

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
 Data File : BF078572.D
 Acq On : 16 Apr 2015 18:23
 Operator : TP/IZ
 Sample : G1891-06DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-82S

Quant Time: Apr 17 01:22:39 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 00:52:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	25782	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	116815	20.00	ng	0.00
38) Acenaphthene-d10	10.42	164	65026	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	138601	20.00	ng	0.00
75) Chrysene-d12	15.50	240	160709	20.00	ng	0.01
86) Perylene-d12	17.23	264	159643	20.00	ng	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.91	112	19618	12.55	ng	0.01
7) Phenol-d6	6.31	99	27449	14.01	ng	0.01
23) Nitrobenzene-d5	7.39	82	15926	8.26	ng	0.00
41) 2,4,6-Tribromophenol	11.39	330	8312	15.41	ng	0.00
44) 2-Fluorobiphenyl	9.62	172	37645	8.28	ng	0.00
78) Terphenyl-d14	14.23	244	50454	7.09	ng	0.00

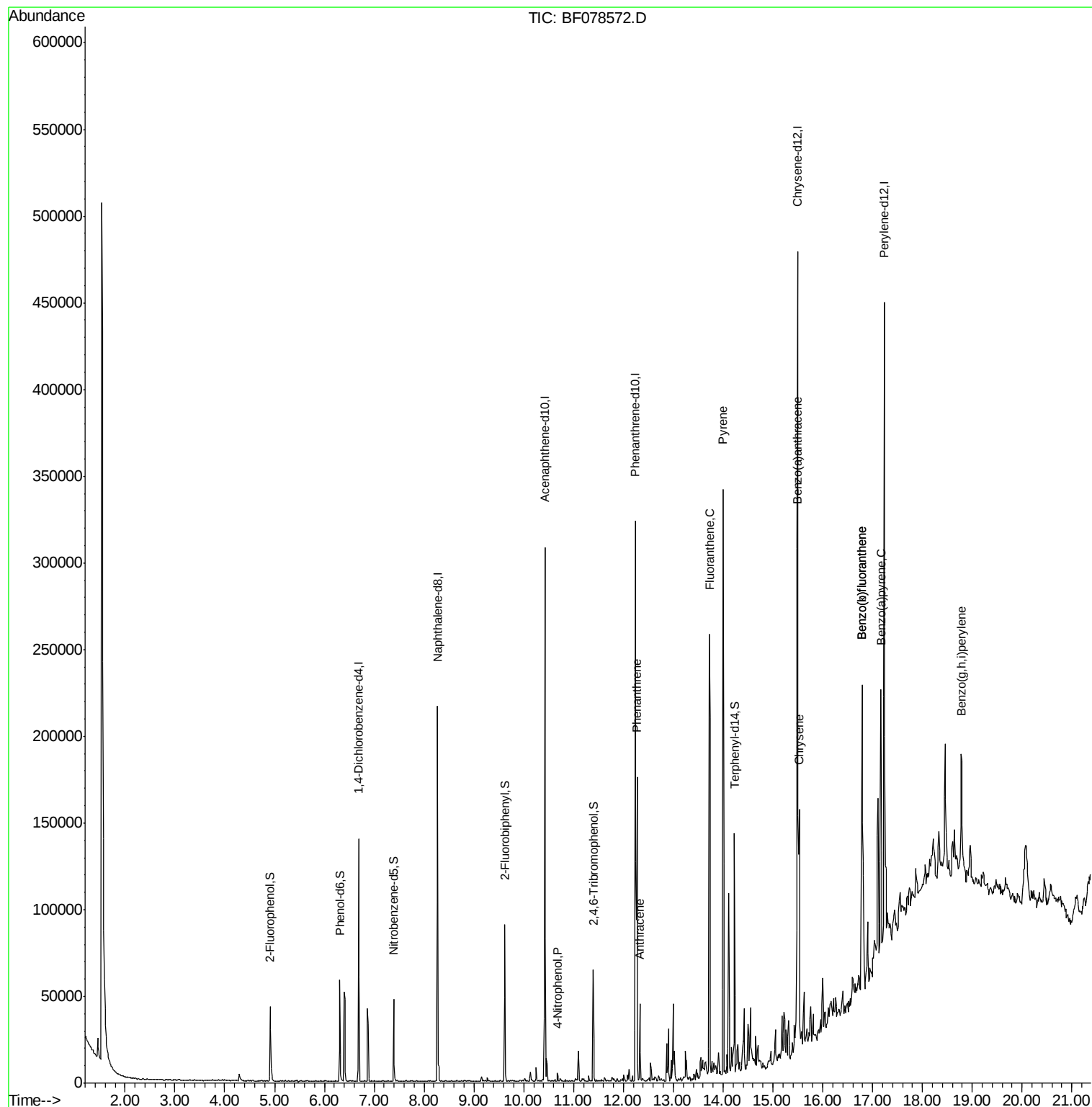
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
55) 4-Nitrophenol	10.67	139	1114	4.04	ng	# 18
70) Phenanthrene	12.27	178	84567	10.55	ng	99
71) Anthracene	12.33	178	21449	2.71	ng	98
74) Fluoranthene	13.73	202	149319	17.66	ng	99
77) Pyrene	14.00	202	137355	13.61	ng	# 93
80) Benzo(a)anthracene	15.49	228	83489	8.73	ng	98
82) Chrysene	15.53	228	63497	7.07	ng	96
87) Benzo(b)fluoranthene	16.79	252	126868	12.86	ng	# 94
88) Benzo(k)fluoranthene	16.79	252	127254	14.51	ng	95
89) Benzo(a)pyrene	17.17	252	69121	8.03	ng	# 92
91) Benzo(g,h,i)perylene	18.79	276	42398	4.91	ng	94

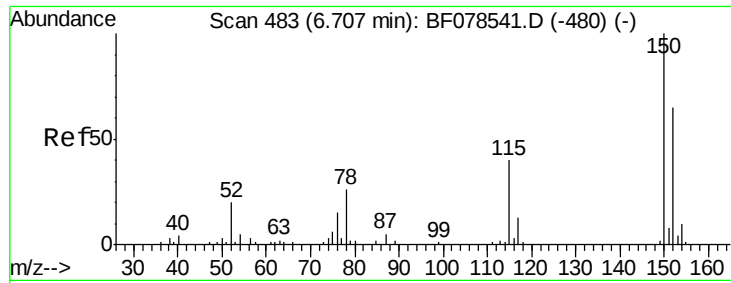
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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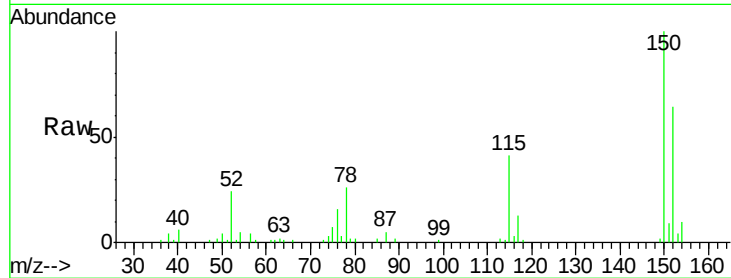




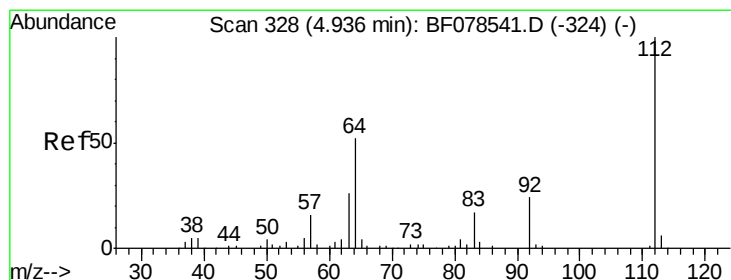
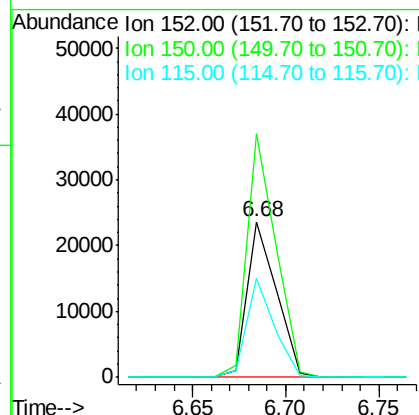
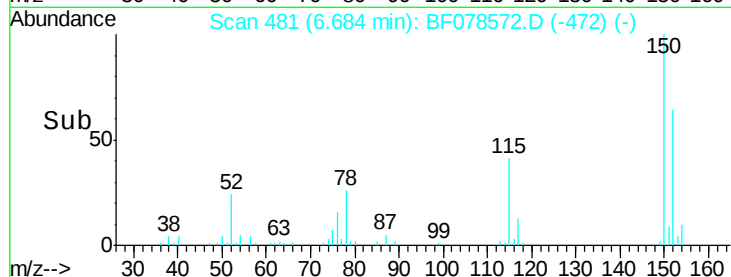
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.68 min Scan# 481
 Delta R.T. -0.00 min
 Lab File: BF078572.D
 Acq: 16 Apr 2015 18:23

Instrument :
 BNA_F
 ClientSampleId :
 SB-82S

Tgt Ion:152 Resp: 25782
 Ion Ratio Lower Upper
 152 100
 150 156.7 125.9 188.9
 115 64.0 52.7 79.1

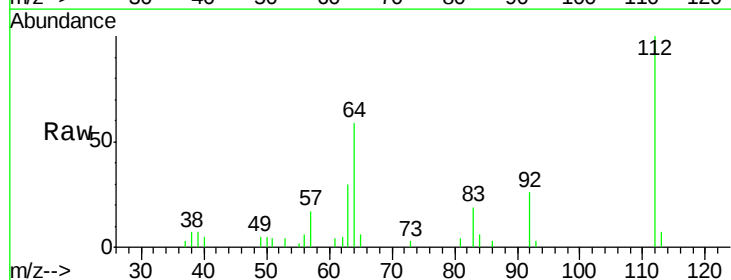


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

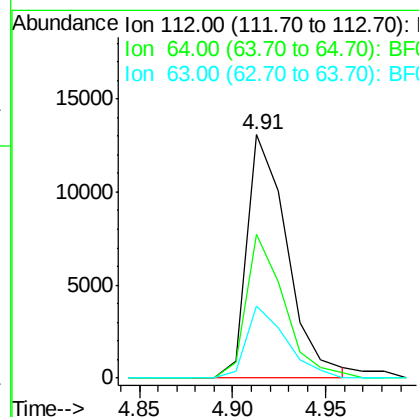
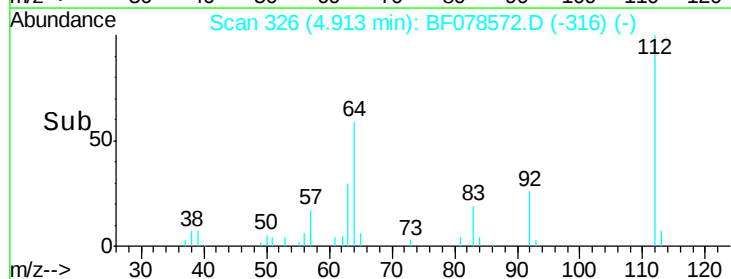


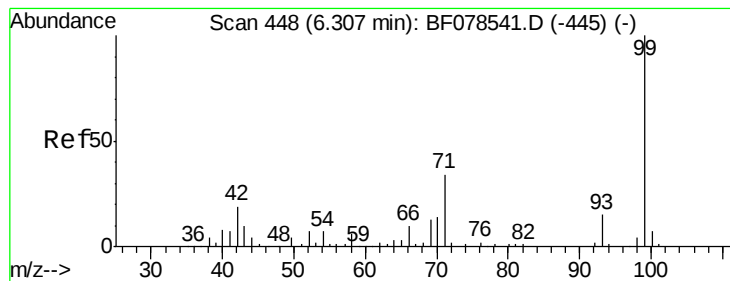
#5
 2-Fluorophenol
 Concen: 12.55 ng
 RT: 4.91 min Scan# 326
 Delta R.T. 0.01 min
 Lab File: BF078572.D
 Acq: 16 Apr 2015 18:23

Tgt Ion:112 Resp: 19618
 Ion Ratio Lower Upper
 112 100
 64 59.1 39.9 59.9
 63 29.7 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: 14.01 ng

RT: 6.31 min Scan# 448

Delta R.T. 0.01 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

Instrument :

BNA_F

ClientSampleId :

SB-82S

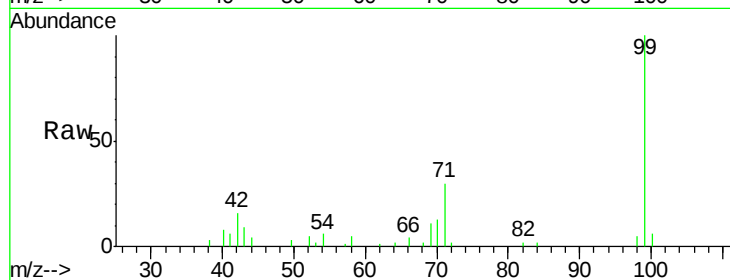
Tgt Ion: 99 Resp: 27449

Ion Ratio Lower Upper

99 100

42 16.4 14.8 22.2

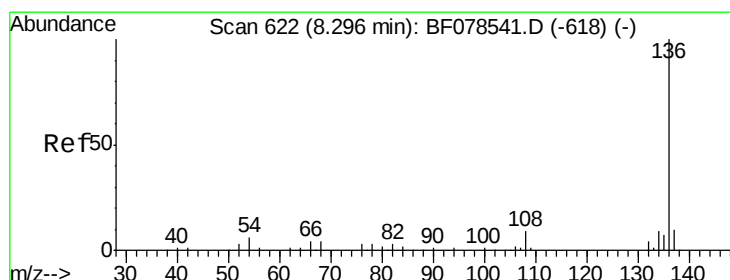
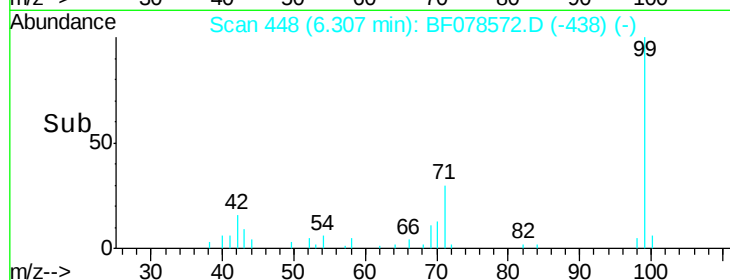
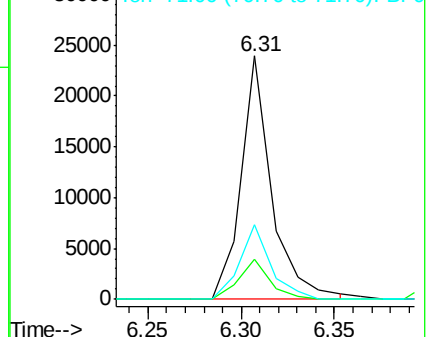
71 30.5 26.6 39.8



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: 8.27 min Scan# 620

Delta R.T. -0.00 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

Tgt Ion: 136 Resp: 116815

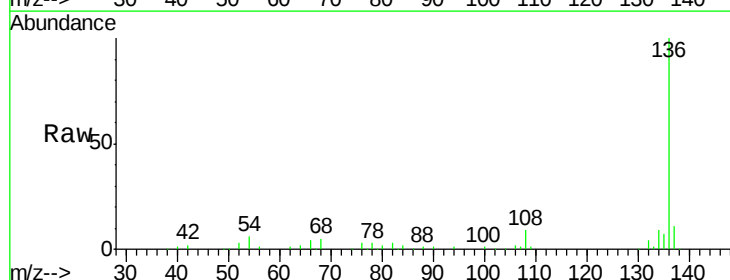
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.4

54 5.9 7.0 10.6#

68 4.7 5.4 8.2#

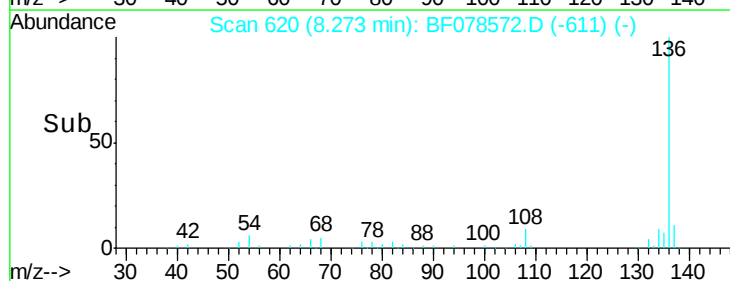
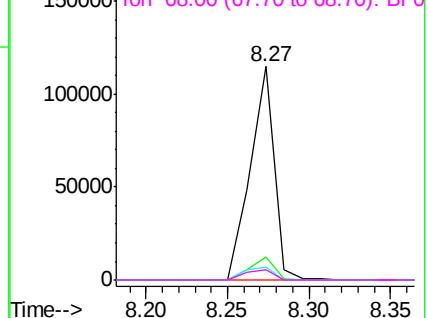


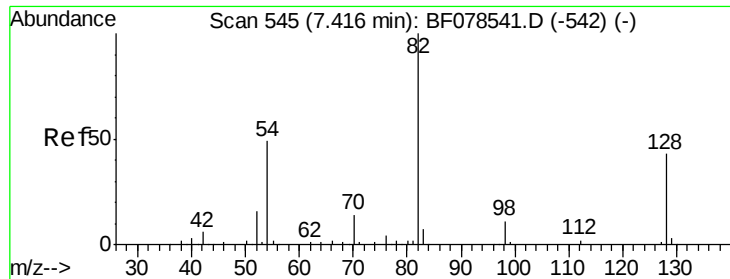
Abundance Ion 136.00 (135.70 to 136.70): E

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

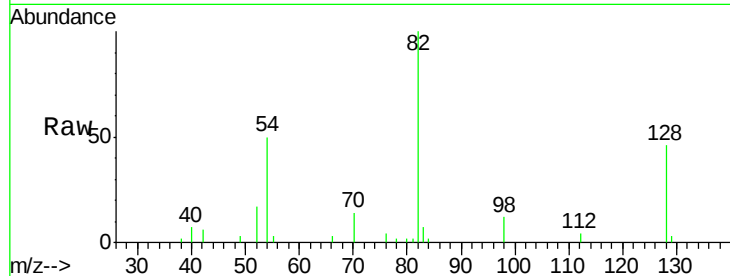




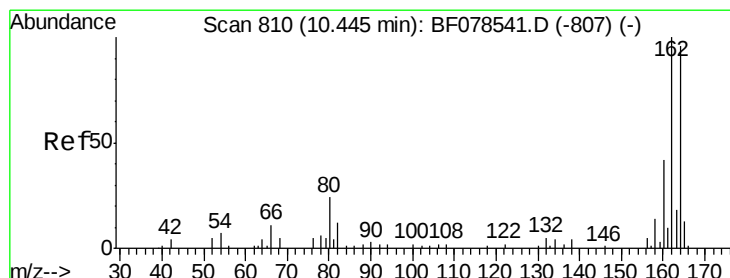
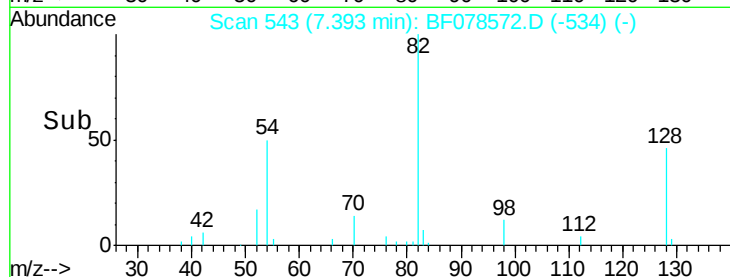
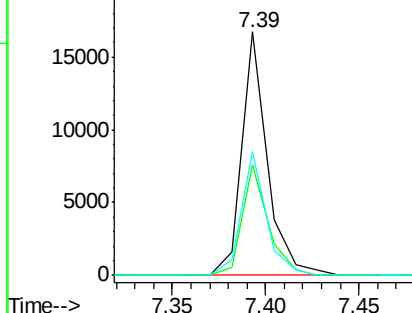
#23
Nitrobenzene-d5
Concen: 8.26 ng
RT: 7.39 min Scan# 543
Delta R.T. -0.00 min
Lab File: BF078572.D
Acq: 16 Apr 2015 18:23

Instrument :
BNA_F
ClientSampled :
SB-82S

Tgt Ion: 82 Resp: 15926
Ion Ratio Lower Upper
82 100
128 45.6 31.8 47.8
54 50.4 41.5 62.3

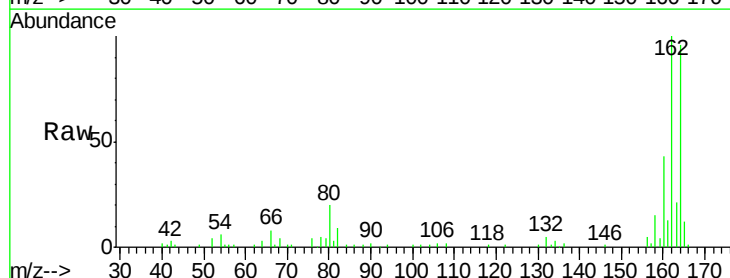


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

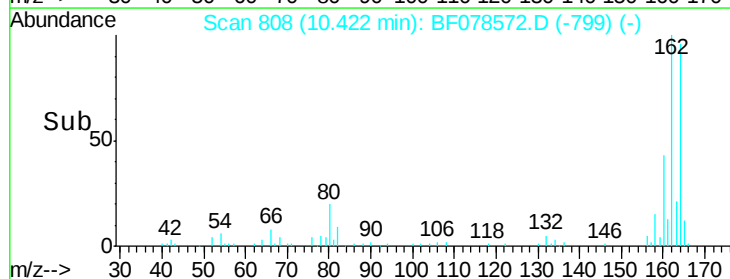
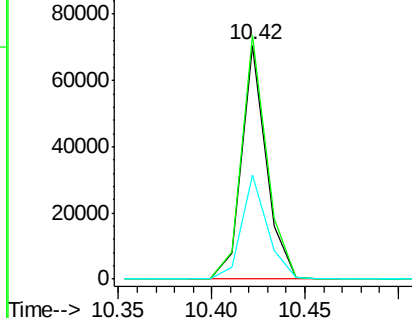


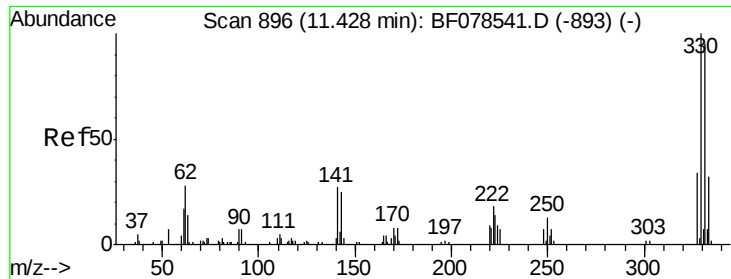
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.42 min Scan# 808
Delta R.T. -0.00 min
Lab File: BF078572.D
Acq: 16 Apr 2015 18:23

Tgt Ion: 164 Resp: 65026
Ion Ratio Lower Upper
164 100
162 104.1 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

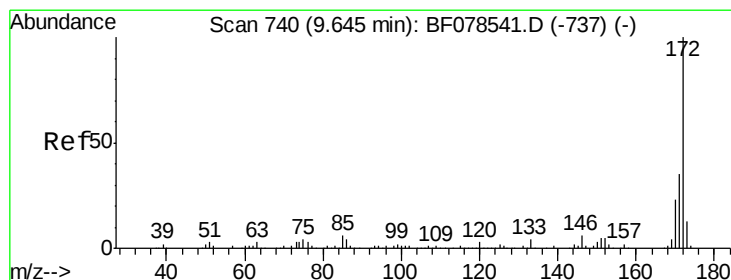
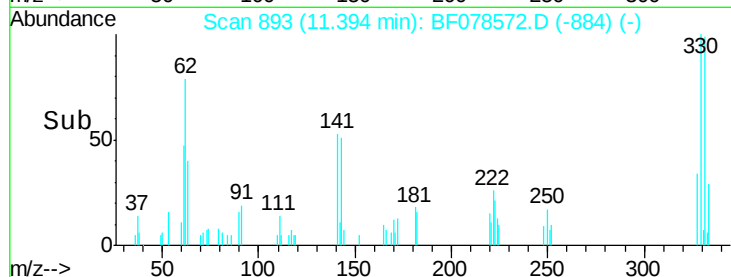
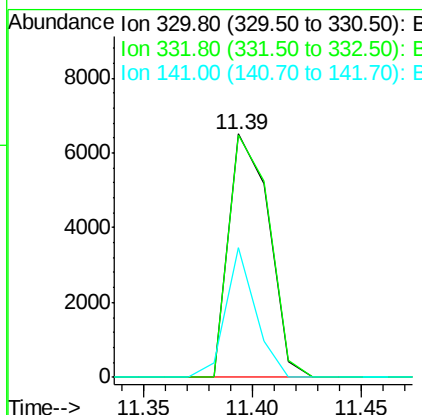
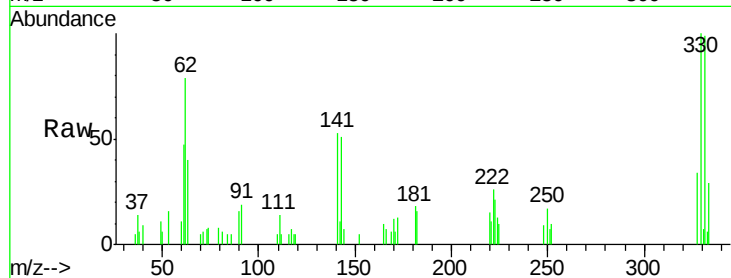




#41
 2,4,6-Tribromophenol
 Concen: 15.41 ng
 RT: 11.39 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: BF078572.D
 Acq: 16 Apr 2015 18:23

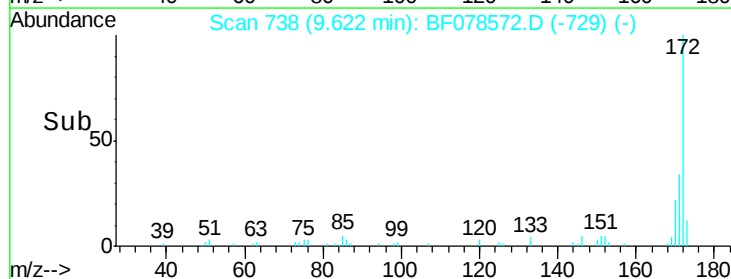
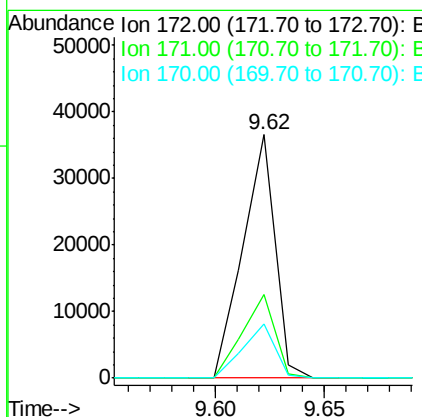
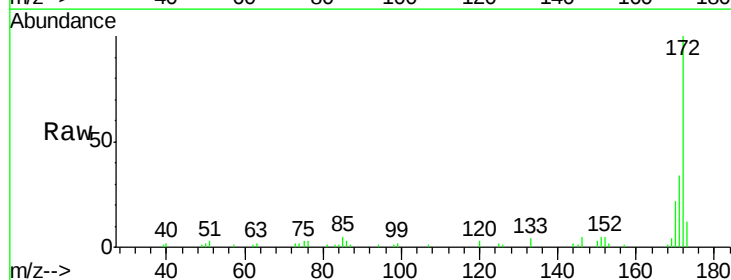
Instrument :
 BNA_F
 ClientSampled :
 SB-82S

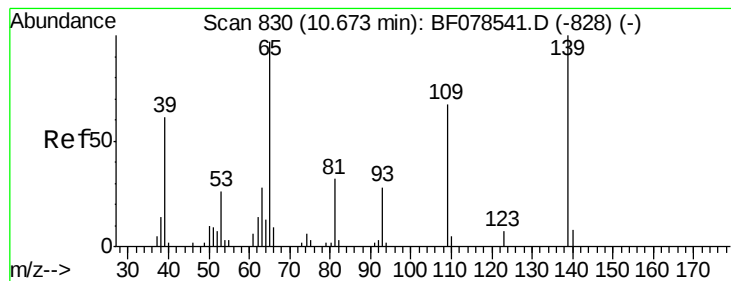
Tgt Ion:330 Resp: 8312
 Ion Ratio Lower Upper
 330 100
 332 100.3 78.6 117.8
 141 39.8 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 8.28 ng
 RT: 9.62 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BF078572.D
 Acq: 16 Apr 2015 18:23

Tgt Ion:172 Resp: 37645
 Ion Ratio Lower Upper
 172 100
 171 34.4 28.6 42.8
 170 22.3 18.5 27.7





#55

4-Nitrophenol

Concen: 4.04 ng

RT: 10.67 min Scan# 830

Delta R.T. 0.02 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

Instrument :

BNA_F

ClientSampleId :

SB-82S

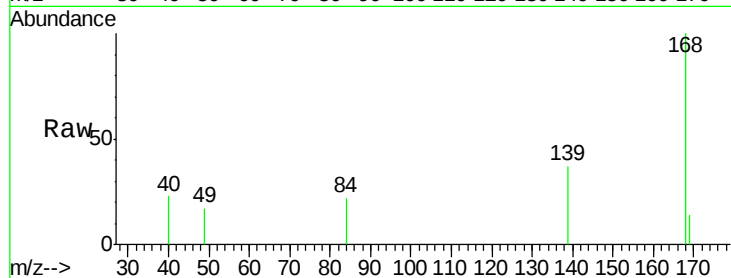
Tgt Ion:139 Resp: 1114

Ion Ratio Lower Upper

139 100

109 0.0 36.7 76.7#

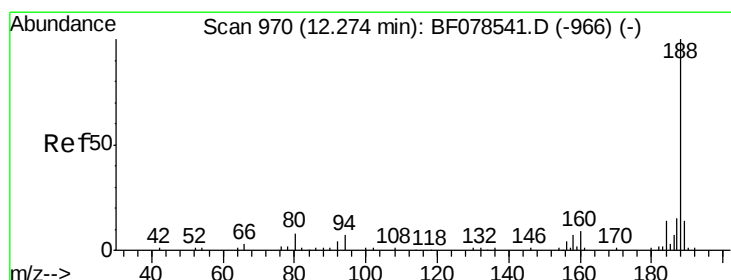
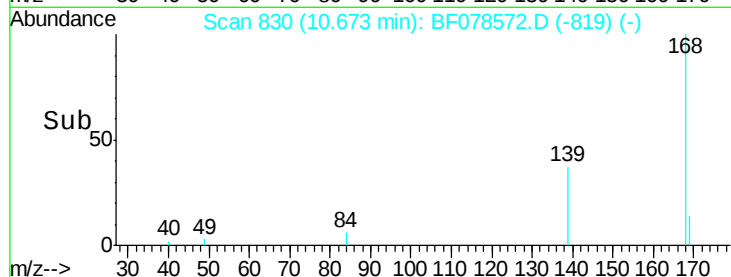
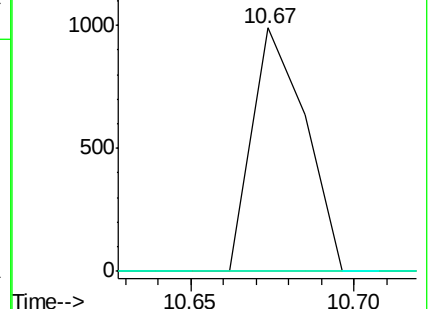
65 0.0 49.9 89.9#



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.24 min Scan# 967

Delta R.T. -0.00 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

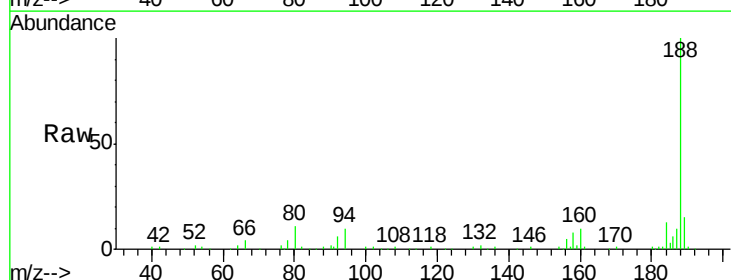
Tgt Ion:188 Resp: 138601

Ion Ratio Lower Upper

188 100

94 10.3 9.0 13.4

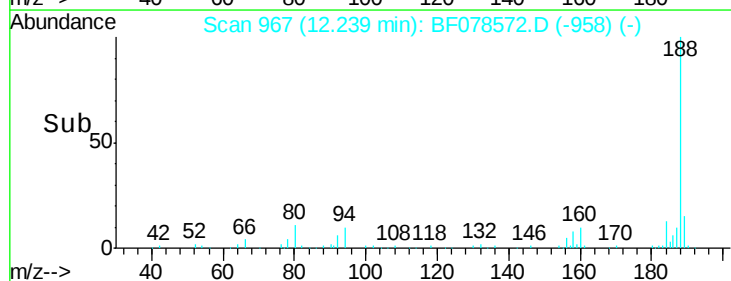
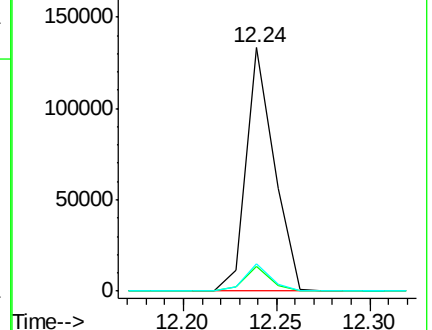
80 11.0 9.5 14.3

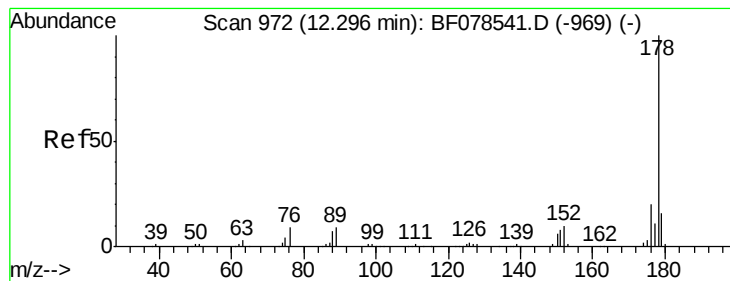


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 10.55 ng

RT: 12.27 min Scan# 970

Delta R.T. -0.00 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

Instrument :

BNA_F

ClientSampleId :

SB-82S

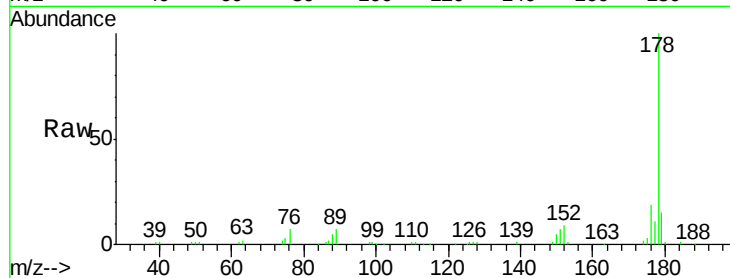
Tgt Ion:178 Resp: 84567

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

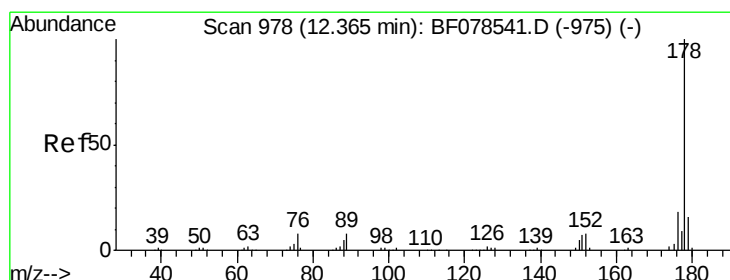
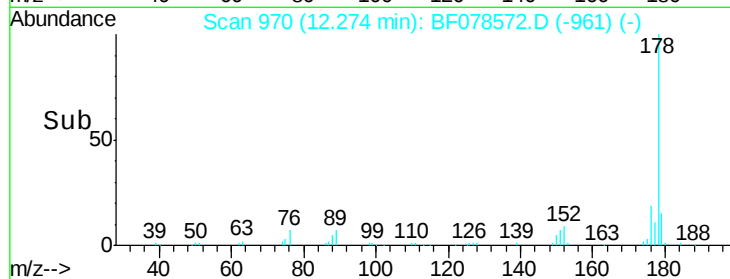
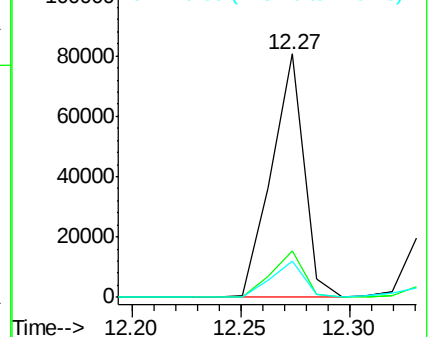
179 14.8 12.2 18.2



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



#71

Anthracene

Concen: 2.71 ng

RT: 12.33 min Scan# 975

Delta R.T. -0.00 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

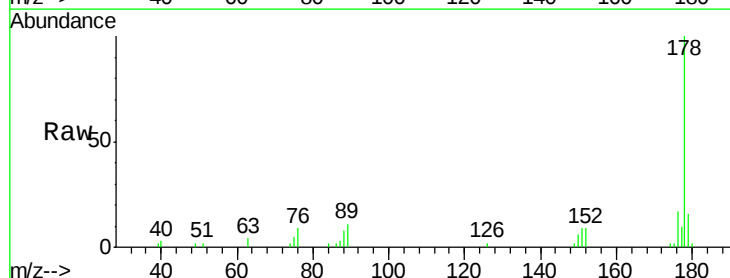
Tgt Ion:178 Resp: 21449

Ion Ratio Lower Upper

178 100

176 16.8 14.8 22.2

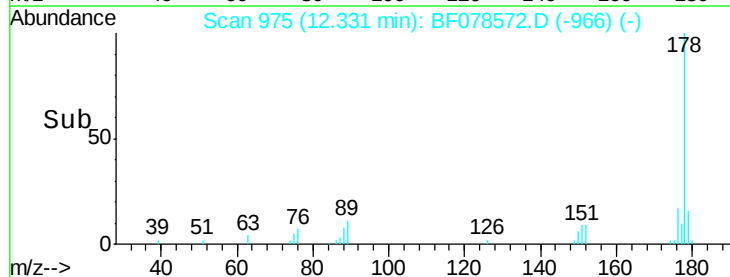
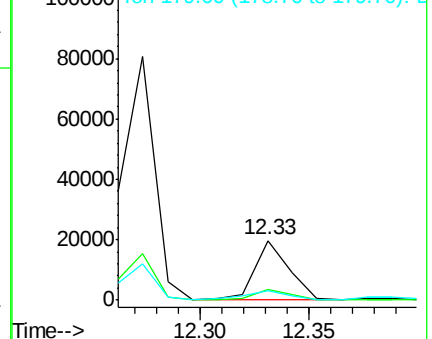
179 15.5 12.4 18.6

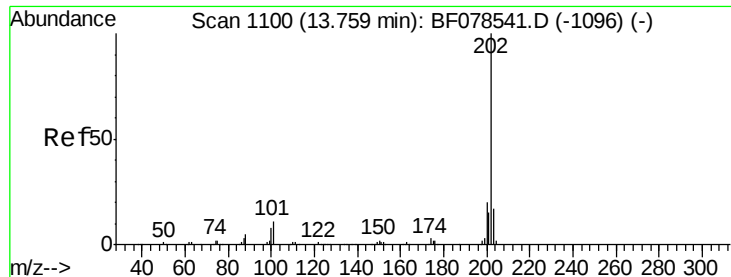


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 17.66 ng

RT: 13.73 min Scan# 1097

Delta R.T. -0.00 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

Instrument :

BNA_F

ClientSampled :

SB-82S

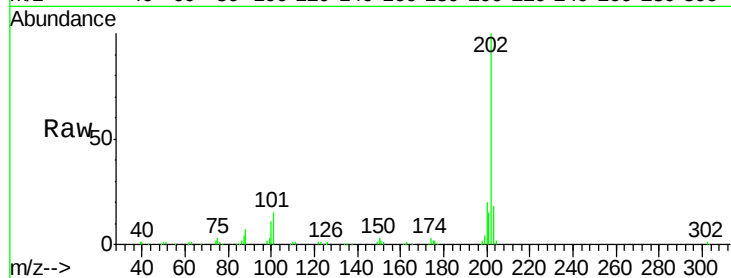
Tgt Ion:202 Resp: 149319

Ion Ratio Lower Upper

202 100

101 15.0 0.0 35.2

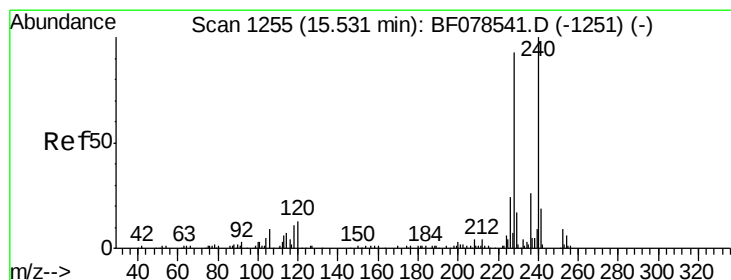
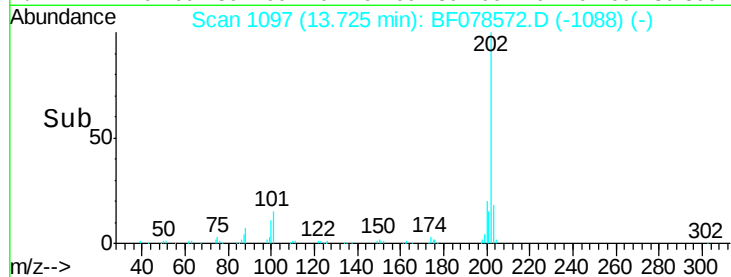
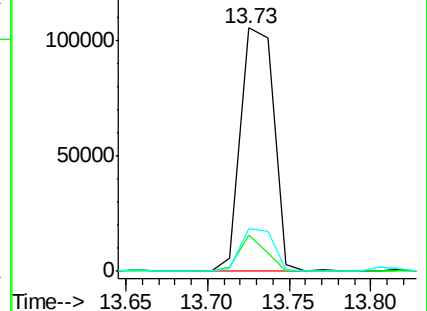
203 17.6 0.0 38.5



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: 15.50 min Scan# 1252

Delta R.T. 0.01 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

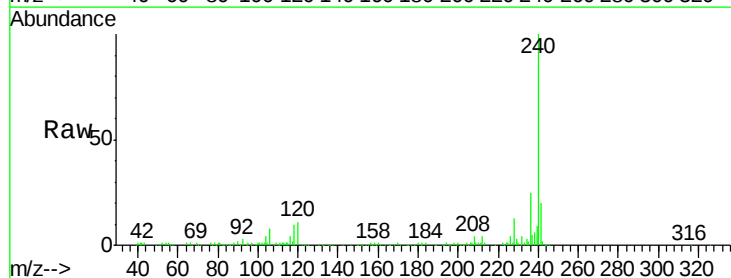
Tgt Ion:240 Resp: 160709

Ion Ratio Lower Upper

240 100

120 11.2 7.1 10.7#

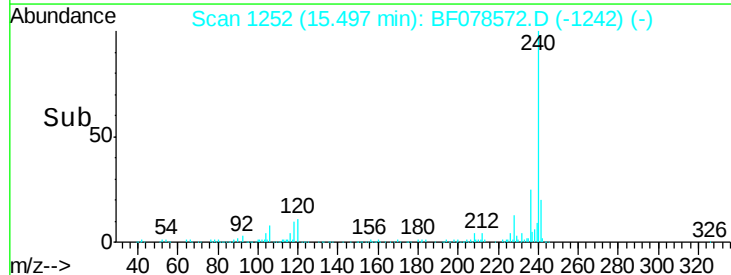
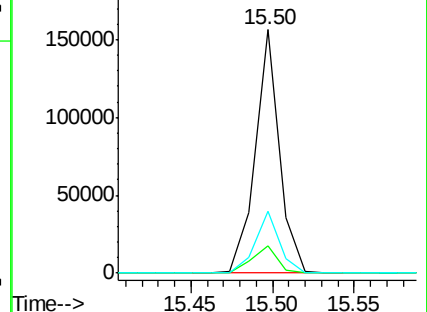
236 25.5 21.4 32.2

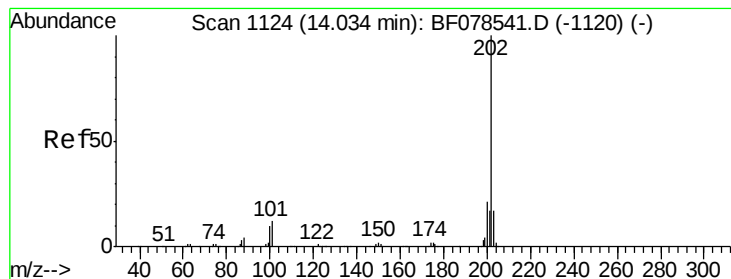


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 13.61 ng

RT: 14.00 min Scan# 1121

Delta R.T. -0.00 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

Instrument :

BNA_F

ClientSampleId :

SB-82S

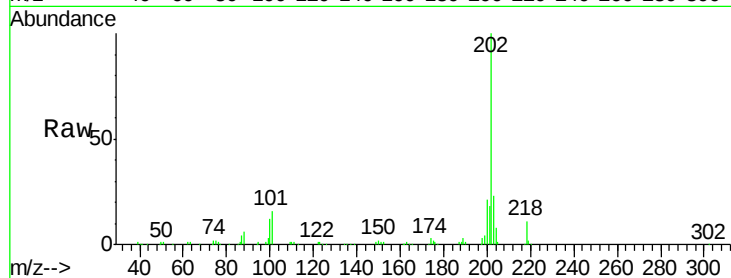
Tgt Ion:202 Resp: 137355

Ion Ratio Lower Upper

202 100

200 21.2 16.3 24.5

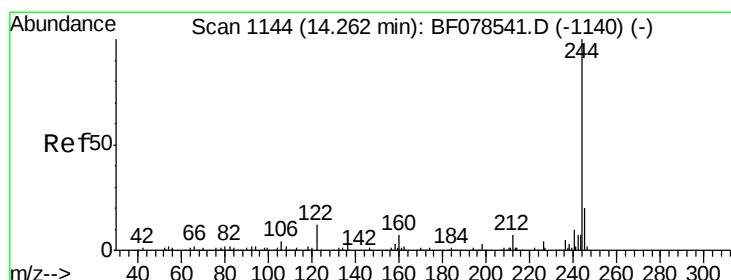
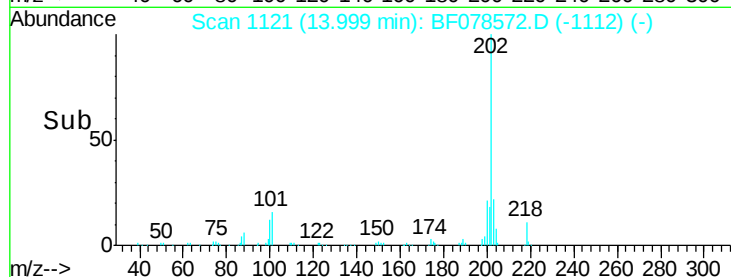
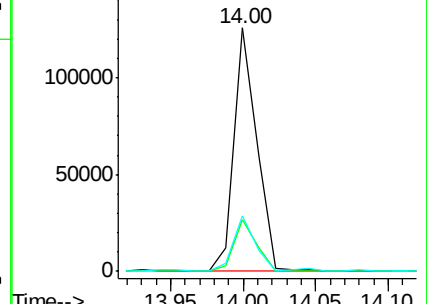
203 22.7 13.8 20.6#



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: 7.09 ng

RT: 14.23 min Scan# 1141

Delta R.T. 0.00 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

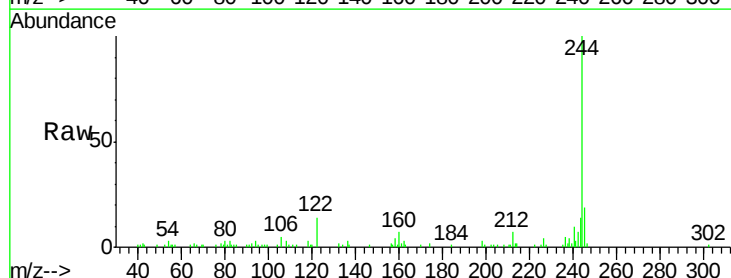
Tgt Ion:244 Resp: 50454

Ion Ratio Lower Upper

244 100

212 6.8 5.0 7.4

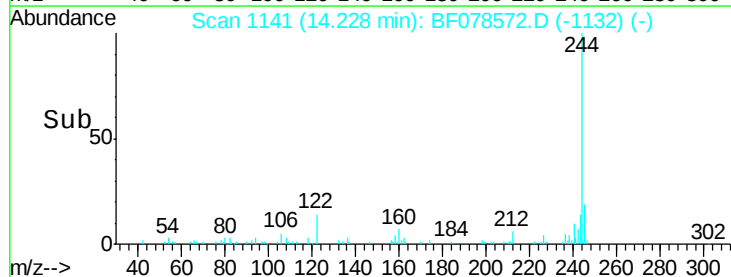
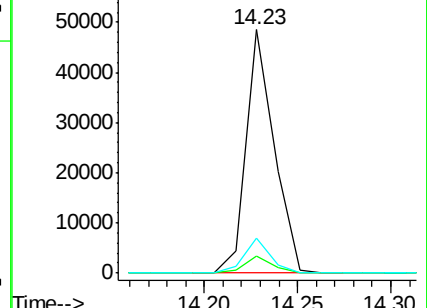
122 14.2 7.1 10.7#

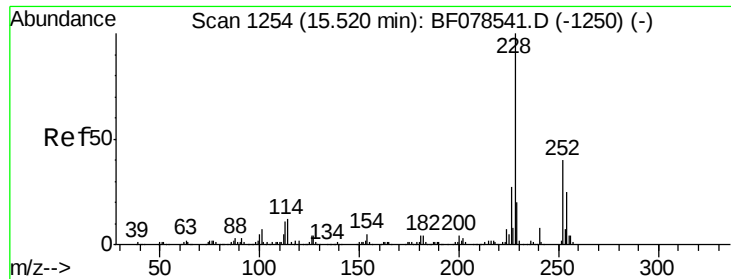


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.73 ng

RT: 15.49 min Scan# 1251

Delta R.T. 0.01 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

Instrument :

BNA_F

ClientSampleId :

SB-82S

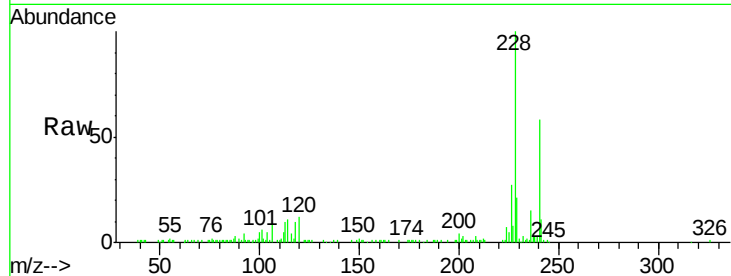
Tgt Ion:228 Resp: 83489

Ion Ratio Lower Upper

228 100

226 27.1 21.3 31.9

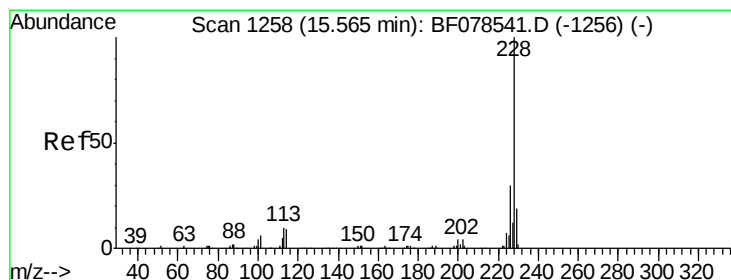
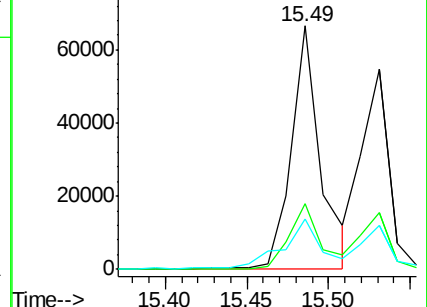
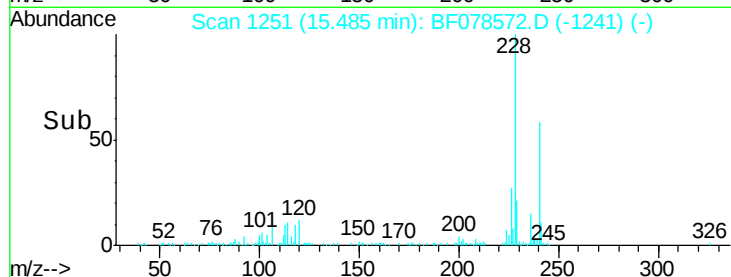
229 20.8 15.4 23.2



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: 7.07 ng

RT: 15.53 min Scan# 1255

Delta R.T. 0.01 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

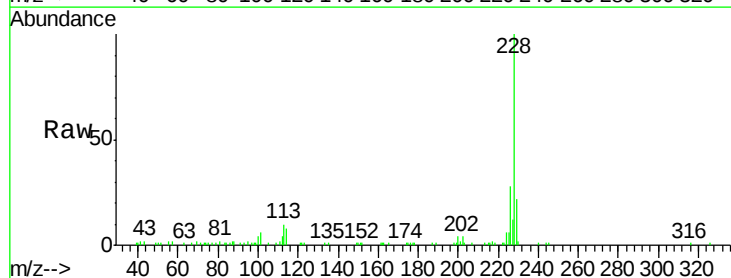
Tgt Ion:228 Resp: 63497

Ion Ratio Lower Upper

228 100

226 28.5 24.2 36.4

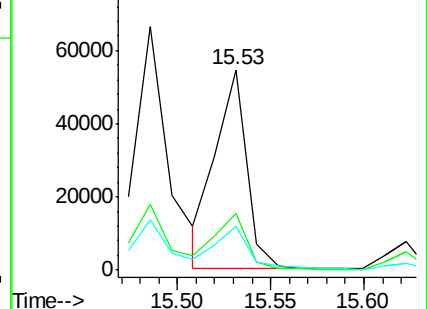
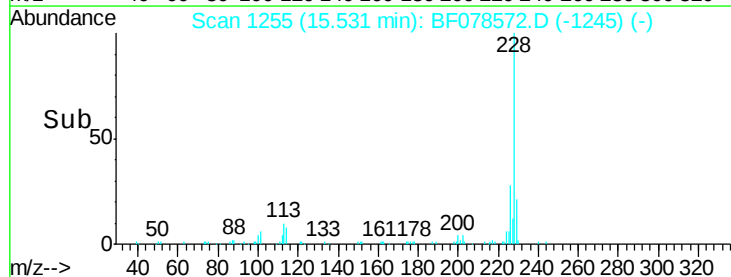
229 21.9 15.8 23.8

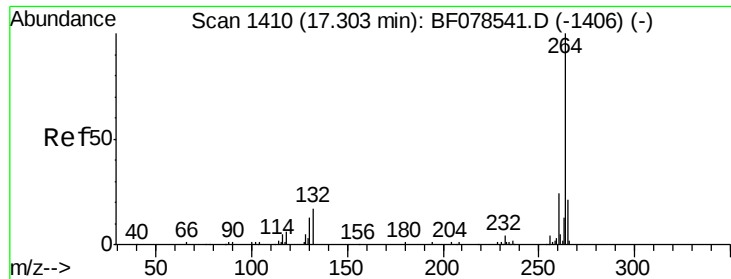


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

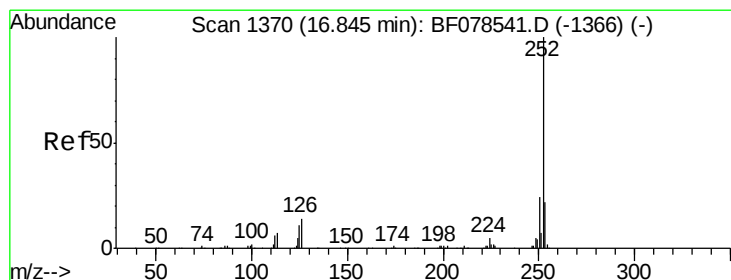
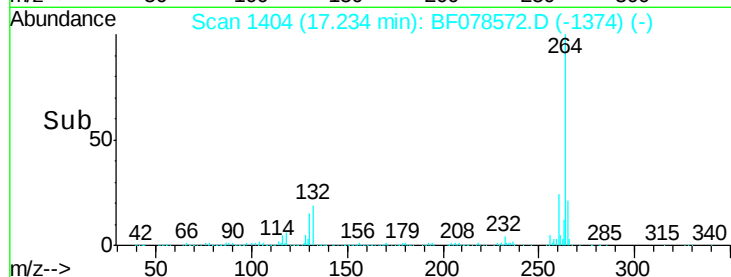
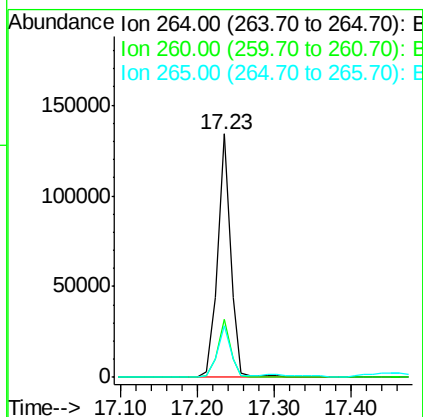
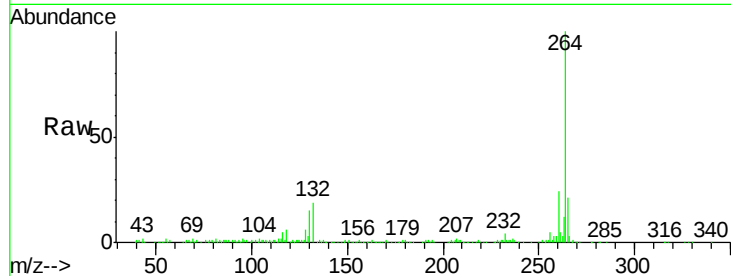




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.23 min Scan# 1404
Delta R.T. 0.05 min
Lab File: BF078572.D
Acq: 16 Apr 2015 18:23

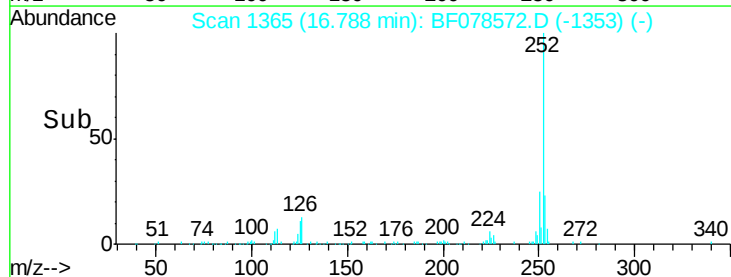
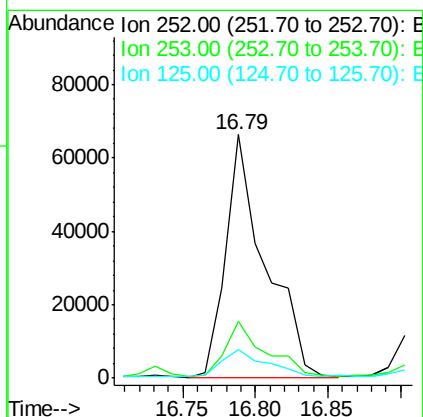
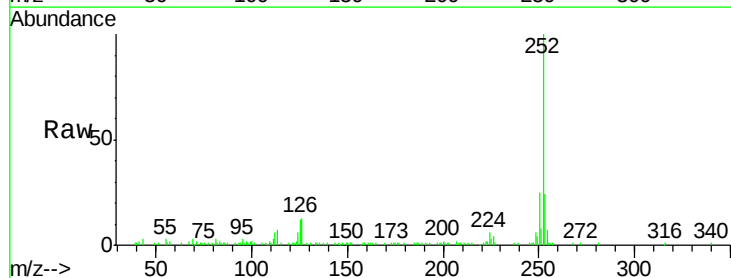
Instrument :
BNA_F
ClientSampleId :
SB-82S

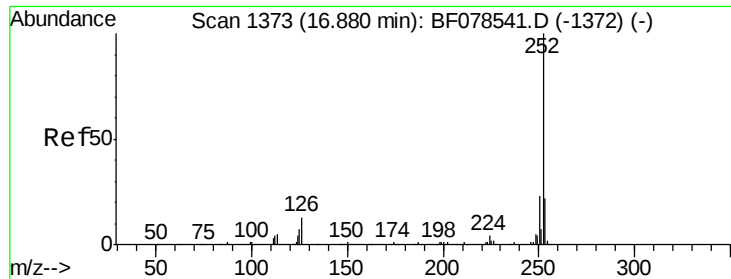
Tgt Ion:264 Resp: 159643
Ion Ratio Lower Upper
264 100
260 23.8 18.6 27.8
265 21.3 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 12.86 ng
RT: 16.79 min Scan# 1365
Delta R.T. 0.03 min
Lab File: BF078572.D
Acq: 16 Apr 2015 18:23

Tgt Ion:252 Resp: 126868
Ion Ratio Lower Upper
252 100
253 23.5 17.2 25.8
125 12.0 7.0 10.4#

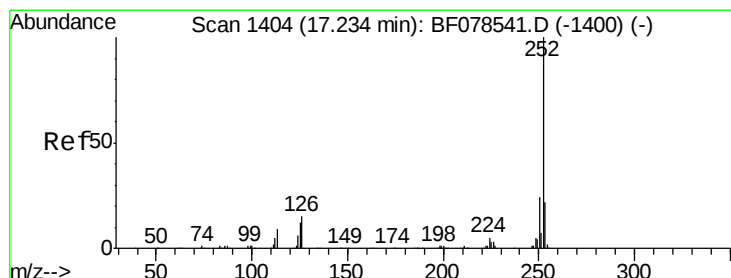
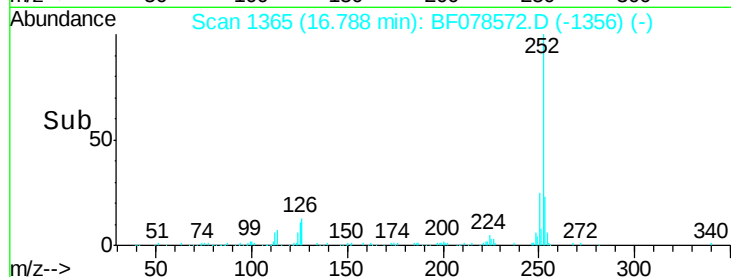
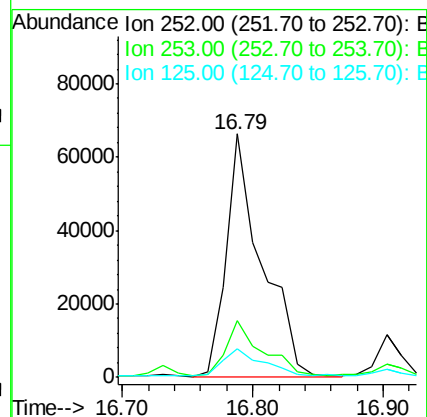
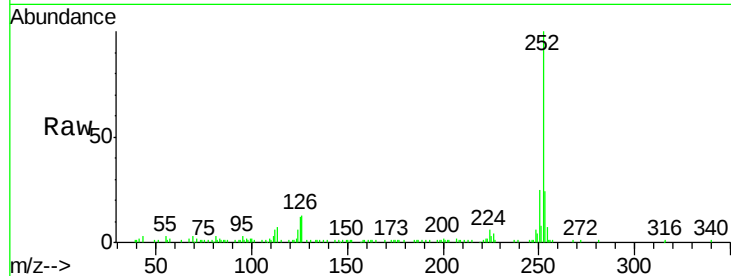




#88
Benzo(k)fluoranthene
Concen: 14.51 ng
RT: 16.79 min Scan# 1365
Delta R.T. -0.00 min
Lab File: BF078572.D
Acq: 16 Apr 2015 18:23

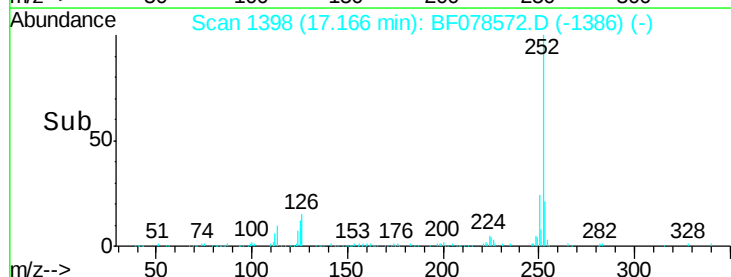
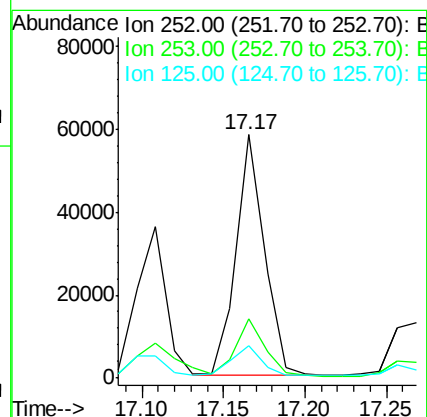
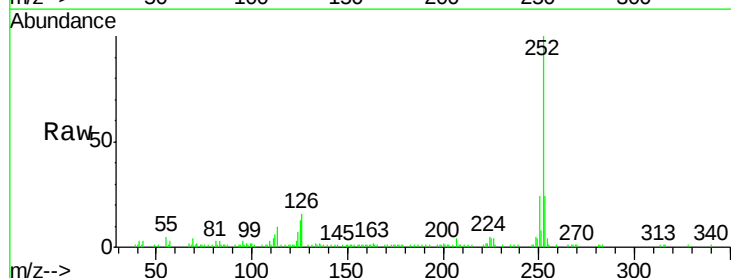
Instrument :
BNA_F
ClientSampleId :
SB-82S

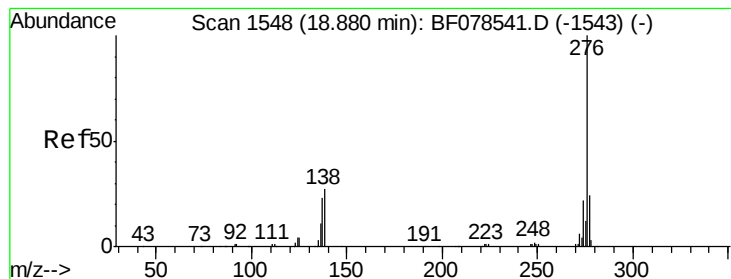
Tgt Ion:252 Resp: 127254
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 12.0 11.6 17.4



#89
Benzo(a)pyrene
Concen: 8.03 ng
RT: 17.17 min Scan# 1398
Delta R.T. 0.03 min
Lab File: BF078572.D
Acq: 16 Apr 2015 18:23

Tgt Ion:252 Resp: 69121
Ion Ratio Lower Upper
252 100
253 24.3 16.8 25.2
125 13.3 7.4 11.0#





#91

Benzo(g,h,i)perylene

Concen: 4.91 ng

RT: 18.79 min Scan# 1540

Delta R.T. 0.08 min

Lab File: BF078572.D

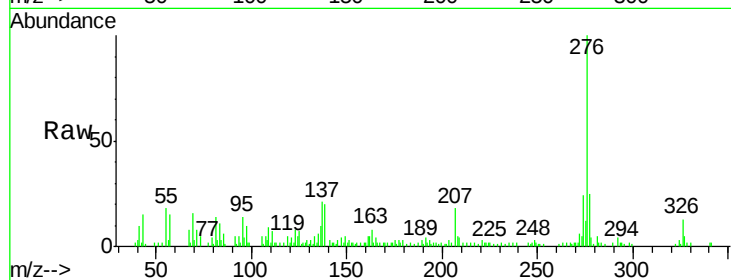
Acq: 16 Apr 2015 18:23

Instrument :

BNA_F

ClientSampleId :

SB-82S



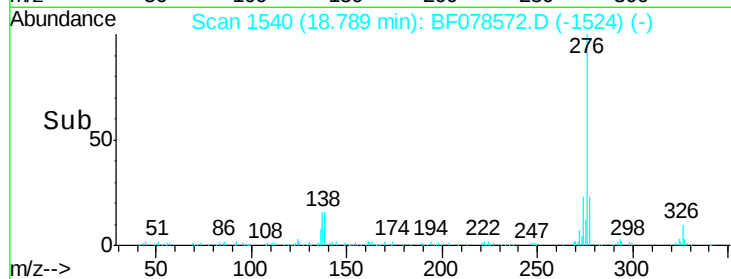
Tgt Ion: 276 Resp: 42398

Ion Ratio Lower Upper

276 100

277 25.0 19.0 28.4

138 20.3 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

