

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
 Data File : BF078517.D
 Acq On : 14 Apr 2015 23:49
 Operator : TP/IZ
 Sample : G1828-14
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB04A

Quant Time: Apr 15 01:27:16 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	20471	20.00	ng	0.00
21) Naphthalene-d8	8.39	136	88983	20.00	ng	0.00
38) Acenaphthene-d10	10.54	164	44994	20.00	ng	0.00
63) Phenanthrene-d10	12.37	188	94795	20.00	ng	0.00
75) Chrysene-d12	15.62	240	109100	20.00	ng	-0.03
86) Perylene-d12	17.31	264	110871	20.00	ng	-0.17

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.06	112	115130	92.73	ng	0.01
7) Phenol-d6	6.41	99	156949	100.87	ng	0.00
23) Nitrobenzene-d5	7.51	82	91945	62.63	ng	0.00
41) 2,4,6-Tribromophenol	11.52	330	41605	111.49	ng	0.00
44) 2-Fluorobiphenyl	9.74	172	183634	58.34	ng	0.00
78) Terphenyl-d14	14.35	244	225348	46.67	ng	0.00

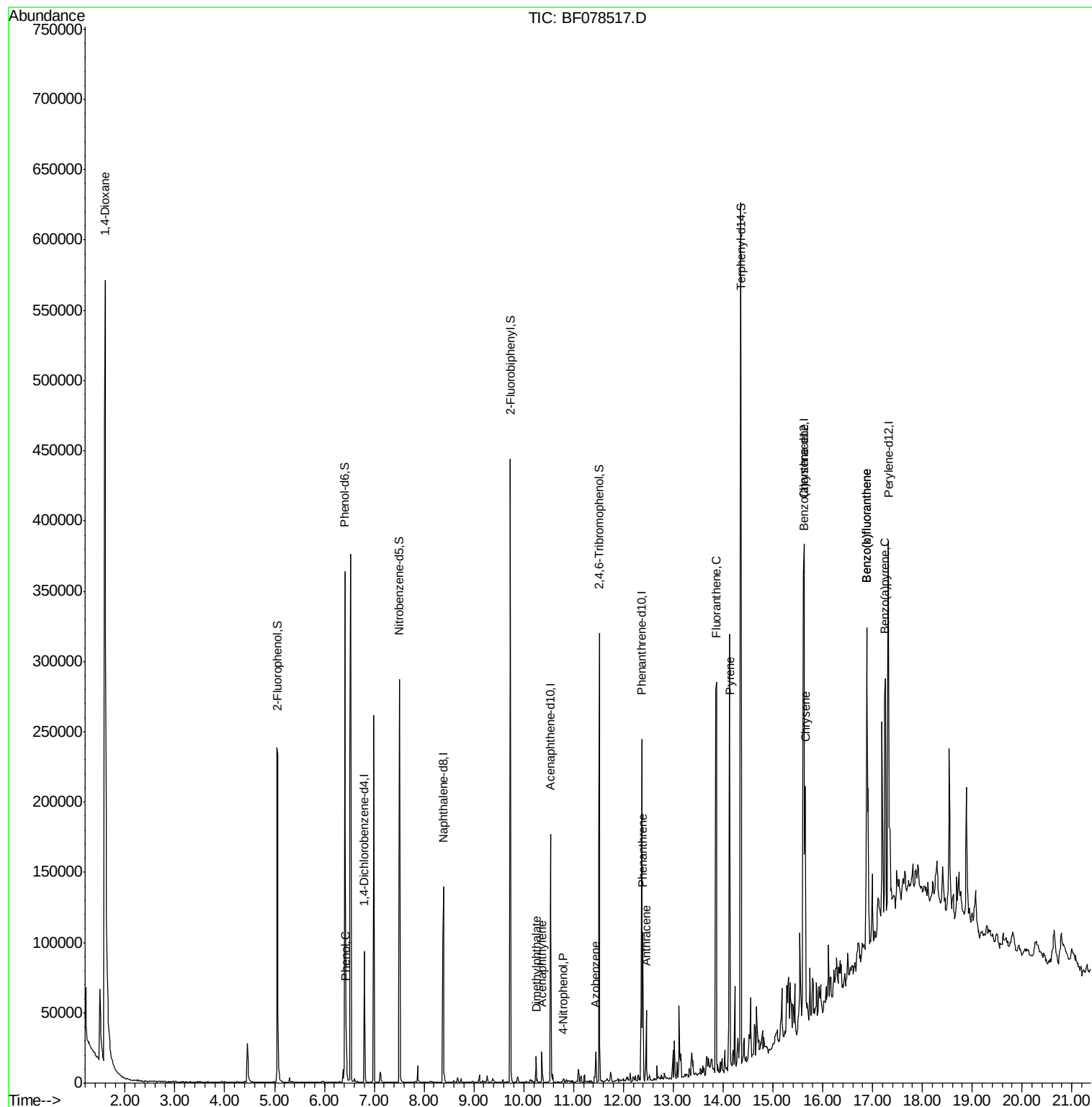
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.60	88	28173	50.18	ng	# 23
10) Phenol	6.43	94	3839	2.06	ng	77
48) Acenaphthylene	10.36	152	11978	2.56	ng	98
49) Dimethylphthalate	10.25	163	11656	3.45	ng	# 95
55) 4-Nitrophenol	10.80	139	463	3.53	ng	# 18
62) Azobenzene	11.44	77	6047	2.03	ng	# 1
70) Phenanthrene	12.39	178	56996	10.39	ng	98
71) Anthracene	12.46	178	22062	4.08	ng	99
74) Fluoranthene	13.86	202	177356	30.67	ng	90
77) Pyrene	14.14	202	153081	22.35	ng	99
80) Benzo(a)anthracene	15.61	228	111414	17.16	ng	97
82) Chrysene	15.66	228	79891	13.10	ng	98
87) Benzo(b)fluoranthene	16.88	252	142164	20.75	ng	# 94
88) Benzo(k)fluoranthene	16.88	252	180301	29.61	ng	98
89) Benzo(a)pyrene	17.26	252	94705	15.84	ng	96

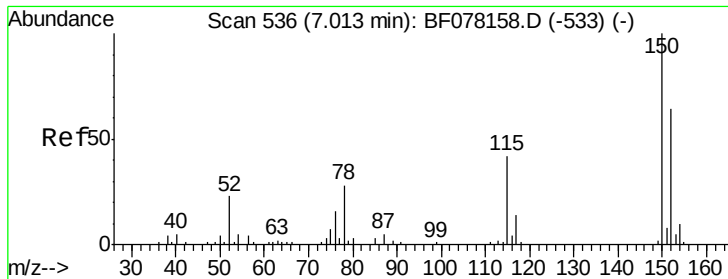
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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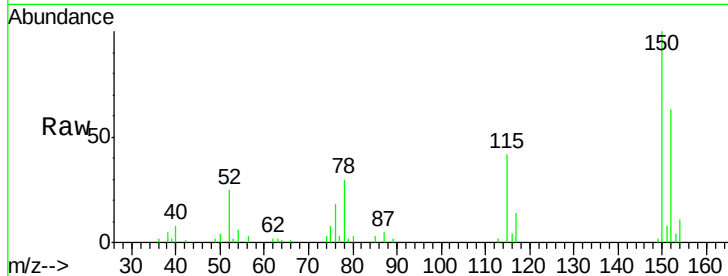


#1

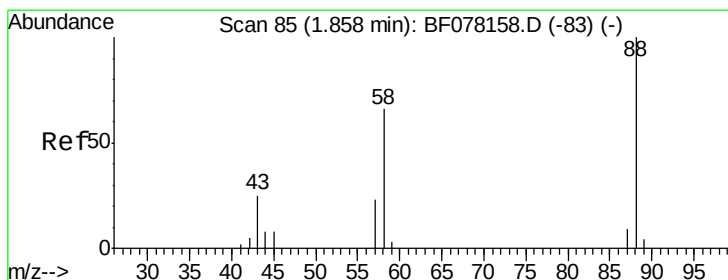
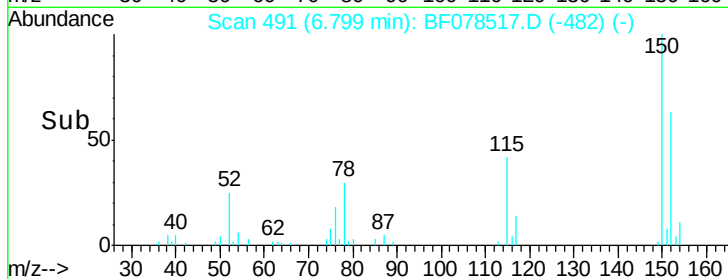
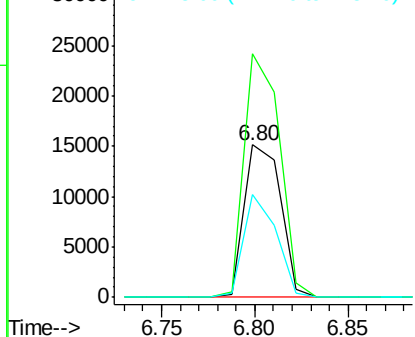
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 491
Delta R.T. 0.00 min
Lab File: BF078517.D
Acq: 14 Apr 2015 23:49

Instrument :
BNA_F
ClientSampleId :
HS-SB04A

Tgt Ion:152 Resp: 20471
Ion Ratio Lower Upper
152 100
150 159.9 125.9 188.9
115 67.3 52.7 79.1



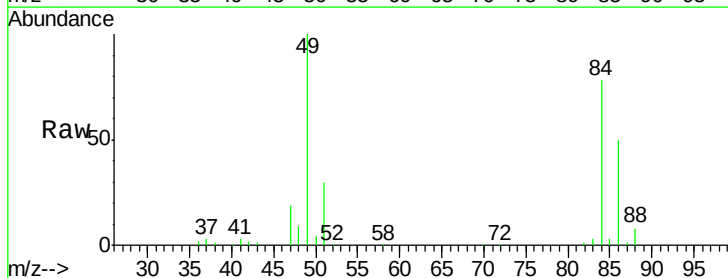
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



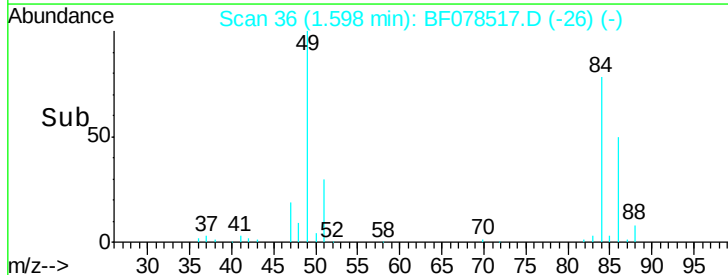
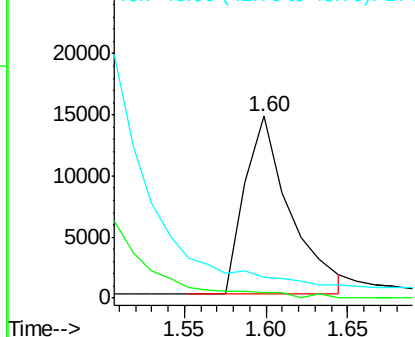
#2

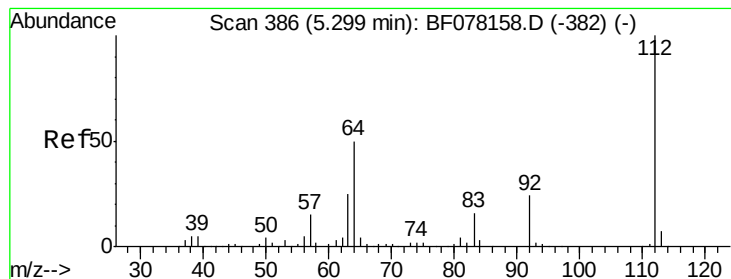
1,4-Dioxane
Concen: 50.18 ng
RT: 1.60 min Scan# 36
Delta R.T. 0.01 min
Lab File: BF078517.D
Acq: 14 Apr 2015 23:49

Tgt Ion: 88 Resp: 28173
Ion Ratio Lower Upper
88 100
58 0.0 56.9 85.3#
43 0.0 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: 92.73 ng

RT: 5.06 min Scan# 339

Delta R.T. 0.01 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

Instrument :

BNA_F

ClientSampleID :

HS-SB04A

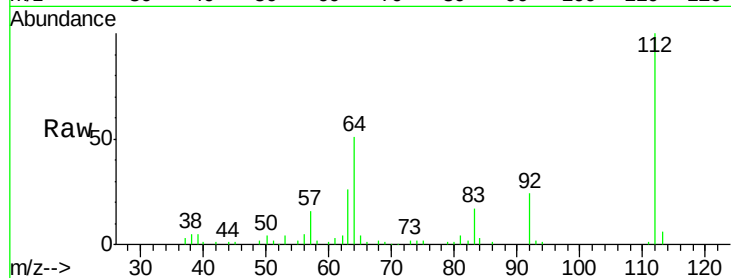
Tgt Ion: 112 Resp: 115130

Ion Ratio Lower Upper

112 100

64 50.9 39.9 59.9

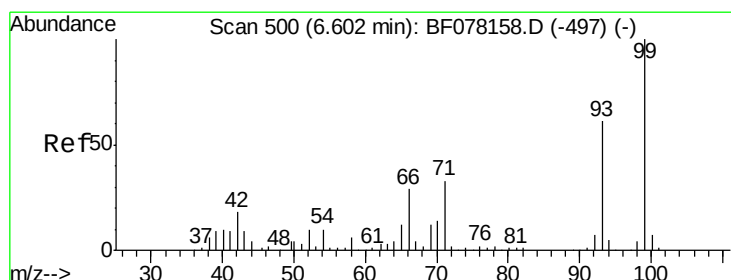
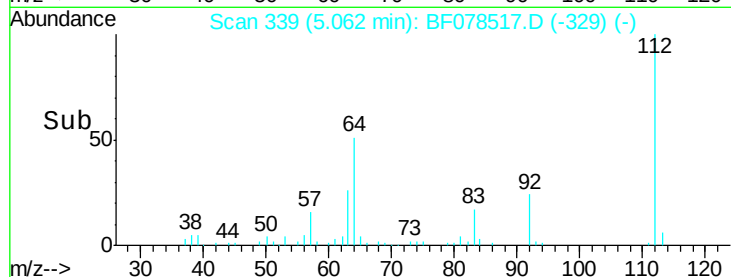
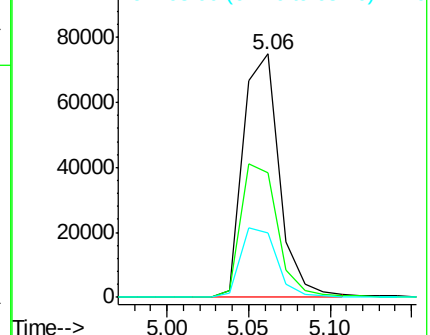
63 26.3 20.2 30.4



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: 100.87 ng

RT: 6.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

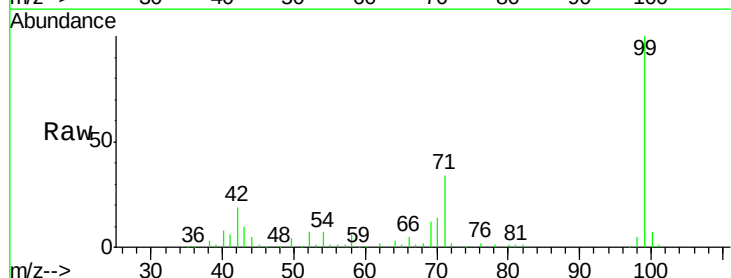
Tgt Ion: 99 Resp: 156949

Ion Ratio Lower Upper

99 100

42 18.6 14.8 22.2

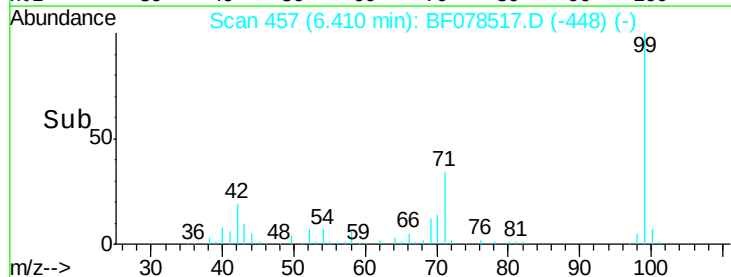
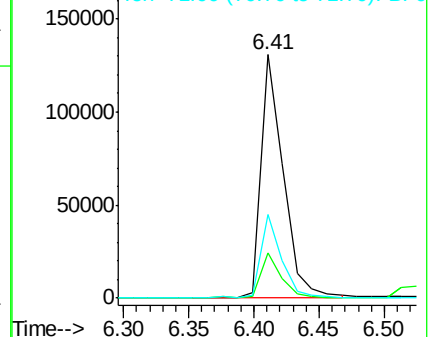
71 34.4 26.6 39.8

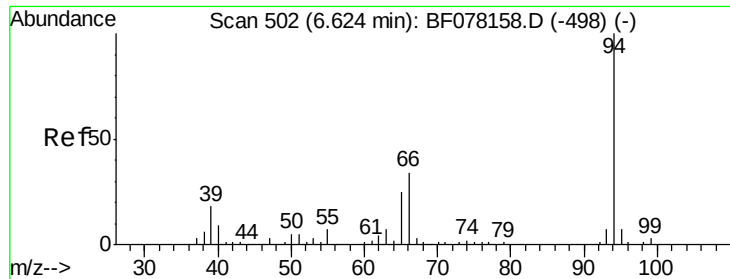


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#10

Phenol

Concen: 2.06 ng

RT: 6.43 min Scan# 459

Delta R.T. 0.01 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

Instrument :

BNA_F

ClientSampleId :

HS-SB04A

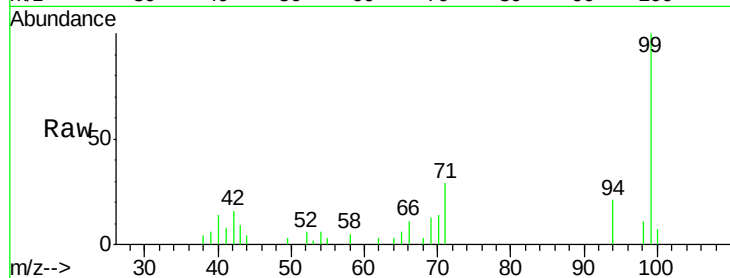
Tgt Ion: 94 Resp: 3839

Ion Ratio Lower Upper

94 100

65 29.7 4.9 44.9

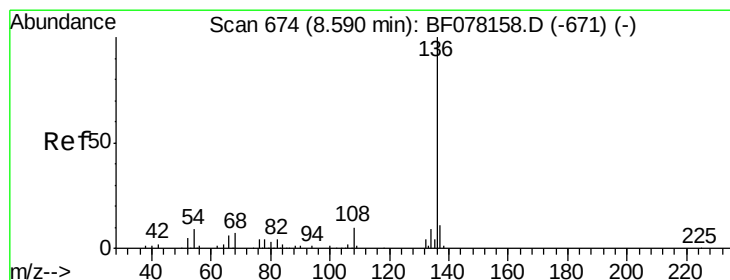
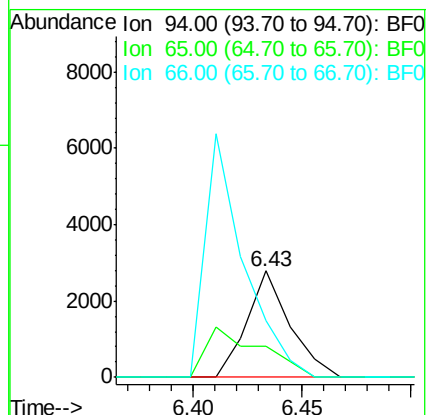
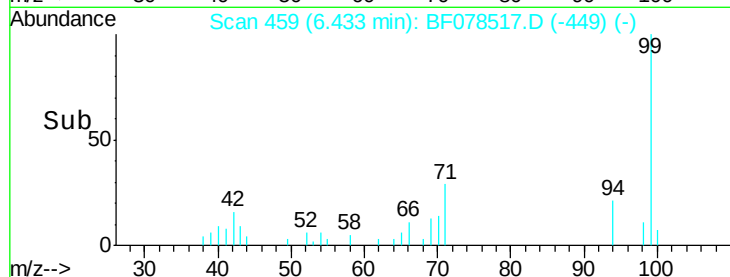
66 53.1 13.8 53.8



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.39 min Scan# 630

Delta R.T. 0.00 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

Tgt Ion: 136 Resp: 88983

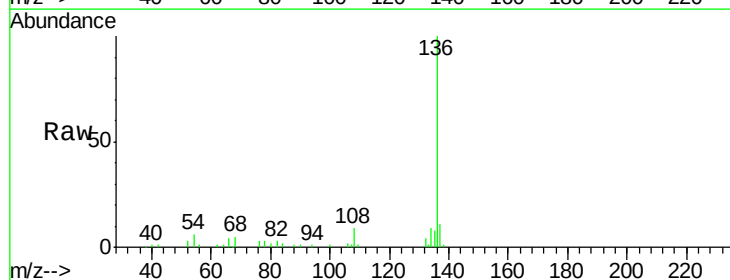
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 5.6 7.0 10.6#

68 4.9 5.4 8.2#

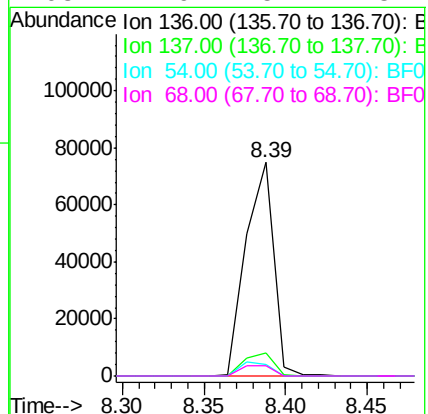
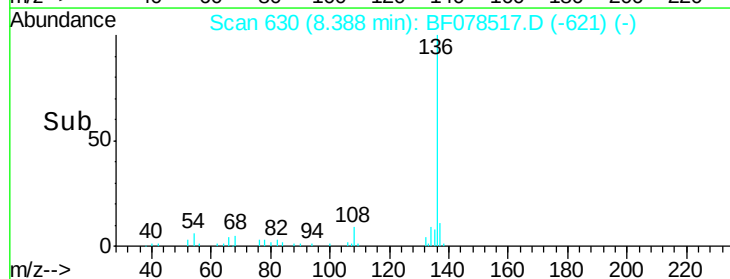


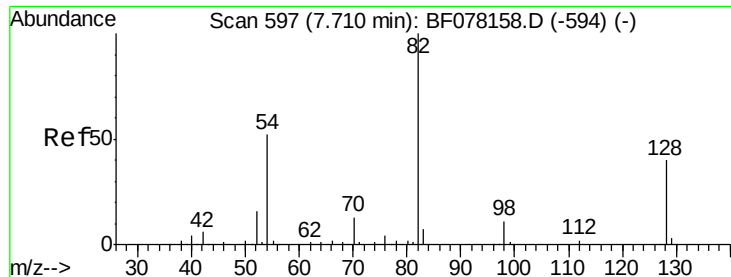
Abundance Ion 136.00 (135.70 to 136.70): E

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

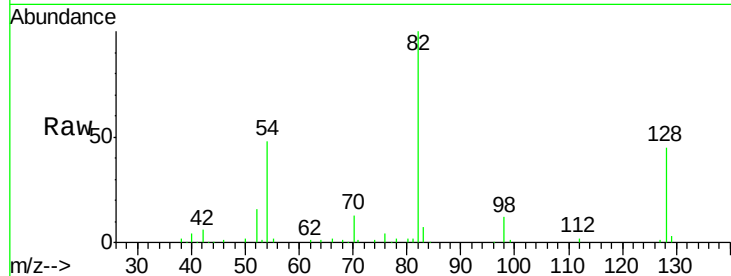




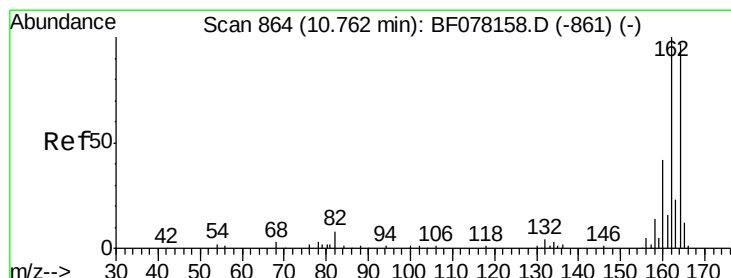
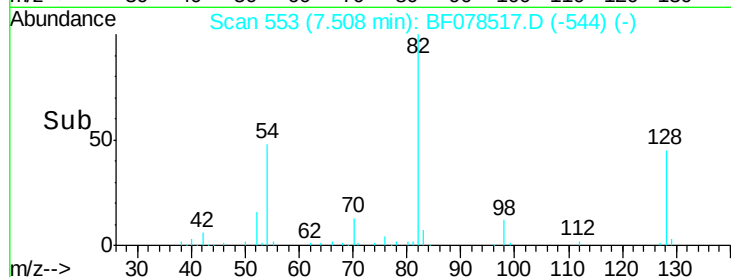
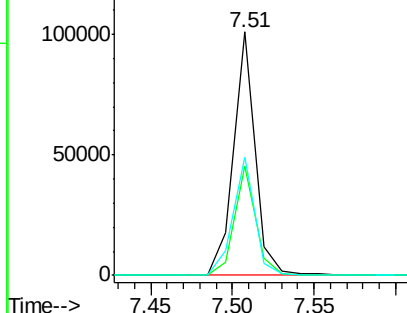
#23
 Nitrobenzene-d5
 Concen: 62.63 ng
 RT: 7.51 min Scan# 553
 Delta R.T. 0.00 min
 Lab File: BF078517.D
 Acq: 14 Apr 2015 23:49

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB04A

Tgt Ion: 82 Resp: 91945
 Ion Ratio Lower Upper
 82 100
 128 45.1 31.8 47.8
 54 48.5 41.5 62.3

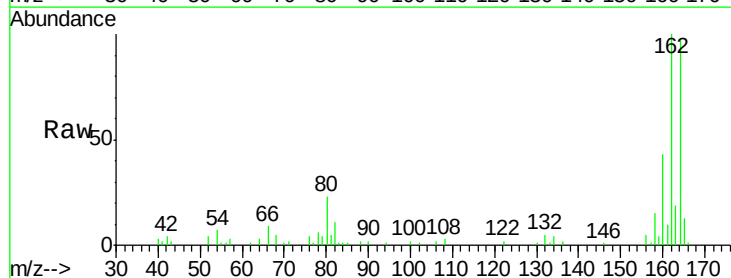


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

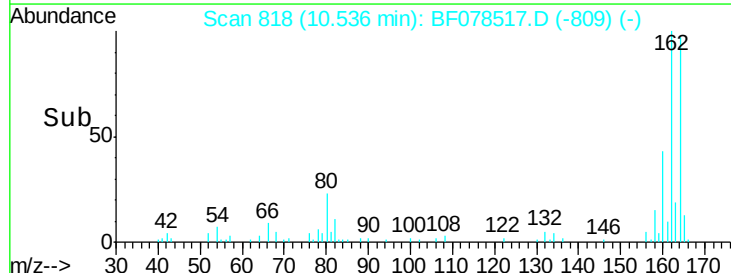
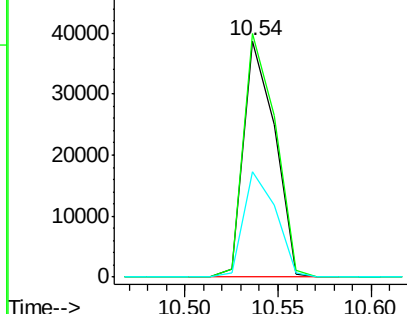


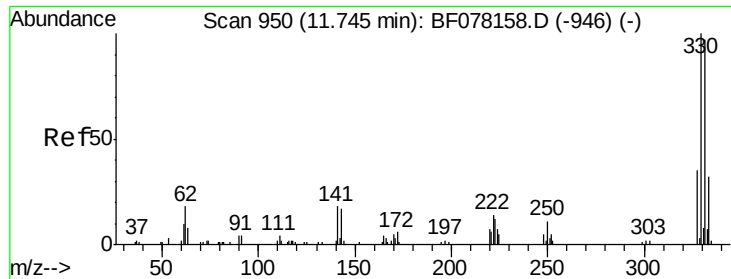
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.54 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: BF078517.D
 Acq: 14 Apr 2015 23:49

Tgt Ion: 164 Resp: 44994
 Ion Ratio Lower Upper
 164 100
 162 103.0 82.2 123.2
 160 44.5 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

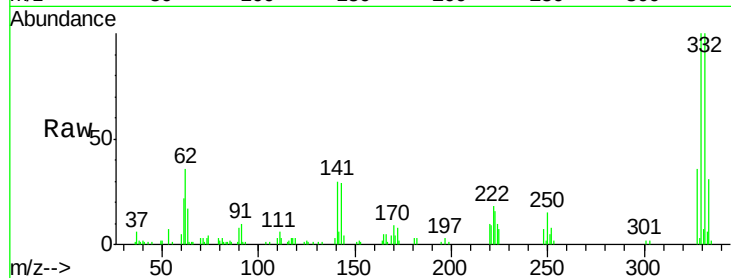




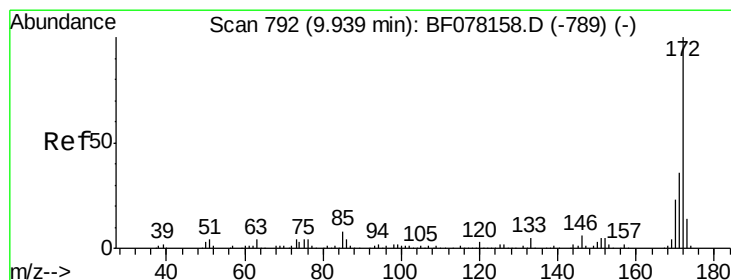
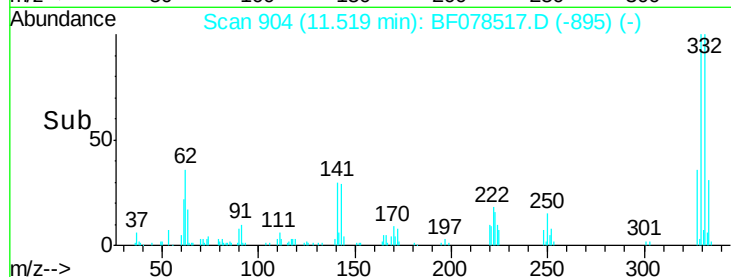
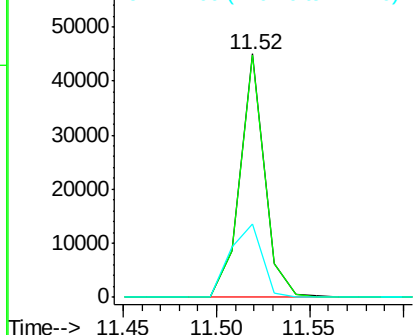
#41
 2,4,6-Tribromophenol
 Concen: 111.49 ng
 RT: 11.52 min Scan# 904
 Delta R.T. 0.00 min
 Lab File: BF078517.D
 Acq: 14 Apr 2015 23:49

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB04A

Tgt Ion:330 Resp: 41605
 Ion Ratio Lower Upper
 330 100
 332 99.1 78.6 117.8
 141 39.2 31.2 46.8

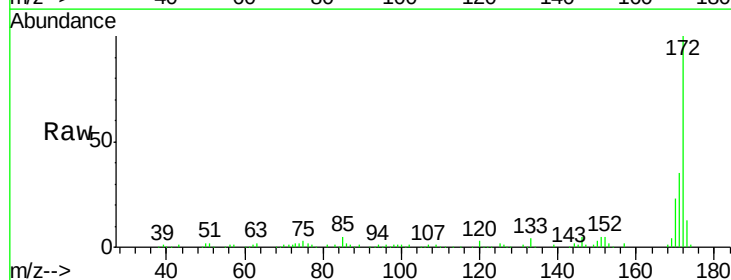


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

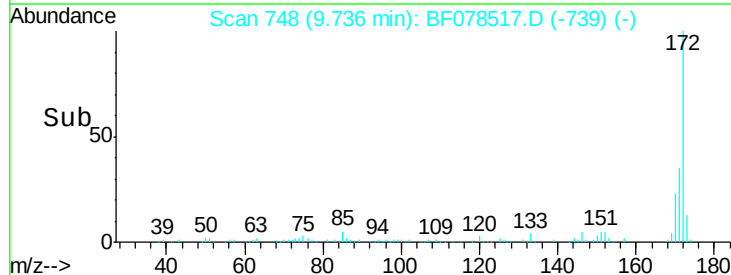
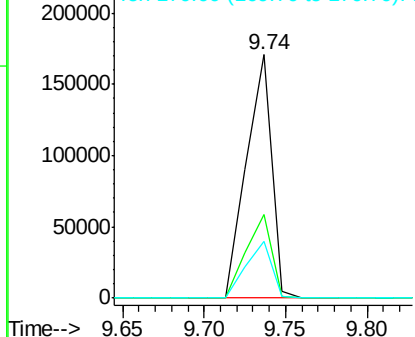


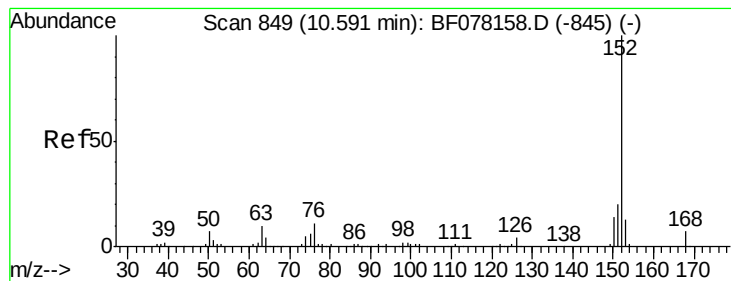
#44
 2-Fluorobiphenyl
 Concen: 58.34 ng
 RT: 9.74 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BF078517.D
 Acq: 14 Apr 2015 23:49

Tgt Ion:172 Resp: 183634
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.6 42.8
 170 23.3 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





#48

Acenaphthylene

Concen: 2.56 ng

RT: 10.36 min Scan# 803

Delta R.T. 0.00 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

Instrument :

BNA_F

ClientSampleId :

HS-SB04A

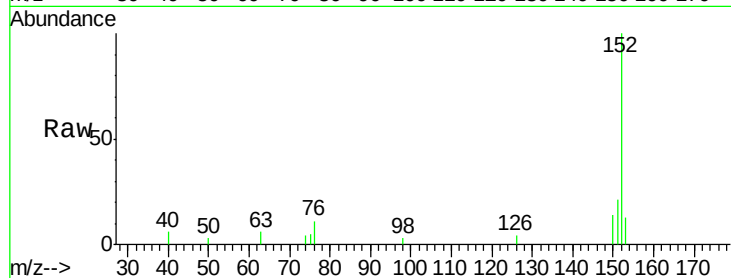
Tgt Ion:152 Resp: 11978

Ion Ratio Lower Upper

152 100

151 21.0 15.7 23.5

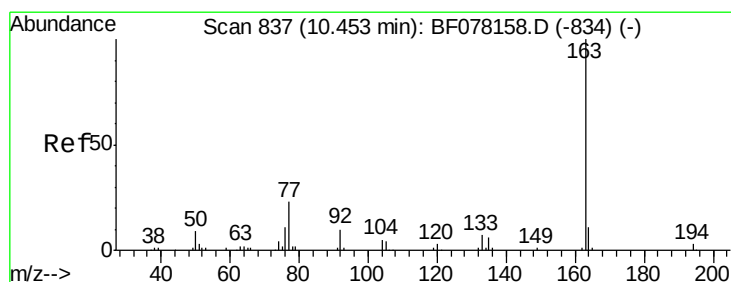
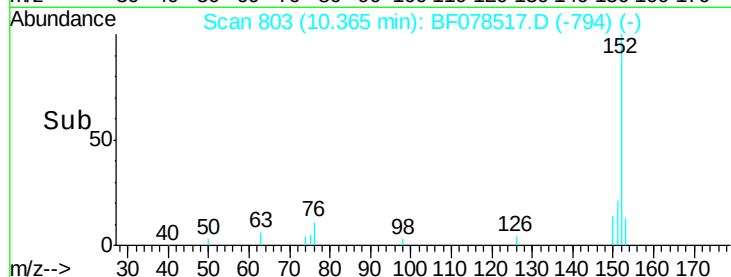
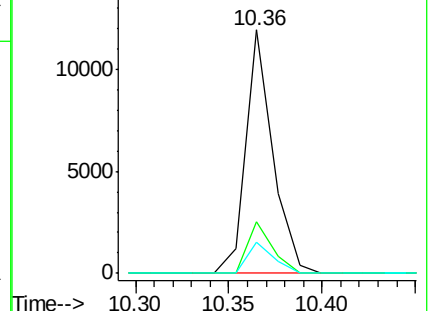
153 12.7 10.2 15.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 3.45 ng

RT: 10.25 min Scan# 793

Delta R.T. 0.00 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

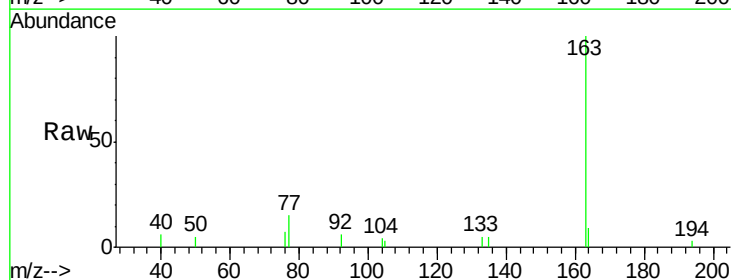
Tgt Ion:163 Resp: 11656

Ion Ratio Lower Upper

163 100

194 3.4 2.3 3.5

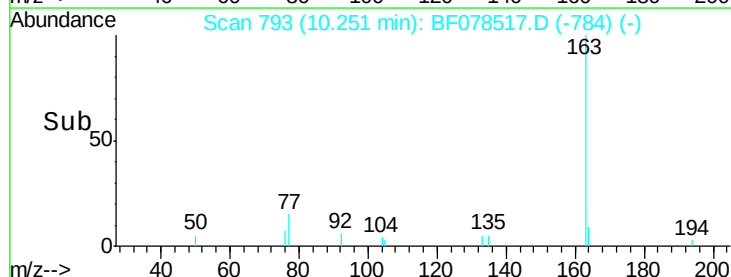
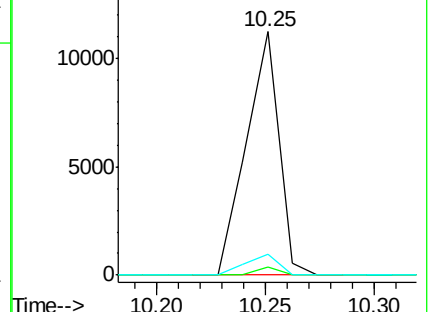
164 8.6 8.6 13.0#

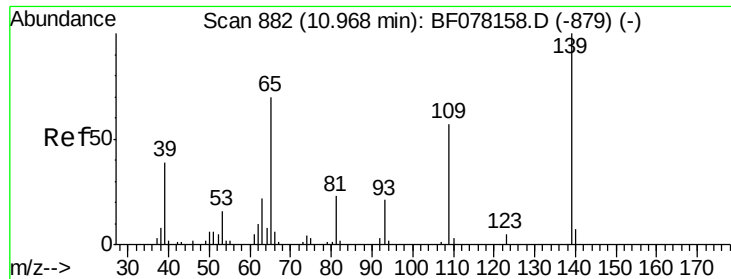


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

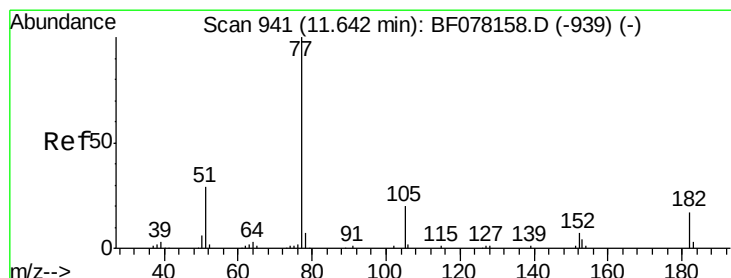
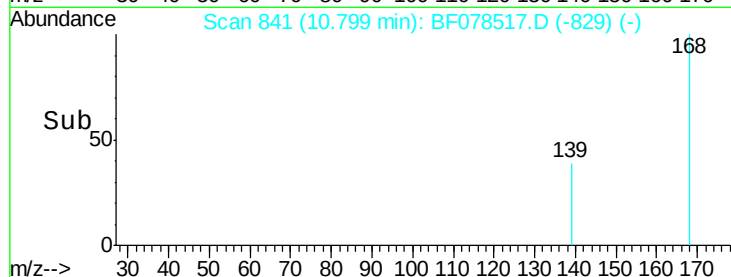
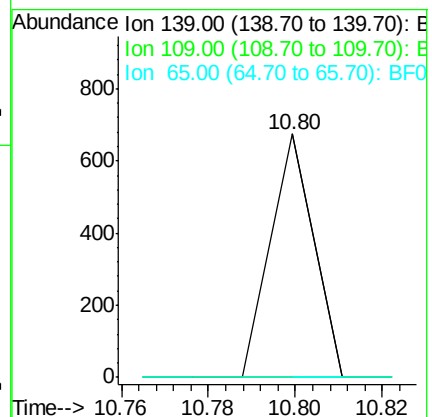
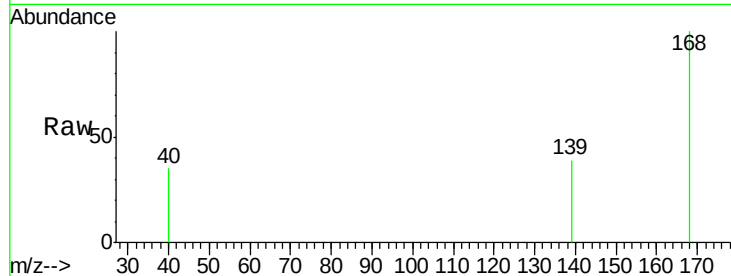




#55
4-Nitrophenol
Concen: 3.53 ng
RT: 10.80 min Scan# 841
Delta R.T. 0.03 min
Lab File: BF078517.D
Acq: 14 Apr 2015 23:49

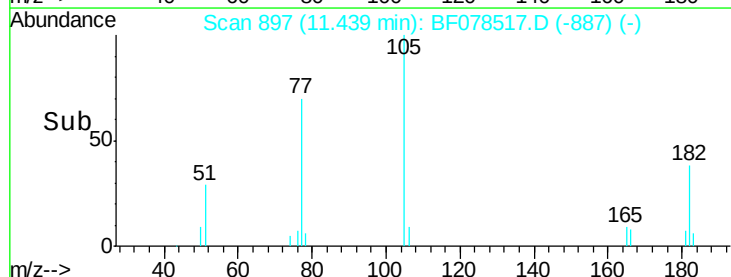
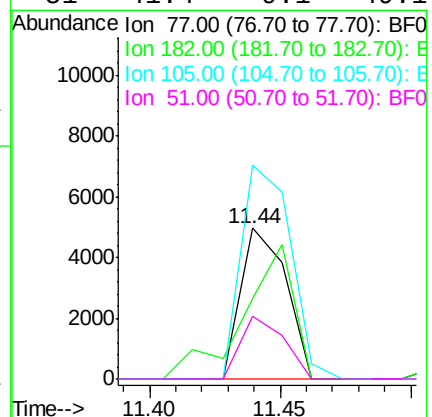
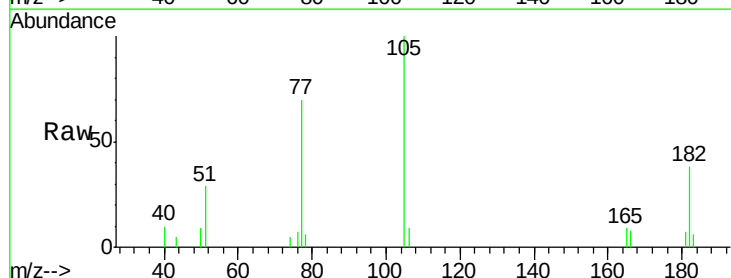
Instrument :
BNA_F
ClientSampleId :
HS-SB04A

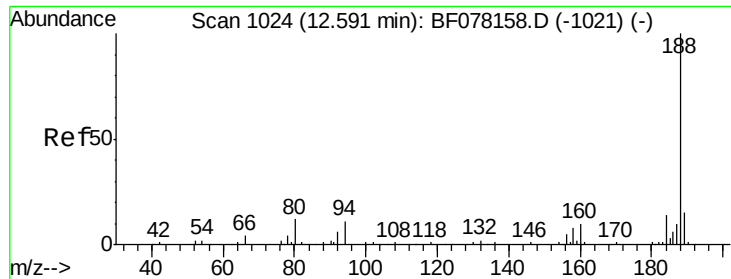
Tgt Ion: 139 Resp: 463
Ion Ratio Lower Upper
139 100
109 0.0 36.7 76.7#
65 0.0 49.9 89.9#



#62
Azobenzene
Concen: 2.03 ng
RT: 11.44 min Scan# 897
Delta R.T. 0.01 min
Lab File: BF078517.D
Acq: 14 Apr 2015 23:49

Tgt Ion: 77 Resp: 6047
Ion Ratio Lower Upper
77 100
182 53.9 0.0 36.8#
105 141.8 0.3 40.3#
51 41.4 9.1 49.1

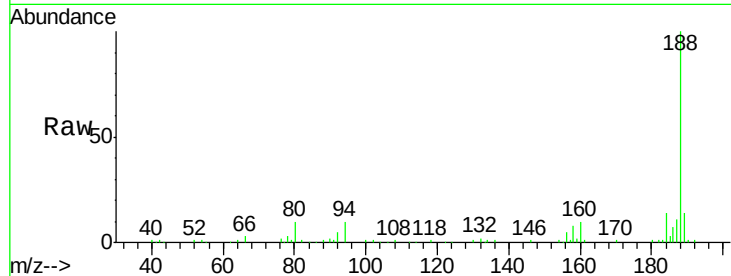




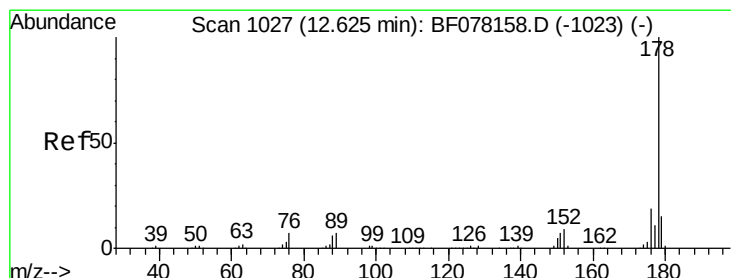
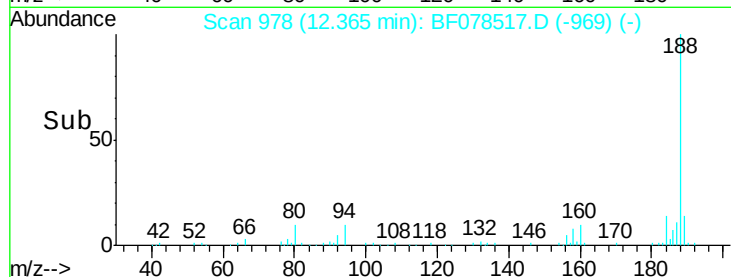
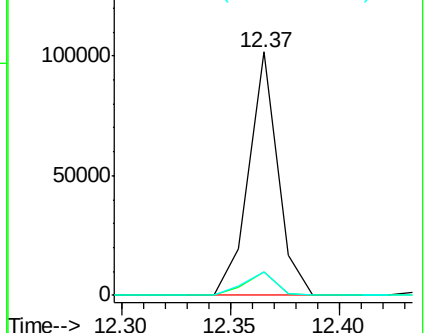
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.37 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: BF078517.D
 Acq: 14 Apr 2015 23:49

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB04A

Tgt Ion:188 Resp: 94795
 Ion Ratio Lower Upper
 188 100
 94 9.8 9.0 13.4
 80 9.8 9.5 14.3

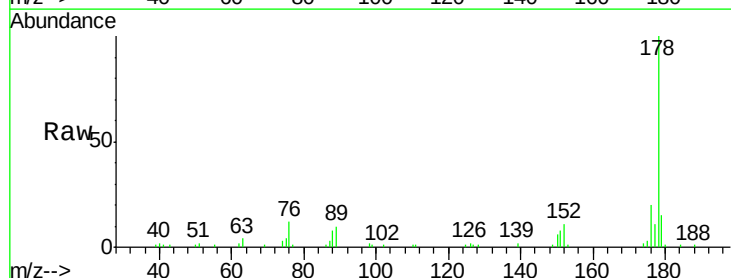


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

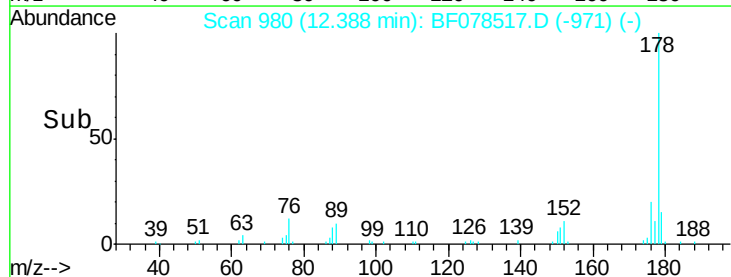
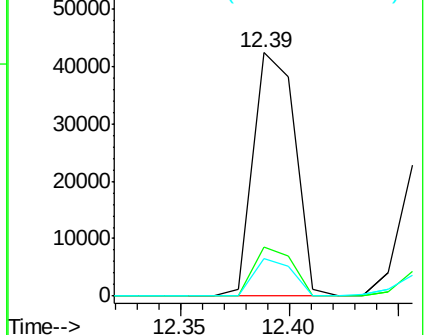


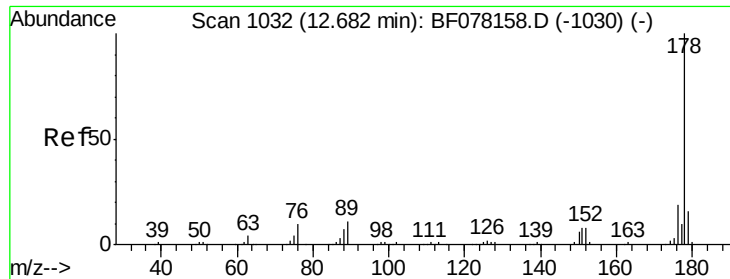
#70
 Phenanthrene
 Concen: 10.39 ng
 RT: 12.39 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: BF078517.D
 Acq: 14 Apr 2015 23:49

Tgt Ion:178 Resp: 56996
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.4 23.0
 179 15.4 12.2 18.2



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

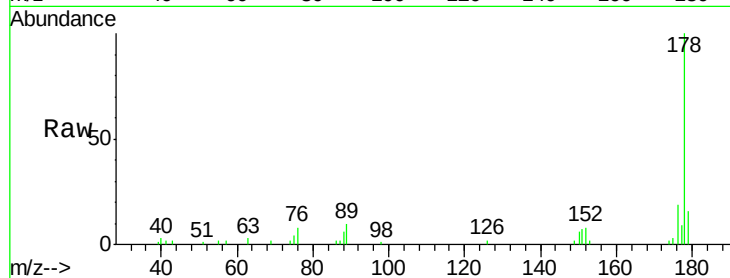




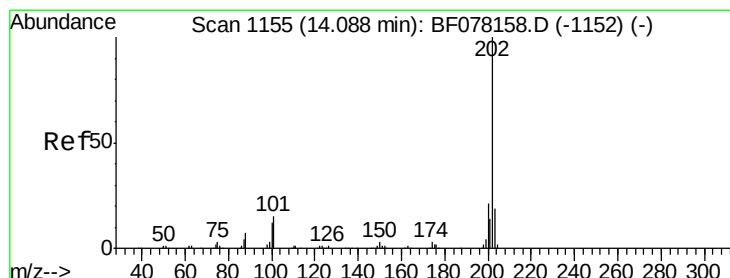
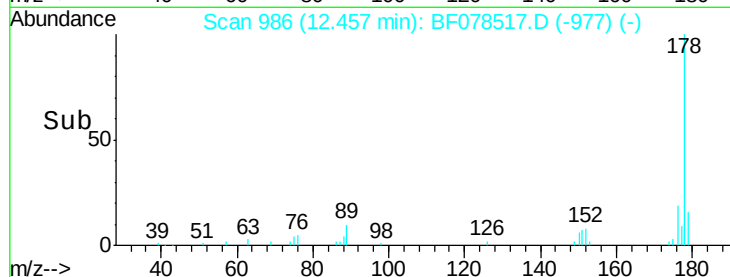
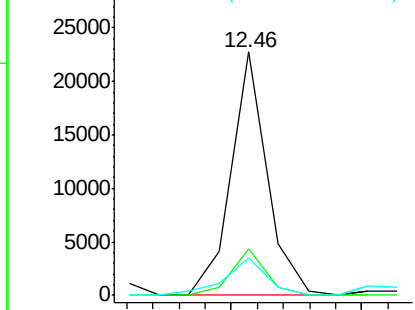
#71
 Anthracene
 Concen: 4.08 ng
 RT: 12.46 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: BF078517.D
 Acq: 14 Apr 2015 23:49

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB04A

Tgt Ion:178 Resp: 22062
 Ion Ratio Lower Upper
 178 100
 176 19.3 14.8 22.2
 179 15.7 12.4 18.6

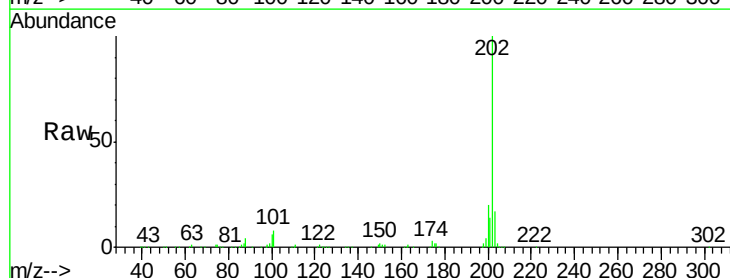


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

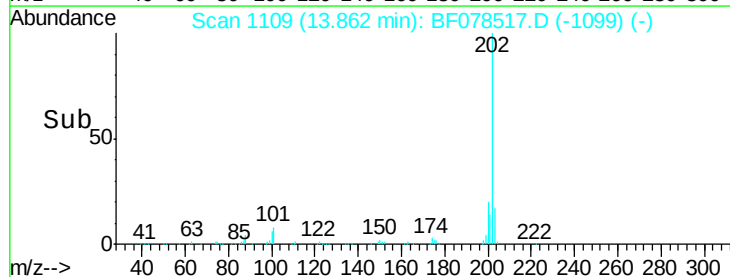
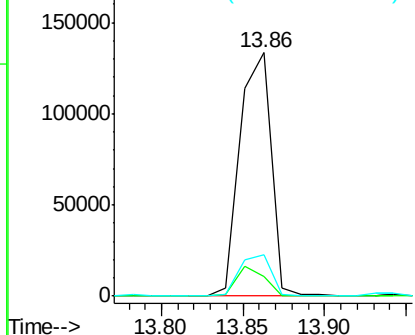


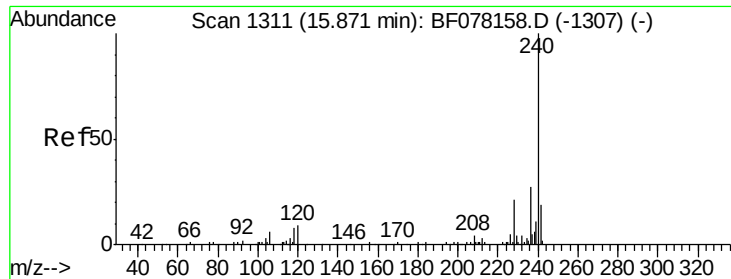
#74
 Fluoranthene
 Concen: 30.67 ng
 RT: 13.86 min Scan# 1109
 Delta R.T. 0.01 min
 Lab File: BF078517.D
 Acq: 14 Apr 2015 23:49

Tgt Ion:202 Resp: 177356
 Ion Ratio Lower Upper
 202 100
 101 8.0 0.0 35.2
 203 17.0 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: BF078517.D

Acq: 14 Apr 2015 23:49

Instrument :

BNA_F

ClientSampleId :

HS-SB04A

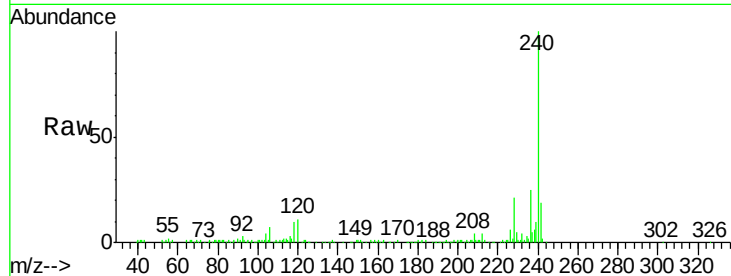
Tgt Ion:240 Resp: 109100

Ion Ratio Lower Upper

240 100

120 11.3 7.1 10.7#

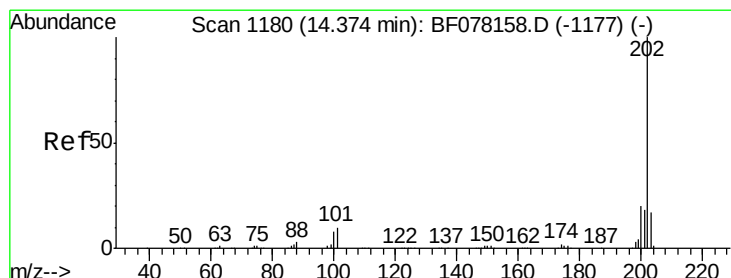
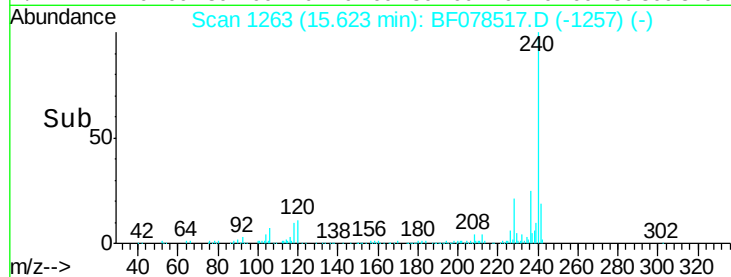
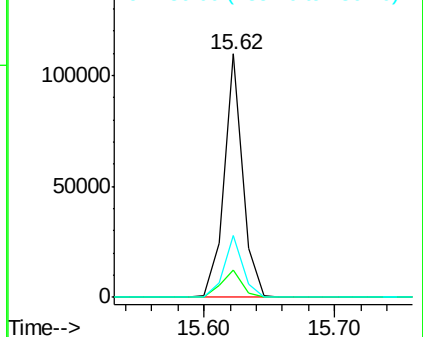
236 25.5 21.4 32.2



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: 22.35 ng

RT: 14.14 min Scan# 1133

Delta R.T. 0.01 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

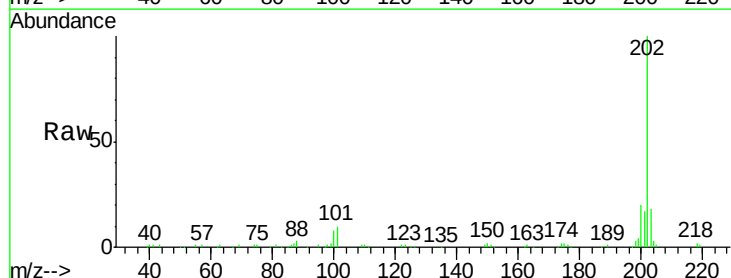
Tgt Ion:202 Resp: 153081

Ion Ratio Lower Upper

202 100

200 20.1 16.3 24.5

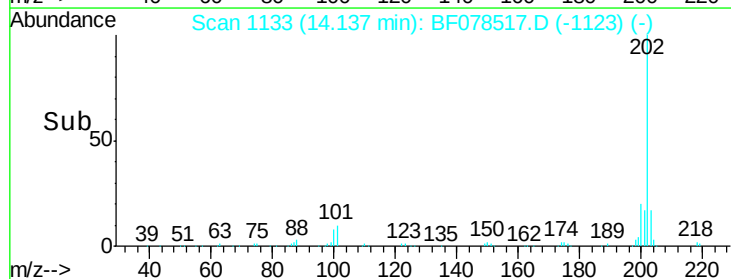
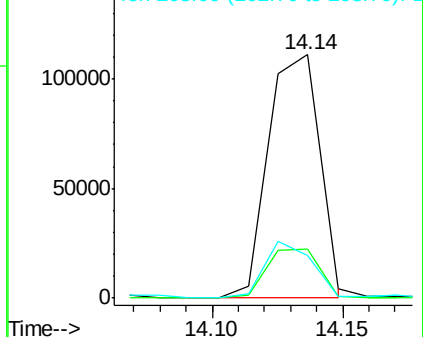
203 17.8 13.8 20.6

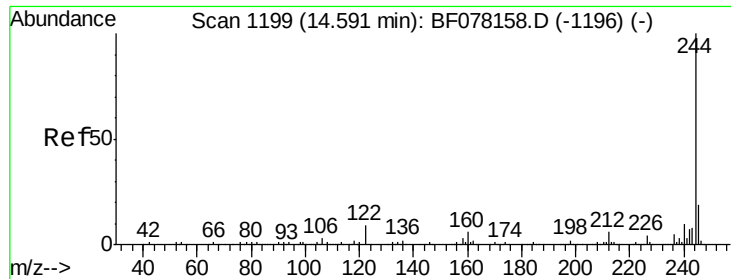


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 46.67 ng

RT: 14.35 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

Instrument :

BNA_F

ClientSampled :

HS-SB04A

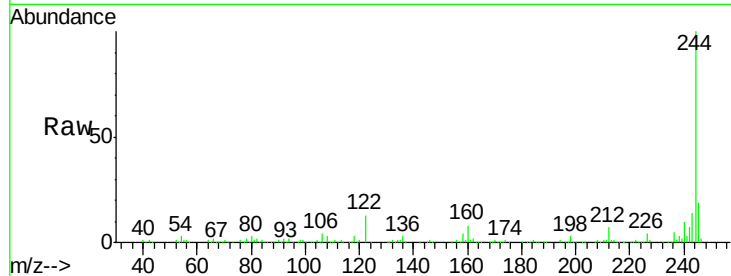
Tgt Ion:244 Resp: 225348

Ion Ratio Lower Upper

244 100

212 6.9 5.0 7.4

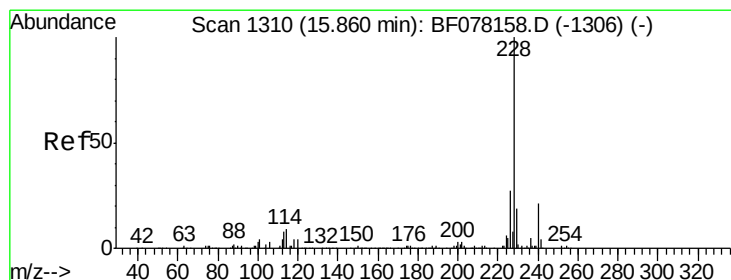
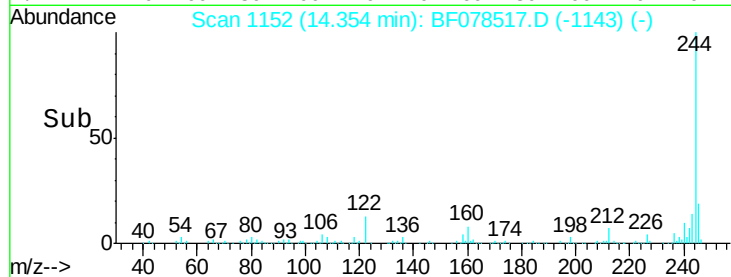
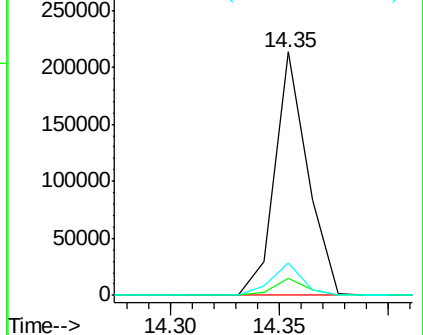
122 13.4 7.1 10.7#



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: 17.16 ng

RT: 15.61 min Scan# 1262

Delta R.T. -0.03 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

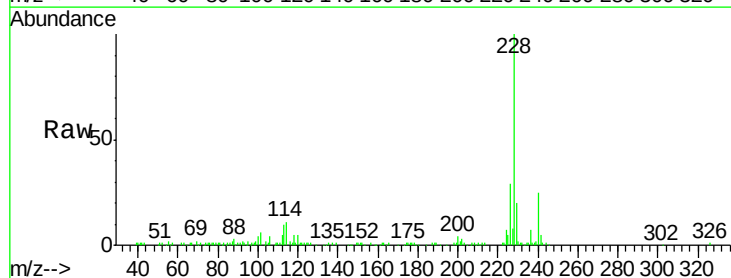
Tgt Ion:228 Resp: 111414

Ion Ratio Lower Upper

228 100

226 29.2 21.3 31.9

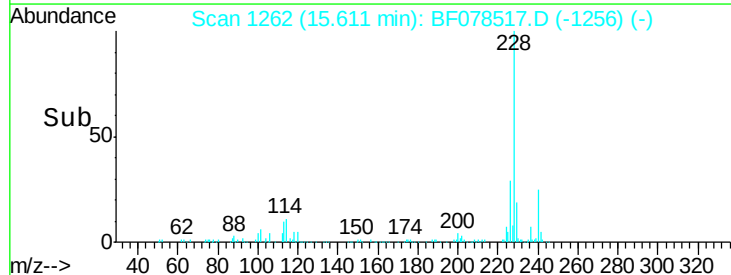
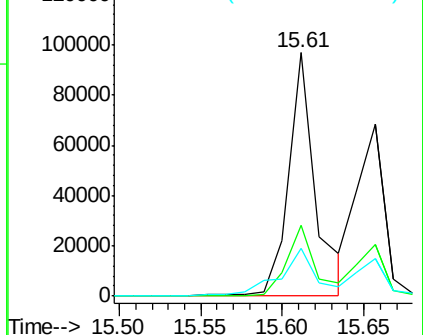
229 19.8 15.4 23.2

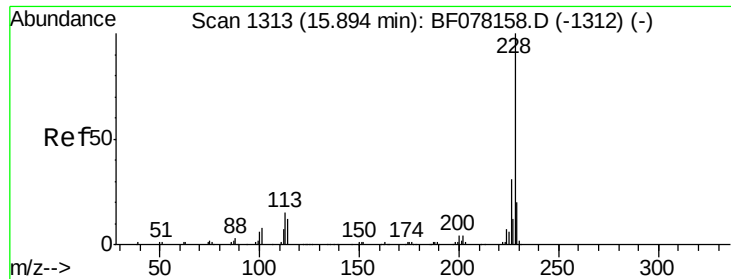


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 13.10 ng

RT: 15.66 min Scan# 1266

Delta R.T. -0.03 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

Instrument :

BNA_F

ClientSampleId :

HS-SB04A

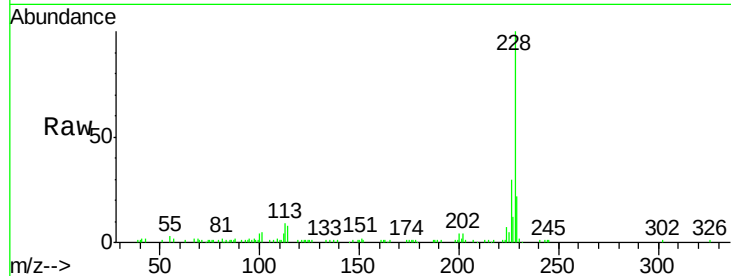
Tgt Ion:228 Resp: 79891

Ion Ratio Lower Upper

228 100

226 30.1 24.2 36.4

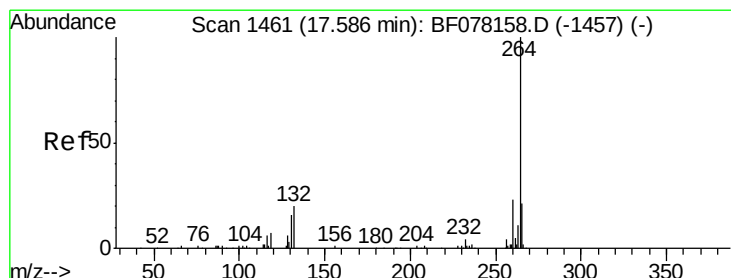
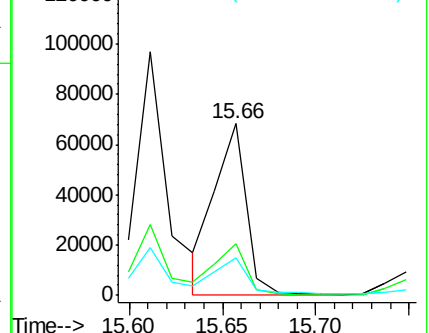
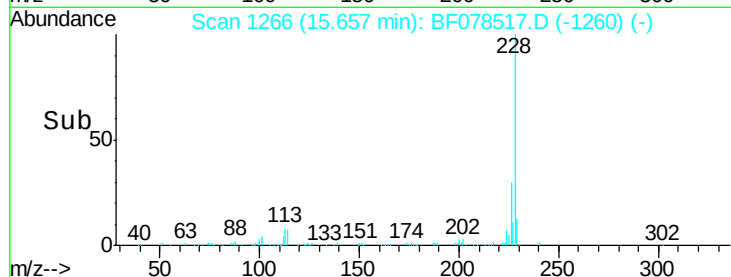
229 22.0 15.8 23.8



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: 17.31 min Scan# 1411

Delta R.T. -0.17 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

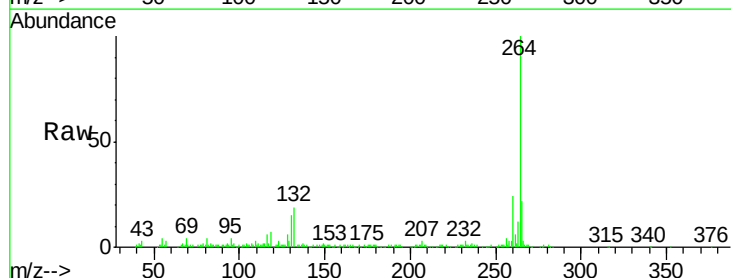
Tgt Ion:264 Resp: 110871

Ion Ratio Lower Upper

264 100

260 24.2 18.6 27.8

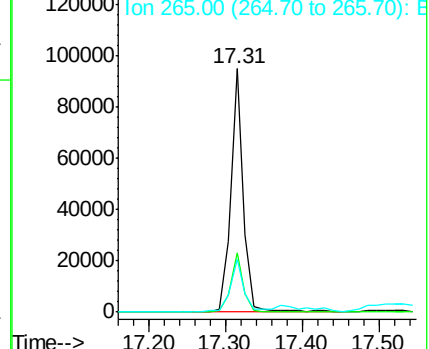
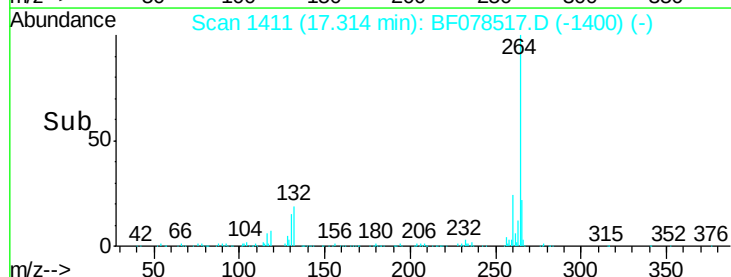
265 21.6 17.0 25.6

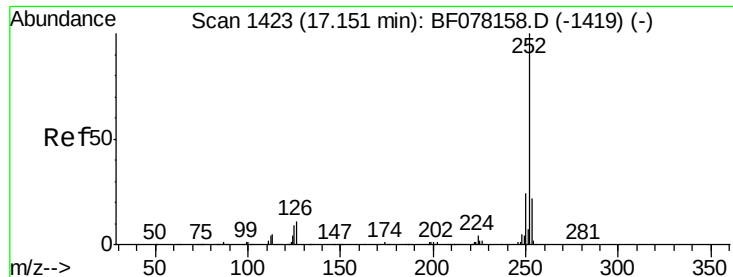


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 20.75 ng

RT: 16.88 min Scan# 1373

Delta R.T. -0.14 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

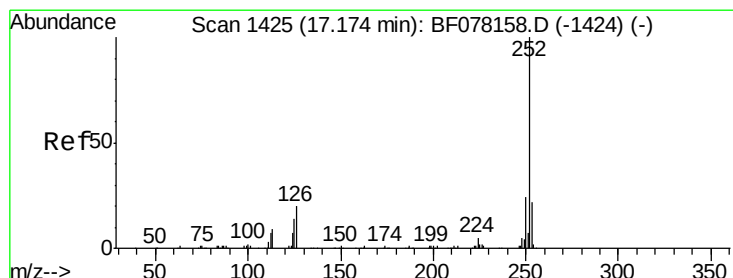
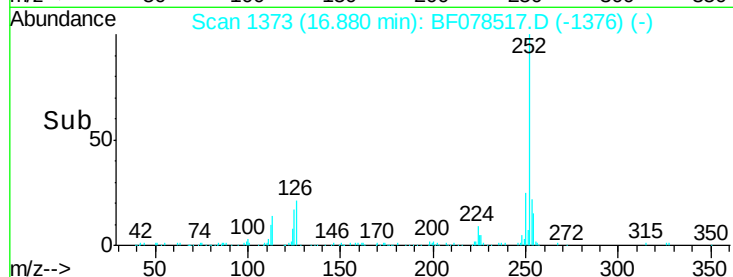
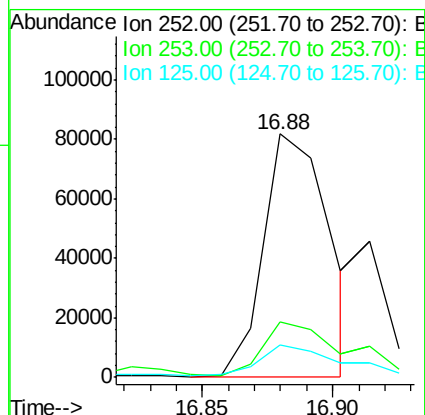
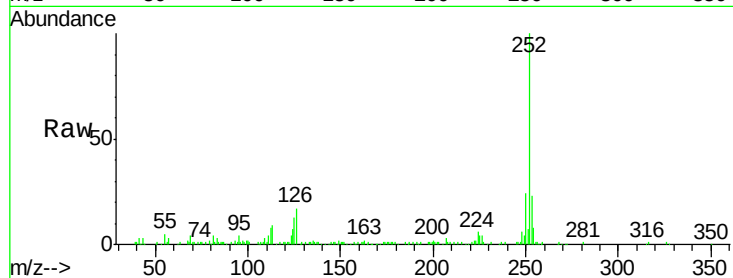
Instrument :

BNA_F

ClientSampleId :

HS-SB04A

Tgt Ion:	252	Resp:	142164
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	13.5	7.0	10.4#



#88

Benzo(k)fluoranthene

Concen: 29.61 ng

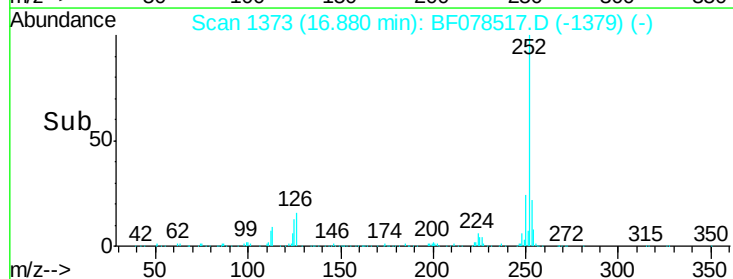
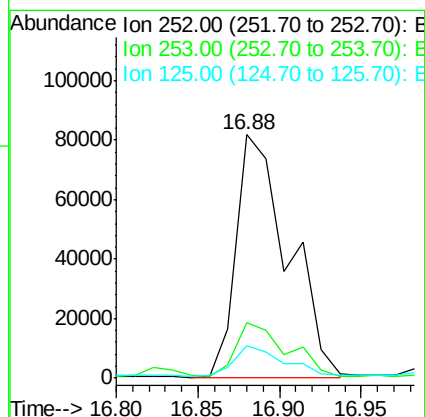
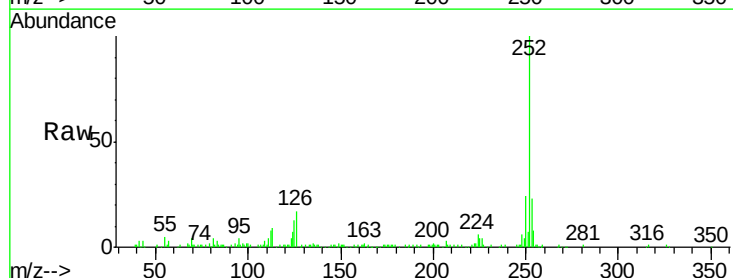
RT: 16.88 min Scan# 1373

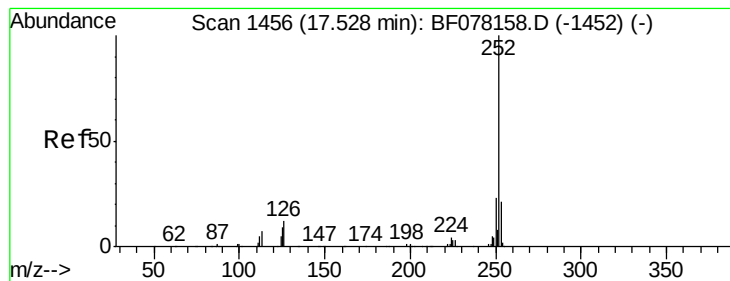
Delta R.T. -0.17 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

Tgt Ion:	252	Resp:	180301
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	13.5	11.6	17.4





#89

Benzo(a)pyrene

Concen: 15.84 ng

RT: 17.26 min Scan# 1406

Delta R.T. -0.16 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

Instrument :

BNA_F

ClientSampleId :

HS-SB04A

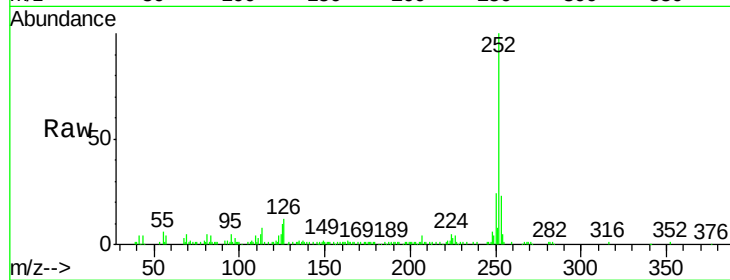
Tgt Ion:252 Resp: 94705

Ion Ratio Lower Upper

252 100

253 22.8 16.8 25.2

125 10.3 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

