

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 06:53:24 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

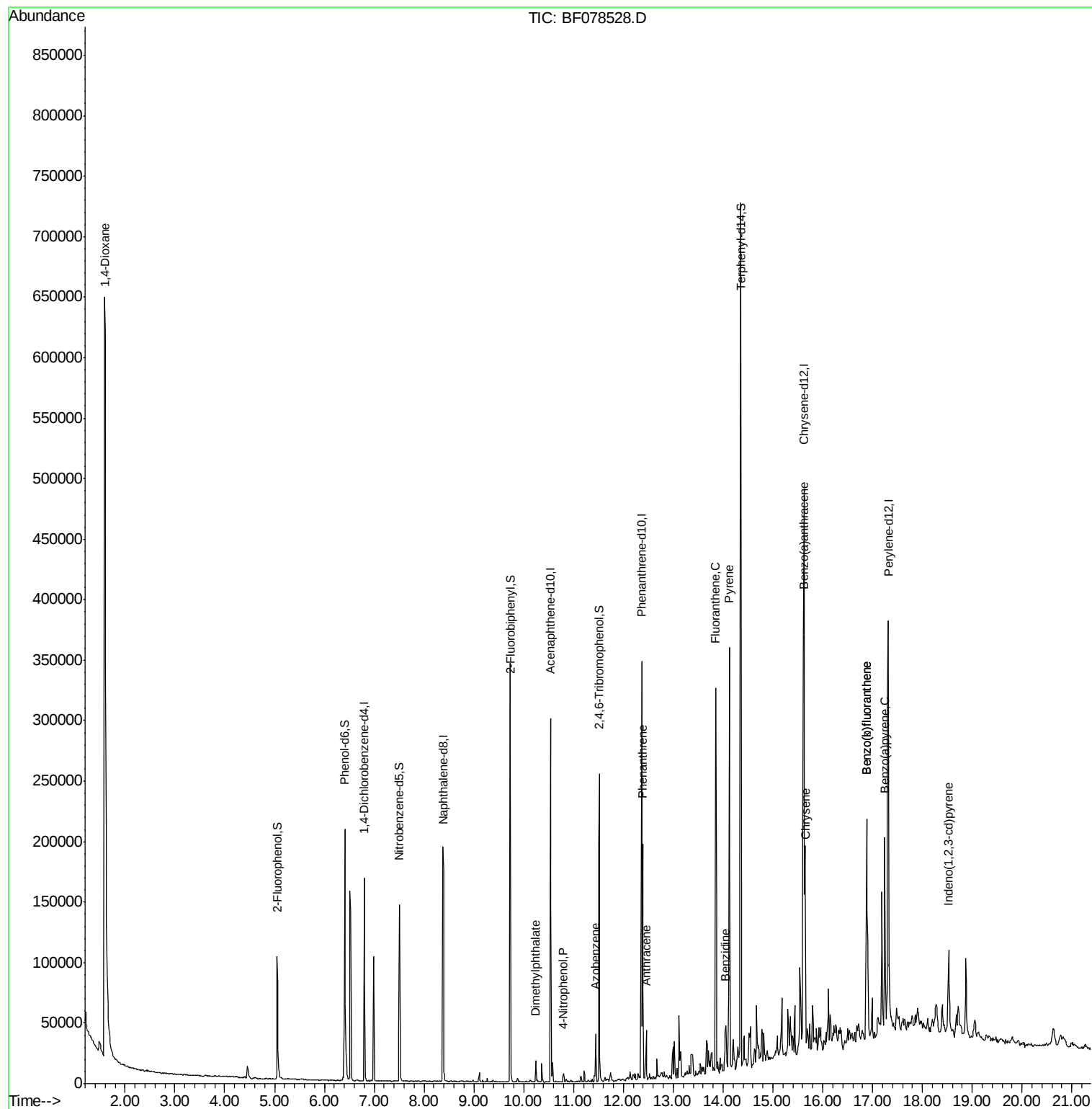
Target Compounds						Qvalue
2) 1,4-Dioxane	1.60	88	31543	36.48	ng	# 26
49) Dimethylphthalate	10.24	163	10918	2.10	ng	# 96
55) 4-Nitrophenol	10.80	139	1421	4.30	ng	# 18
62) Azobenzene	11.44	77	9760	2.14	ng	# 1
70) Phenanthrene	12.39	178	83791	10.03	ng	98
71) Anthracene	12.46	178	17805	2.16	ng	98
74) Fluoranthene	13.85	202	151445	17.19	ng	97
76) Benzidine	14.06	184	27053	4.11	ng	99
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	112646	10.56	ng	# 96
88) Benzo(k)fluoranthene	16.88	252	132617	14.00	ng	# 96
89) Benzo(a)pyrene	17.25	252	70484	7.57	ng	# 95

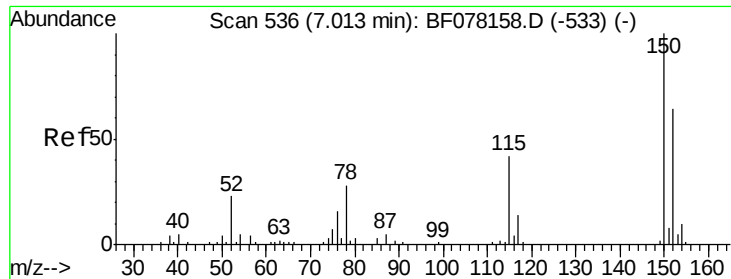
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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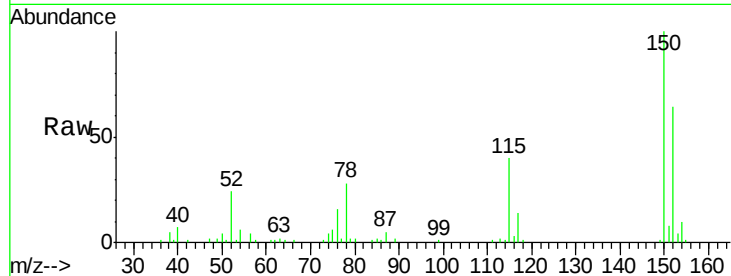




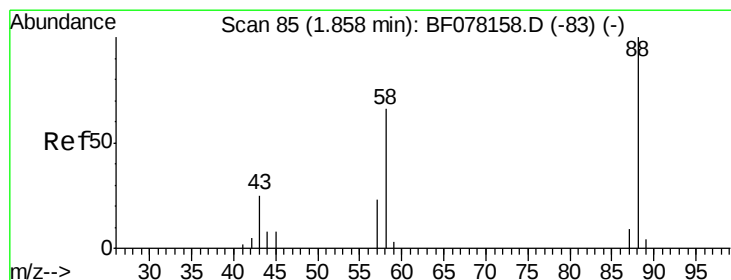
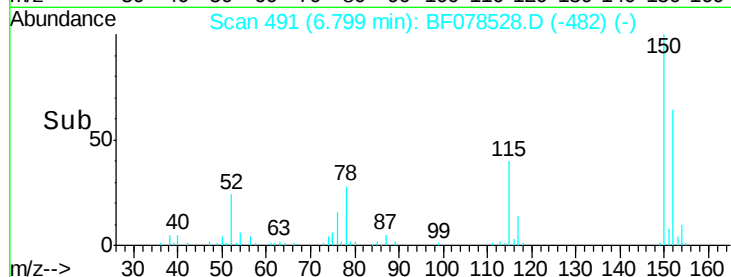
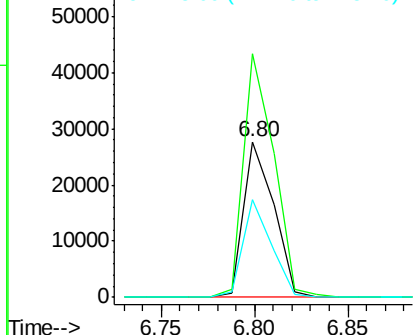
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 491
 Delta R.T. 0.00 min
 Lab File: BF078528.D
 Acq: 15 Apr 2015 7:15

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

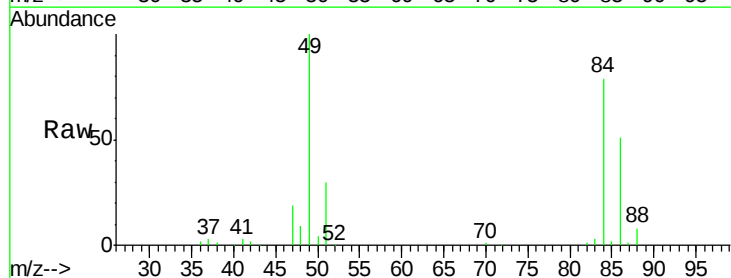


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

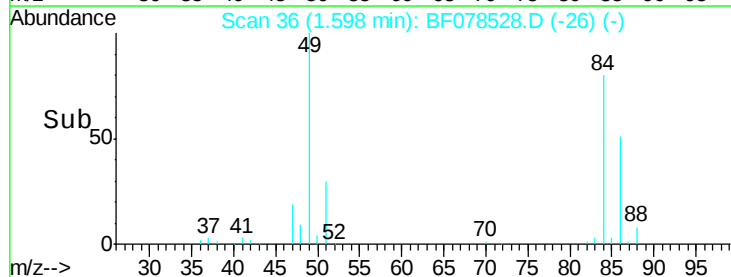
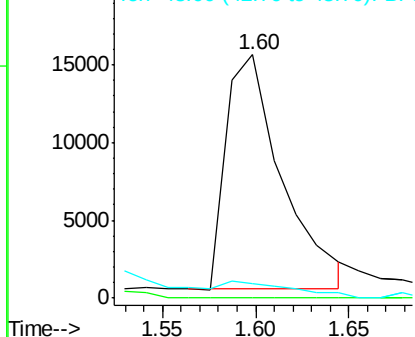


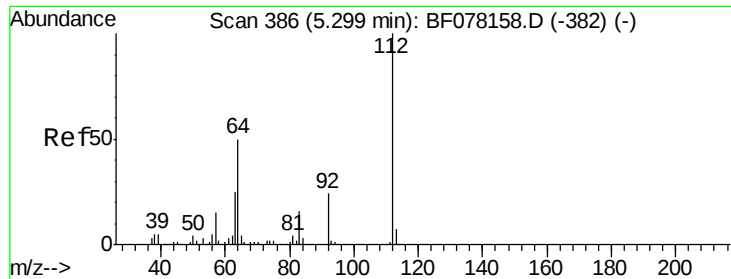
#2
 1,4-Dioxane
 Concen: 36.48 ng
 RT: 1.60 min Scan# 36
 Delta R.T. 0.01 min
 Lab File: BF078528.D
 Acq: 15 Apr 2015 7:15

Tgt Ion: 88 Resp: 31543
 Ion Ratio Lower Upper
 88 100
 58 0.0 56.9 85.3#
 43 4.3 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: 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

Instrument :

BNA_F

ClientSampleId :

EP-1RE

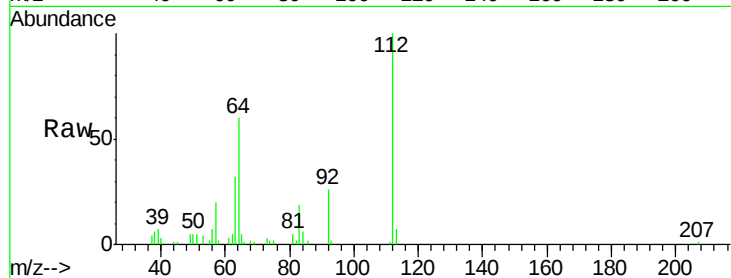
Tgt Ion: 112 Resp: 48439

Ion Ratio Lower Upper

112 100

64 59.5 39.9 59.9

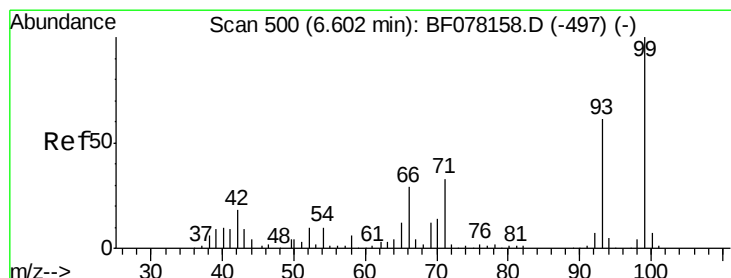
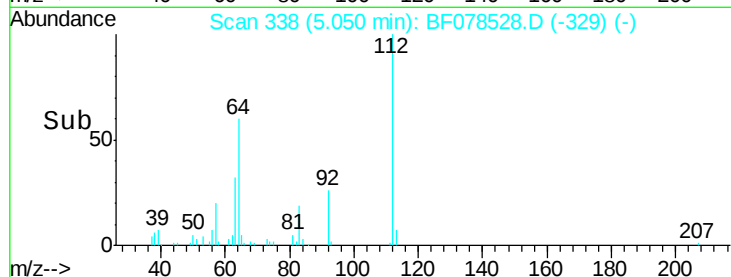
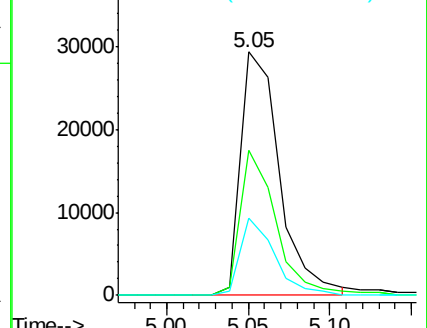
63 31.7 20.2 30.4#



Abundance Ion 112.00 (111.70 to 112.70): B

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

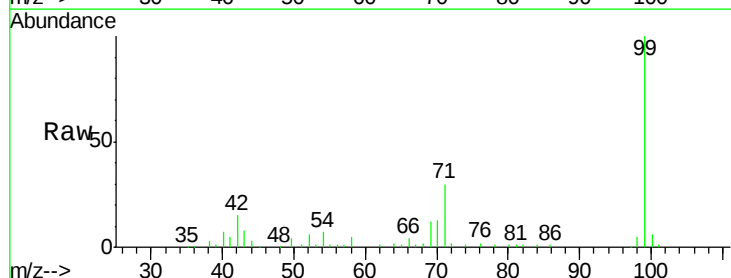
Tgt Ion: 99 Resp: 92567

Ion Ratio Lower Upper

99 100

42 15.2 14.8 22.2

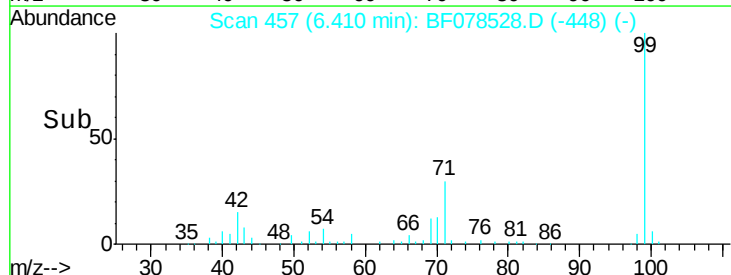
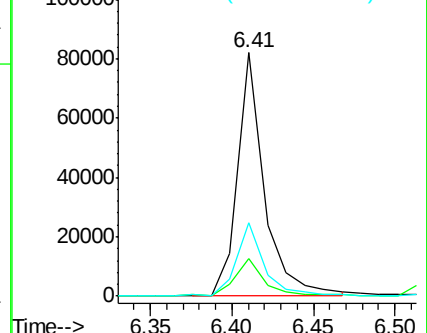
71 30.2 26.6 39.8

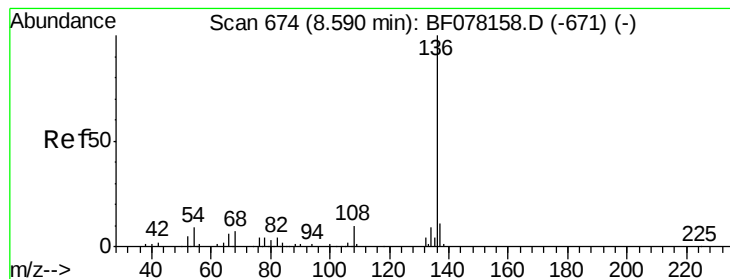


Abundance Ion 99.00 (98.70 to 99.70): BF0

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

Instrument :

BNA_F

ClientSampleId :

EP-1RE

Tgt Ion:136 Resp: 133971

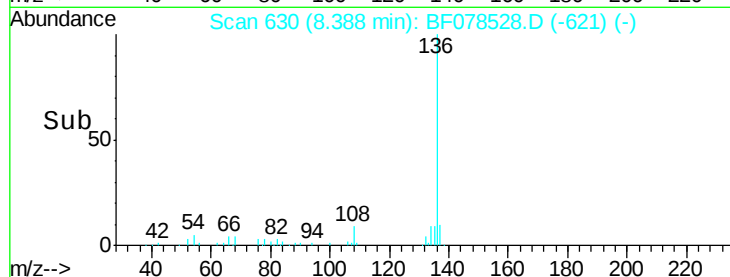
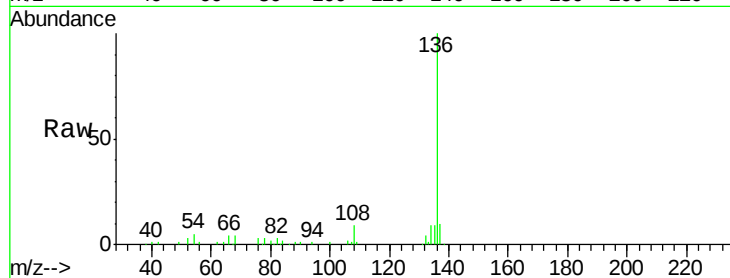
Ion Ratio Lower Upper

136 100

137 10.3 9.0 13.4

54 5.0 7.0 10.6#

68 4.2 5.4 8.2#

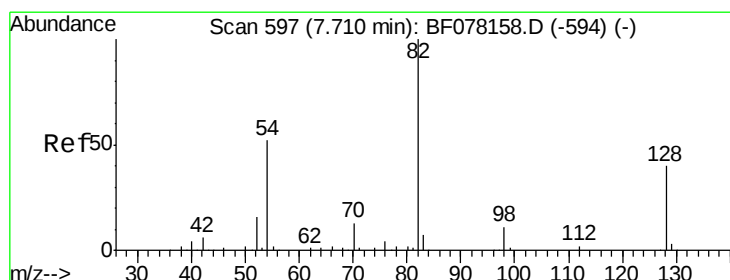
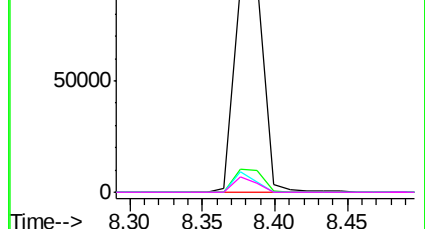


Abundance Ion 136.00 (135.70 to 136.70): E

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

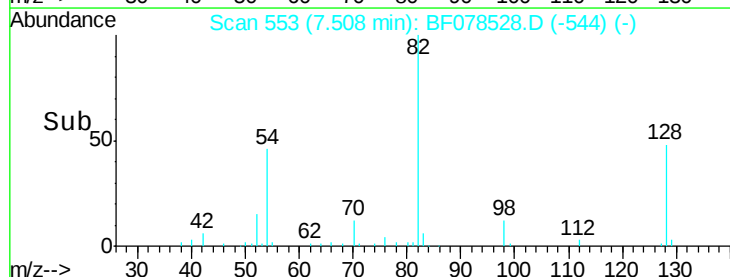
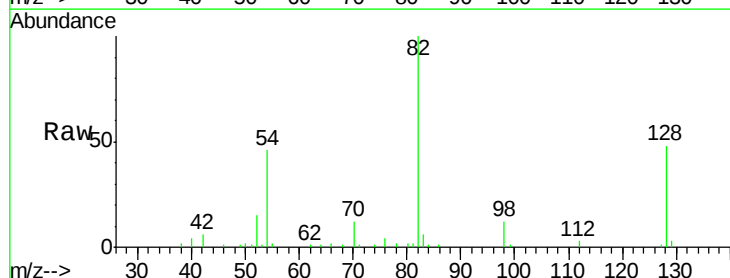
Tgt Ion: 82 Resp: 51766

Ion Ratio Lower Upper

82 100

128 48.0 31.8 47.8#

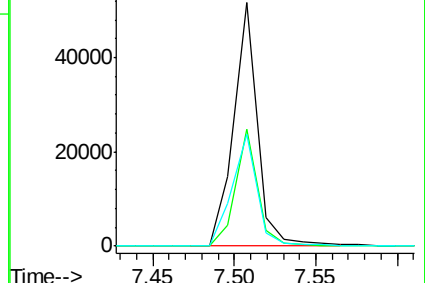
54 45.8 41.5 62.3

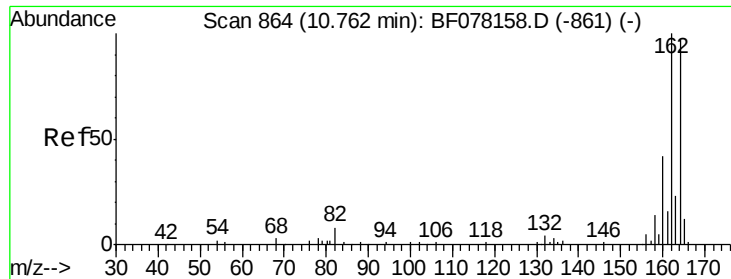


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.54 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF078528.D

Acq: 15 Apr 2015 7:15

Instrument :

BNA_F

ClientSampleId :

EP-1RE

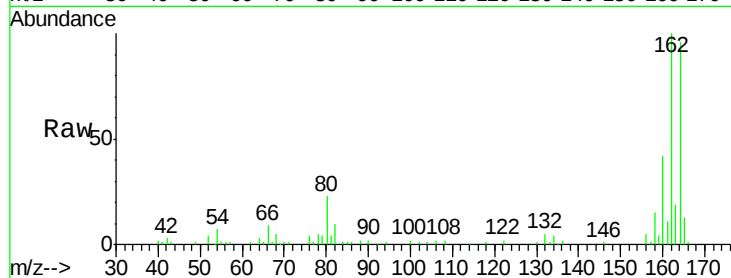
Tgt Ion:164 Resp: 69141

Ion Ratio Lower Upper

164 100

162 104.0 82.2 123.2

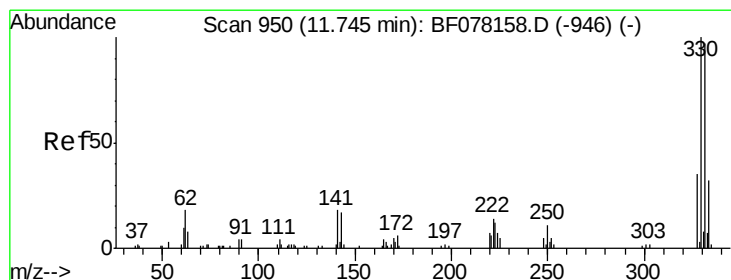
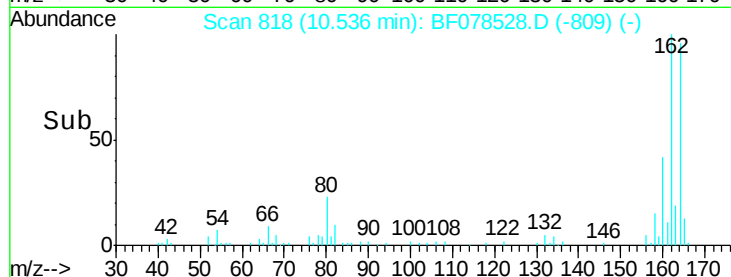
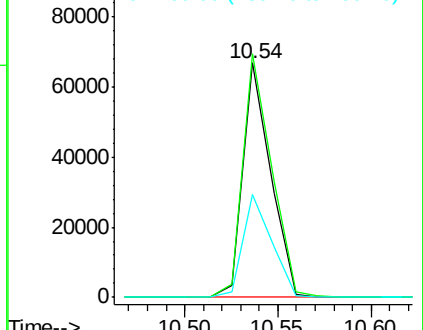
160 44.1 34.7 52.1



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

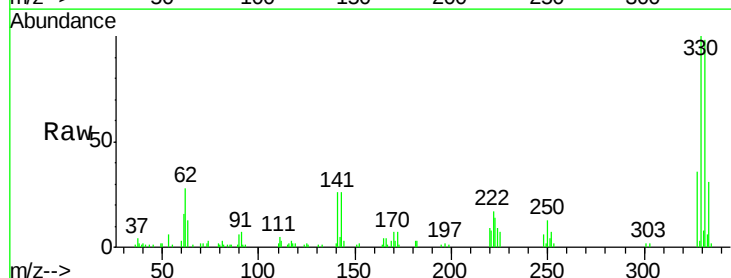
Tgt Ion:330 Resp: 39958

Ion Ratio Lower Upper

330 100

332 95.8 78.6 117.8

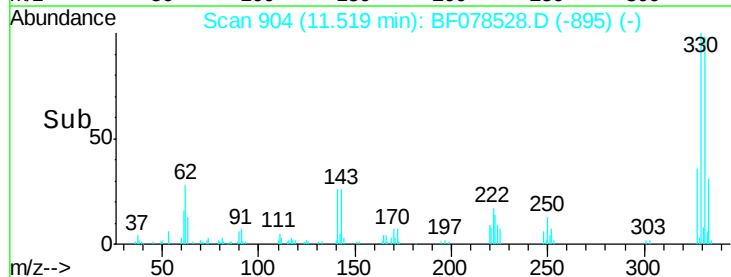
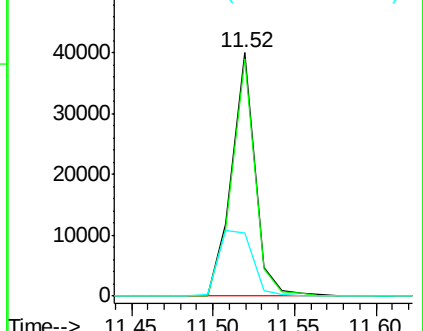
141 39.4 31.2 46.8

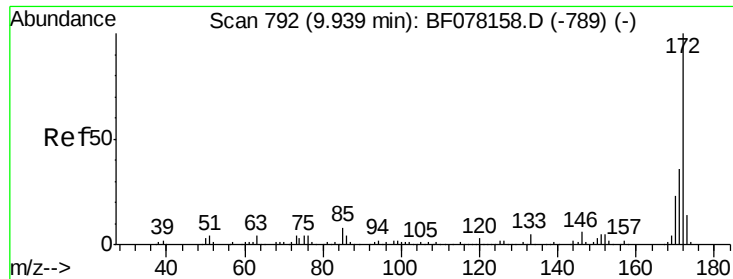


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

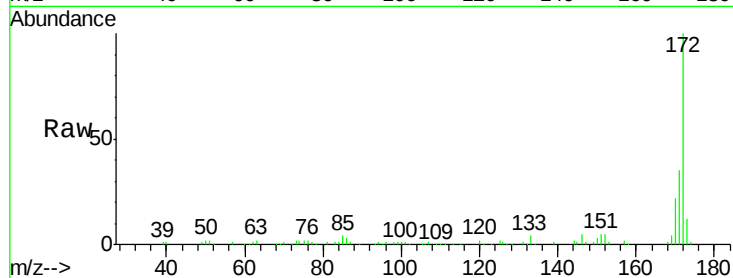




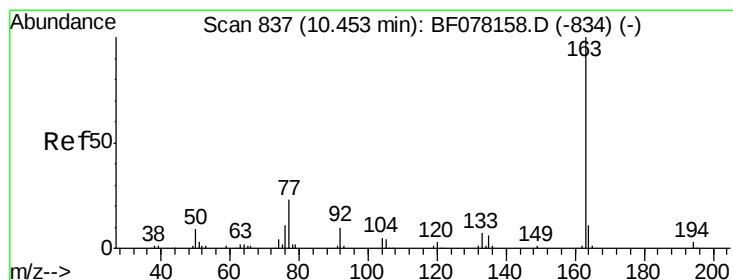
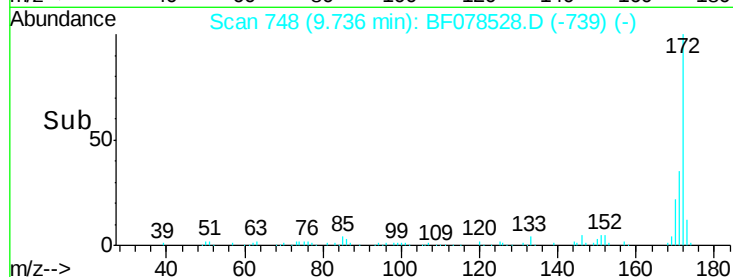
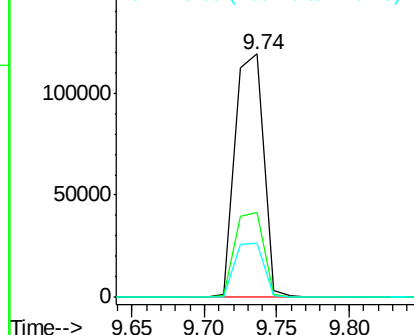
#44
 2-Fluorobiphenyl
 Concen: 33.78 ng
 RT: 9.74 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BF078528.D
 Acq: 15 Apr 2015 7:15

Instrument :
 BNA_F
 ClientSampleId :
 EP-1RE

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

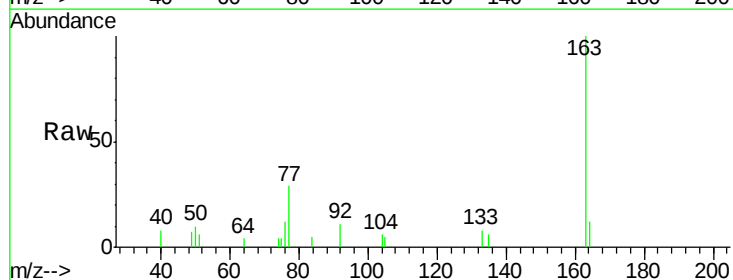


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

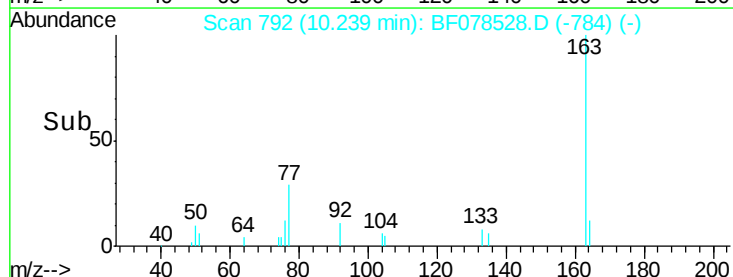
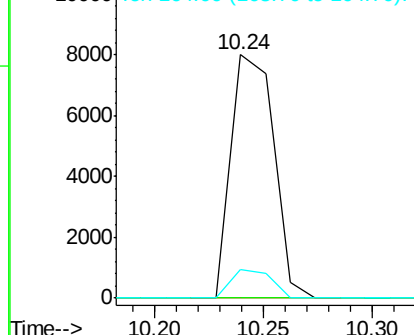


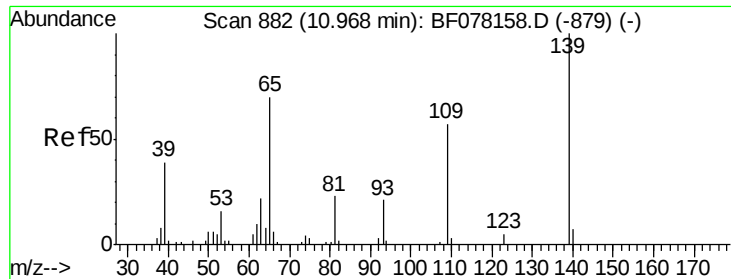
#49
 Dimethylphthalate
 Concen: 2.10 ng
 RT: 10.24 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BF078528.D
 Acq: 15 Apr 2015 7:15

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



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

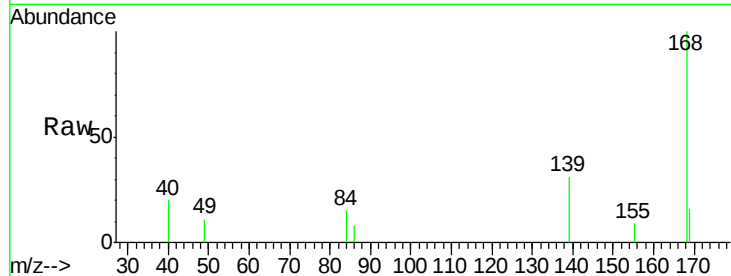




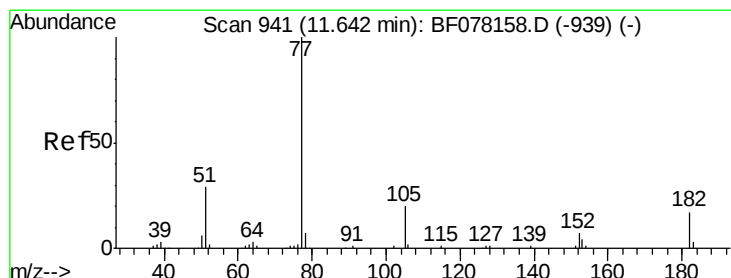
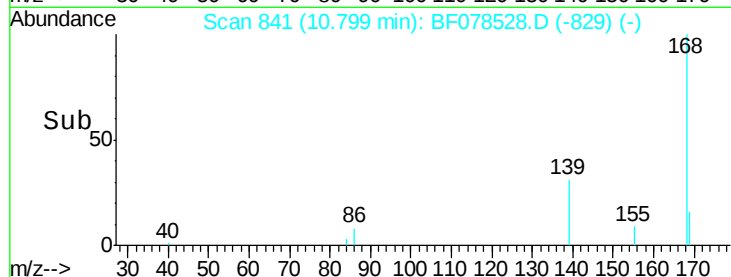
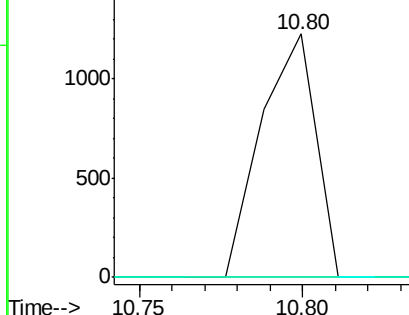
#55
4-Nitrophenol
Concen: 4.30 ng
RT: 10.80 min Scan# 841
Delta R.T. 0.03 min
Lab File: BF078528.D
Acq: 15 Apr 2015 7:15

Instrument :
BNA_F
ClientSampleId :
EP-1RE

Tgt Ion: 139 Resp: 1421
Ion Ratio Lower Upper
139 100
109 0.0 36.7 76.7#
65 0.0 49.9 89.9#

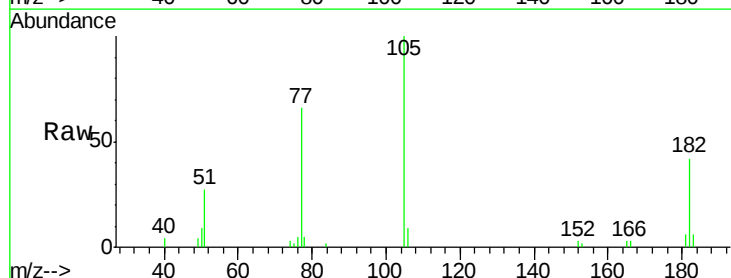


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

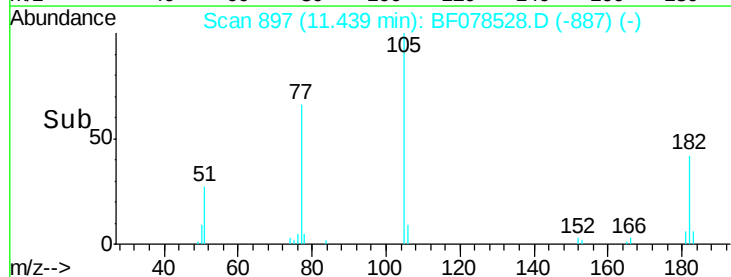
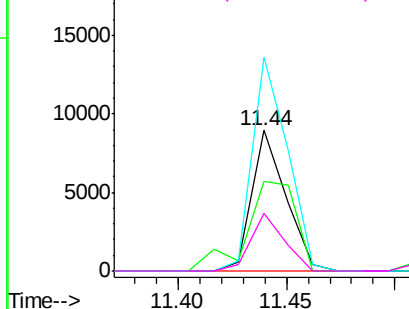


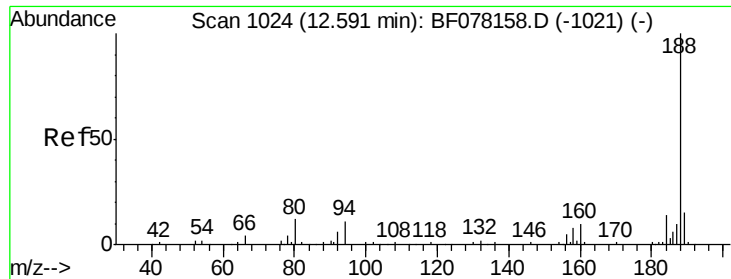
#62
Azobenzene
Concen: 2.14 ng
RT: 11.44 min Scan# 897
Delta R.T. 0.01 min
Lab File: BF078528.D
Acq: 15 Apr 2015 7:15

Tgt Ion: 77 Resp: 9760
Ion Ratio Lower Upper
77 100
182 64.2 0.0 36.8#
105 152.1 0.3 40.3#
51 40.9 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

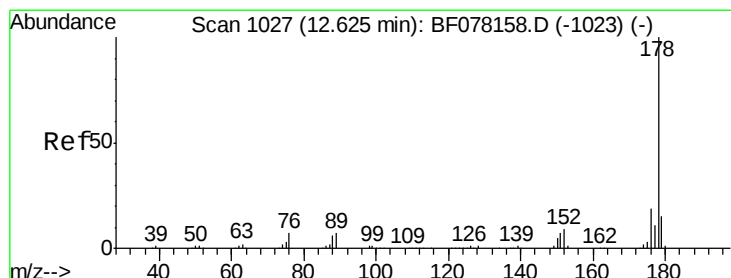
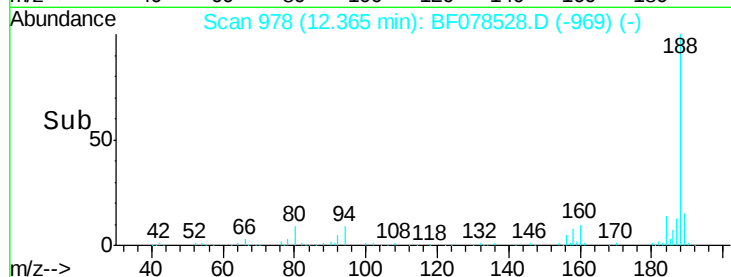
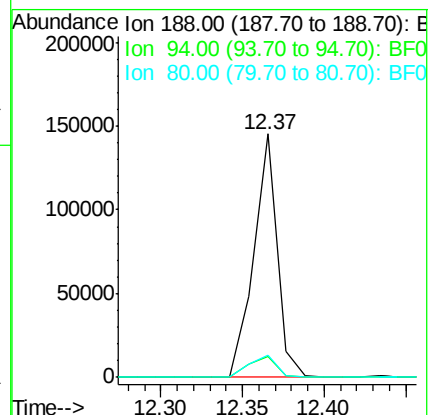
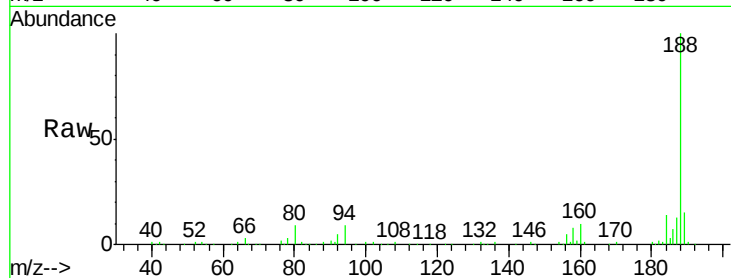




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.37 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: BF078528.D
 Acq: 15 Apr 2015 7:15

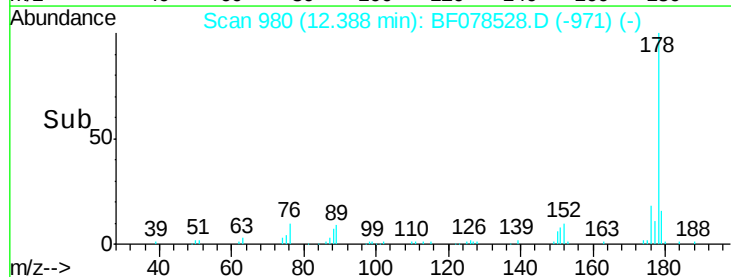
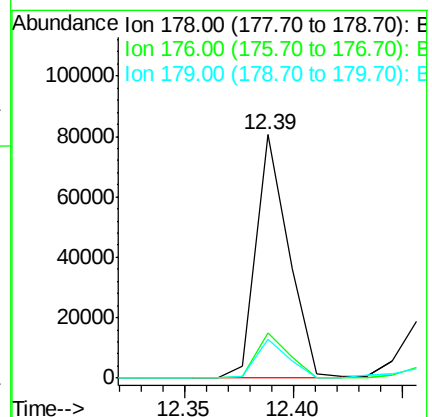
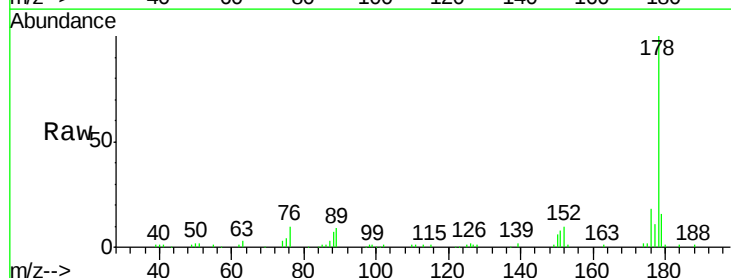
Instrument :
 BNA_F
 ClientSampleId :
 EP-1RE

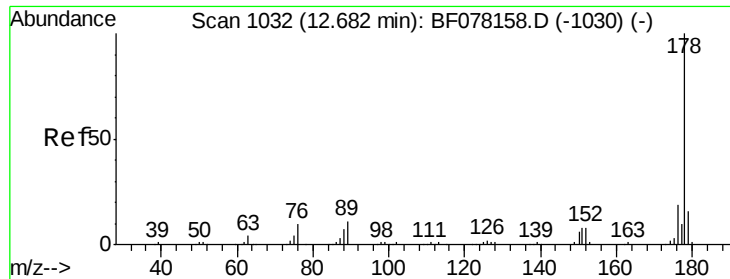
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	9.0	13.4#
80	8.9	9.5	14.3#



#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

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

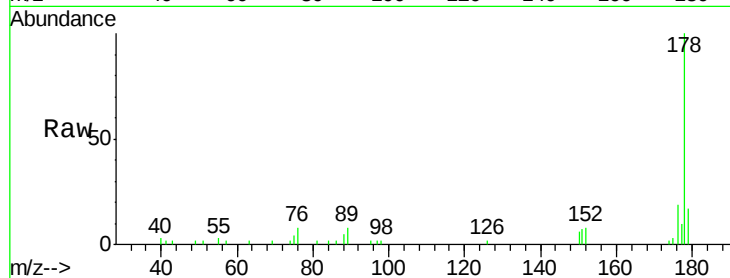




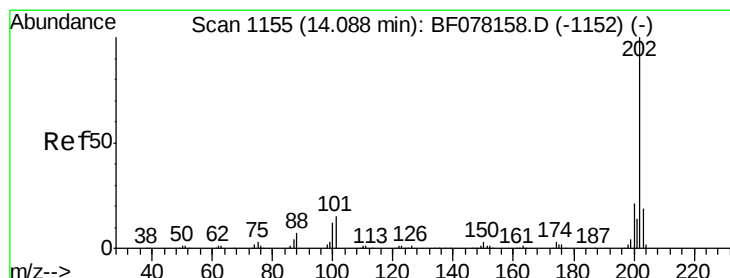
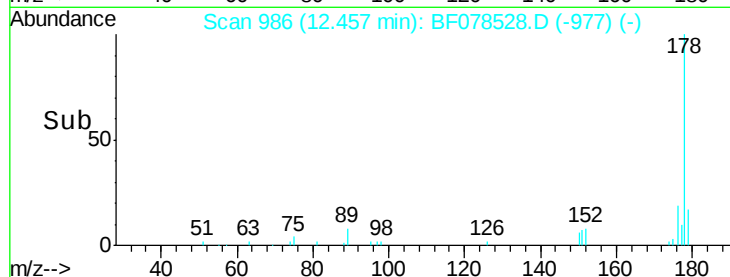
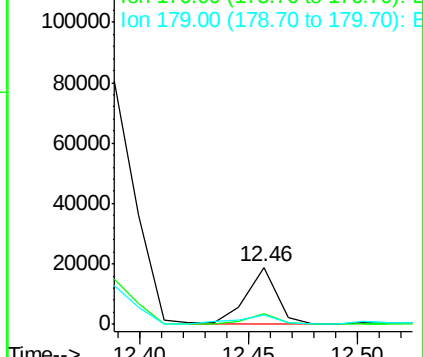
#71
 Anthracene
 Concen: 2.16 ng
 RT: 12.46 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: BF078528.D
 Acq: 15 Apr 2015 7:15

Instrument :
 BNA_F
 ClientSampleId :
 EP-1RE

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

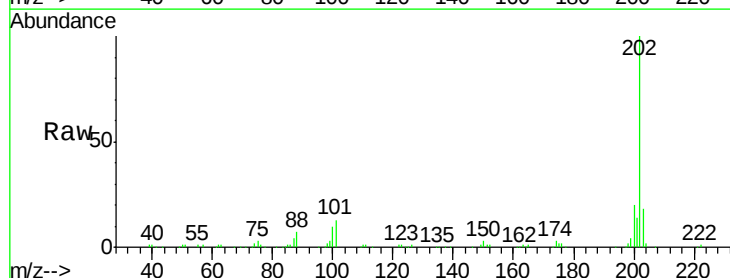


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

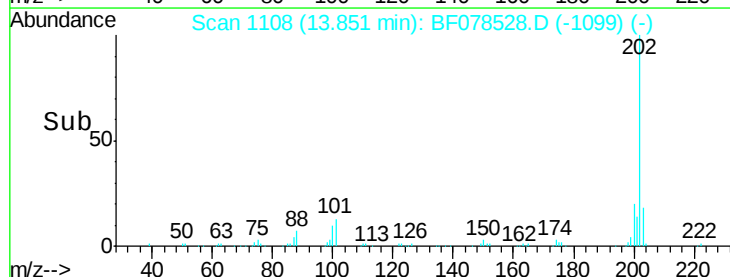
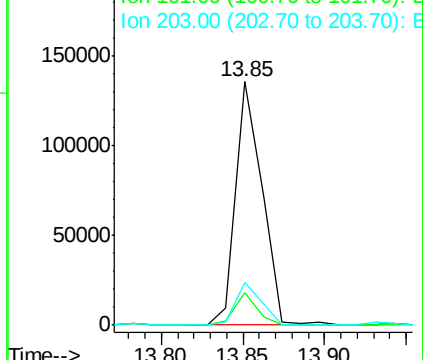


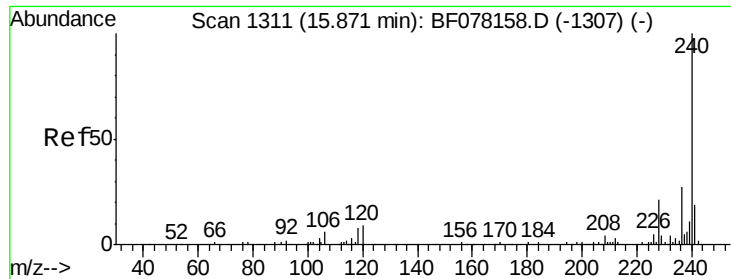
#74
 Fluoranthene
 Concen: 17.19 ng
 RT: 13.85 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: BF078528.D
 Acq: 15 Apr 2015 7:15

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

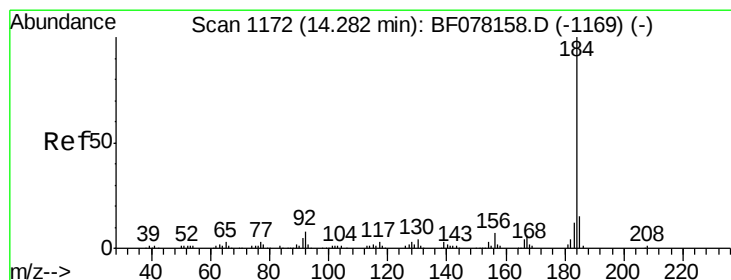
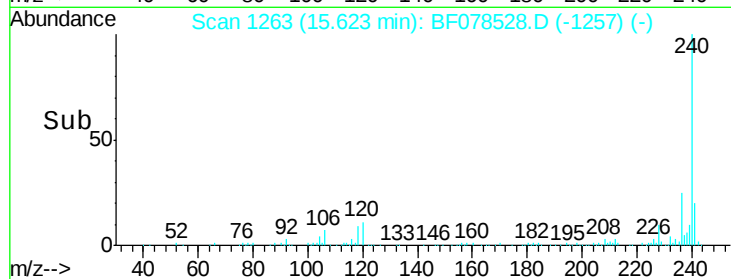
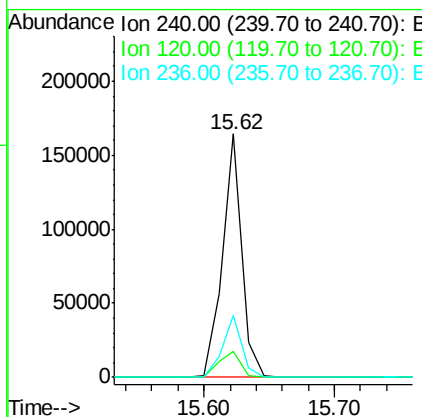
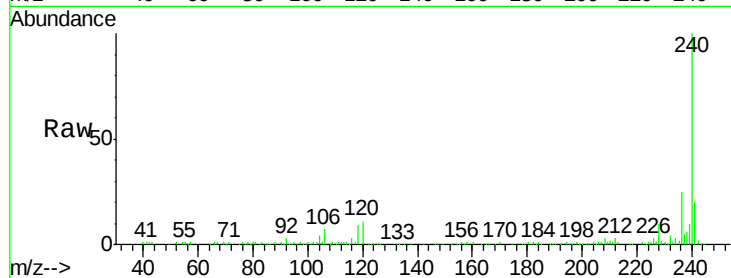




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.62 min Scan# 1263
 Delta R.T. -0.03 min
 Lab File: BF078528.D
 Acq: 15 Apr 2015 7:15

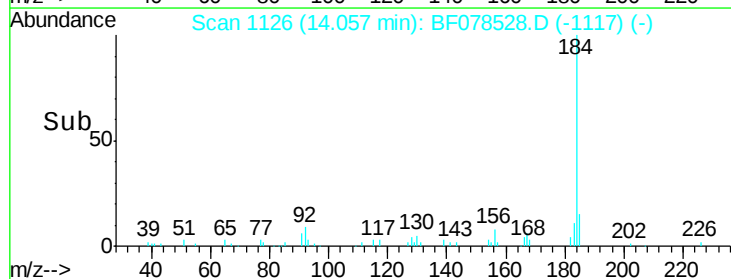
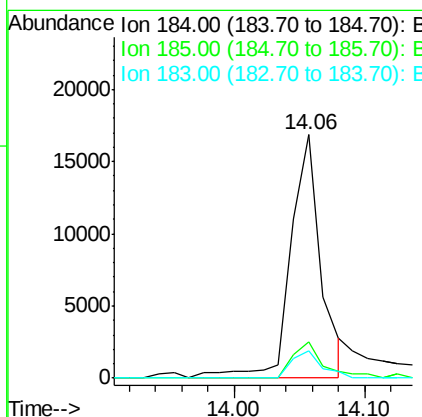
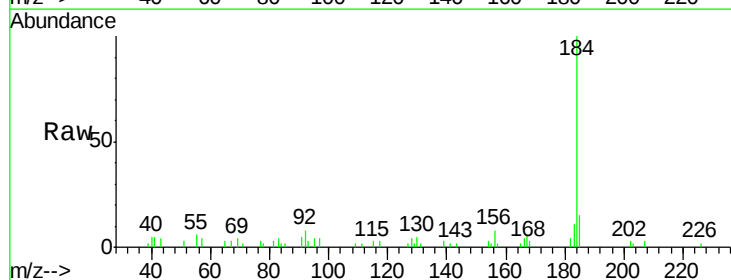
Instrument :
 BNA_F
 ClientSampleId :
 EP-1RE

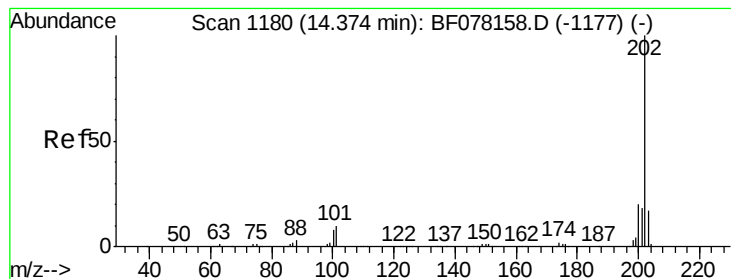
Tgt Ion:240 Resp: 170995
 Ion Ratio Lower Upper
 240 100
 120 10.6 7.1 10.7
 236 25.4 21.4 32.2



#76
 Benzidine
 Concen: 4.11 ng
 RT: 14.06 min Scan# 1126
 Delta R.T. 0.00 min
 Lab File: BF078528.D
 Acq: 15 Apr 2015 7:15

Tgt Ion:184 Resp: 27053
 Ion Ratio Lower Upper
 184 100
 185 15.0 12.2 18.2
 183 11.1 9.5 14.3





#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

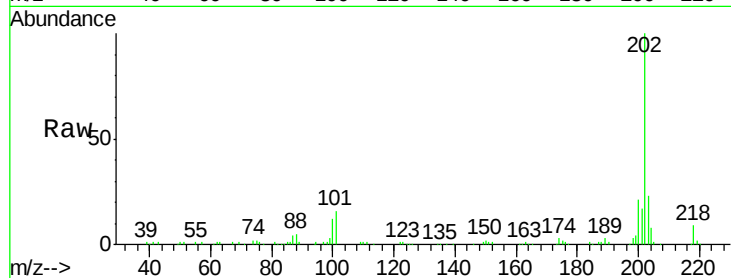
Tgt Ion:202 Resp: 156227

Ion Ratio Lower Upper

202 100

200 20.7 16.3 24.5

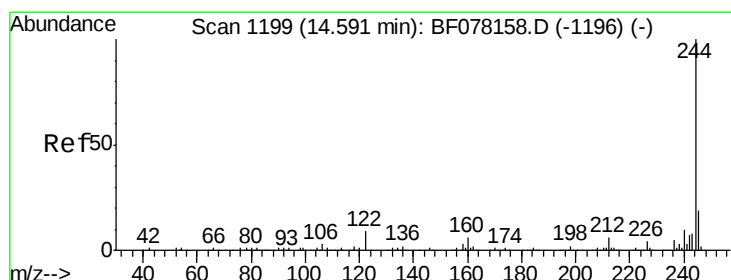
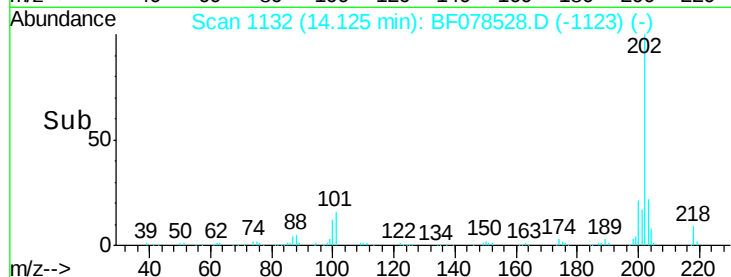
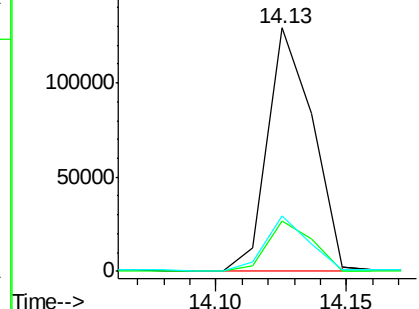
203 23.0 13.8 20.6#



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

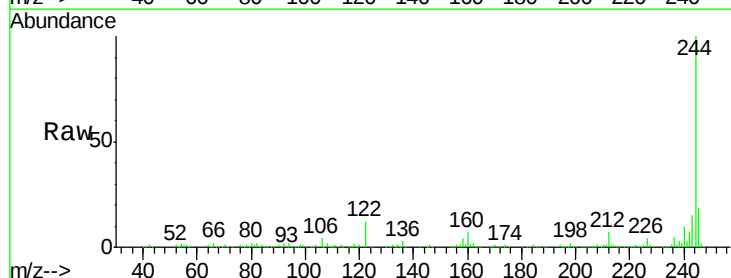
Tgt Ion:244 Resp: 250411

Ion Ratio Lower Upper

244 100

212 6.6 5.0 7.4

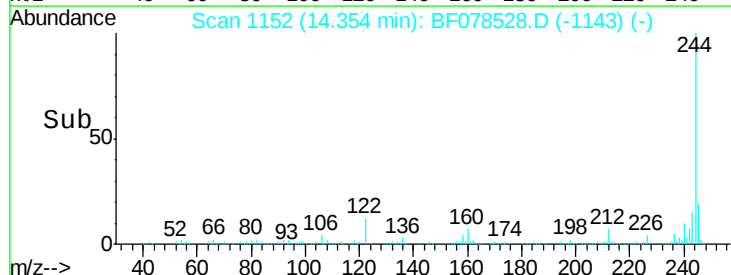
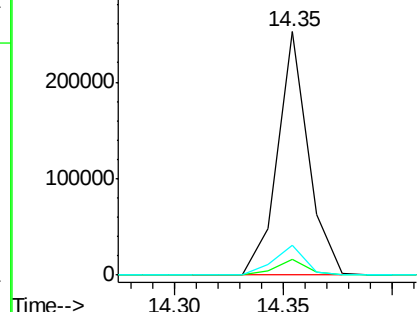
122 12.1 7.1 10.7#

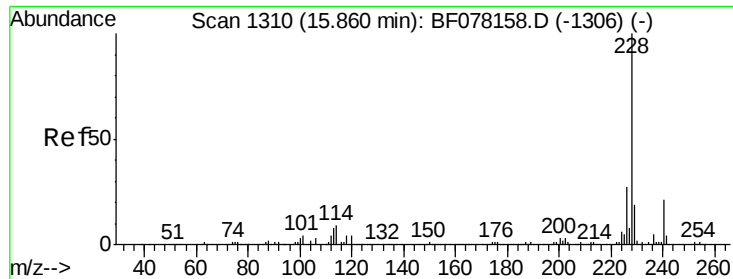


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

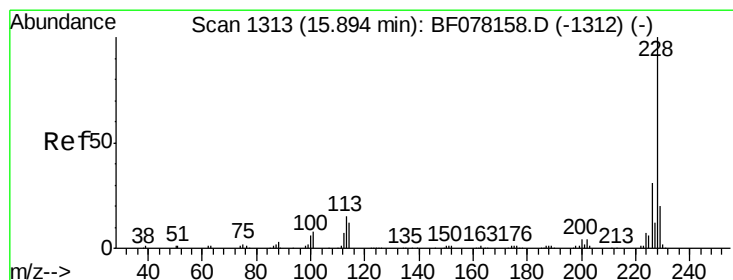
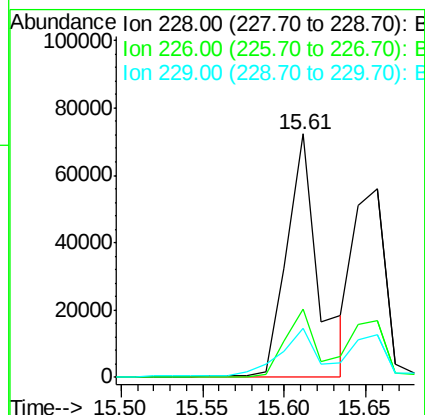
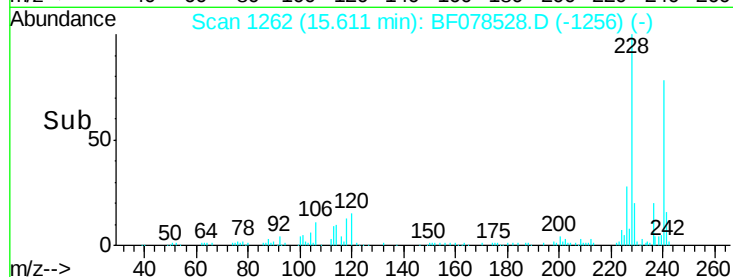
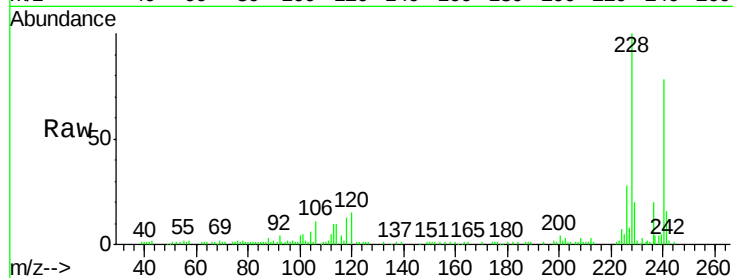




#80
Benzo(a)anthracene
Concen: 9.61 ng
RT: 15.61 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BF078528.D
Acq: 15 Apr 2015 7:15

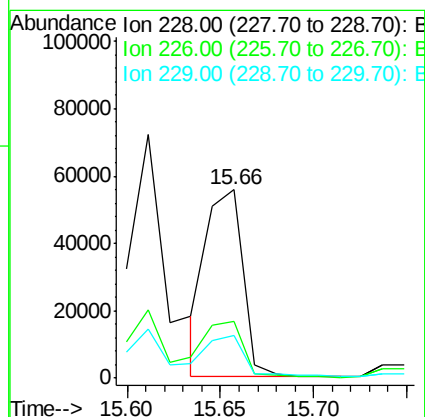
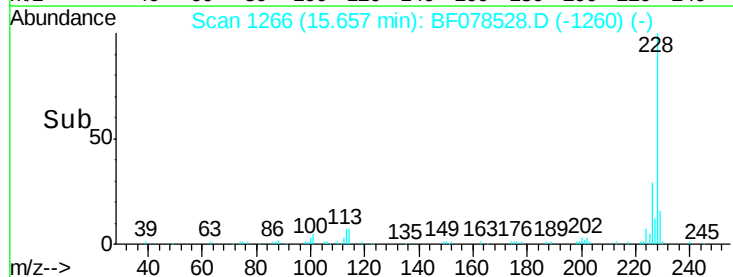
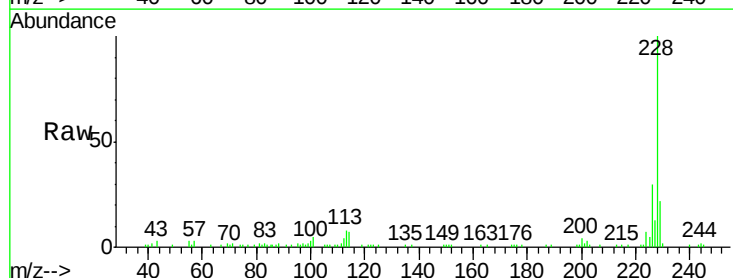
Instrument :
BNA_F
ClientSampleId :
EP-1RE

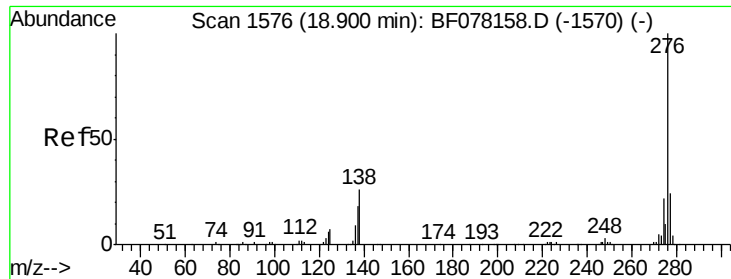
Tgt Ion: 228 Resp: 97735
Ion Ratio Lower Upper
228 100
226 28.0 21.3 31.9
229 20.4 15.4 23.2



#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

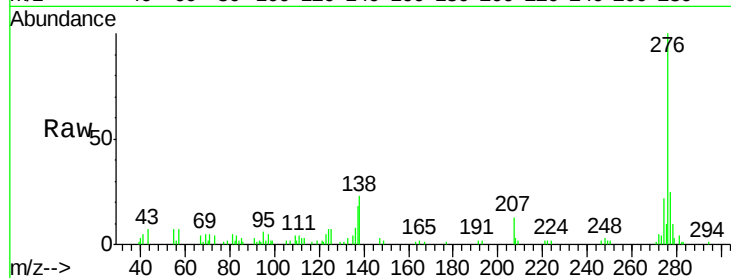




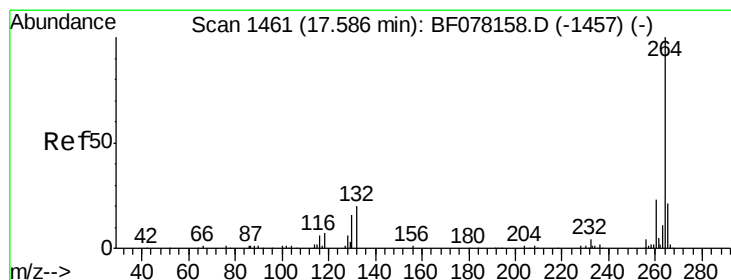
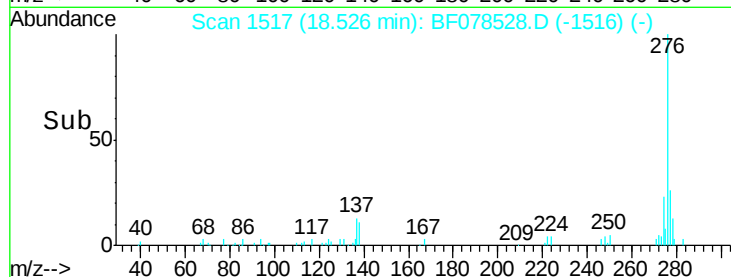
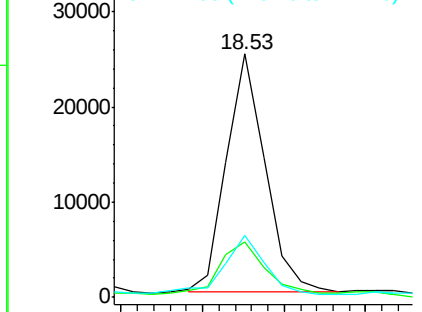
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.79 ng
 RT: 18.53 min Scan# 1517
 Delta R.T. -0.29 min
 Lab File: BF078528.D
 Acq: 15 Apr 2015 7:15

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

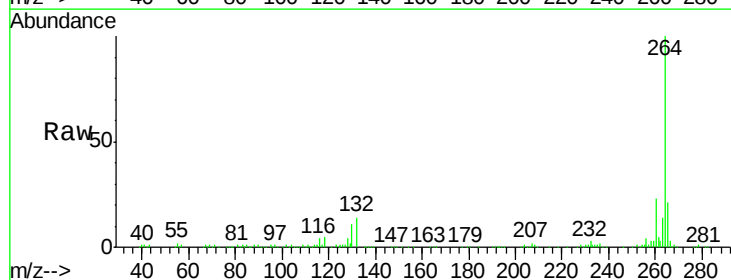


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

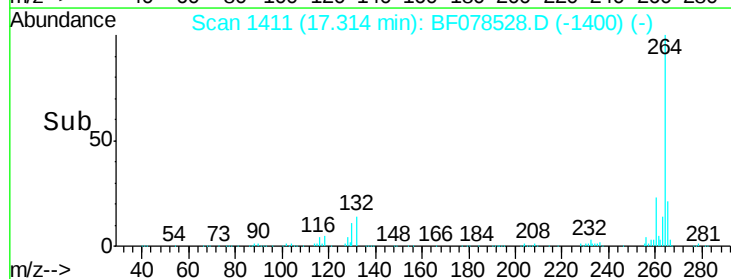
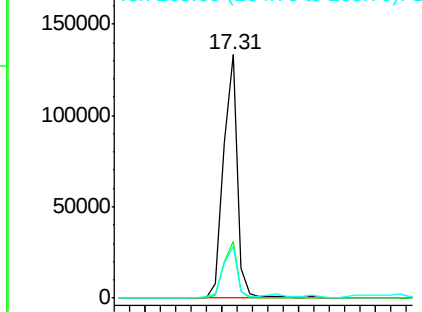


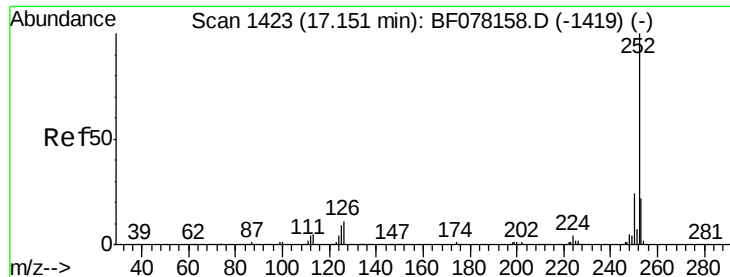
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.31 min Scan# 1411
 Delta R.T. -0.17 min
 Lab File: BF078528.D
 Acq: 15 Apr 2015 7:15

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

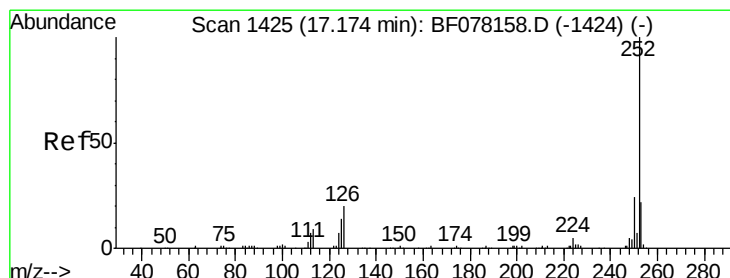
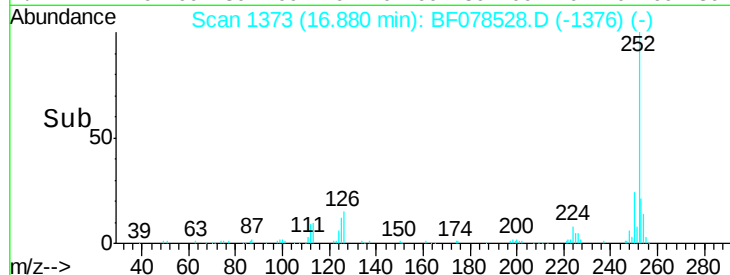
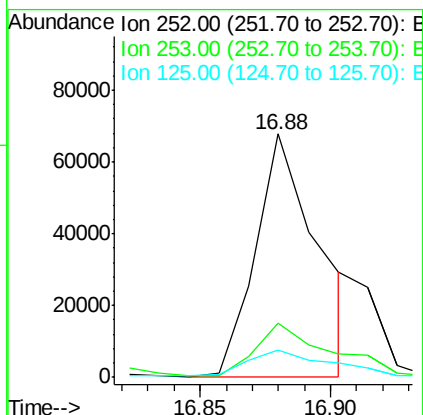
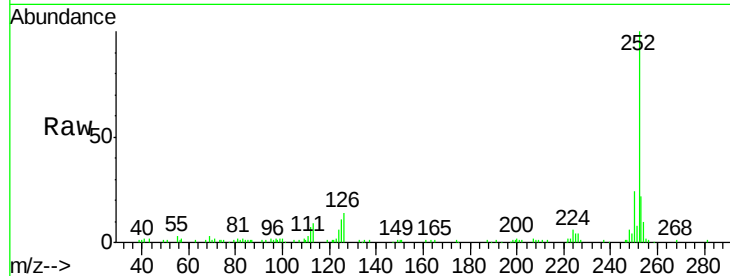




#87
Benzo(b)fluoranthene
Concen: 10.56 ng
RT: 16.88 min Scan# 1373
Delta R.T. -0.14 min
Lab File: BF078528.D
Acq: 15 Apr 2015 7:15

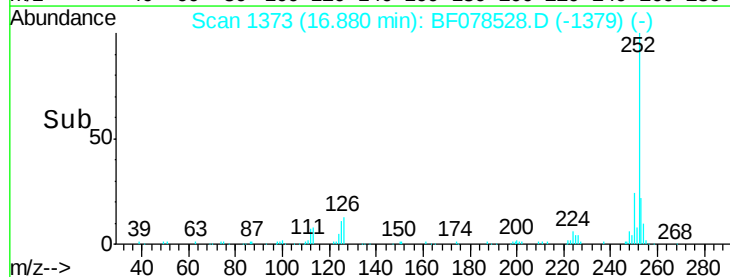
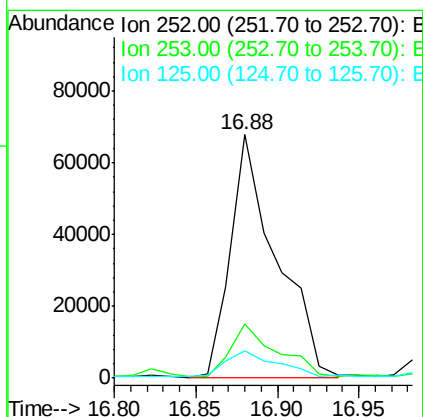
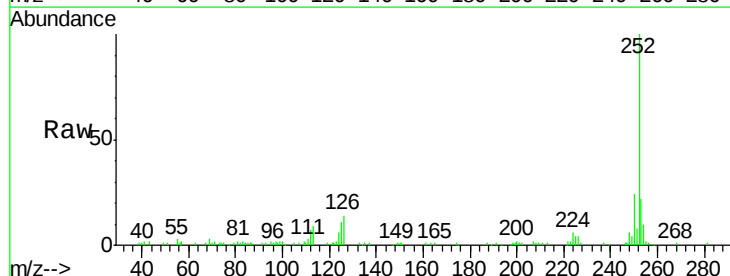
Instrument :
BNA_F
ClientSampleId :
EP-1RE

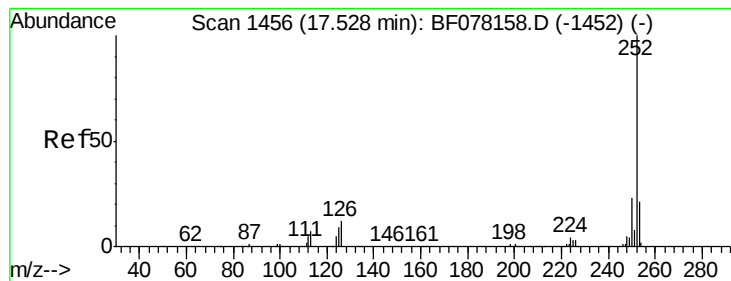
Tgt Ion:252 Resp: 112646
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 11.5 7.0 10.4#



#88
Benzo(k)fluoranthene
Concen: 14.00 ng
RT: 16.88 min Scan# 1373
Delta R.T. -0.17 min
Lab File: BF078528.D
Acq: 15 Apr 2015 7:15

Tgt Ion:252 Resp: 132617
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

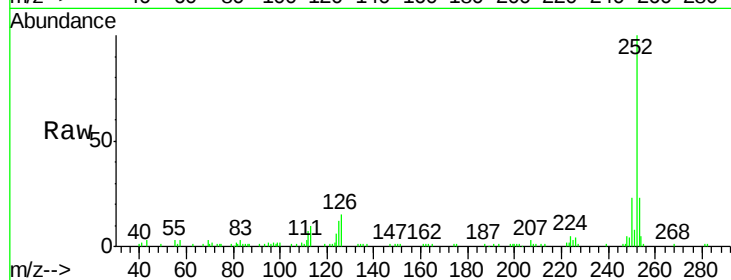
Acq: 15 Apr 2015 7:15

Instrument :

BNA_F

ClientSampleId :

EP-1RE



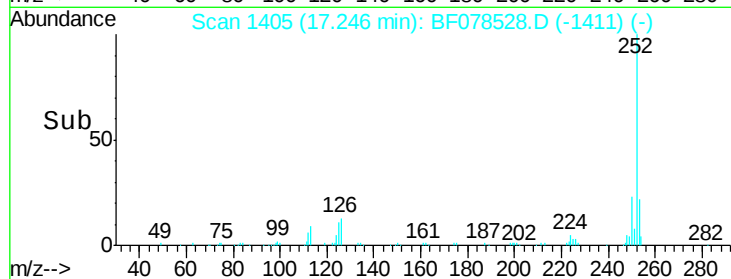
Tgt Ion:252 Resp: 70484

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

