

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
 Data File : BF078506.D
 Acq On : 14 Apr 2015 18:33
 Operator : TP/IZ
 Sample : G1828-02 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB05B

Quant Time: Apr 15 01:41:47 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	19983	20.00	ng	0.00
21) Naphthalene-d8	8.38	136	84573	20.00	ng	-0.01
38) Acenaphthene-d10	10.54	164	46034	20.00	ng	0.00
63) Phenanthrene-d10	12.37	188	95171	20.00	ng	0.00
75) Chrysene-d12	15.62	240	107976	20.00	ng	-0.03
86) Perylene-d12	17.38	264	105593	20.00	ng	-0.10

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.06	112	26923	22.21	ng	0.01
7) Phenol-d6	6.41	99	38100	25.08	ng	0.00
23) Nitrobenzene-d5	7.51	82	21079	15.11	ng	0.00
41) 2,4,6-Tribromophenol	11.52	330	9657	25.29	ng	0.00
44) 2-Fluorobiphenyl	9.72	172	45727	14.20	ng	-0.01
78) Terphenyl-d14	14.35	244	62756	13.13	ng	0.00

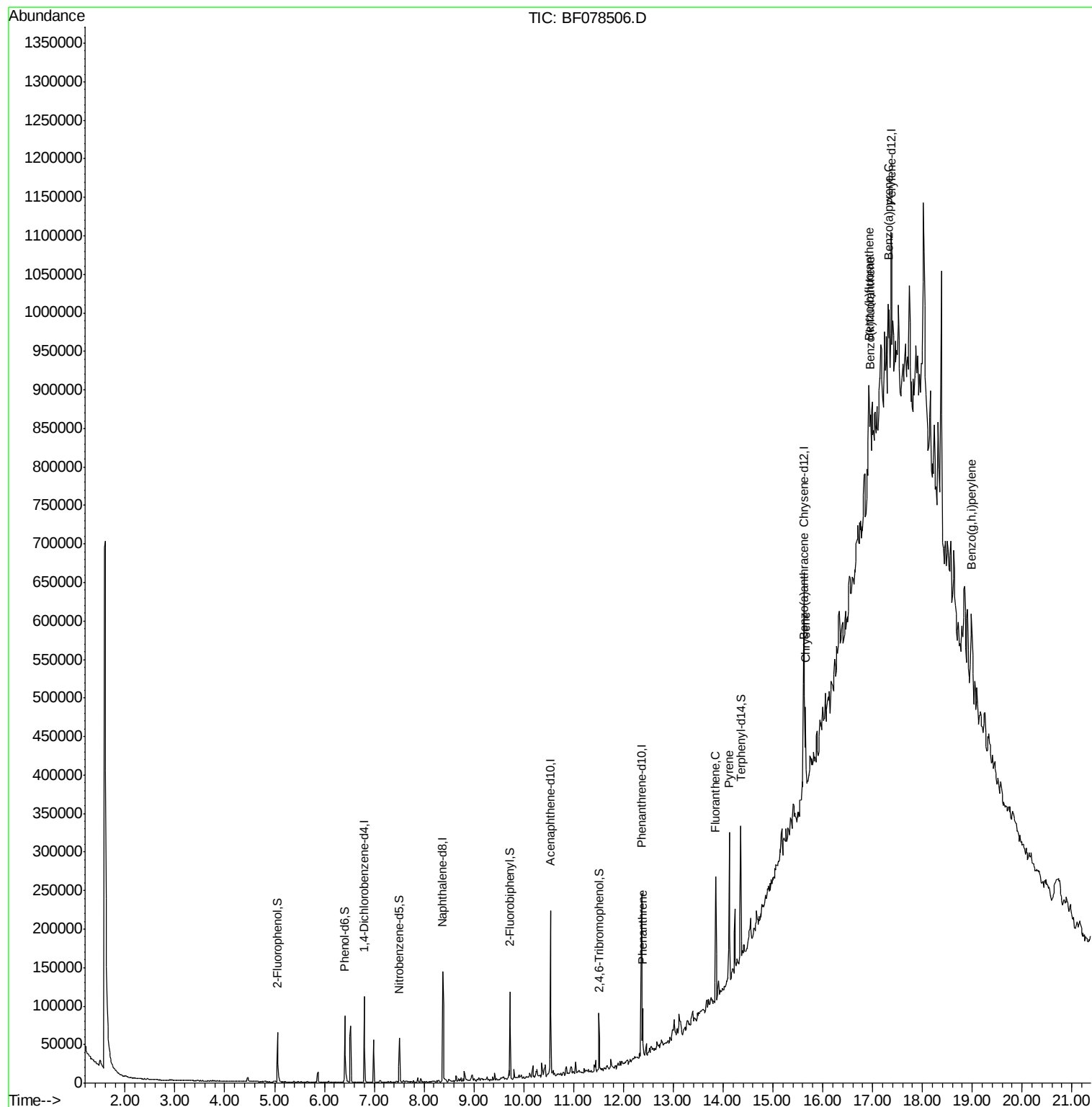
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
70) Phenanthrene	12.39	178	25217	4.58	ng	99
74) Fluoranthene	13.85	202	73333	12.63	ng	97
77) Pyrene	14.13	202	77070	11.37	ng	# 94
80) Benzo(a)anthracene	15.61	228	55712	8.67	ng	94
82) Chrysene	15.66	228	44160m	7.32	ng	
87) Benzo(b)fluoranthene	16.93	252	83310m	12.77	ng	
88) Benzo(k)fluoranthene	16.96	252	22187m	3.83	ng	
89) Benzo(a)pyrene	17.31	252	64539	11.33	ng	# 83
91) Benzo(g,h,i)perylene	18.98	276	59993m	10.49	ng	

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078506.D
Acq On : 14 Apr 2015 18:33
Operator : TP/IZ
Sample : G1828-02 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HS-SB05B

Quant Time: Apr 15 01:41:47 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 491

Delta R.T. 0.00 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

Instrument :

BNA_F

ClientSampleId :

HS-SB05B

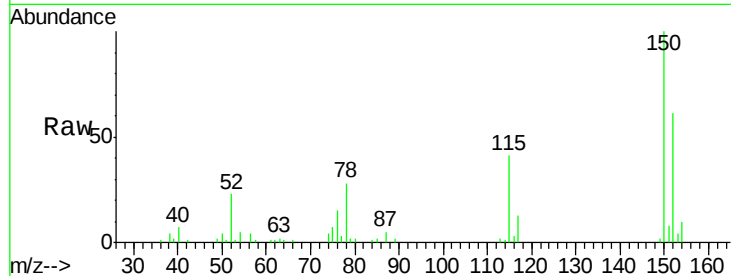
Tgt Ion:152 Resp: 19983

Ion Ratio Lower Upper

152 100

150 162.9 125.9 188.9

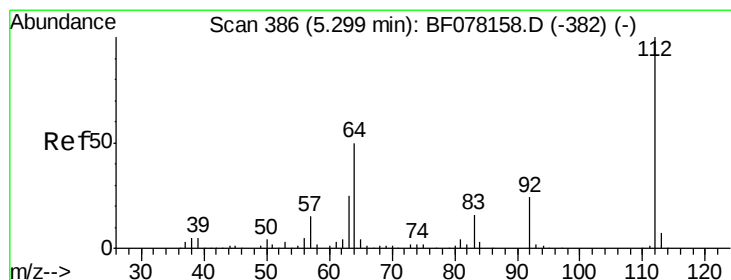
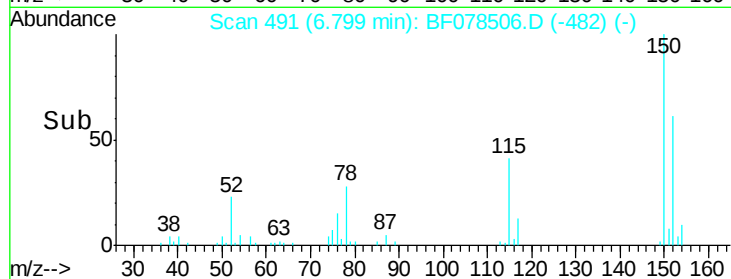
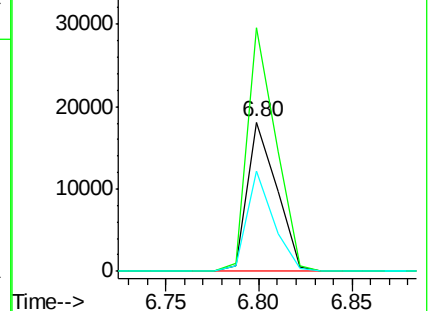
115 67.1 52.7 79.1



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



#5

2-Fluorophenol

Concen: 22.21 ng

RT: 5.06 min Scan# 339

Delta R.T. 0.01 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

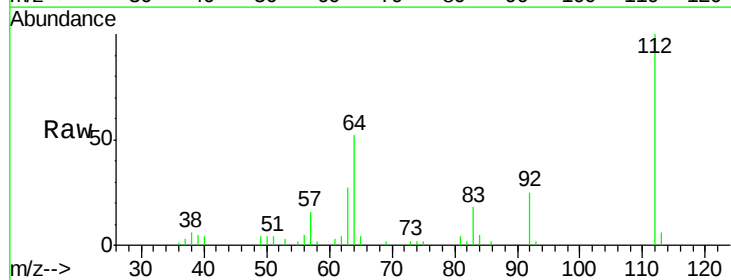
Tgt Ion:112 Resp: 26923

Ion Ratio Lower Upper

112 100

64 52.0 39.9 59.9

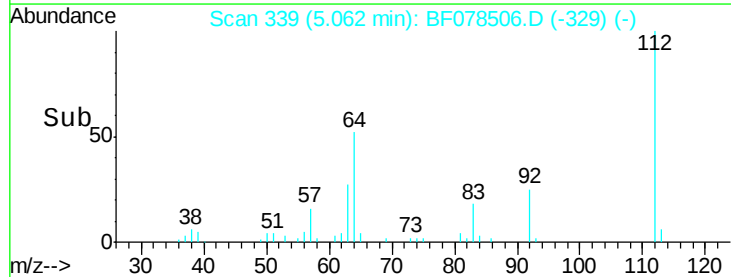
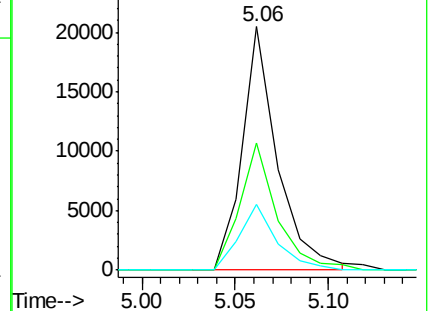
63 27.2 20.2 30.4

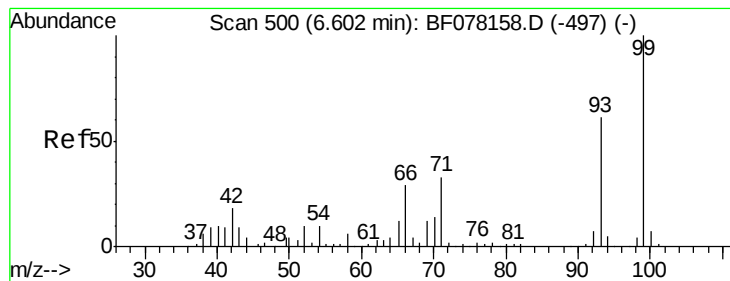


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 25.08 ng

RT: 6.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

Instrument :

BNA_F

ClientSampleId :

HS-SB05B

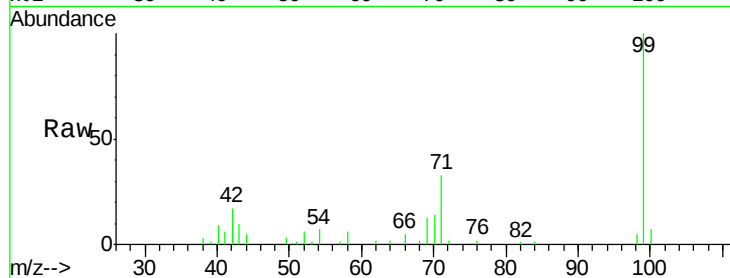
Tgt Ion: 99 Resp: 38100

Ion Ratio Lower Upper

99 100

42 17.3 14.8 22.2

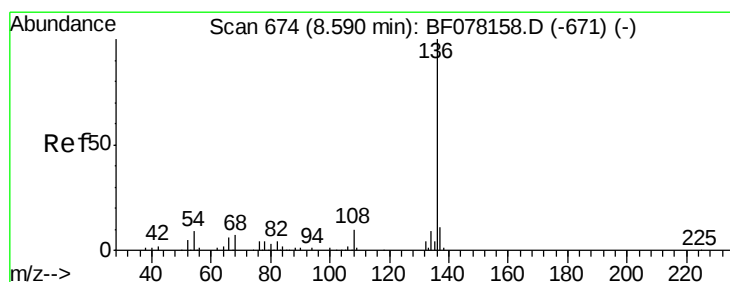
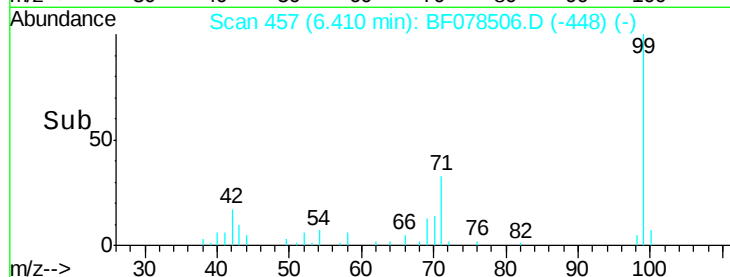
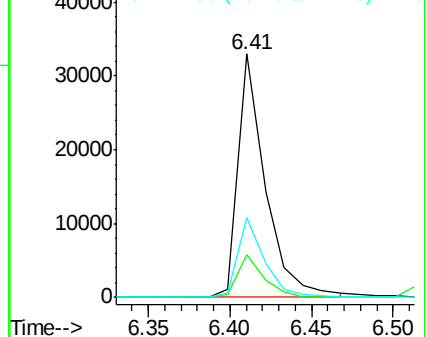
71 32.8 26.6 39.8



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: 8.38 min Scan# 629

Delta R.T. -0.01 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

Tgt Ion: 136 Resp: 84573

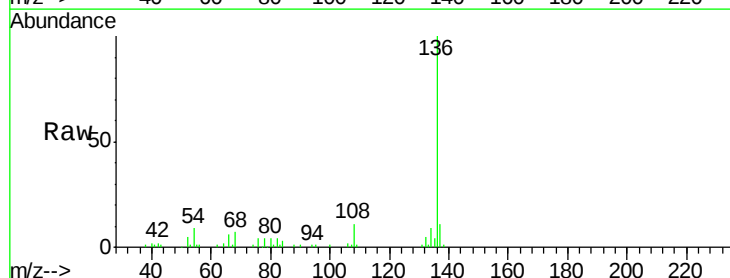
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 9.0 7.0 10.6

68 7.1 5.4 8.2

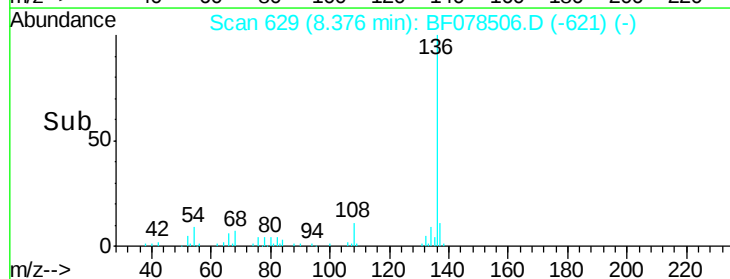
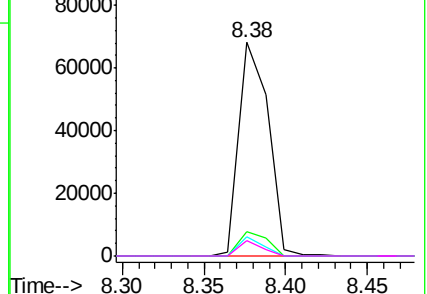


Abundance Ion 136.00 (135.70 to 136.70): E

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

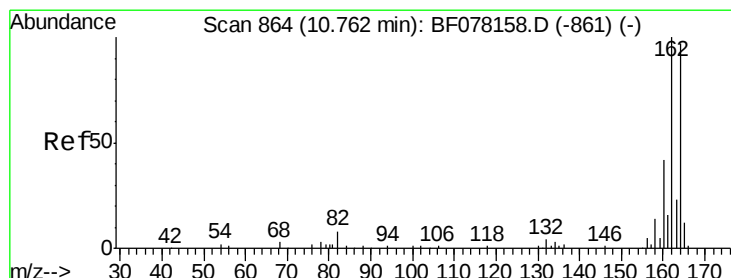
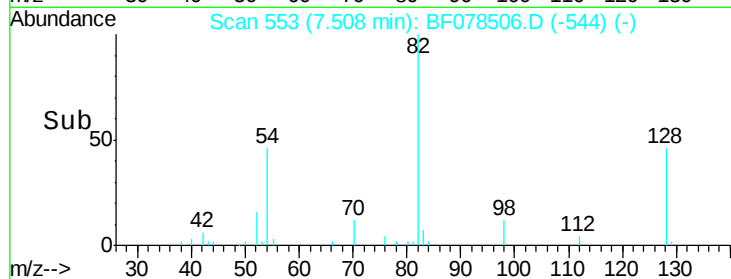
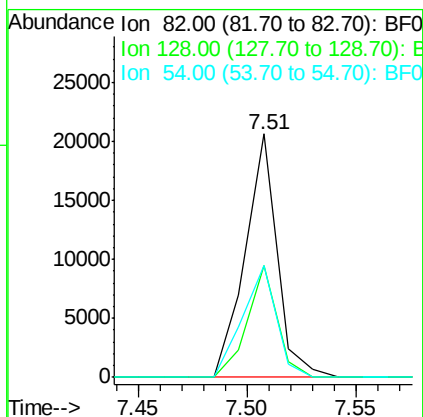
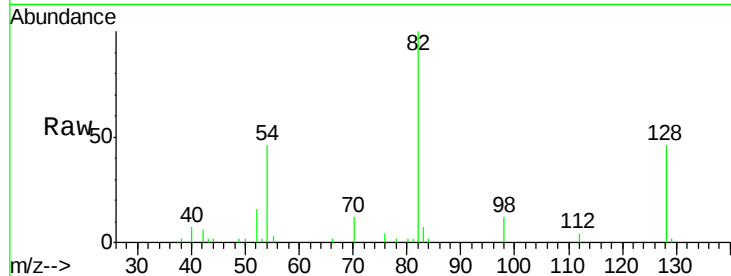




#23
 Nitrobenzene-d5
 Concen: 15.11 ng
 RT: 7.51 min Scan# 553
 Delta R.T. 0.00 min
 Lab File: BF078506.D
 Acq: 14 Apr 2015 18:33

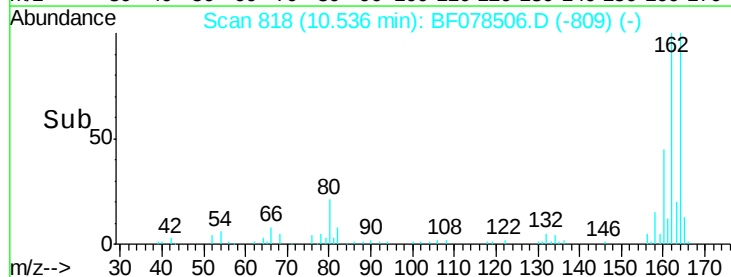
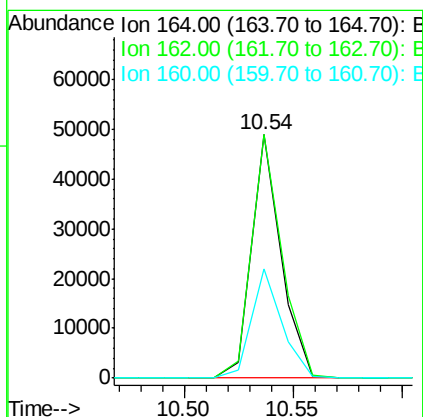
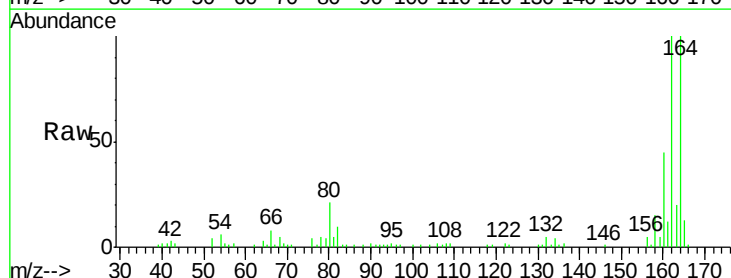
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB05B

Tgt Ion: 82 Resp: 21079
 Ion Ratio Lower Upper
 82 100
 128 45.7 31.8 47.8
 54 45.8 41.5 62.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.54 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: BF078506.D
 Acq: 14 Apr 2015 18:33

Tgt Ion: 164 Resp: 46034
 Ion Ratio Lower Upper
 164 100
 162 99.9 82.2 123.2
 160 44.7 34.7 52.1

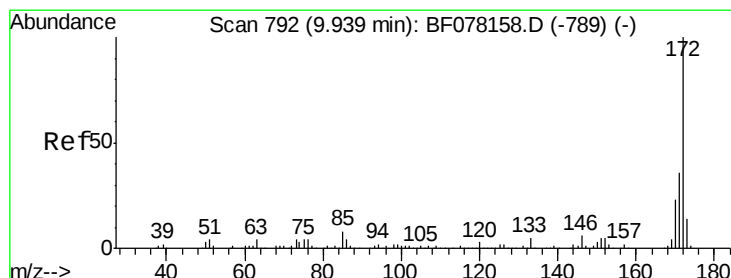
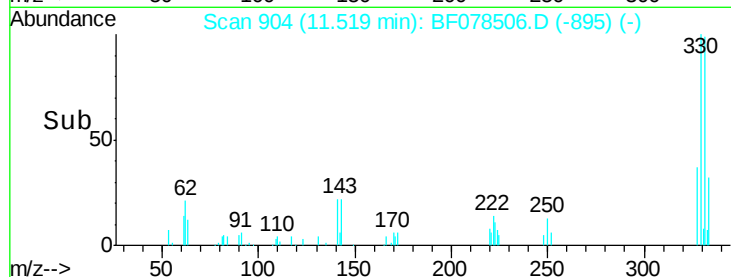
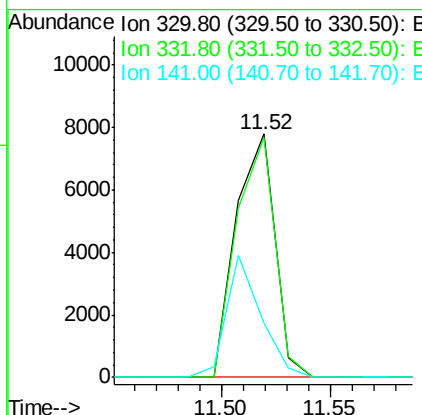
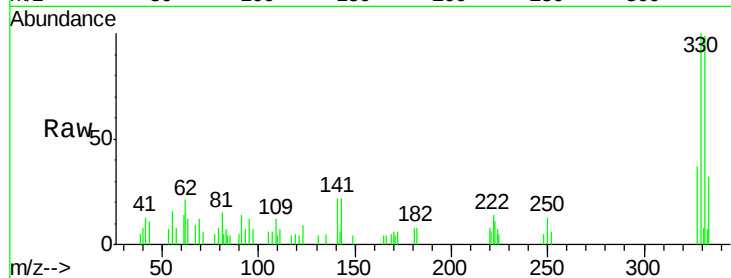




#41
 2,4,6-Tribromophenol
 Concen: 25.29 ng
 RT: 11.52 min Scan# 904
 Delta R.T. 0.00 min
 Lab File: BF078506.D
 Acq: 14 Apr 2015 18:33

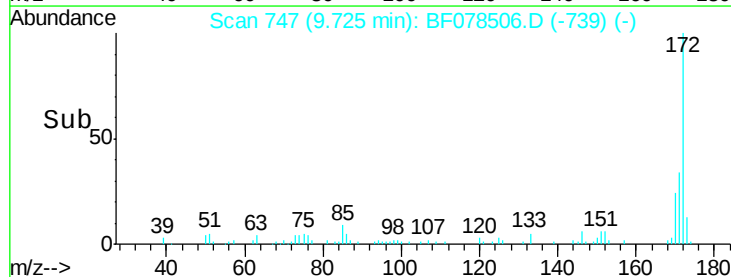
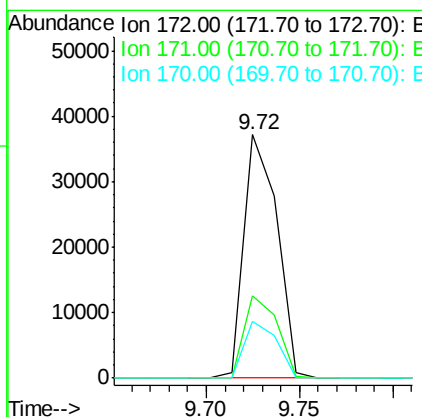
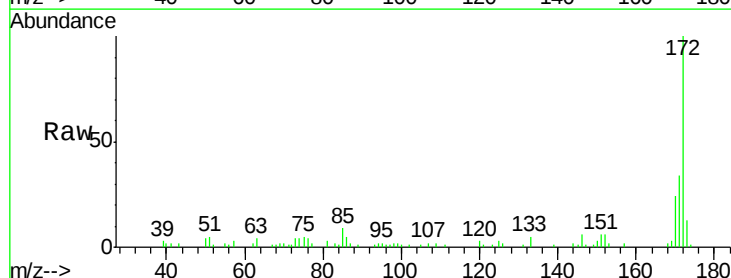
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB05B

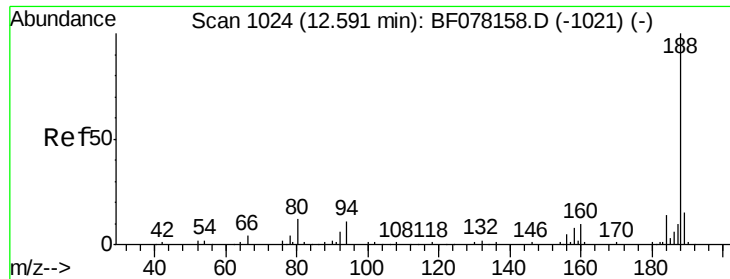
Tgt Ion:330 Resp: 9657
 Ion Ratio Lower Upper
 330 100
 332 97.7 78.6 117.8
 141 44.6 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 14.20 ng
 RT: 9.72 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF078506.D
 Acq: 14 Apr 2015 18:33

Tgt Ion:172 Resp: 45727
 Ion Ratio Lower Upper
 172 100
 171 33.9 28.6 42.8
 170 23.6 18.5 27.7

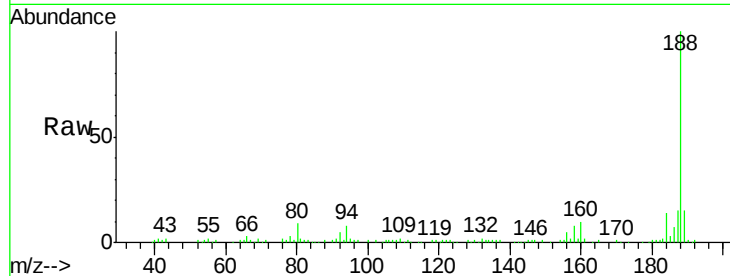




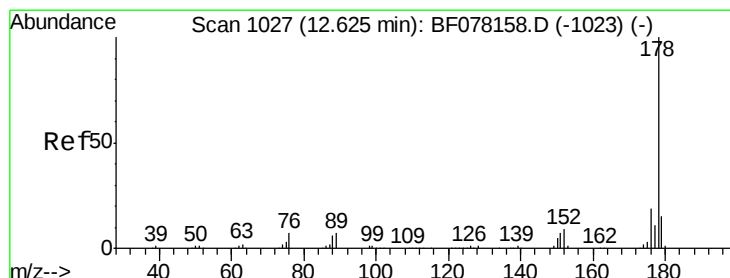
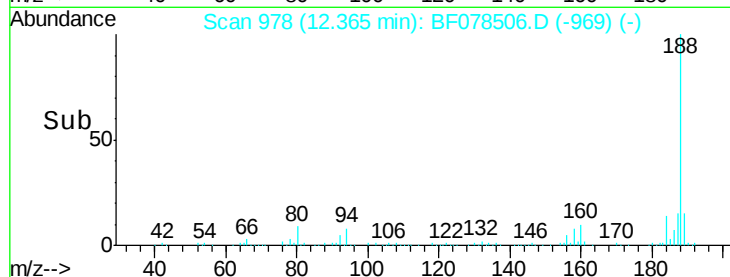
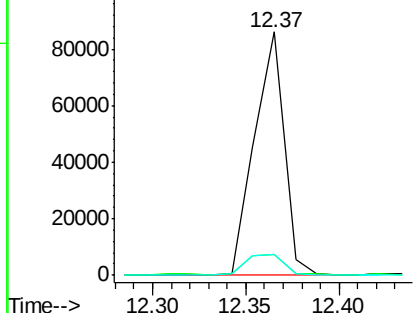
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.37 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: BF078506.D
 Acq: 14 Apr 2015 18:33

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB05B

Tgt Ion:188 Resp: 95171
 Ion Ratio Lower Upper
 188 100
 94 8.4 9.0 13.4#
 80 8.8 9.5 14.3#

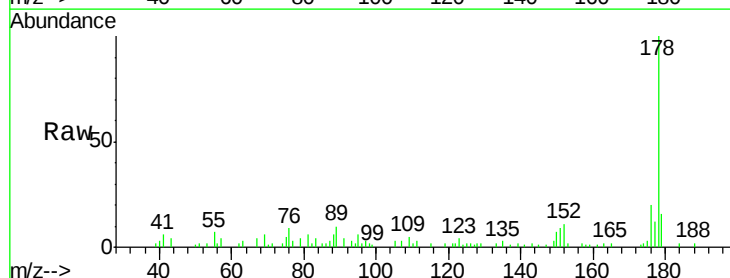


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

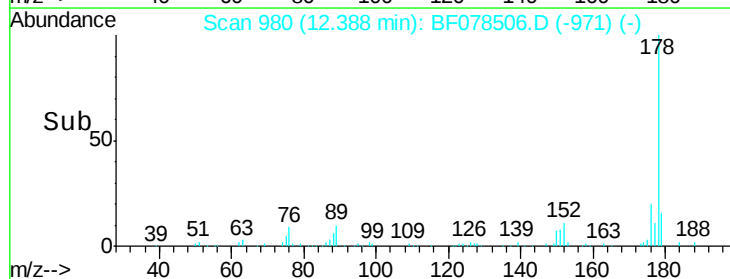
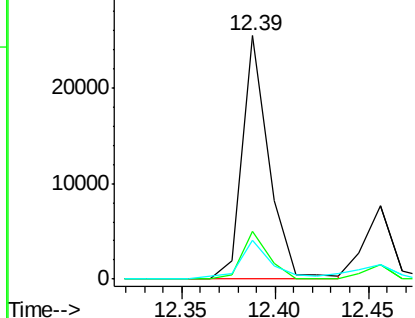


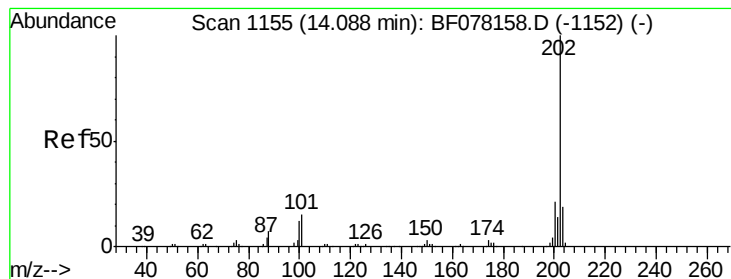
#70
 Phenanthrene
 Concen: 4.58 ng
 RT: 12.39 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: BF078506.D
 Acq: 14 Apr 2015 18:33

Tgt Ion:178 Resp: 25217
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.4 23.0
 179 15.8 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





#74

Fluoranthene

Concen: 12.63 ng

RT: 13.85 min Scan# 1108

Delta R.T. 0.00 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

Instrument :

BNA_F

ClientSampleId :

HS-SB05B

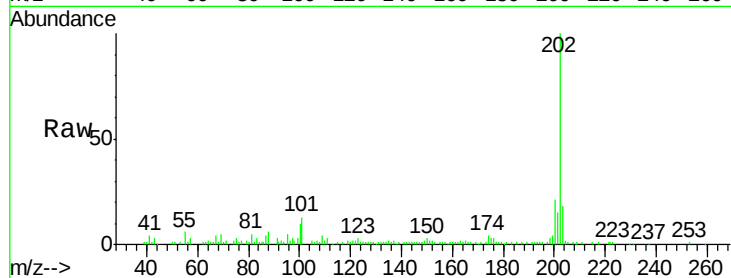
Tgt Ion:202 Resp: 73333

Ion Ratio Lower Upper

202 100

101 12.7 0.0 35.2

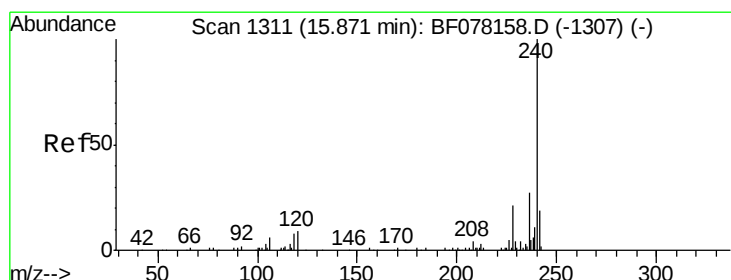
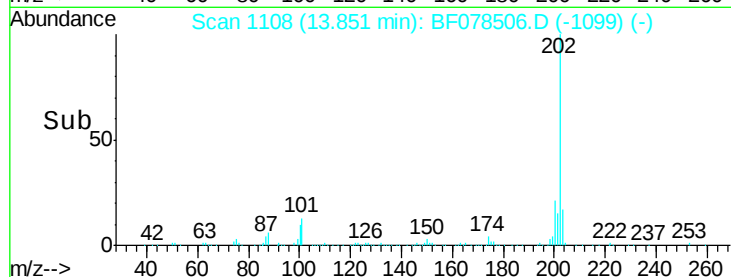
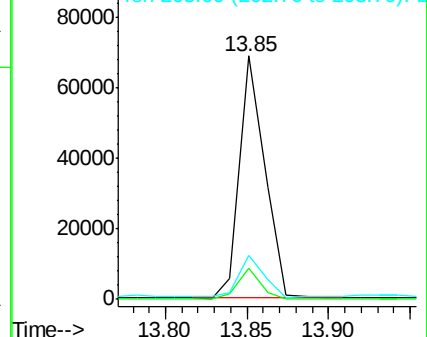
203 18.1 0.0 38.5



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: BF078506.D

Acq: 14 Apr 2015 18:33

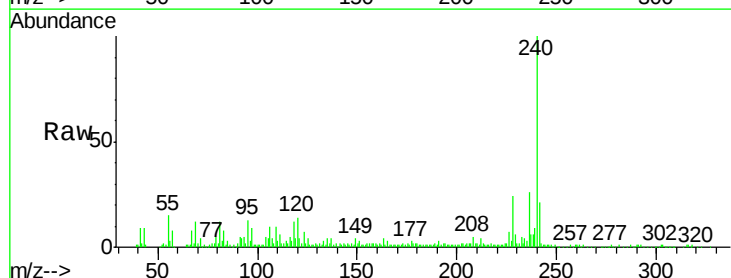
Tgt Ion:240 Resp: 107976

Ion Ratio Lower Upper

240 100

120 14.4 7.1 10.7#

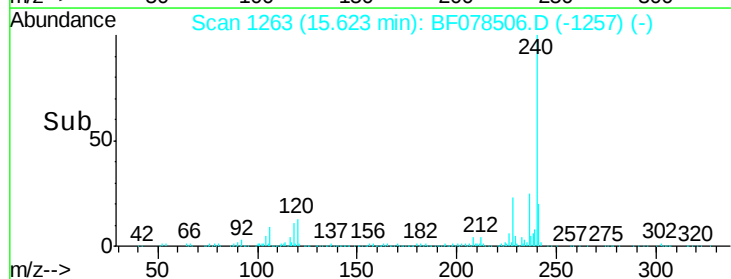
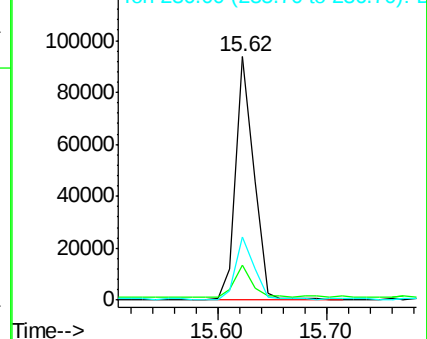
236 25.8 21.4 32.2

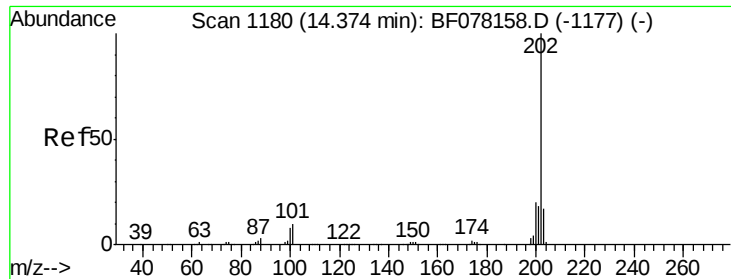


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 11.37 ng

RT: 14.13 min Scan# 1132

Delta R.T. 0.00 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

Instrument :

BNA_F

ClientSampleId :

HS-SB05B

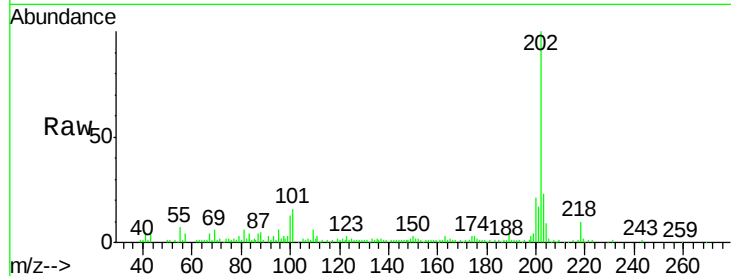
Tgt Ion:202 Resp: 77070

Ion Ratio Lower Upper

202 100

200 20.7 16.3 24.5

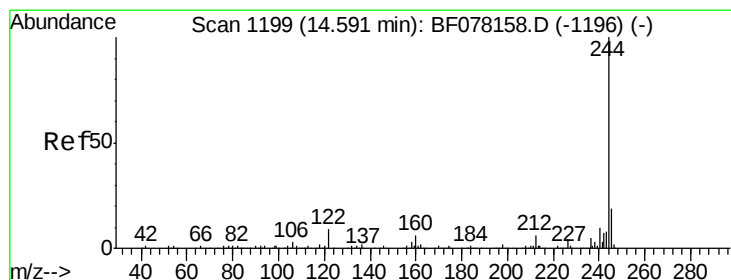
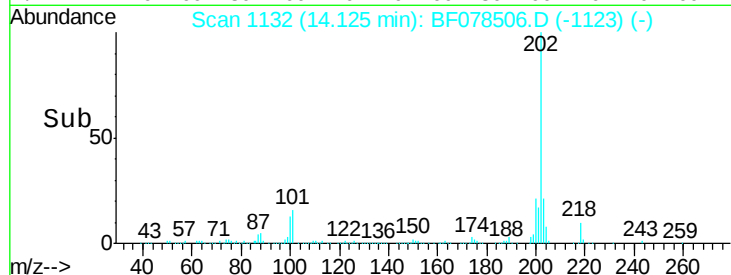
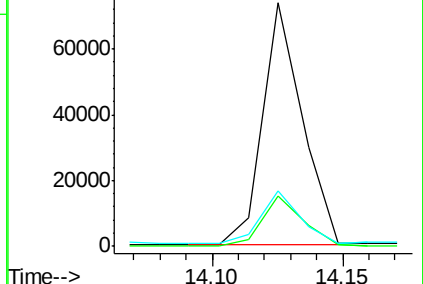
203 22.6 13.8 20.6#



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: 13.13 ng

RT: 14.35 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

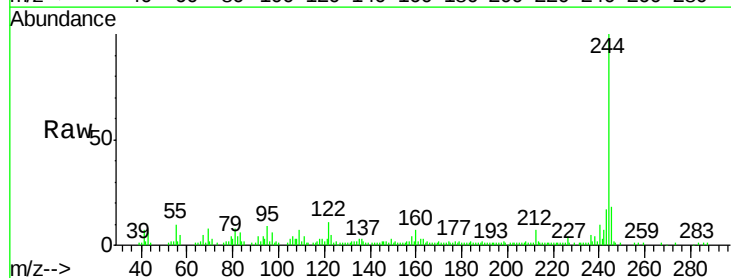
Tgt Ion:244 Resp: 62756

Ion Ratio Lower Upper

244 100

212 6.6 5.0 7.4

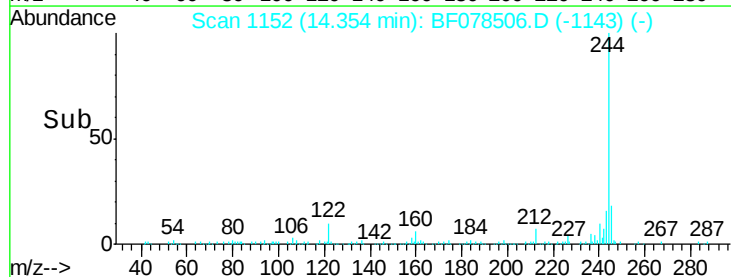
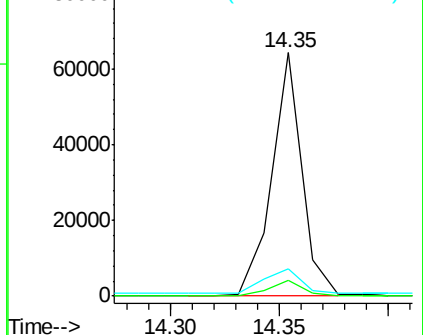
122 11.4 7.1 10.7#

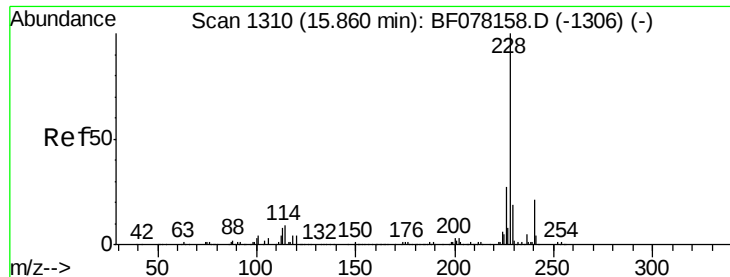


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.67 ng

RT: 15.61 min Scan# 1262

Delta R.T. -0.03 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

Instrument :

BNA_F

ClientSampleId :

HS-SB05B

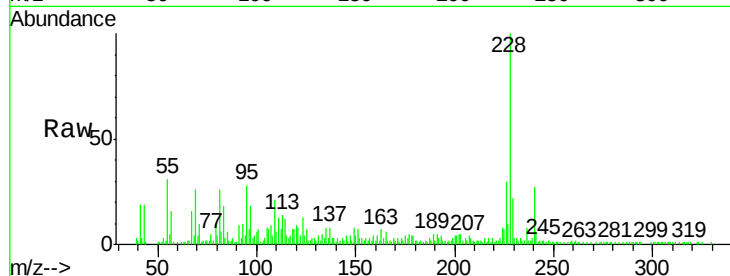
Tgt Ion:228 Resp: 55712

Ion Ratio Lower Upper

228 100

226 29.9 21.3 31.9

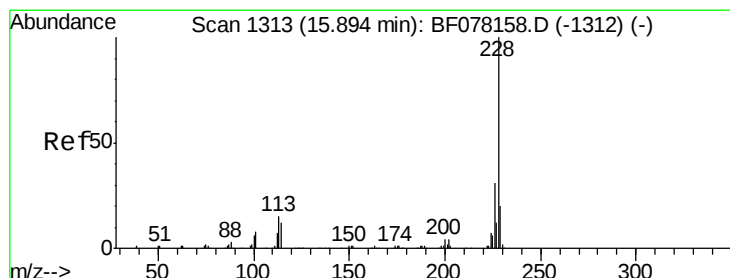
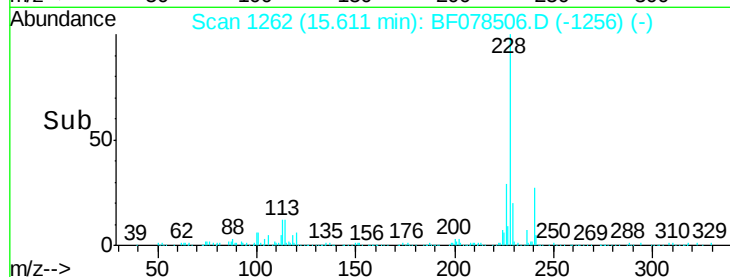
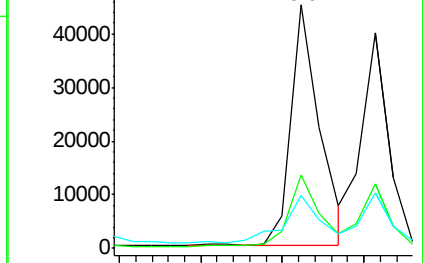
229 21.9 15.4 23.2



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: 7.32 ng m

RT: 15.66 min Scan# 1266

Delta R.T. -0.03 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

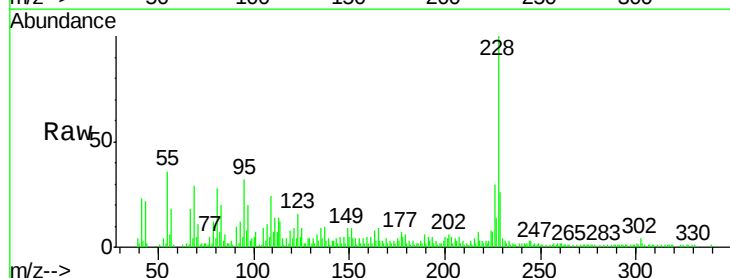
Tgt Ion:228 Resp: 44160

Ion Ratio Lower Upper

228 100

226 30.1 24.2 36.4

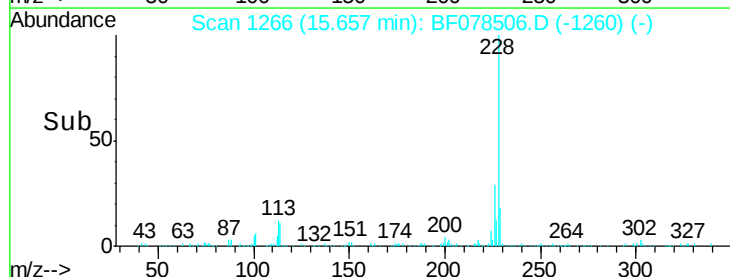
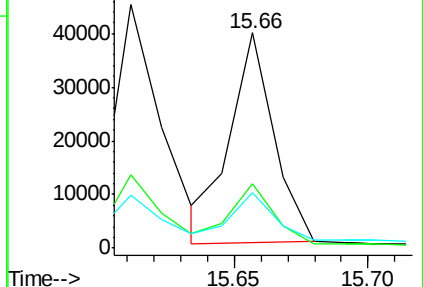
229 25.6 15.8 23.8#

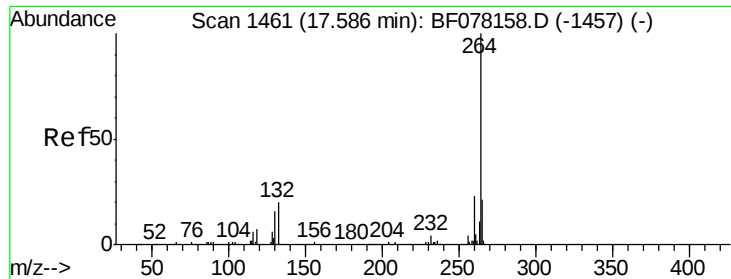


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

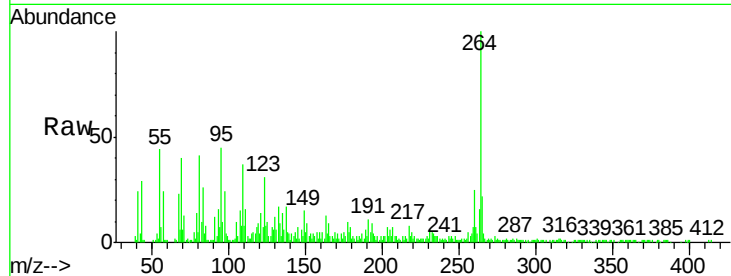




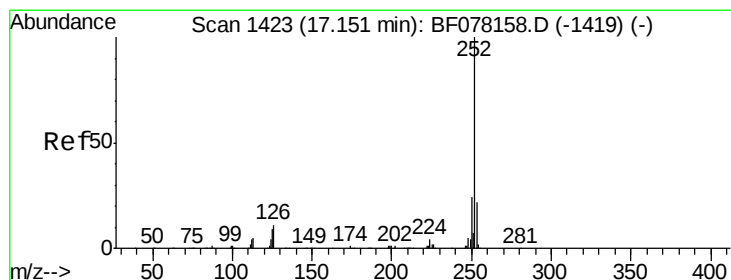
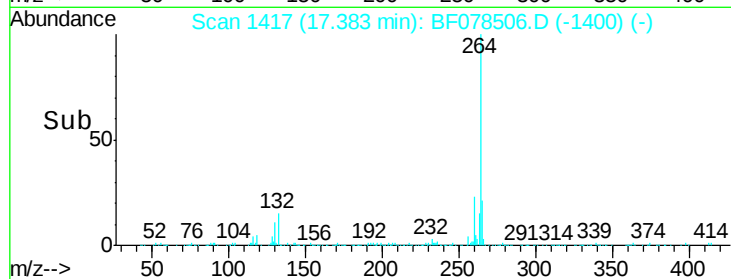
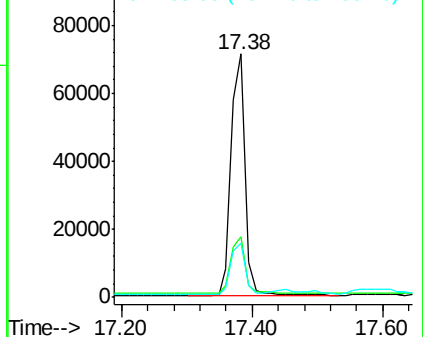
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.38 min Scan# 1417
Delta R.T. -0.10 min
Lab File: BF078506.D
Acq: 14 Apr 2015 18:33

Instrument :
BNA_F
ClientSampleId :
HS-SB05B

Tgt Ion: 264 Resp: 105593
Ion Ratio Lower Upper
264 100
260 25.0 18.6 27.8
265 22.5 17.0 25.6

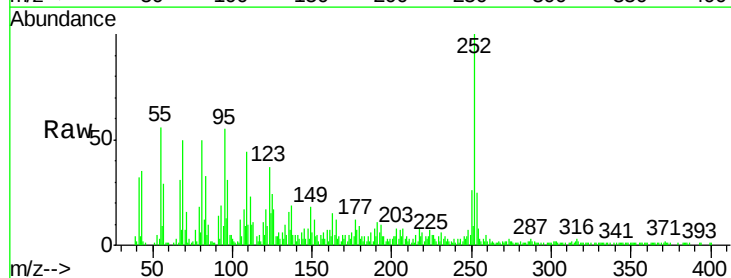


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

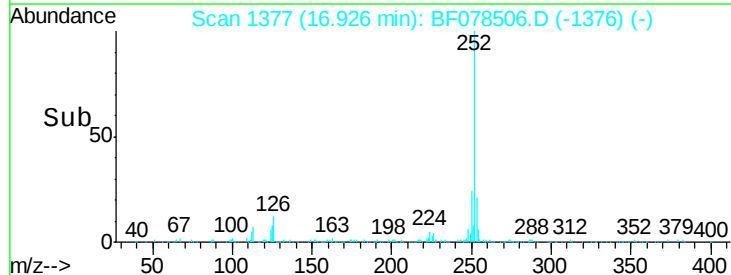
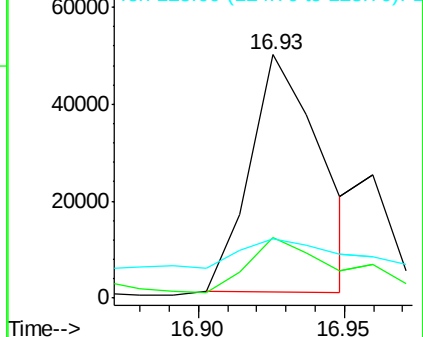


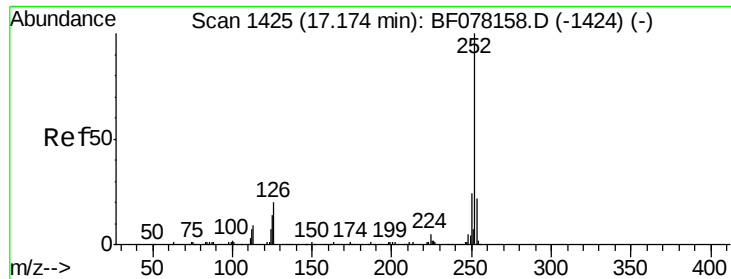
#87
Benzo(b)fluoranthene
Concen: 12.77 ng m
RT: 16.93 min Scan# 1377
Delta R.T. -0.09 min
Lab File: BF078506.D
Acq: 14 Apr 2015 18:33

Tgt Ion: 252 Resp: 83310
Ion Ratio Lower Upper
252 100
253 24.8 17.2 25.8
125 24.5 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: 3.83 ng m

RT: 16.96 min Scan# 1380

Delta R.T. -0.09 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

Instrument :

BNA_F

ClientSampleId :

HS-SB05B

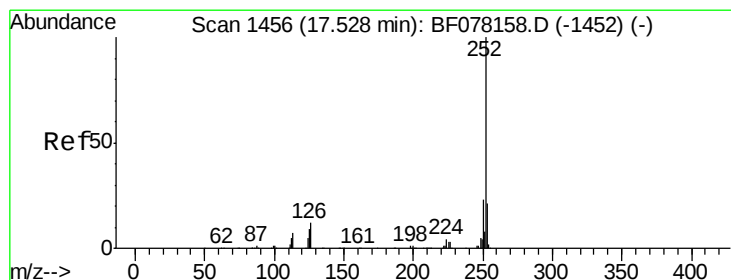
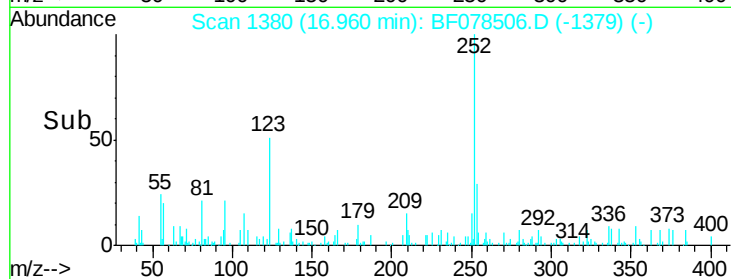
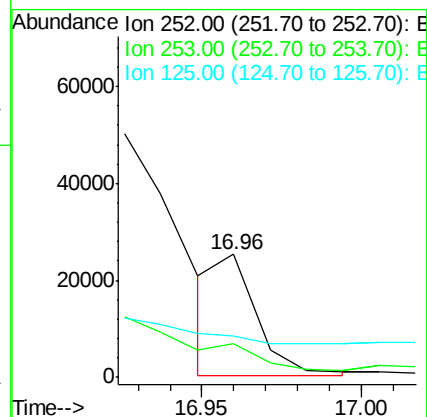
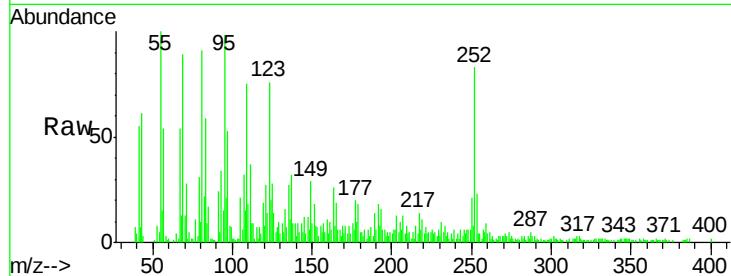
Tgt Ion:252 Resp: 22187

Ion Ratio Lower Upper

252 100

253 27.8 17.5 26.3#

125 33.5 11.6 17.4#



#89

Benzo(a)pyrene

Concen: 11.33 ng

RT: 17.31 min Scan# 1411

Delta R.T. -0.10 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

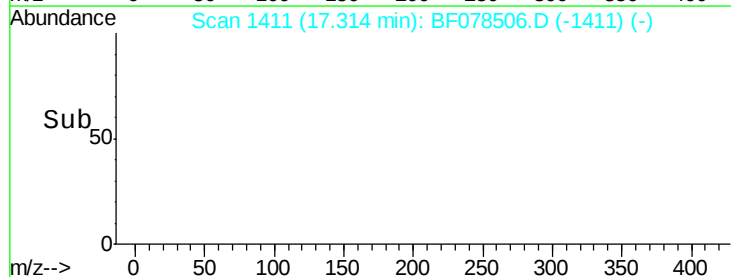
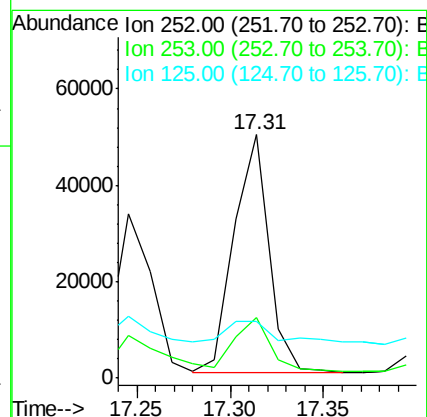
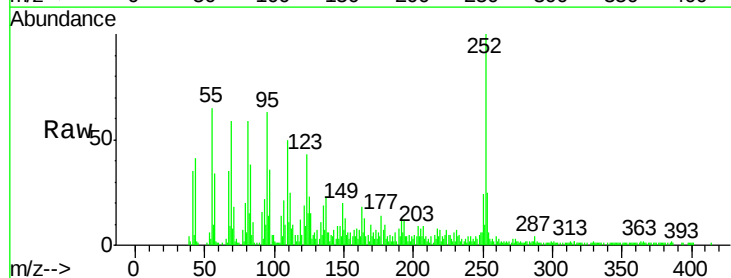
Tgt Ion:252 Resp: 64539

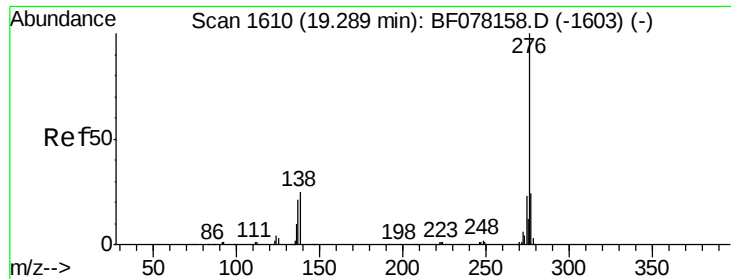
Ion Ratio Lower Upper

252 100

253 24.8 16.8 25.2

125 23.1 7.4 11.0#





#91

Benzo(g,h,i)perylene

Concen: 10.49 ng m

RT: 18.98 min Scan# 1557

Delta R.T. -0.17 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

Instrument :

BNA_F

ClientSampleId :

HS-SB05B

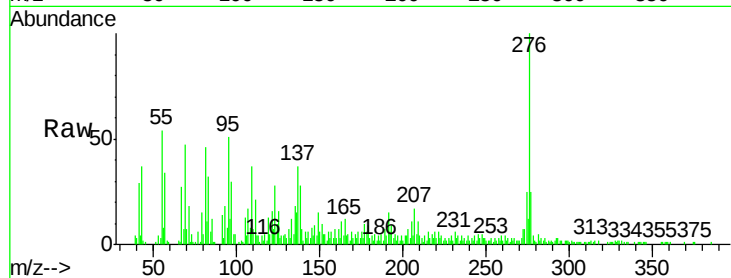
Tgt Ion: 276 Resp: 59993

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.4

138 28.1 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

