

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
 Data File : BF078528.D
 Acq On : 15 Apr 2015 7:15
 Operator : TP/IZ
 Sample : G1841-01RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-1RE

Quant Time: Apr 15 11:45:49 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

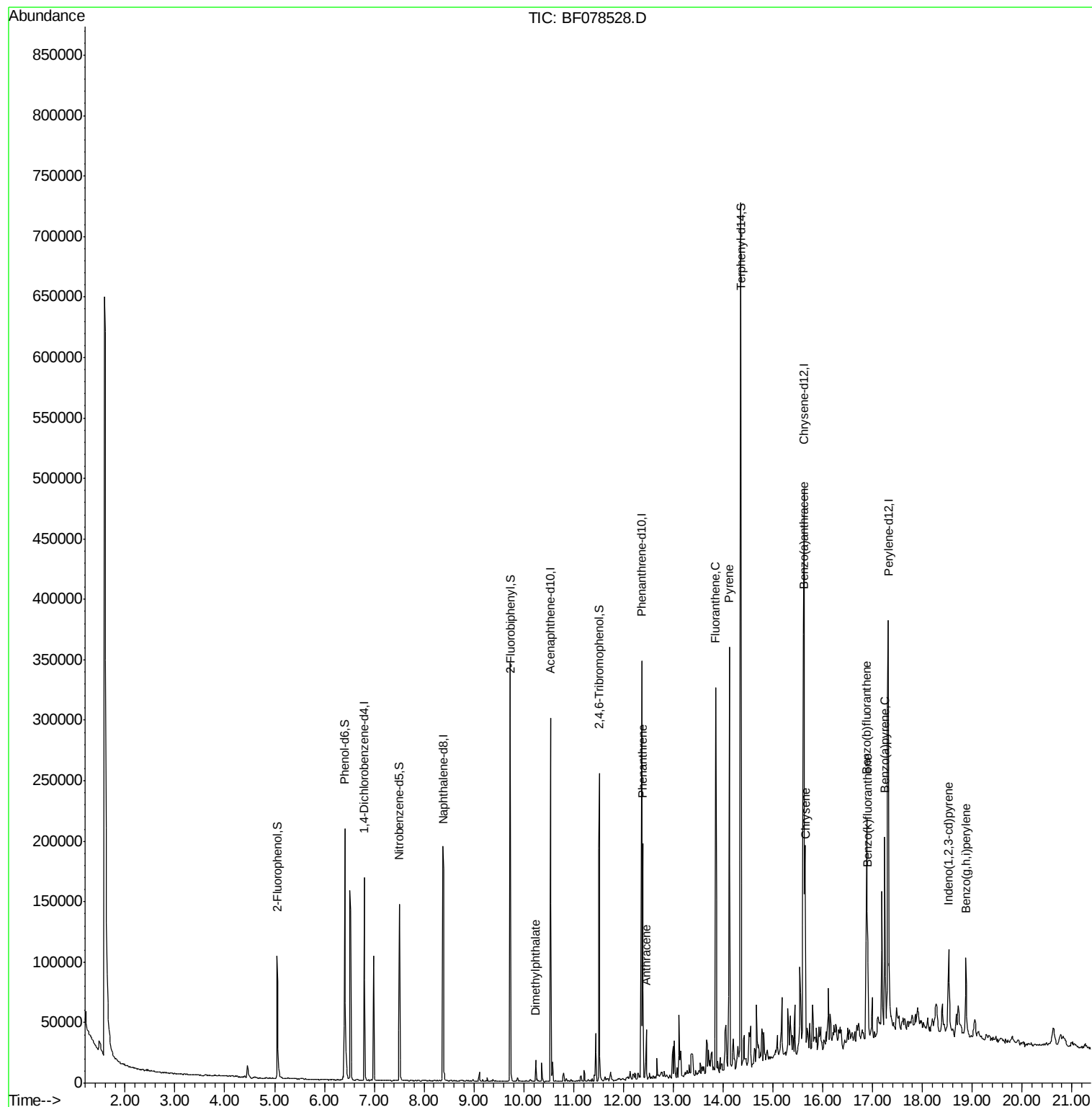
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	31527	20.00	ng	0.00
21) Naphthalene-d8	8.39	136	133971	20.00	ng	0.00
38) Acenaphthene-d10	10.54	164	69141	20.00	ng	0.00
63) Phenanthrene-d10	12.37	188	144389	20.00	ng	0.00
75) Chrysene-d12	15.62	240	170995	20.00	ng	-0.03
86) Perylene-d12	17.31	264	172523	20.00	ng	-0.17
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	48439	25.33	ng	0.00
7) Phenol-d6	6.41	99	92567	38.63	ng	0.00
23) Nitrobenzene-d5	7.51	82	51766	23.42	ng	0.00
41) 2,4,6-Tribromophenol	11.52	330	39958	69.68	ng	0.00
44) 2-Fluorobiphenyl	9.74	172	163415	33.78	ng	0.00
78) Terphenyl-d14	14.35	244	250411	33.09	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.24	163	10918	2.10	ng	# 96
70) Phenanthrene	12.39	178	83791	10.03	ng	98
71) Anthracene	12.46	178	17805	2.16	ng	98
74) Fluoranthene	13.85	202	151445	17.19	ng	97
77) Pyrene	14.13	202	156227	14.55	ng	# 94
80) Benzo(a)anthracene	15.61	228	97735	9.61	ng	97
82) Chrysene	15.66	228	76118	7.96	ng	98
85) Indeno(1,2,3-cd)pyrene	18.53	276	41121	3.79	ng	93
87) Benzo(b)fluoranthene	16.88	252	92632m	8.69	ng	
88) Benzo(k)fluoranthene	16.89	252	39992m	4.22	ng	
89) Benzo(a)pyrene	17.25	252	70484	7.57	ng	# 95
91) Benzo(g,h,i)perylene	18.87	276	42681m	4.57	ng	

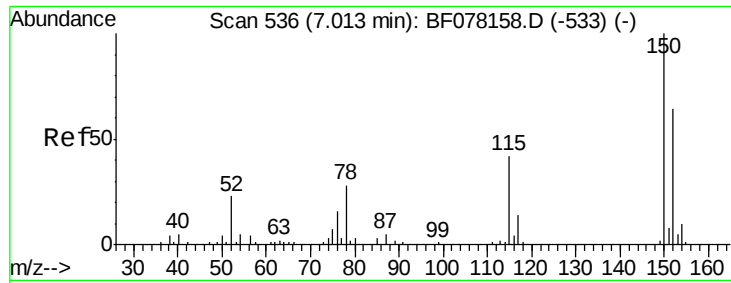
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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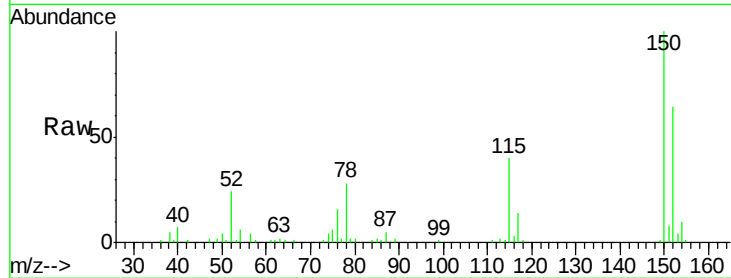




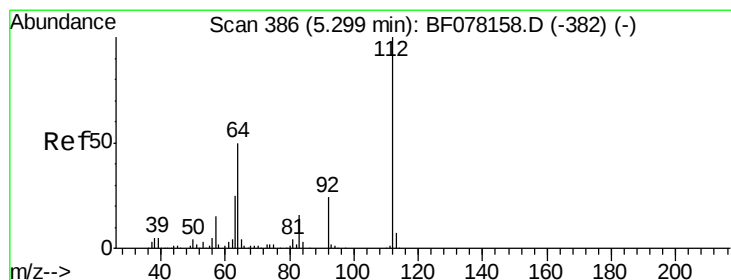
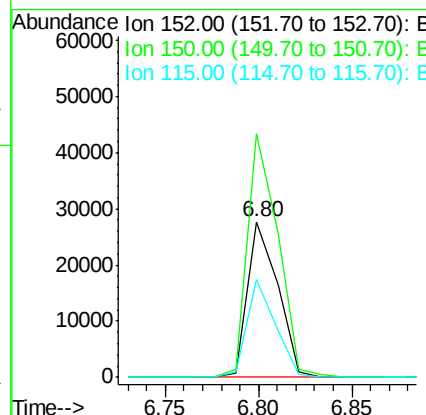
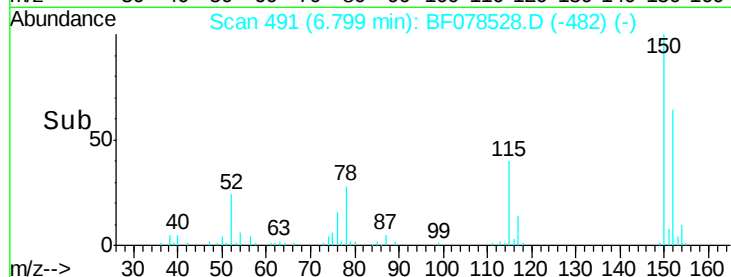
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 491
 Delta R.T. 0.00 min
 Lab File: BF078528.D
 Acq: 15 Apr 2015 7:15

Instrument :
 BNA_F
 ClientSampleId :
 EP-1RE

Tgt Ion:152 Resp: 31527
 Ion Ratio Lower Upper
 152 100
 150 156.2 125.9 188.9
 115 62.7 52.7 79.1

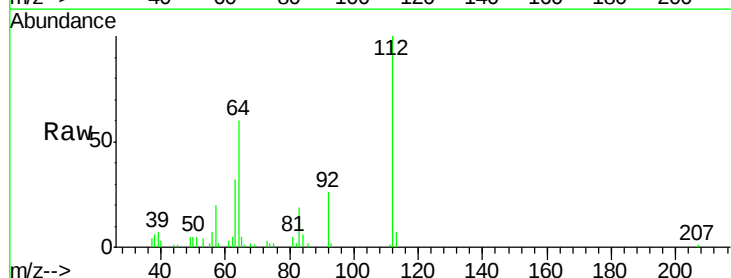


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

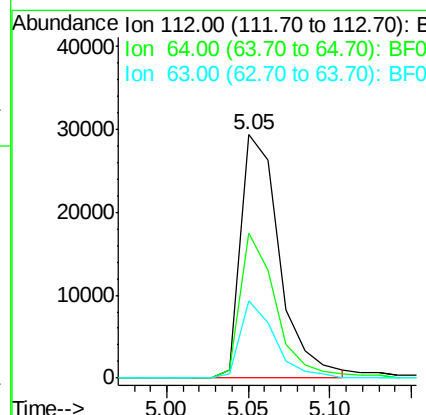
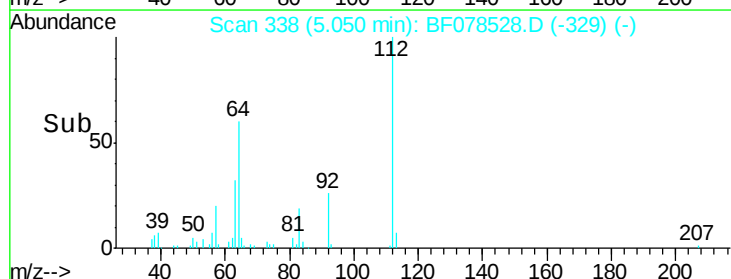


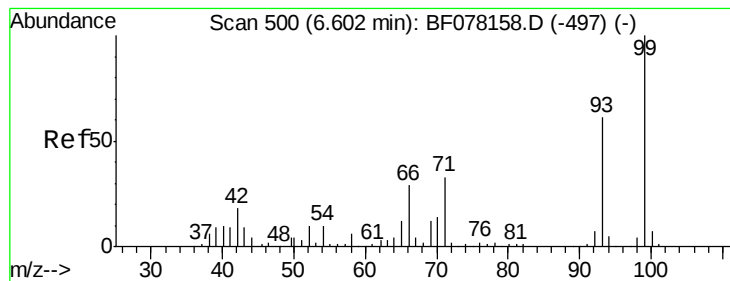
#5
 2-Fluorophenol
 Concen: 25.33 ng
 RT: 5.05 min Scan# 338
 Delta R.T. 0.00 min
 Lab File: BF078528.D
 Acq: 15 Apr 2015 7:15

Tgt Ion:112 Resp: 48439
 Ion Ratio Lower Upper
 112 100
 64 59.5 39.9 59.9
 63 31.7 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: 38.63 ng

RT: 6.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: BF078528.D

Acq: 15 Apr 2015 7:15

Instrument :

BNA_F

ClientSampled :

EP-1RE

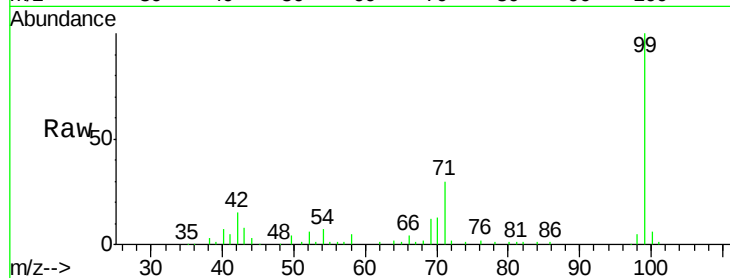
Tgt Ion: 99 Resp: 92567

Ion Ratio Lower Upper

99 100

42 15.2 14.8 22.2

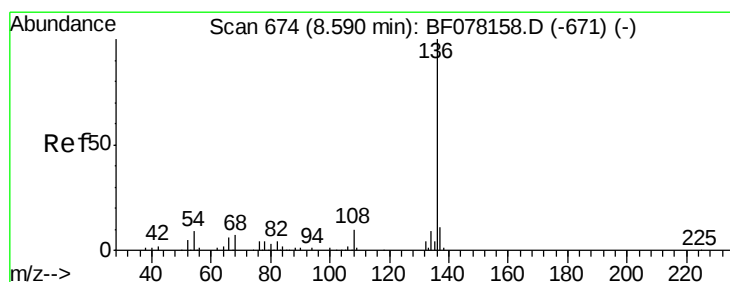
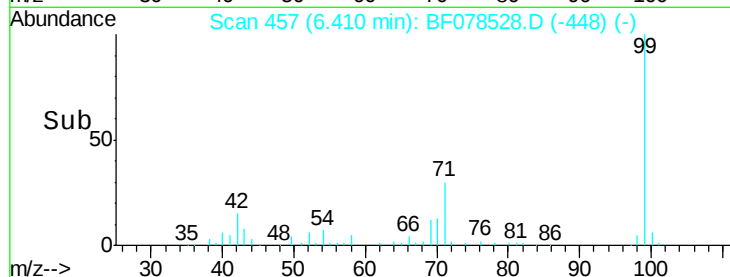
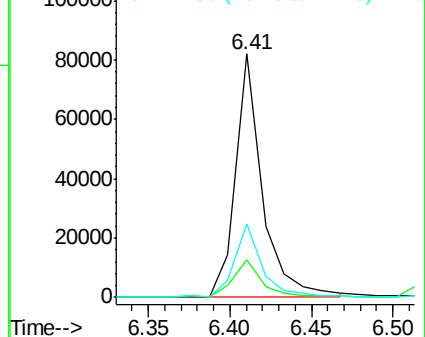
71 30.2 26.6 39.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.39 min Scan# 630

Delta R.T. 0.00 min

Lab File: BF078528.D

Acq: 15 Apr 2015 7:15

Tgt Ion: 136 Resp: 133971

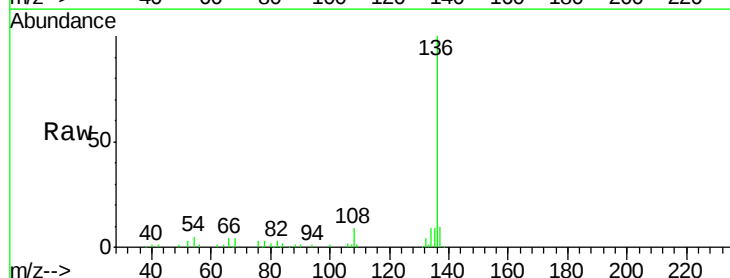
Ion Ratio Lower Upper

136 100

137 10.3 9.0 13.4

54 5.0 7.0 10.6#

68 4.2 5.4 8.2#

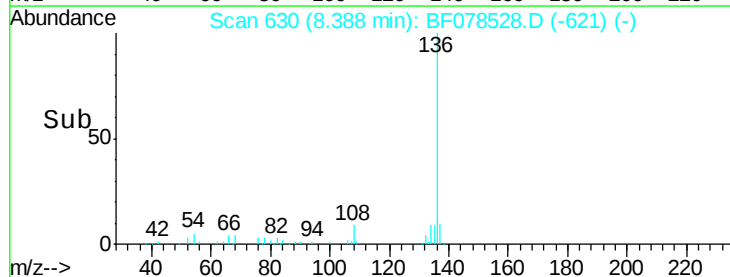
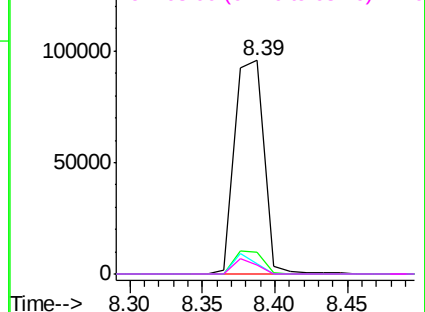


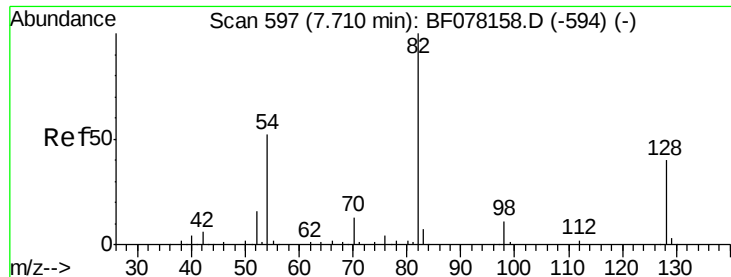
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

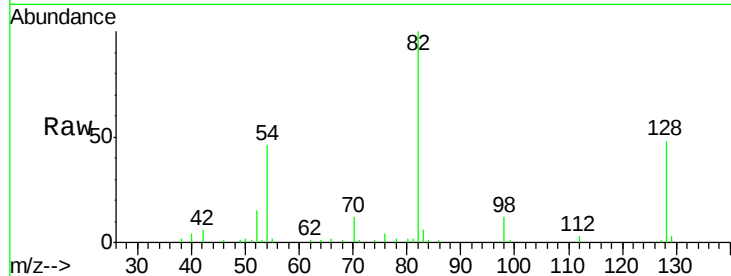




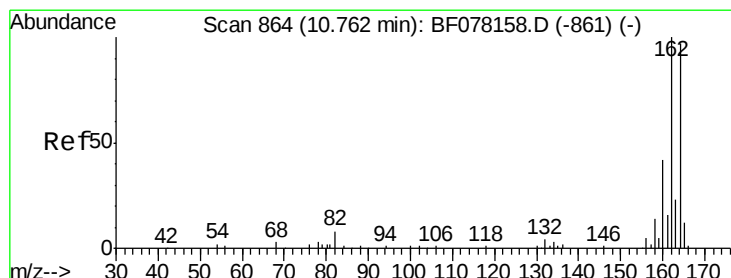
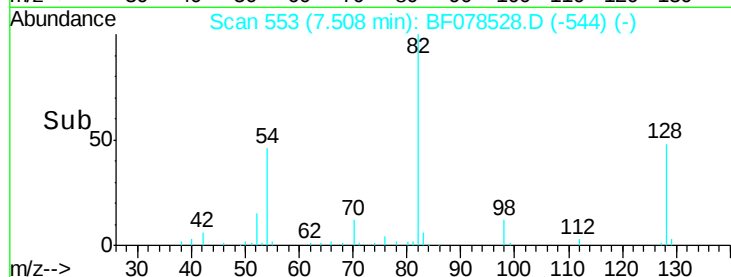
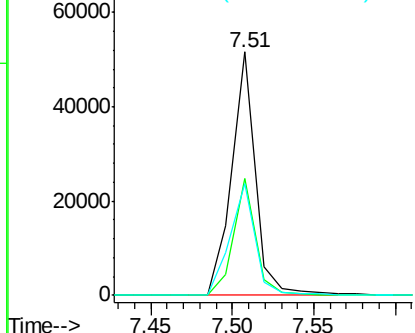
#23
 Nitrobenzene-d5
 Concen: 23.42 ng
 RT: 7.51 min Scan# 553
 Delta R.T. 0.00 min
 Lab File: BF078528.D
 Acq: 15 Apr 2015 7:15

Instrument :
 BNA_F
 ClientSampleId :
 EP-1RE

Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.0	31.8	47.8#
54	45.8	41.5	62.3

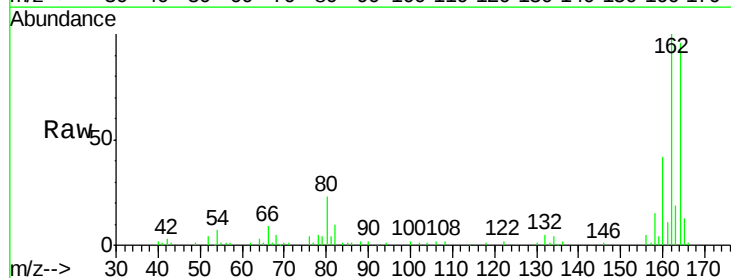


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

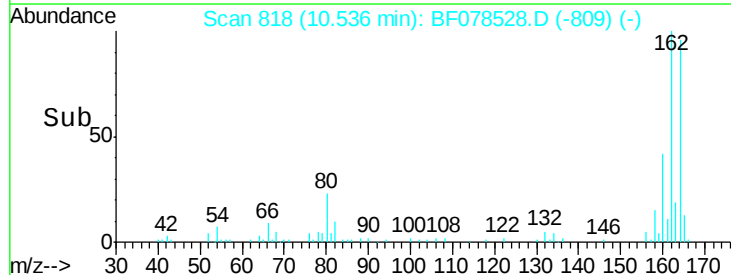
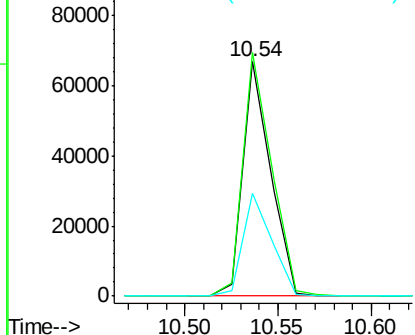


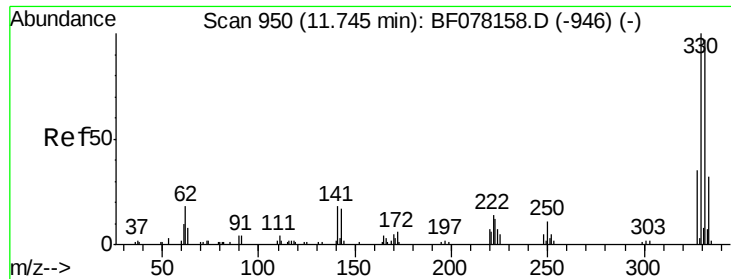
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.54 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: BF078528.D
 Acq: 15 Apr 2015 7:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.2	123.2
160	44.1	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

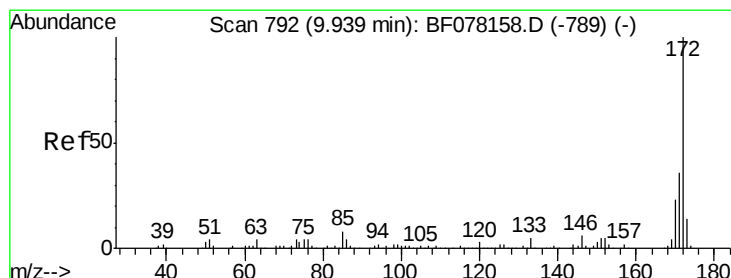
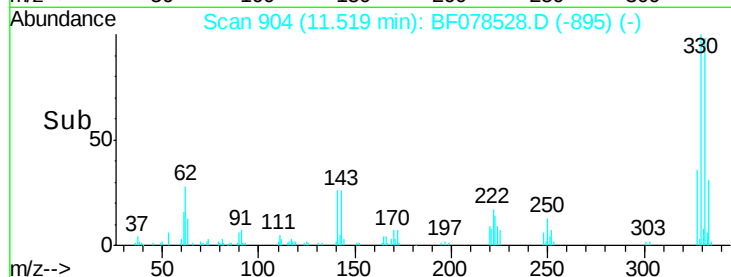
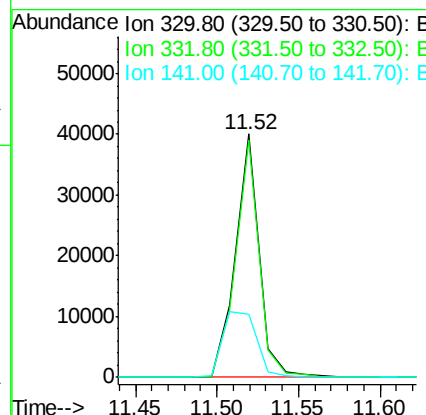
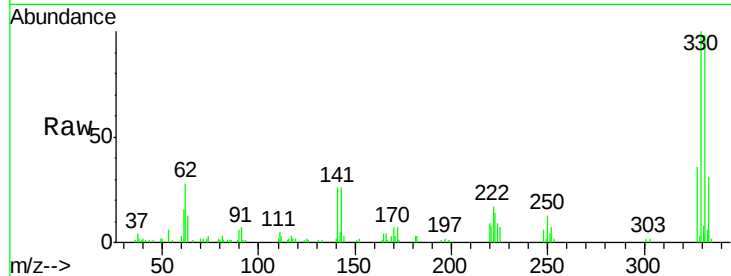




#41
 2,4,6-Tribromophenol
 Concen: 69.68 ng
 RT: 11.52 min Scan# 904
 Delta R.T. 0.00 min
 Lab File: BF078528.D
 Acq: 15 Apr 2015 7:15

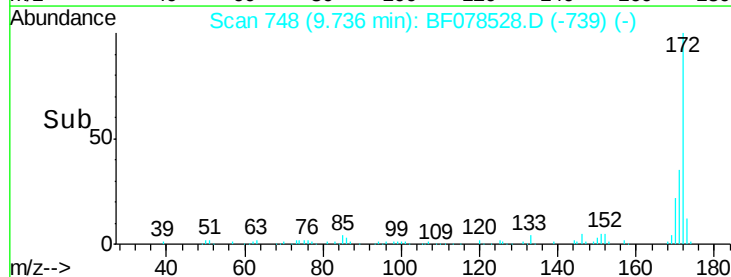
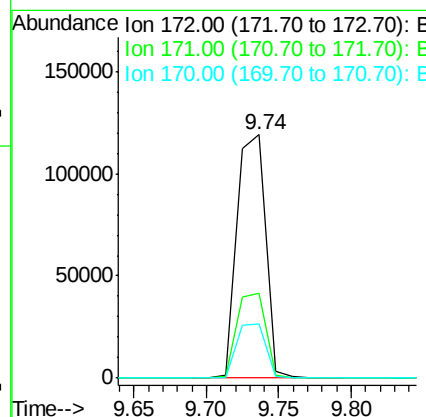
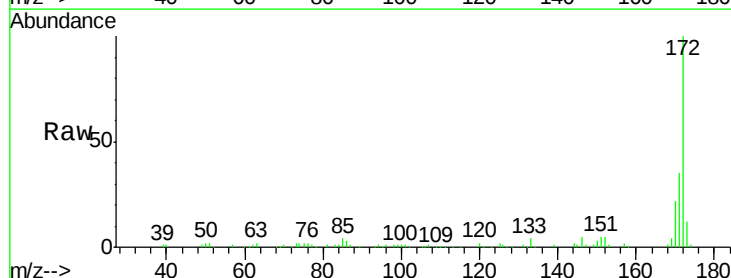
Instrument :
 BNA_F
 ClientSampled :
 EP-1RE

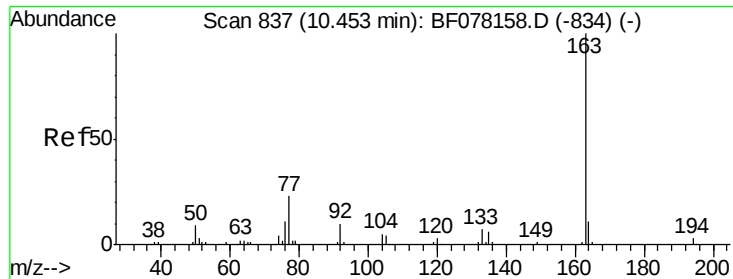
Tgt Ion:330 Resp: 39958
 Ion Ratio Lower Upper
 330 100
 332 95.8 78.6 117.8
 141 39.4 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 33.78 ng
 RT: 9.74 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BF078528.D
 Acq: 15 Apr 2015 7:15

Tgt Ion:172 Resp: 163415
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.6 42.8
 170 22.4 18.5 27.7

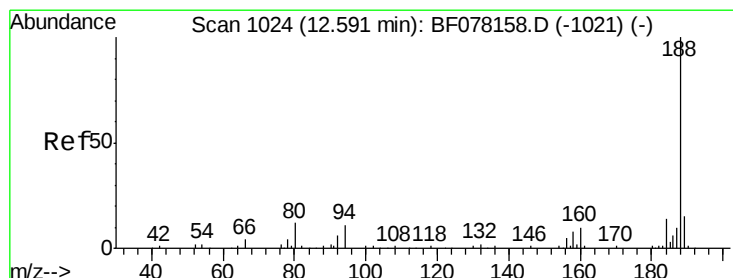
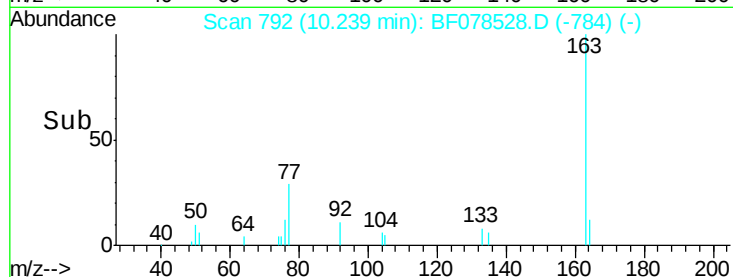
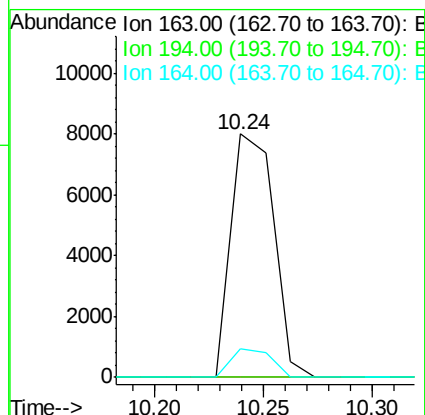
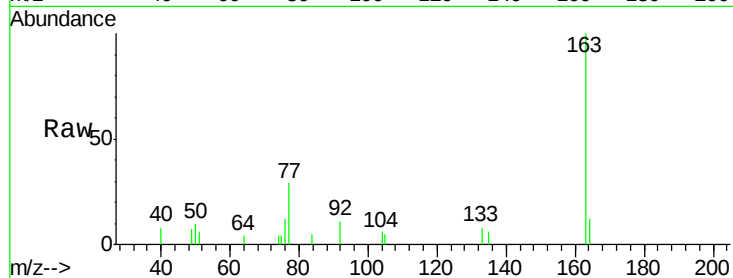




#49
Dimethylphthalate
Concen: 2.10 ng
RT: 10.24 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF078528.D
Acq: 15 Apr 2015 7:15

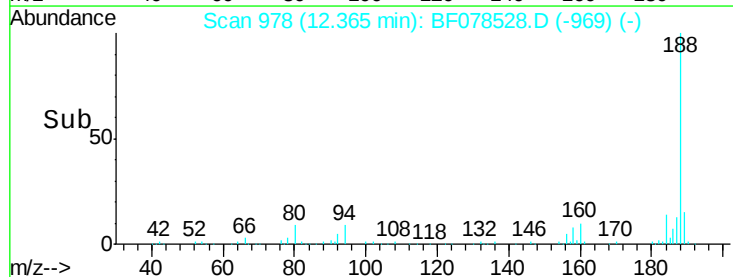
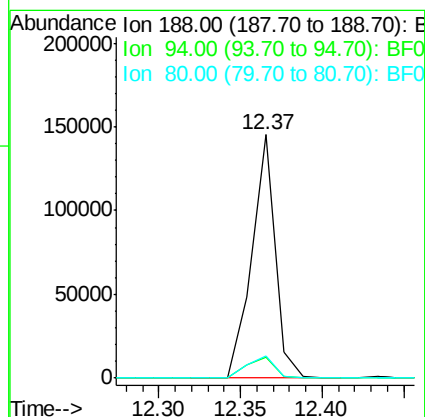
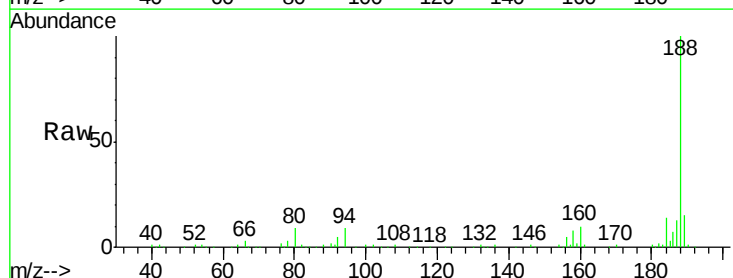
Instrument :
BNA_F
ClientSampled :
EP-1RE

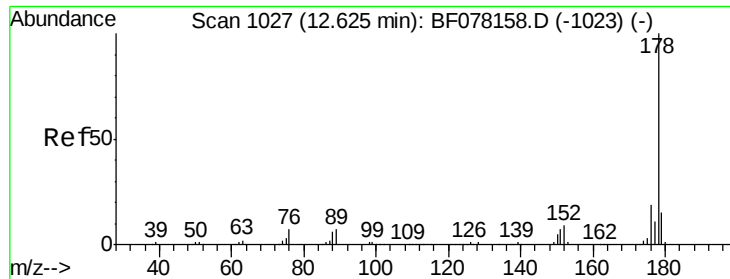
Tgt Ion:163 Resp: 10918
Ion Ratio Lower Upper
163 100
194 0.0 2.3 3.5#
164 12.0 8.6 13.0



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.37 min Scan# 978
Delta R.T. 0.00 min
Lab File: BF078528.D
Acq: 15 Apr 2015 7:15

Tgt Ion:188 Resp: 144389
Ion Ratio Lower Upper
188 100
94 8.8 9.0 13.4#
80 8.9 9.5 14.3#

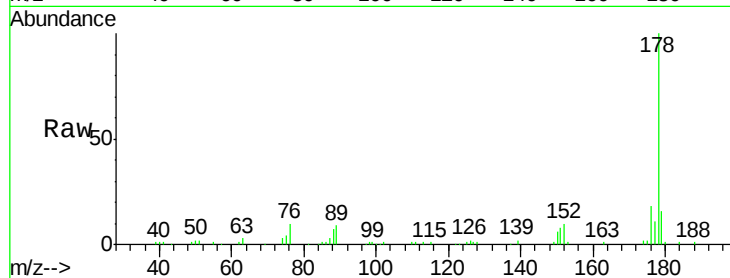




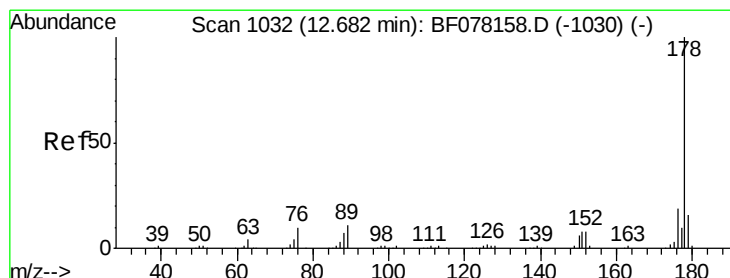
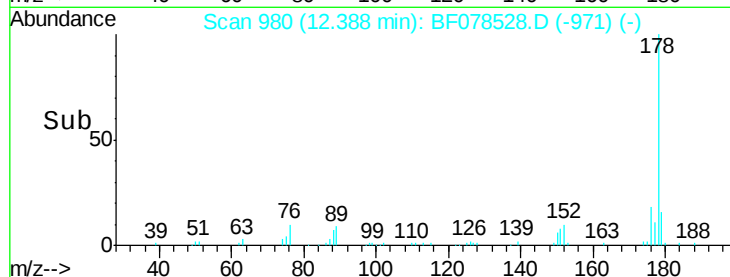
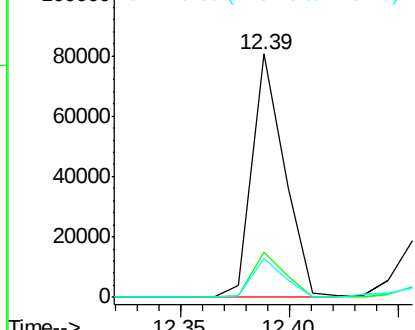
#70
Phenanthrene
Concen: 10.03 ng
RT: 12.39 min Scan# 980
Delta R.T. 0.00 min
Lab File: BF078528.D
Acq: 15 Apr 2015 7:15

Instrument :
BNA_F
ClientSampleId :
EP-1RE

Tgt Ion:178 Resp: 83791
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.0
179 16.1 12.2 18.2

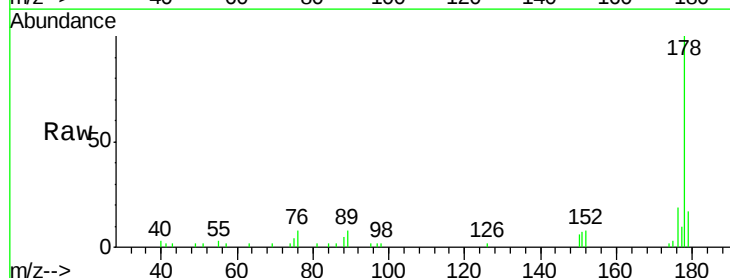


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

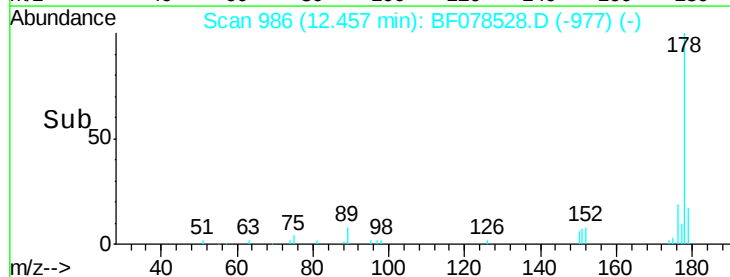
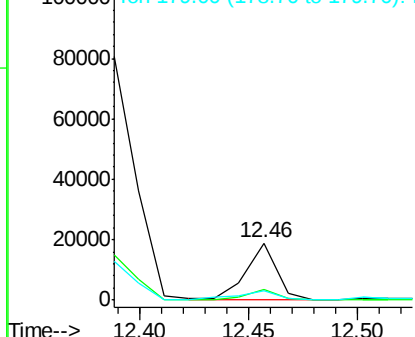


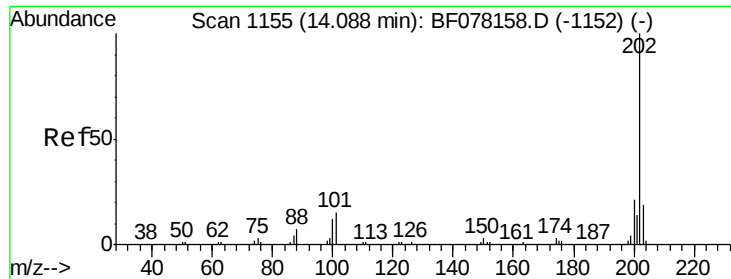
#71
Anthracene
Concen: 2.16 ng
RT: 12.46 min Scan# 986
Delta R.T. 0.00 min
Lab File: BF078528.D
Acq: 15 Apr 2015 7:15

Tgt Ion:178 Resp: 17805
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 17.3 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: 17.19 ng

RT: 13.85 min Scan# 1108

Delta R.T. 0.00 min

Lab File: BF078528.D

Acq: 15 Apr 2015 7:15

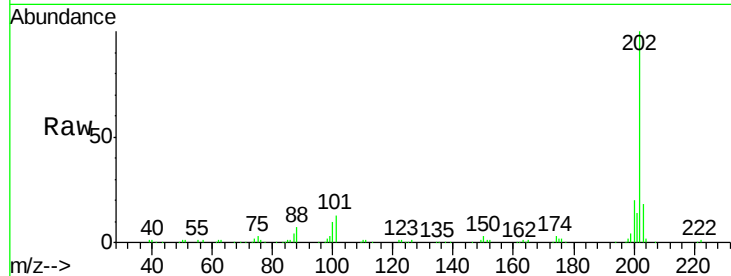
Instrument :

BNA_F

ClientSampleId :

EP-1RE

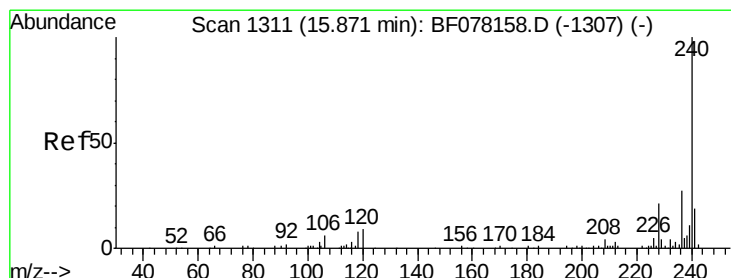
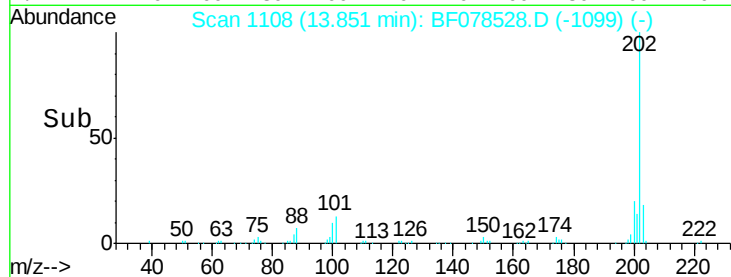
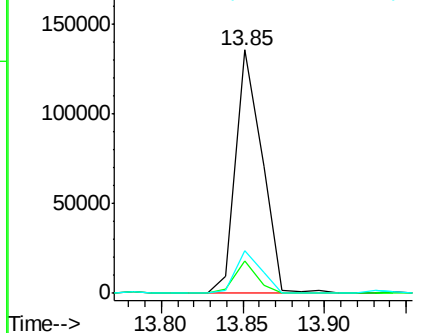
Tgt Ion:	202	Resp:	151445
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	35.2
203	17.7	0.0	38.5



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

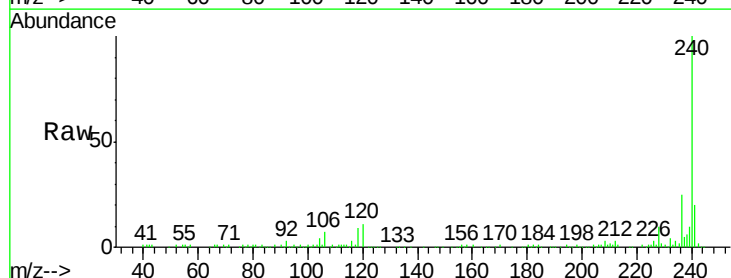
RT: 15.62 min Scan# 1263

Delta R.T. -0.03 min

Lab File: BF078528.D

Acq: 15 Apr 2015 7:15

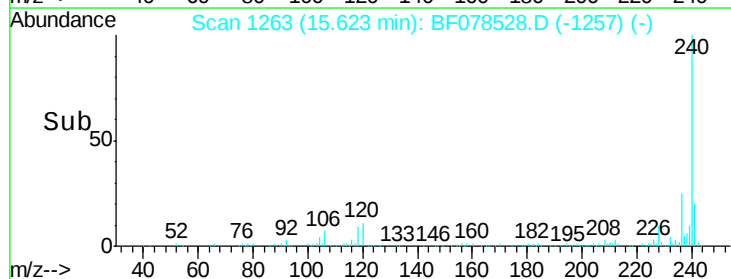
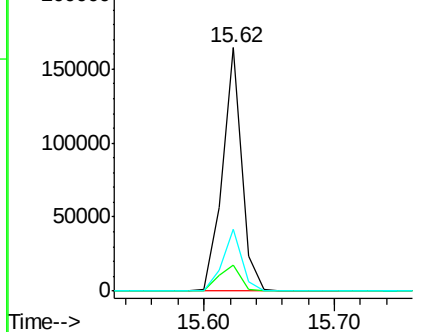
Tgt Ion:	240	Resp:	170995
Ion Ratio	Lower	Upper	
240	100		
120	10.6	7.1	10.7
236	25.4	21.4	32.2

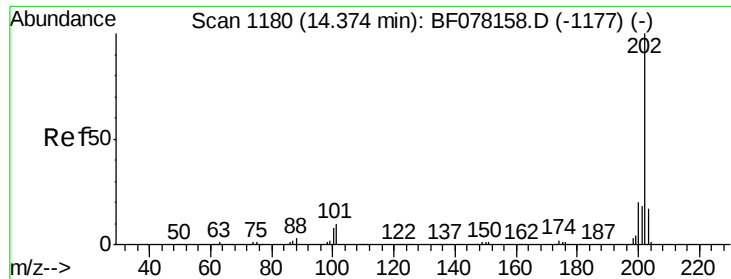


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 14.55 ng

RT: 14.13 min Scan# 1132

Delta R.T. 0.00 min

Lab File: BF078528.D

Acq: 15 Apr 2015 7:15

Instrument :

BNA_F

ClientSampleId :

EP-1RE

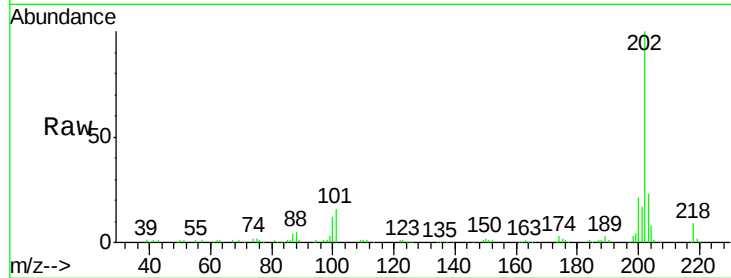
Tgt Ion:202 Resp: 156227

Ion Ratio Lower Upper

202 100

200 20.7 16.3 24.5

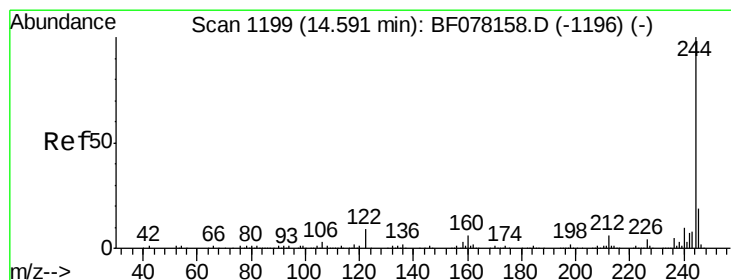
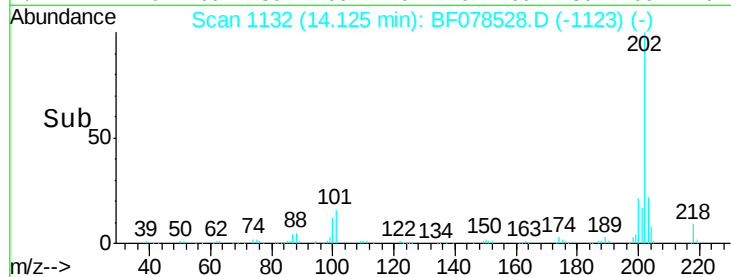
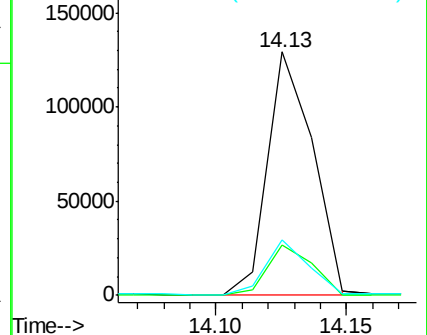
203 23.0 13.8 20.6#



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: 33.09 ng

RT: 14.35 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BF078528.D

Acq: 15 Apr 2015 7:15

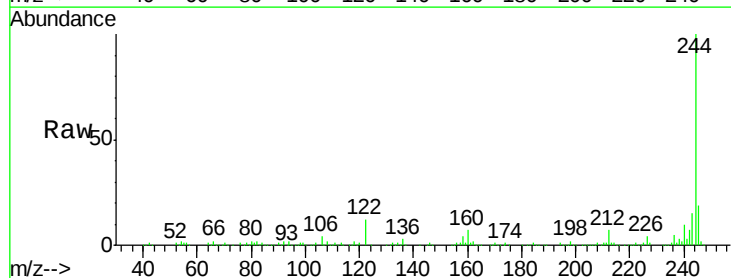
Tgt Ion:244 Resp: 250411

Ion Ratio Lower Upper

244 100

212 6.6 5.0 7.4

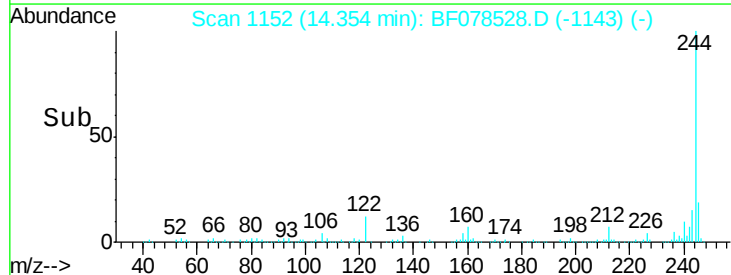
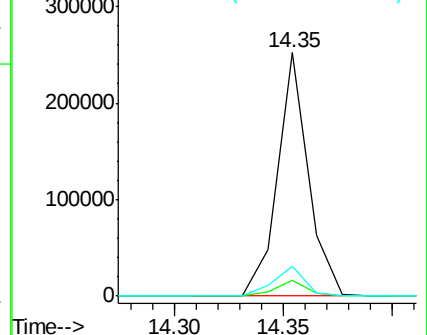
122 12.1 7.1 10.7#

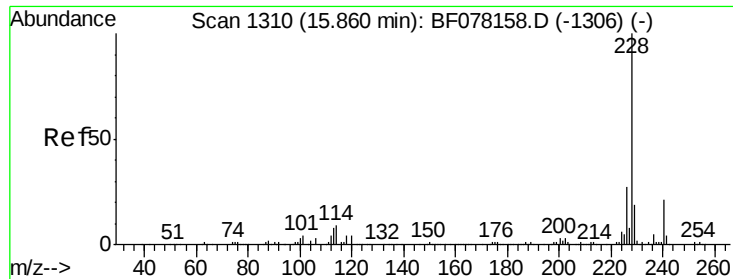


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 9.61 ng

RT: 15.61 min Scan# 1262

Delta R.T. -0.03 min

Lab File: BF078528.D

Acq: 15 Apr 2015 7:15

Instrument :

BNA_F

ClientSampleId :

EP-1RE

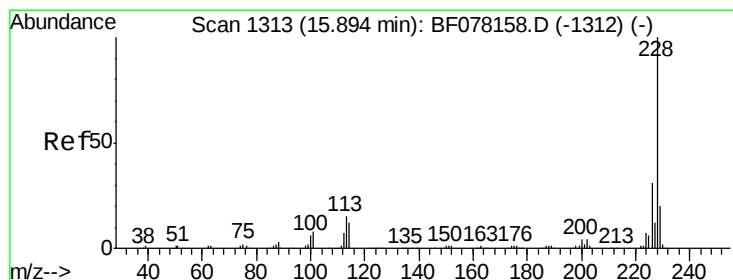
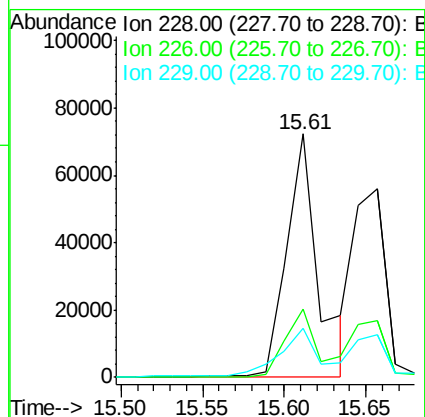
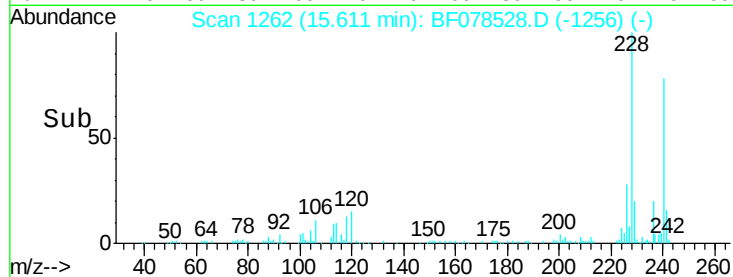
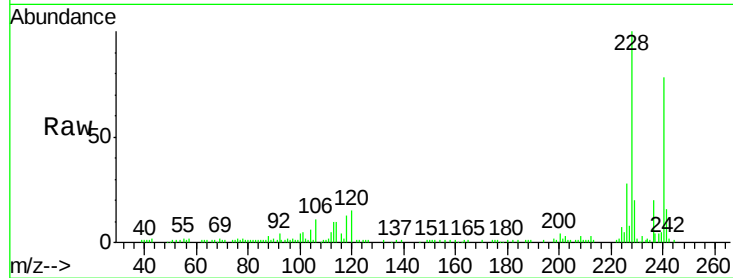
Tgt Ion:228 Resp: 97735

Ion Ratio Lower Upper

228 100

226 28.0 21.3 31.9

229 20.4 15.4 23.2



#82

Chrysene

Concen: 7.96 ng

RT: 15.66 min Scan# 1266

Delta R.T. -0.03 min

Lab File: BF078528.D

Acq: 15 Apr 2015 7:15

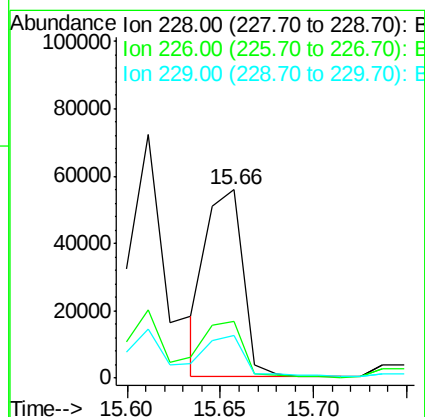
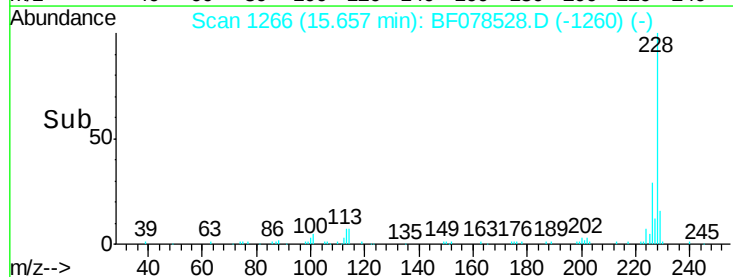
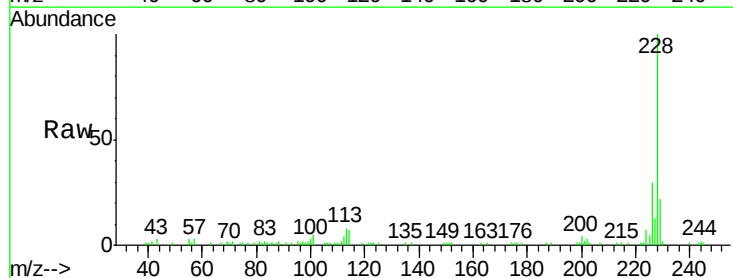
Tgt Ion:228 Resp: 76118

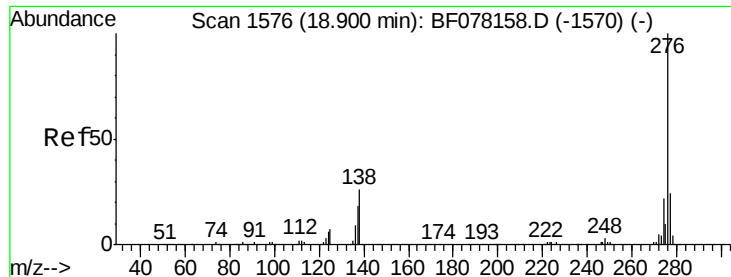
Ion Ratio Lower Upper

228 100

226 30.4 24.2 36.4

229 22.4 15.8 23.8





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.79 ng

RT: 18.53 min Scan# 1517

Delta R.T. -0.29 min

Lab File: BF078528.D

Acq: 15 Apr 2015 7:15

Instrument :

BNA_F

ClientSampleId :

EP-1RE

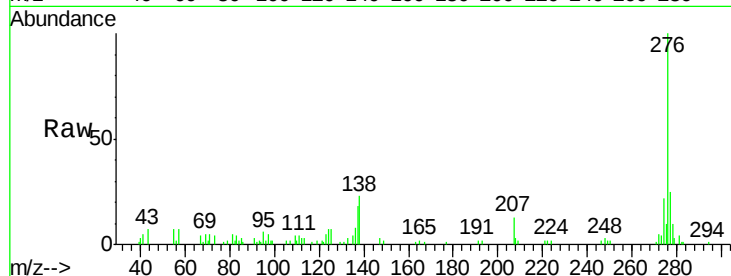
Tgt Ion:276 Resp: 41121

Ion Ratio Lower Upper

276 100

138 23.8 16.9 25.3

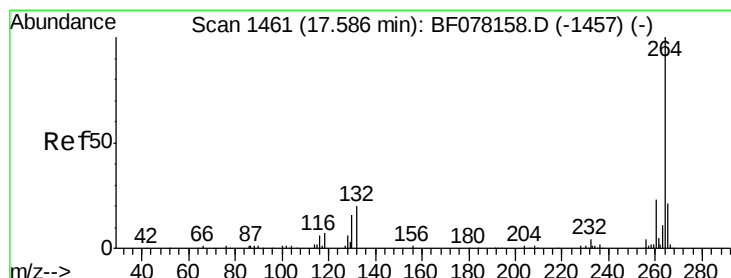
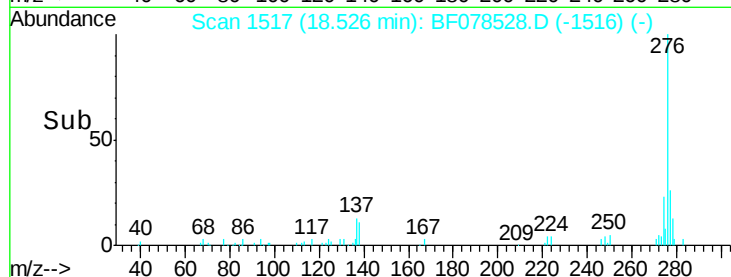
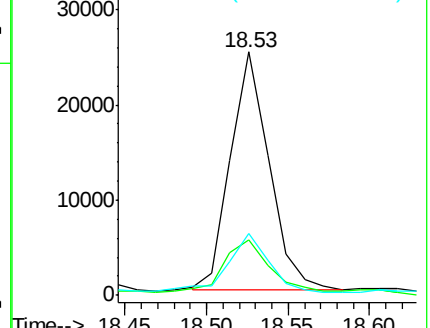
277 23.3 15.8 23.6



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: 17.31 min Scan# 1411

Delta R.T. -0.17 min

Lab File: BF078528.D

Acq: 15 Apr 2015 7:15

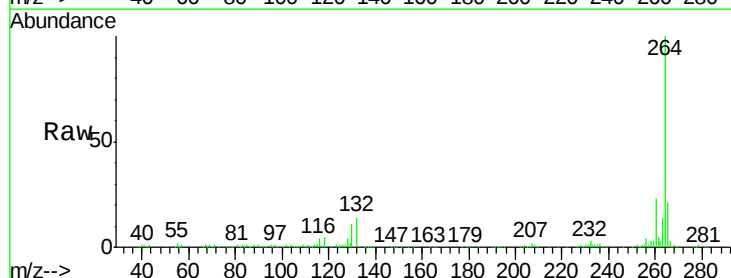
Tgt Ion:264 Resp: 172523

Ion Ratio Lower Upper

264 100

260 23.4 18.6 27.8

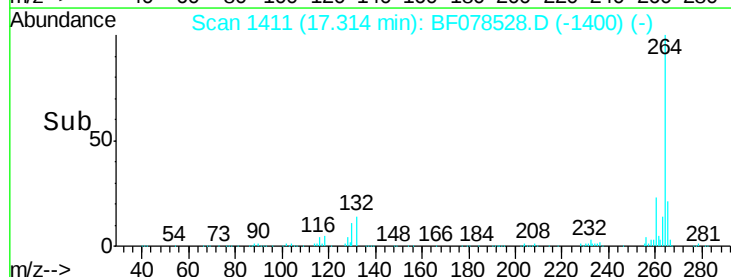
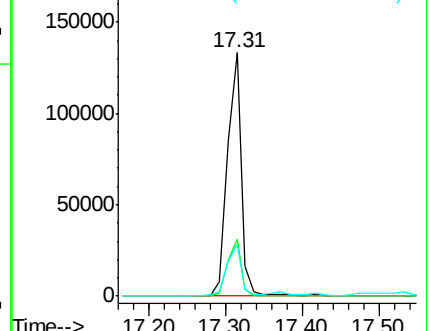
265 21.2 17.0 25.6

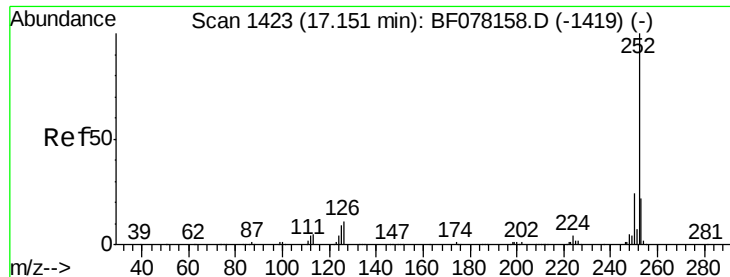


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

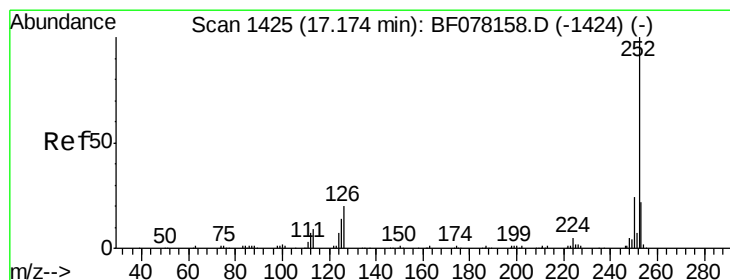
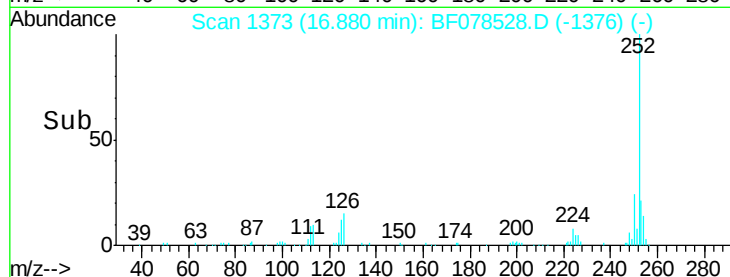
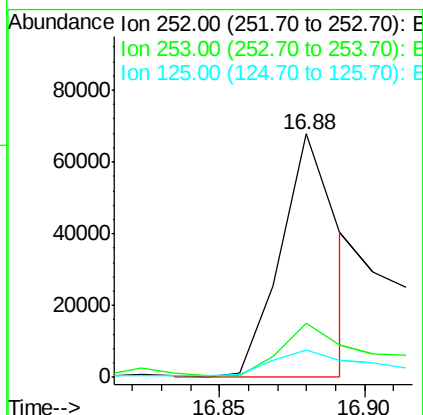
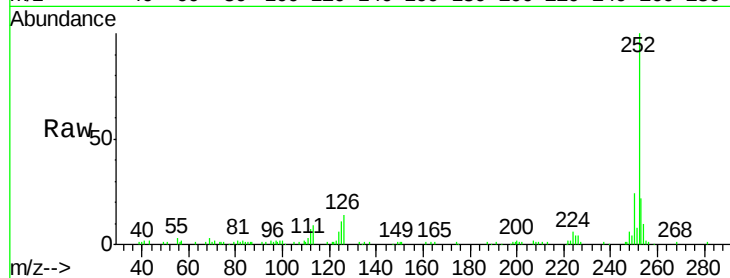




#87
Benzo(b)fluoranthene
Concen: 8.69 ng m
RT: 16.88 min Scan# 1373
Delta R.T. -0.14 min
Lab File: BF078528.D
Acq: 15 Apr 2015 7:15

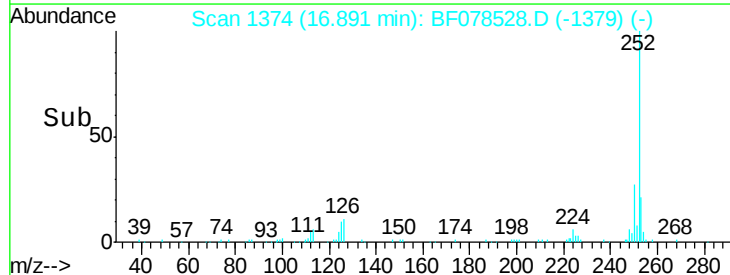
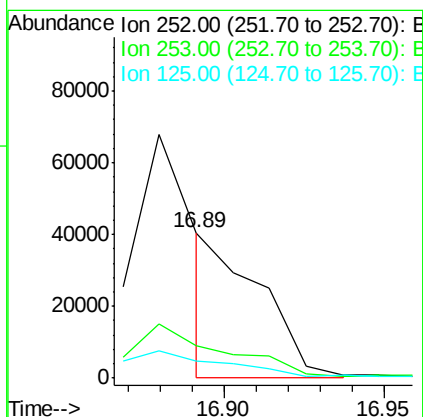
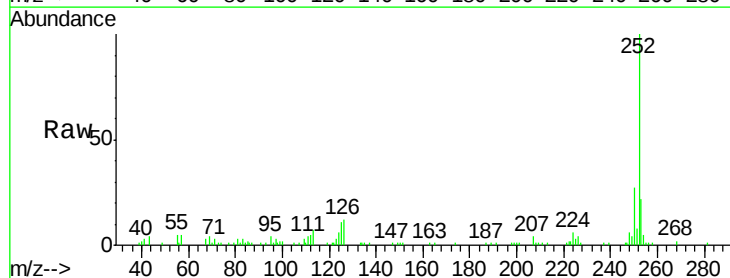
Instrument :
BNA_F
ClientSampleId :
EP-1RE

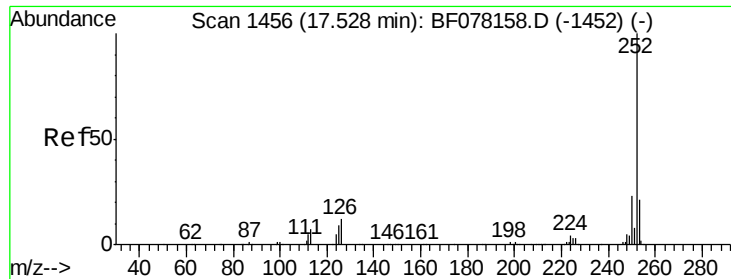
Tgt Ion: 252 Resp: 92632
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 11.5 7.0 10.4#



#88
Benzo(k)fluoranthene
Concen: 4.22 ng m
RT: 16.89 min Scan# 1374
Delta R.T. -0.16 min
Lab File: BF078528.D
Acq: 15 Apr 2015 7:15

Tgt Ion: 252 Resp: 39992
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 11.5 11.6 17.4#





#89

Benzo(a)pyrene

Concen: 7.57 ng

RT: 17.25 min Scan# 1405

Delta R.T. -0.17 min

Lab File: BF078528.D

Acq: 15 Apr 2015 7:15

Instrument :

BNA_F

ClientSampleId :

EP-1RE

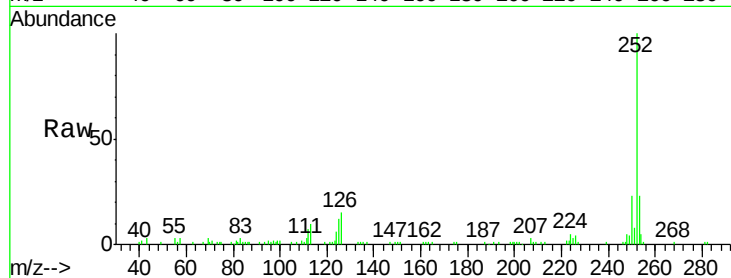
Tgt Ion:252 Resp: 70484

Ion Ratio Lower Upper

252 100

253 22.6 16.8 25.2

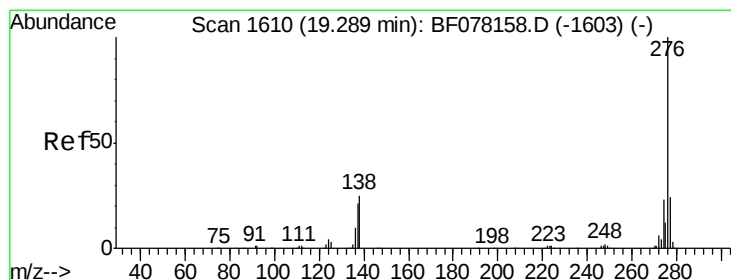
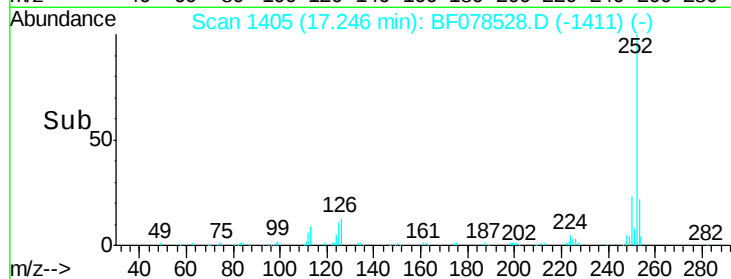
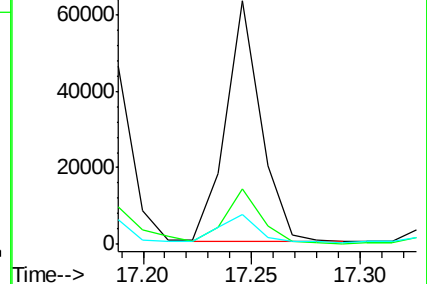
125 12.3 7.4 11.0#



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



#91

Benzo(g,h,i)perylene

Concen: 4.57 ng m

RT: 18.87 min Scan# 1547

Delta R.T. -0.29 min

Lab File: BF078528.D

Acq: 15 Apr 2015 7:15

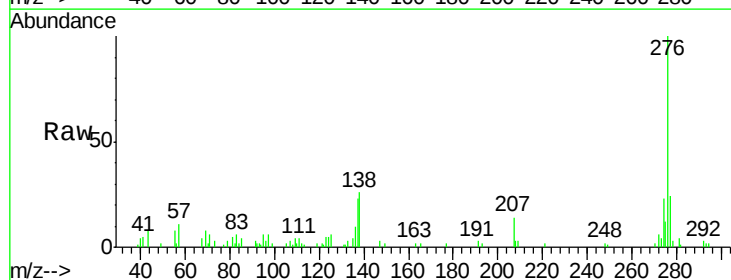
Tgt Ion:276 Resp: 42681

Ion Ratio Lower Upper

276 100

277 24.5 19.0 28.4

138 26.5 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

