

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
 Data File : BF079522.D
 Acq On : 27 May 2015 17:03
 Operator : TP/IZ
 Sample : G2359-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-31AS

Quant Time: May 28 00:56:14 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

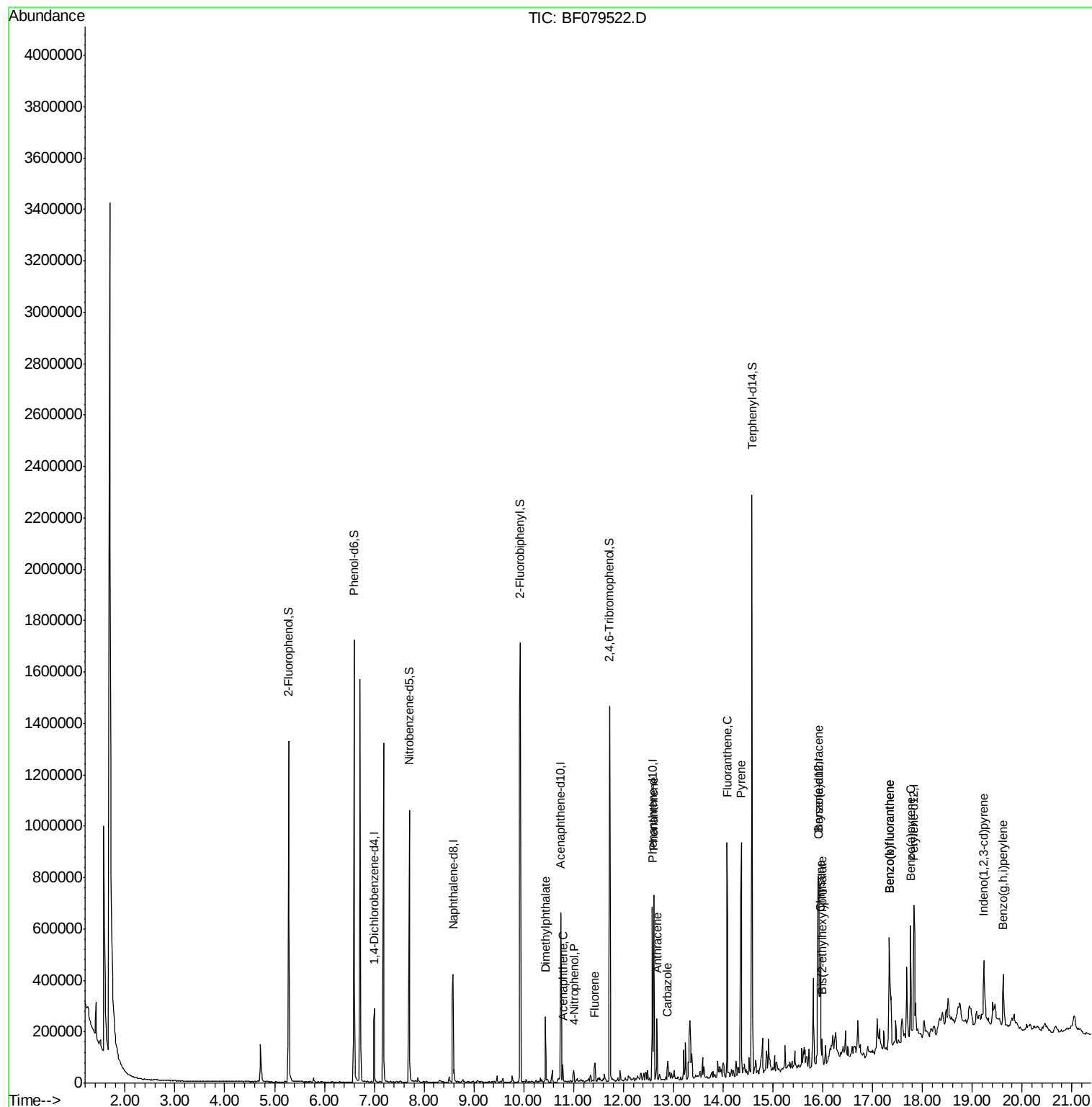
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	64277	20.00	ng	0.00
21) Naphthalene-d8	8.58	136	267576	20.00	ng	0.00
38) Acenaphthene-d10	10.74	164	133800	20.00	ng	0.00
63) Phenanthrene-d10	12.58	188	259212	20.00	ng	0.00
75) Chrysene-d12	15.92	240	260265	20.00	ng	-0.02
86) Perylene-d12	17.83	264	279130	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	431975	116.57	ng	0.00
7) Phenol-d6	6.59	99	604053	127.88	ng	0.00
23) Nitrobenzene-d5	7.70	82	372208	80.41	ng	0.00
41) 2,4,6-Tribromophenol	11.73	330	187398	127.51	ng	-0.01
44) 2-Fluorobiphenyl	9.93	172	765192	81.59	ng	0.00
78) Terphenyl-d14	14.58	244	841234	75.86	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	10.43	163	111488	11.31	ng	99
51) Acenaphthene	10.79	154	22184	2.83	ng	97
55) 4-Nitrophenol	11.00	139	8402	5.91	ng	# 12
57) Fluorene	11.43	166	26296	2.76	ng	99
70) Phenanthrene	12.61	178	357255	25.12	ng	99
71) Anthracene	12.67	178	100803	6.98	ng	99
72) Carbazole	12.89	167	34656	2.49	ng	96
73) Di-n-butylphthalate	13.35	149	5931	Below Cal	#	77
74) Fluoranthene	14.08	202	481138	31.55	ng	94
77) Pyrene	14.37	202	455582	28.25	ng	99
80) Benzo(a)anthracene	15.91	228	263467	17.60	ng	98
82) Chrysene	15.95	228	188120	13.22	ng	98
83) Bis(2-ethylhexyl)phthalate	15.99	149	21626	2.08	ng	99
85) Indeno(1,2,3-cd)pyrene	19.23	276	152326	8.32	ng	94
87) Benzo(b)fluoranthene	17.34	252	386821	24.30	ng	# 97
88) Benzo(k)fluoranthene	17.34	252	386821	27.17	ng	# 96
89) Benzo(a)pyrene	17.76	252	230155	15.21	ng	99
91) Benzo(g,h,i)perylene	19.62	276	146908	8.06	ng	98

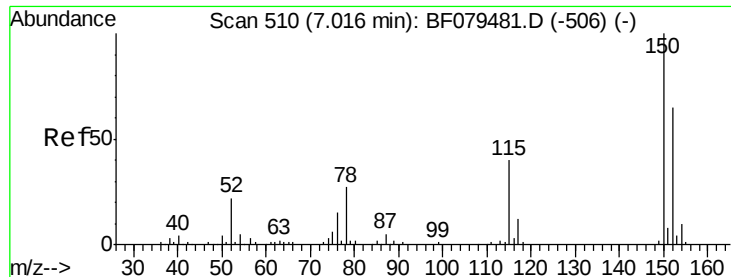
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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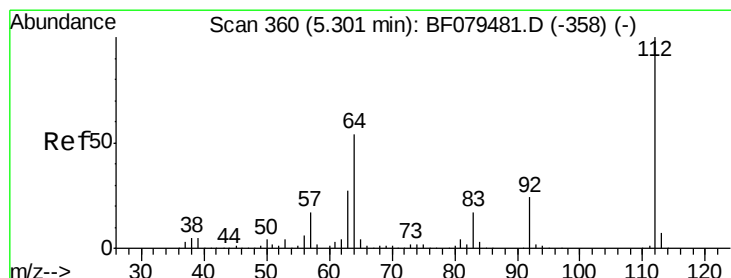
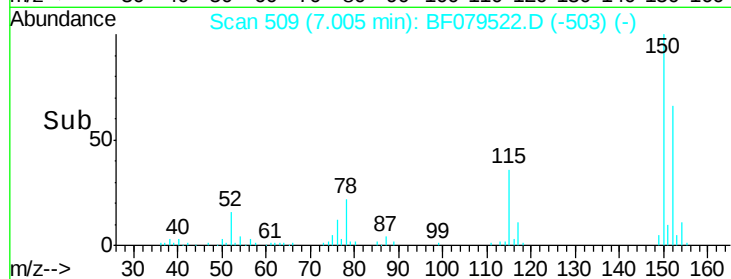
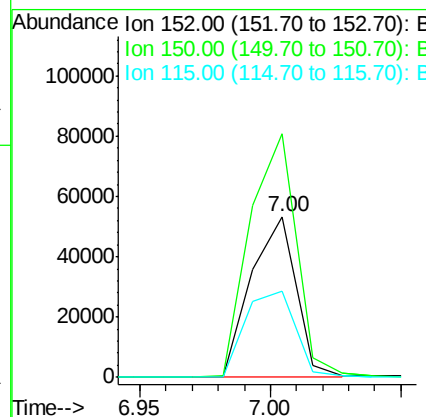
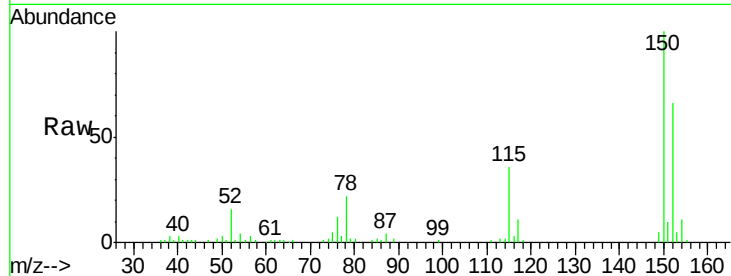




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.00 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: BF079522.D
 Acq: 27 May 2015 17:03

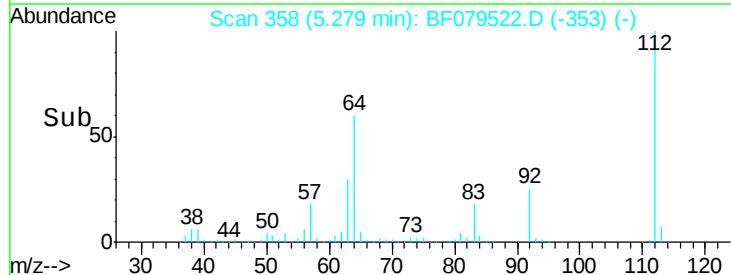
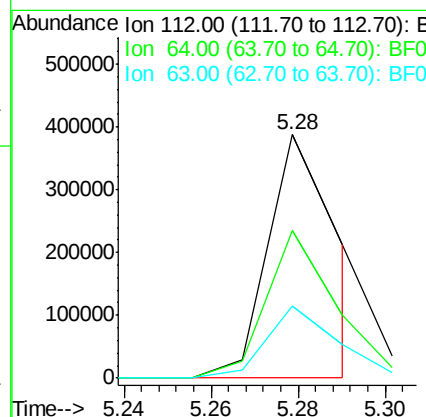
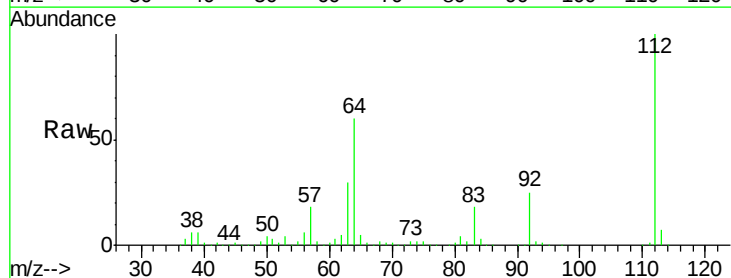
Instrument :
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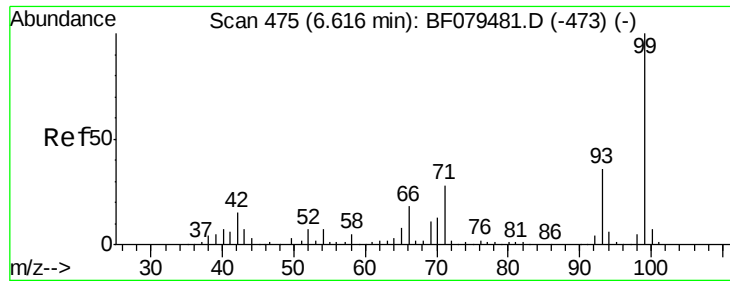
Tgt Ion:152 Resp: 64277
 Ion Ratio Lower Upper
 152 100
 150 151.3 124.0 186.0
 115 53.9 49.6 74.4



#5
 2-Fluorophenol
 Concen: 116.57 ng
 RT: 5.28 min Scan# 358
 Delta R.T. -0.00 min
 Lab File: BF079522.D
 Acq: 27 May 2015 17:03

Tgt Ion:112 Resp: 431975
 Ion Ratio Lower Upper
 112 100
 64 60.4 43.5 65.3
 63 29.7 21.8 32.8





#7

Phenol-d6

Concen: 127.88 ng

RT: 6.59 min Scan# 473

Delta R.T. -0.00 min

Lab File: BF079522.D

Acq: 27 May 2015 17:03

Instrument :

BNA_F

ClientSampleId :

SB-31AS

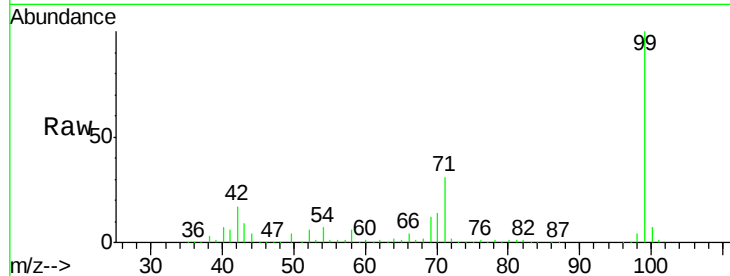
Tgt Ion: 99 Resp: 604053

Ion Ratio Lower Upper

99 100

42 17.2 11.9 17.9

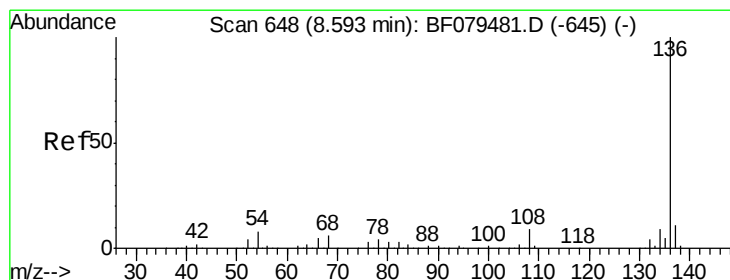
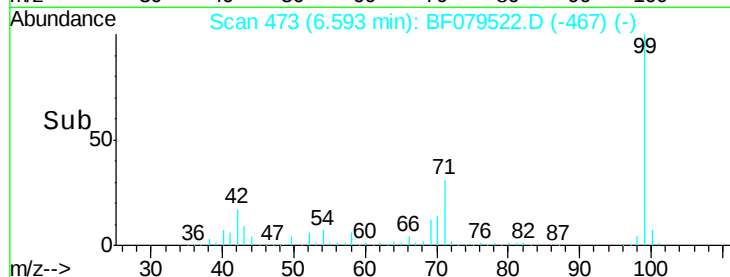
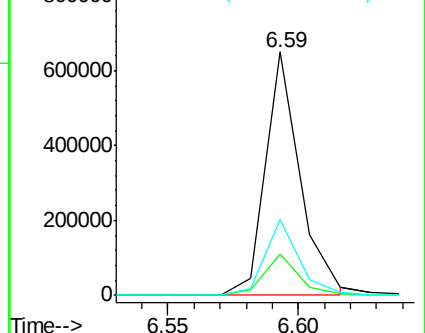
71 31.0 22.1 33.1



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: BF079522.D

Acq: 27 May 2015 17:03

Tgt Ion: 136 Resp: 267576

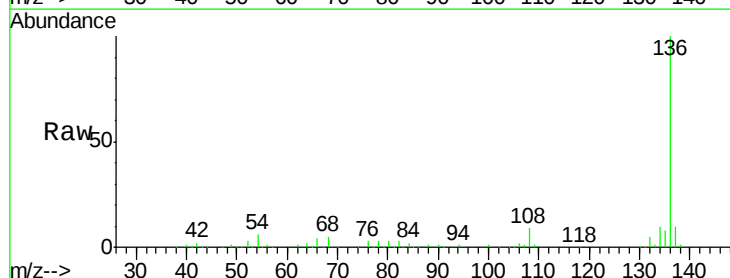
Ion Ratio Lower Upper

136 100

137 10.3 8.5 12.7

54 5.9 6.6 9.8#

68 5.0 4.7 7.1

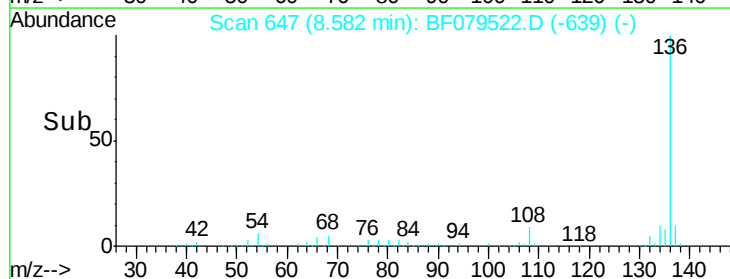
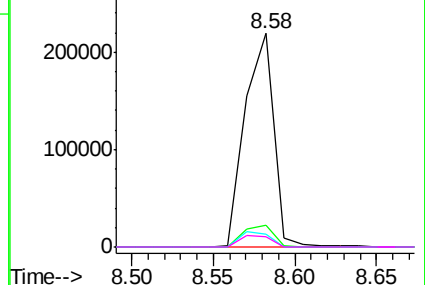


Abundance Ion 136.00 (135.70 to 136.70): E

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

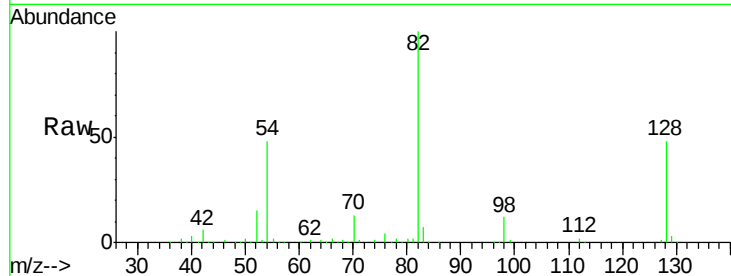




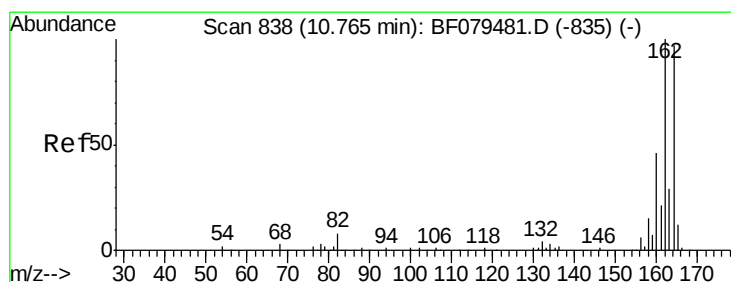
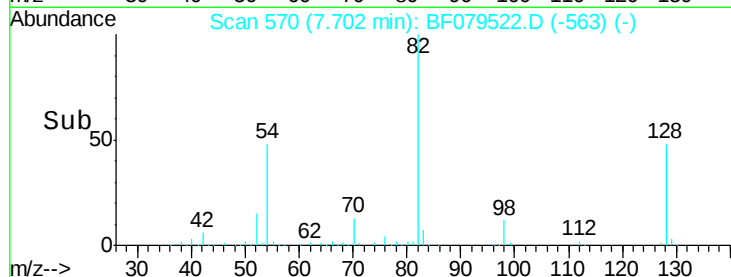
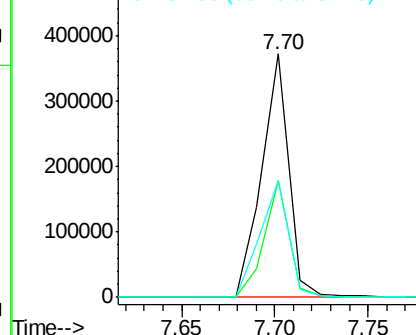
#23
 Nitrobenzene-d5
 Concen: 80.41 ng
 RT: 7.70 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: BF079522.D
 Acq: 27 May 2015 17:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-31AS

Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.0	30.8	46.2#
54	47.9	42.8	64.2

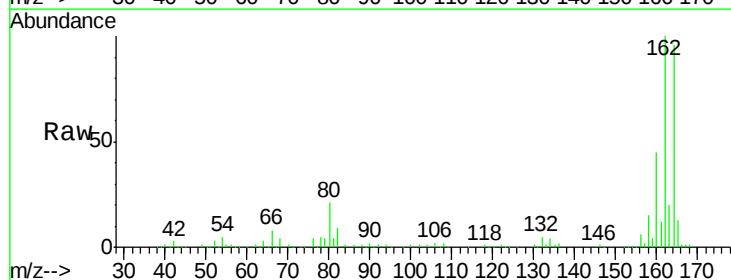


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

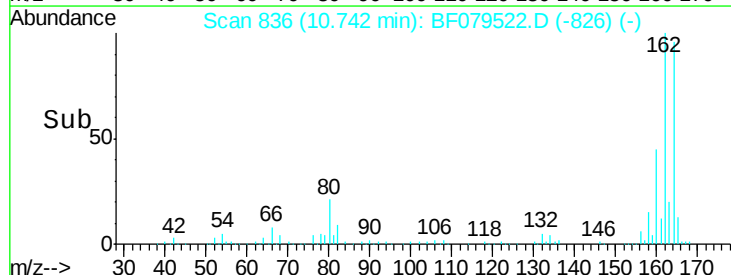
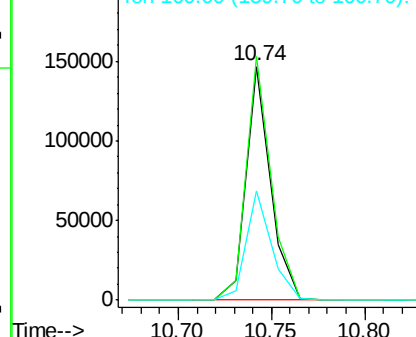


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.74 min Scan# 836
 Delta R.T. -0.00 min
 Lab File: BF079522.D
 Acq: 27 May 2015 17:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	82.6	124.0
160	46.7	37.7	56.5



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

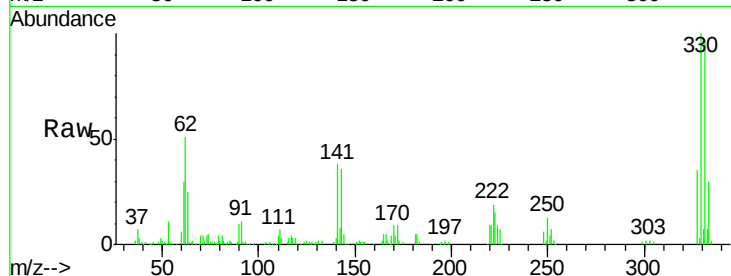




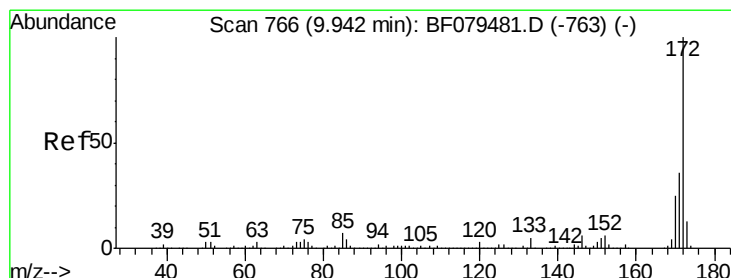
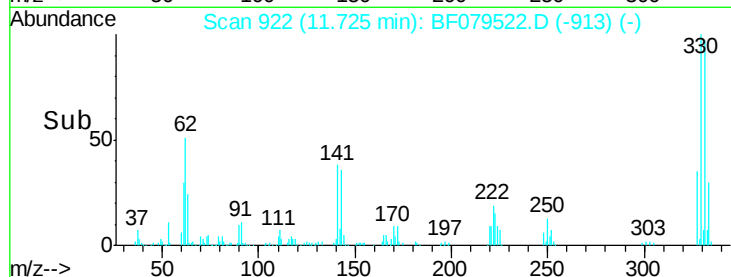
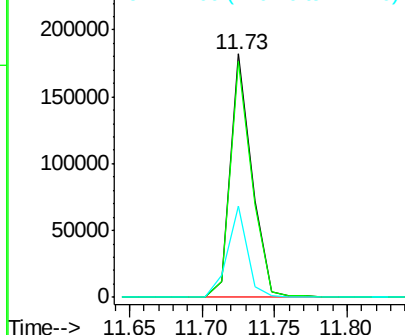
#41
 2,4,6-Tribromophenol
 Concen: 127.51 ng
 RT: 11.73 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF079522.D
 Acq: 27 May 2015 17:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-31AS

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	0.0	0.0#
141	34.8	0.0	0.0#

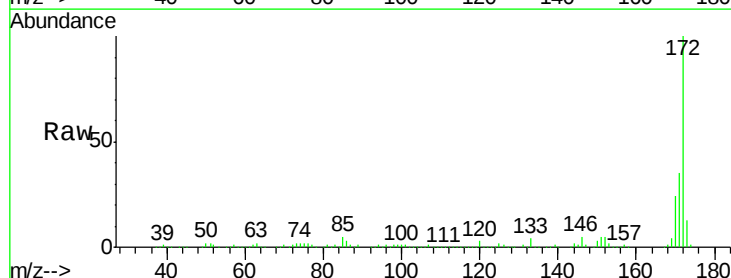


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

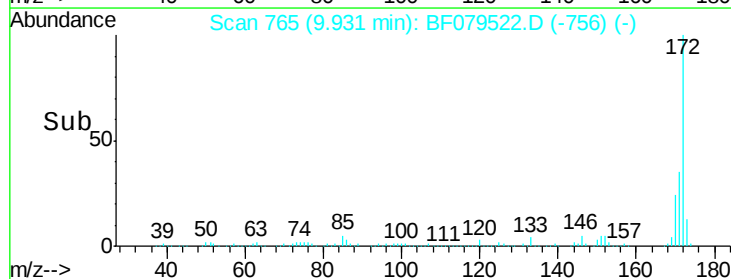
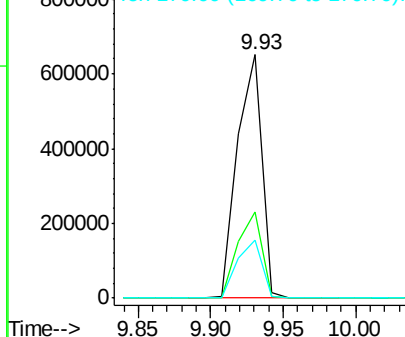


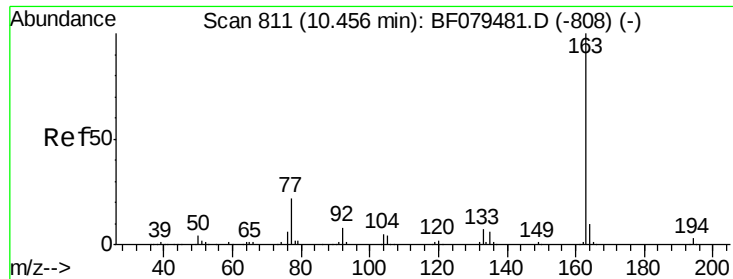
#44
 2-Fluorobiphenyl
 Concen: 81.59 ng
 RT: 9.93 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BF079522.D
 Acq: 27 May 2015 17:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.5	42.7
170	23.7	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

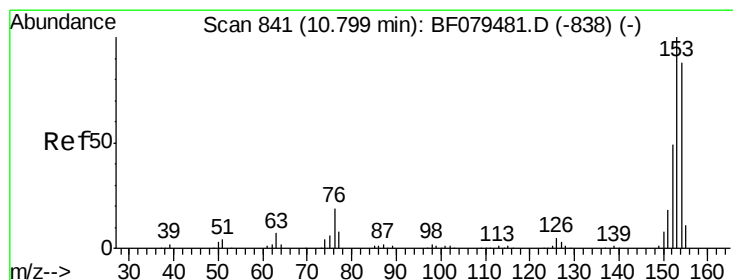
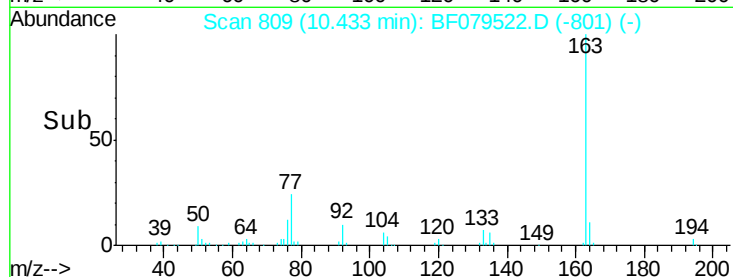
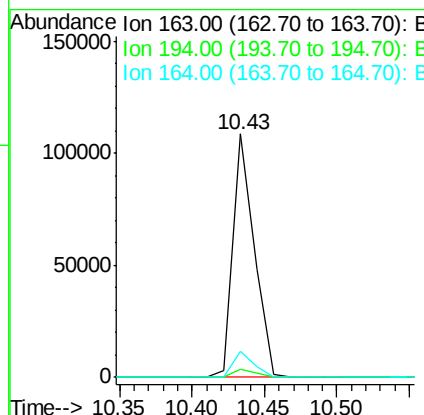
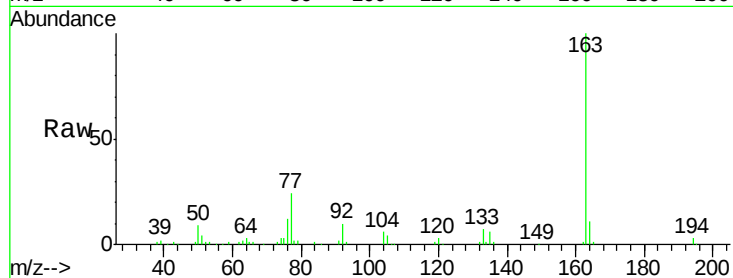




#49
Dimethylphthalate
Concen: 11.31 ng
RT: 10.43 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF079522.D
Acq: 27 May 2015 17:03

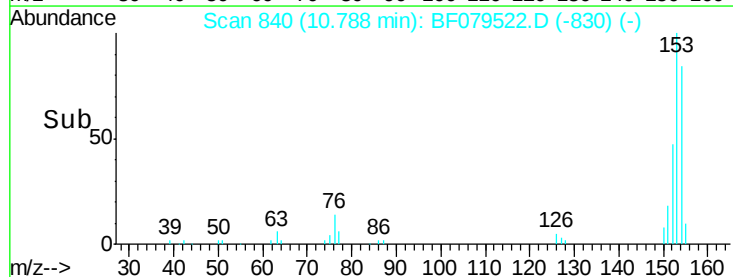
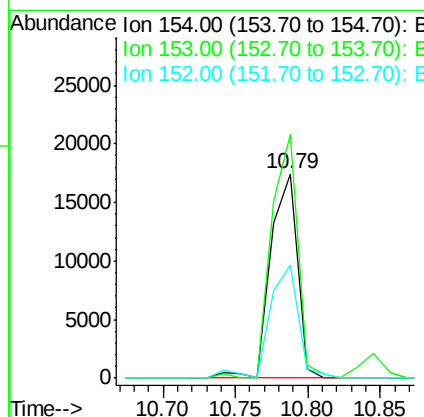
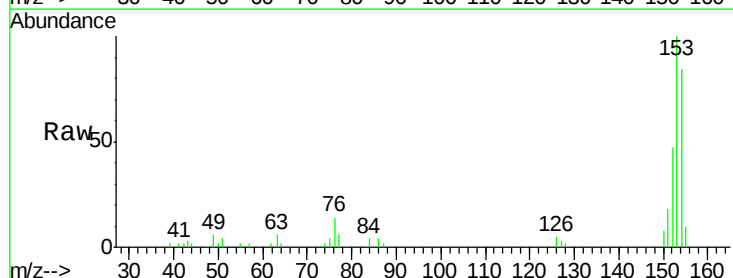
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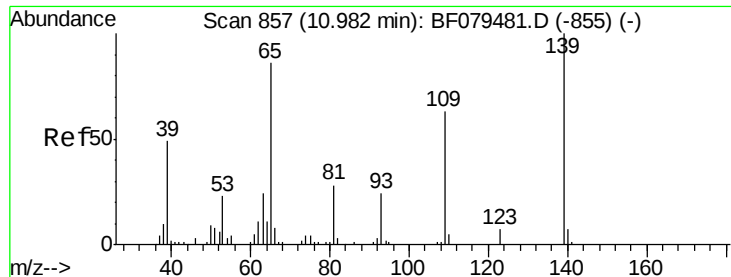
Tgt Ion:163 Resp: 111488
Ion Ratio Lower Upper
163 100
194 3.1 2.4 3.6
164 10.6 8.2 12.4



#51
Acenaphthene
Concen: 2.83 ng
RT: 10.79 min Scan# 840
Delta R.T. -0.00 min
Lab File: BF079522.D
Acq: 27 May 2015 17:03

Tgt Ion:154 Resp: 22184
Ion Ratio Lower Upper
154 100
153 119.1 91.1 136.7
152 55.5 44.6 66.8

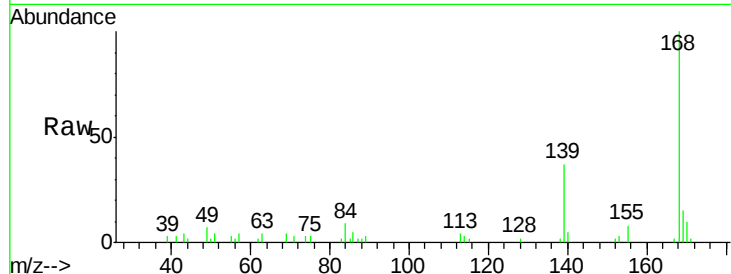




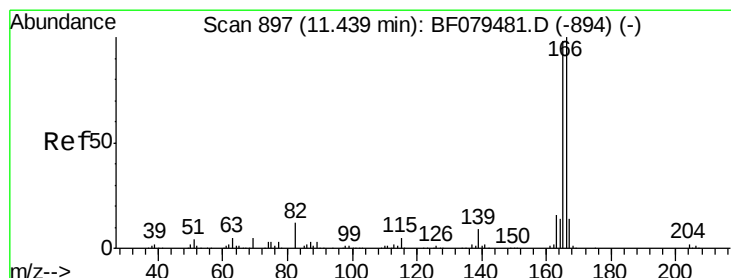
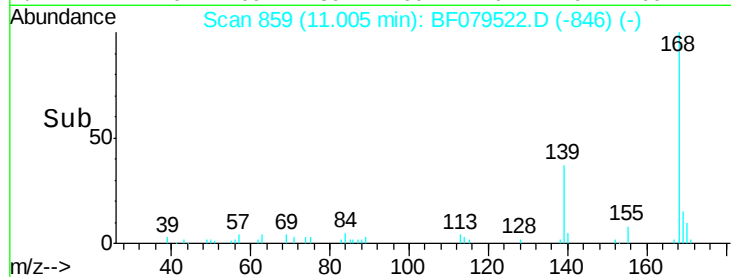
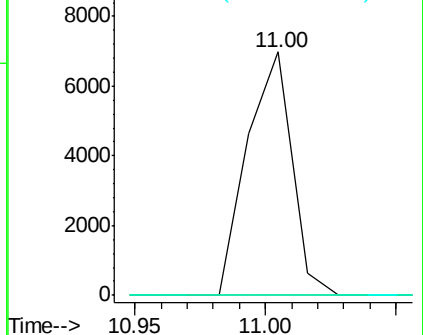
#55
4-Nitrophenol
Concen: 5.91 ng
RT: 11.00 min Scan# 859
Delta R.T. 0.03 min
Lab File: BF079522.D
Acq: 27 May 2015 17:03

Instrument :
BNA_F
ClientSampleId :
SB-31AS

Tgt Ion:139 Resp: 8402
Ion Ratio Lower Upper
139 100
109 0.0 42.8 82.8#
65 0.0 66.3 106.3#

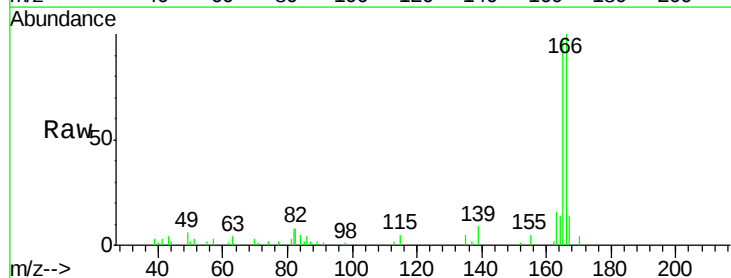


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

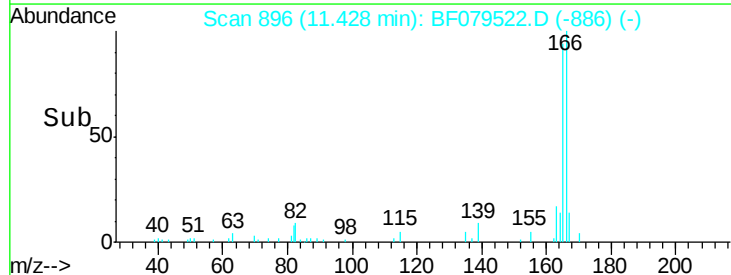
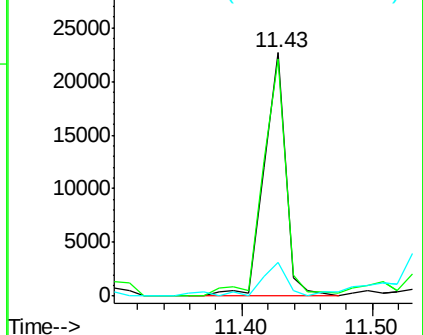


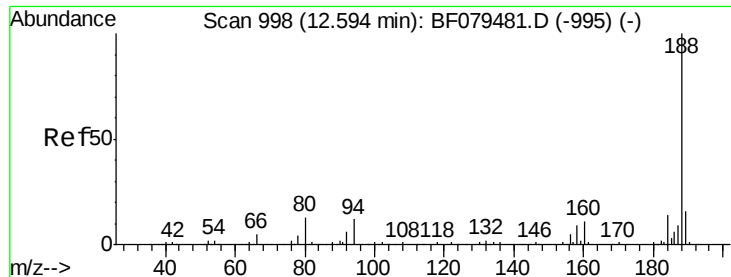
#57
Fluorene
Concen: 2.76 ng
RT: 11.43 min Scan# 896
Delta R.T. -0.00 min
Lab File: BF079522.D
Acq: 27 May 2015 17:03

Tgt Ion:166 Resp: 26296
Ion Ratio Lower Upper
166 100
165 97.4 78.6 117.8
167 14.0 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

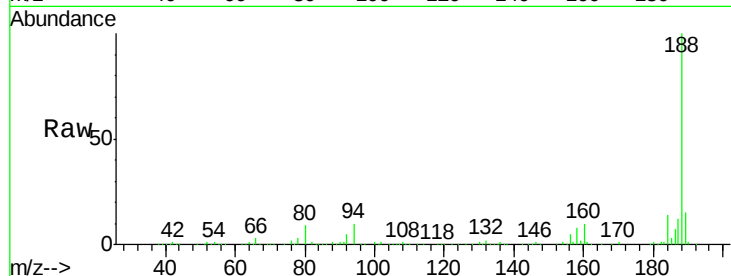




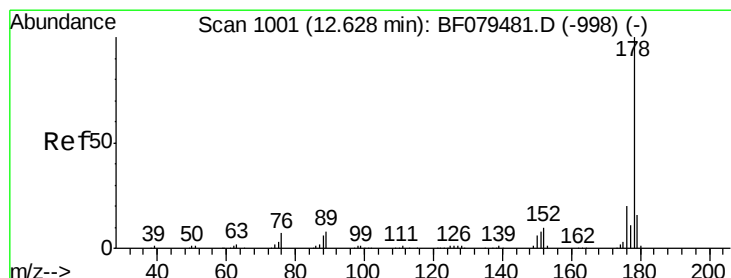
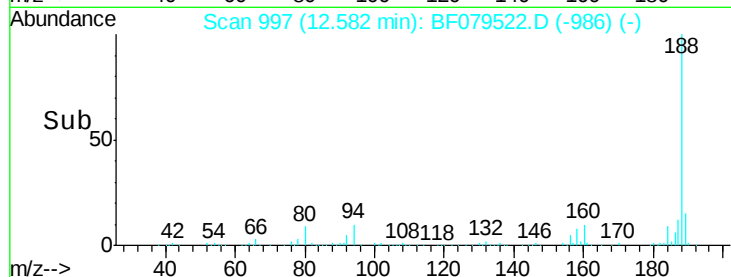
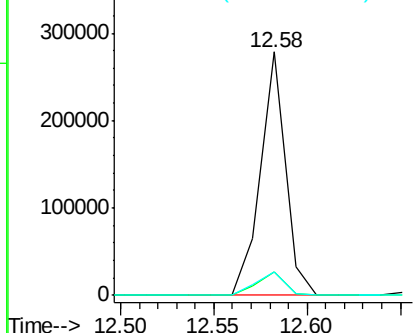
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.58 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: BF079522.D
 Acq: 27 May 2015 17:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-31AS

Tgt Ion:188 Resp: 259212
 Ion Ratio Lower Upper
 188 100
 94 9.8 9.8 14.6
 80 9.4 10.5 15.7#

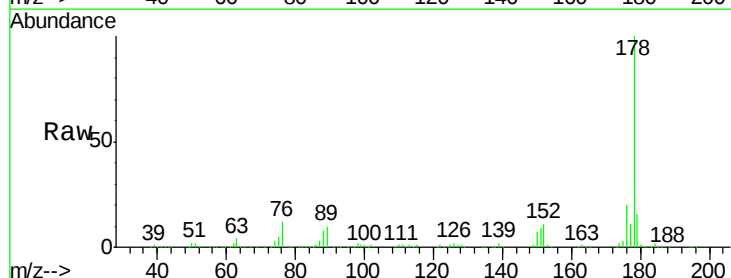


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

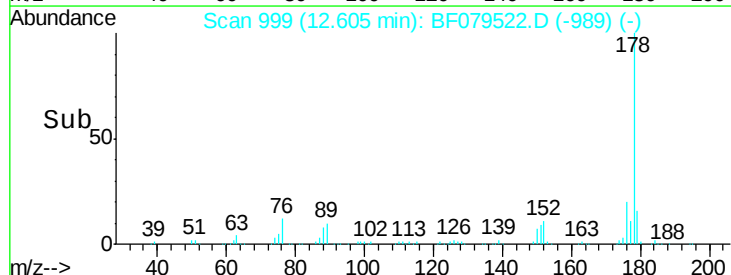
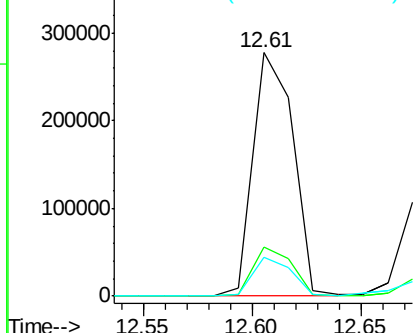


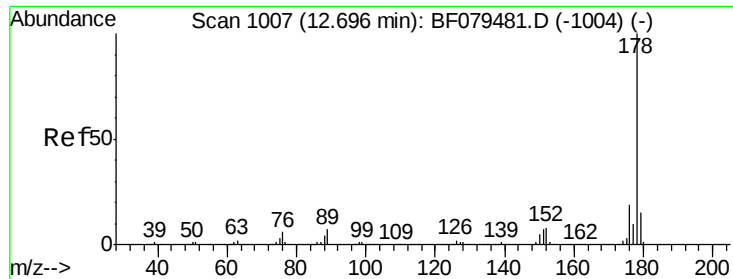
#70
 Phenanthrene
 Concen: 25.12 ng
 RT: 12.61 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: BF079522.D
 Acq: 27 May 2015 17:03

Tgt Ion:178 Resp: 357255
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.7 23.5
 179 15.7 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





#71

Anthracene

Concen: 6.98 ng

RT: 12.67 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF079522.D

Acq: 27 May 2015 17:03

Instrument :

BNA_F

ClientSampleId :

SB-31AS

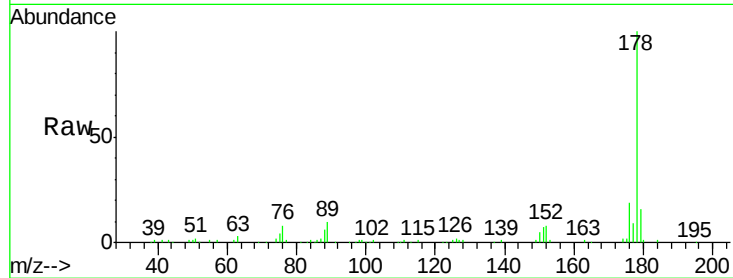
Tgt Ion:178 Resp: 100803

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

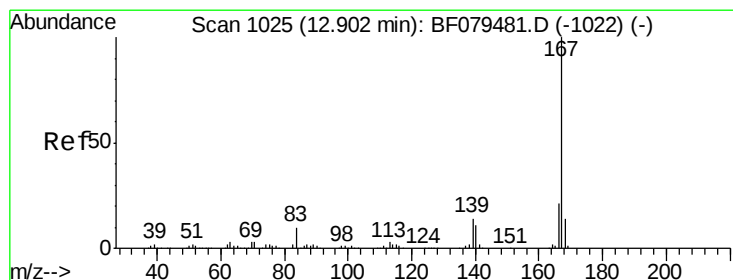
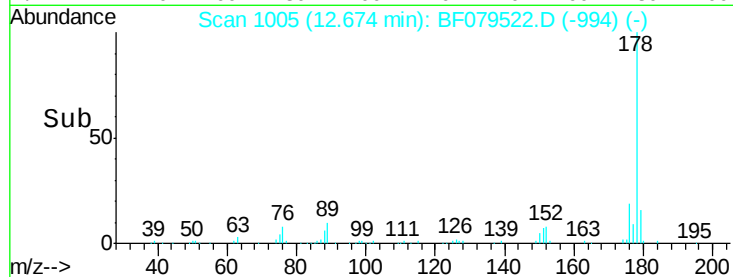
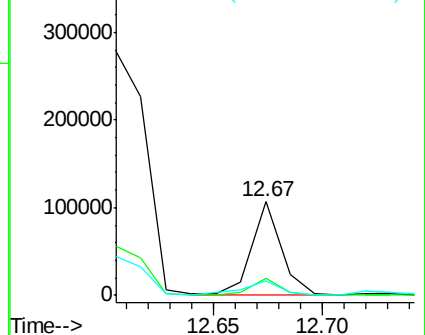
179 15.8 12.2 18.4



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: 2.49 ng

RT: 12.89 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BF079522.D

Acq: 27 May 2015 17:03

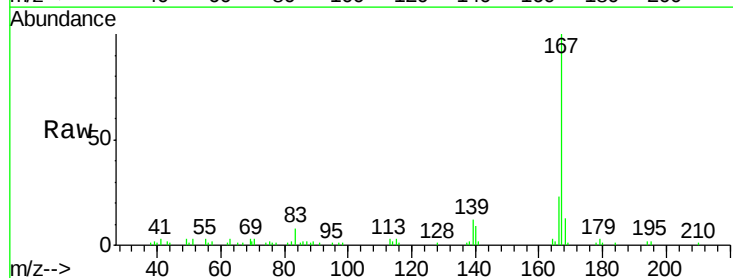
Tgt Ion:167 Resp: 34656

Ion Ratio Lower Upper

167 100

166 22.8 17.0 25.4

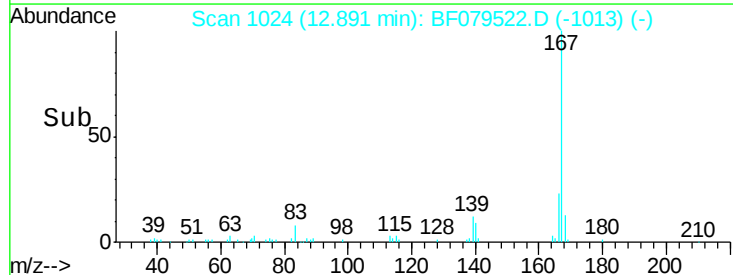
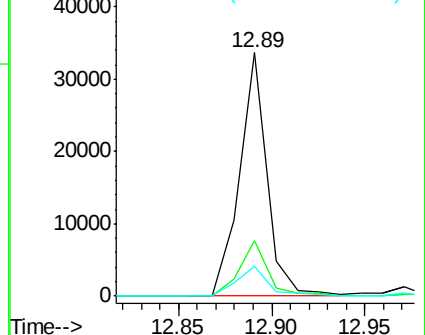
139 12.4 11.2 16.8

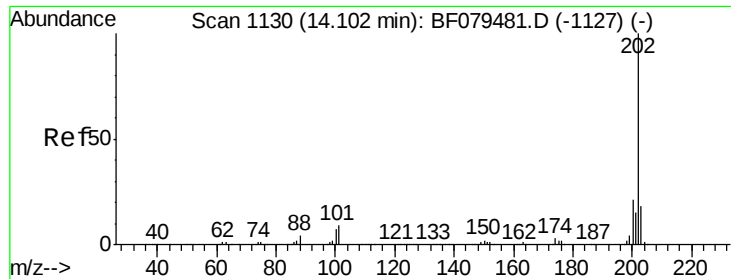


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 31.55 ng

RT: 14.08 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BF079522.D

Acq: 27 May 2015 17:03

Instrument :

BNA_F

ClientSampleId :

SB-31AS

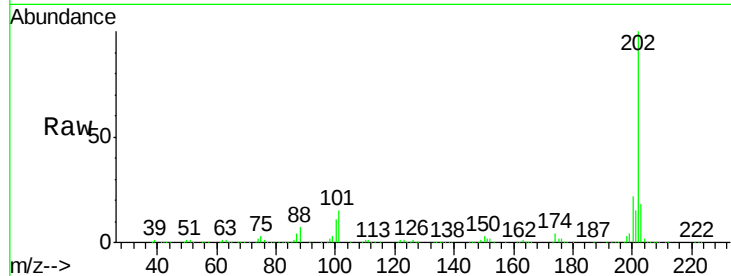
Tgt Ion:202 Resp: 481138

Ion Ratio Lower Upper

202 100

101 15.2 0.0 29.3

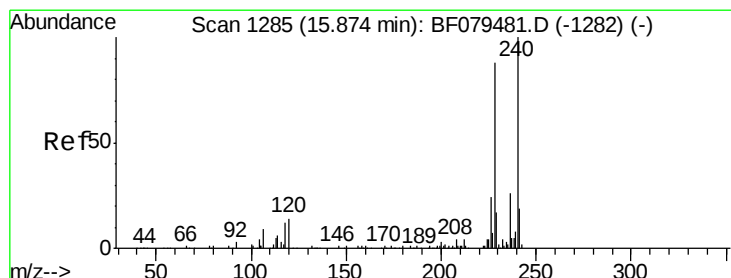
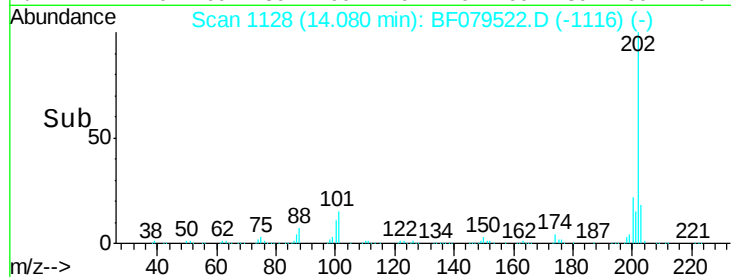
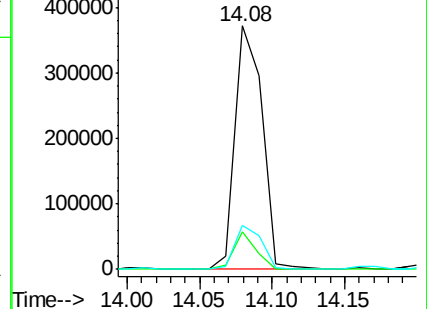
203 18.1 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.92 min Scan# 1289

Delta R.T. -0.02 min

Lab File: BF079522.D

Acq: 27 May 2015 17:03

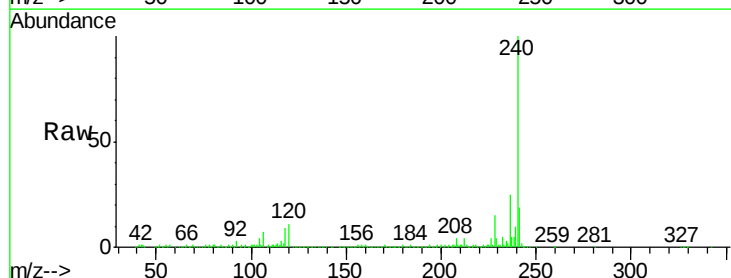
Tgt Ion:240 Resp: 260265

Ion Ratio Lower Upper

240 100

120 11.1 10.8 16.2

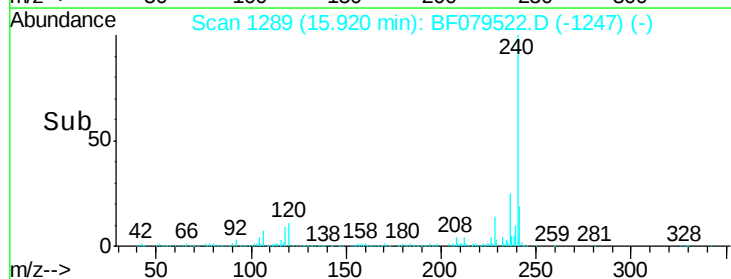
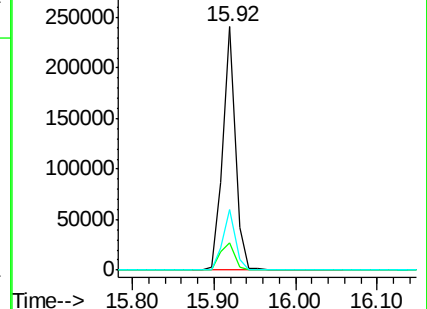
236 25.0 21.0 31.6

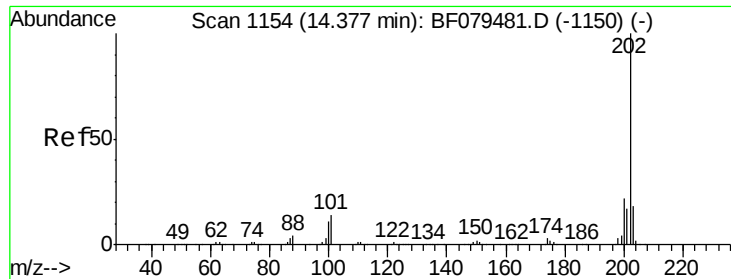


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 28.25 ng

RT: 14.37 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BF079522.D

Acq: 27 May 2015 17:03

Instrument :

BNA_F

ClientSampled :

SB-31AS

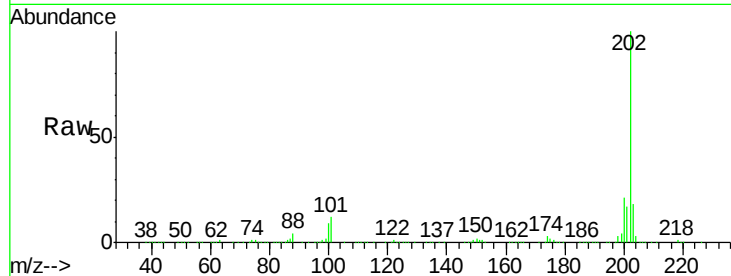
Tgt Ion: 202 Resp: 455582

Ion Ratio Lower Upper

202 100

200 21.5 17.5 26.3

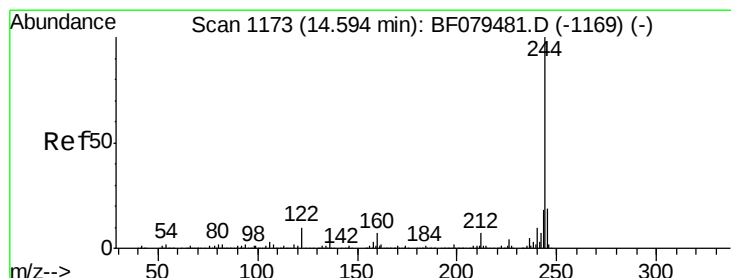
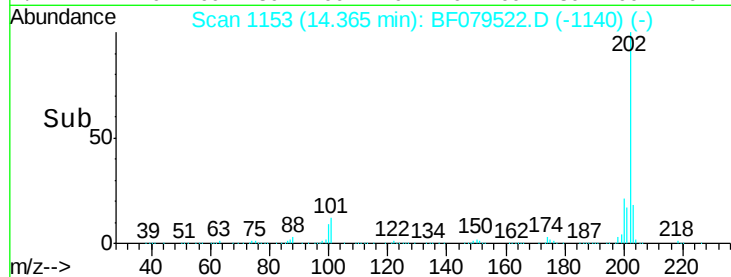
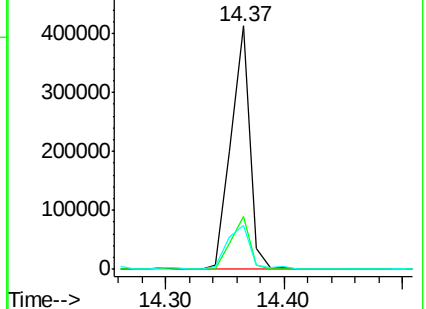
203 18.0 14.4 21.6



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: 75.86 ng

RT: 14.58 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BF079522.D

Acq: 27 May 2015 17:03

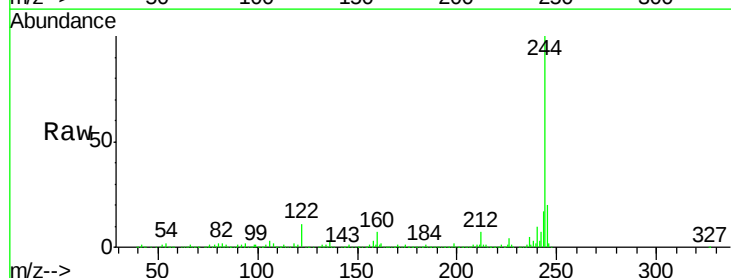
Tgt Ion: 244 Resp: 841234

Ion Ratio Lower Upper

244 100

212 6.8 5.2 7.8

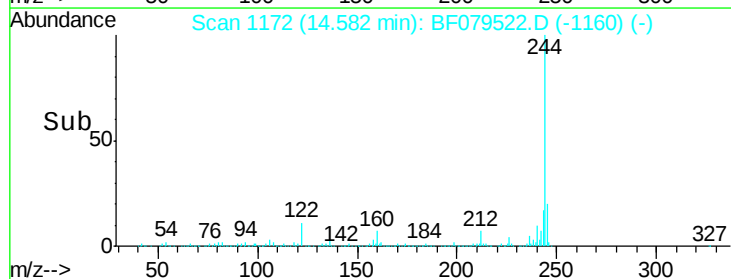
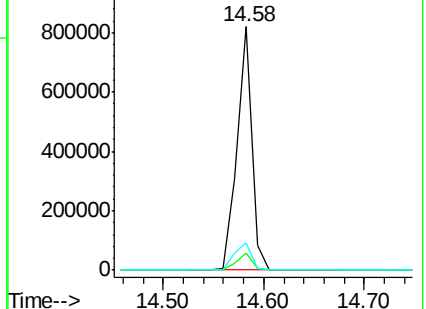
122 11.3 8.0 12.0

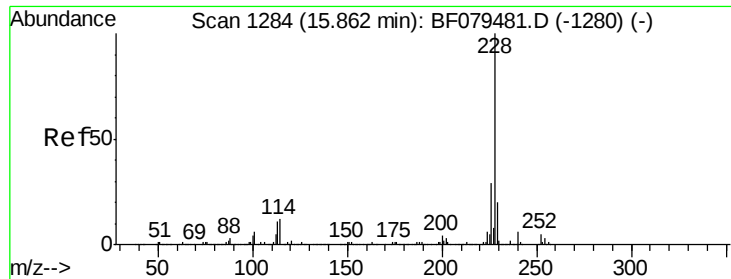


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 17.60 ng

RT: 15.91 min Scan# 1288

Delta R.T. -0.02 min

Lab File: BF079522.D

Acq: 27 May 2015 17:03

Instrument :

BNA_F

ClientSampleId :

SB-31AS

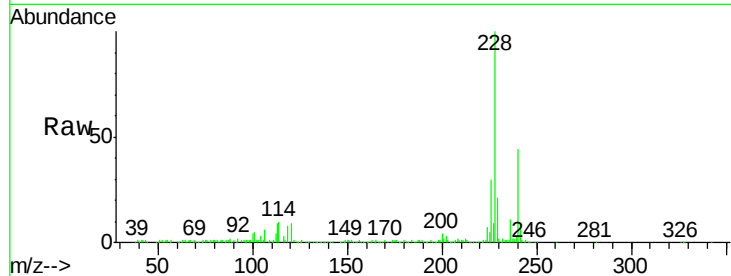
Tgt Ion:228 Resp: 263467

Ion Ratio Lower Upper

228 100

226 29.8 22.8 34.2

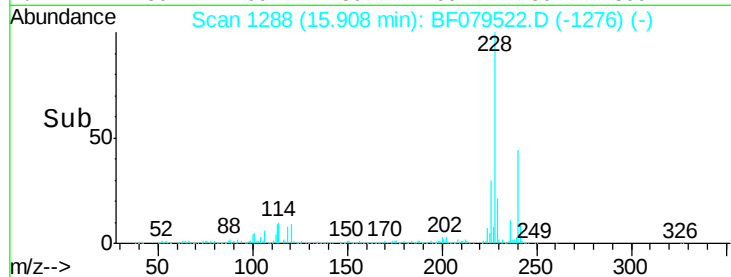
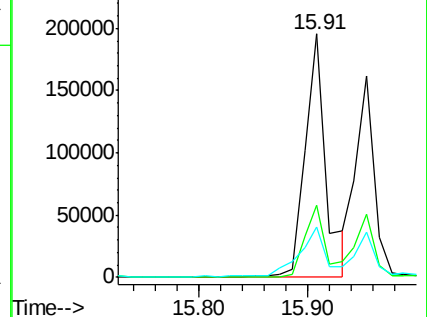
229 20.8 15.9 23.9



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: 13.22 ng

RT: 15.95 min Scan# 1292

Delta R.T. -0.02 min

Lab File: BF079522.D

Acq: 27 May 2015 17:03

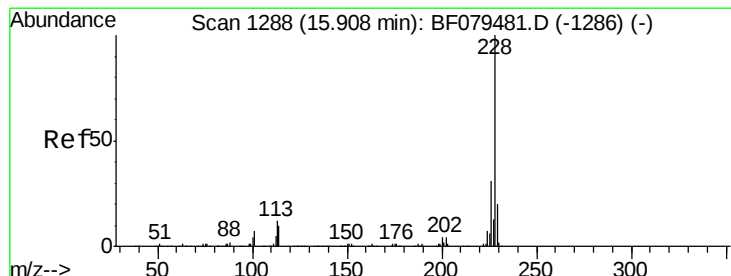
Tgt Ion:228 Resp: 188120

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.4

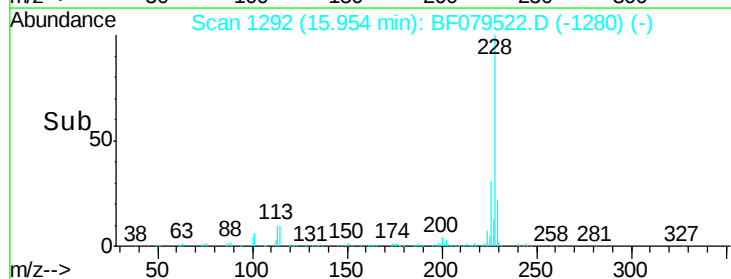
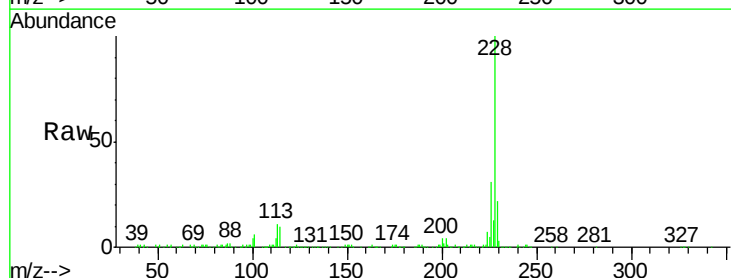
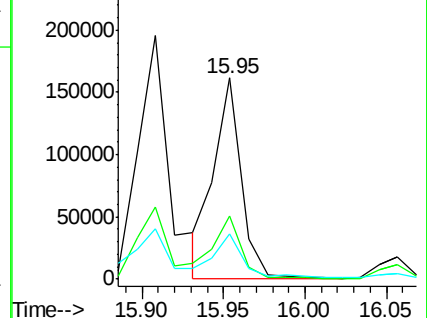
229 22.2 15.9 23.9

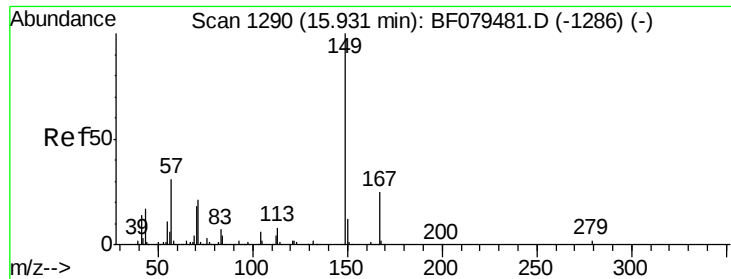


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

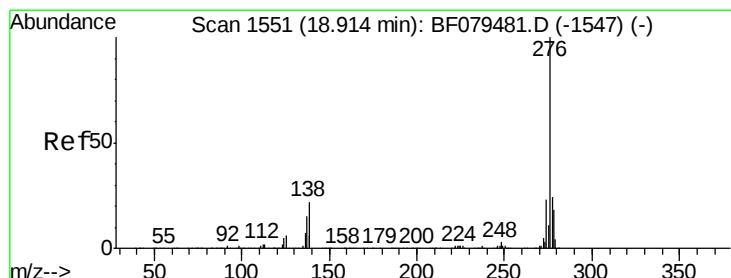
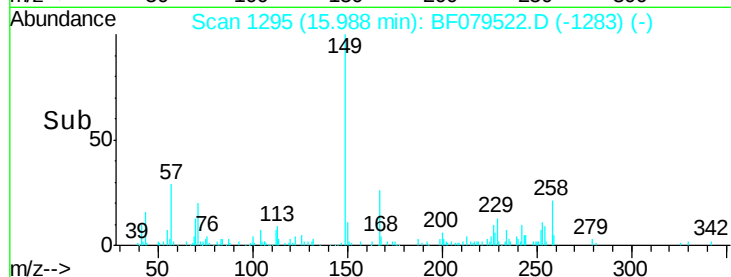
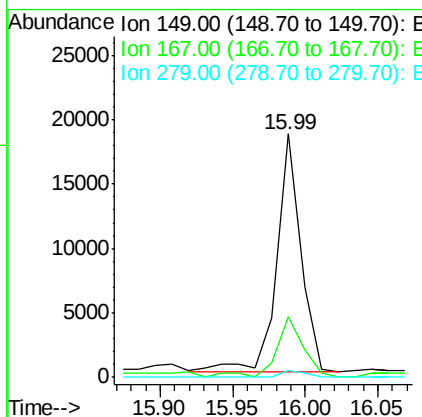
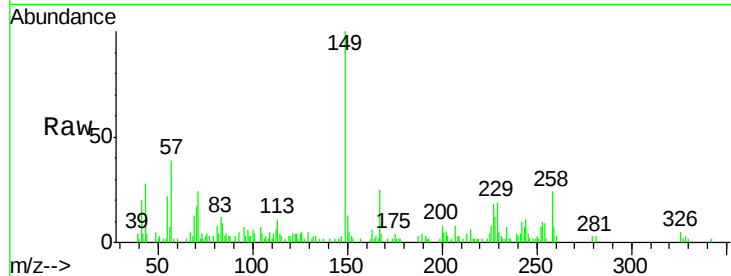




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.08 ng
 RT: 15.99 min Scan# 1295
 Delta R.T. -0.03 min
 Lab File: BF079522.D
 Acq: 27 May 2015 17:03

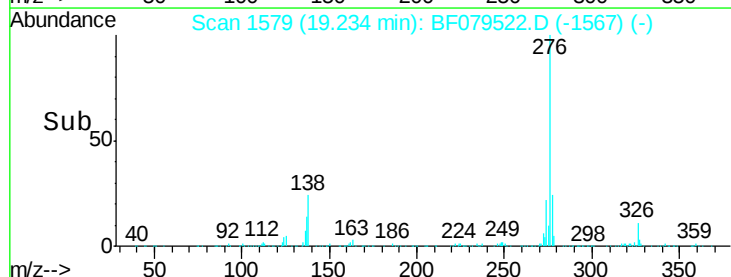
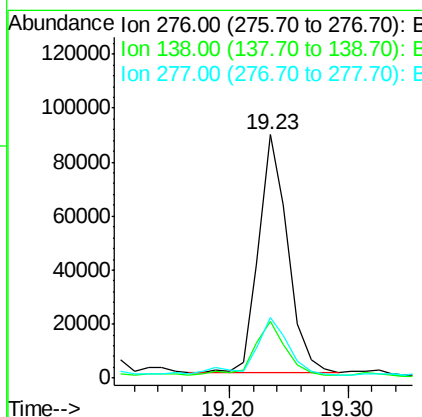
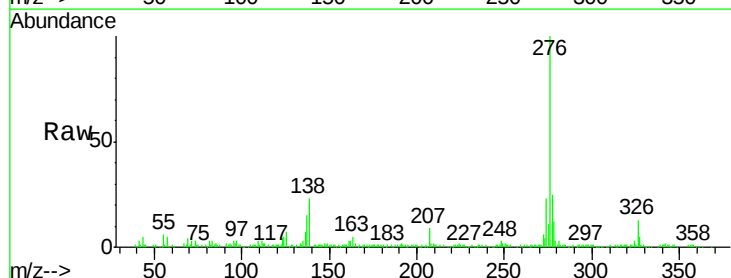
Instrument :
 BNA_F
 ClientSampleId :
 SB-31AS

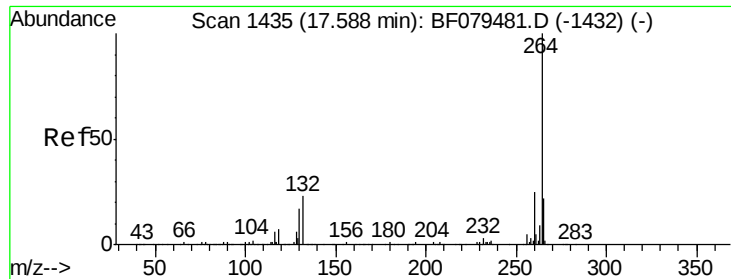
Tgt Ion:149 Resp: 21626
 Ion Ratio Lower Upper
 149 100
 167 24.8 20.2 30.4
 279 2.8 2.0 3.0



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.32 ng
 RT: 19.23 min Scan# 1579
 Delta R.T. -0.07 min
 Lab File: BF079522.D
 Acq: 27 May 2015 17:03

Tgt Ion:276 Resp: 152326
 Ion Ratio Lower Upper
 276 100
 138 24.7 21.4 32.2
 277 28.5 19.8 29.6

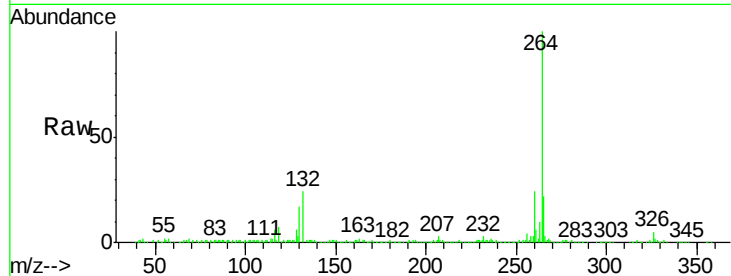




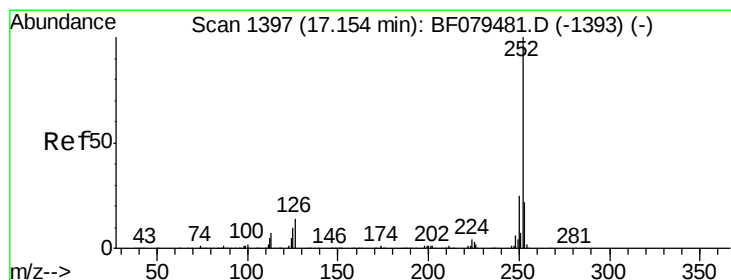
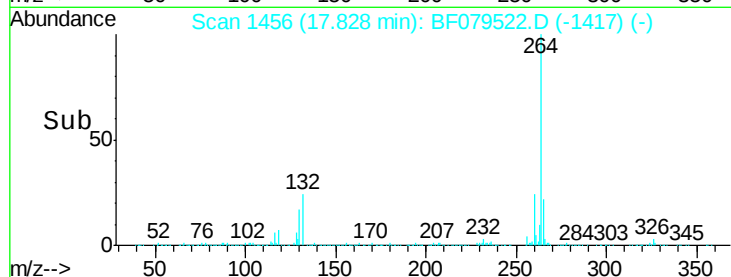
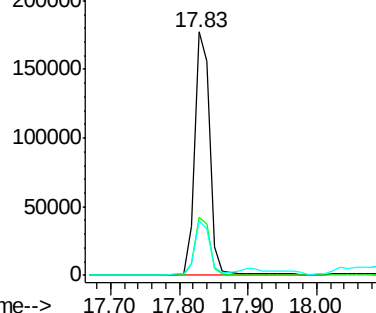
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.83 min Scan# 1456
Delta R.T. -0.06 min
Lab File: BF079522.D
Acq: 27 May 2015 17:03

Instrument :
BNA_F
ClientSampleId :
SB-31AS

Tgt Ion:264 Resp: 279130
Ion Ratio Lower Upper
264 100
260 24.0 19.8 29.8
265 22.0 17.8 26.6

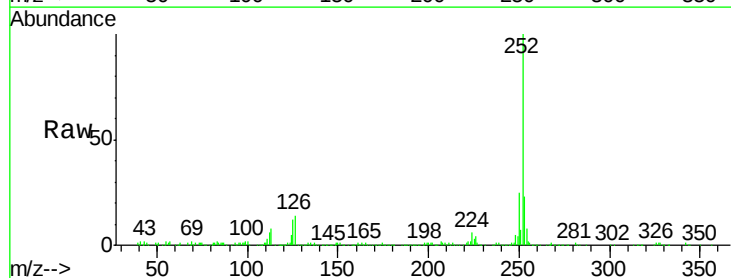


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

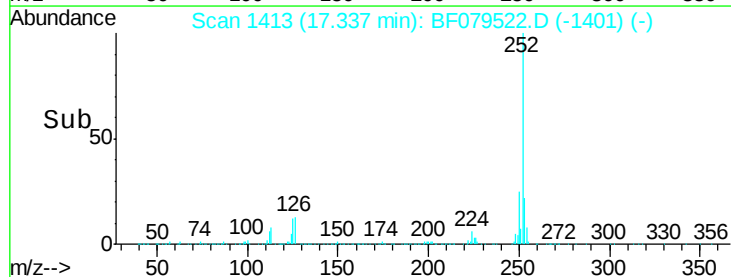
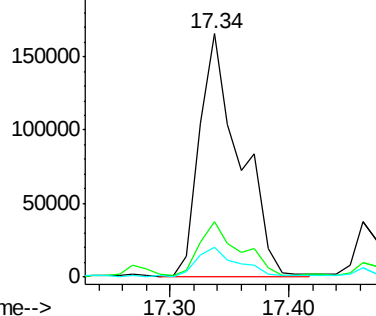


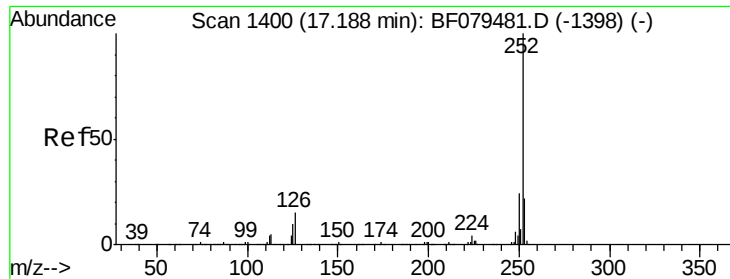
#87
Benzo(b)fluoranthene
Concen: 24.30 ng
RT: 17.34 min Scan# 1413
Delta R.T. -0.05 min
Lab File: BF079522.D
Acq: 27 May 2015 17:03

Tgt Ion:252 Resp: 386821
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 12.0 7.8 11.6#



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

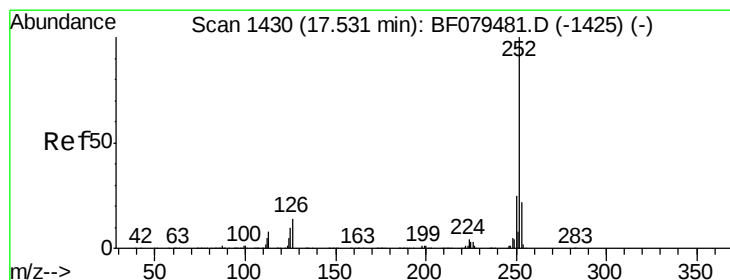
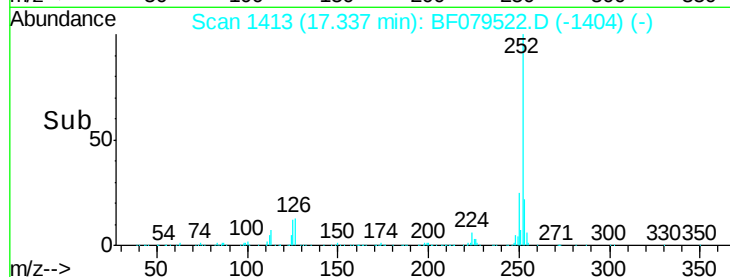
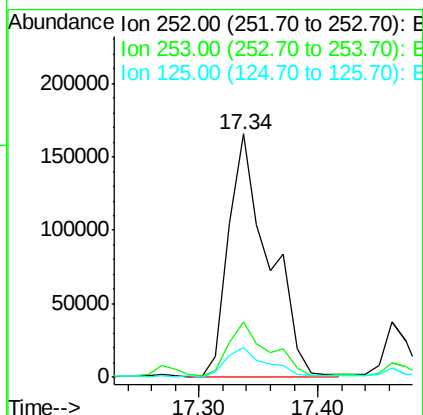
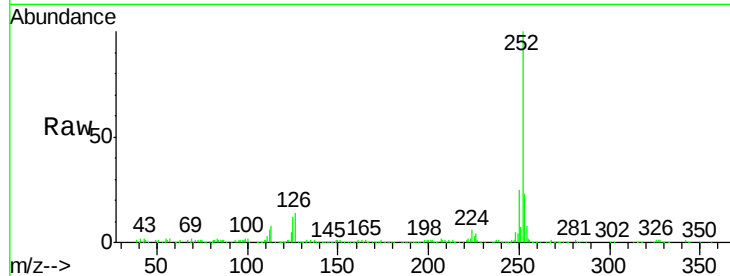




#88
Benzo(k)fluoranthene
Concen: 27.17 ng
RT: 17.34 min Scan# 1413
Delta R.T. -0.08 min
Lab File: BF079522.D
Acq: 27 May 2015 17:03

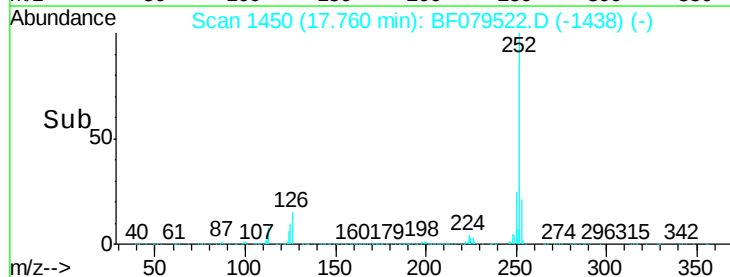
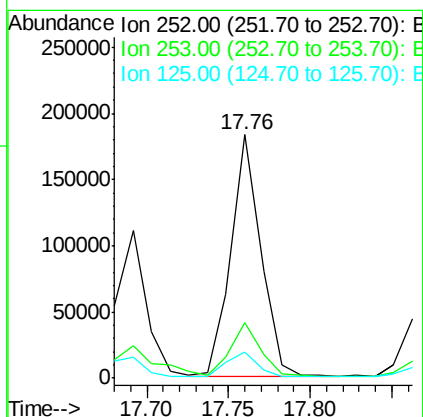
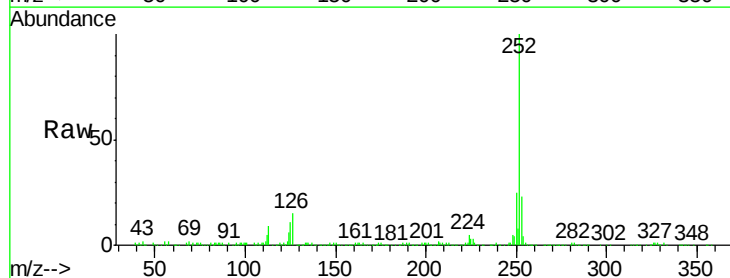
Instrument :
BNA_F
ClientSampleId :
SB-31AS

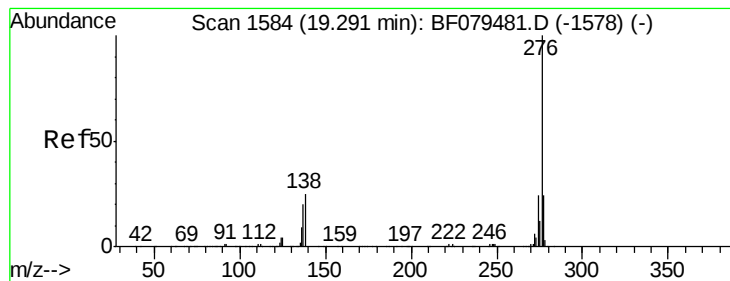
Tgt Ion:252 Resp: 386821
Ion Ratio Lower Upper
252 100
253 22.6 17.2 25.8
125 12.0 6.8 10.2#



#89
Benzo(a)pyrene
Concen: 15.21 ng
RT: 17.76 min Scan# 1450
Delta R.T. -0.05 min
Lab File: BF079522.D
Acq: 27 May 2015 17:03

Tgt Ion:252 Resp: 230155
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 10.8 7.9 11.9





#91

Benzo(g,h,i)perylene

Concen: 8.06 ng

RT: 19.62 min Scan# 1613

Delta R.T. -0.07 min

Lab File: BF079522.D

Acq: 27 May 2015 17:03

Instrument :

BNA_F

ClientSampleId :

SB-31AS

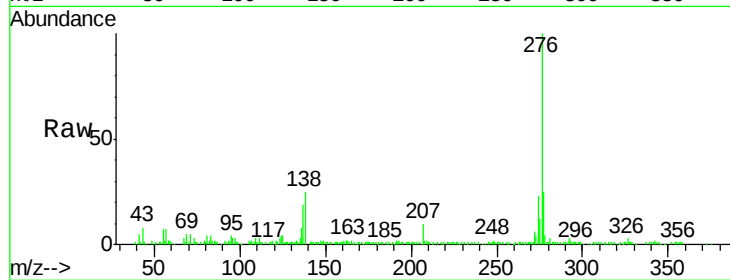
Tgt Ion: 276 Resp: 146908

Ion Ratio Lower Upper

276 100

277 24.9 19.1 28.7

138 24.5 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

