

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 07:52:03 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

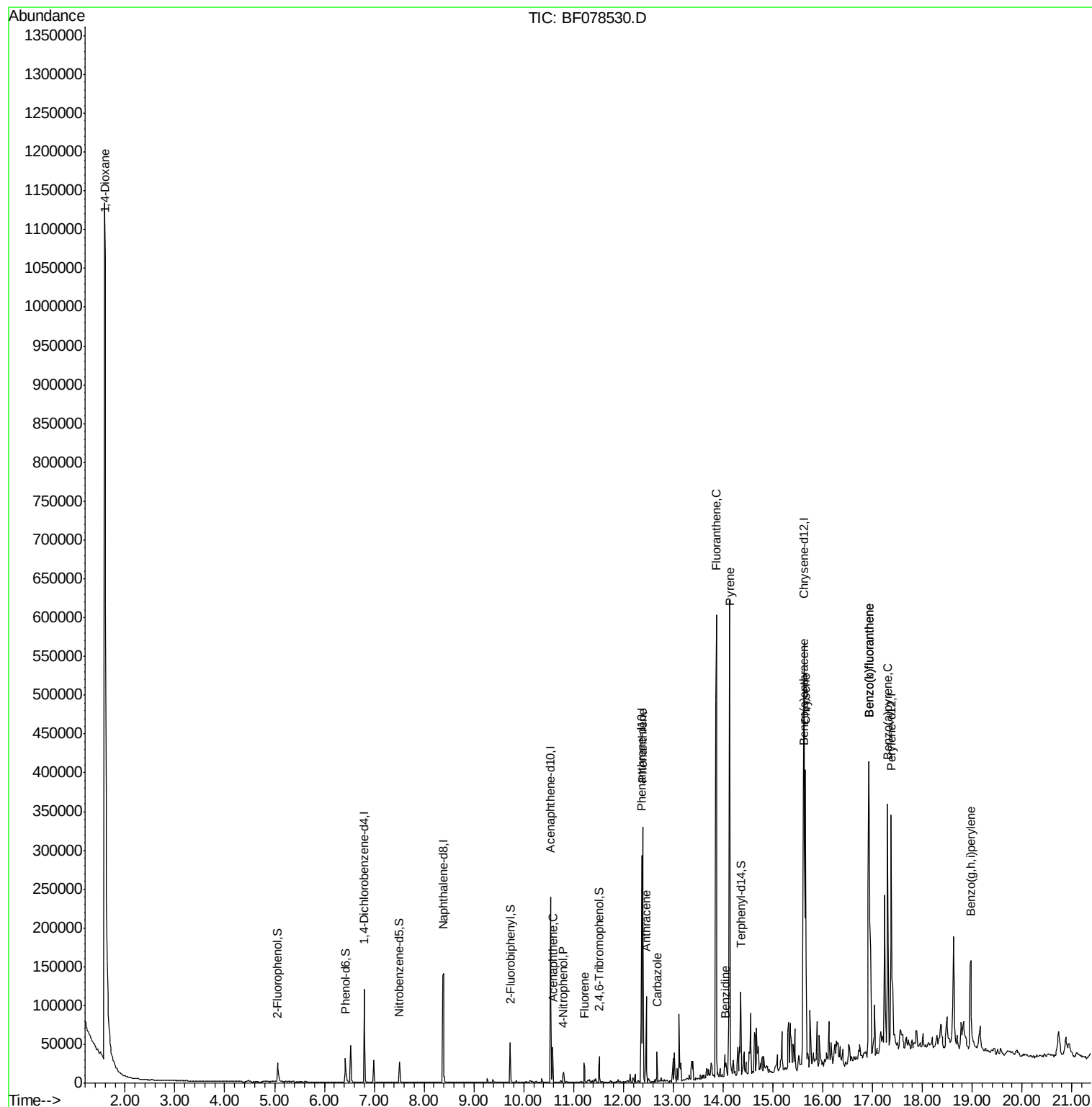
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.60	88	56476	84.71	ng	# 25
51) Acenaphthene	10.58	154	12813	3.95	ng	97
55) 4-Nitrophenol	10.80	139	3521	7.50	ng	# 18
57) Fluorene	11.21	166	10119	2.52	ng	99
70) Phenanthrene	12.39	178	170195	25.21	ng	99
71) Anthracene	12.46	178	47833	7.19	ng	100
72) Carbazole	12.67	167	18092	2.90	ng	97
74) Fluoranthene	13.86	202	349586	49.10	ng	92
76) Benzidine	14.06	184	11672	2.20	ng	97
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
87) Benzo(b)fluoranthene	16.93	252	291744	33.82	ng	# 95
88) Benzo(k)fluoranthene	16.93	252	296989	38.74	ng	97
89) Benzo(a)pyrene	17.30	252	149703	19.88	ng	# 94
91) Benzo(g,h,i)perylene	18.97	276	72305	9.57	ng	95

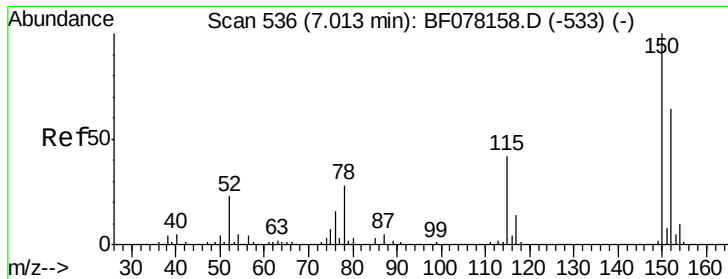
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 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

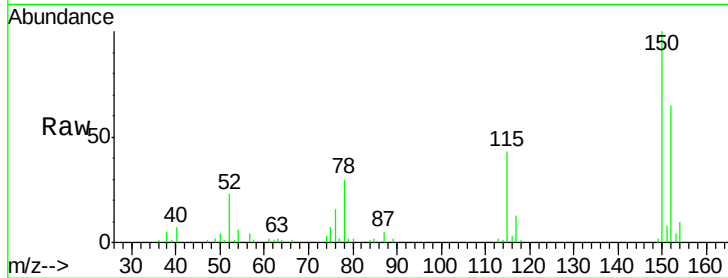
Tgt Ion:152 Resp: 24310

Ion Ratio Lower Upper

152 100

150 153.0 125.9 188.9

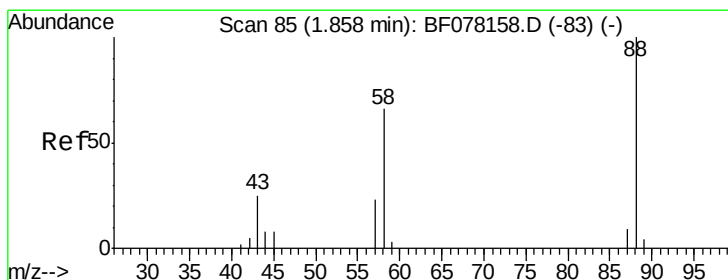
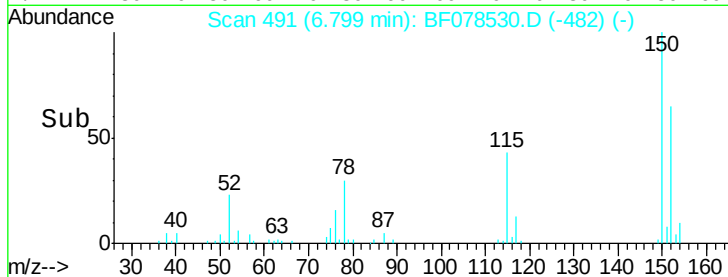
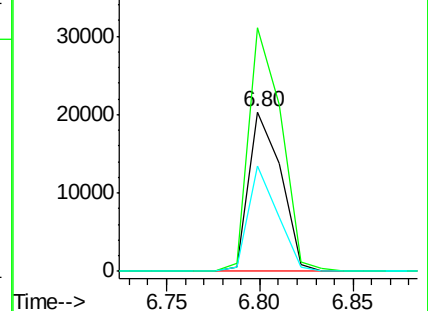
115 66.4 52.7 79.1



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



#2

1,4-Dioxane

Concen: 84.71 ng

RT: 1.60 min Scan# 36

Delta R.T. 0.01 min

Lab File: BF078530.D

Acq: 15 Apr 2015 8:13

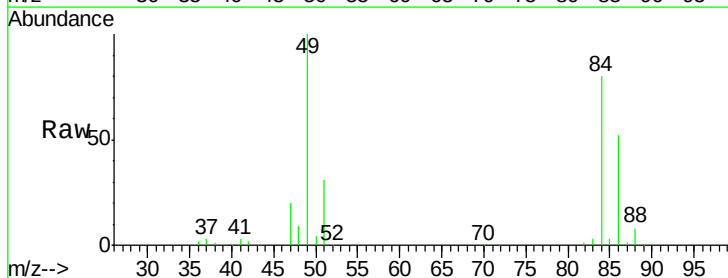
Tgt Ion: 88 Resp: 56476

Ion Ratio Lower Upper

88 100

58 0.0 56.9 85.3#

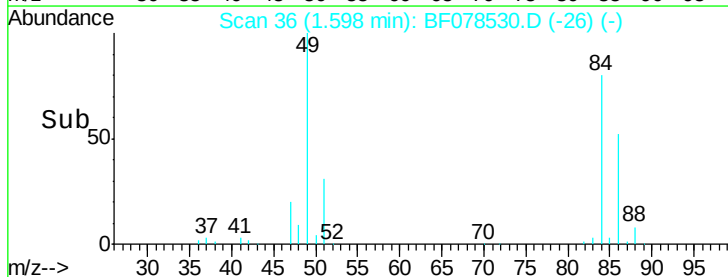
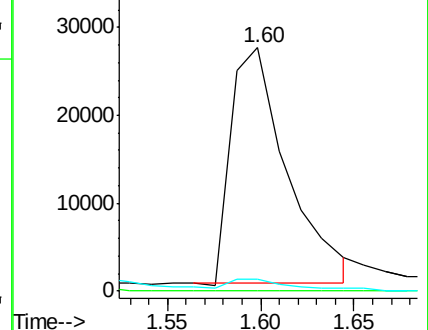
43 3.8 21.4 32.2#

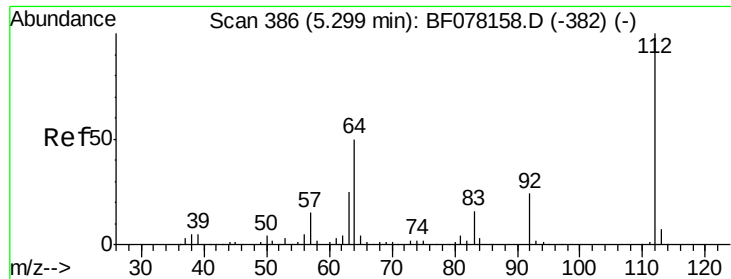


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 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

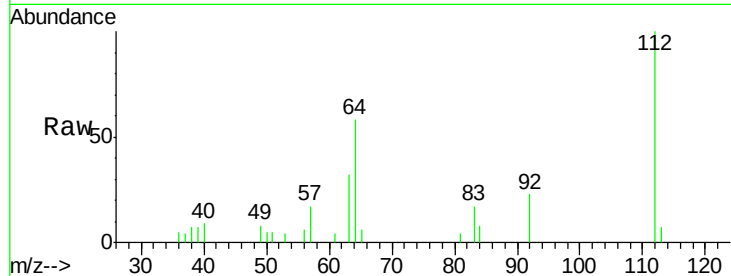
Instrument :

BNA_F

ClientSampleId :

SP-3DL

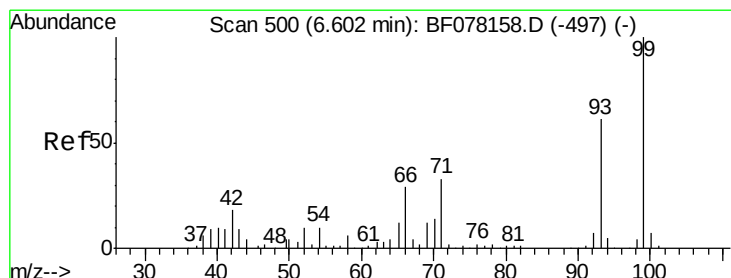
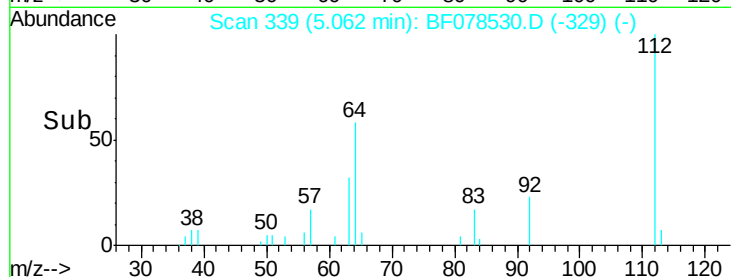
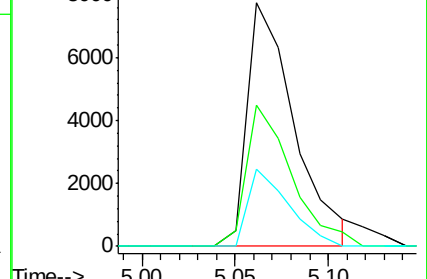
Tgt Ion:	112	Resp:	13612
Ion Ratio	Lower	Upper	
112	100		
64	58.2	39.9	59.9
63	31.9	20.2	30.4#



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: 10.12 ng

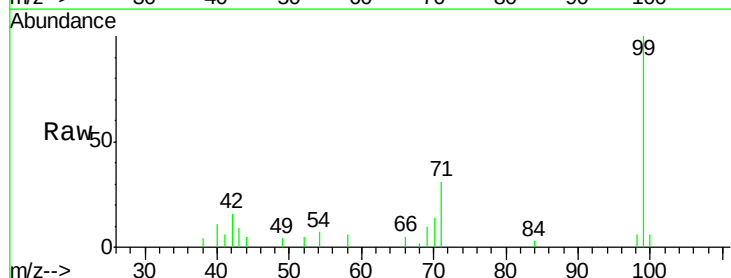
RT: 6.42 min Scan# 458

Delta R.T. 0.01 min

Lab File: BF078530.D

Acq: 15 Apr 2015 8:13

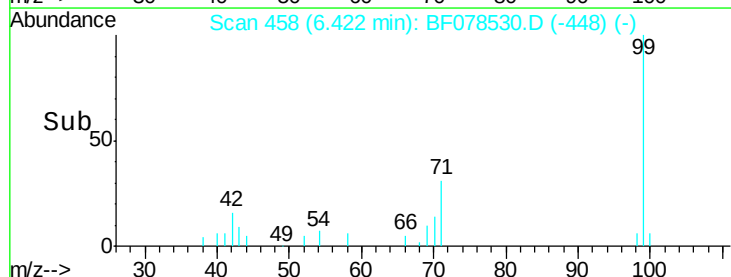
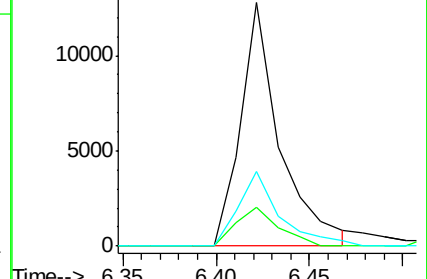
Tgt Ion:	99	Resp:	18694
Ion Ratio	Lower	Upper	
99	100		
42	15.8	14.8	22.2
71	30.8	26.6	39.8

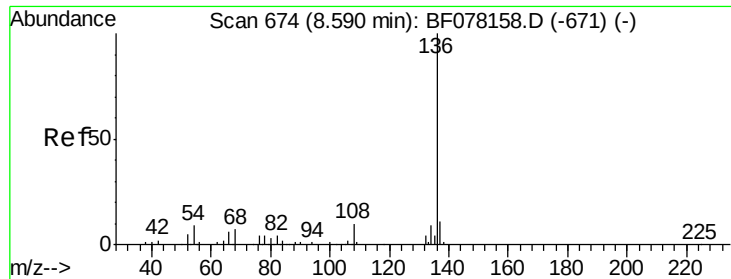


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

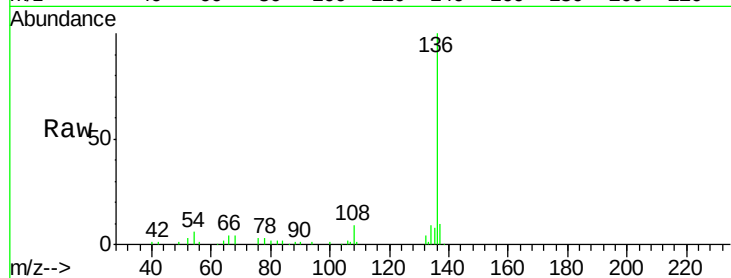




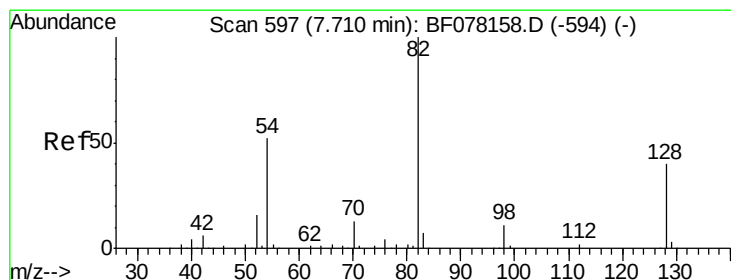
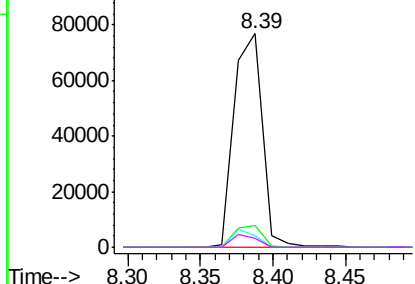
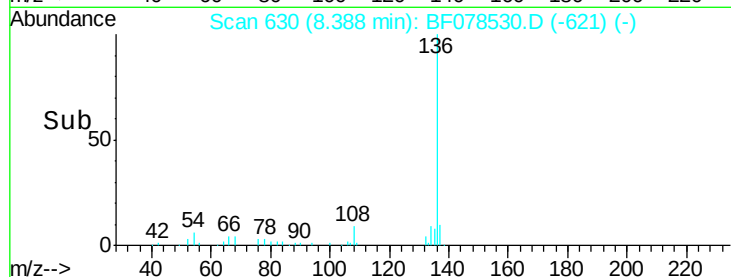
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.39 min Scan# 630
Delta R.T. 0.00 min
Lab File: BF078530.D
Acq: 15 Apr 2015 8:13

Instrument :
BNA_F
ClientSampleId :
SP-3DL

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#

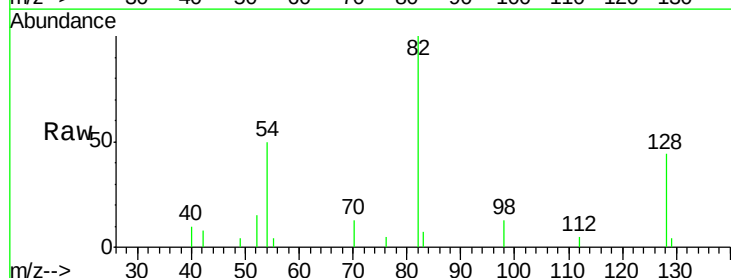


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

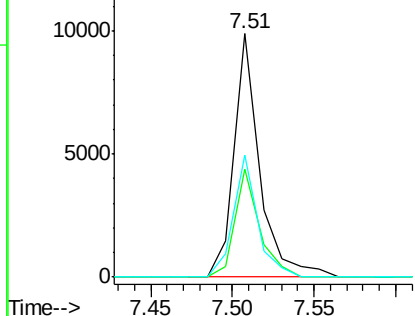
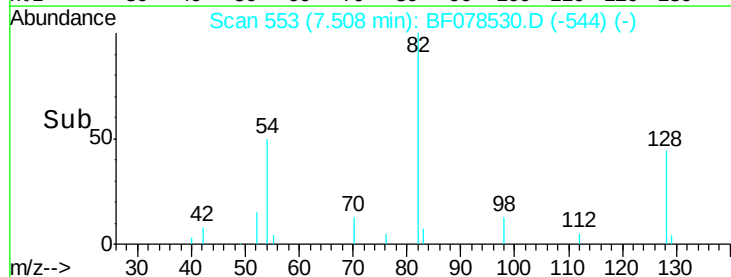


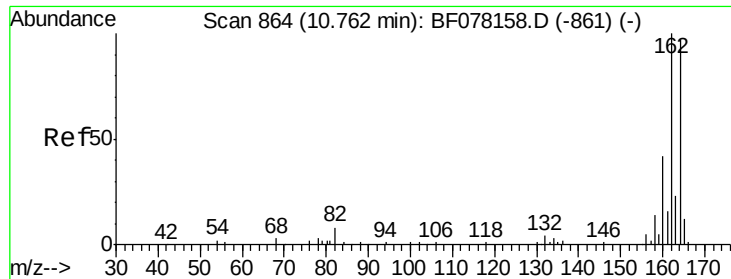
#23
Nitrobenzene-d5
Concen: 6.19 ng
RT: 7.51 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF078530.D
Acq: 15 Apr 2015 8:13

Tgt Ion:	82	Resp:	10644
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): E
Ion 54.00 (53.70 to 54.70): BF0

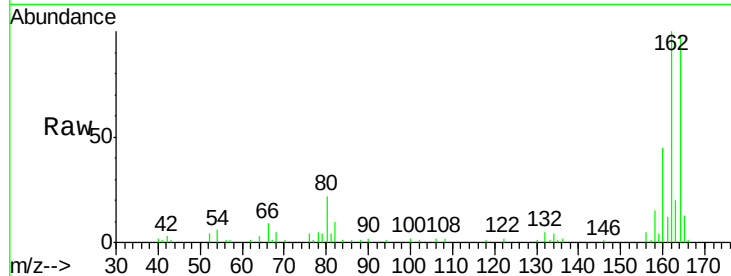




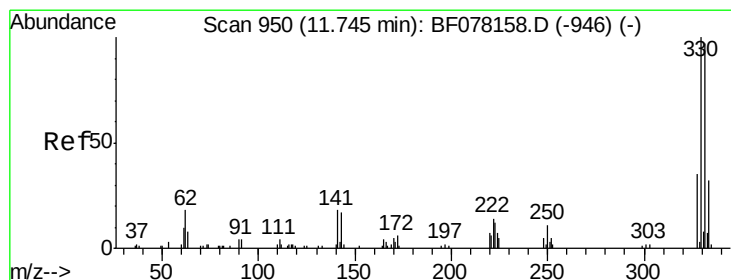
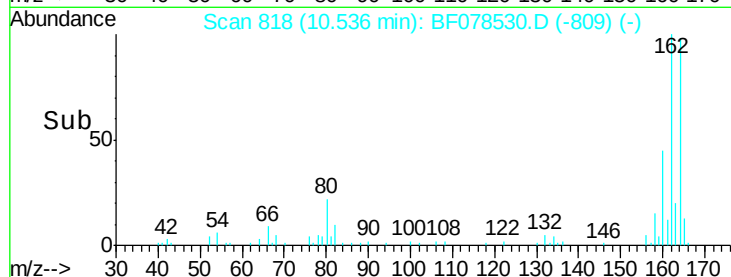
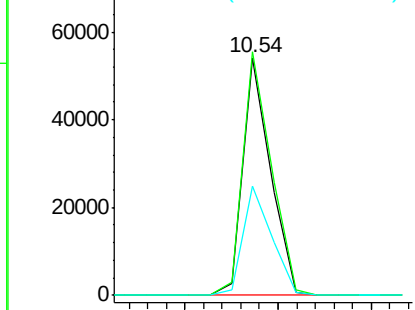
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.54 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: BF078530.D
 Acq: 15 Apr 2015 8:13

Instrument :
 BNA_F
 ClientSampleId :
 SP-3DL

Tgt Ion:164 Resp: 55442
 Ion Ratio Lower Upper
 164 100
 162 102.5 82.2 123.2
 160 45.9 34.7 52.1

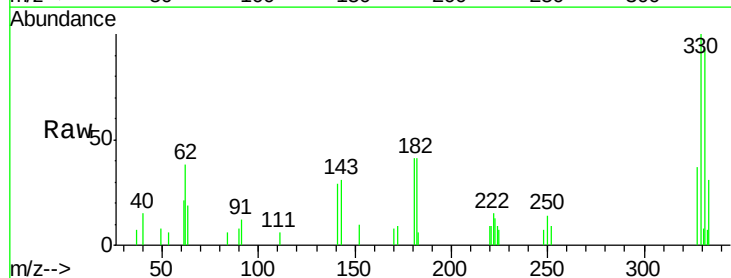


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

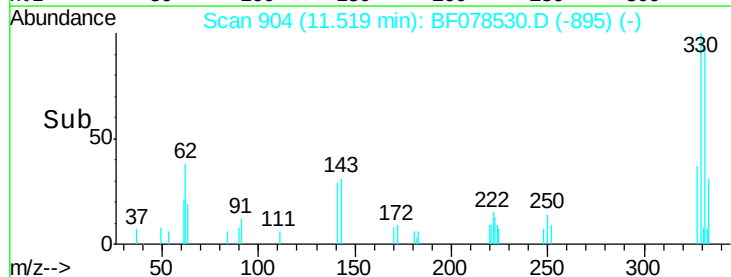
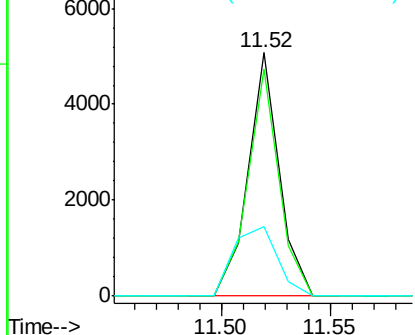


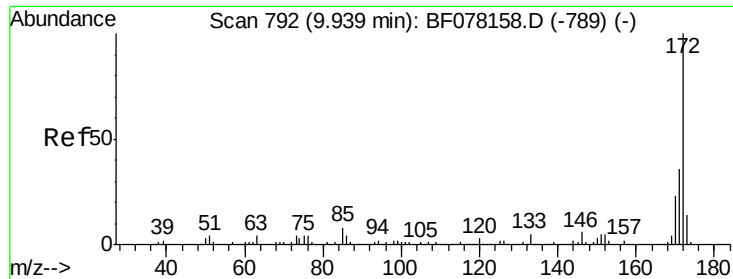
#41
 2,4,6-Tribromophenol
 Concen: 10.96 ng
 RT: 11.52 min Scan# 904
 Delta R.T. 0.00 min
 Lab File: BF078530.D
 Acq: 15 Apr 2015 8:13

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



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

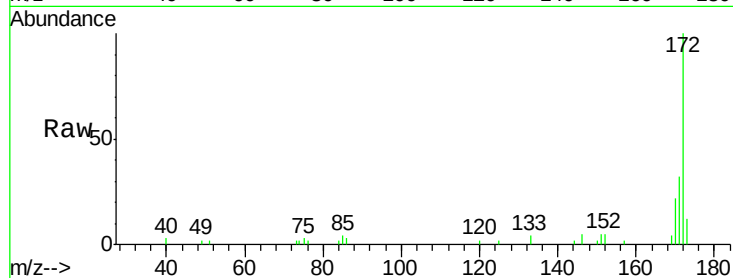




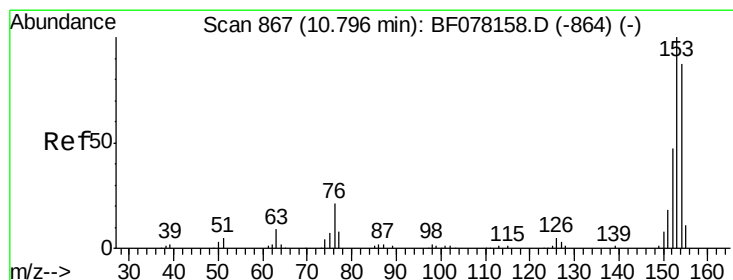
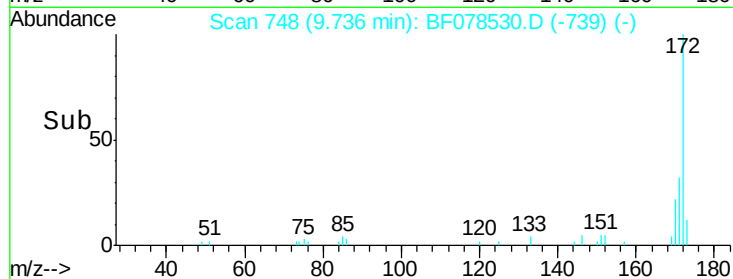
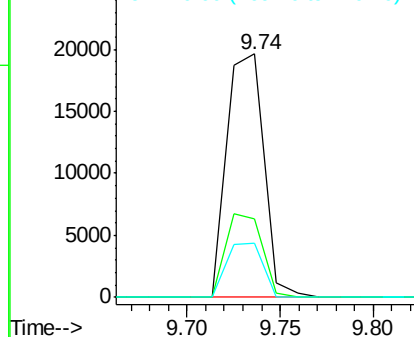
#44
 2-Fluorobiphenyl
 Concen: 7.04 ng
 RT: 9.74 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BF078530.D
 Acq: 15 Apr 2015 8:13

Instrument :
 BNA_F
 ClientSampled :
 SP-3DL

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

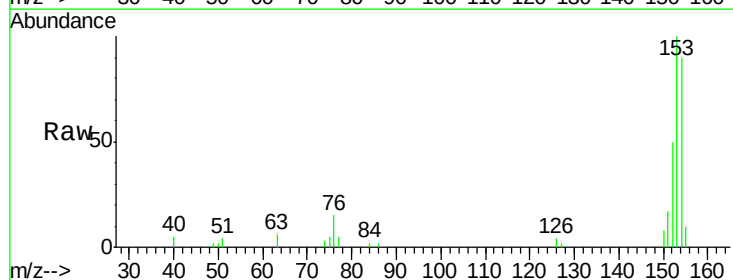


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

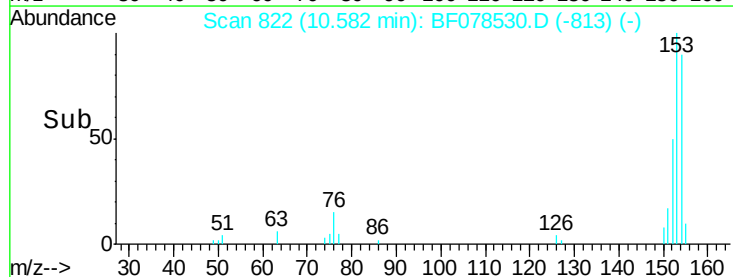
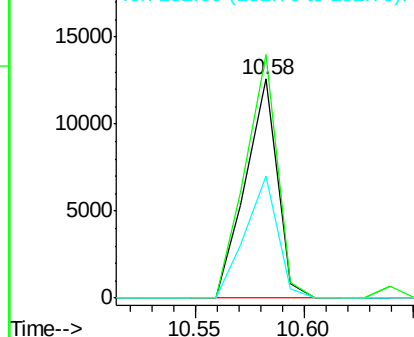


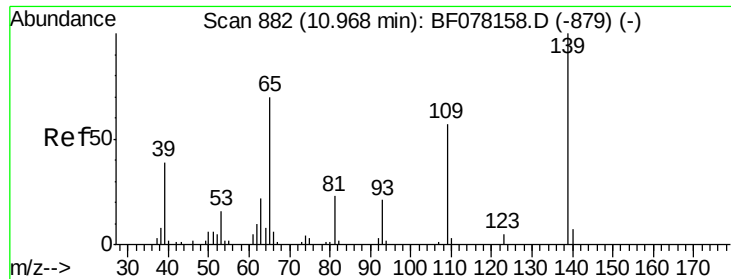
#51
 Acenaphthene
 Concen: 3.95 ng
 RT: 10.58 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BF078530.D
 Acq: 15 Apr 2015 8:13

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

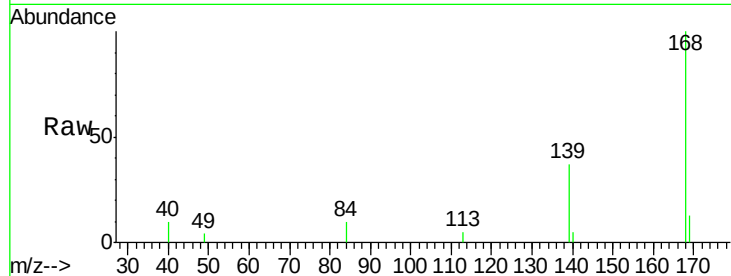




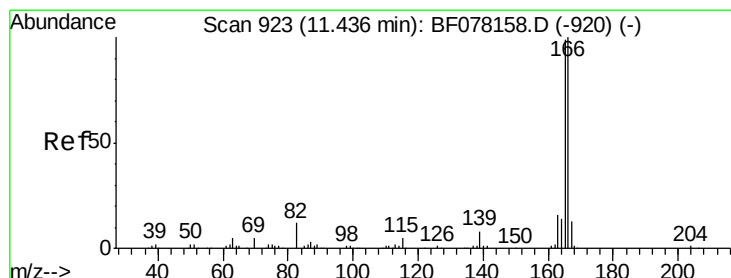
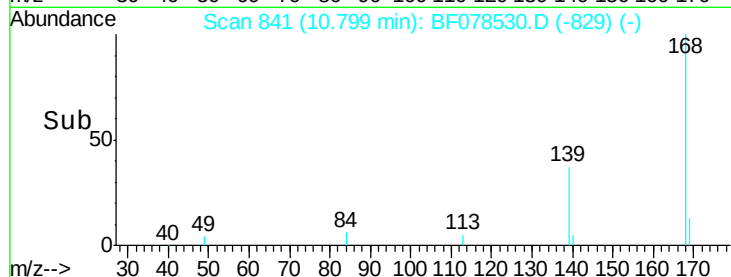
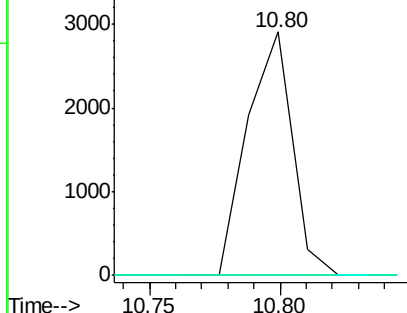
#55
 4-Nitrophenol
 Concen: 7.50 ng
 RT: 10.80 min Scan# 841
 Delta R.T. 0.03 min
 Lab File: BF078530.D
 Acq: 15 Apr 2015 8:13

Instrument :
 BNA_F
 ClientSampleId :
 SP-3DL

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	36.7	76.7#
65	0.0	49.9	89.9#

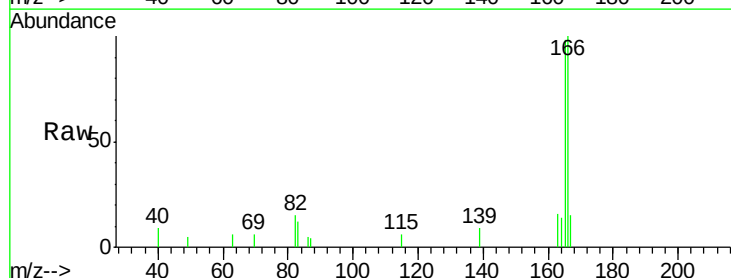


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

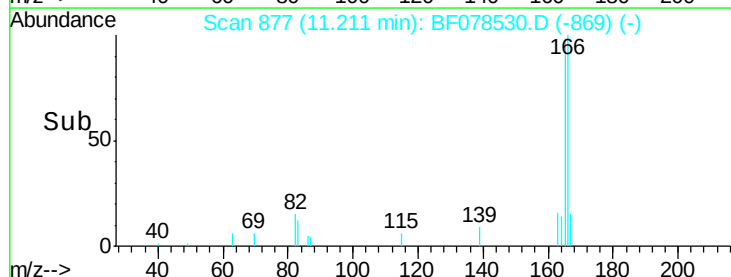
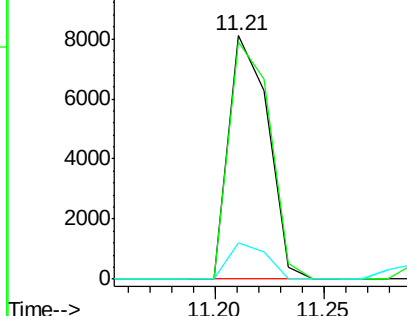


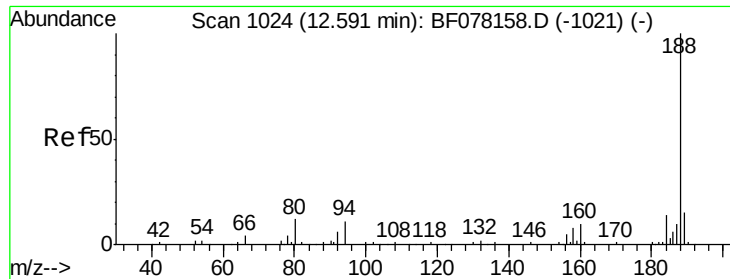
#57
 Fluorene
 Concen: 2.52 ng
 RT: 11.21 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: BF078530.D
 Acq: 15 Apr 2015 8:13

Tgt Ion	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

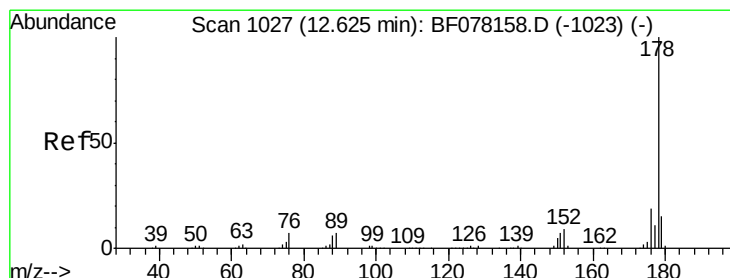
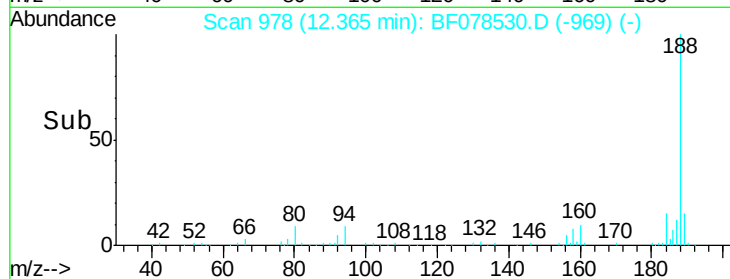
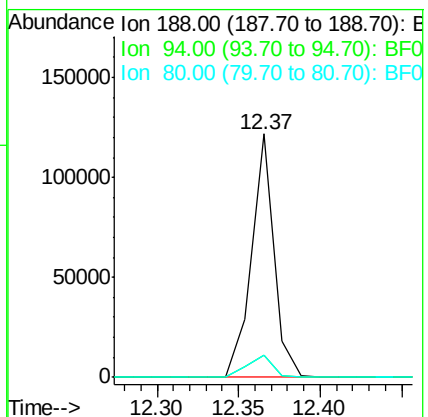
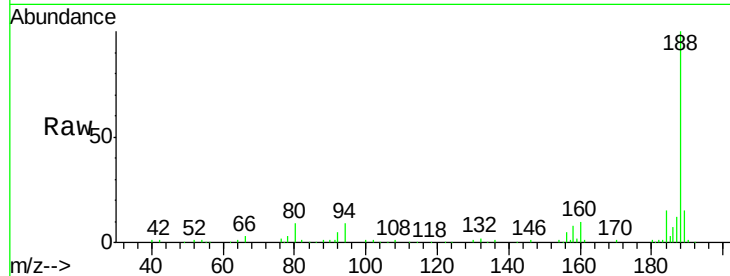




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.37 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: BF078530.D
 Acq: 15 Apr 2015 8:13

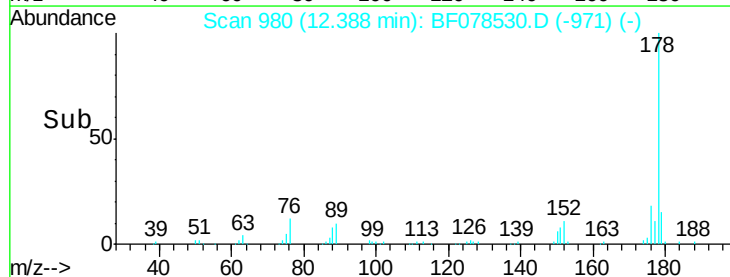
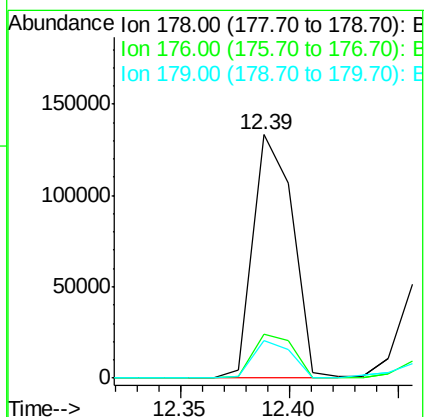
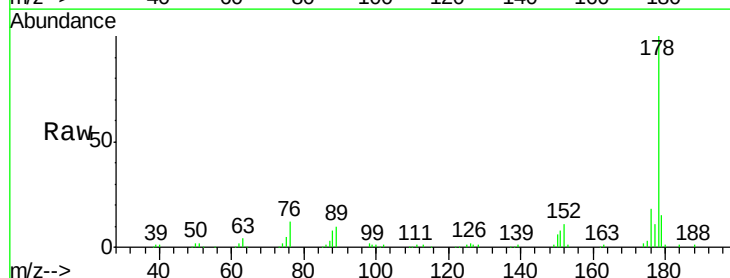
Instrument :
 BNA_F
 ClientSampleId :
 SP-3DL

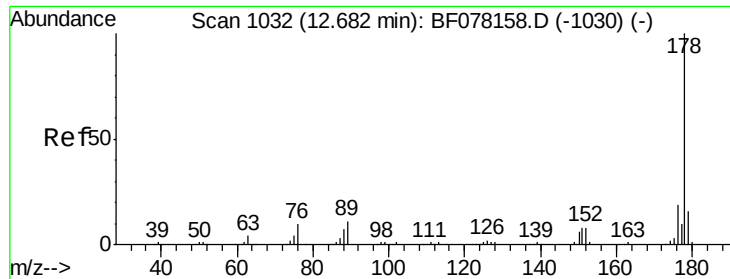
Tgt Ion:188 Resp: 116704
 Ion Ratio Lower Upper
 188 100
 94 9.0 9.0 13.4
 80 9.3 9.5 14.3#



#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:178 Resp: 170195
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.4 23.0
 179 15.2 12.2 18.2

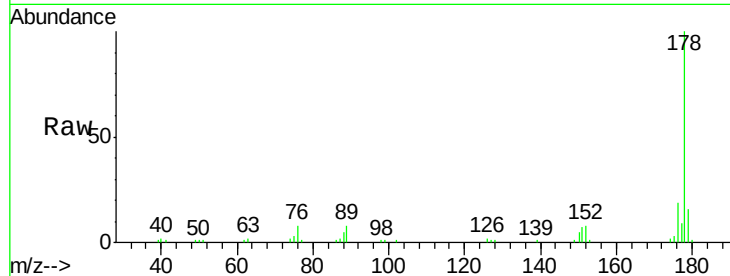




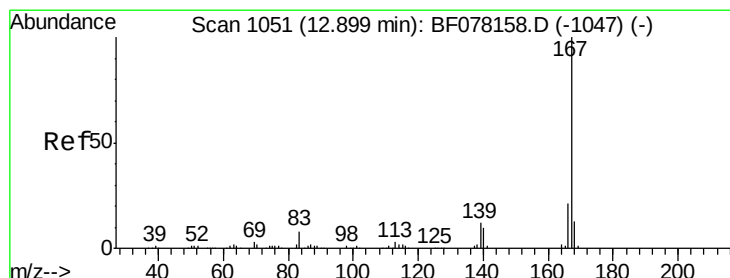
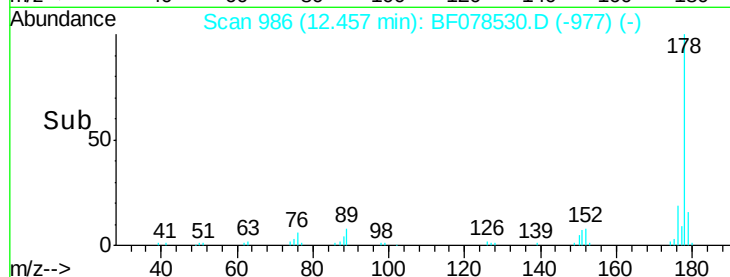
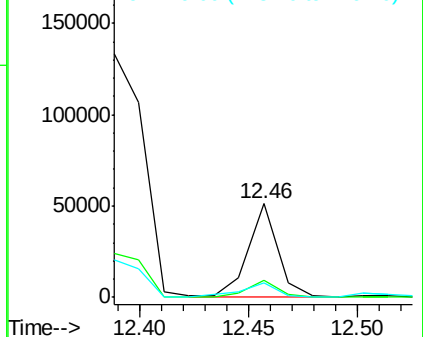
#71
 Anthracene
 Concen: 7.19 ng
 RT: 12.46 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: BF078530.D
 Acq: 15 Apr 2015 8:13

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

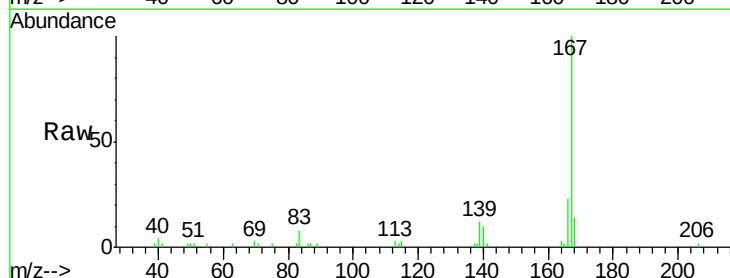


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

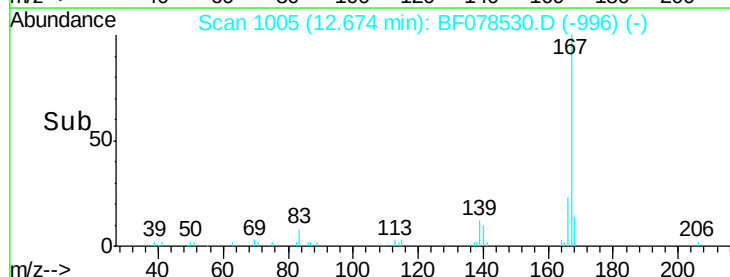
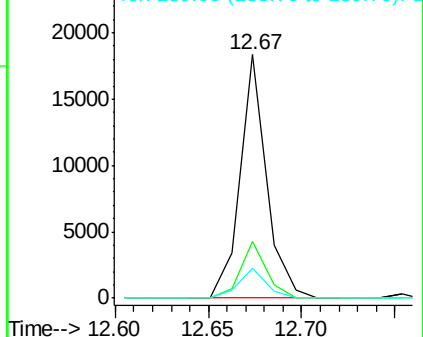


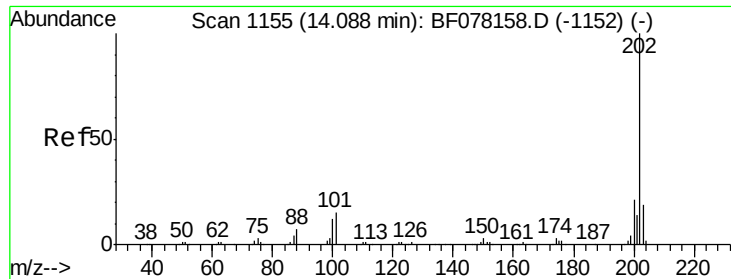
#72
 Carbazole
 Concen: 2.90 ng
 RT: 12.67 min Scan# 1005
 Delta R.T. 0.00 min
 Lab File: BF078530.D
 Acq: 15 Apr 2015 8:13

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

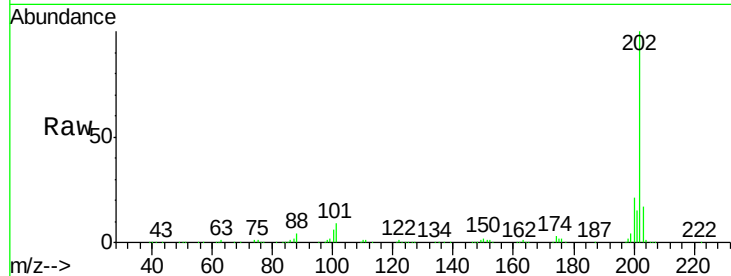
Tgt Ion: 202 Resp: 349586

Ion Ratio Lower Upper

202 100

101 8.5 0.0 35.2

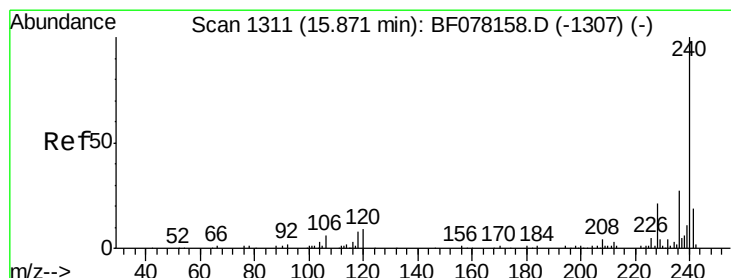
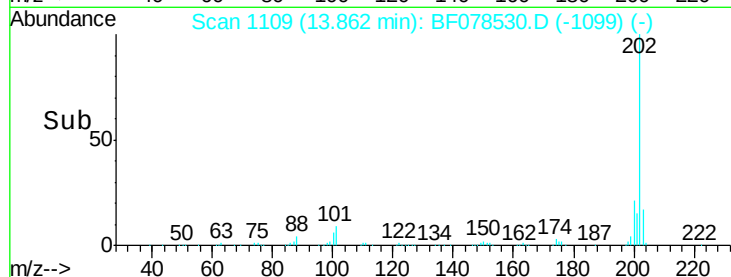
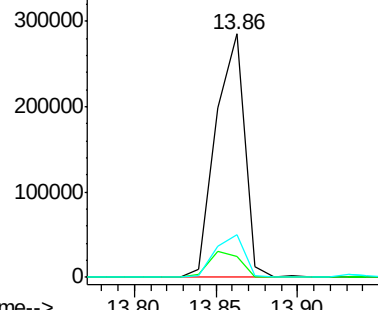
203 17.5 0.0 38.5



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

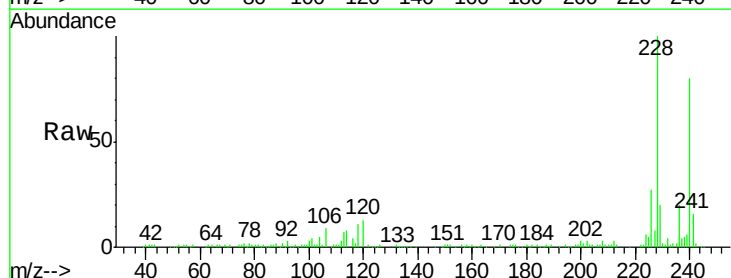
Tgt Ion: 240 Resp: 137776

Ion Ratio Lower Upper

240 100

120 15.7 7.1 10.7#

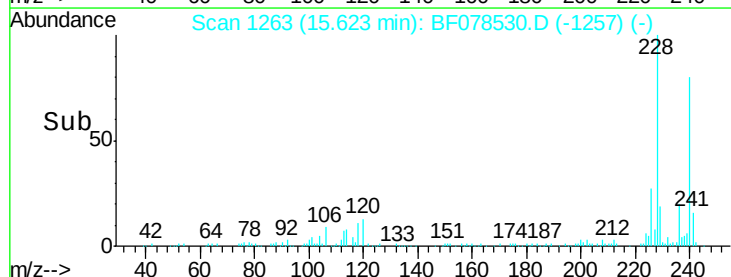
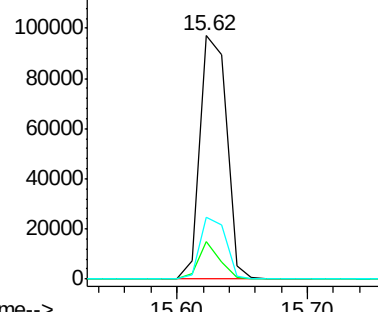
236 25.2 21.4 32.2

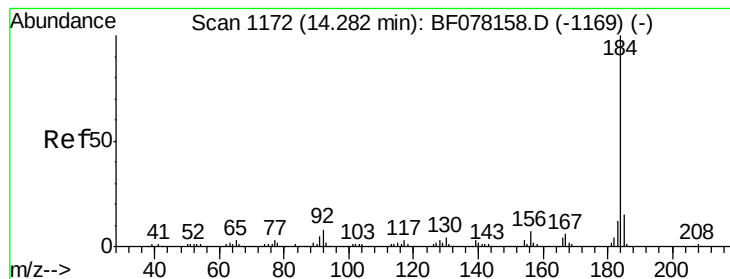


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.20 ng

RT: 14.06 min Scan# 1126

Delta R.T. 0.00 min

Lab File: BF078530.D

Acq: 15 Apr 2015 8:13

Instrument :

BNA_F

ClientSampled :

SP-3DL

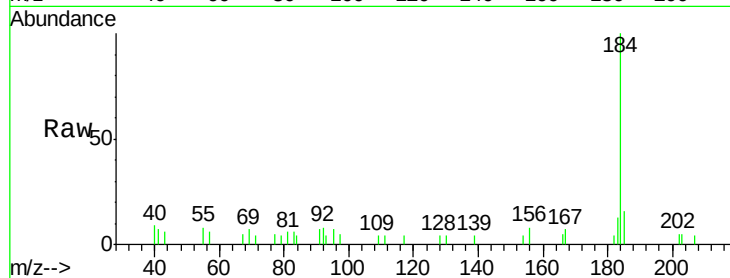
Tgt Ion:184 Resp: 11672

Ion Ratio Lower Upper

184 100

185 16.3 12.2 18.2

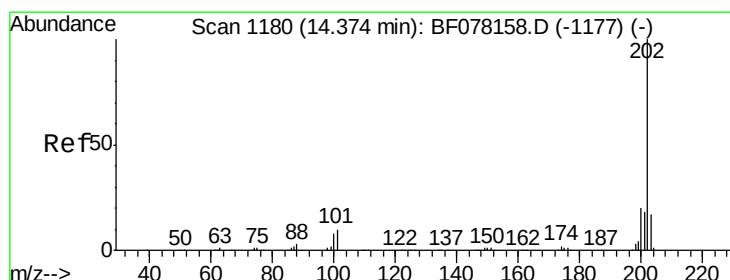
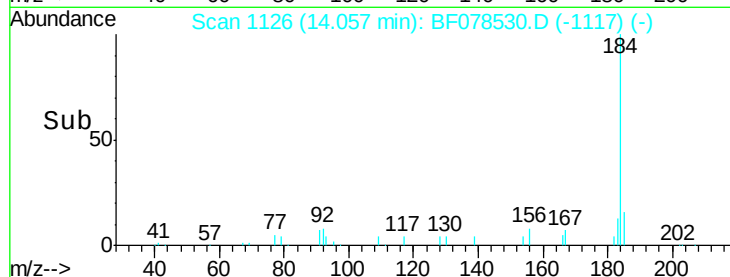
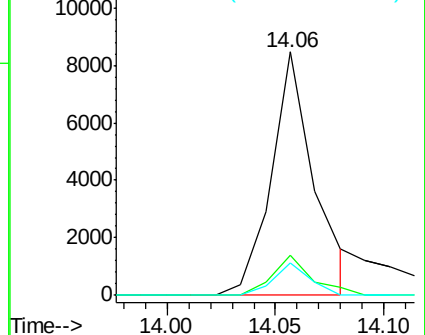
183 13.2 9.5 14.3



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): 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

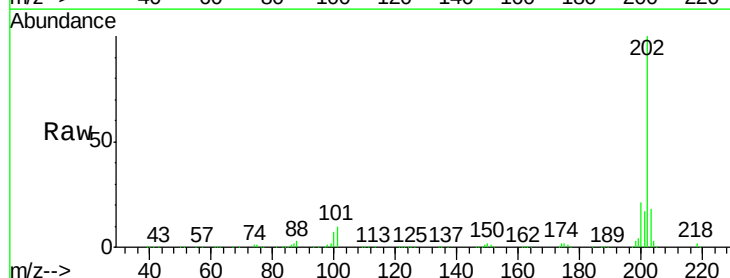
Tgt Ion:202 Resp: 330208

Ion Ratio Lower Upper

202 100

200 21.1 16.3 24.5

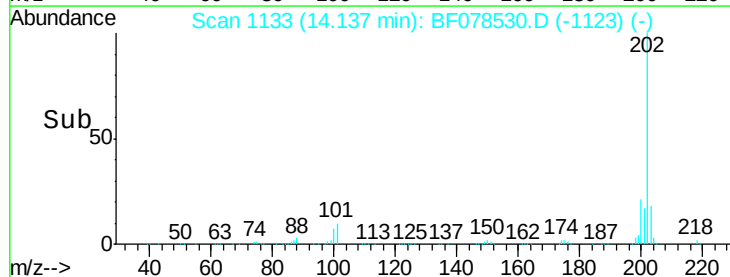
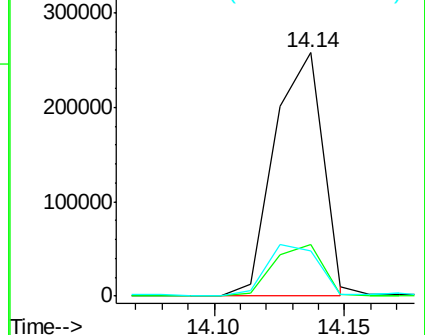
203 18.4 13.8 20.6

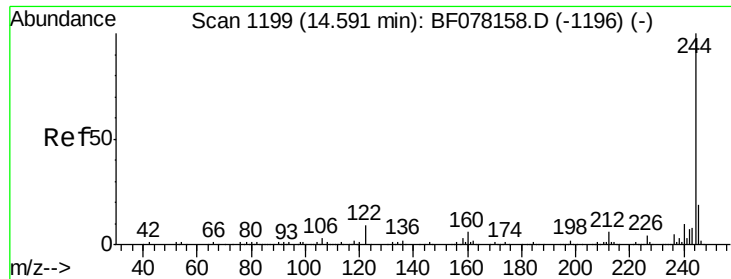


Abundance Ion 202.00 (201.70 to 202.70): E

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

Instrument :

BNA_F

ClientSampled :

SP-3DL

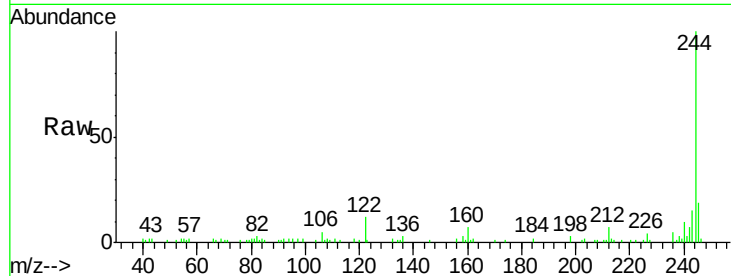
Tgt Ion:244 Resp: 37468

Ion Ratio Lower Upper

244 100

212 6.5 5.0 7.4

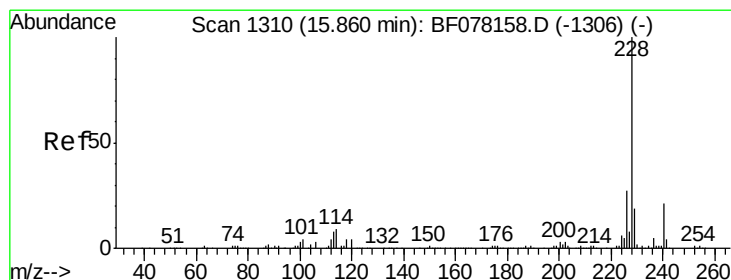
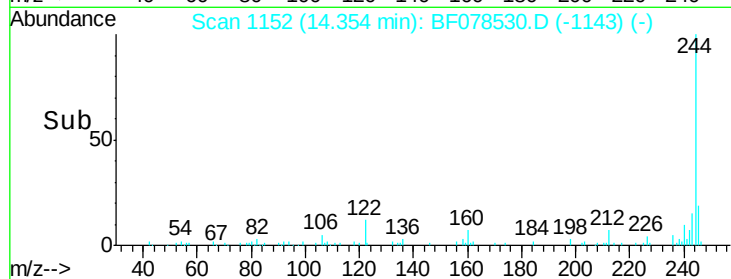
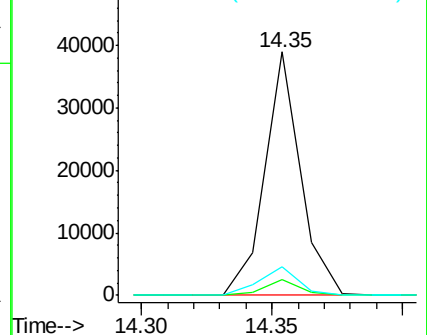
122 11.9 7.1 10.7#



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

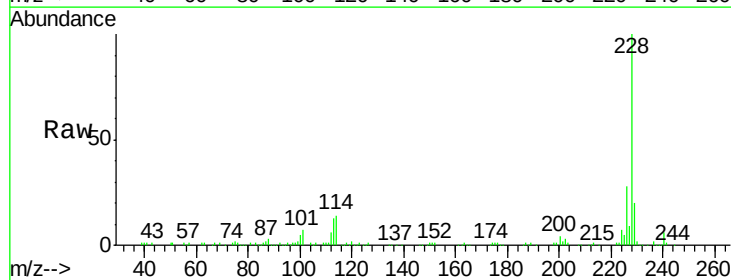
Tgt Ion:228 Resp: 194947

Ion Ratio Lower Upper

228 100

226 27.7 21.3 31.9

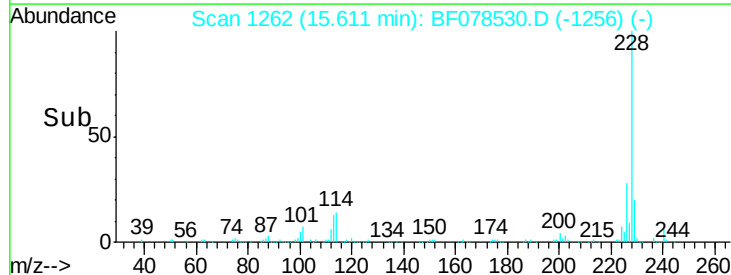
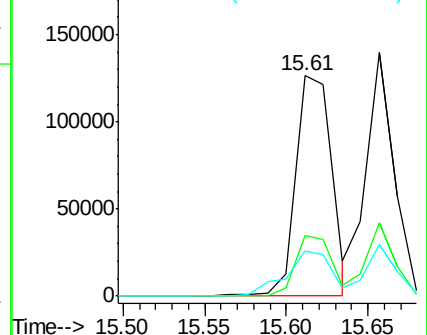
229 20.2 15.4 23.2

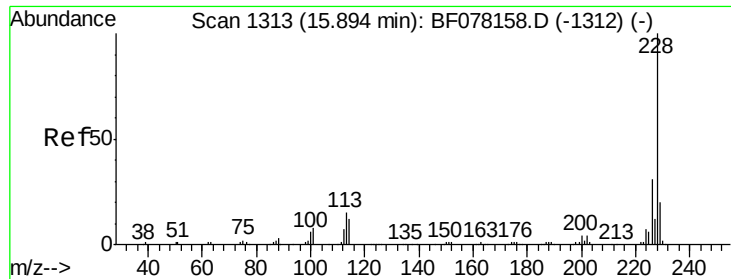


Abundance Ion 228.00 (227.70 to 228.70): E

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

Instrument :

BNA_F

ClientSampled :

SP-3DL

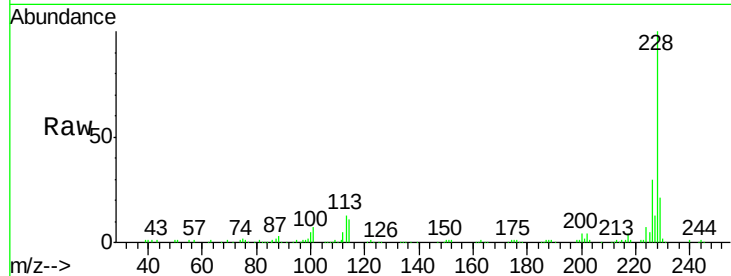
Tgt Ion:228 Resp: 166278

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.4

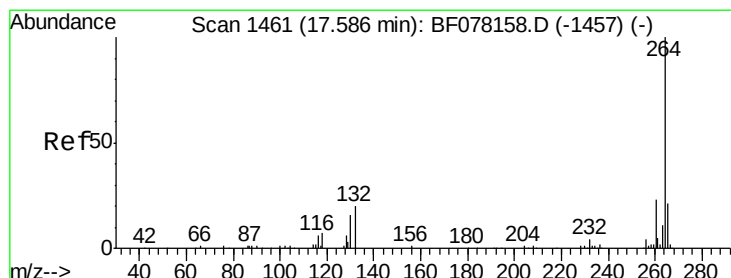
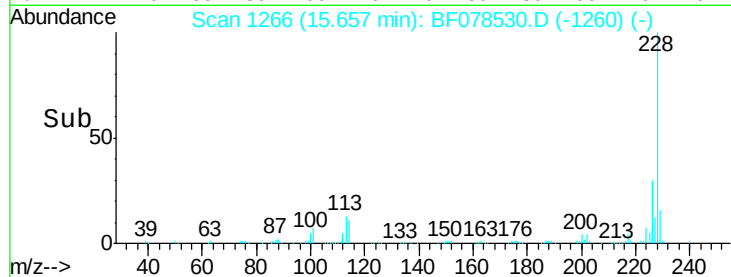
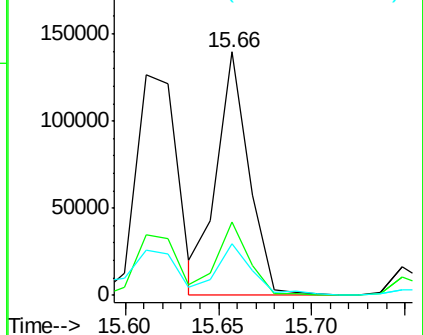
229 21.4 15.8 23.8



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



#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

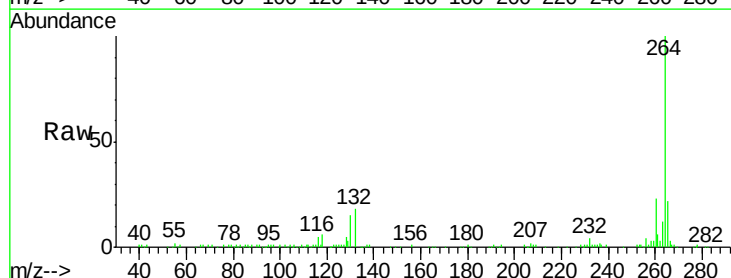
Tgt Ion:264 Resp: 139597

Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

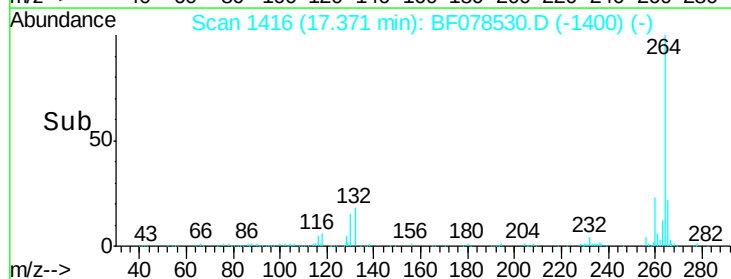
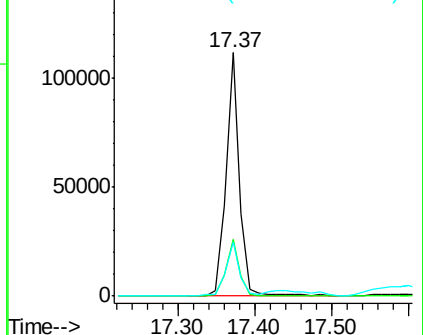
265 22.2 17.0 25.6

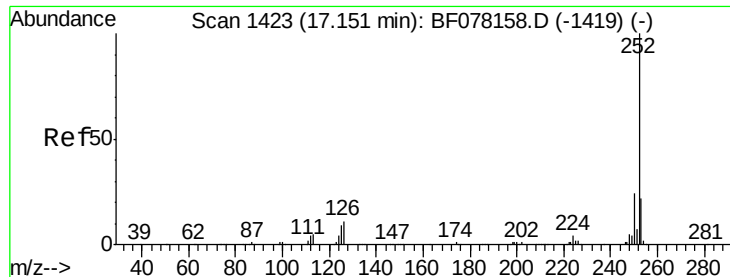


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

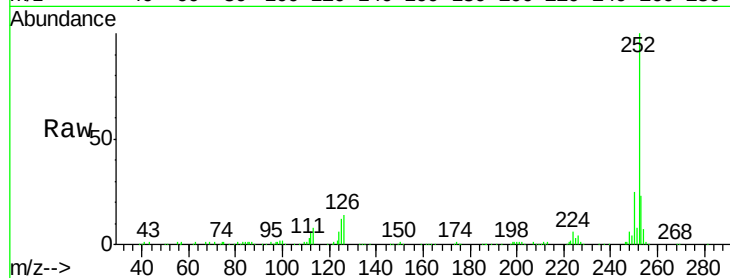




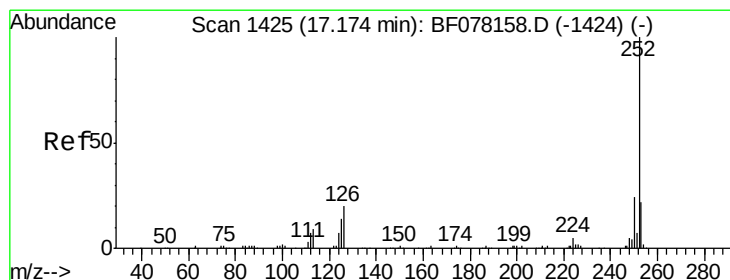
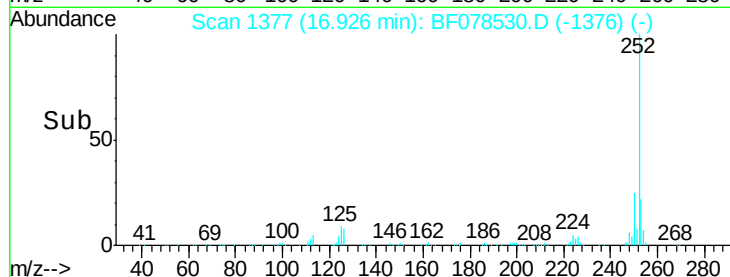
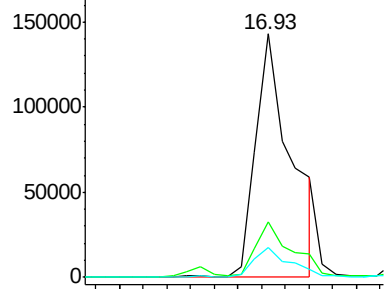
#87
Benzo(b)fluoranthene
Concen: 33.82 ng
RT: 16.93 min Scan# 1377
Delta R.T. -0.09 min
Lab File: BF078530.D
Acq: 15 Apr 2015 8:13

Instrument :
BNA_F
ClientSampleId :
SP-3DL

Tgt Ion: 252 Resp: 291744
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 12.2 7.0 10.4#

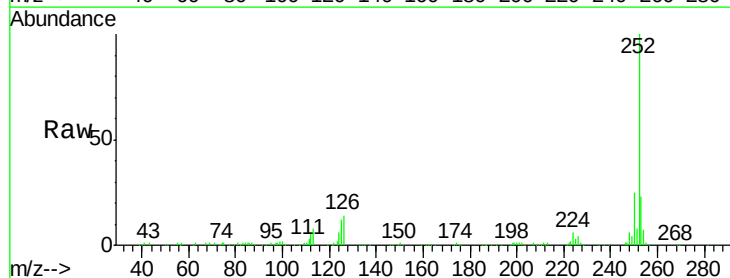


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

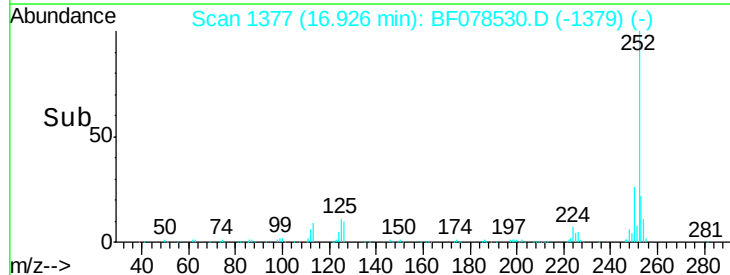
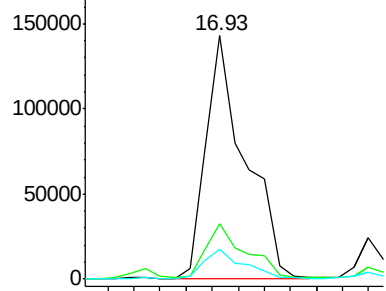


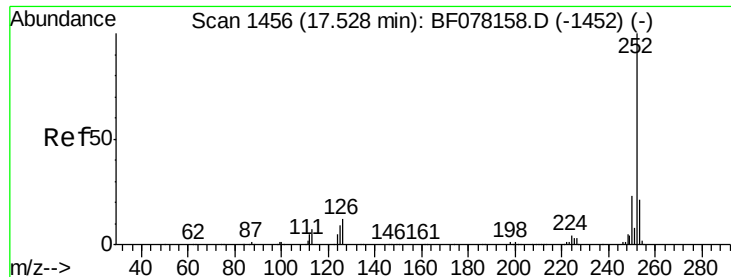
#88
Benzo(k)fluoranthene
Concen: 38.74 ng
RT: 16.93 min Scan# 1377
Delta R.T. -0.13 min
Lab File: BF078530.D
Acq: 15 Apr 2015 8:13

Tgt Ion: 252 Resp: 296989
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 12.2 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

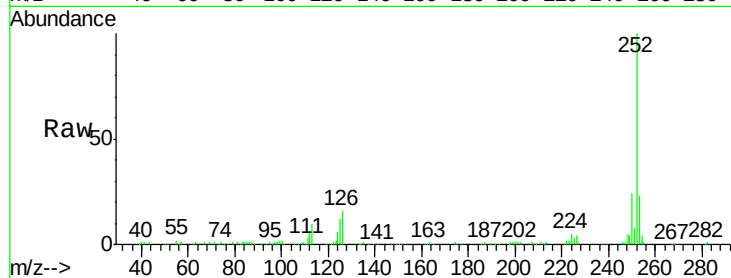
Tgt Ion:252 Resp: 149703

Ion Ratio Lower Upper

252 100

253 23.1 16.8 25.2

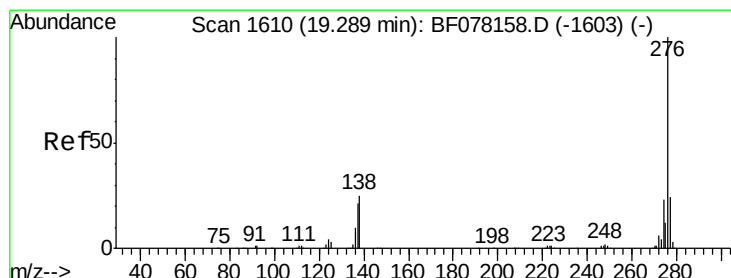
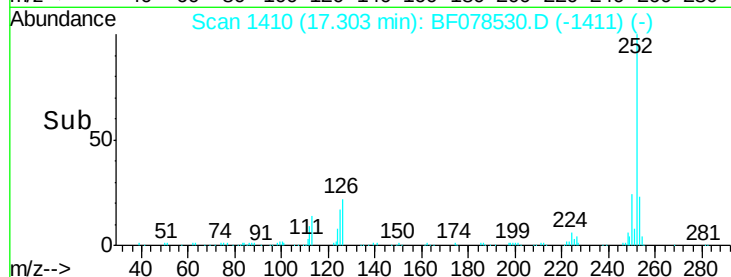
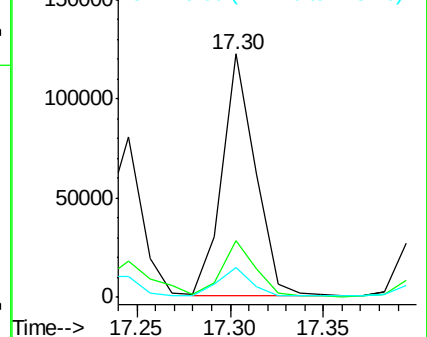
125 12.4 7.4 11.0#



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



#91

Benzo(g,h,i)perylene

Concen: 9.57 ng

RT: 18.97 min Scan# 1556

Delta R.T. -0.18 min

Lab File: BF078530.D

Acq: 15 Apr 2015 8:13

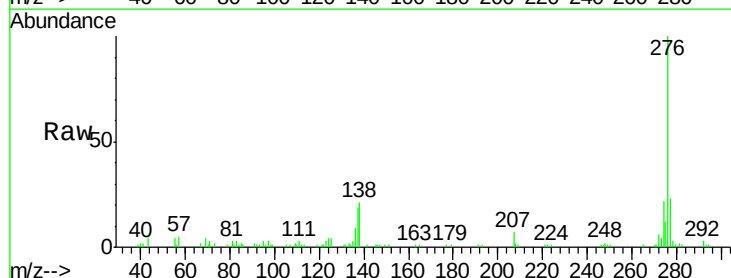
Tgt Ion:276 Resp: 72305

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

