

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
 Data File : BF078530.D
 Acq On : 15 Apr 2015 8:13
 Operator : TP/IZ
 Sample : G1823-05DL 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3DL

Quant Time: Apr 15 11:49:20 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 15 01:10:59 2015
 Response via : Initial Calibration

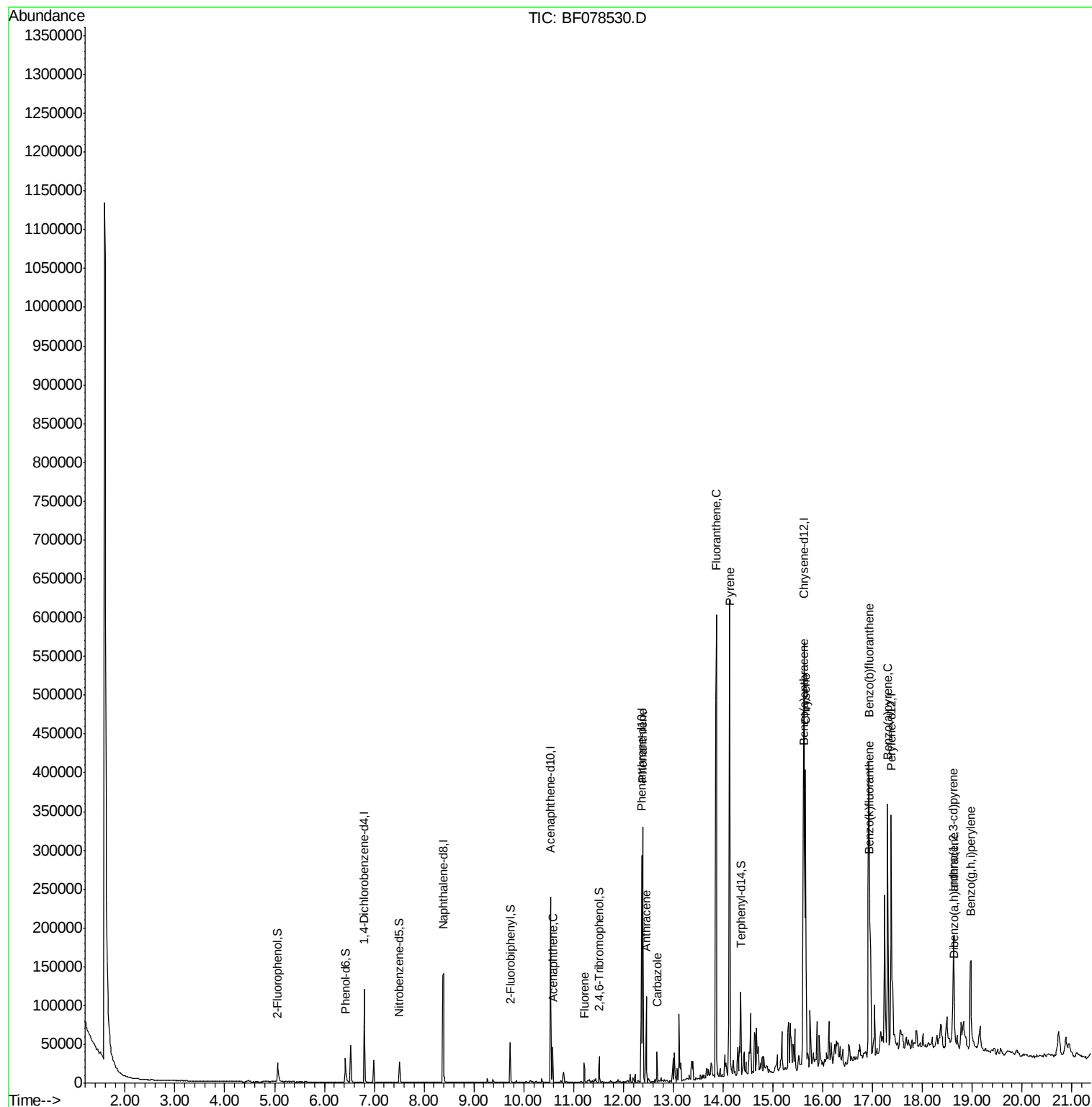
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	24310	20.00	ng	0.00
21) Naphthalene-d8	8.39	136	104184	20.00	ng	0.00
38) Acenaphthene-d10	10.54	164	55442	20.00	ng	0.00
63) Phenanthrene-d10	12.37	188	116704	20.00	ng	0.00
75) Chrysene-d12	15.62	240	137776	20.00	ng	-0.03
86) Perylene-d12	17.37	264	139597	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	13612	9.23	ng	0.01
7) Phenol-d6	6.42	99	18694	10.12	ng	0.01
23) Nitrobenzene-d5	7.51	82	10644	6.19	ng	0.00
41) 2,4,6-Tribromophenol	11.52	330	5040	10.96	ng	0.00
44) 2-Fluorobiphenyl	9.74	172	27318	7.04	ng	0.00
78) Terphenyl-d14	14.35	244	37468	6.15	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	10.58	154	12813	3.95	ng	97
57) Fluorene	11.21	166	10119	2.52	ng	99
70) Phenanthrene	12.39	178	170195	25.21	ng	99
71) Anthracene	12.46	178	47833	7.19	ng	100
72) Carbazole	12.67	167	18092	2.90	ng	97
74) Fluoranthene	13.86	202	349586	49.10	ng	92
77) Pyrene	14.14	202	330208	38.18	ng	98
80) Benzo(a)anthracene	15.61	228	194947	23.78	ng	98
82) Chrysene	15.66	228	166278	21.59	ng	99
85) Indeno(1,2,3-cd)pyrene	18.62	276	94616m	10.83	ng	
87) Benzo(b)fluoranthene	16.93	252	207672m	24.07	ng	
88) Benzo(k)fluoranthene	16.94	252	91988m	12.00	ng	
89) Benzo(a)pyrene	17.30	252	149703	19.88	ng	# 94
90) Dibenzo(a,h)anthracene	18.64	278	24625m	3.27	ng	
91) Benzo(g,h,i)perylene	18.97	276	88493m	11.71	ng	

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

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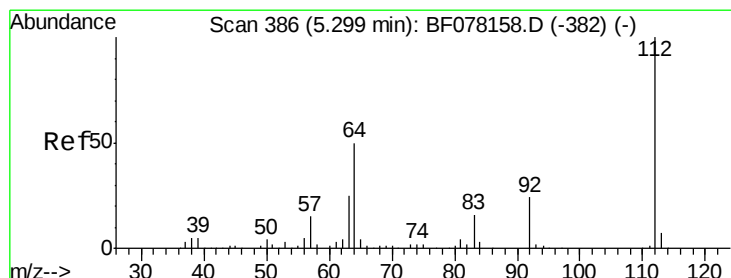
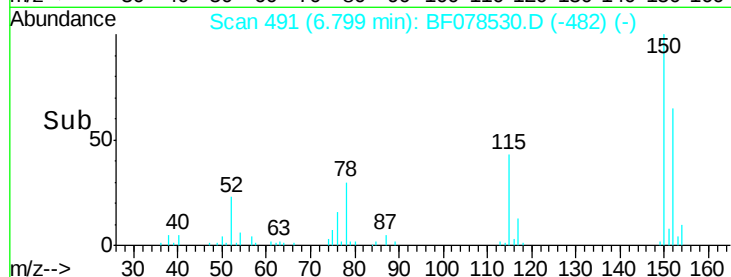
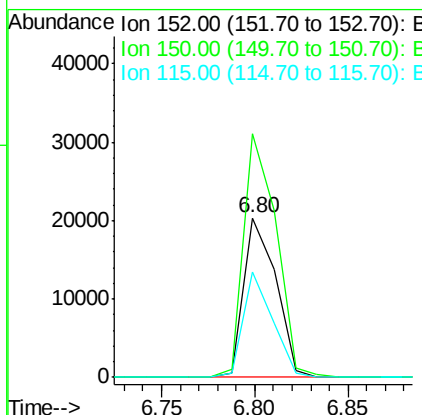
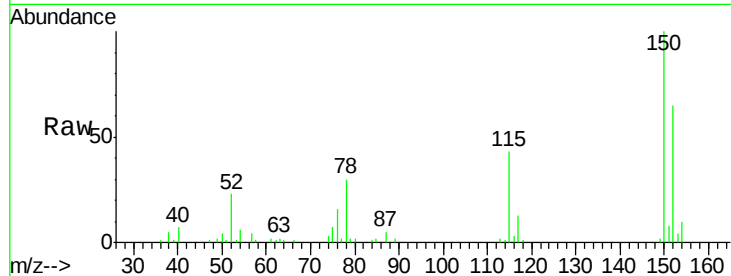




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 491
 Delta R.T. 0.00 min
 Lab File: BF078530.D
 Acq: 15 Apr 2015 8:13

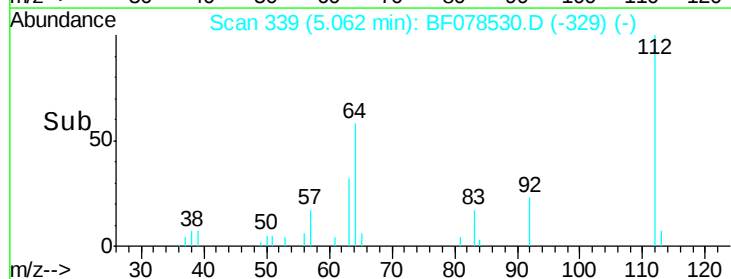
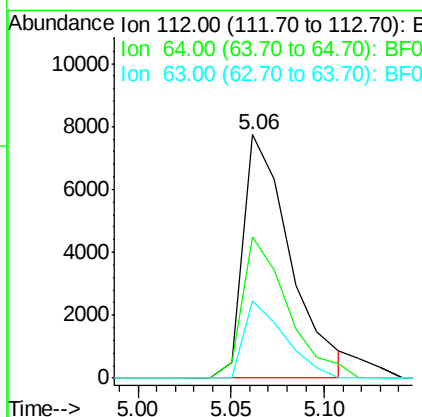
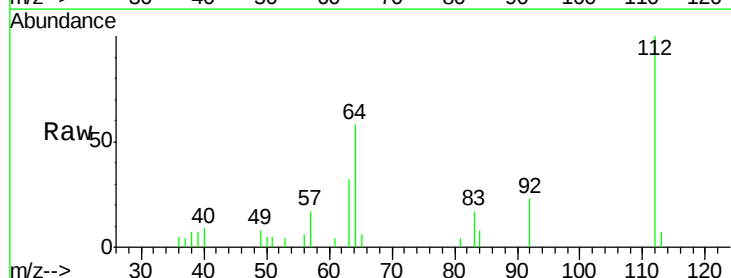
Instrument :
 BNA_F
 ClientSampleId :
 SP-3DL

Tgt Ion:152 Resp: 24310
 Ion Ratio Lower Upper
 152 100
 150 153.0 125.9 188.9
 115 66.4 52.7 79.1



#5
 2-Fluorophenol
 Concen: 9.23 ng
 RT: 5.06 min Scan# 339
 Delta R.T. 0.01 min
 Lab File: BF078530.D
 Acq: 15 Apr 2015 8:13

Tgt Ion:112 Resp: 13612
 Ion Ratio Lower Upper
 112 100
 64 58.2 39.9 59.9
 63 31.9 20.2 30.4#





#7

Phenol-d6

Concen: 10.12 ng

RT: 6.42 min Scan# 458

Delta R.T. 0.01 min

Lab File: BF078530.D

Acq: 15 Apr 2015 8:13

Instrument :

BNA_F

ClientSampleId :

SP-3DL

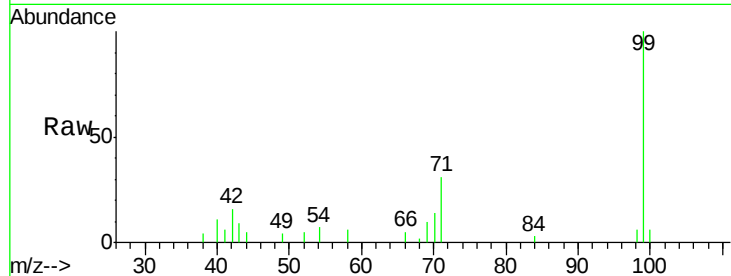
Tgt Ion: 99 Resp: 18694

Ion Ratio Lower Upper

99 100

42 15.8 14.8 22.2

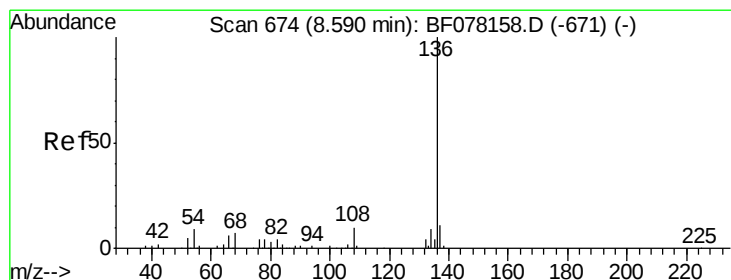
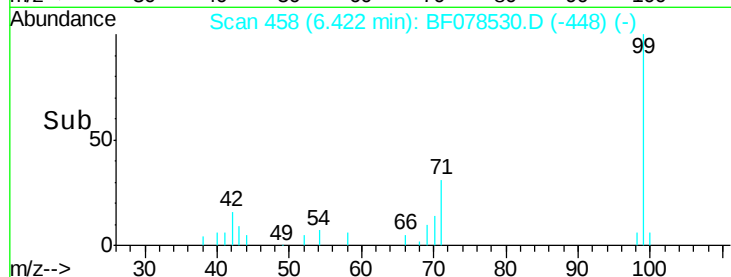
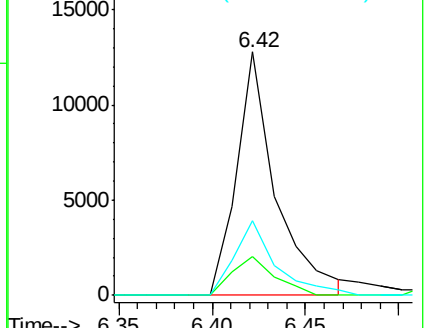
71 30.8 26.6 39.8



Abundance Ion 99.00 (98.70 to 99.70): BF078158.D (-497) (-)

Ion 42.00 (41.70 to 42.70): BF078158.D (-497) (-)

Ion 71.00 (70.70 to 71.70): BF078158.D (-497) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.39 min Scan# 630

Delta R.T. 0.00 min

Lab File: BF078530.D

Acq: 15 Apr 2015 8:13

Tgt Ion: 136 Resp: 104184

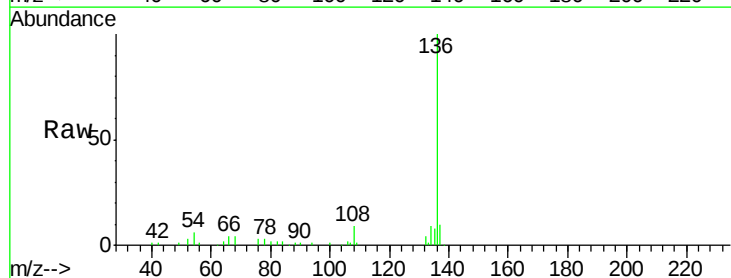
Ion Ratio Lower Upper

136 100

137 10.1 9.0 13.4

54 5.5 7.0 10.6#

68 4.2 5.4 8.2#

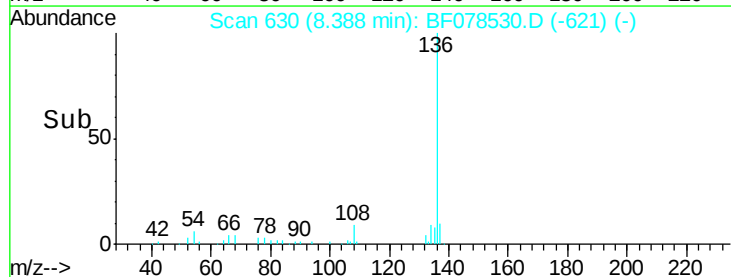
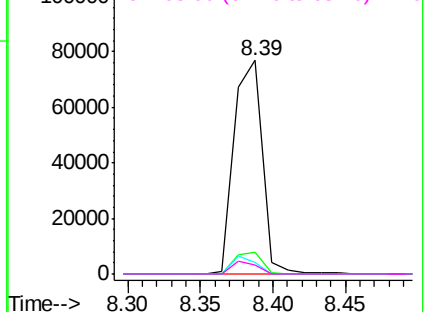


Abundance Ion 136.00 (135.70 to 136.70): BF078158.D (-671) (-)

Ion 137.00 (136.70 to 137.70): BF078158.D (-671) (-)

Ion 54.00 (53.70 to 54.70): BF078158.D (-671) (-)

Ion 68.00 (67.70 to 68.70): BF078158.D (-671) (-)

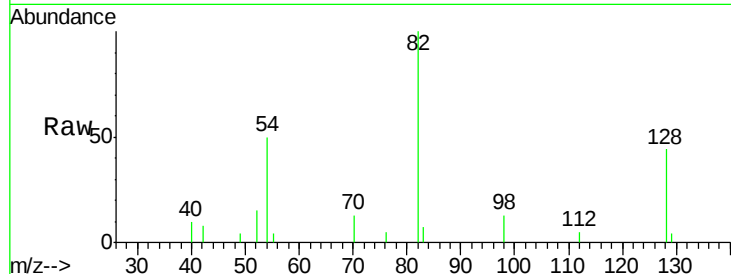




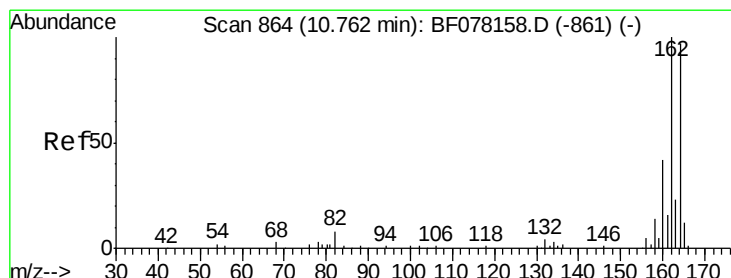
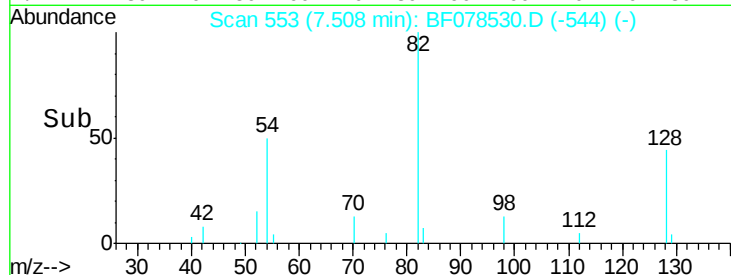
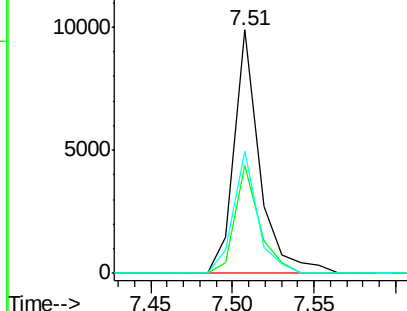
#23
 Nitrobenzene-d5
 Concen: 6.19 ng
 RT: 7.51 min Scan# 553
 Delta R.T. 0.00 min
 Lab File: BF078530.D
 Acq: 15 Apr 2015 8:13

Instrument :
 BNA_F
 ClientSampled :
 SP-3DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.2	31.8	47.8
54	49.9	41.5	62.3

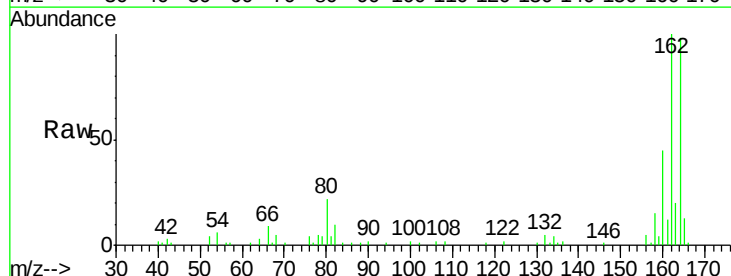


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

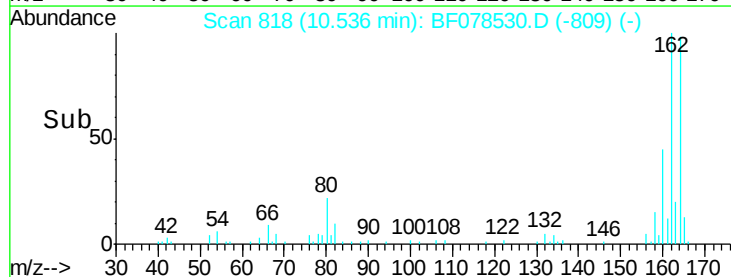
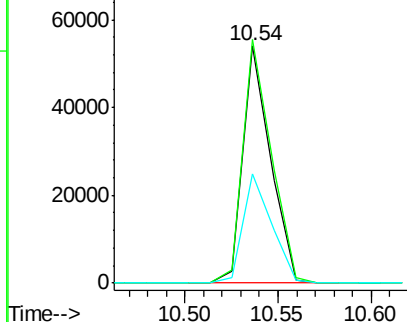


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.54 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: BF078530.D
 Acq: 15 Apr 2015 8:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.2	123.2
160	45.9	34.7	52.1



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

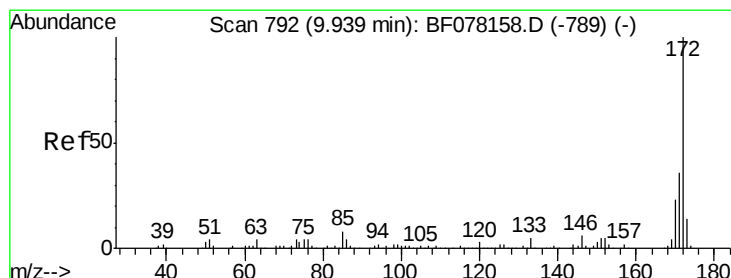
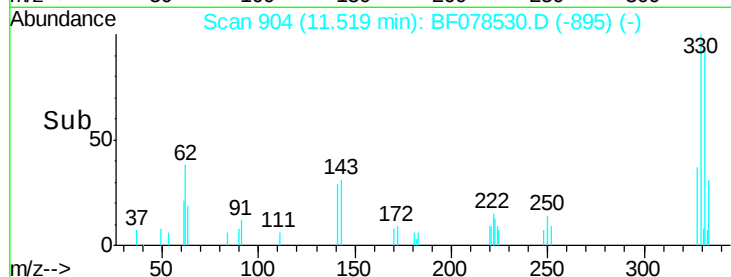
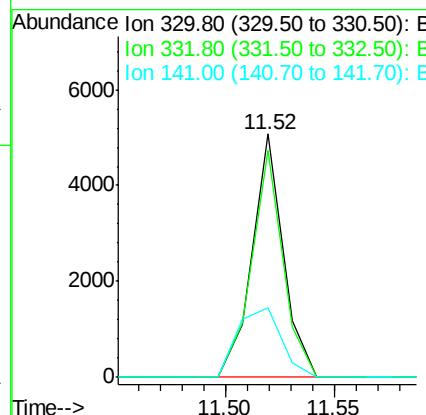
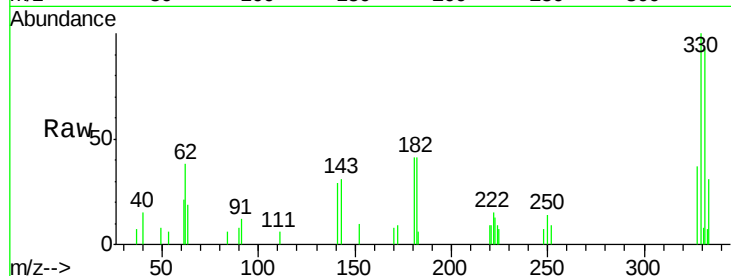




#41
 2,4,6-Tribromophenol
 Concen: 10.96 ng
 RT: 11.52 min Scan# 904
 Delta R.T. 0.00 min
 Lab File: BF078530.D
 Acq: 15 Apr 2015 8:13

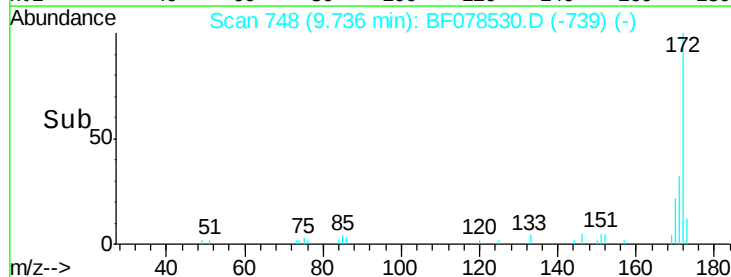
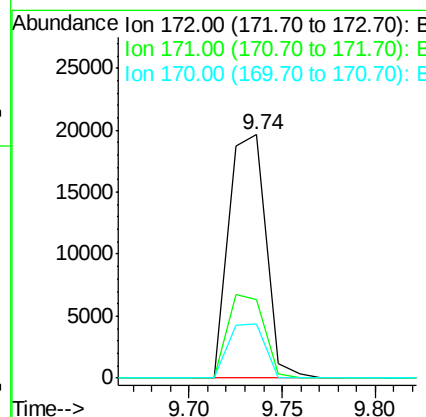
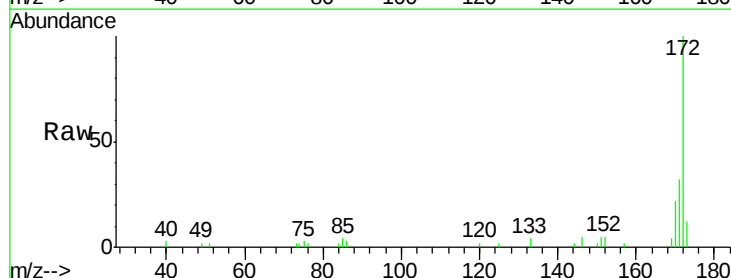
Instrument :
 BNA_F
 ClientSampleId :
 SP-3DL

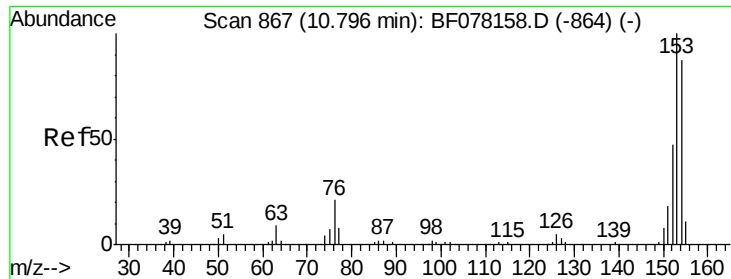
Tgt Ion:330 Resp: 5040
 Ion Ratio Lower Upper
 330 100
 332 93.8 78.6 117.8
 141 40.6 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 7.04 ng
 RT: 9.74 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BF078530.D
 Acq: 15 Apr 2015 8:13

Tgt Ion:172 Resp: 27318
 Ion Ratio Lower Upper
 172 100
 171 32.4 28.6 42.8
 170 22.4 18.5 27.7





#51

Acenaphthene

Concen: 3.95 ng

RT: 10.58 min Scan# 822

Delta R.T. 0.00 min

Lab File: BF078530.D

Acq: 15 Apr 2015 8:13

Instrument :

BNA_F

ClientSampleId :

SP-3DL

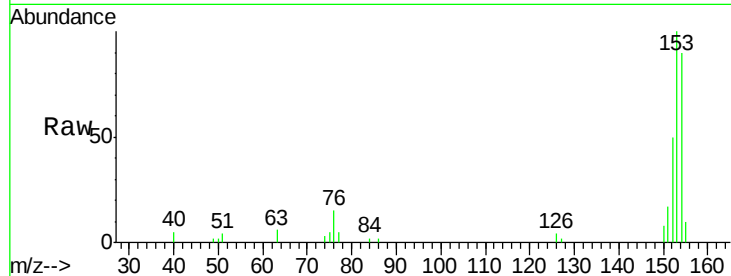
Tgt Ion:154 Resp: 12813

Ion Ratio Lower Upper

154 100

153 111.2 91.4 137.2

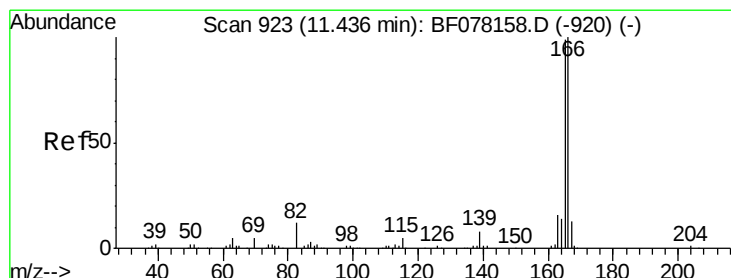
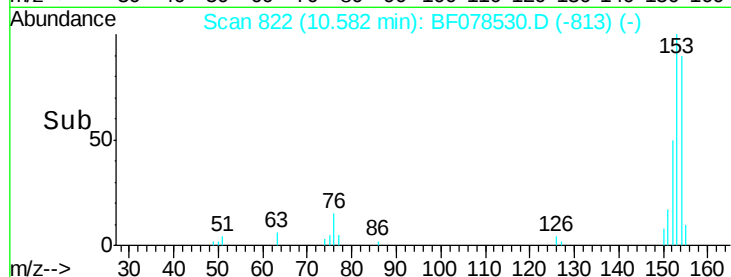
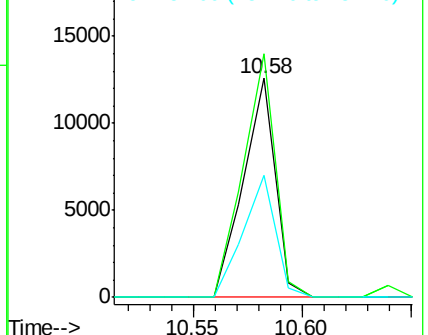
152 55.6 43.0 64.6



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



#57

Fluorene

Concen: 2.52 ng

RT: 11.21 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF078530.D

Acq: 15 Apr 2015 8:13

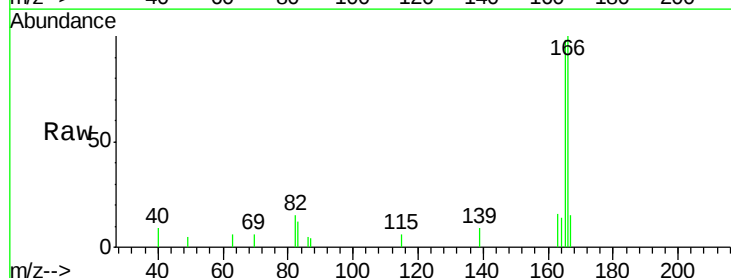
Tgt Ion:166 Resp: 10119

Ion Ratio Lower Upper

166 100

165 97.5 78.9 118.3

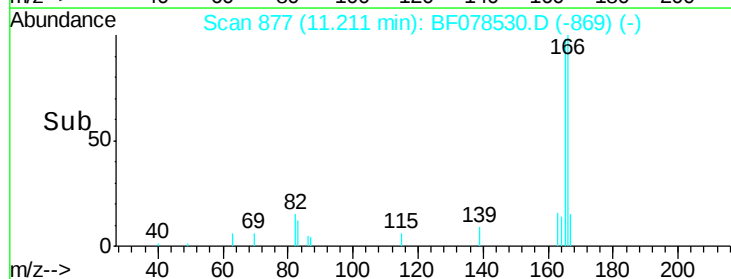
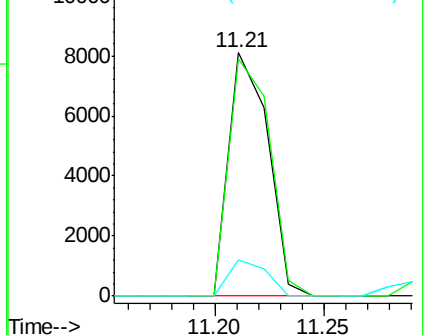
167 14.6 10.7 16.1

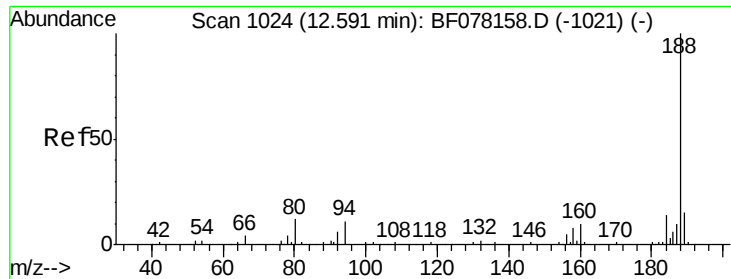


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

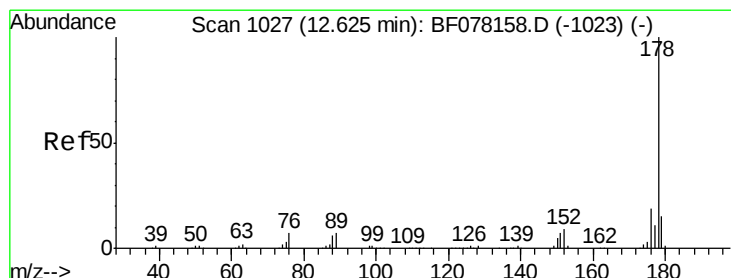
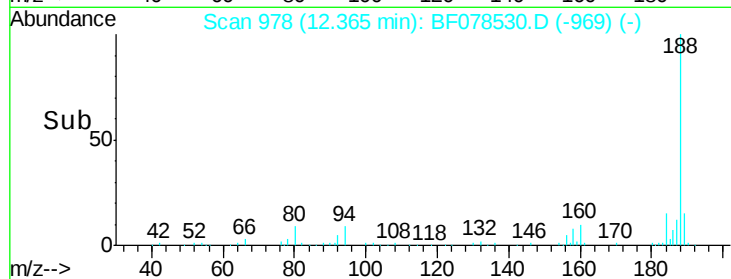
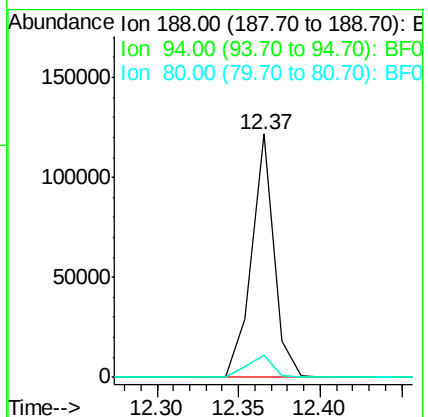
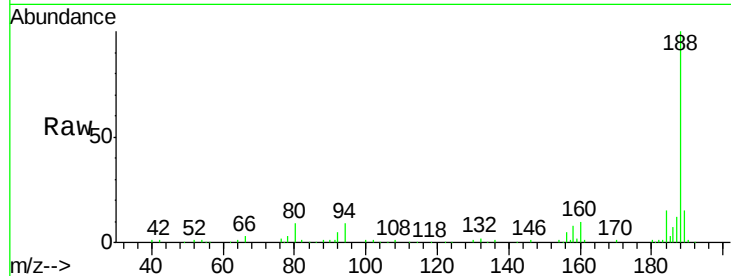




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.37 min Scan# 978
Delta R.T. 0.00 min
Lab File: BF078530.D
Acq: 15 Apr 2015 8:13

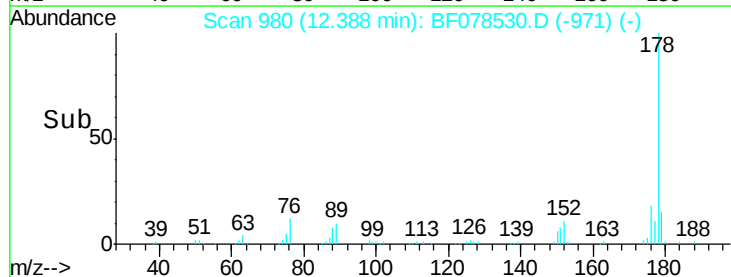
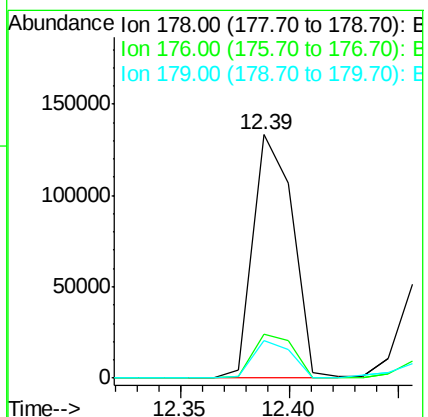
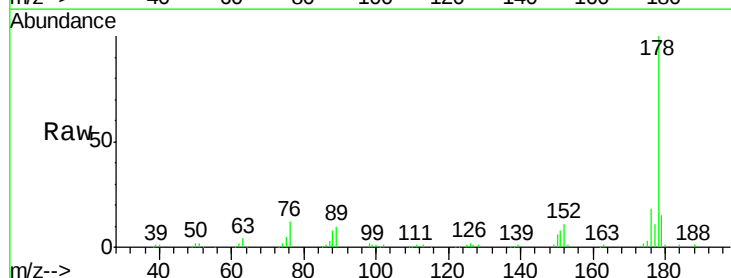
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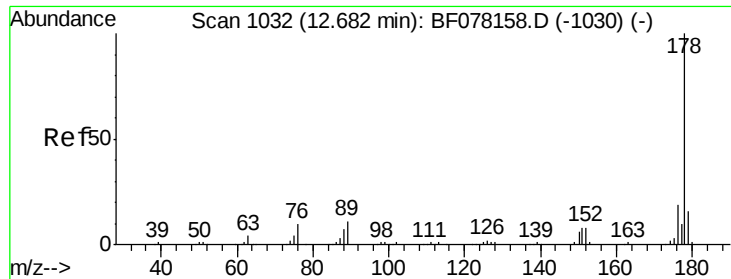
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	9.0	13.4
80	9.3	9.5	14.3#



#70
Phenanthrene
Concen: 25.21 ng
RT: 12.39 min Scan# 980
Delta R.T. 0.00 min
Lab File: BF078530.D
Acq: 15 Apr 2015 8:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.0
179	15.2	12.2	18.2

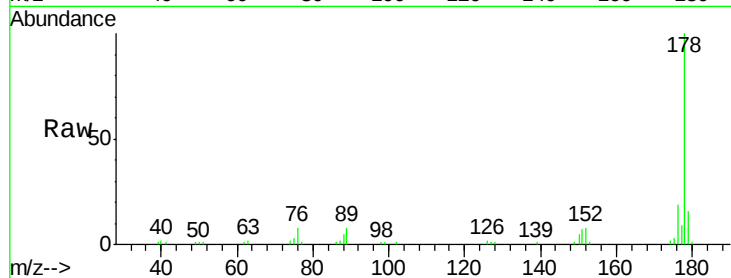




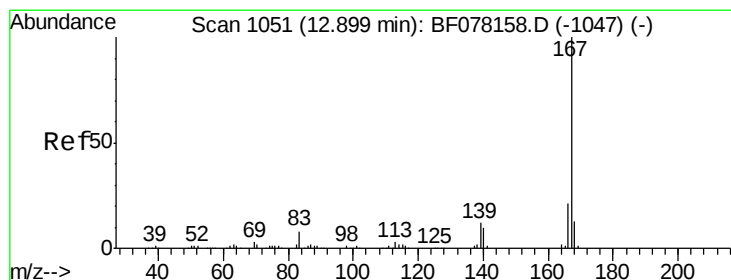
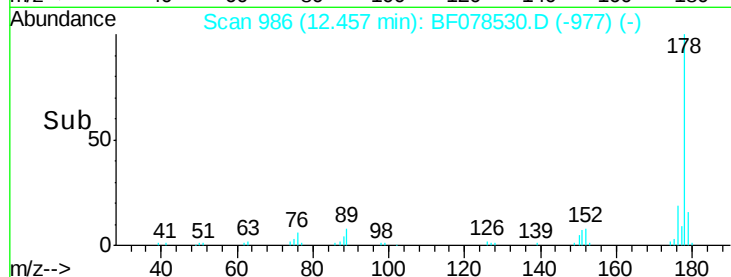
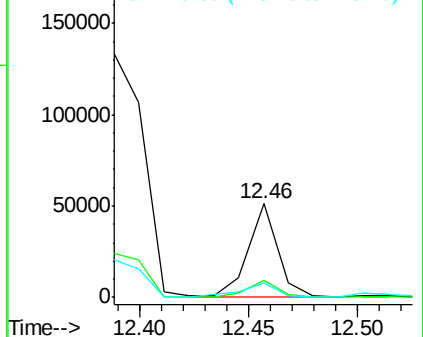
#71
 Anthracene
 Concen: 7.19 ng
 RT: 12.46 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: BF078530.D
 Acq: 15 Apr 2015 8:13

Instrument :
 BNA_F
 ClientSampleId :
 SP-3DL

Tgt Ion:178 Resp: 47833
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.8 22.2
 179 15.5 12.4 18.6

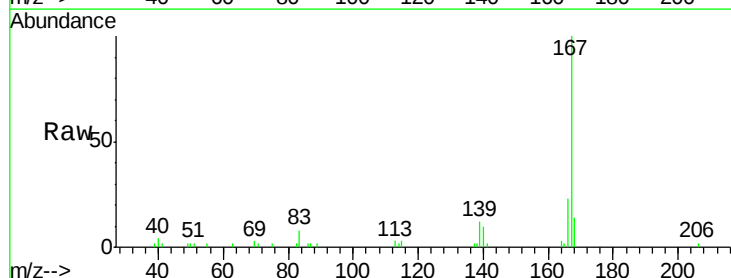


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

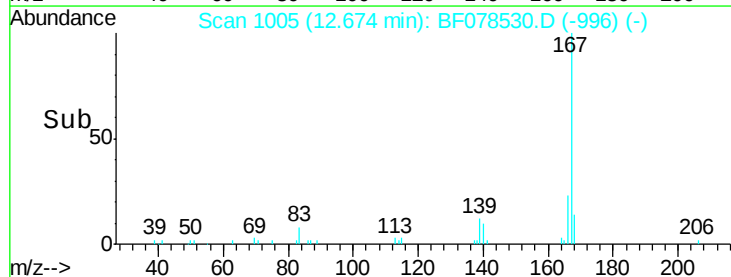
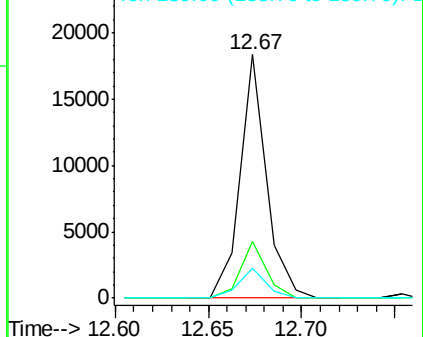


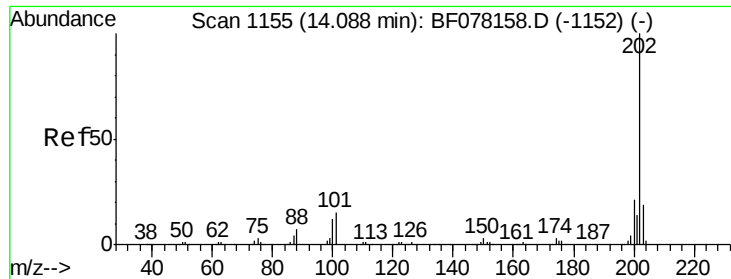
#72
 Carbazole
 Concen: 2.90 ng
 RT: 12.67 min Scan# 1005
 Delta R.T. 0.00 min
 Lab File: BF078530.D
 Acq: 15 Apr 2015 8:13

Tgt Ion:167 Resp: 18092
 Ion Ratio Lower Upper
 167 100
 166 23.5 16.8 25.2
 139 12.3 10.0 15.0



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: 49.10 ng

RT: 13.86 min Scan# 1109

Delta R.T. 0.01 min

Lab File: BF078530.D

Acq: 15 Apr 2015 8:13

Instrument :

BNA_F

ClientSampleId :

SP-3DL

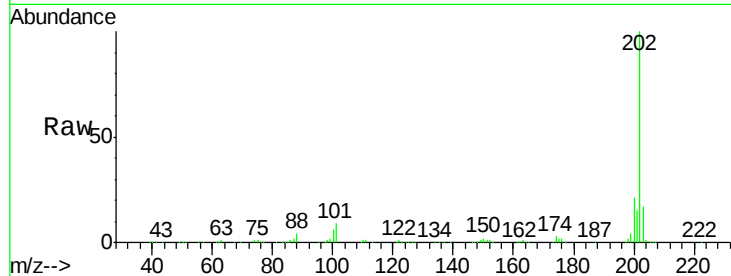
Tgt Ion:202 Resp: 349586

Ion Ratio Lower Upper

202 100

101 8.5 0.0 35.2

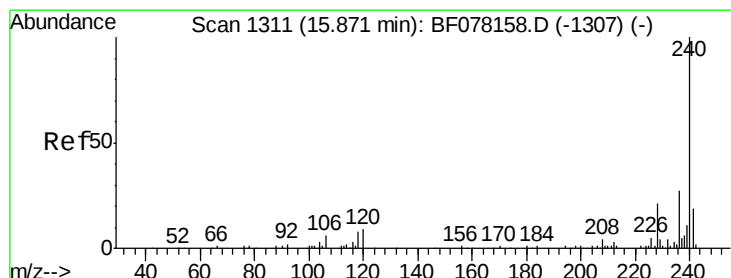
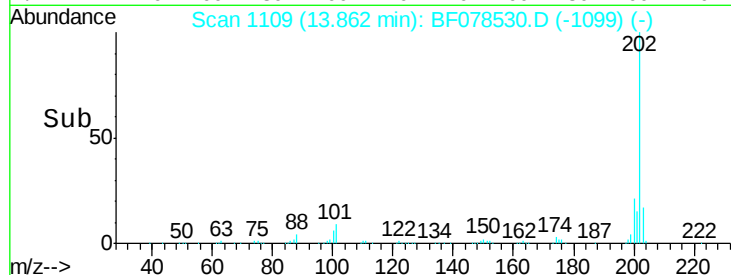
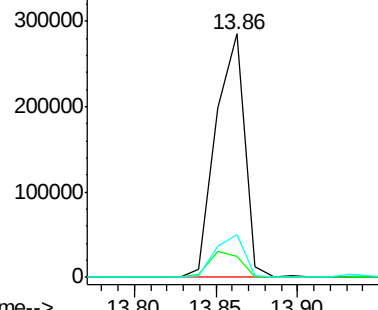
203 17.5 0.0 38.5



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: 15.62 min Scan# 1263

Delta R.T. -0.03 min

Lab File: BF078530.D

Acq: 15 Apr 2015 8:13

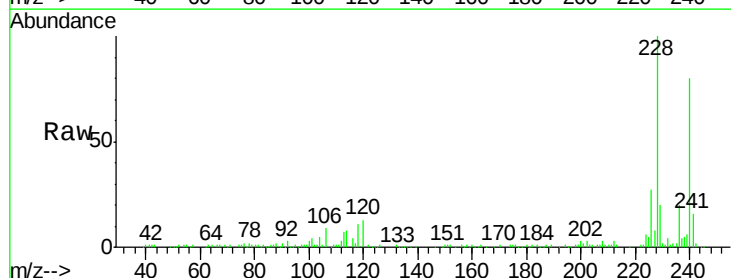
Tgt Ion:240 Resp: 137776

Ion Ratio Lower Upper

240 100

120 15.7 7.1 10.7#

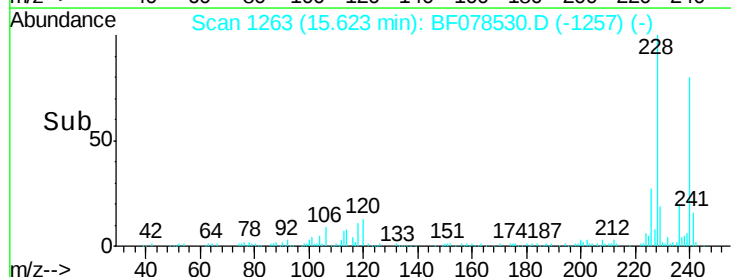
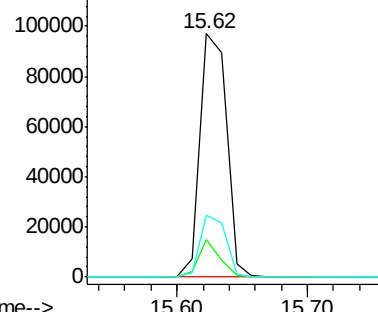
236 25.2 21.4 32.2

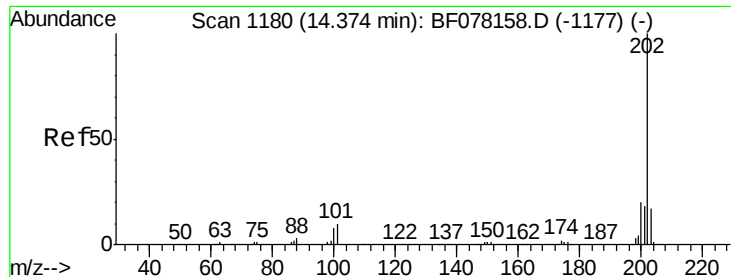


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 38.18 ng

RT: 14.14 min Scan# 1133

Delta R.T. 0.01 min

Lab File: BF078530.D

Acq: 15 Apr 2015 8:13

Instrument :

BNA_F

ClientSampleId :

SP-3DL

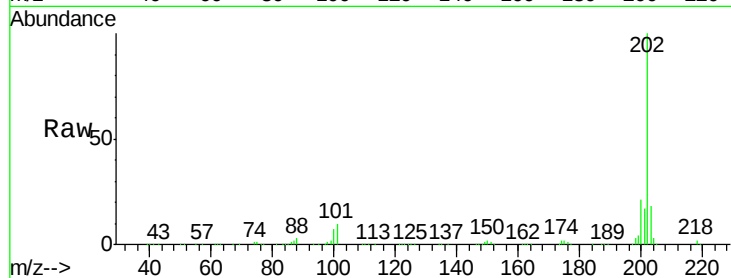
Tgt Ion: 202 Resp: 330208

Ion Ratio Lower Upper

202 100

200 21.1 16.3 24.5

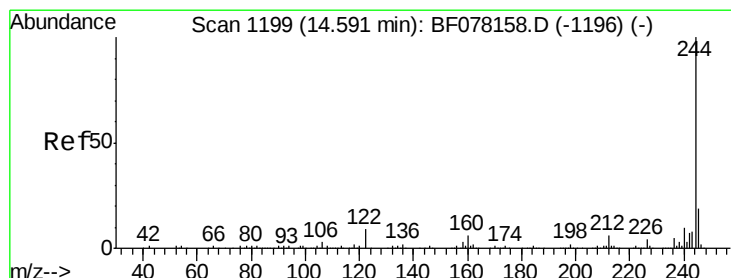
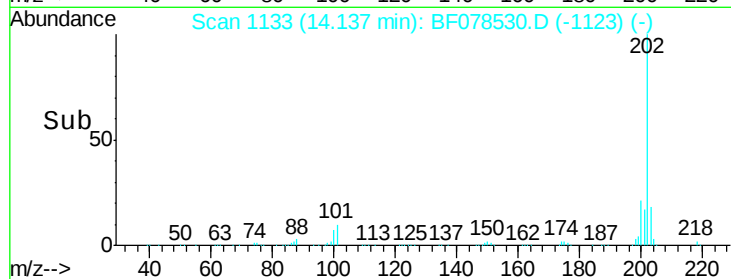
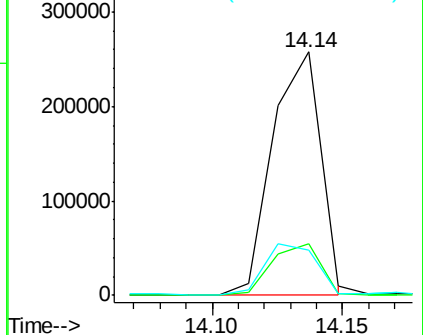
203 18.4 13.8 20.6



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: 6.15 ng

RT: 14.35 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BF078530.D

Acq: 15 Apr 2015 8:13

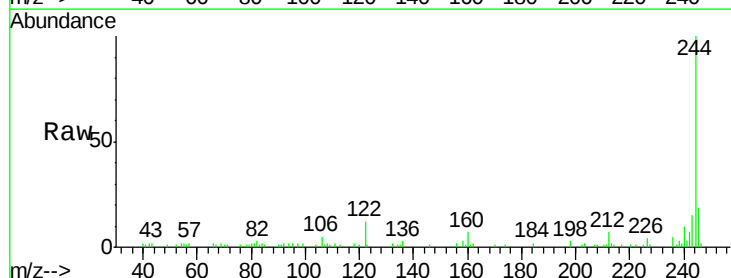
Tgt Ion: 244 Resp: 37468

Ion Ratio Lower Upper

244 100

212 6.5 5.0 7.4

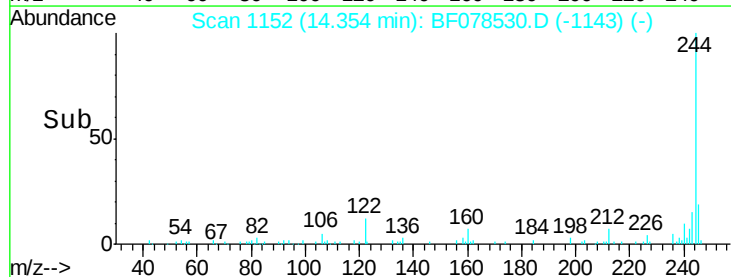
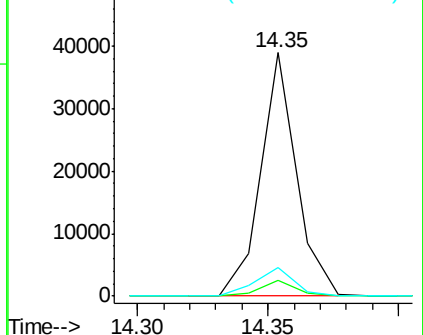
122 11.9 7.1 10.7#

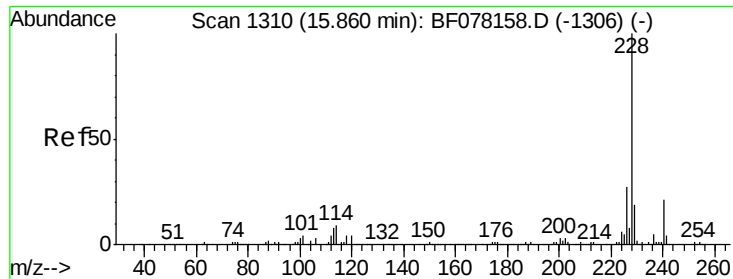


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 23.78 ng

RT: 15.61 min Scan# 1262

Delta R.T. -0.03 min

Lab File: BF078530.D

Acq: 15 Apr 2015 8:13

Instrument :

BNA_F

ClientSampleId :

SP-3DL

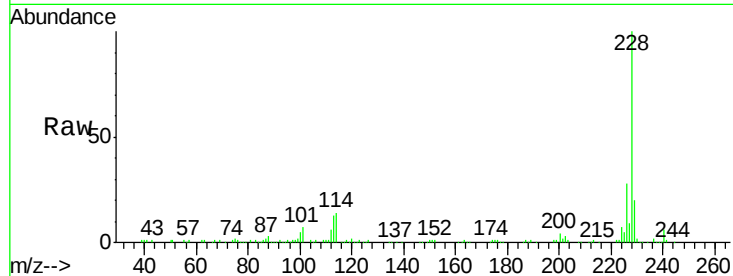
Tgt Ion:228 Resp: 194947

Ion Ratio Lower Upper

228 100

226 27.7 21.3 31.9

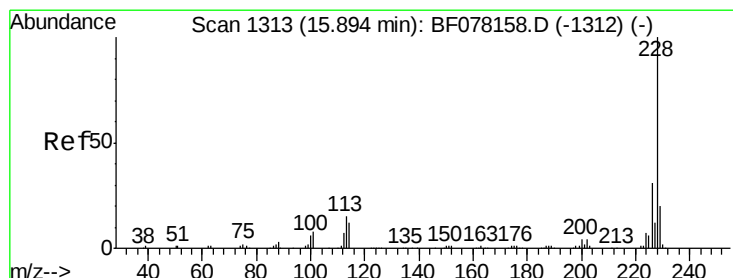
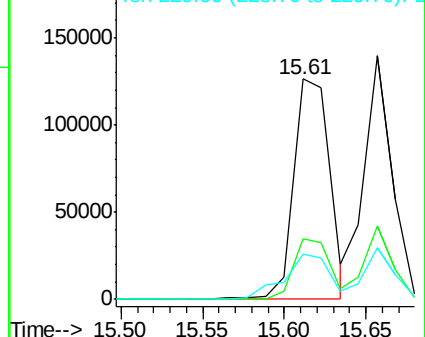
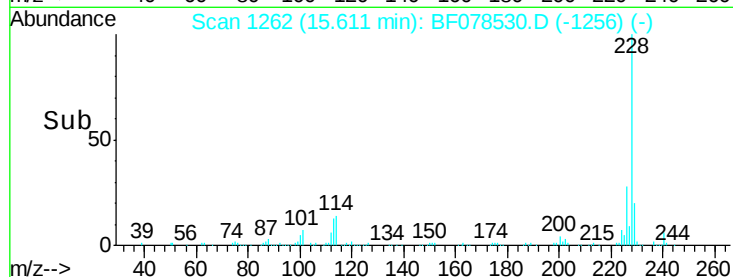
229 20.2 15.4 23.2



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: 21.59 ng

RT: 15.66 min Scan# 1266

Delta R.T. -0.03 min

Lab File: BF078530.D

Acq: 15 Apr 2015 8:13

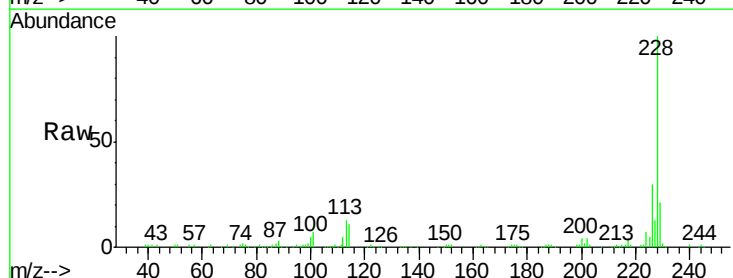
Tgt Ion:228 Resp: 166278

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.4

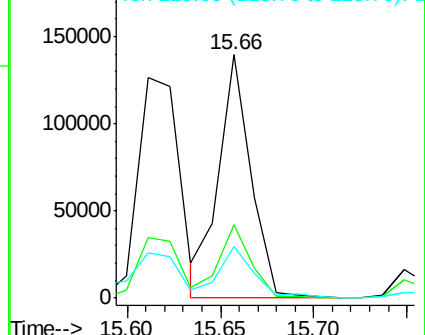
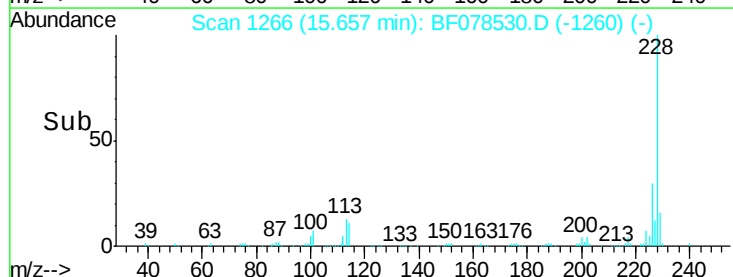
229 21.4 15.8 23.8

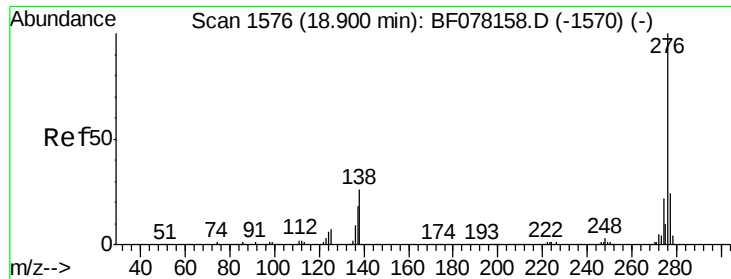


Abundance Ion 228.00 (227.70 to 228.70): E

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: 10.83 ng m

RT: 18.62 min Scan# 1525

Delta R.T. -0.19 min

Lab File: BF078530.D

Acq: 15 Apr 2015 8:13

Instrument :

BNA_F

ClientSampleId :

SP-3DL

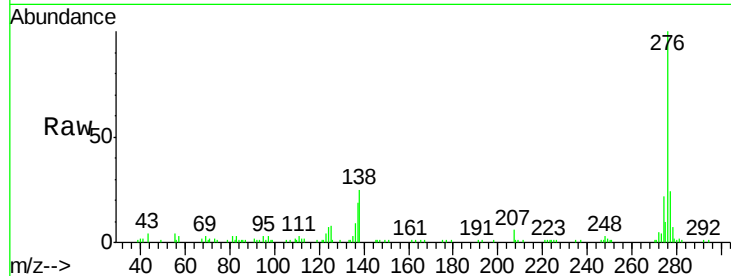
Tgt Ion:276 Resp: 94616

Ion Ratio Lower Upper

276 100

138 3.1 16.9 25.3#

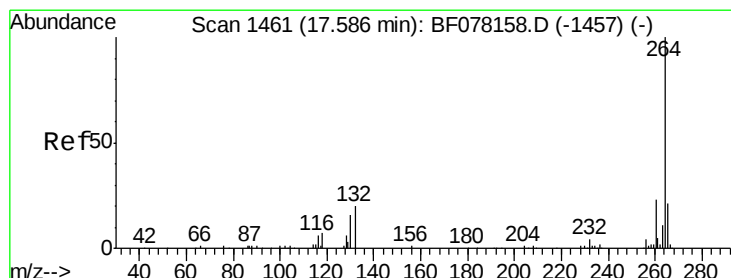
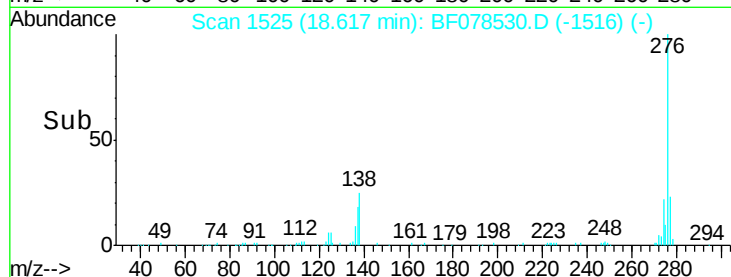
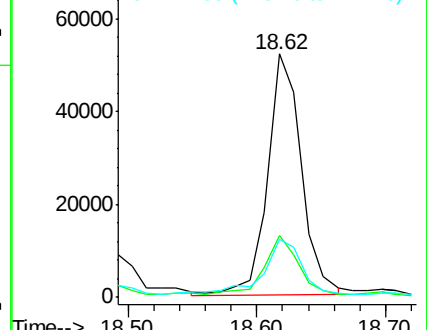
277 1.7 15.8 23.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.37 min Scan# 1416

Delta R.T. -0.11 min

Lab File: BF078530.D

Acq: 15 Apr 2015 8:13

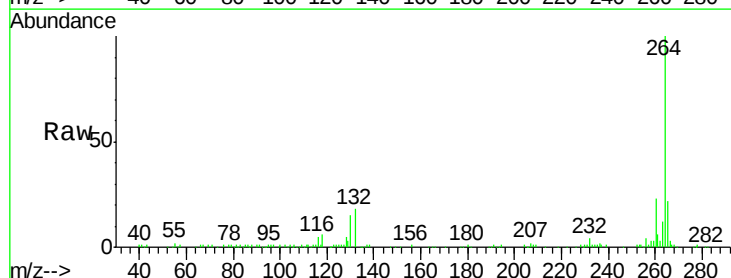
Tgt Ion:264 Resp: 139597

Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

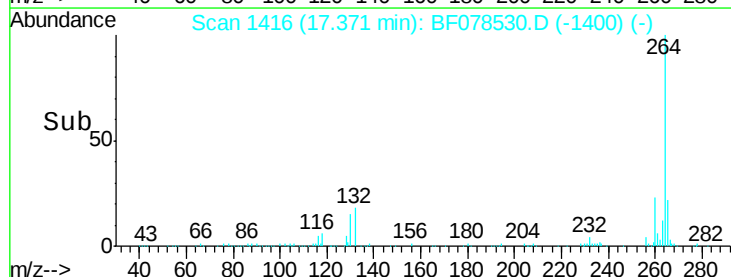
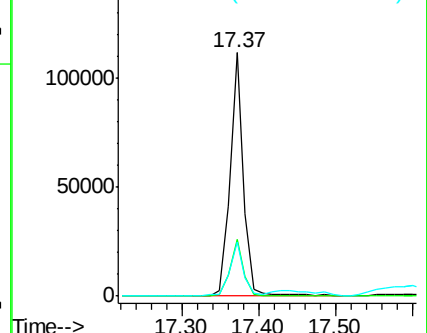
265 22.2 17.0 25.6

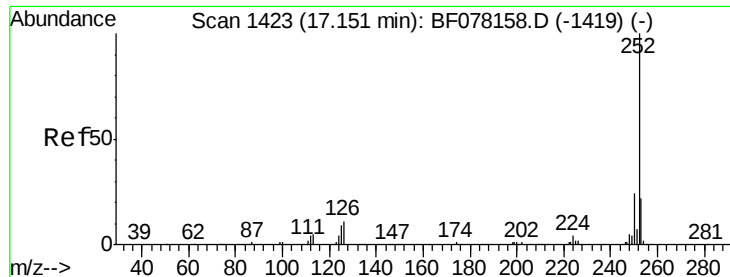


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 24.07 ng m

RT: 16.93 min Scan# 1377

Delta R.T. -0.09 min

Lab File: BF078530.D

Acq: 15 Apr 2015 8:13

Instrument :

BNA_F

ClientSampleId :

SP-3DL

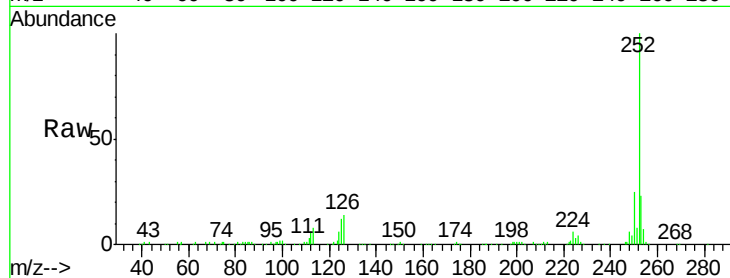
Tgt Ion:252 Resp: 207672

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

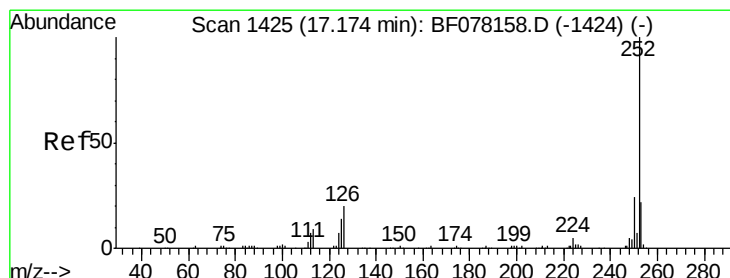
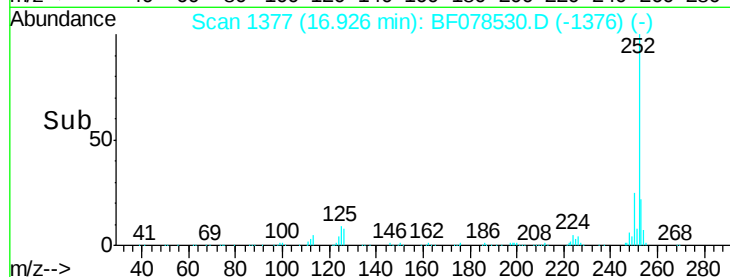
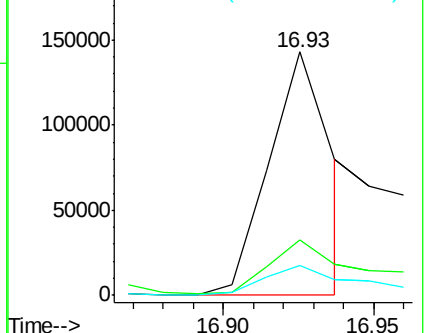
125 12.2 7.0 10.4#



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: 12.00 ng m

RT: 16.94 min Scan# 1378

Delta R.T. -0.11 min

Lab File: BF078530.D

Acq: 15 Apr 2015 8:13

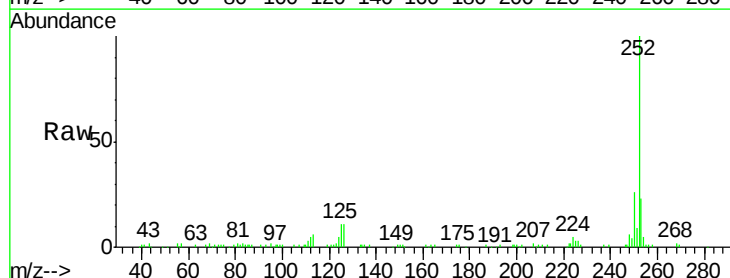
Tgt Ion:252 Resp: 91988

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

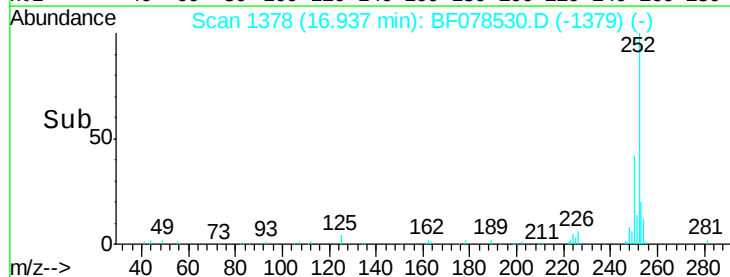
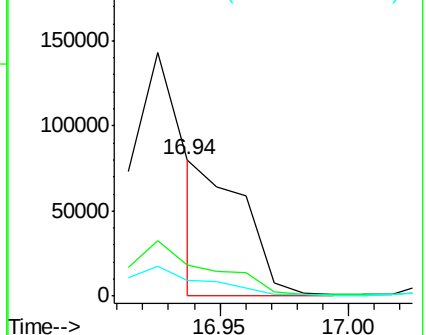
125 11.4 11.6 17.4#

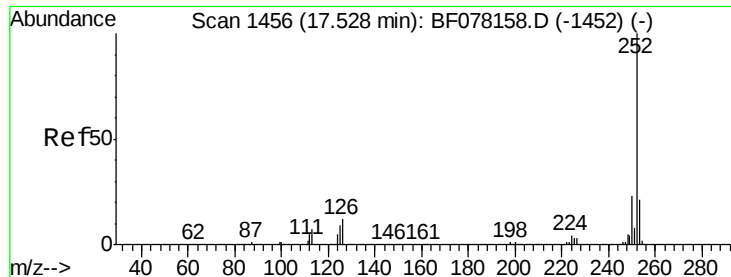


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 19.88 ng

RT: 17.30 min Scan# 1410

Delta R.T. -0.11 min

Lab File: BF078530.D

Acq: 15 Apr 2015 8:13

Instrument :

BNA_F

ClientSampleId :

SP-3DL

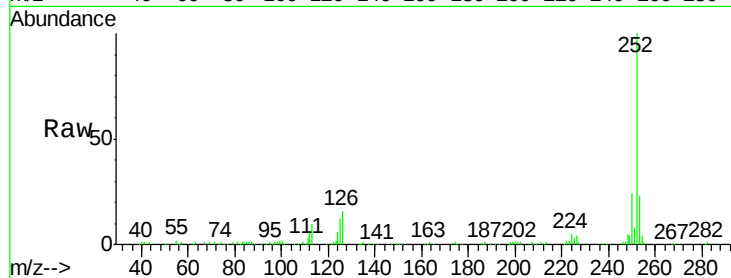
Tgt Ion:252 Resp: 149703

Ion Ratio Lower Upper

252 100

253 23.1 16.8 25.2

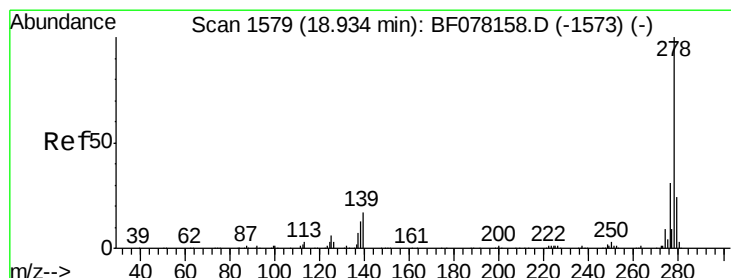
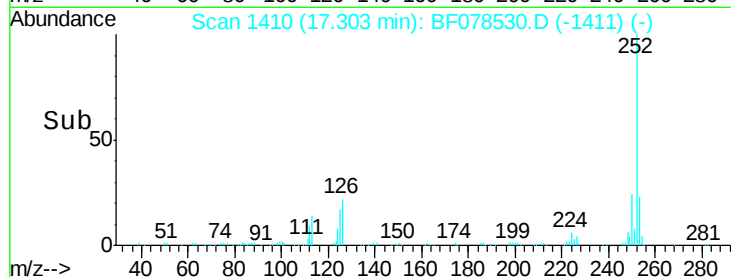
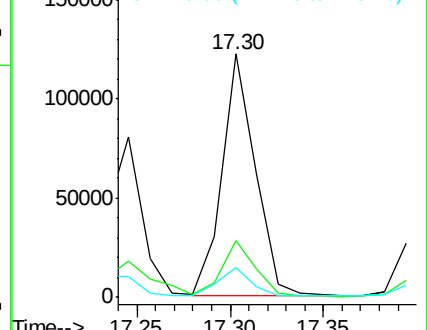
125 12.4 7.4 11.0#



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: 3.27 ng m

RT: 18.64 min Scan# 1527

Delta R.T. -0.19 min

Lab File: BF078530.D

Acq: 15 Apr 2015 8:13

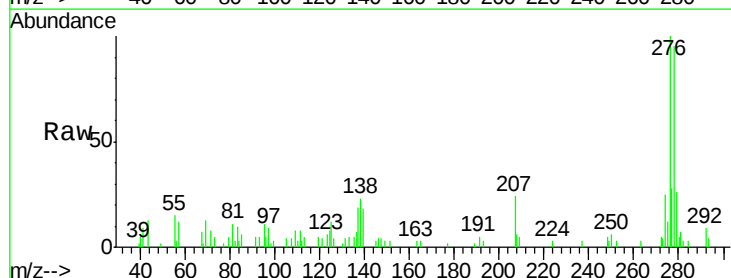
Tgt Ion:278 Resp: 24625

Ion Ratio Lower Upper

278 100

139 18.7 13.6 20.4

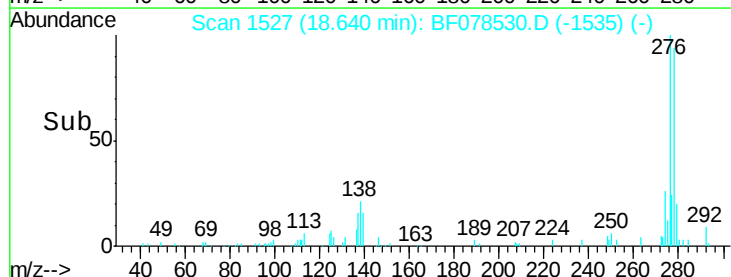
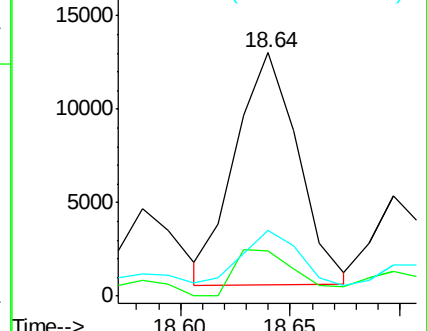
279 26.8 19.0 28.6

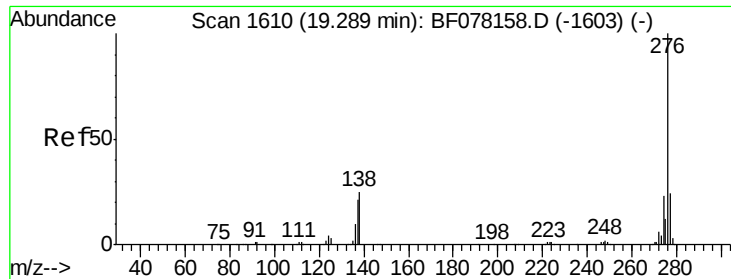


Abundance Ion 278.00 (277.70 to 278.70): E

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: 11.71 ng m

RT: 18.97 min Scan# 1556

Delta R.T. -0.18 min

Lab File: BF078530.D

Acq: 15 Apr 2015 8:13

Instrument :

BNA_F

ClientSampleId :

SP-3DL

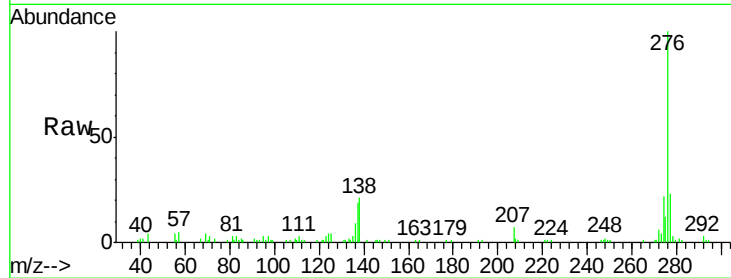
Tgt Ion: 276 Resp: 88493

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.4

138 20.8 19.9 29.9



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

