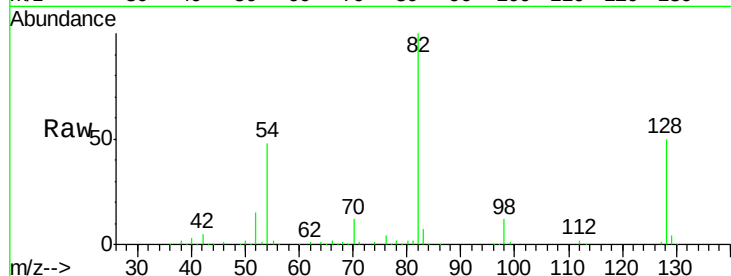




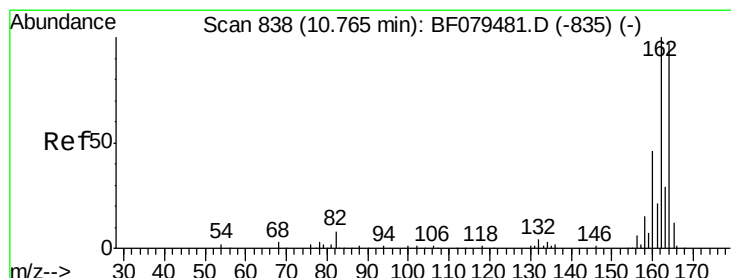
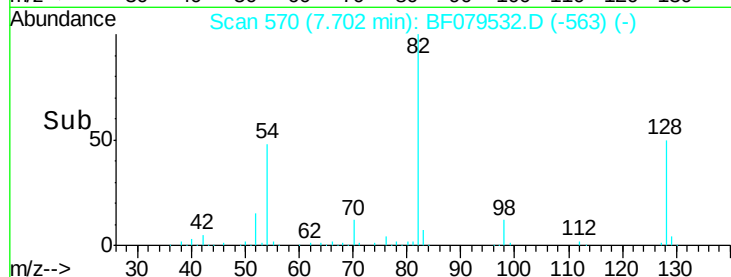
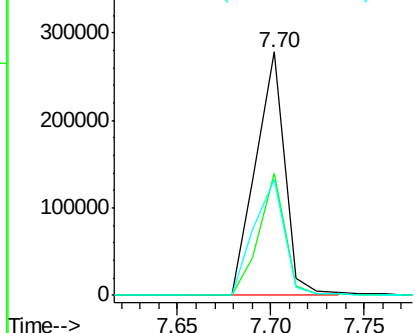
#23
 Nitrobenzene-d5
 Concen: 55.56 ng
 RT: 7.70 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: BF079532.D
 Acq: 27 May 2015 21:54

Instrument :
 BNA_F
 ClientSampleID :
 SB-28D

Tgt Ion	Ratio	Lower	Upper
82	100		
128	50.1	30.8	46.2
54	47.6	42.8	64.2

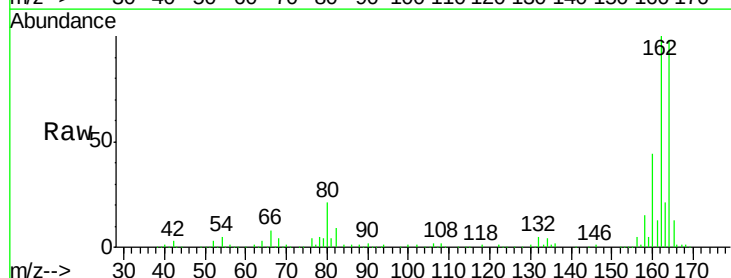


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

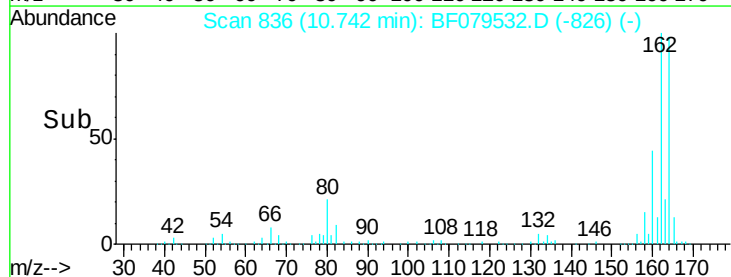
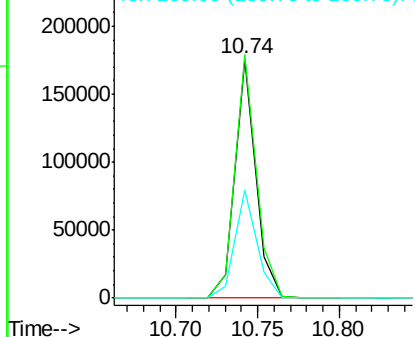


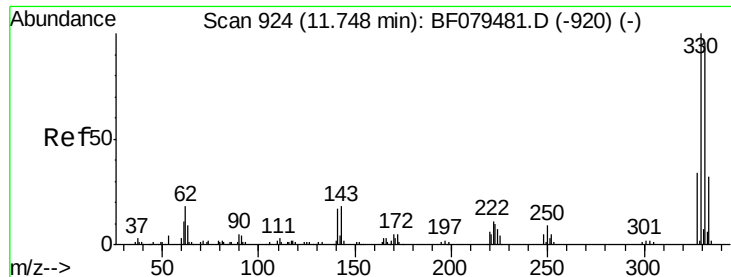
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.74 min Scan# 836
 Delta R.T. -0.00 min
 Lab File: BF079532.D
 Acq: 27 May 2015 21:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.6	124.0
160	45.2	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

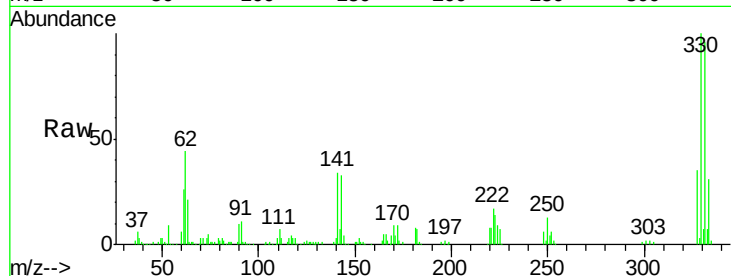




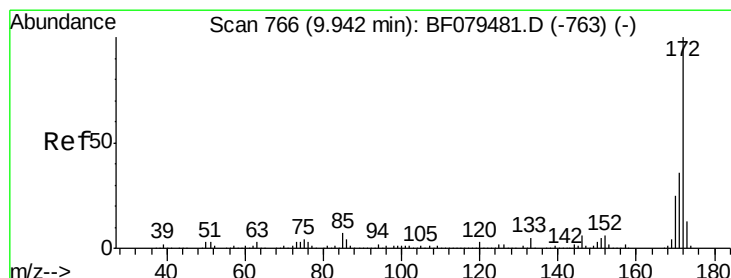
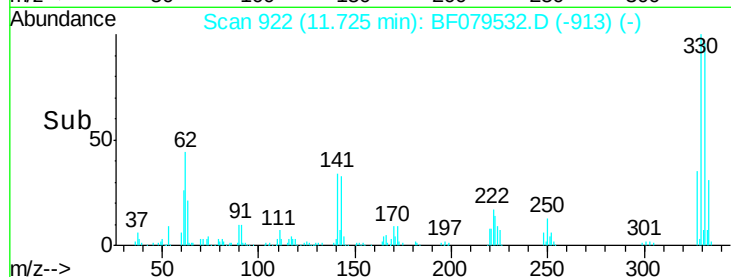
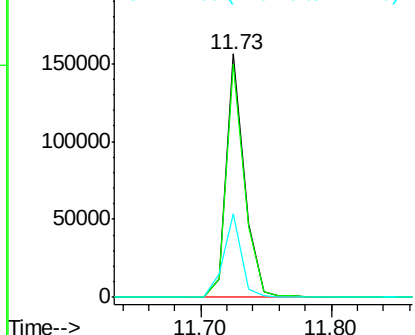
#41
 2,4,6-Tribromophenol
 Concen: 90.00 ng
 RT: 11.73 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF079532.D
 Acq: 27 May 2015 21:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-28D

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	0.0	0.0#
141	34.8	0.0	0.0#

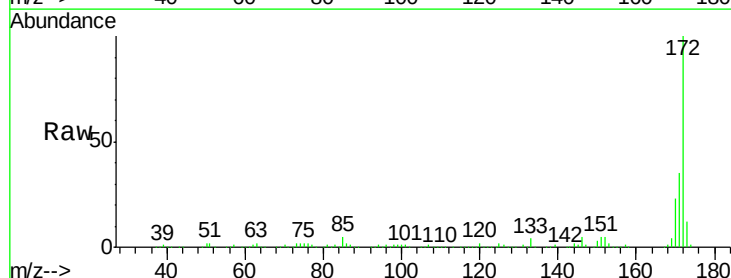


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

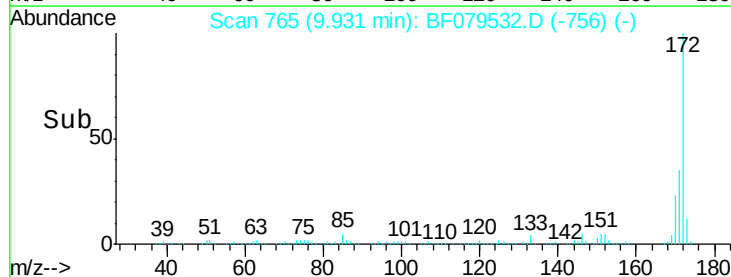
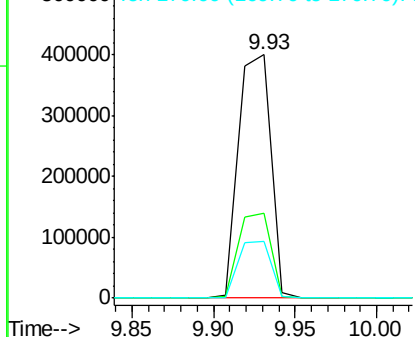


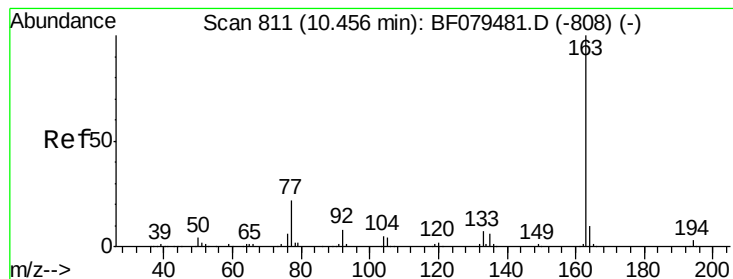
#44
 2-Fluorobiphenyl
 Concen: 50.73 ng
 RT: 9.93 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BF079532.D
 Acq: 27 May 2015 21:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.5	42.7
170	23.5	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





#49

Dimethylphthalate

Concen: 3.65 ng

RT: 10.43 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

Instrument :

BNA_F

ClientSampleId :

SB-28D

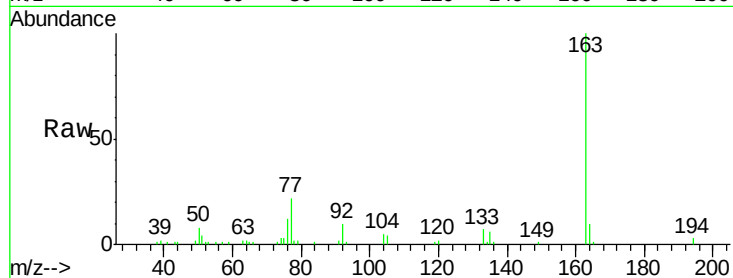
Tgt Ion:163 Resp: 41515

Ion Ratio Lower Upper

163 100

194 3.0 2.4 3.6

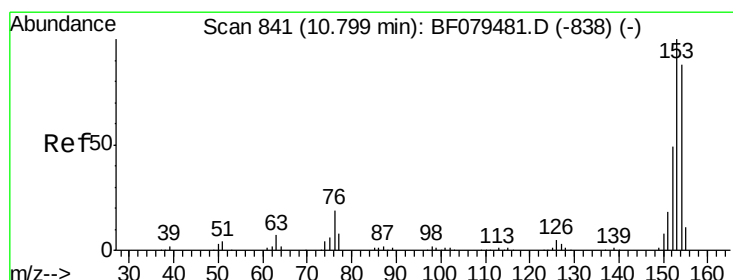
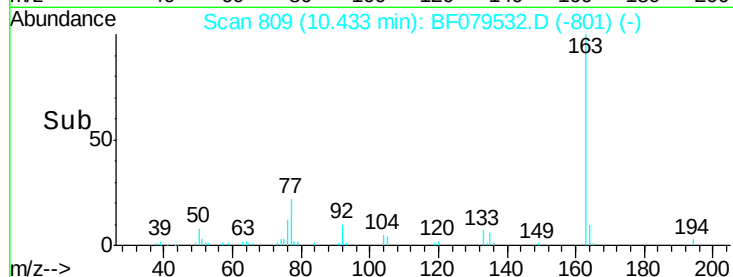
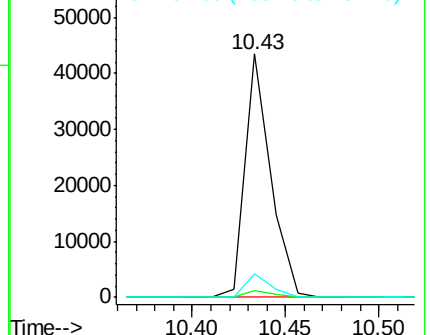
164 9.7 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 3.09 ng

RT: 10.79 min Scan# 840

Delta R.T. -0.00 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

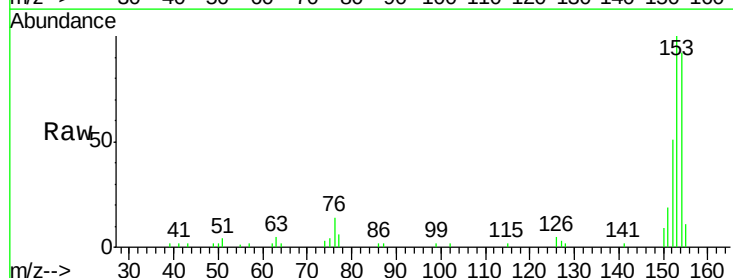
Tgt Ion:154 Resp: 27898

Ion Ratio Lower Upper

154 100

153 108.8 91.1 136.7

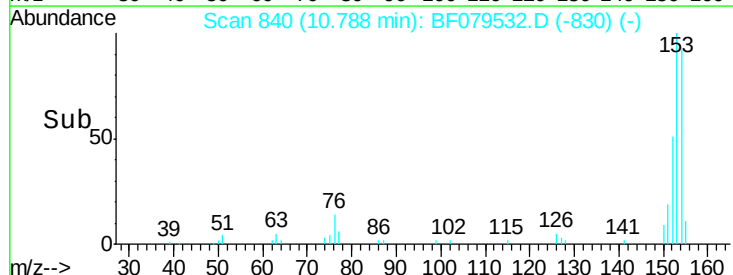
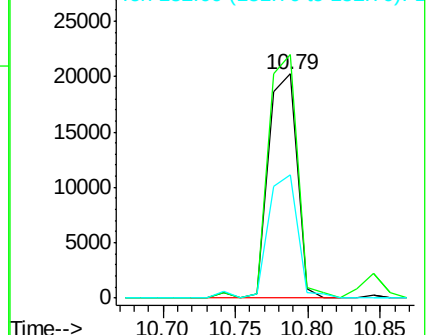
152 55.1 44.6 66.8

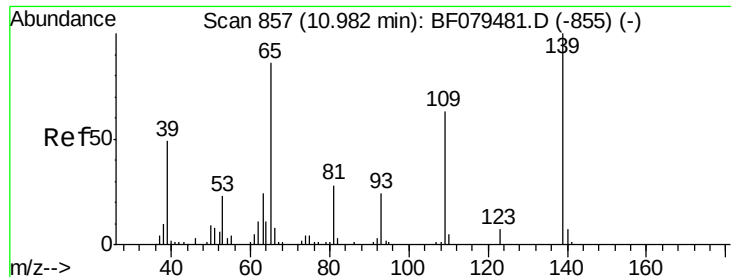


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

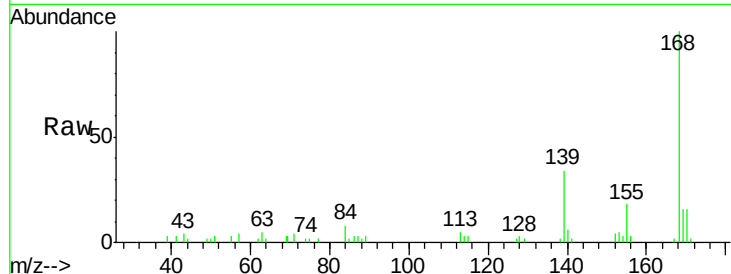




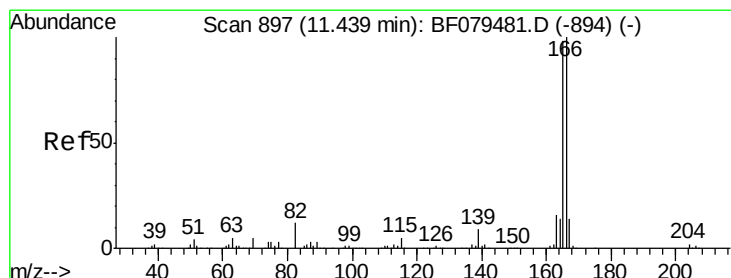
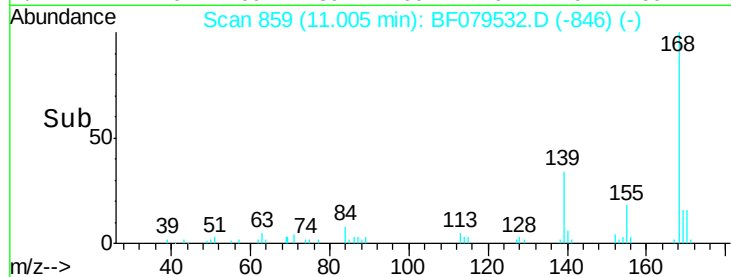
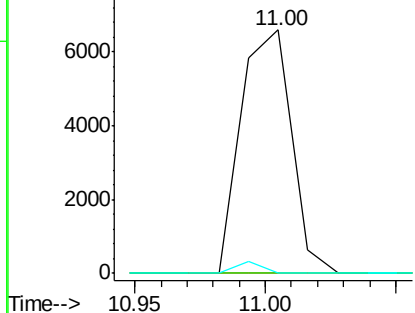
#55
4-Nitrophenol
Concen: 5.47 ng
RT: 11.00 min Scan# 859
Delta R.T. 0.03 min
Lab File: BF079532.D
Acq: 27 May 2015 21:54

Instrument :
BNA_F
ClientSampleId :
SB-28D

Tgt Ion:139 Resp: 8960
Ion Ratio Lower Upper
139 100
109 0.0 42.8 82.8#
65 0.0 66.3 106.3#

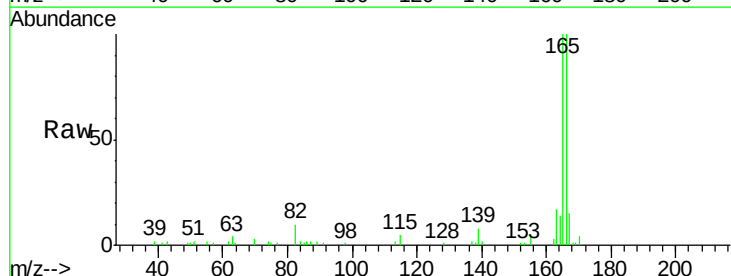


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

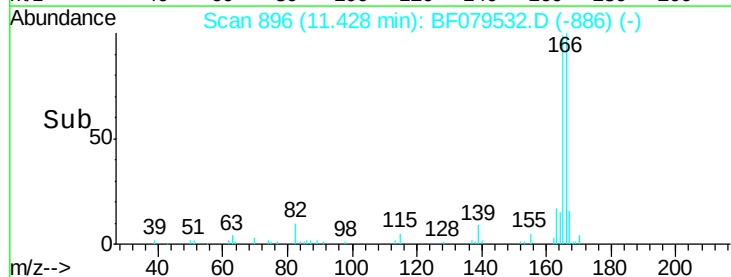
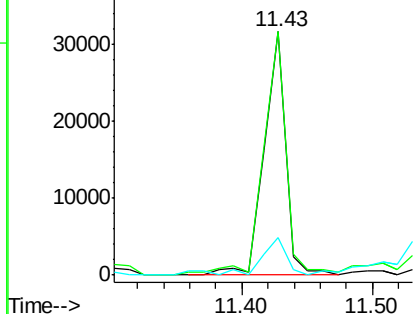


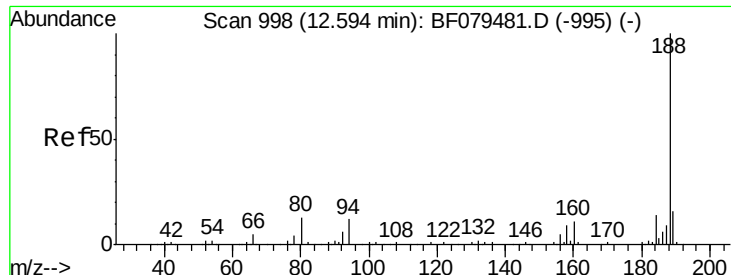
#57
Fluorene
Concen: 3.31 ng
RT: 11.43 min Scan# 896
Delta R.T. -0.00 min
Lab File: BF079532.D
Acq: 27 May 2015 21:54

Tgt Ion:166 Resp: 36390
Ion Ratio Lower Upper
166 100
165 100.1 78.6 117.8
167 15.4 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

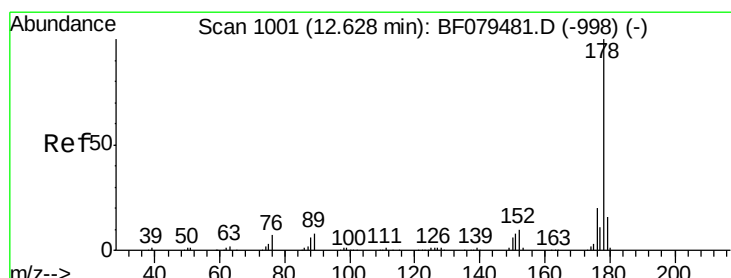
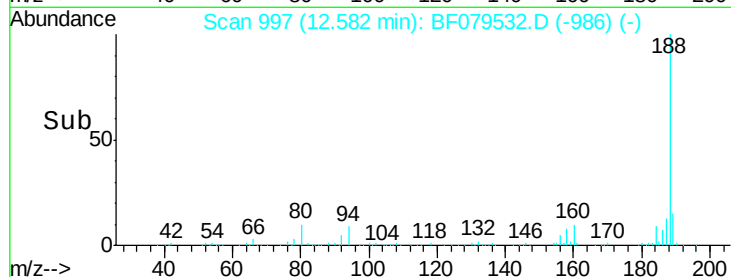
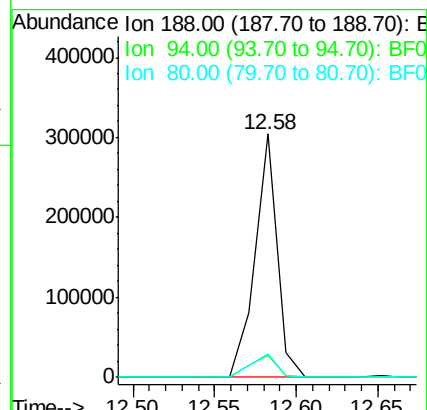
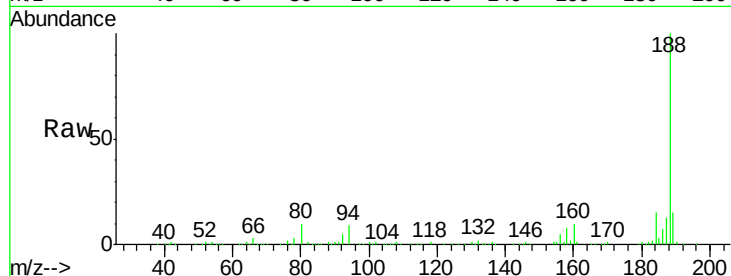




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.58 min Scan# 997
Delta R.T. -0.00 min
Lab File: BF079532.D
Acq: 27 May 2015 21:54

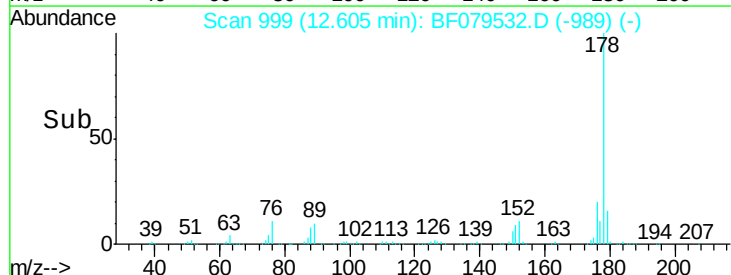
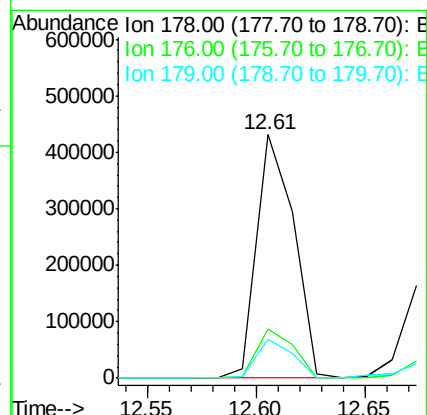
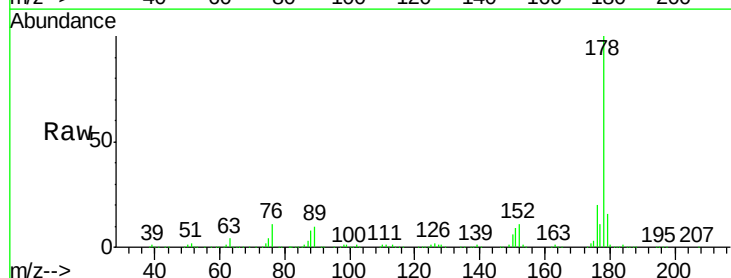
Instrument :
BNA_F
ClientSampleId :
SB-28D

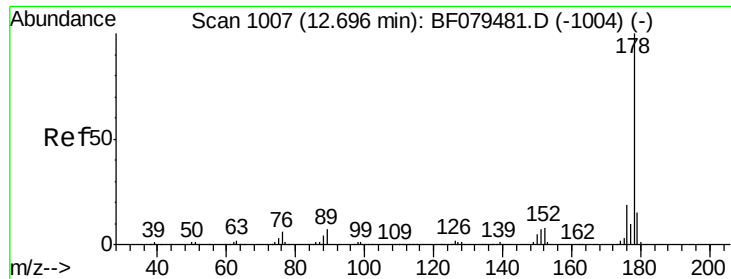
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	9.8	14.6#
80	9.6	10.5	15.7#



#70
Phenanthrene
Concen: 32.87 ng
RT: 12.61 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF079532.D
Acq: 27 May 2015 21:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.7	23.5
179	15.9	12.4	18.6





#71

Anthracene

Concen: 9.38 ng

RT: 12.67 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

Instrument :

BNA_F

ClientSampleId :

SB-28D

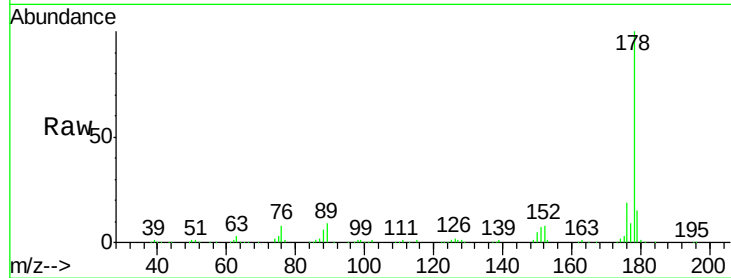
Tgt Ion:178 Resp: 149698

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

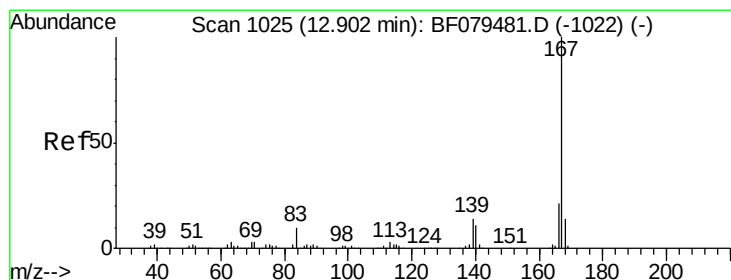
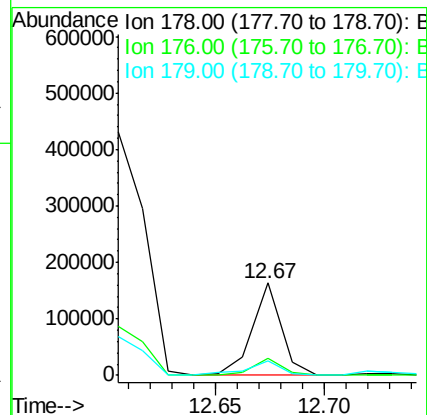
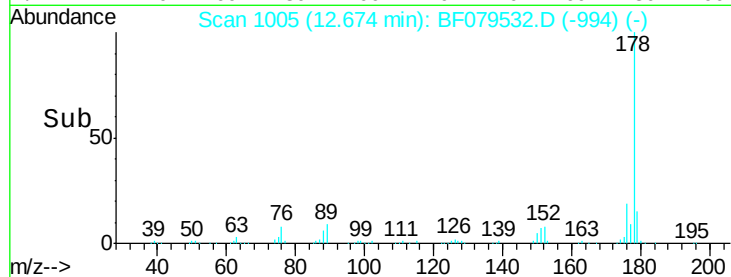
179 15.4 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 2.38 ng

RT: 12.89 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

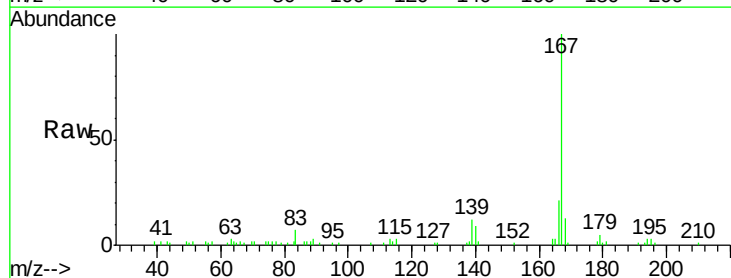
Tgt Ion:167 Resp: 36601

Ion Ratio Lower Upper

167 100

166 20.8 17.0 25.4

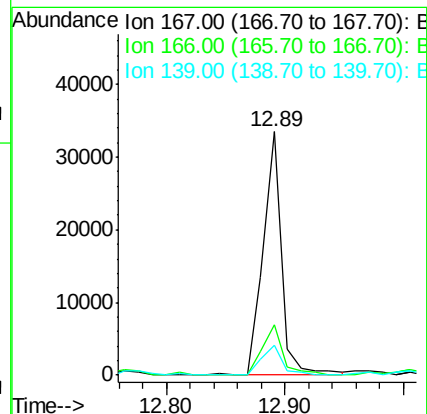
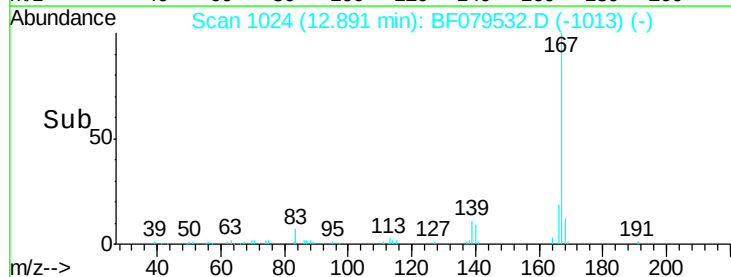
139 12.0 11.2 16.8

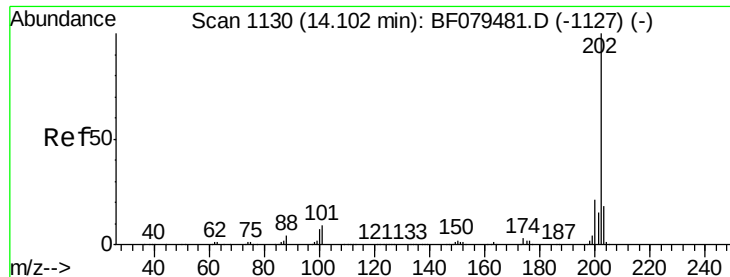


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 45.79 ng

RT: 14.08 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

Instrument :

BNA_F

ClientSampleId :

SB-28D

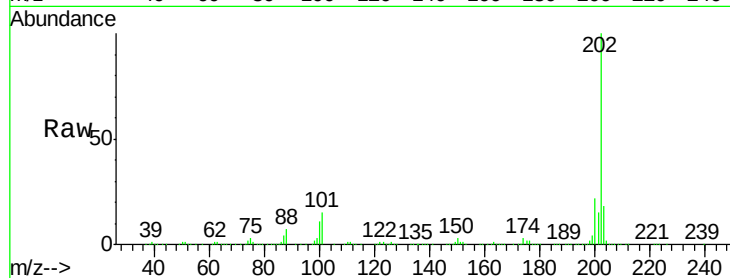
Tgt Ion:202 Resp: 772168

Ion Ratio Lower Upper

202 100

101 15.5 0.0 29.3

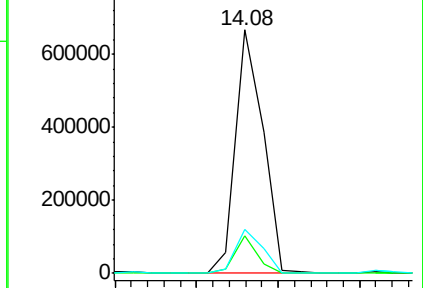
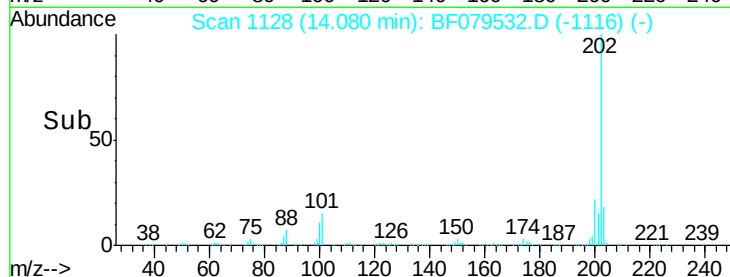
203 18.2 0.0 37.6



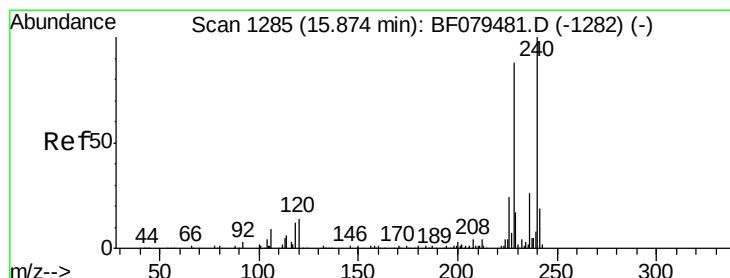
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 14.00 14.05 14.10 14.15



#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.86 min Scan# 1284

Delta R.T. -0.08 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

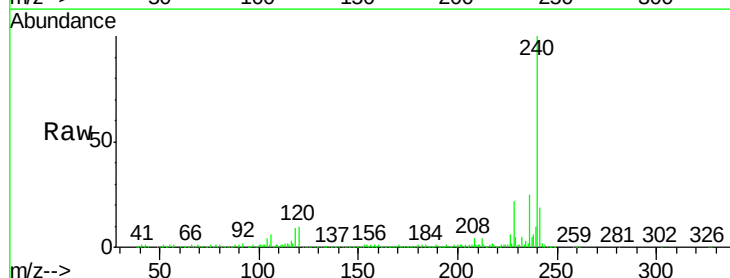
Tgt Ion:240 Resp: 307351

Ion Ratio Lower Upper

240 100

120 10.3 10.8 16.2#

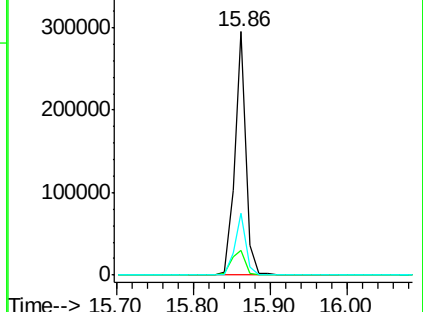
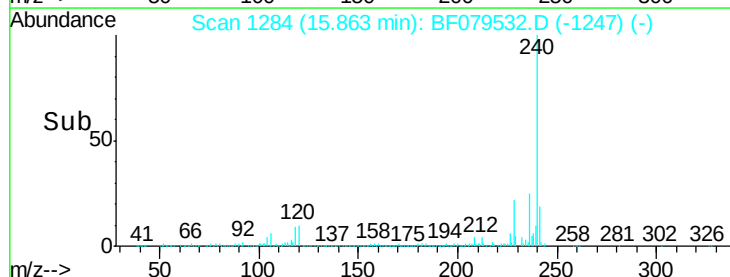
236 25.2 21.0 31.6

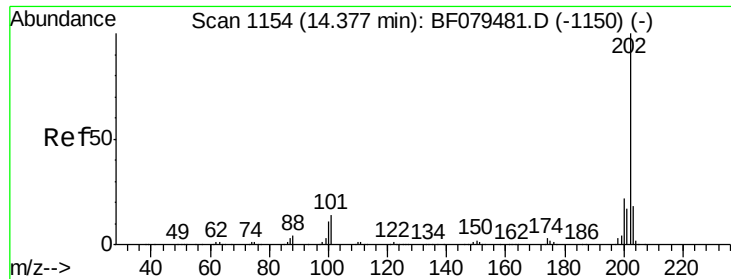


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 37.98 ng

RT: 14.37 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

Instrument :

BNA_F

ClientSampleId :

SB-28D

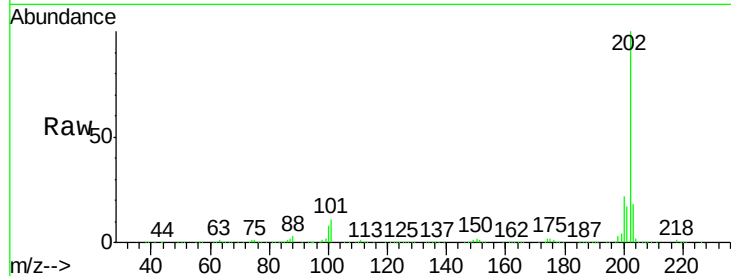
Tgt Ion: 202 Resp: 723222

Ion Ratio Lower Upper

202 100

200 21.7 17.5 26.3

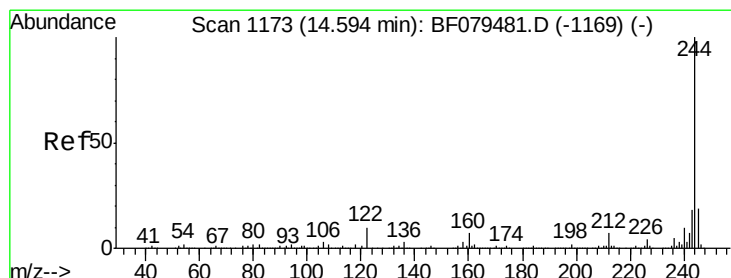
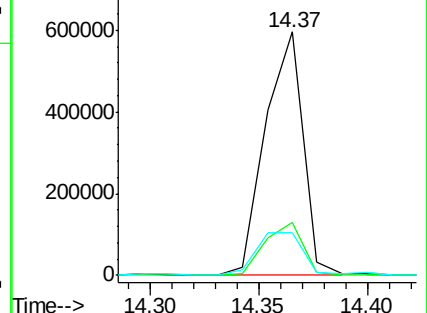
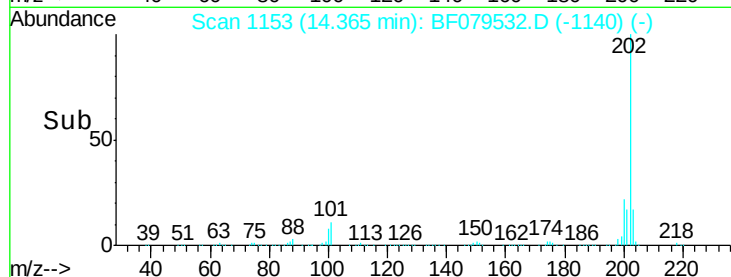
203 17.6 14.4 21.6



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: 41.74 ng

RT: 14.57 min Scan# 1171

Delta R.T. -0.02 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

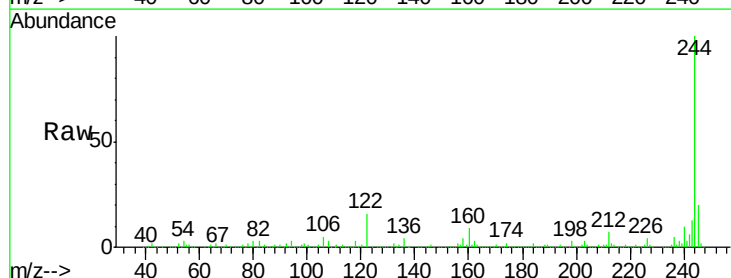
Tgt Ion: 244 Resp: 546692

Ion Ratio Lower Upper

244 100

212 7.2 5.2 7.8

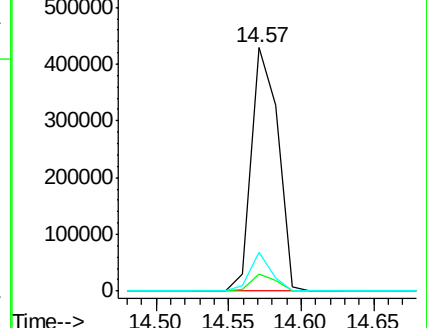
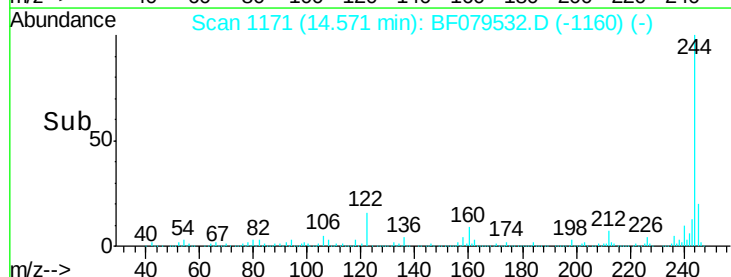
122 15.9 8.0 12.0#

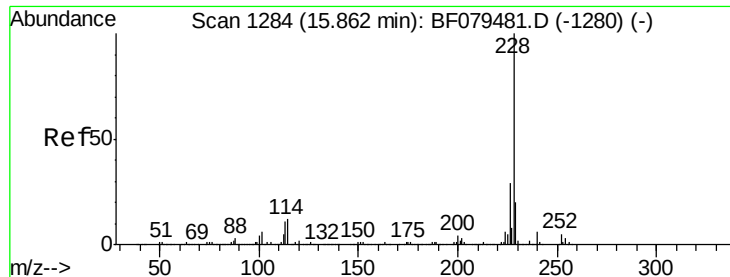


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 26.70 ng

RT: 15.85 min Scan# 1283

Delta R.T. -0.08 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

Instrument :

BNA_F

ClientSampleId :

SB-28D

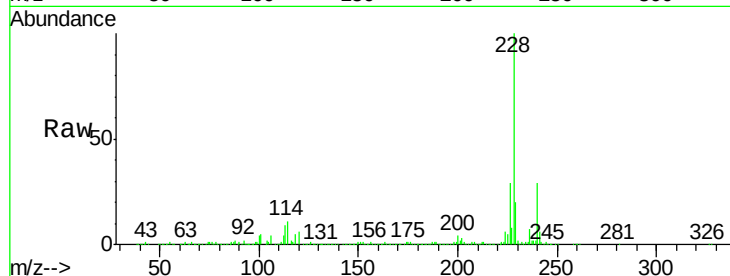
Tgt Ion:228 Resp: 472073

Ion Ratio Lower Upper

228 100

226 29.4 22.8 34.2

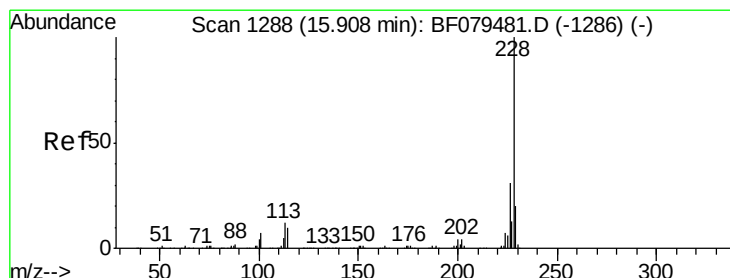
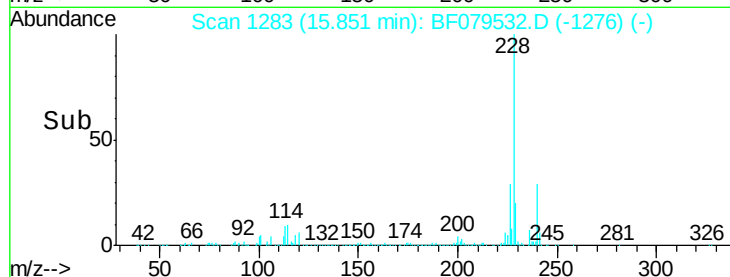
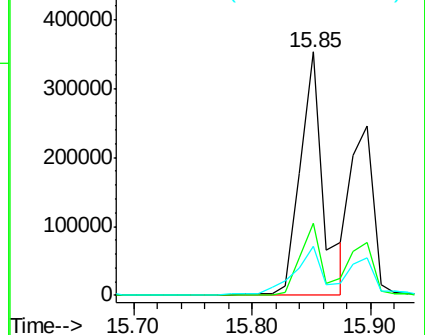
229 20.2 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 18.96 ng

RT: 15.90 min Scan# 1287

Delta R.T. -0.08 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

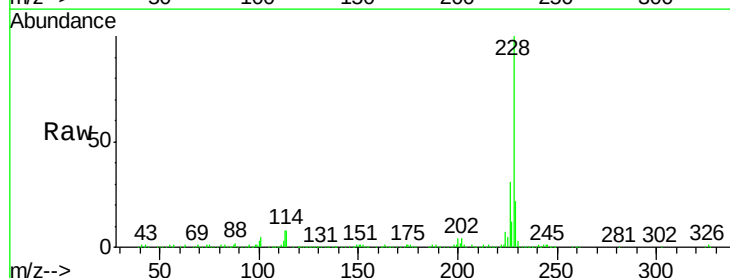
Tgt Ion:228 Resp: 318664

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.4

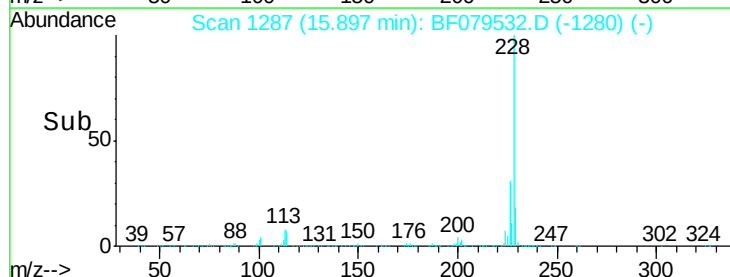
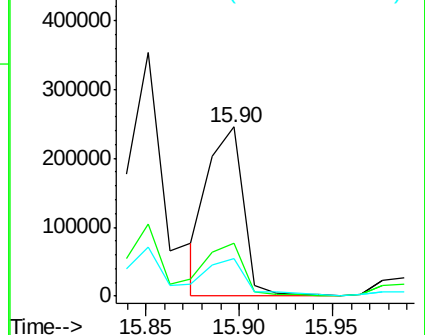
229 22.3 15.9 23.9

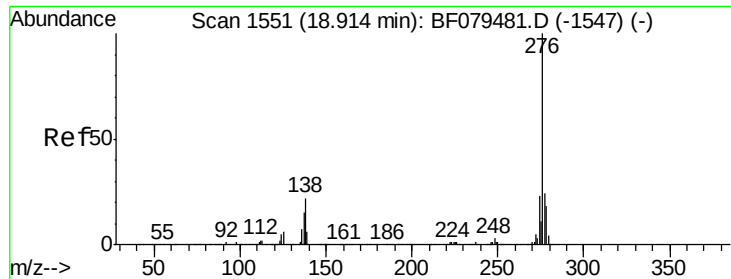


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

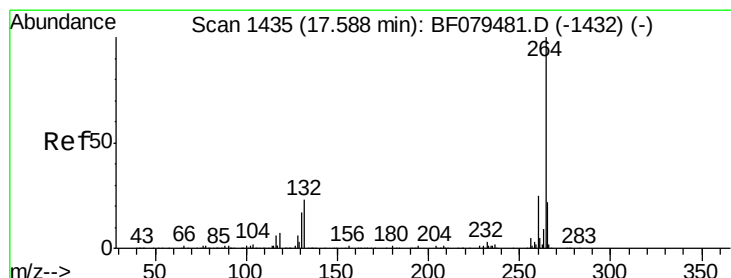
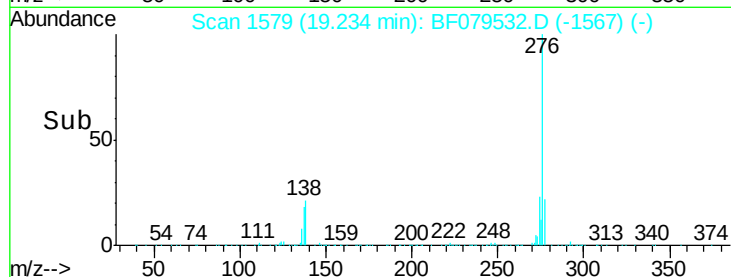
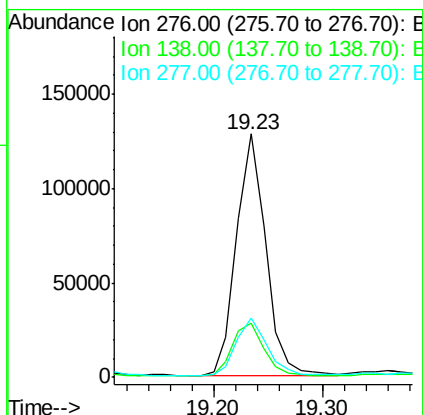
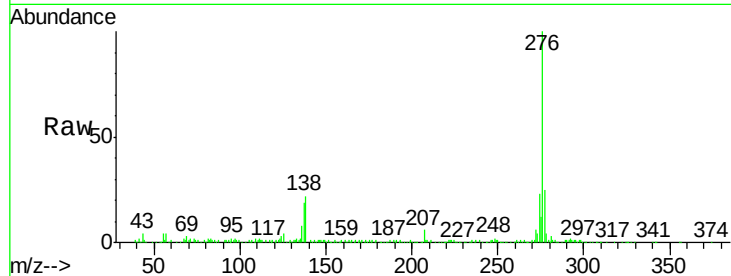




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 11.07 ng
 RT: 19.23 min Scan# 1579
 Delta R.T. -0.07 min
 Lab File: BF079532.D
 Acq: 27 May 2015 21:54

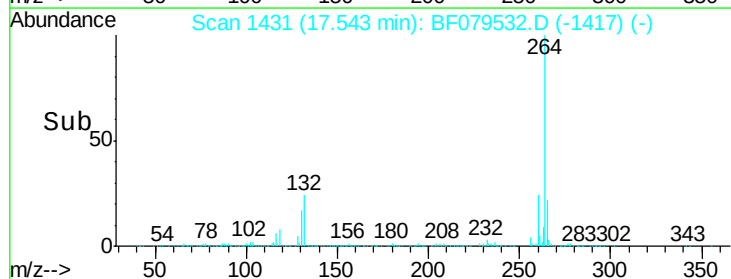
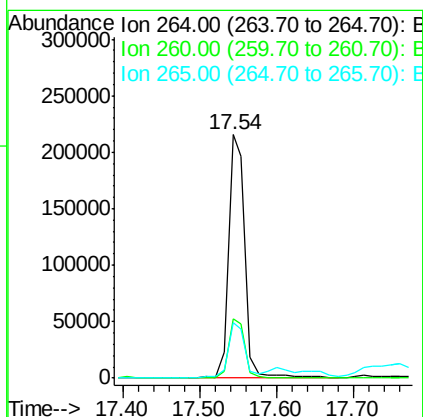
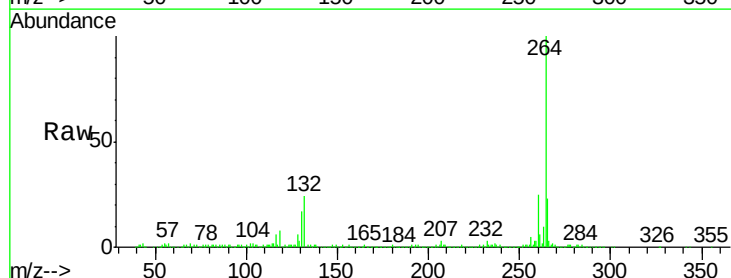
Instrument :
 BNA_F
 ClientSampleId :
 SB-28D

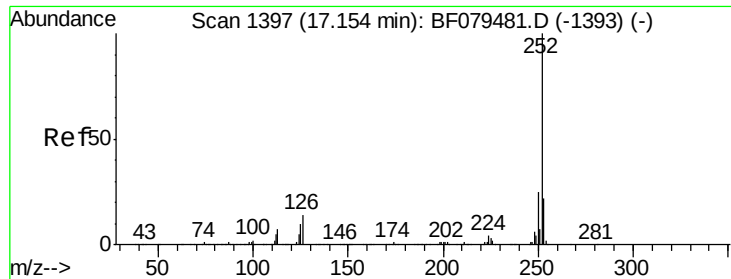
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.4	21.4	32.2
277	25.5	19.8	29.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.54 min Scan# 1431
 Delta R.T. -0.34 min
 Lab File: BF079532.D
 Acq: 27 May 2015 21:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.8	29.8
265	22.5	17.8	26.6

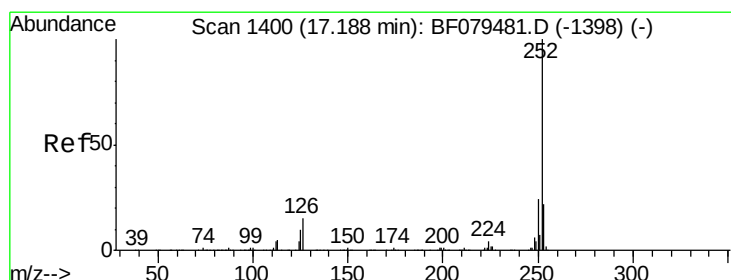
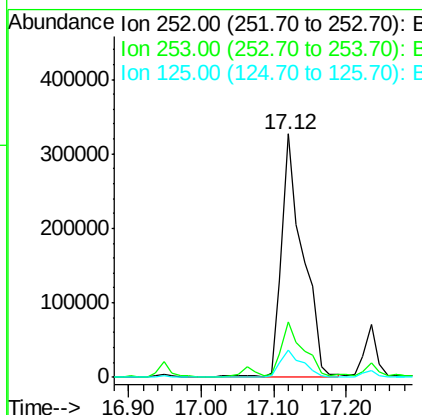
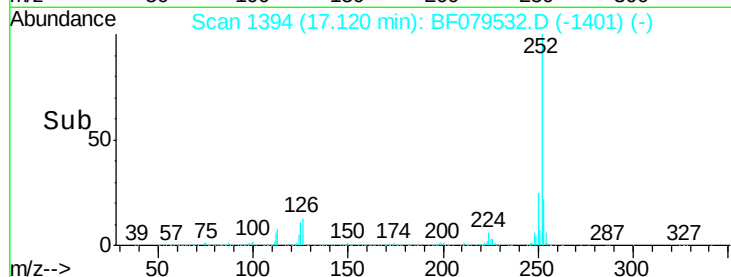
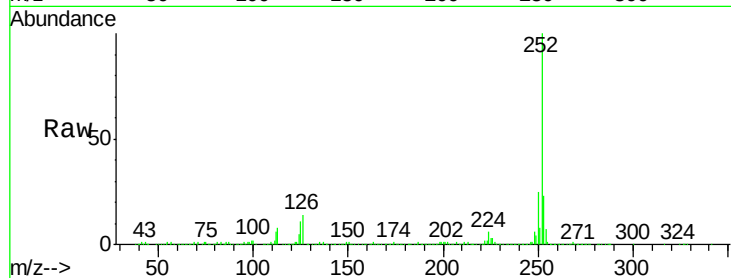




#87
Benzo(b)fluoranthene
Concen: 35.44 ng
RT: 17.12 min Scan# 1394
Delta R.T. -0.26 min
Lab File: BF079532.D
Acq: 27 May 2015 21:54

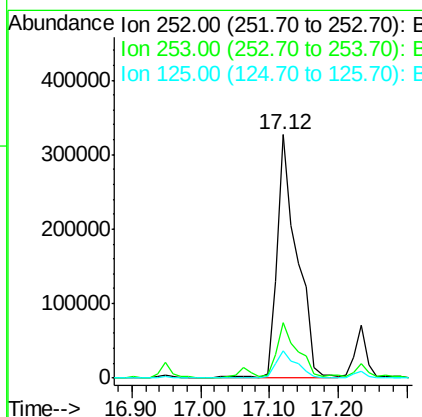
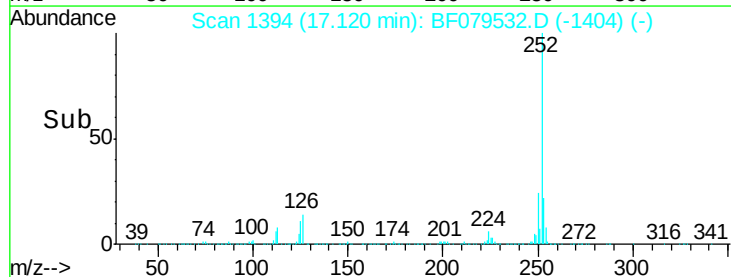
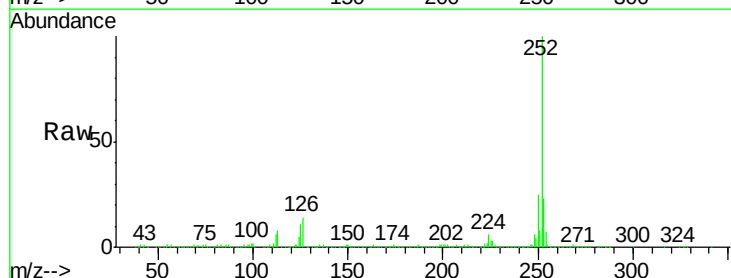
Instrument :
BNA_F
ClientSampleId :
SB-28D

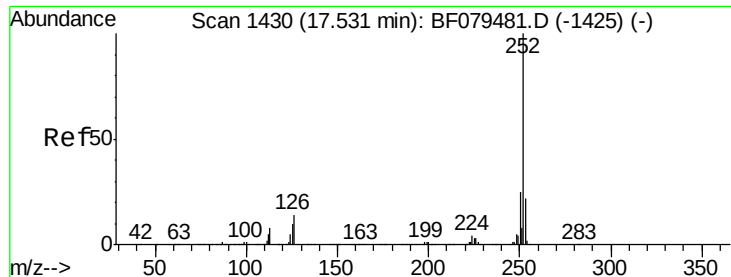
Tgt Ion:252 Resp: 658833
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 11.3 7.8 11.6



#88
Benzo(k)fluoranthene
Concen: 39.71 ng
RT: 17.12 min Scan# 1394
Delta R.T. -0.30 min
Lab File: BF079532.D
Acq: 27 May 2015 21:54

Tgt Ion:252 Resp: 660105
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 11.3 6.8 10.2#





#89

Benzo(a)pyrene

Concen: 22.42 ng

RT: 17.49 min Scan# 1426

Delta R.T. -0.32 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

Instrument :

BNA_F

ClientSampleId :

SB-28D

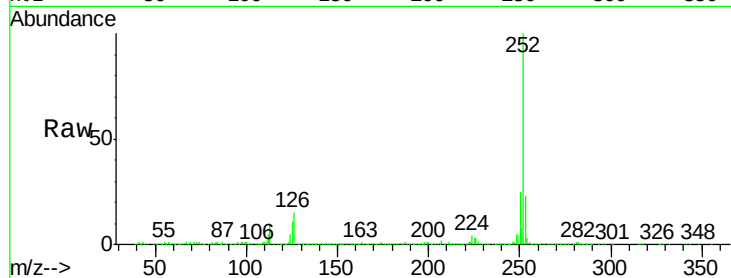
Tgt Ion:252 Resp: 381262

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

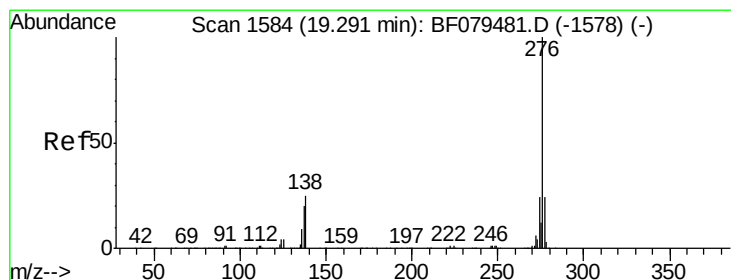
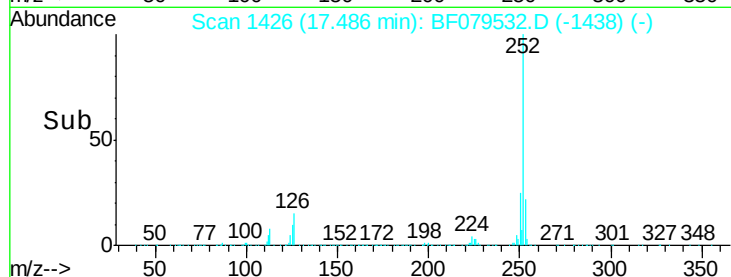
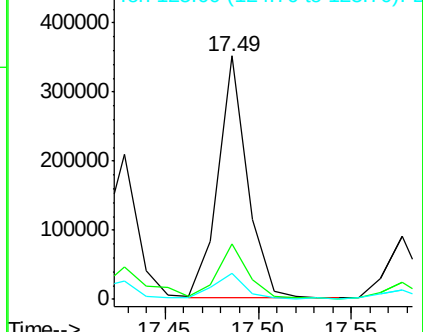
125 10.7 7.9 11.9



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



#91

Benzo(g,h,i)perylene

Concen: 12.62 ng

RT: 19.23 min Scan# 1579

Delta R.T. -0.46 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

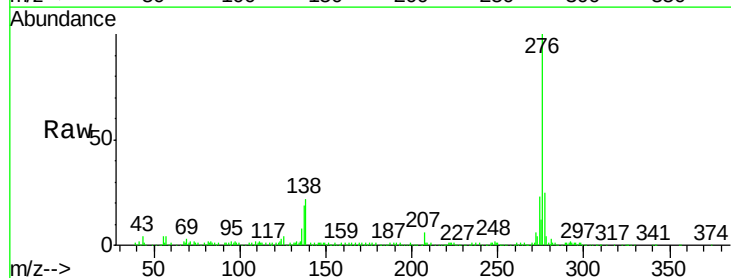
Tgt Ion:276 Resp: 239244

Ion Ratio Lower Upper

276 100

277 24.5 19.1 28.7

138 22.2 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

