

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
 Data File : BF094057.D
 Acq On : 30 Mar 2017 12:24
 Operator : SJ/MA
 Sample : I2443-03DL 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-P12-BASEDL

Quant Time: Mar 30 13:13:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

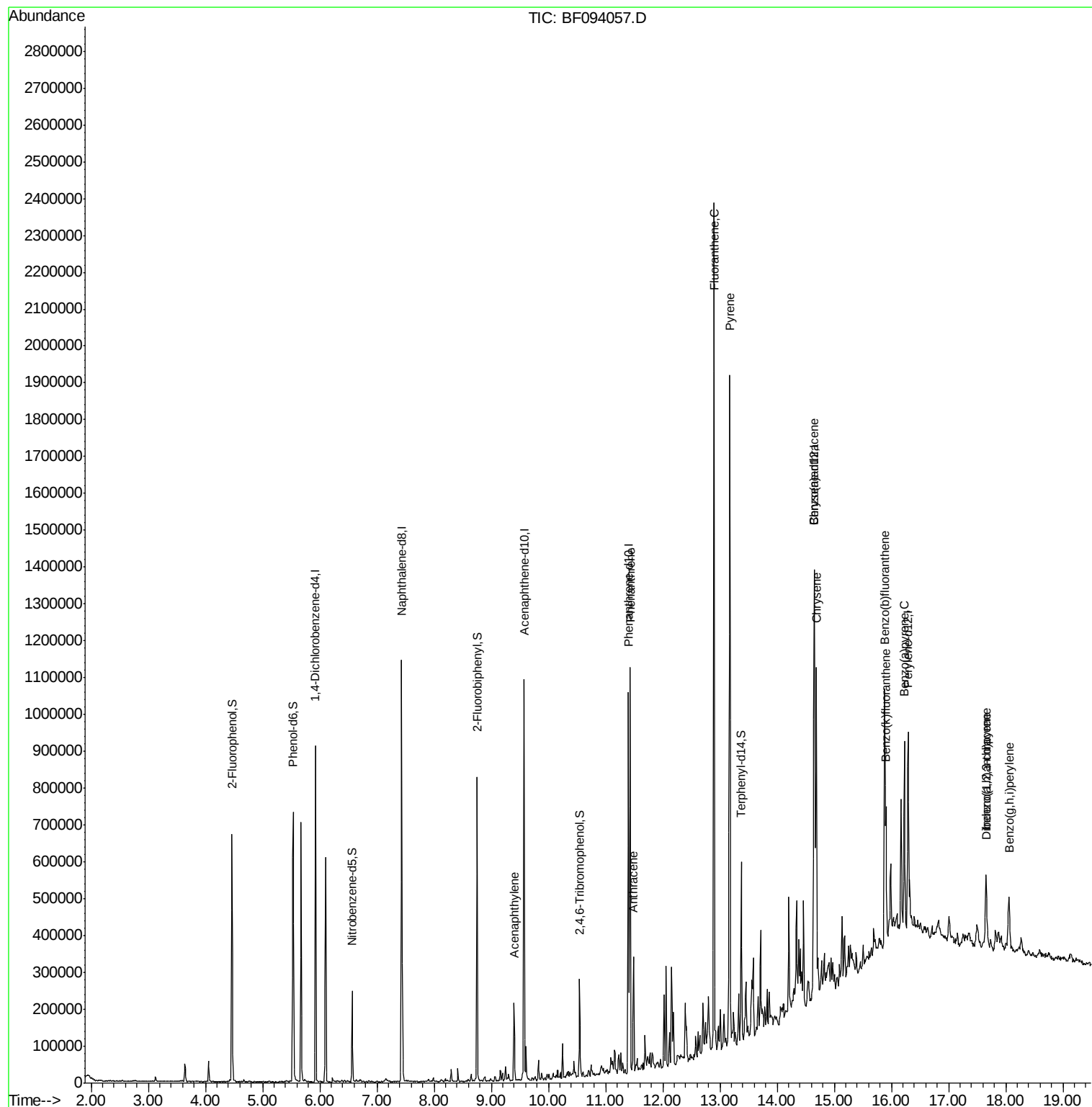
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.92	152	152965	20.00	ng	-0.03
21) Naphthalene-d8	7.43	136	597549	20.00	ng	-0.03
38) Acenaphthene-d10	9.57	164	250233	20.00	ng	-0.02
63) Phenanthrene-d10	11.40	188	388000	20.00	ng	-0.02
75) Chrysene-d12	14.66	240	306325	20.00	ng	-0.02
86) Perylene-d12	16.29	264	221854	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	188801	20.85	ng	-0.01
7) Phenol-d6	5.53	99	238452	21.28	ng	-0.02
23) Nitrobenzene-d5	6.57	82	87712	8.38	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	25896	13.10	ng	-0.03
44) 2-Fluorobiphenyl	8.75	172	269957	16.45	ng	-0.03
78) Terphenyl-d14	13.37	244	152019	11.12	ng	-0.03
Target Compounds						Qvalue
48) Acenaphthylene	9.40	152	95344	3.63	ng	97
70) Phenanthrene	11.43	178	425287	19.70	ng	98
71) Anthracene	11.49	178	131519	5.92	ng	97
74) Fluoranthene	12.90	202	1032626	46.72	ng	99
77) Pyrene	13.17	202	836578	37.63	ng	99
80) Benzo(a)anthracene	14.64	228	392068	21.95	ng	96
82) Chrysene	14.69	228	371940	22.44	ng	98
85) Indeno(1,2,3-cd)pyrene	17.65	276	119065	8.29	ng	94
87) Benzo(b)fluoranthene	15.88	252	387592m	28.50	ng	
88) Benzo(k)fluoranthene	15.90	252	134379m	10.10	ng	
89) Benzo(a)pyrene	16.23	252	207798	16.59	ng	98
90) Dibenzo(a,h)anthracene	17.67	278	31898	3.01	ng	# 81
91) Benzo(a,h,i)perylene	18.06	276	100119	9.37	ng	100

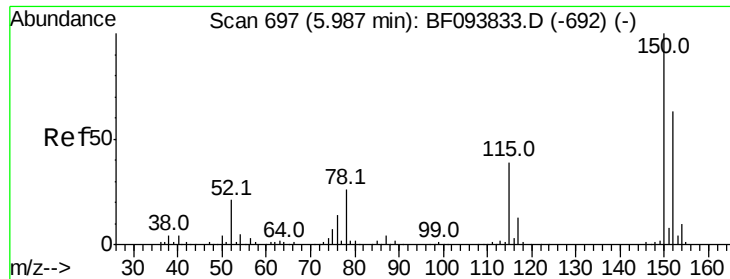
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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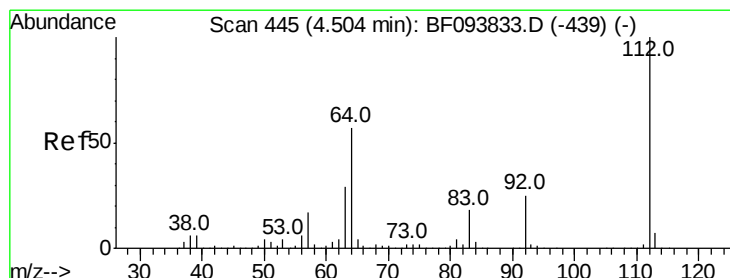
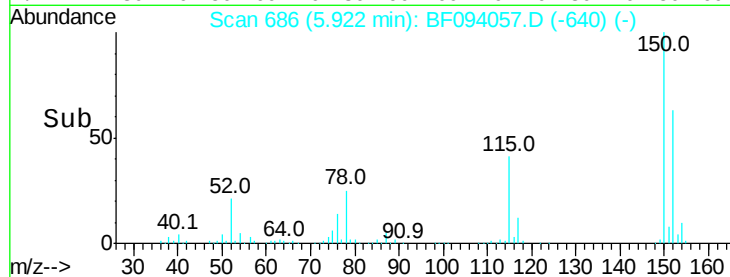
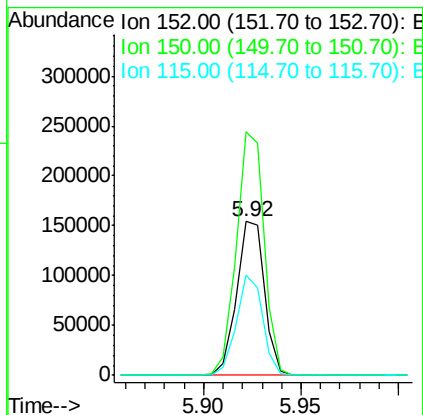
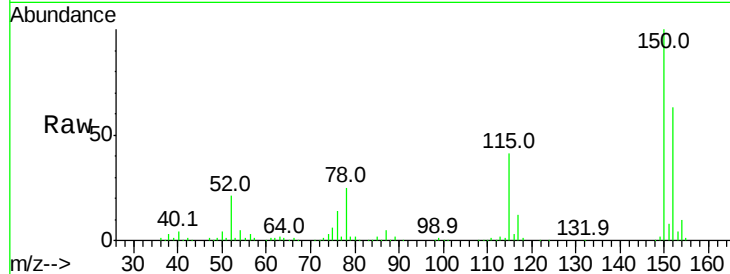


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.92 min Scan# 686
 Delta R.T. -0.03 min
 Lab File: BF094057.D
 Acq: 30 Mar 2017 12:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-P12-BASEDL

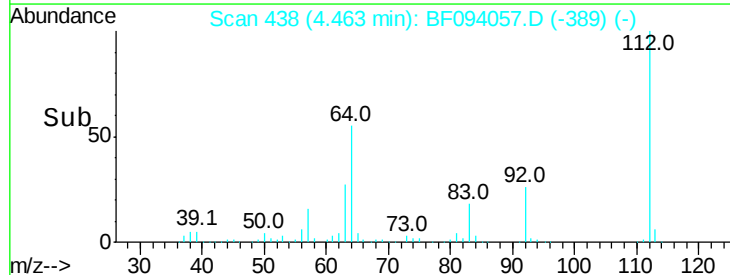
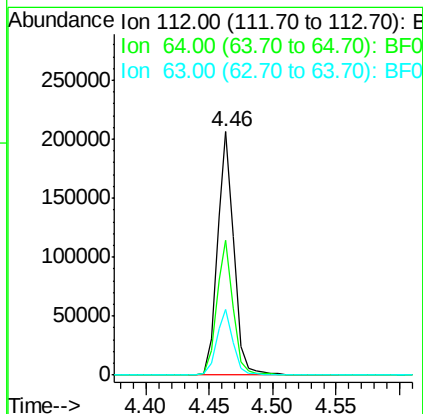
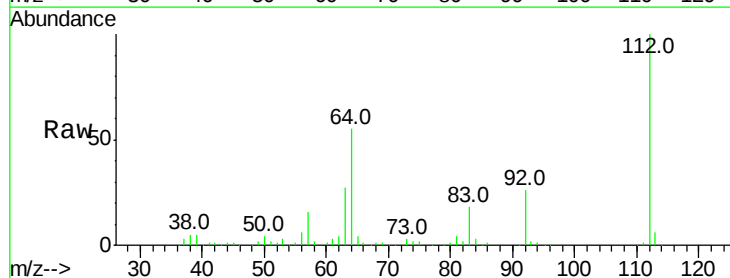
Tot Ion:152 Resp: 152965
 Ion Ratio Lower Upper
 152 100
 150 158.7 126.2 189.2
 115 65.6 52.2 78.2

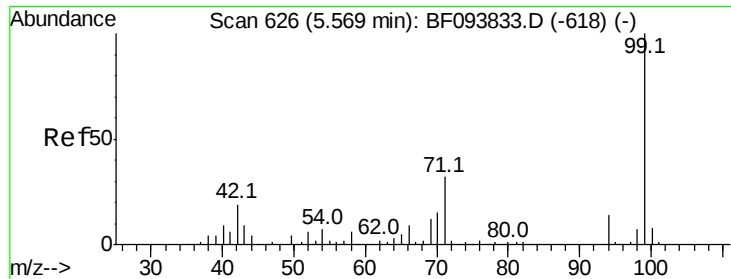


#5

2-Fluorophenol
 Concen: 20.85 ng
 RT: 4.46 min Scan# 438
 Delta R.T. -0.01 min
 Lab File: BF094057.D
 Acq: 30 Mar 2017 12:24

Tgt Ion:112 Resp: 188801
 Ion Ratio Lower Upper
 112 100
 64 55.1 46.0 69.0
 63 26.8 23.4 35.0





#7

Phenol-d6

Concen: 21.28 ng

RT: 5.53 min Scan# 620

Delta R.T. -0.02 min

Lab File: BF094057.D

Acq: 30 Mar 2017 12:24

Instrument :

BNA_F

ClientSampleId :

E2-P12-BASEDL

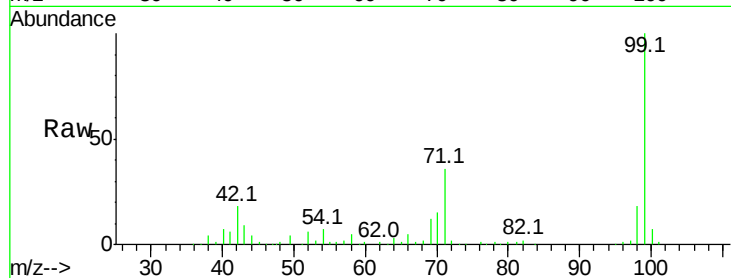
Tot Ion: 99 Resp: 238452

Ion Ratio Lower Upper

99 100

42 18.4 13.5 20.3

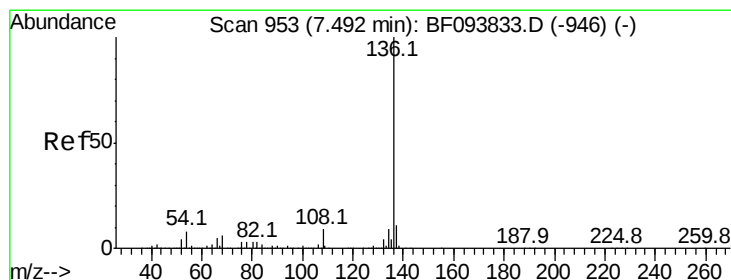
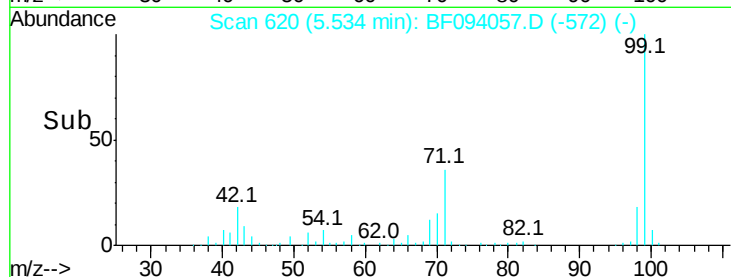
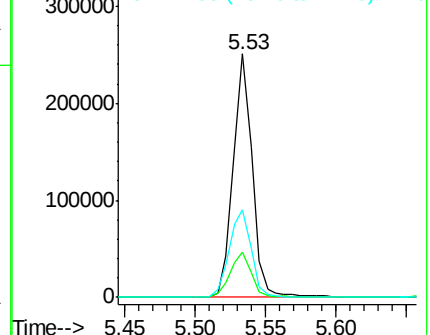
71 35.9 24.5 36.7



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: 7.43 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF094057.D

Acq: 30 Mar 2017 12:24

Tgt Ion: 136 Resp: 597549

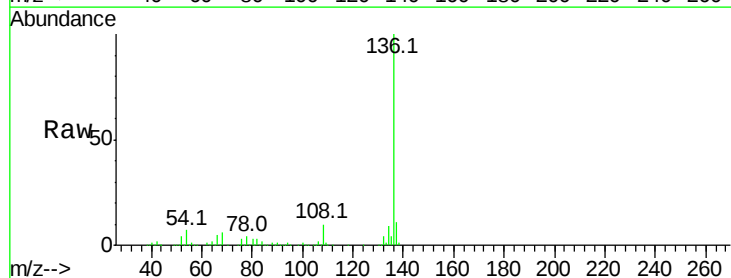
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.5 4.9 7.3#

68 6.0 4.1 6.1

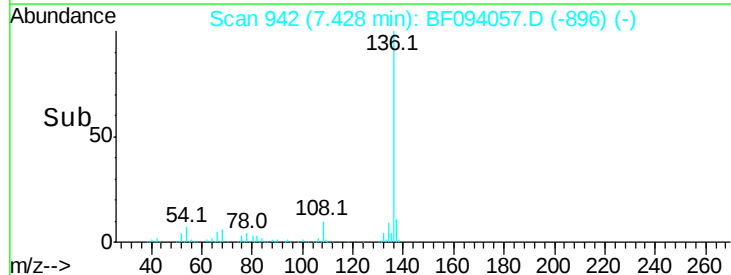
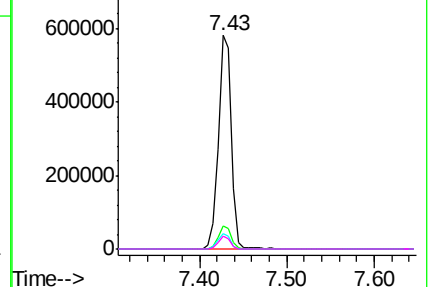


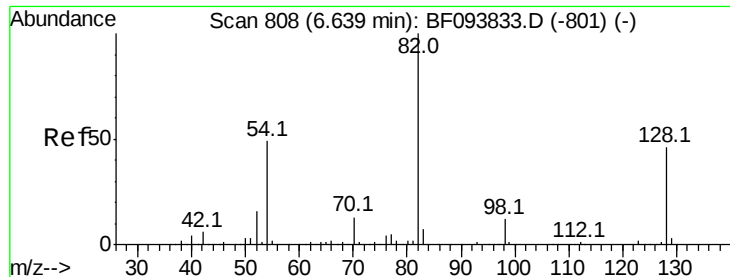
Abundance Ion 136.00 (135.70 to 136.70): E

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

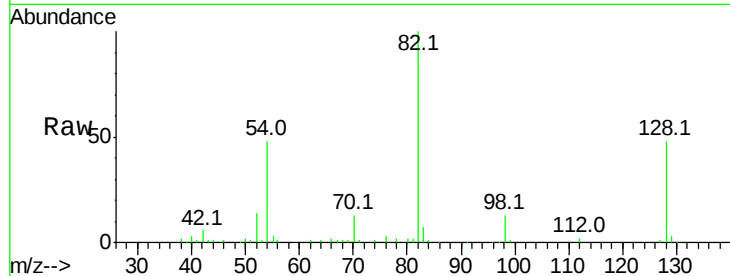




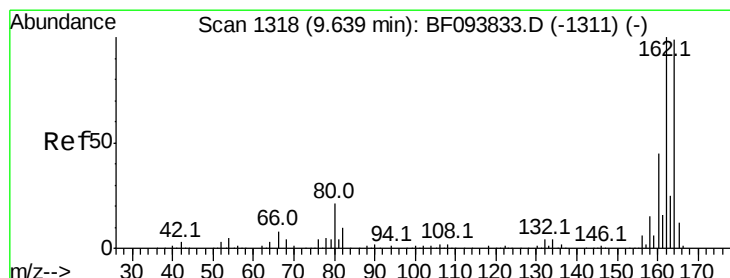
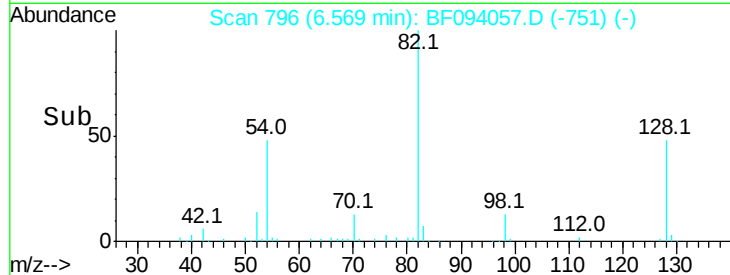
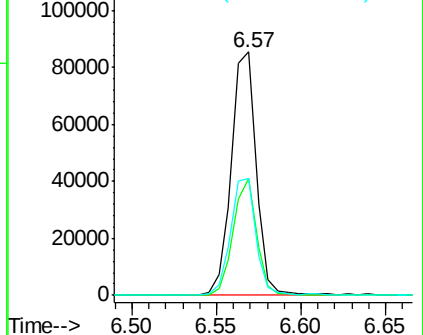
#23
 Nitrobenzene-d5
 Concen: 8.38 ng
 RT: 6.57 min Scan# 796
 Delta R.T. -0.04 min
 Lab File: BF094057.D
 Acq: 30 Mar 2017 12:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-P12-BASEDL

Tot Ion: 82 Resp: 87712
 Ion Ratio Lower Upper
 82 100
 128 48.1 34.0 51.0
 54 47.9 42.2 63.2

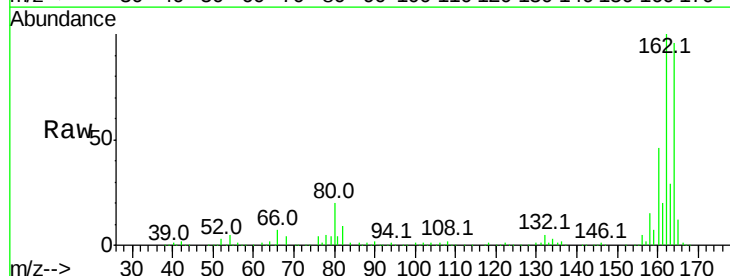


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

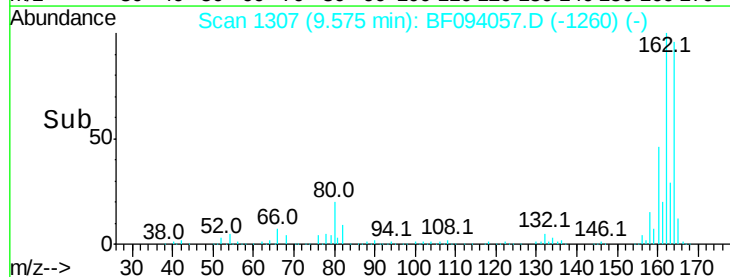
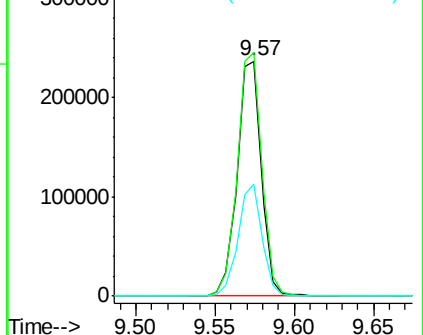


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.57 min Scan# 1307
 Delta R.T. -0.02 min
 Lab File: BF094057.D
 Acq: 30 Mar 2017 12:24

Tgt Ion: 164 Resp: 250233
 Ion Ratio Lower Upper
 164 100
 162 103.7 82.6 123.8
 160 47.4 36.2 54.2



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

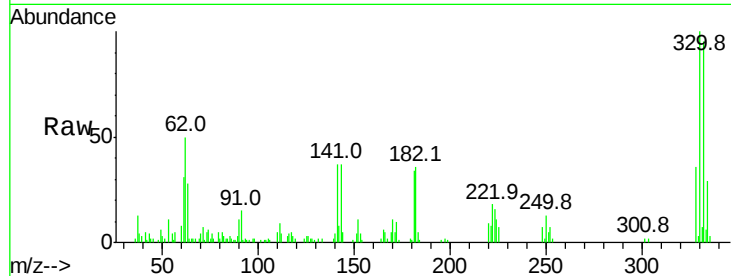




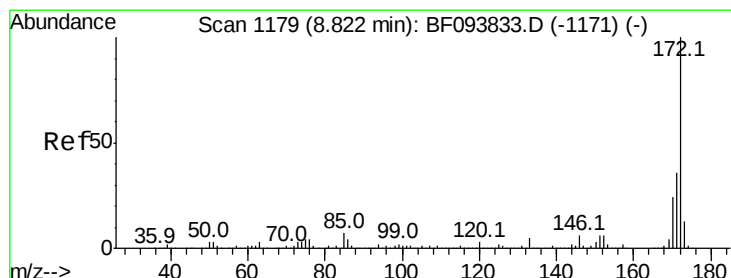
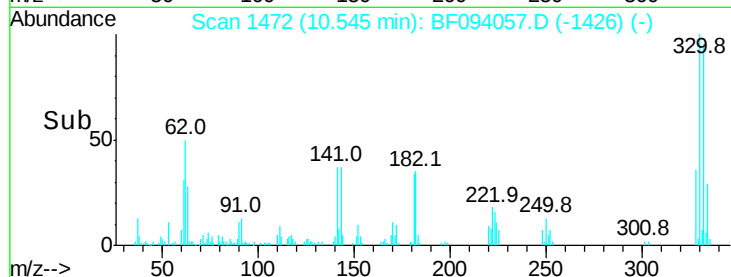
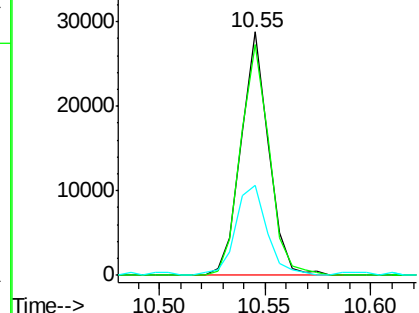
#41
 2,4,6-Tribromophenol
 Concen: 13.10 ng
 RT: 10.55 min Scan# 1472
 Delta R.T. -0.03 min
 Lab File: BF094057.D
 Acq: 30 Mar 2017 12:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-P12-BASEDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.6	76.6	115.0
141	42.6	31.4	47.2

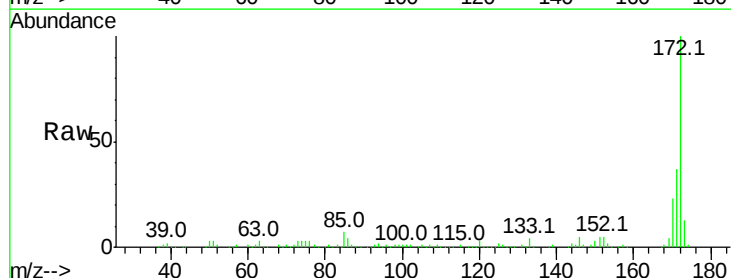


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

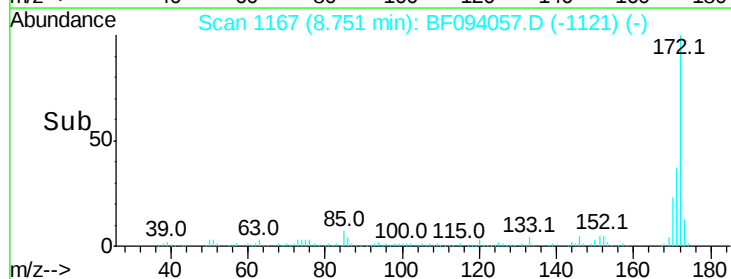
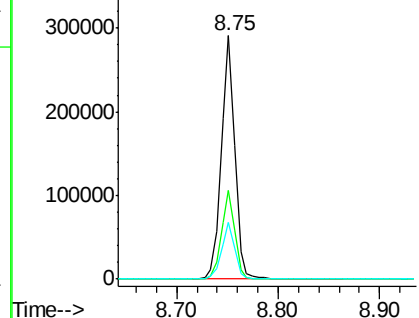


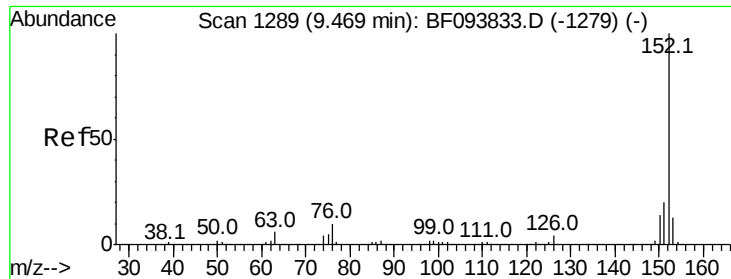
#44
 2-Fluorobiphenyl
 Concen: 16.45 ng
 RT: 8.75 min Scan# 1167
 Delta R.T. -0.03 min
 Lab File: BF094057.D
 Acq: 30 Mar 2017 12:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	23.3	19.8	29.8



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





#48

Acenaphthylene

Concen: 3.63 ng

RT: 9.40 min Scan# 1277

Delta R.T. -0.03 min

Lab File: BF094057.D

Acq: 30 Mar 2017 12:24

Instrument :

BNA_F

ClientSampleId :

E2-P12-BASEDL

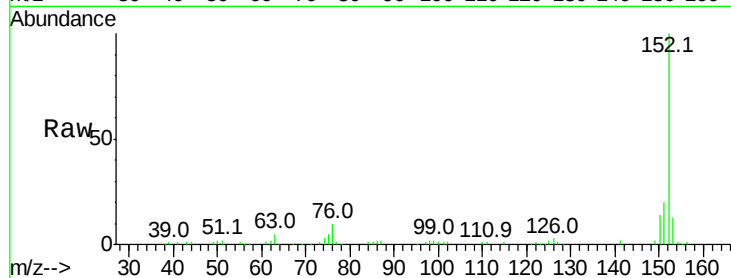
Tot Ion:152 Resp: 95344

Ion Ratio Lower Upper

152 100

151 19.6 16.8 25.2

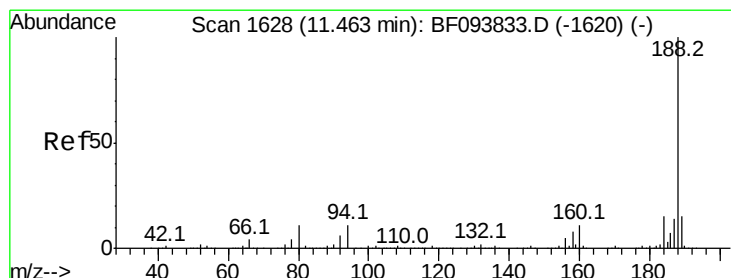
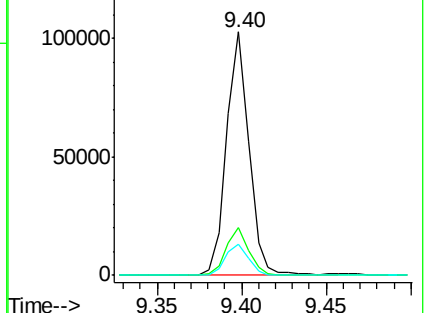
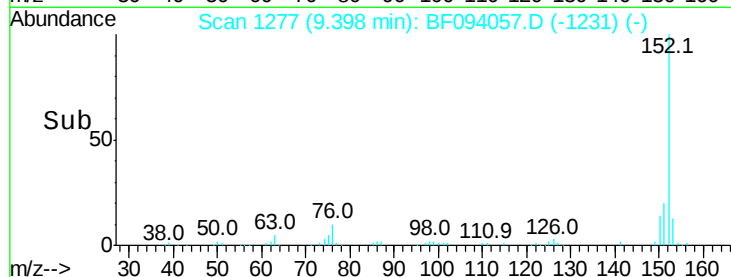
153 12.6 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 1617

Delta R.T. -0.02 min

Lab File: BF094057.D

Acq: 30 Mar 2017 12:24

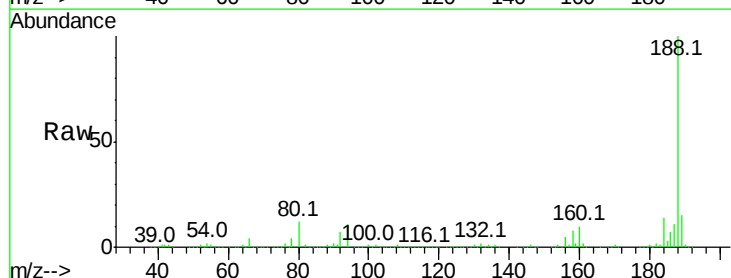
Tgt Ion:188 Resp: 388000

Ion Ratio Lower Upper

188 100

94 10.8 9.4 14.2

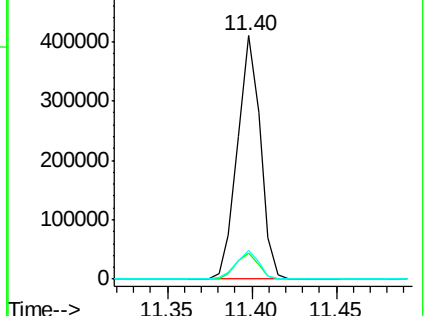
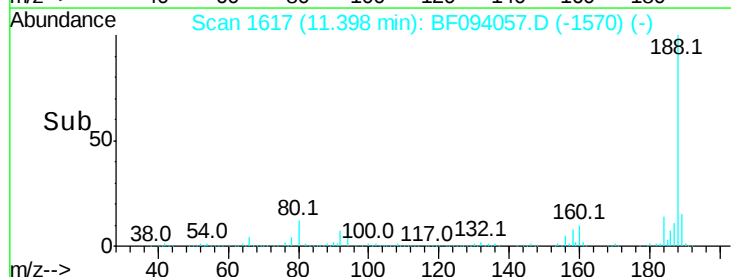
80 11.5 10.2 15.2

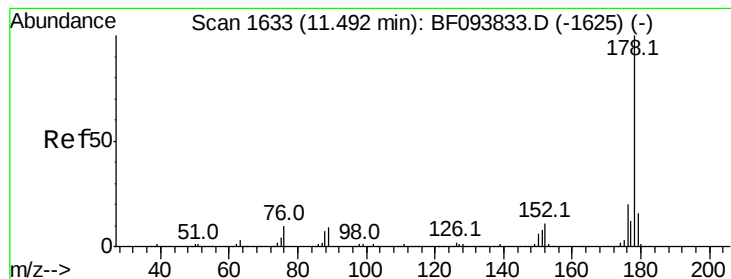


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 19.70 ng

RT: 11.43 min Scan# 1622

Delta R.T. -0.03 min

Lab File: BF094057.D

Acq: 30 Mar 2017 12:24

Instrument :

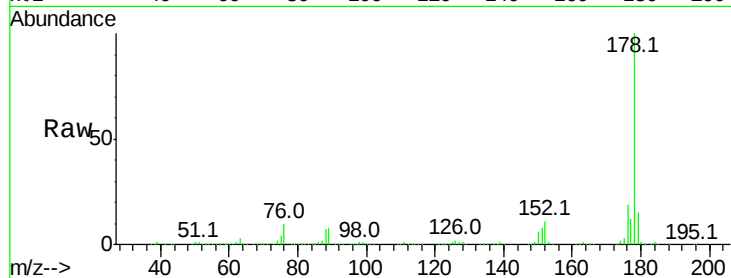
BNA_F

ClientSampleId :

E2-P12-BASEDL

Tot Ion:178 Resp: 425287

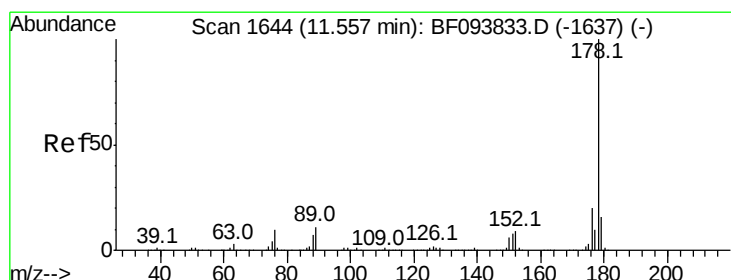
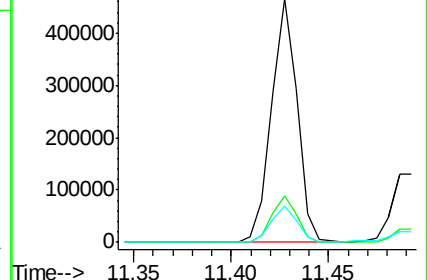
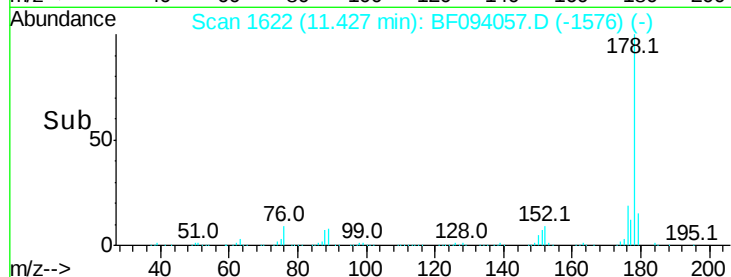
Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	15.1	12.6	19.0



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: 5.92 ng

RT: 11.49 min Scan# 1632

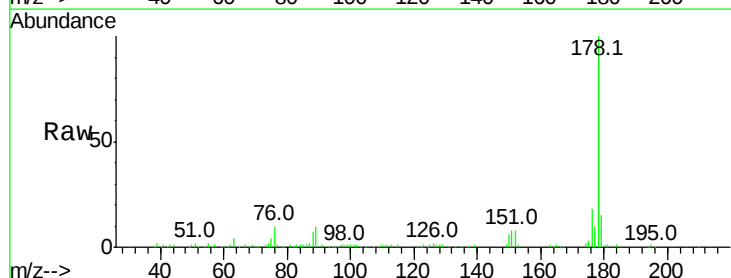
Delta R.T. -0.04 min

Lab File: BF094057.D

Acq: 30 Mar 2017 12:24

Tgt Ion:178 Resp: 131519

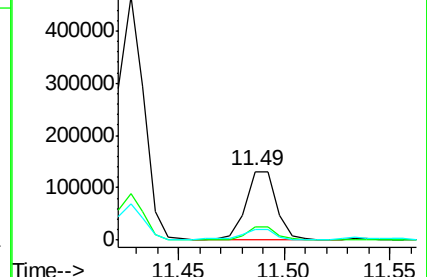
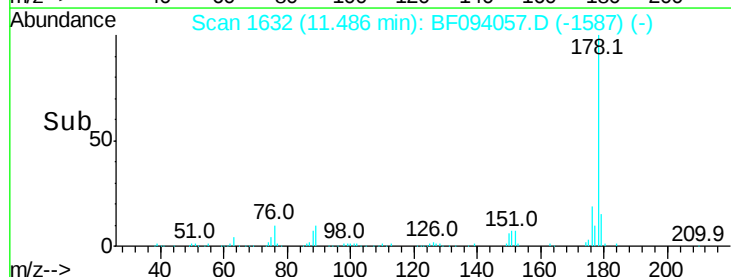
Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.0	12.7	19.1

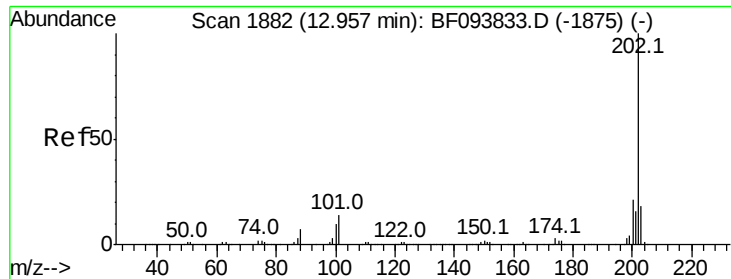


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

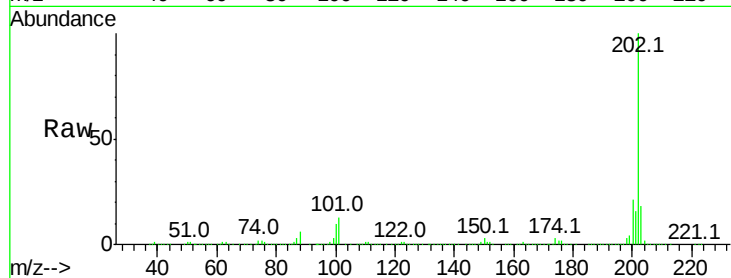




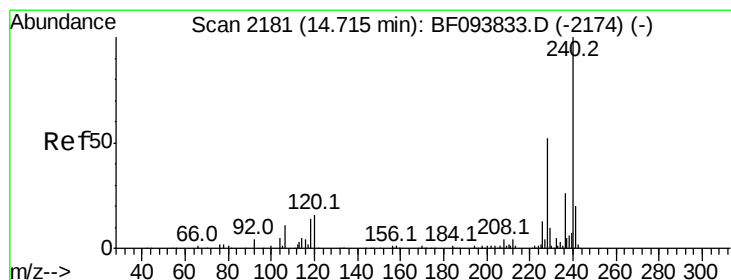
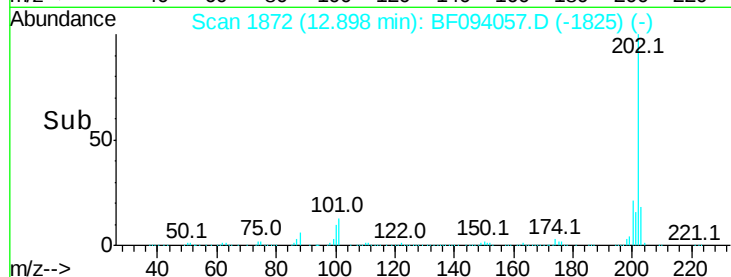
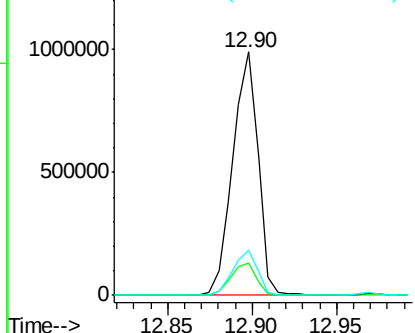
#74
Fluoranthene
Concen: 46.72 ng
RT: 12.90 min Scan# 1872
Delta R.T. -0.02 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Instrument :
BNA_F
ClientSampleId :
E2-P12-BASEDL

Tot Ion:202 Resp: 1032626
Ion Ratio Lower Upper
202 100
101 13.3 0.0 33.2
203 18.4 0.0 38.1

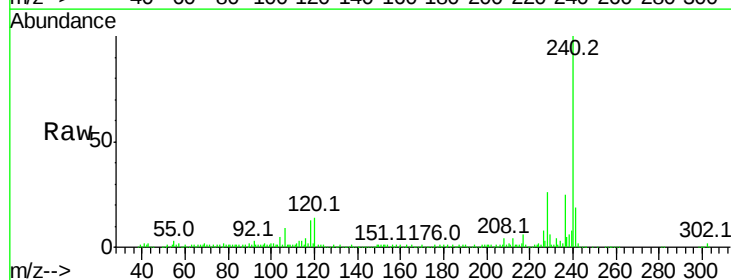


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

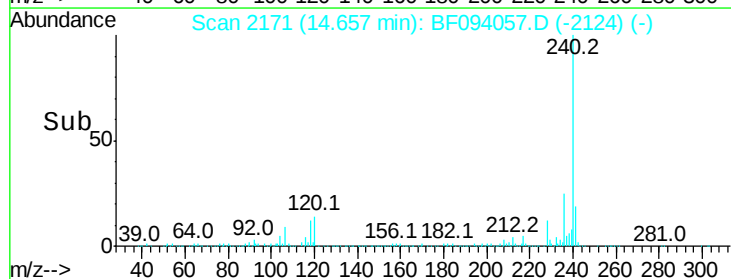
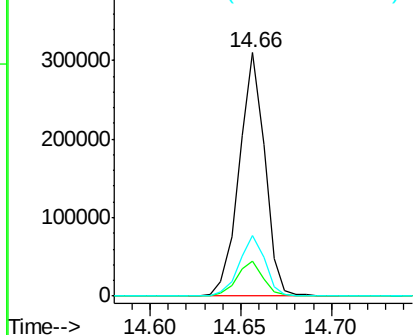


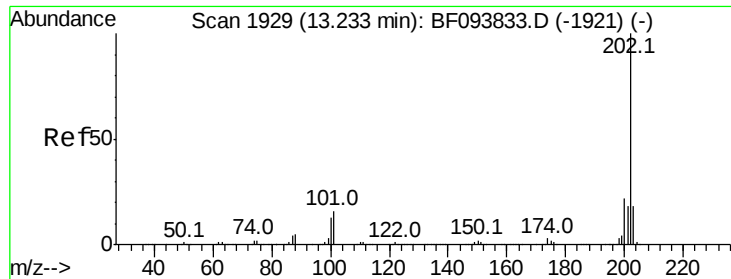
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.66 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Tgt Ion:240 Resp: 306325
Ion Ratio Lower Upper
240 100
120 14.1 5.8 8.8#
236 24.7 20.5 30.7



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

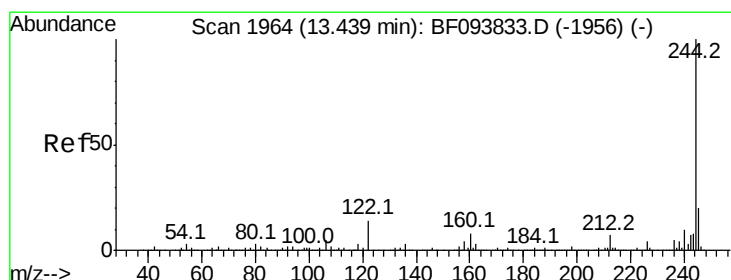
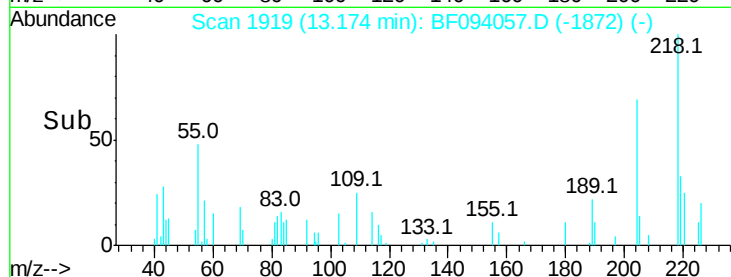
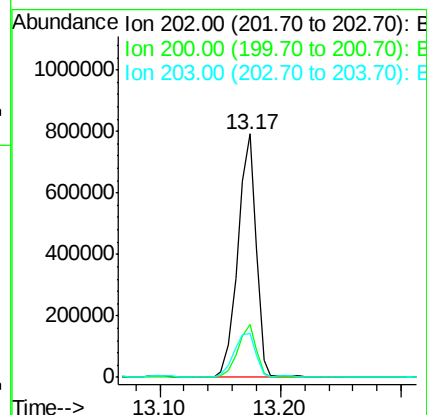
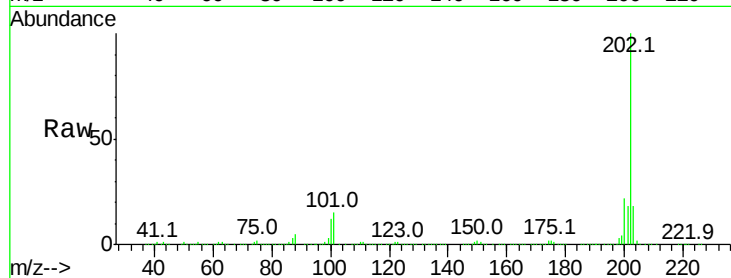




#77
Pvrene
Concen: 37.63 ng
RT: 13.17 min Scan# 1919
Delta R.T. -0.02 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

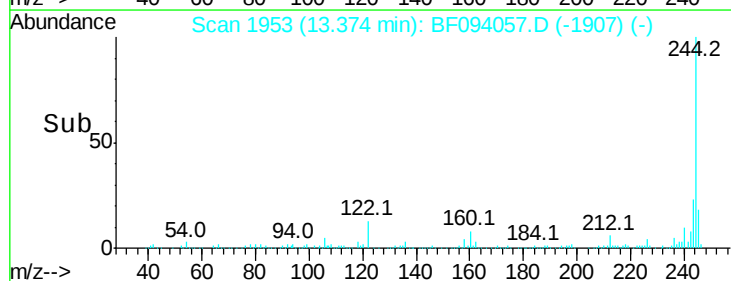
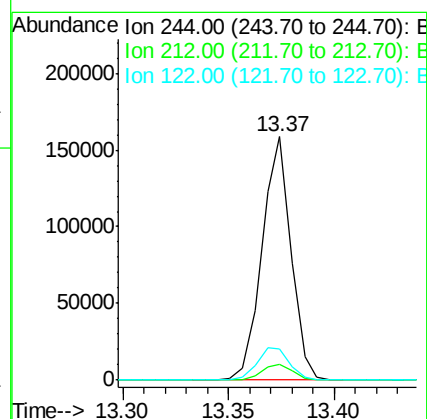
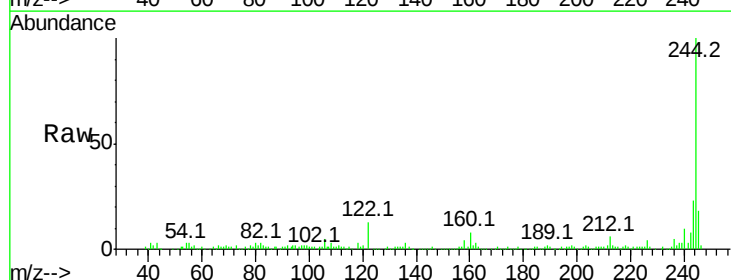
Instrument :
BNA_F
ClientSampleId :
E2-P12-BASEDL

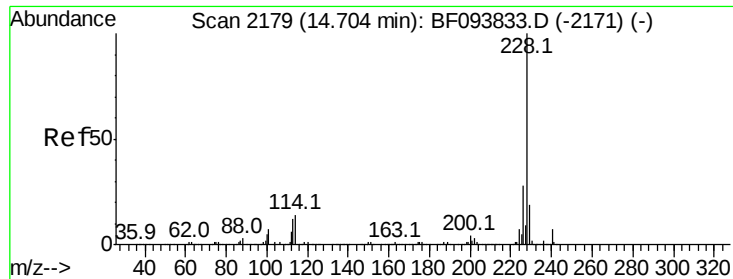
Tot Ion:202 Resp: 836578
Ion Ratio Lower Upper
202 100
200 21.6 17.6 26.4
203 18.2 14.4 21.6



#78
Terphenyl-d14
Concen: 11.12 ng
RT: 13.37 min Scan# 1953
Delta R.T. -0.03 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Tgt Ion:244 Resp: 152019
Ion Ratio Lower Upper
244 100
212 6.4 6.0 9.0
122 13.0 10.3 15.5

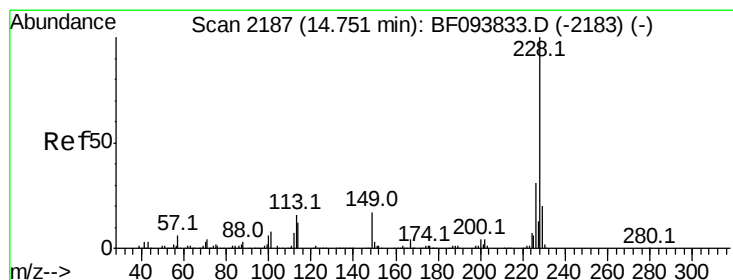
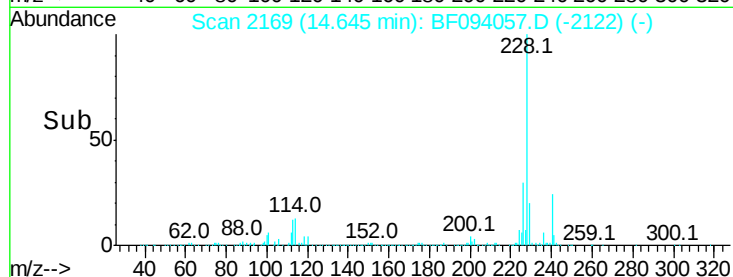
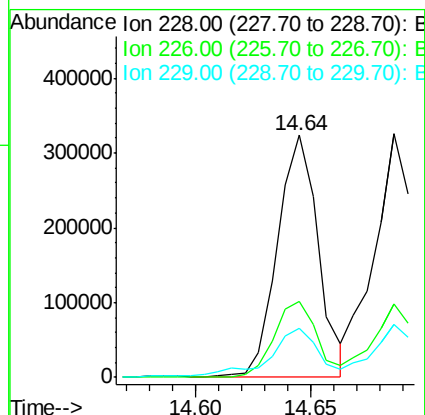
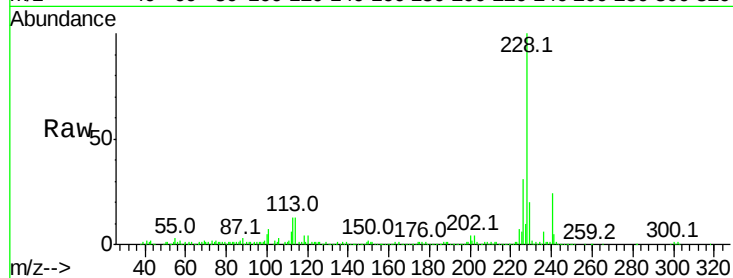




#80
Benzo(a)anthracene
Concen: 21.95 ng
RT: 14.64 min Scan# 2169
Delta R.T. -0.02 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

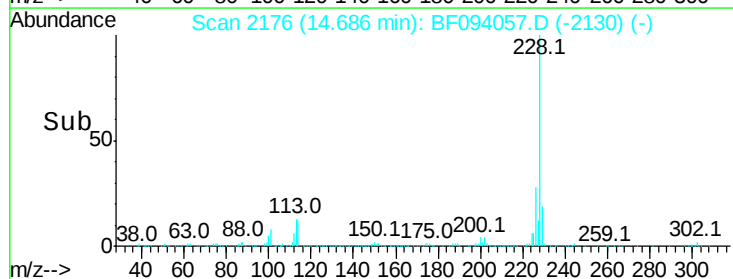
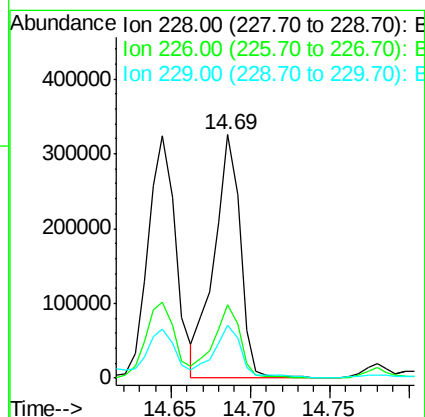
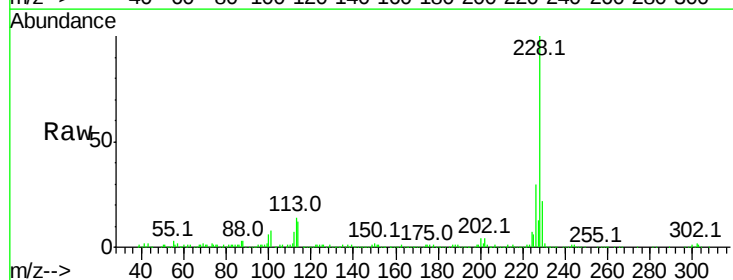
Instrument :
BNA_F
ClientSampleId :
E2-P12-BASEDL

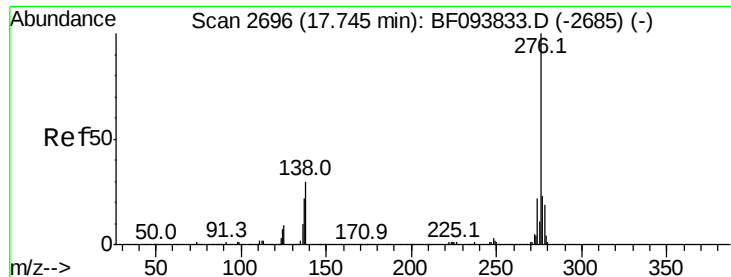
Tot Ion:228 Resp: 392068
Ion Ratio Lower Upper
228 100
226 31.5 22.6 33.8
229 20.1 16.3 24.5



#82
Chrysene
Concen: 22.44 ng
RT: 14.69 min Scan# 2176
Delta R.T. -0.03 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Tgt Ion:228 Resp: 371940
Ion Ratio Lower Upper
228 100
226 30.3 24.9 37.3
229 21.5 15.8 23.6

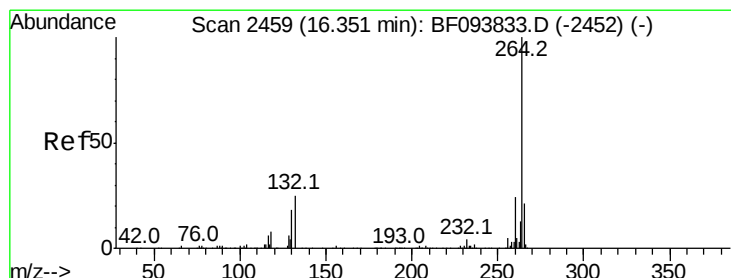
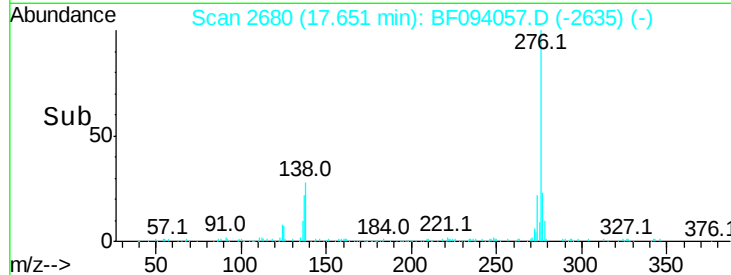
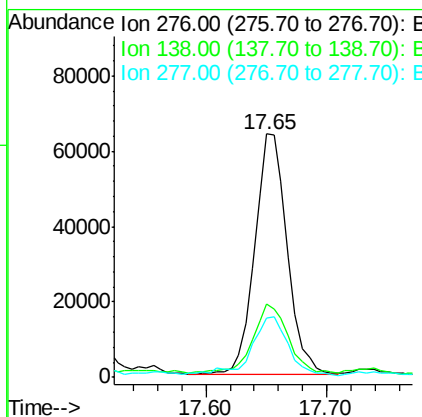
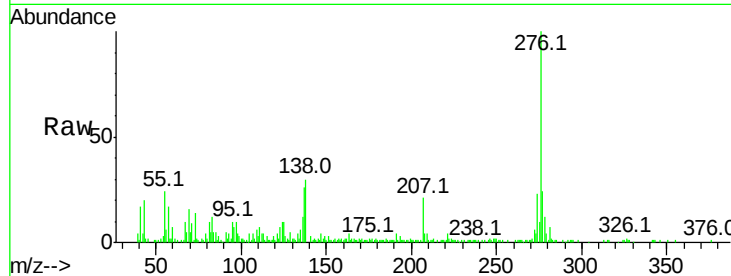




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.29 ng
 RT: 17.65 min Scan# 2680
 Delta R.T. -0.04 min
 Lab File: BF094057.D
 Acq: 30 Mar 2017 12:24

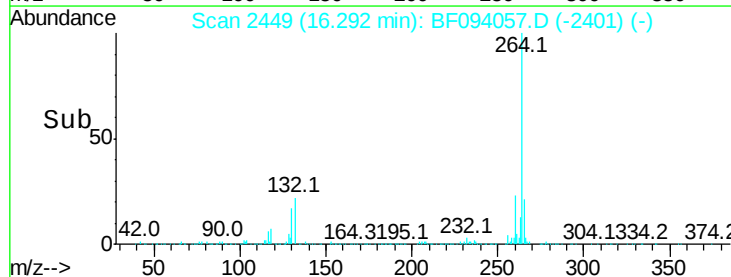
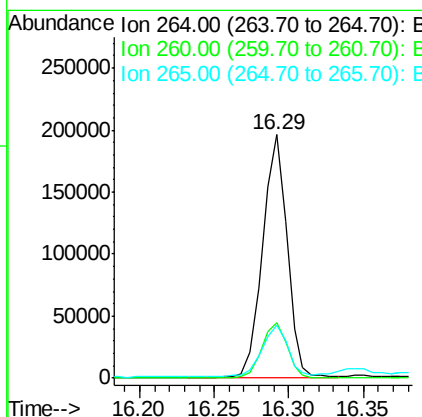
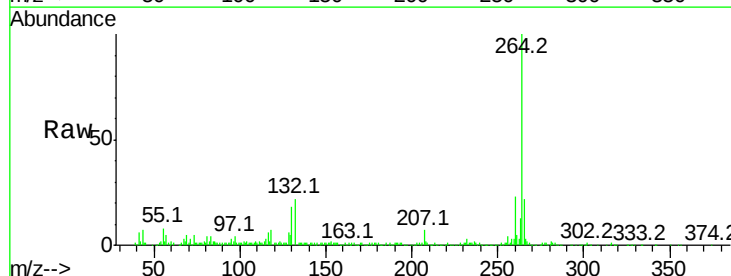
Instrument :
 BNA_F
 ClientSampleId :
 E2-P12-BASEDL

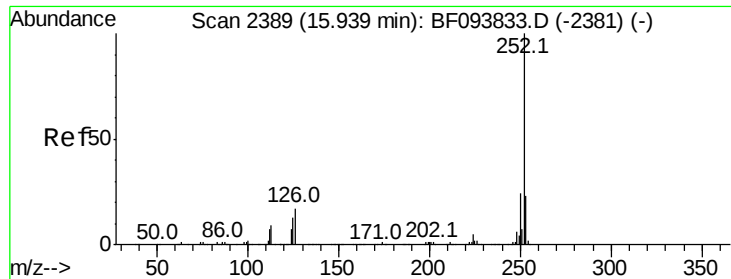
Tot Ion:276 Resp: 119065
 Ion Ratio Lower Upper
 276 100
 138 31.2 27.8 41.6
 277 27.9 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.29 min Scan# 2449
 Delta R.T. -0.02 min
 Lab File: BF094057.D
 Acq: 30 Mar 2017 12:24

Tgt Ion:264 Resp: 221854
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.5 29.3
 265 21.6 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 28.50 ng m

RT: 15.88 min Scan# 2379

Delta R.T. -0.02 min

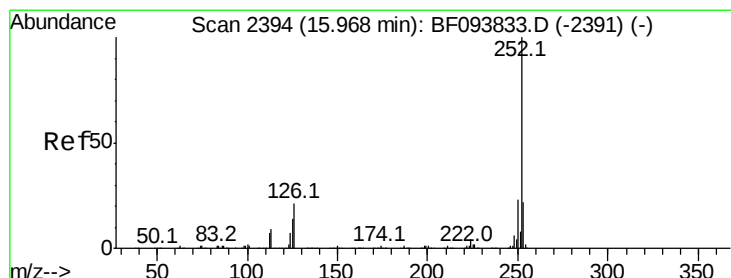
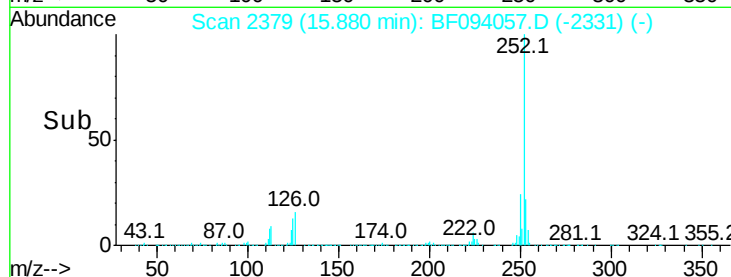
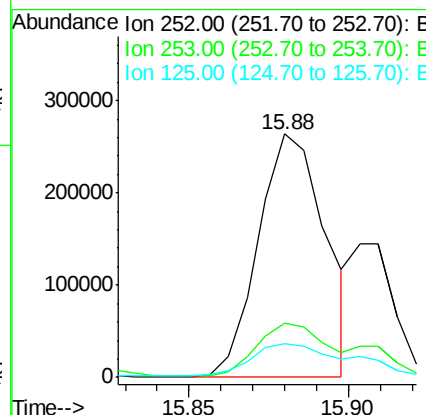
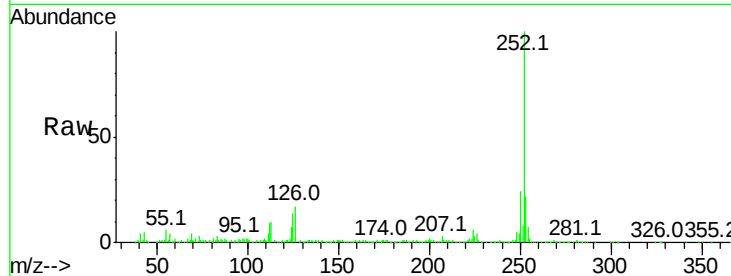
Lab File: BF094057.D

Acq: 30 Mar 2017 12:24

Instrument :
BNA_F
ClientSampleId :
E2-P12-BASEDL

Tot Ion:252 Resp: 387592

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	14.0	9.8	14.8



#88

Benzo(k)fluoranthene

Concen: 10.10 ng m

RT: 15.90 min Scan# 2383

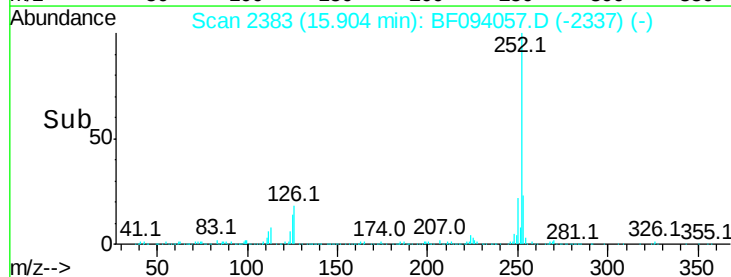
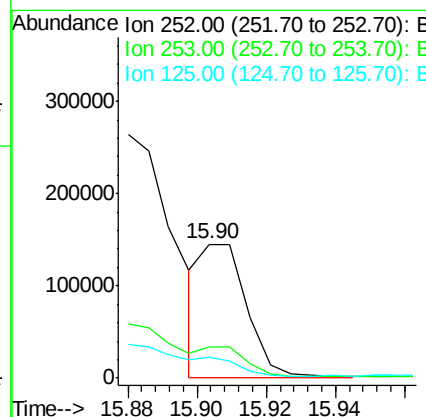
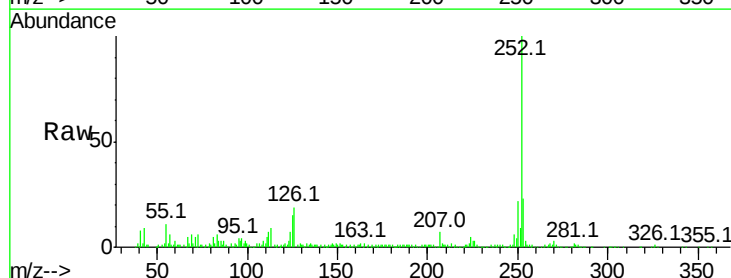
Delta R.T. -0.03 min

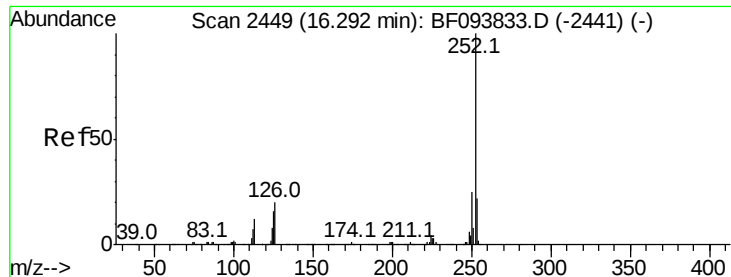
Lab File: BF094057.D

Acq: 30 Mar 2017 12:24

Tgt Ion:252 Resp: 134379

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	15.3	13.1	19.7





#89

Benzo(a)pyrene

Concen: 16.59 ng

RT: 16.23 min Scan# 2438

Delta R.T. -0.02 min

Lab File: BF094057.D

Acq: 30 Mar 2017 12:24

Instrument :

BNA_F

ClientSampleId :

E2-P12-BASEDL

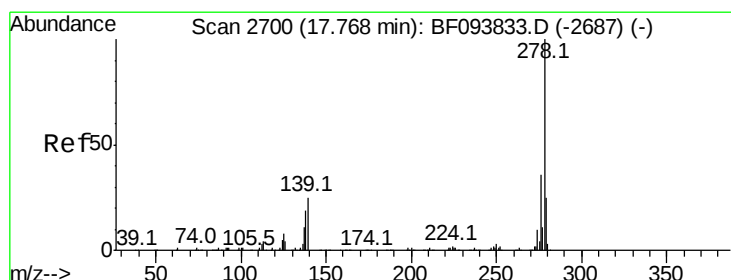
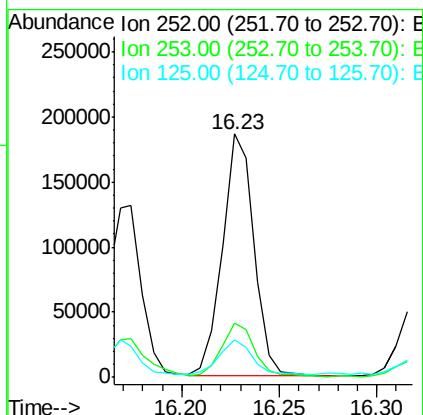
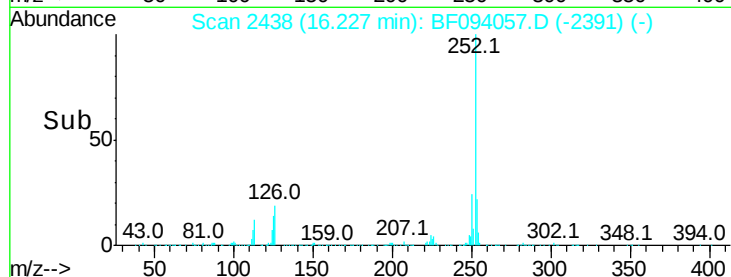
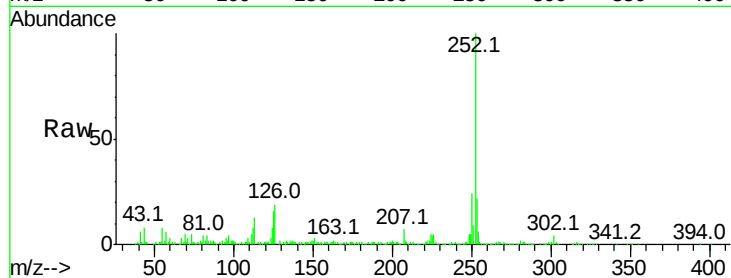
Tot Ion:252 Resp: 207798

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 15.6 11.0 16.4



#90

Dibenzo(a,h)anthracene

Concen: 3.01 ng

RT: 17.67 min Scan# 2683

Delta R.T. -0.04 min

Lab File: BF094057.D

Acq: 30 Mar 2017 12:24

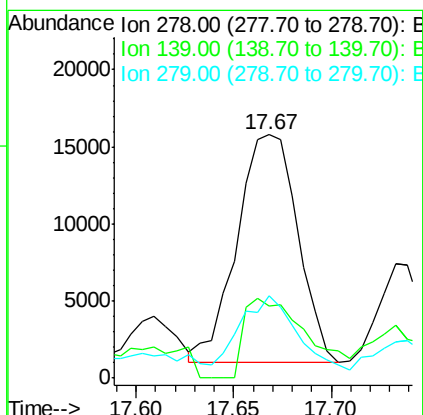
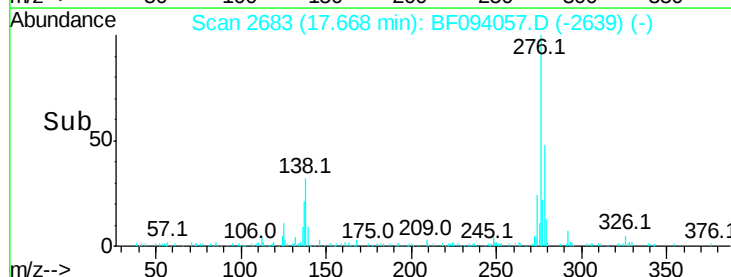
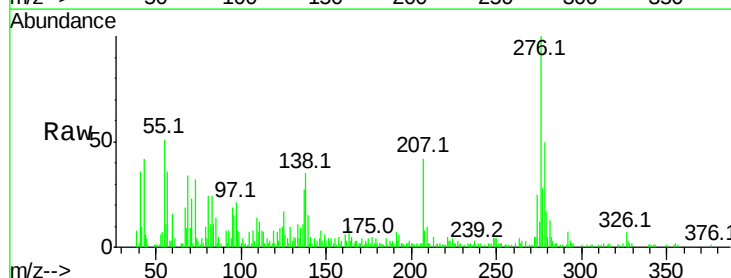
Tgt Ion:278 Resp: 31898

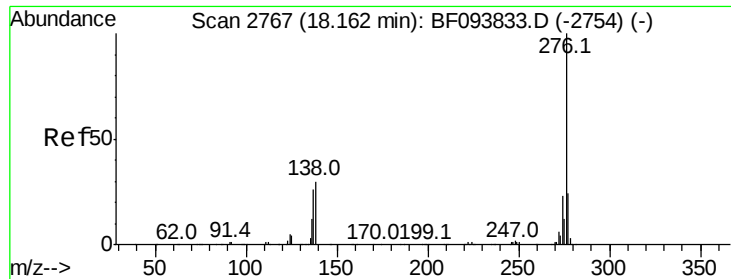
Ion Ratio Lower Upper

278 100

139 29.7 16.6 24.8#

279 33.7 19.3 28.9#





#91
 Benzo(a,h,i)perylene
 Concen: 9.37 ng
 RT: 18.06 min Scan# 2749
 Delta R.T. -0.04 min
 Lab File: BF094057.D
 Acq: 30 Mar 2017 12:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-P12-BASEDL

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.6	28.0
138	31.3	25.4	38.0

