

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
 Data File : BF078482.D
 Acq On : 14 Apr 2015 3:42
 Operator : TP/IZ
 Sample : G1841-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-1

Quant Time: Apr 14 04:36:31 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 14 04:24:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	39541	20.00	ng	0.00
21) Naphthalene-d8	8.40	136	166692	20.00	ng	-0.01
38) Acenaphthene-d10	10.56	164	88041	20.00	ng	-0.01
63) Phenanthrene-d10	12.39	188	172871	20.00	ng	0.00
75) Chrysene-d12	15.63	240	190824	20.00	ng	-0.01
86) Perylene-d12	17.27	264	188845	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.08	112	59187	24.68	ng	0.01
7) Phenol-d6	6.42	99	114497	38.10	ng	-0.01
23) Nitrobenzene-d5	7.53	82	65307	23.75	ng	0.00
41) 2,4,6-Tribromophenol	11.54	330	46424	63.58	ng	0.00
44) 2-Fluorobiphenyl	9.75	172	206712	33.56	ng	-0.01
78) Terphenyl-d14	14.38	244	311394	36.87	ng	0.00

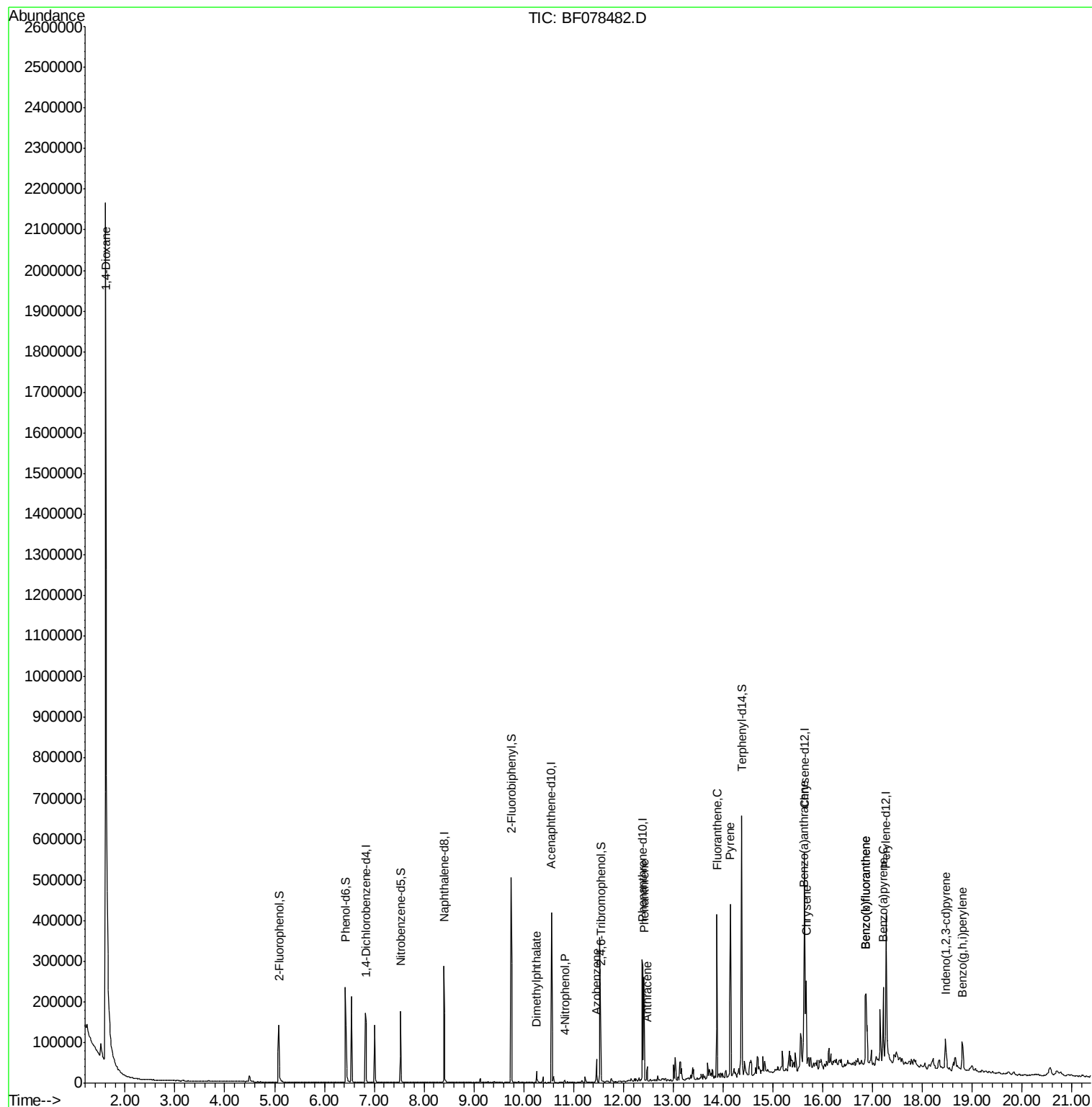
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.61	88	96339	88.84	ng	# 25
49) Dimethylphthalate	10.26	163	15202	2.30	ng	# 96
55) 4-Nitrophenol	10.82	139	1708	4.21	ng	# 18
62) Azobenzene	11.46	77	12008	2.06	ng	# 1
70) Phenanthrene	12.41	178	102409	10.24	ng	100
71) Anthracene	12.48	178	20218	2.05	ng	98
74) Fluoranthene	13.87	202	177273	16.81	ng	93
77) Pyrene	14.15	202	182491	15.23	ng	97
80) Benzo(a)anthracene	15.62	228	106714	9.40	ng	97
82) Chrysene	15.67	228	92192	8.64	ng	99
85) Indeno(1,2,3-cd)pyrene	18.47	276	56454	4.66	ng	# 85
87) Benzo(b)fluoranthene	16.87	252	145556	12.47	ng	# 96
88) Benzo(k)fluoranthene	16.87	252	146720	14.15	ng	97
89) Benzo(a)pyrene	17.21	252	77756	7.63	ng	# 94
91) Benzo(g,h,i)perylene	18.80	276	52290	5.11	ng	96

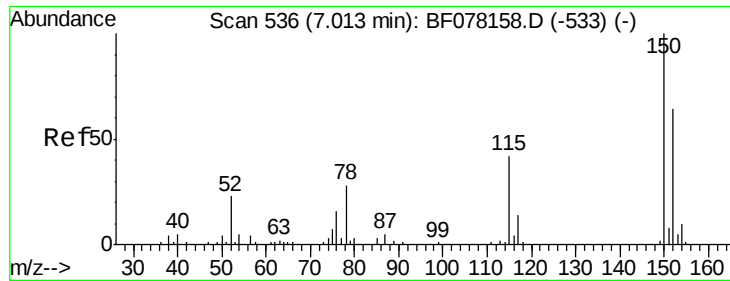
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
Data File : BF078482.D
Acq On : 14 Apr 2015 3:42
Operator : TP/IZ
Sample : G1841-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP-1

Quant Time: Apr 14 04:36:31 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 14 04:24:31 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 494

Delta R.T. 0.00 min

Lab File: BF078482.D

Acq: 14 Apr 2015 3:42

Instrument :

BNA_F

ClientSampled :

EP-1

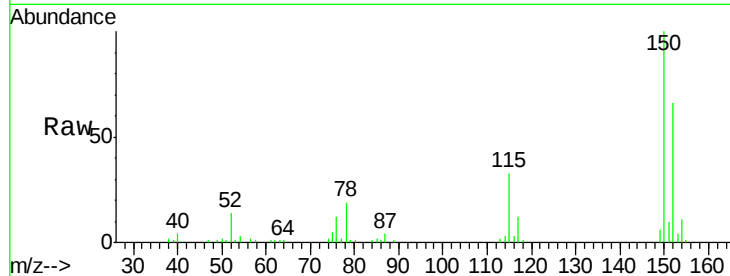
Tgt Ion:152 Resp: 39541

Ion Ratio Lower Upper

152 100

150 151.9 125.9 188.9

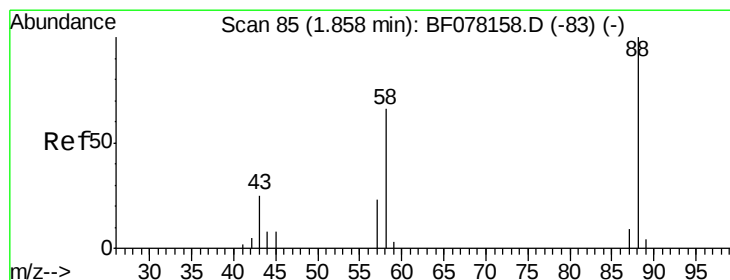
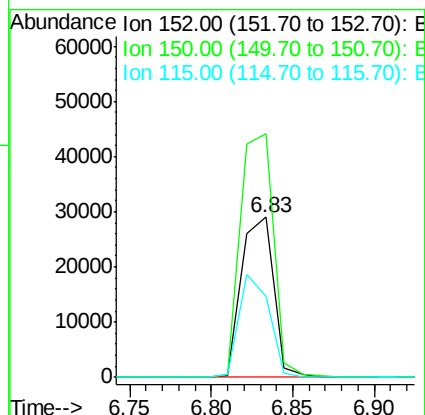
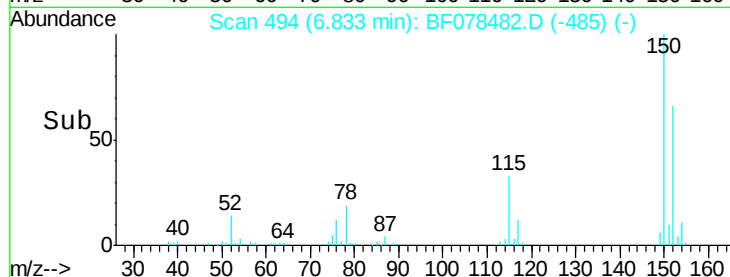
115 50.9 52.7 79.1#



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: 88.84 ng

RT: 1.61 min Scan# 37

Delta R.T. 0.00 min

Lab File: BF078482.D

Acq: 14 Apr 2015 3:42

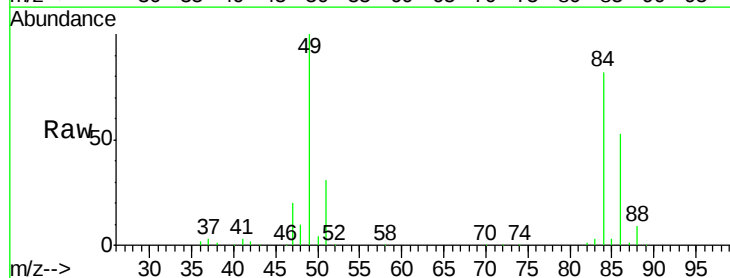
Tgt Ion: 88 Resp: 96339

Ion Ratio Lower Upper

88 100

58 0.0 56.9 85.3#

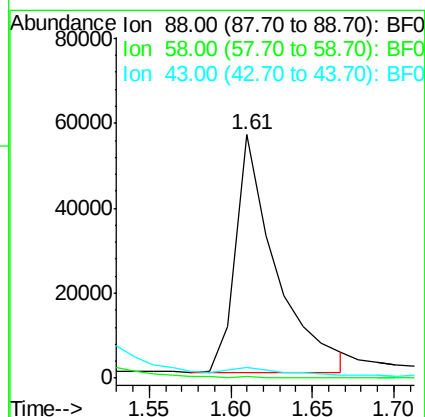
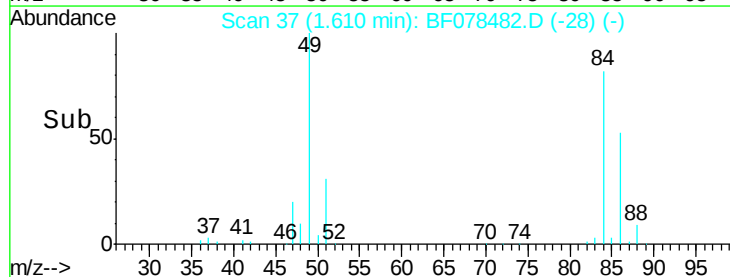
43 3.3 21.4 32.2#

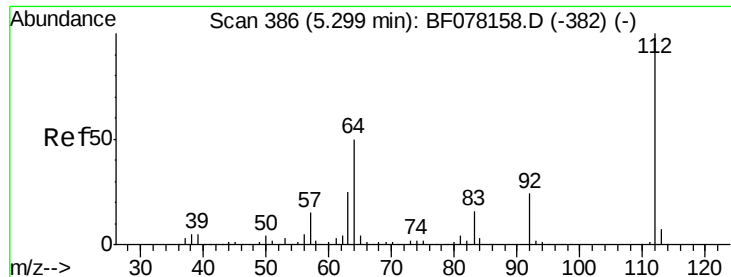


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 24.68 ng

RT: 5.08 min Scan# 341

Delta R.T. 0.01 min

Lab File: BF078482.D

Acq: 14 Apr 2015 3:42

Instrument :

BNA_F

ClientSampleId :

EP-1

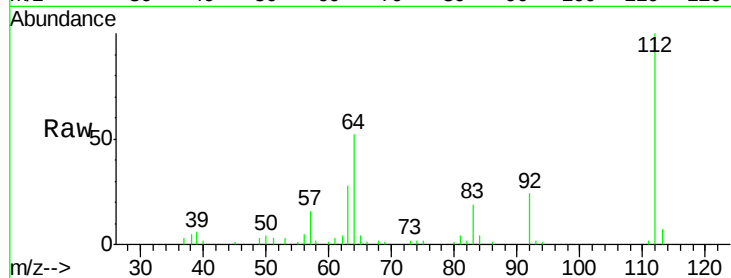
Tgt Ion: 112 Resp: 59187

Ion Ratio Lower Upper

112 100

64 52.2 39.9 59.9

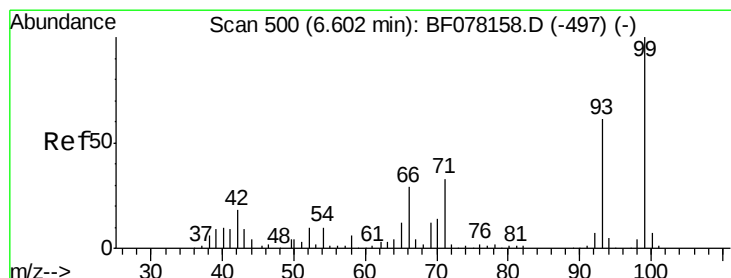
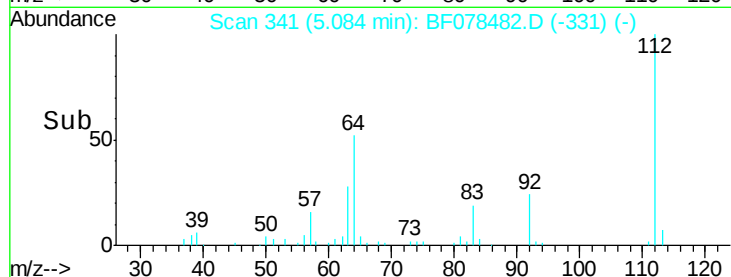
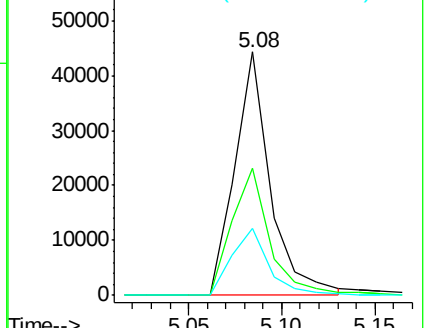
63 27.6 20.2 30.4



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: 38.10 ng

RT: 6.42 min Scan# 458

Delta R.T. -0.01 min

Lab File: BF078482.D

Acq: 14 Apr 2015 3:42

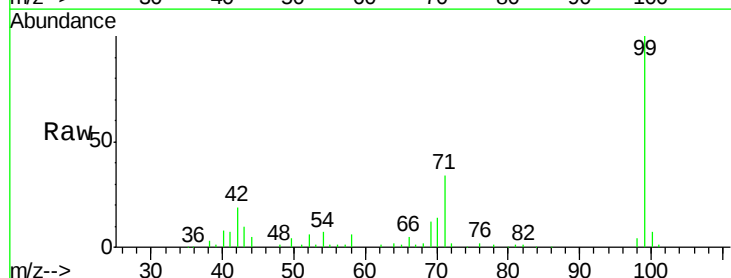
Tgt Ion: 99 Resp: 114497

Ion Ratio Lower Upper

99 100

42 18.6 14.8 22.2

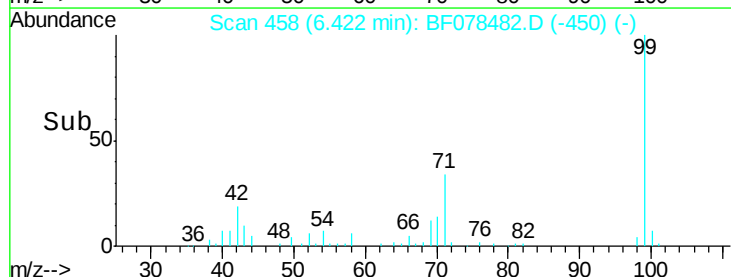
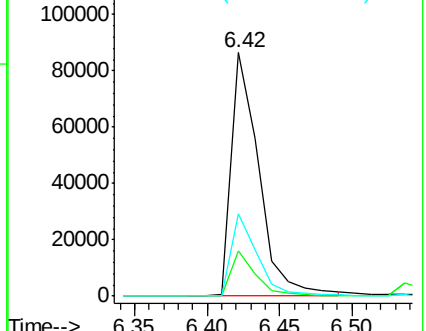
71 34.0 26.6 39.8

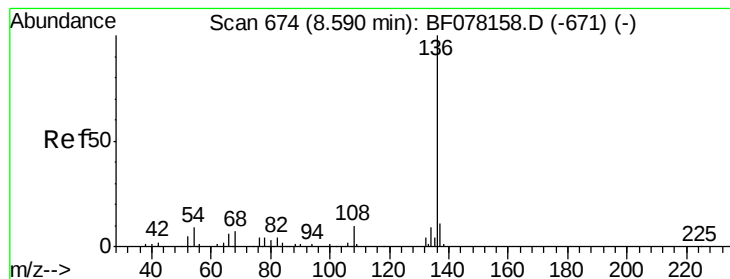


Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 8.40 min Scan# 631

Delta R.T. -0.01 min

Lab File: BF078482.D

Acq: 14 Apr 2015 3:42

Instrument :

BNA_F

ClientSampleId :

EP-1

Tgt Ion: 136 Resp: 166692

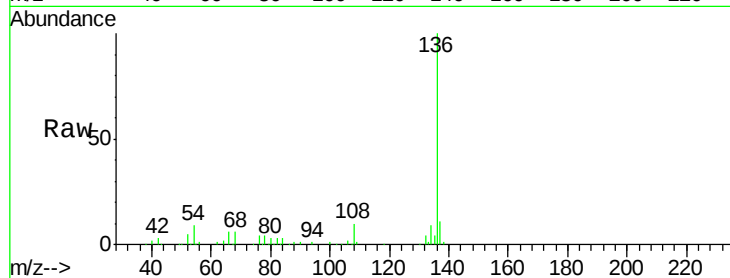
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 9.2 7.0 10.6

68 6.5 5.4 8.2

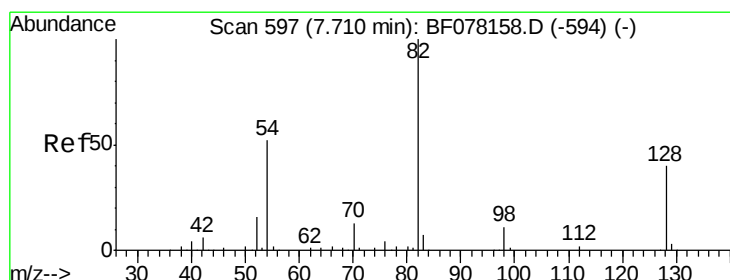
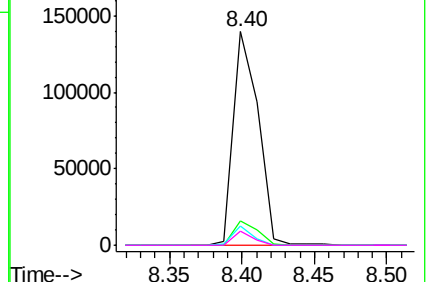
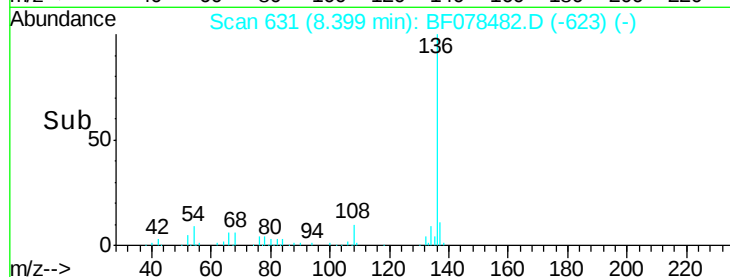


Abundance Ion 136.00 (135.70 to 136.70): E

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: 23.75 ng

RT: 7.53 min Scan# 555

Delta R.T. 0.00 min

Lab File: BF078482.D

Acq: 14 Apr 2015 3:42

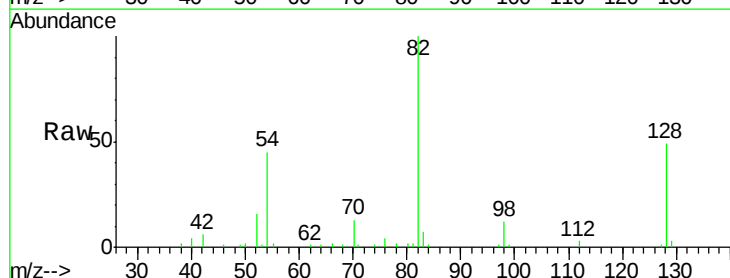
Tgt Ion: 82 Resp: 65307

Ion Ratio Lower Upper

82 100

128 48.6 31.8 47.8#

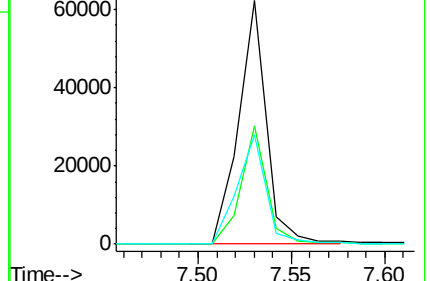
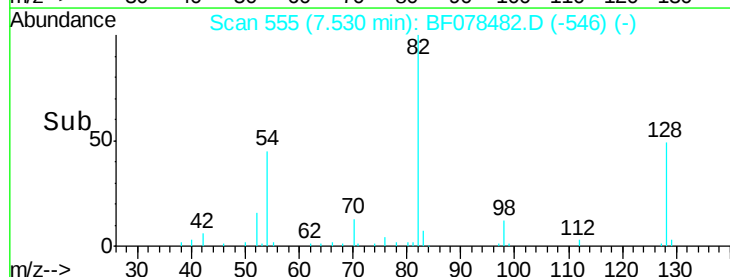
54 45.0 41.5 62.3

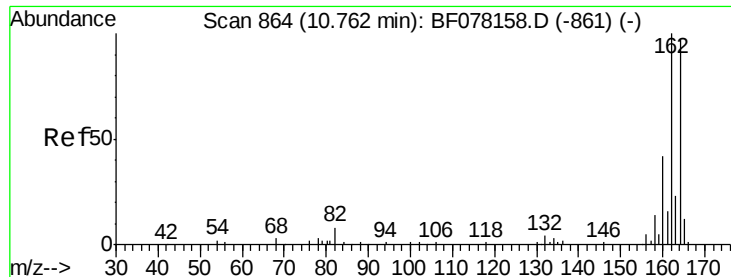


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 10.56 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF078482.D

Acq: 14 Apr 2015 3:42

Instrument :

BNA_F

ClientSampled :

EP-1

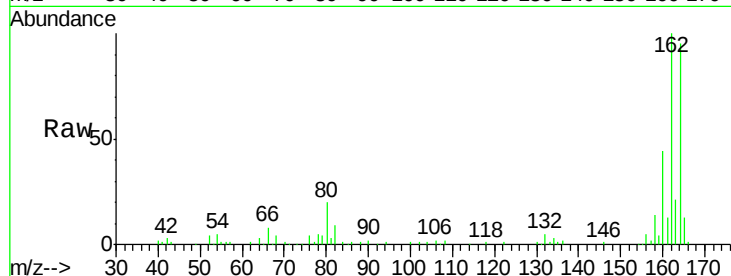
Tgt Ion:164 Resp: 88041

Ion Ratio Lower Upper

164 100

162 104.9 82.2 123.2

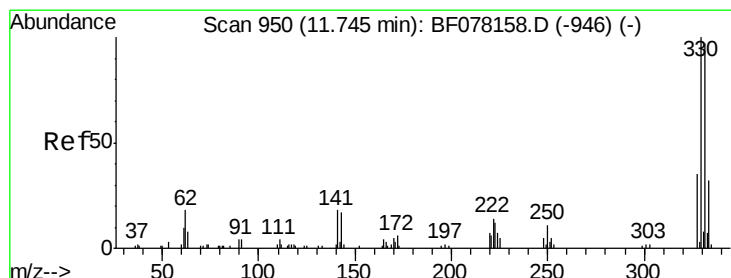
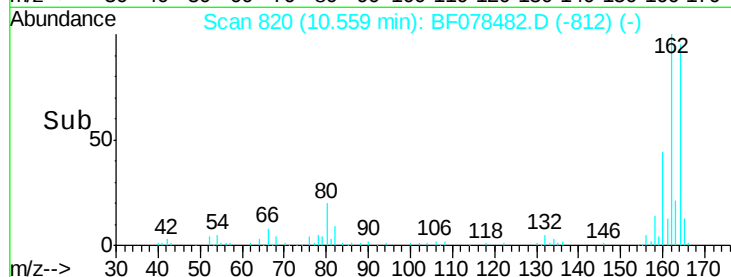
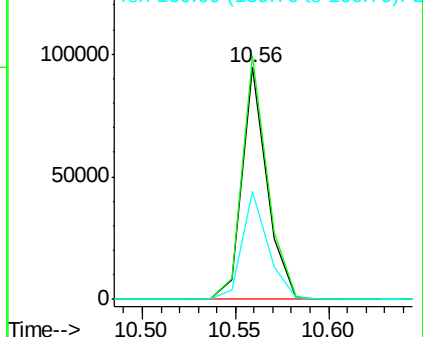
160 46.4 34.7 52.1



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: 63.58 ng

RT: 11.54 min Scan# 906

Delta R.T. 0.00 min

Lab File: BF078482.D

Acq: 14 Apr 2015 3:42

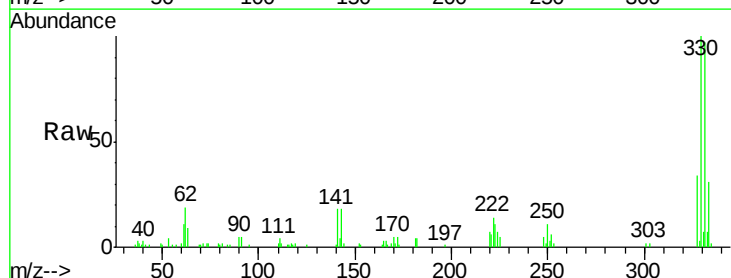
Tgt Ion:330 Resp: 46424

Ion Ratio Lower Upper

330 100

332 94.9 78.6 117.8

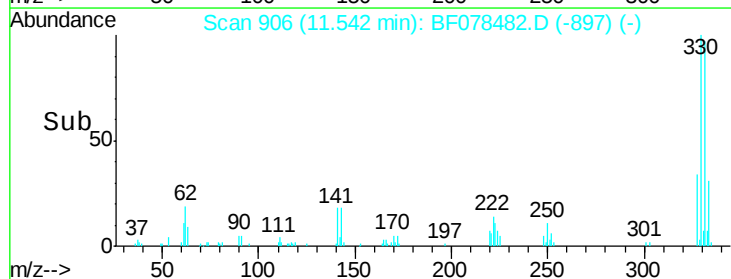
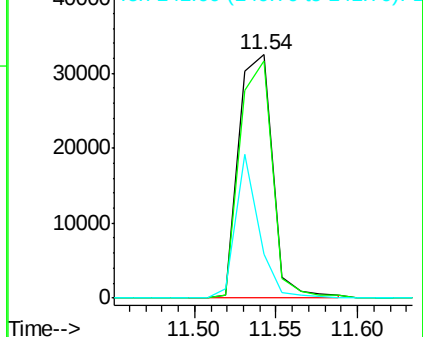
141 40.9 31.2 46.8

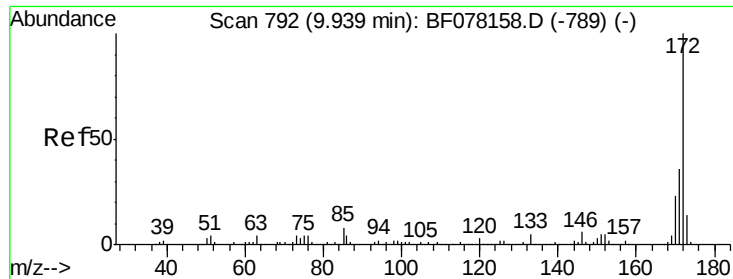


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

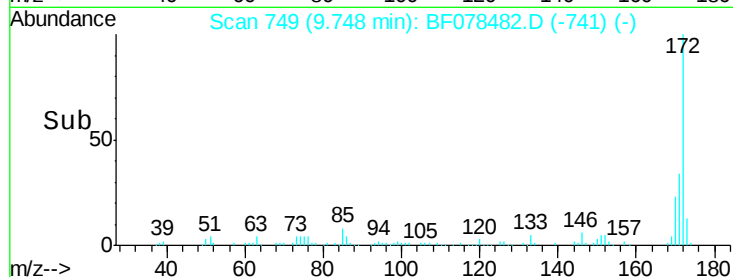
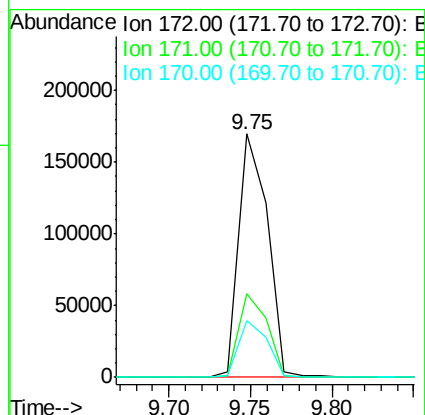
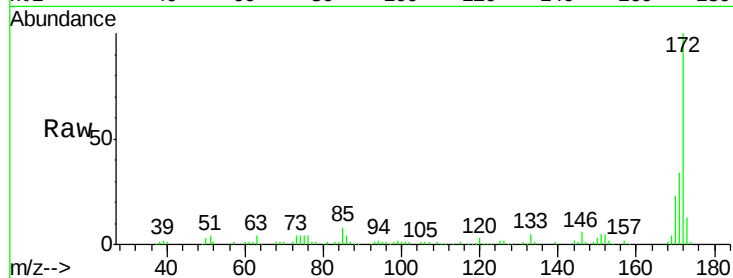




#44
2-Fluorobiphenyl
Concen: 33.56 ng
RT: 9.75 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF078482.D
Acq: 14 Apr 2015 3:42

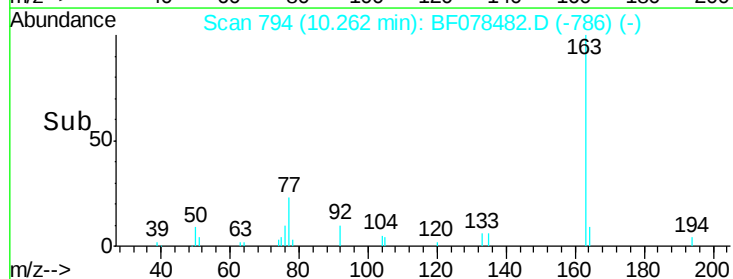
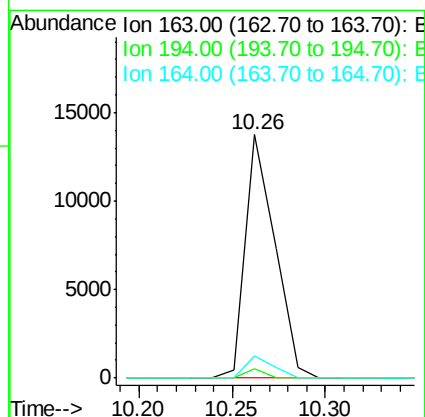
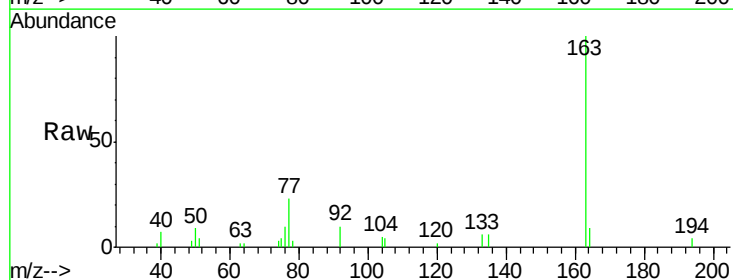
Instrument :
BNA_F
ClientSampleId :
EP-1

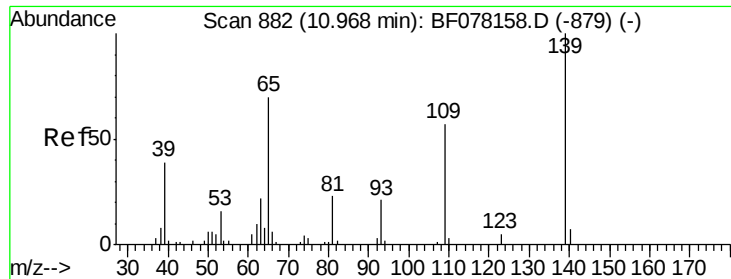
Tgt Ion:172 Resp: 206712
Ion Ratio Lower Upper
172 100
171 34.5 28.6 42.8
170 23.3 18.5 27.7



#49
Dimethylphthalate
Concen: 2.30 ng
RT: 10.26 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF078482.D
Acq: 14 Apr 2015 3:42

Tgt Ion:163 Resp: 15202
Ion Ratio Lower Upper
163 100
194 3.7 2.3 3.5#
164 9.3 8.6 13.0

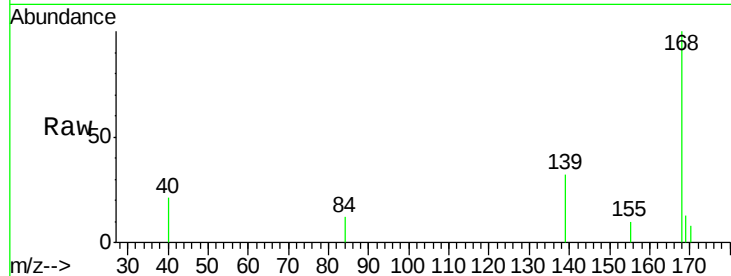




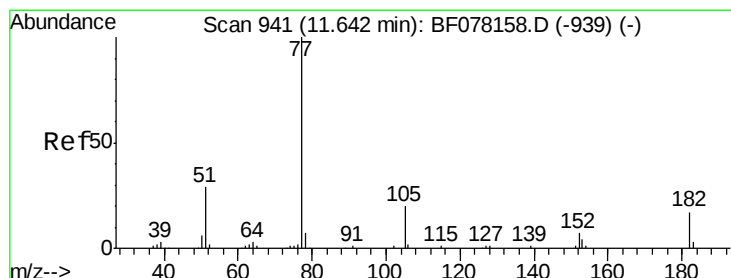
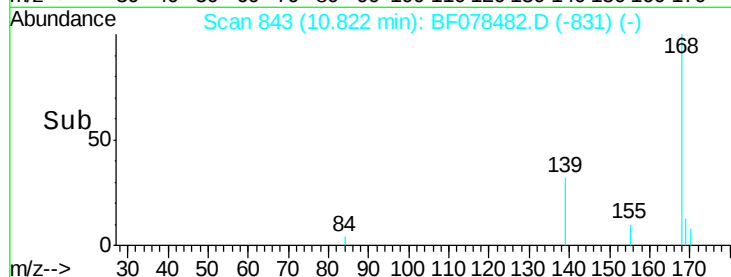
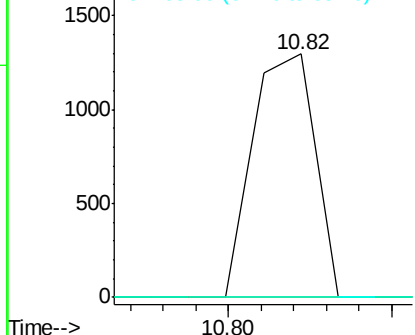
#55
4-Nitrophenol
Concen: 4.21 ng
RT: 10.82 min Scan# 843
Delta R.T. 0.03 min
Lab File: BF078482.D
Acq: 14 Apr 2015 3:42

Instrument :
BNA_F
ClientSampleId :
EP-1

Tgt Ion: 139 Resp: 1708
Ion Ratio Lower Upper
139 100
109 0.0 36.7 76.7#
65 0.0 49.9 89.9#

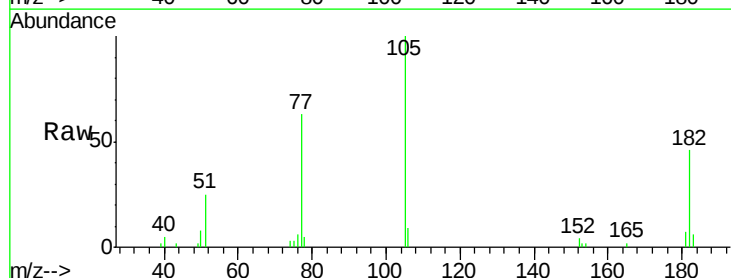


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

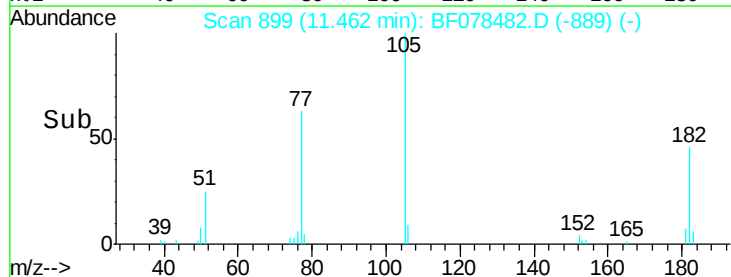
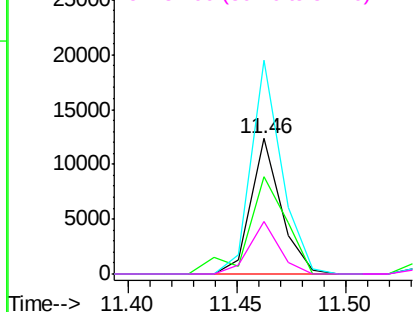


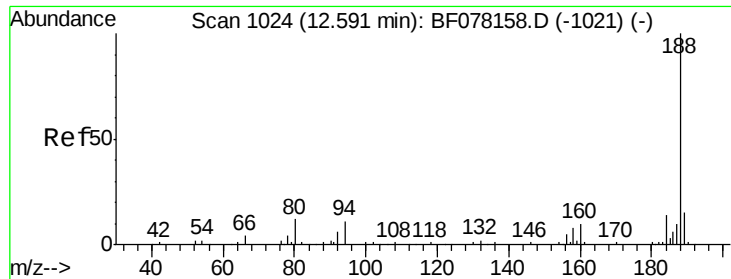
#62
Azobenzene
Concen: 2.06 ng
RT: 11.46 min Scan# 899
Delta R.T. 0.01 min
Lab File: BF078482.D
Acq: 14 Apr 2015 3:42

Tgt Ion: 77 Resp: 12008
Ion Ratio Lower Upper
77 100
182 72.1 0.0 36.8#
105 158.0 0.3 40.3#
51 39.2 9.1 49.1



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0

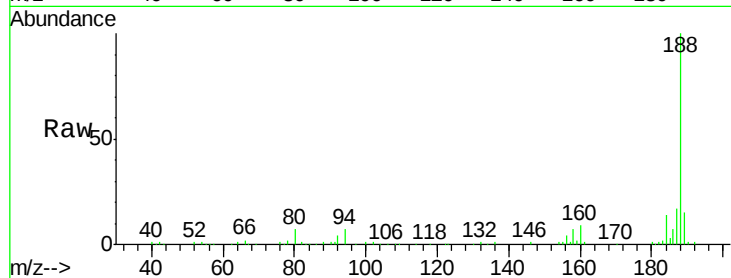




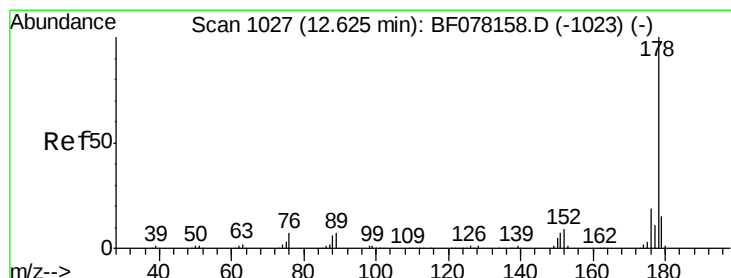
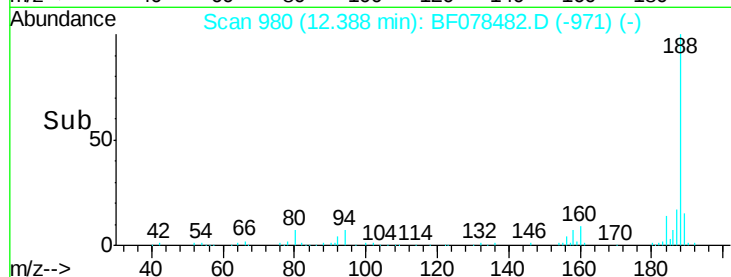
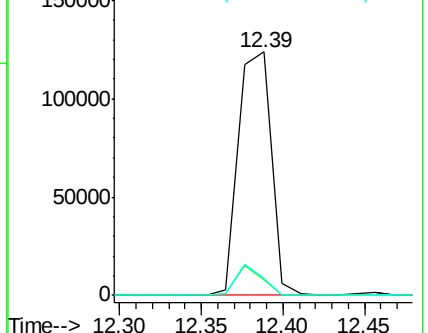
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.39 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: BF078482.D
 Acq: 14 Apr 2015 3:42

Instrument :
 BNA_F
 ClientSampleId :
 EP-1

Tgt Ion:188 Resp: 172871
 Ion Ratio Lower Upper
 188 100
 94 6.7 9.0 13.4#
 80 7.2 9.5 14.3#

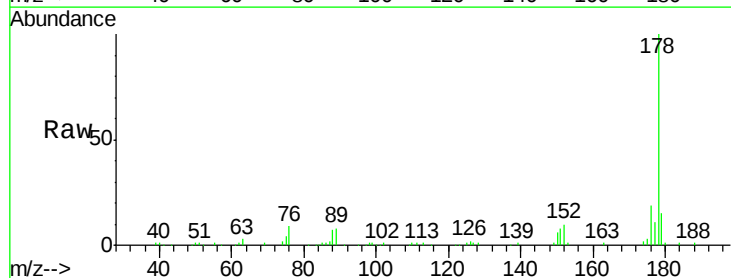


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

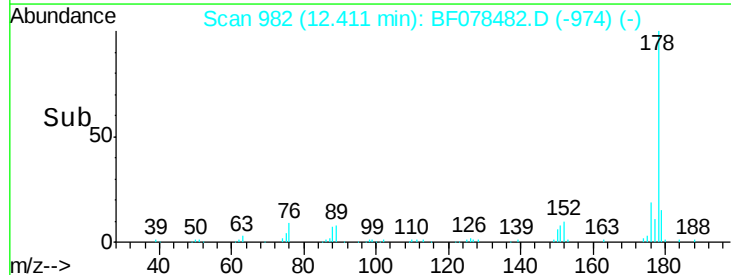
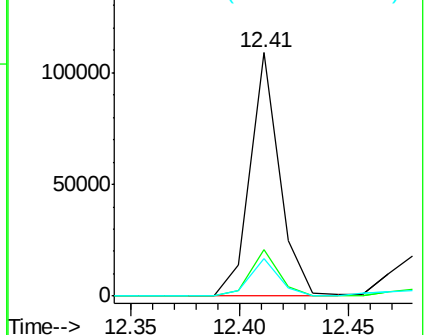


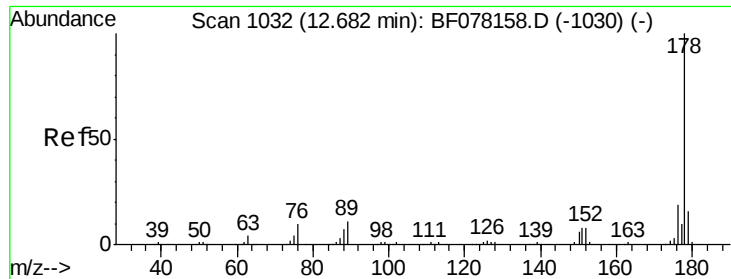
#70
 Phenanthrene
 Concen: 10.24 ng
 RT: 12.41 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: BF078482.D
 Acq: 14 Apr 2015 3:42

Tgt Ion:178 Resp: 102409
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.0
 179 15.3 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

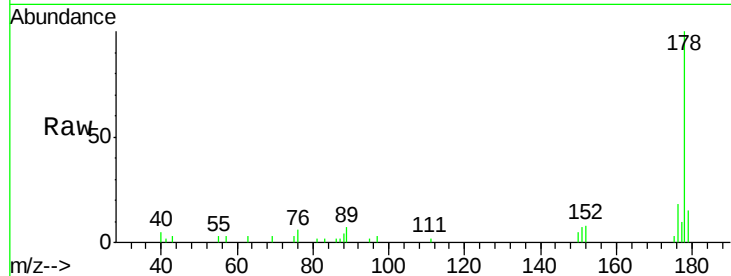




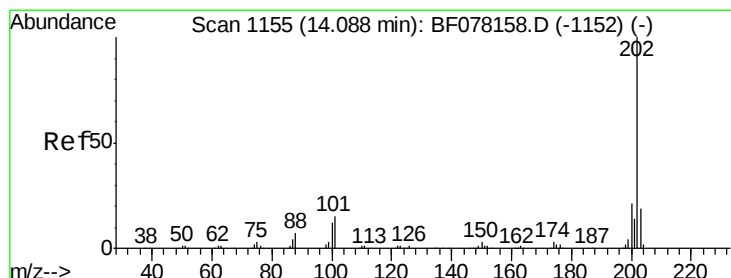
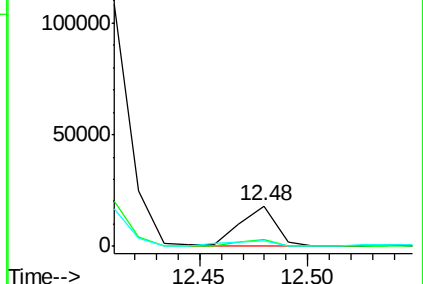
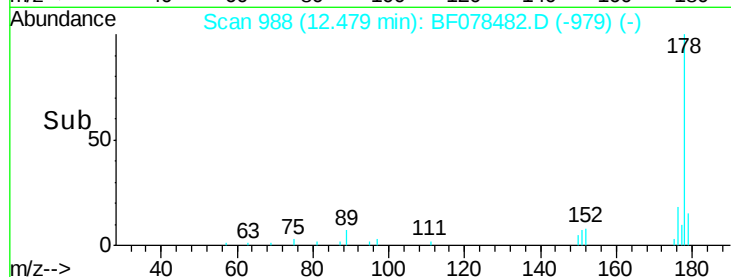
#71
 Anthracene
 Concen: 2.05 ng
 RT: 12.48 min Scan# 988
 Delta R.T. 0.00 min
 Lab File: BF078482.D
 Acq: 14 Apr 2015 3:42

Instrument :
 BNA_F
 ClientSampleId :
 EP-1

Tgt Ion:178 Resp: 20218
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.8 22.2
 179 14.6 12.4 18.6

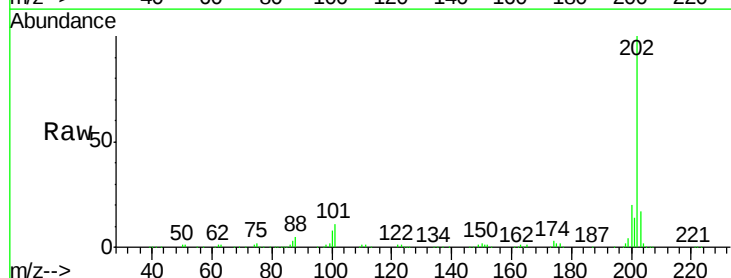


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

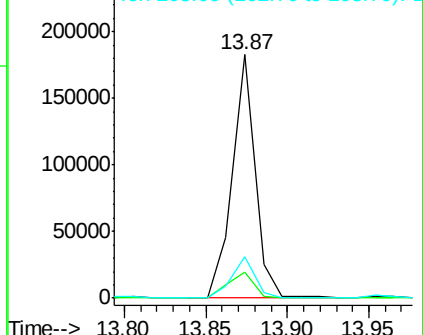
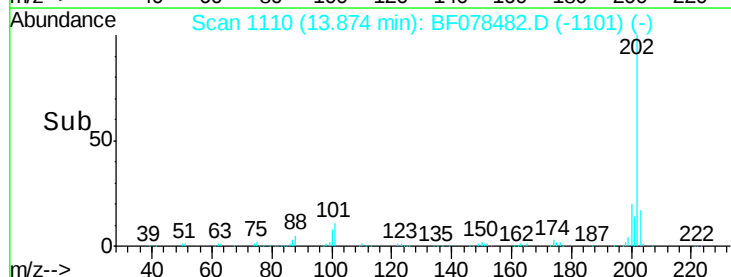


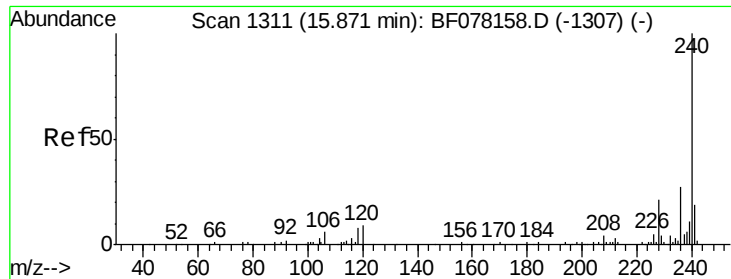
#74
 Fluoranthene
 Concen: 16.81 ng
 RT: 13.87 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: BF078482.D
 Acq: 14 Apr 2015 3:42

Tgt Ion:202 Resp: 177273
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 35.2
 203 16.9 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

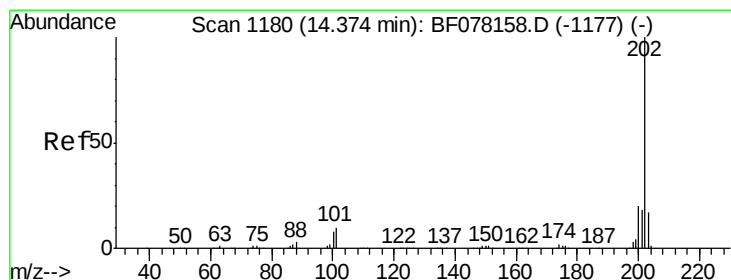
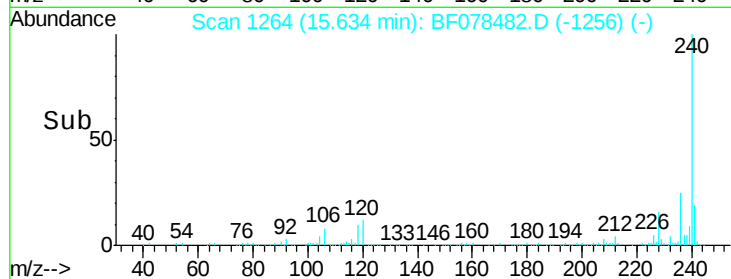
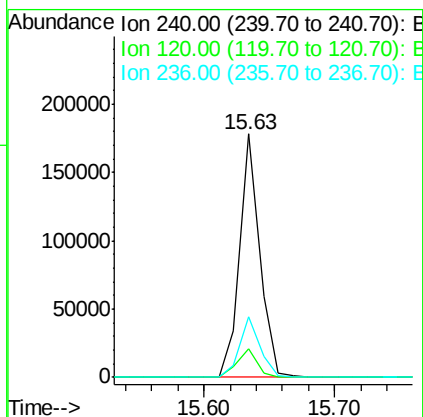
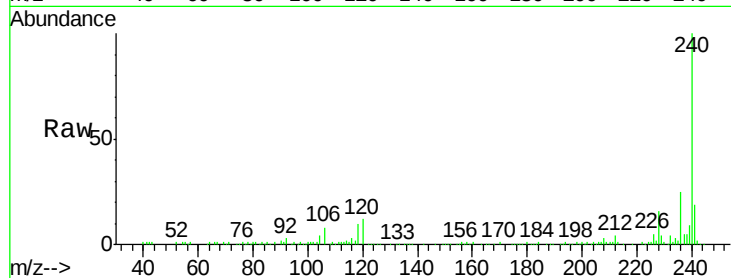




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.63 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: BF078482.D
 Acq: 14 Apr 2015 3:42

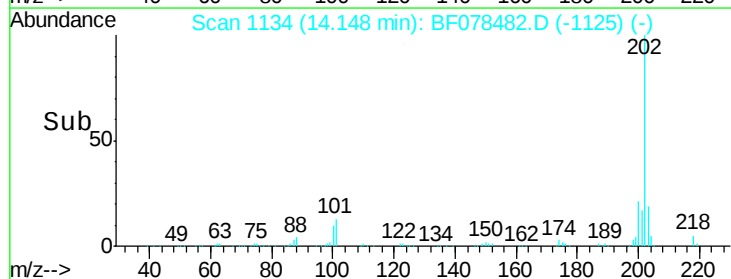
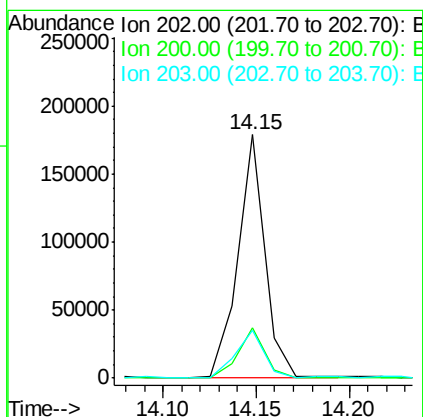
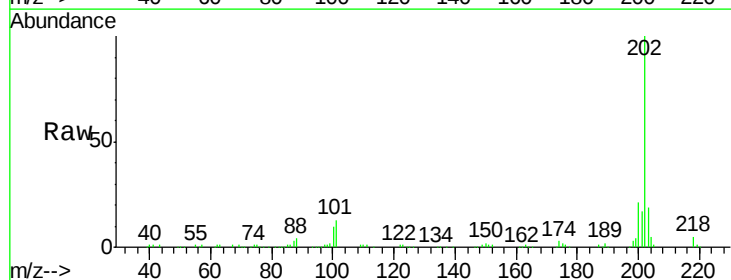
Instrument :
 BNA_F
 ClientSampleId :
 EP-1

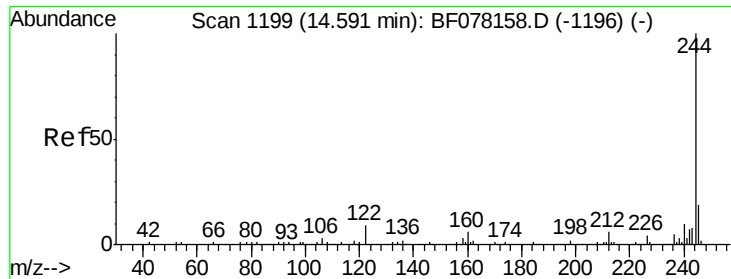
Tgt Ion: 240 Resp: 190824
 Ion Ratio Lower Upper
 240 100
 120 11.9 7.1 10.7#
 236 25.1 21.4 32.2



#77
 Pyrene
 Concen: 15.23 ng
 RT: 14.15 min Scan# 1134
 Delta R.T. 0.00 min
 Lab File: BF078482.D
 Acq: 14 Apr 2015 3:42

Tgt Ion: 202 Resp: 182491
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.3 24.5
 203 19.4 13.8 20.6





#78

Terphenyl-d14

Concen: 36.87 ng

RT: 14.38 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF078482.D

Acq: 14 Apr 2015 3:42

Instrument :

BNA_F

ClientSampleId :

EP-1

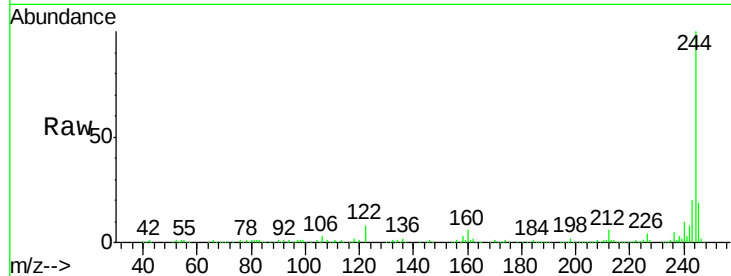
Tgt Ion:244 Resp: 311394

Ion Ratio Lower Upper

244 100

212 6.1 5.0 7.4

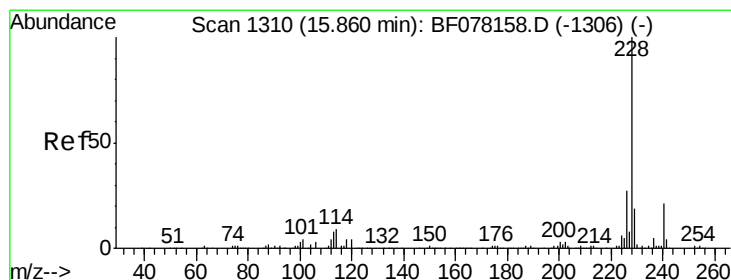
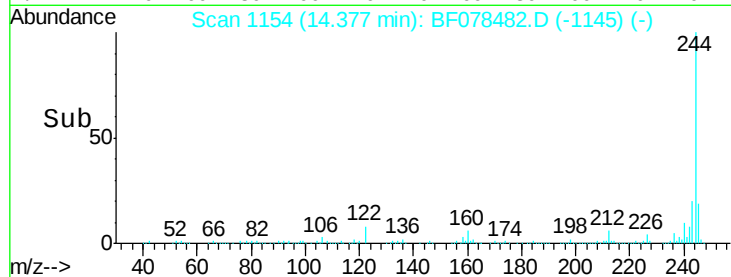
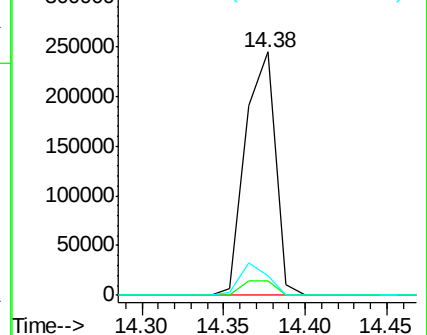
122 8.3 7.1 10.7



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: 9.40 ng

RT: 15.62 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BF078482.D

Acq: 14 Apr 2015 3:42

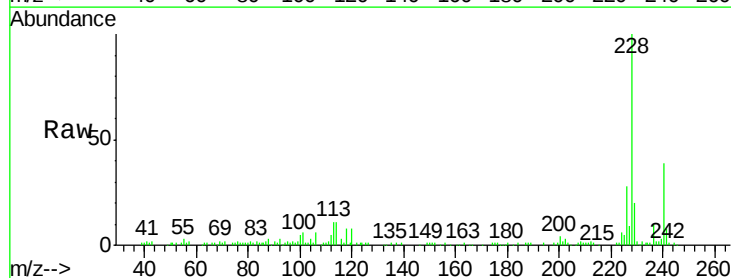
Tgt Ion:228 Resp: 106714

Ion Ratio Lower Upper

228 100

226 28.3 21.3 31.9

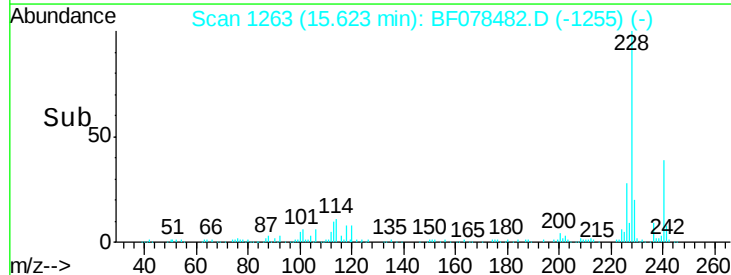
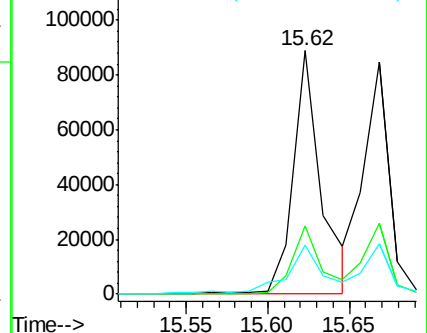
229 20.1 15.4 23.2

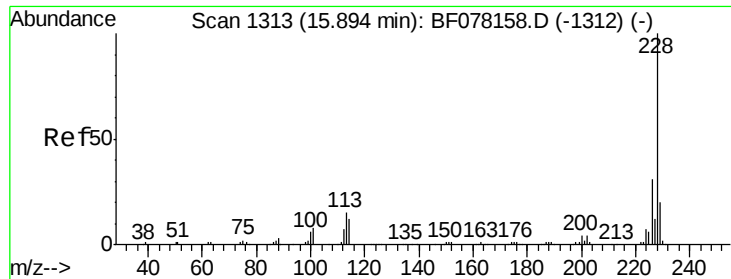


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.64 ng

RT: 15.67 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF078482.D

Acq: 14 Apr 2015 3:42

Instrument :

BNA_F

ClientSampleId :

EP-1

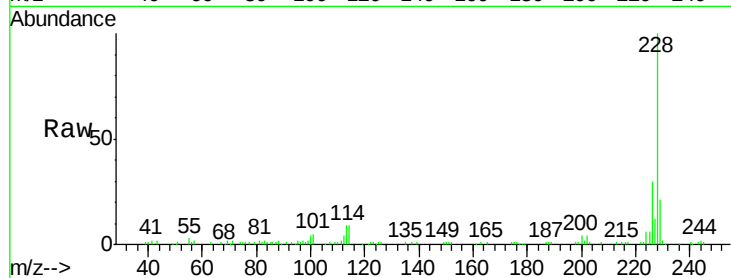
Tgt Ion:228 Resp: 92192

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.4

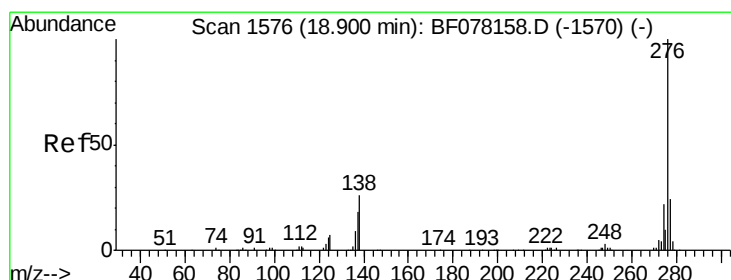
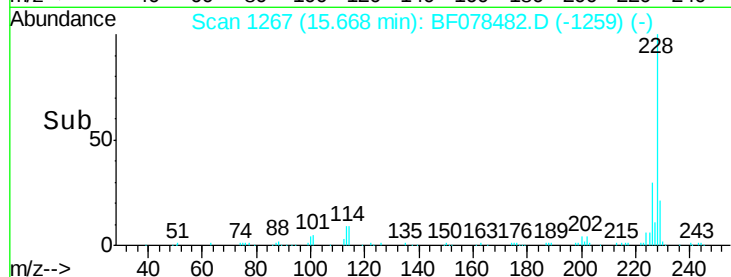
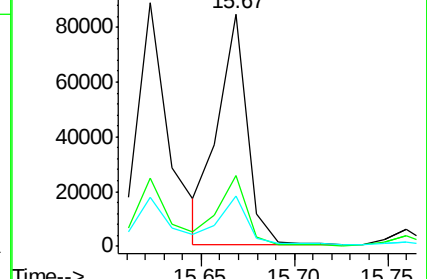
229 21.4 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.66 ng

RT: 18.47 min Scan# 1512

Delta R.T. -0.03 min

Lab File: BF078482.D

Acq: 14 Apr 2015 3:42

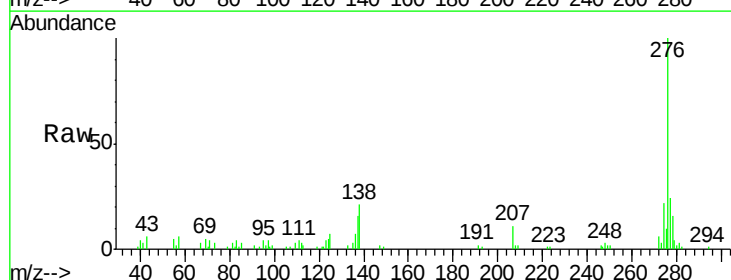
Tgt Ion:276 Resp: 56454

Ion Ratio Lower Upper

276 100

138 26.0 16.9 25.3#

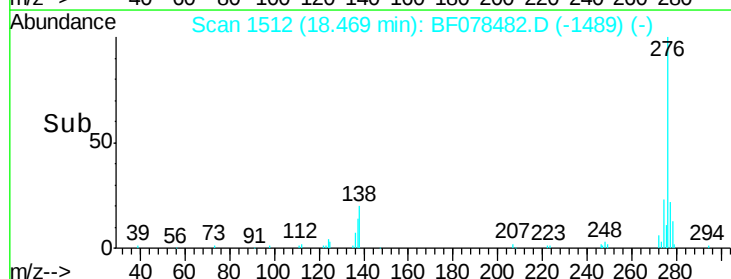
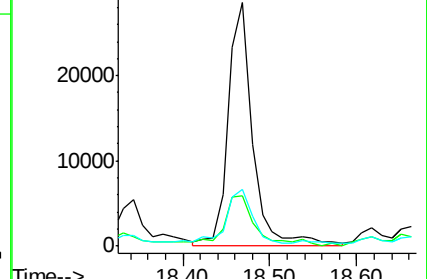
277 28.7 15.8 23.6#

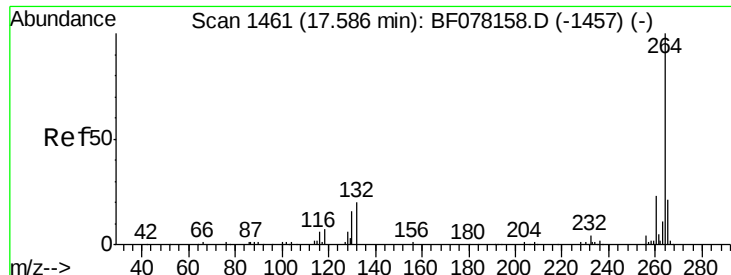


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

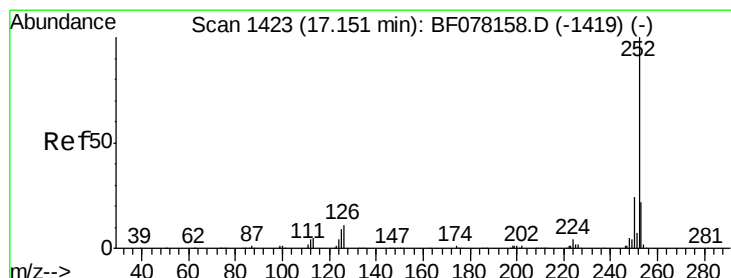
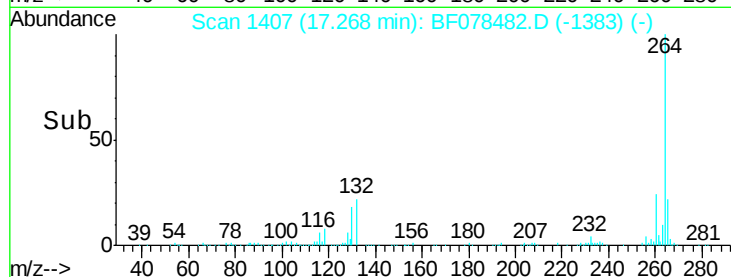
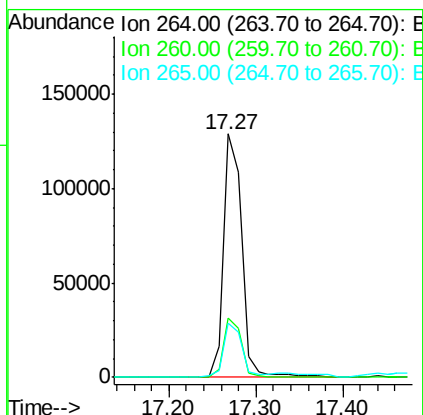
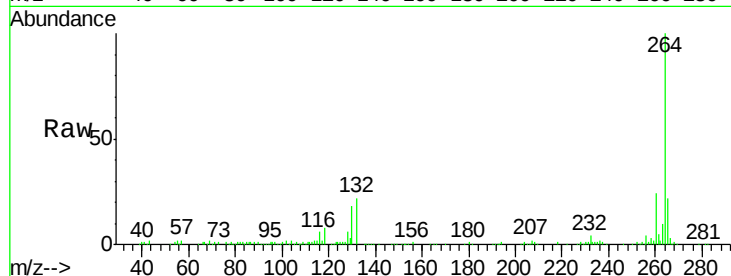




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.27 min Scan# 1407
Delta R.T. -0.02 min
Lab File: BF078482.D
Acq: 14 Apr 2015 3:42

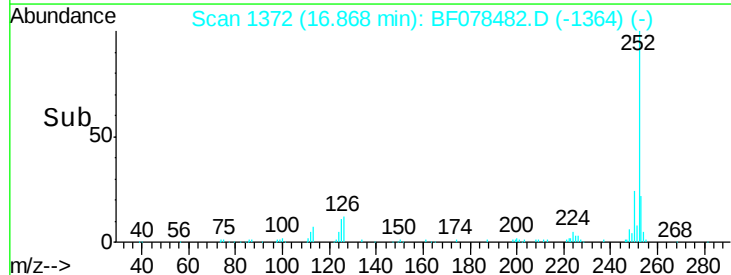
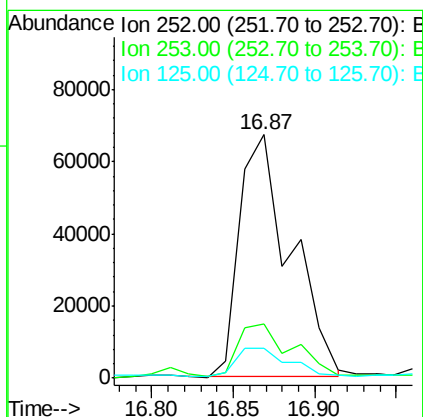
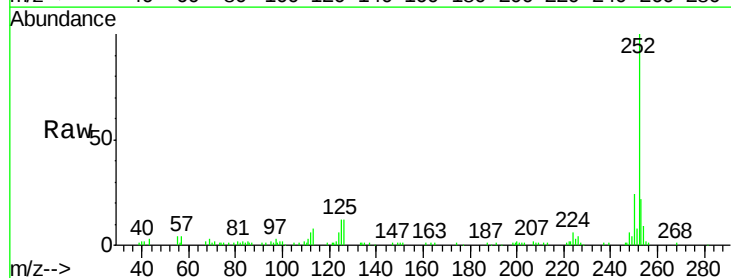
Instrument :
BNA_F
ClientSampleId :
EP-1

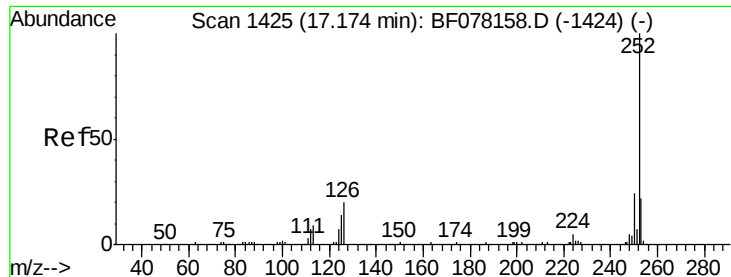
Tgt Ion: 264 Resp: 188845
Ion Ratio Lower Upper
264 100
260 24.3 18.6 27.8
265 22.5 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 12.47 ng
RT: 16.87 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BF078482.D
Acq: 14 Apr 2015 3:42

Tgt Ion: 252 Resp: 145556
Ion Ratio Lower Upper
252 100
253 22.2 17.2 25.8
125 12.3 7.0 10.4#





#88

Benzo(k)fluoranthene

Concen: 14.15 ng

RT: 16.87 min Scan# 1372

Delta R.T. -0.05 min

Lab File: BF078482.D

Acq: 14 Apr 2015 3:42

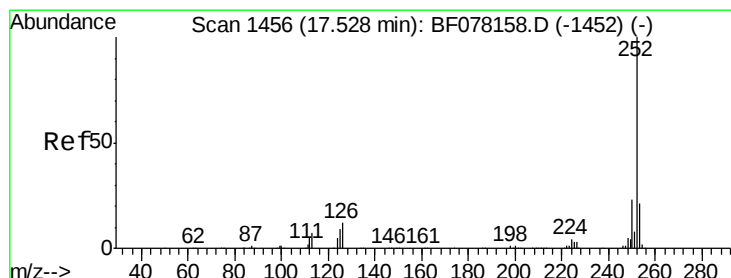
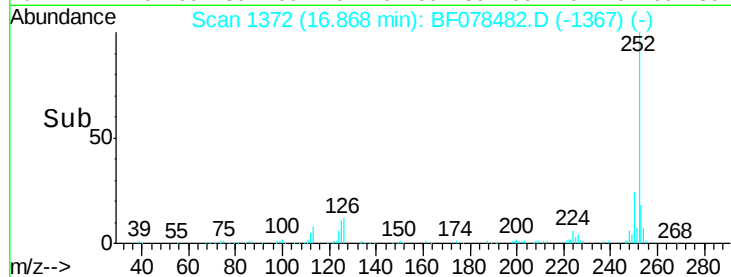
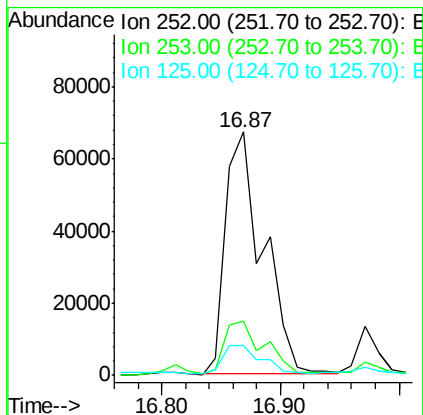
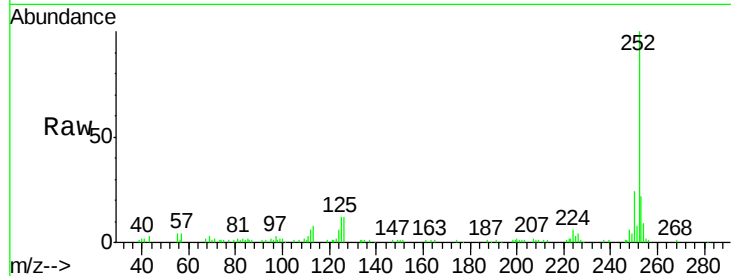
Instrument :

BNA_F

ClientSampleId :

EP-1

Tgt Ion:	252	Resp:	146720
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	12.3	11.6	17.4



#89

Benzo(a)pyrene

Concen: 7.63 ng

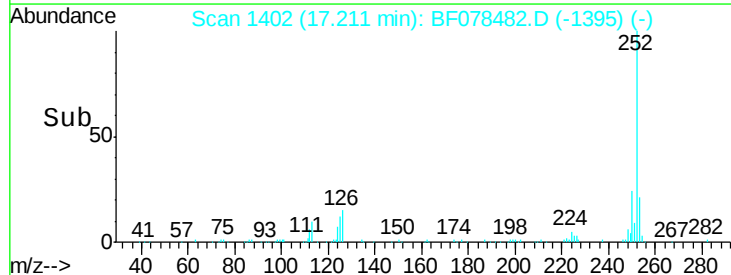
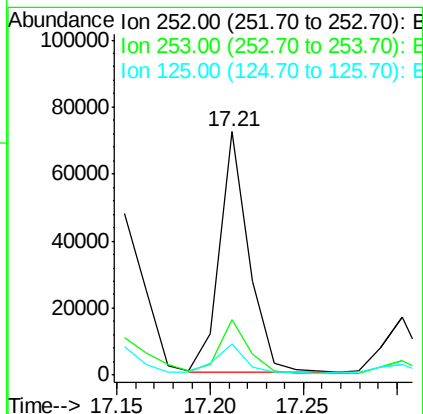
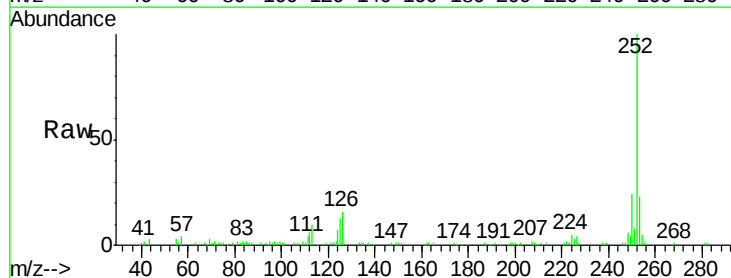
RT: 17.21 min Scan# 1402

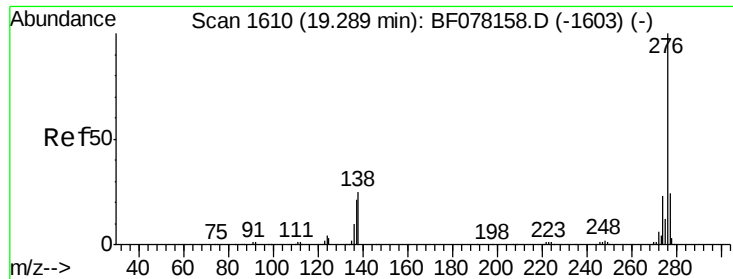
Delta R.T. -0.02 min

Lab File: BF078482.D

Acq: 14 Apr 2015 3:42

Tgt Ion:	252	Resp:	77756
Ion	Ratio	Lower	Upper
252	100		
253	22.8	16.8	25.2
125	12.8	7.4	11.0#





#91

Benzo(g,h,i)perylene

Concen: 5.11 ng

RT: 18.80 min Scan# 1541

Delta R.T. -0.05 min

Lab File: BF078482.D

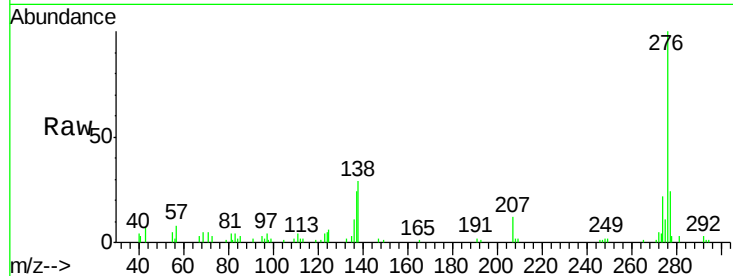
Acq: 14 Apr 2015 3:42

Instrument :

BNA_F

ClientSampleId :

EP-1



Tgt Ion:	276	Resp:	52290
Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	28.9	19.9	29.9

