

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
 Data File : BF094040.D
 Acq On : 30 Mar 2017 1:13
 Operator : SJ/MA
 Sample : I2443-14
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB-CC-8-9-BASE

Quant Time: Mar 30 03:26:17 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	168833	20.00	ng	-0.03
21) Naphthalene-d8	7.43	136	668642	20.00	ng	-0.03
38) Acenaphthene-d10	9.57	164	295296	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	483372	20.00	ng	-0.03
75) Chrysene-d12	14.64	240	316402	20.00	ng	-0.04
86) Perylene-d12	16.28	264	268218	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.47	112	1334634	133.52	ng	0.00
7) Phenol-d6	5.53	99	1675513	135.49	ng	-0.02
23) Nitrobenzene-d5	6.57	82	1029647	87.88	ng	-0.03
41) 2,4,6-Tribromophenol	10.55	330	314578	134.81	ng	-0.03
44) 2-Fluorobiphenyl	8.75	172	1544508	79.78	ng	-0.03
78) Terphenyl-d14	13.37	244	970953	68.79	ng	-0.03

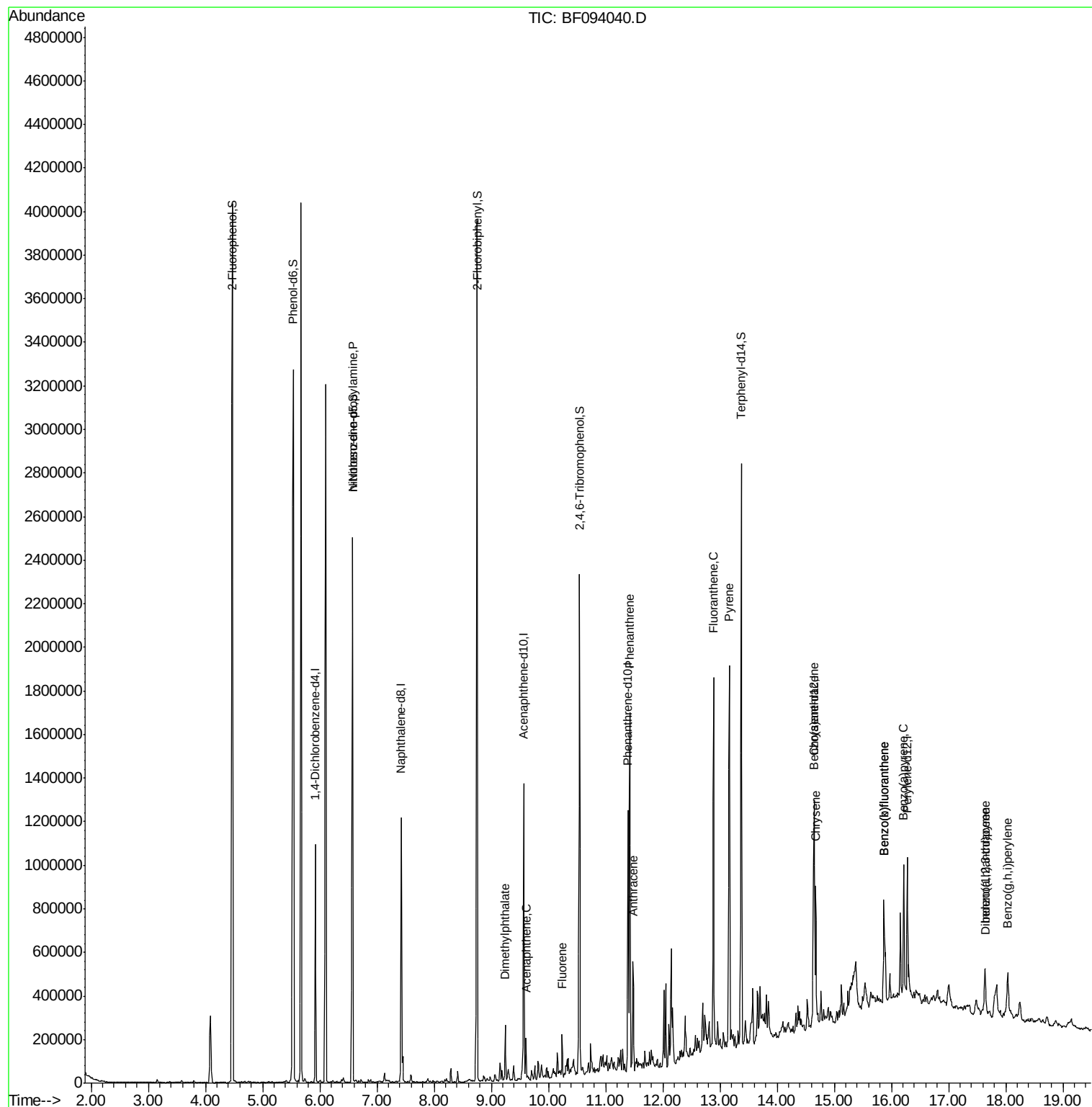
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	6.57	70	136871	17.22	ng	# 78
49) Dimethylphthalate	9.25	163	109287	5.21	ng	99
51) Acenaphthene	9.60	154	41032	2.27	ng	97
57) Fluorene	10.24	166	48539	2.38	ng	98
70) Phenanthrene	11.42	178	669454	24.90	ng	98
71) Anthracene	11.48	178	201383	7.27	ng	98
74) Fluoranthene	12.89	202	747047	27.13	ng	98
77) Pyrene	13.16	202	784942	34.18	ng	98
80) Benzo(a)anthracene	14.63	228	269078	14.58	ng	98
82) Chrysene	14.67	228	264196	15.43	ng	98
85) Indeno(1,2,3-cd)pyrene	17.64	276	133312	8.99	ng	95
87) Benzo(b)fluoranthene	15.87	252	357131	21.72	ng	# 96
88) Benzo(k)fluoranthene	15.87	252	357131	22.20	ng	99
89) Benzo(a)pyrene	16.22	252	249380	16.47	ng	97
90) Dibenzo(a,h)anthracene	17.65	278	33673	2.63	ng	# 87
91) Benzo(g,h,i)perylene	18.04	276	147538	11.42	ng	96

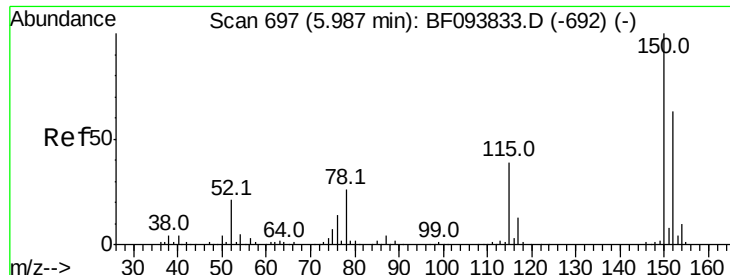
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
Data File : BF094040.D
Acq On : 30 Mar 2017 1:13
Operator : SJ/MA
Sample : I2443-14
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-BB-CC-8-9-BASE

Quant Time: Mar 30 03:26:17 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.92 min Scan# 686

Delta R.T. -0.03 min

Lab File: BF094040.D

Acq: 30 Mar 2017 1:13

Instrument :

BNA_F

ClientSampleId :

E2-BB-CC-8-9-BASE

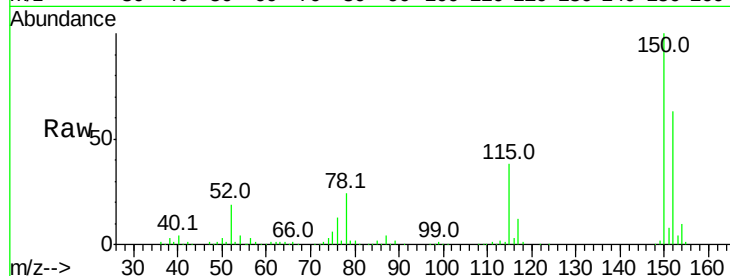
Tot Ion:152 Resp: 168833

Ion Ratio Lower Upper

152 100

150 158.9 126.2 189.2

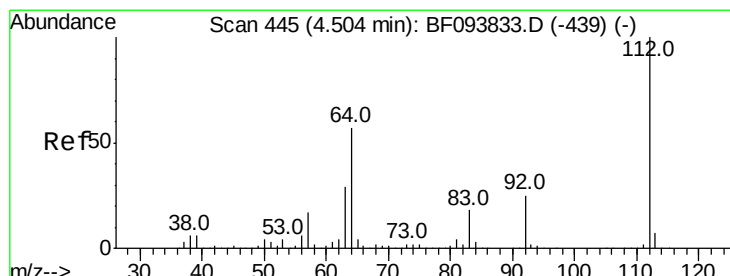
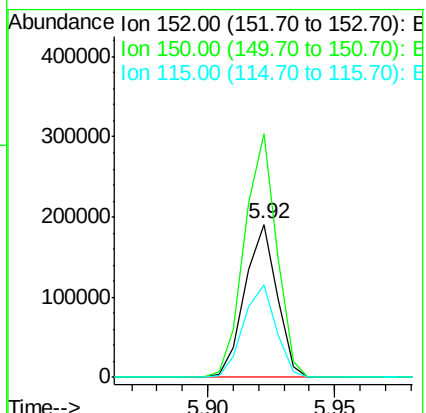
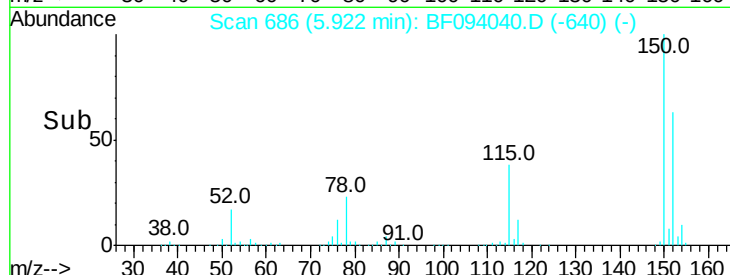
115 60.8 52.2 78.2



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: 133.52 ng

RT: 4.47 min Scan# 439

Delta R.T. -0.01 min

Lab File: BF094040.D

Acq: 30 Mar 2017 1:13

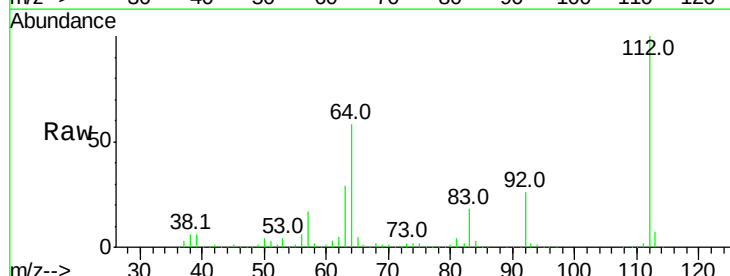
Tgt Ion:112 Resp: 1334634

Ion Ratio Lower Upper

112 100

64 57.7 46.0 69.0

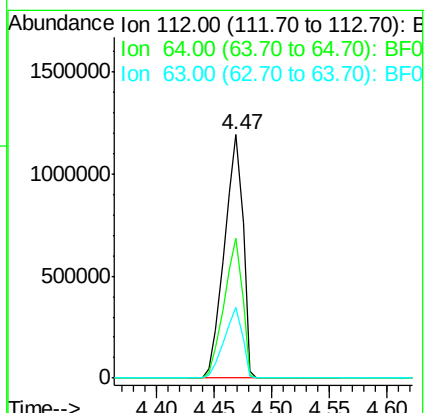
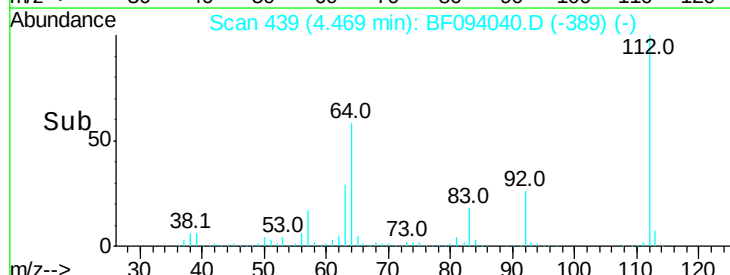
63 29.1 23.4 35.0

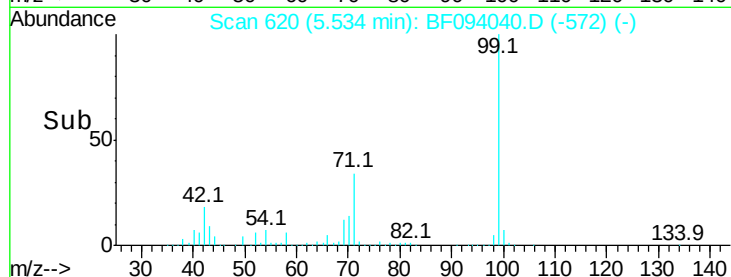
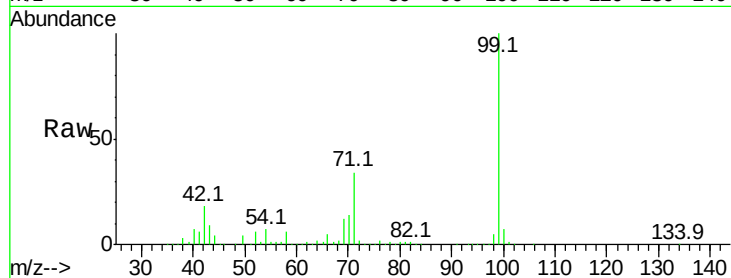
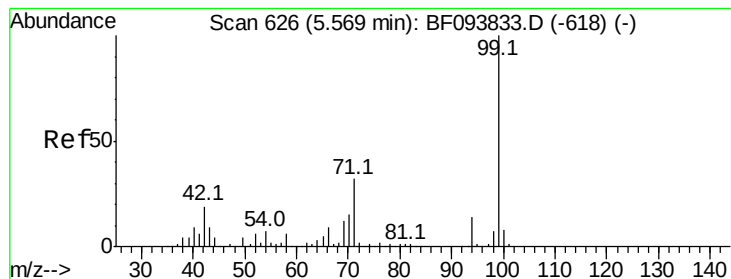


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 135.49 ng

RT: 5.53 min Scan# 620

Delta R.T. -0.02 min

Lab File: BF094040.D

Acq: 30 Mar 2017 1:13

Instrument :

BNA_F

ClientSampleId :

E2-BB-CC-8-9-BASE

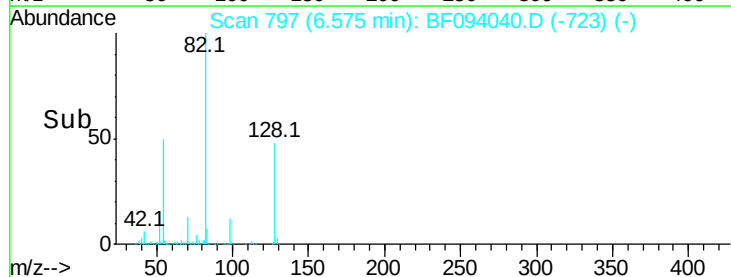
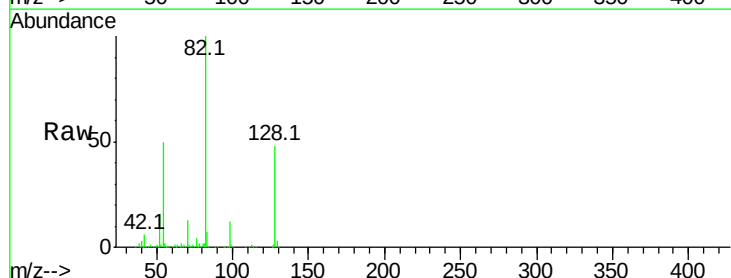
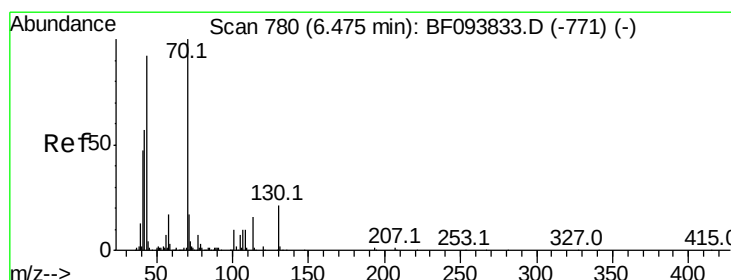
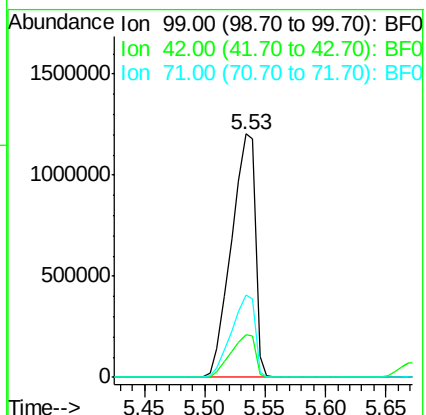
Tot Ion: 99 Resp: 1675513

Ion Ratio Lower Upper

99 100

42 17.7 13.5 20.3

71 33.7 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 17.22 ng

RT: 6.57 min Scan# 797

Delta R.T. 0.14 min

Lab File: BF094040.D

Acq: 30 Mar 2017 1:13

Tgt Ion: 70 Resp: 136871

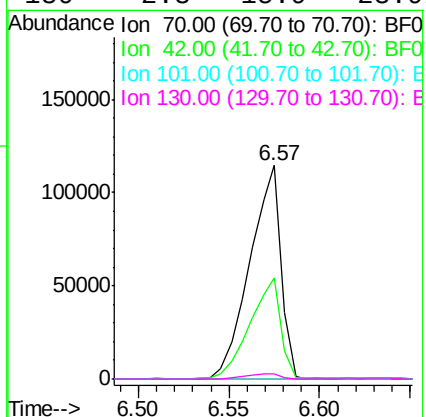
Ion Ratio Lower Upper

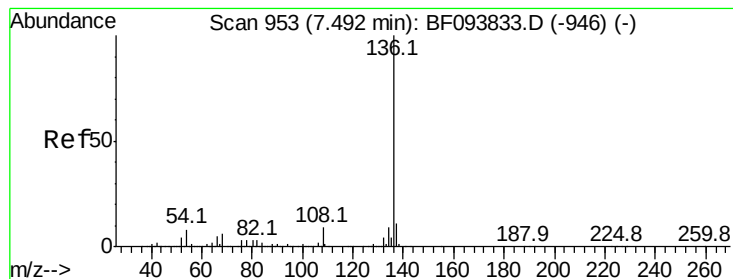
70 100

42 47.4 47.2 70.8

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.43 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF094040.D

Acq: 30 Mar 2017 1:13

Instrument :

BNA_F

ClientSampleId :

E2-BB-CC-8-9-BASE

Tot Ion:136 Resp: 668642

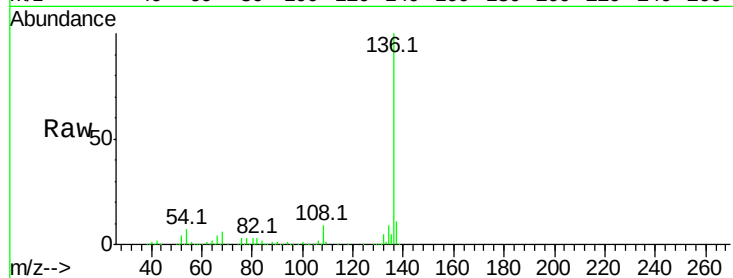
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 6.8 4.9 7.3

68 5.8 4.1 6.1

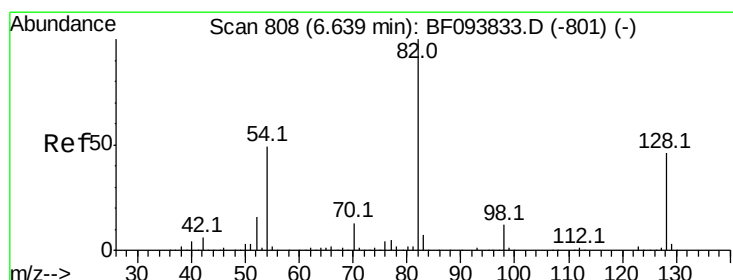
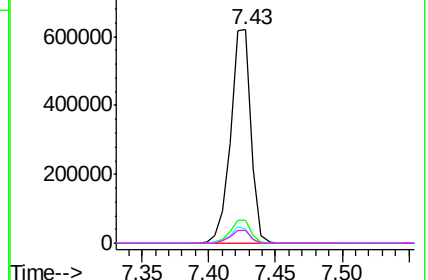
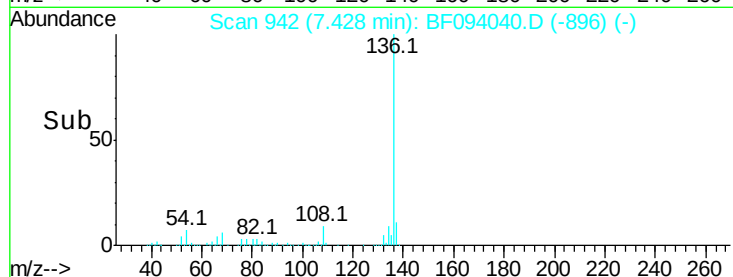


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.88 ng

RT: 6.57 min Scan# 797

Delta R.T. -0.03 min

Lab File: BF094040.D

Acq: 30 Mar 2017 1:13

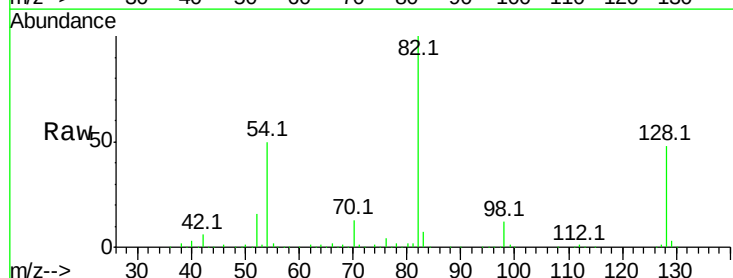
Tgt Ion: 82 Resp: 1029647

Ion Ratio Lower Upper

82 100

128 48.0 34.0 51.0

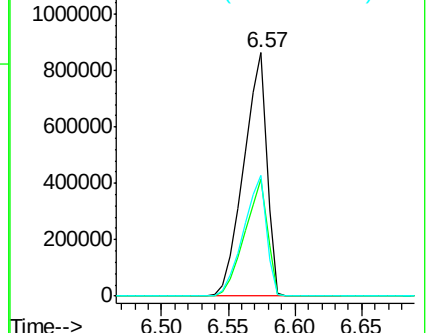
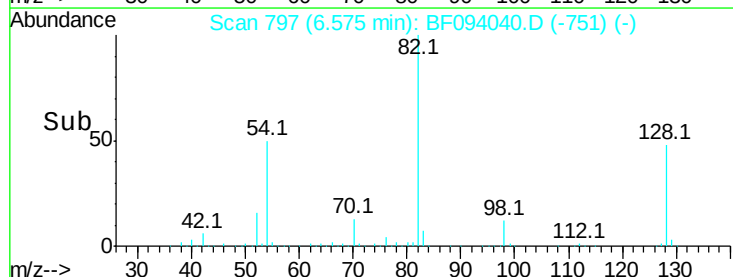
54 49.5 42.2 63.2

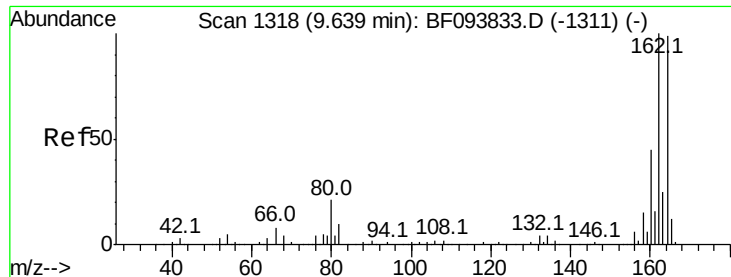


Abundance Ion 82.00 (81.70 to 82.70): BF0

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# 1306

Delta R.T. -0.03 min

Lab File: BF094040.D

Acq: 30 Mar 2017 1:13

Instrument :

BNA_F

ClientSampleId :

E2-BB-CC-8-9-BASE

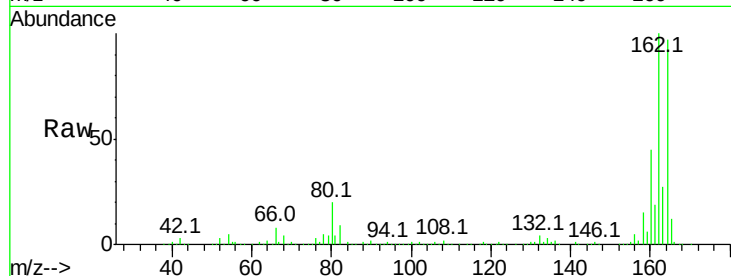
Tot Ion:164 Resp: 295296

Ion Ratio Lower Upper

164 100

162 103.5 82.6 123.8

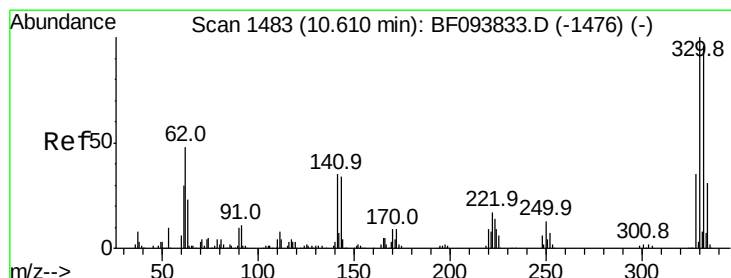
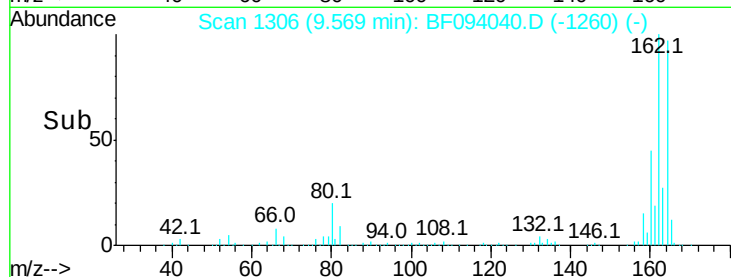
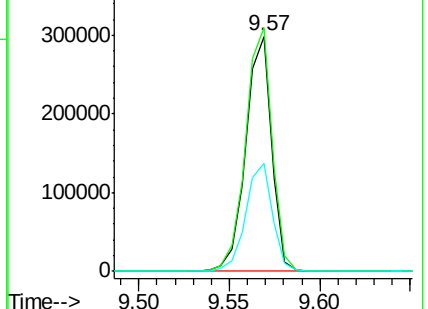
160 46.1 36.2 54.2



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: 134.81 ng

RT: 10.55 min Scan# 1472

Delta R.T. -0.03 min

Lab File: BF094040.D

Acq: 30 Mar 2017 1:13

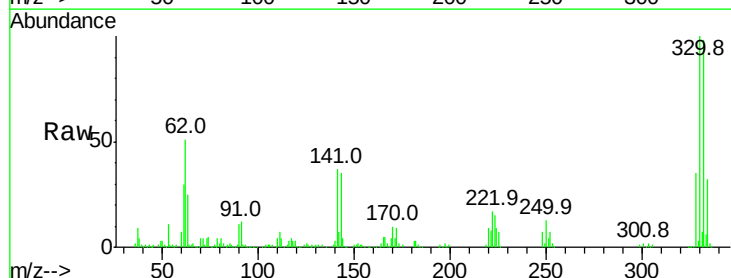
Tgt Ion:330 Resp: 314578

Ion Ratio Lower Upper

330 100

332 97.1 76.6 115.0

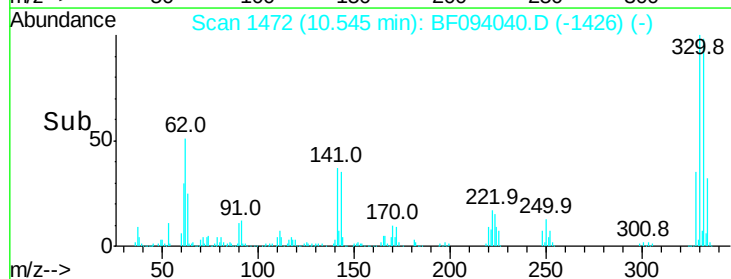
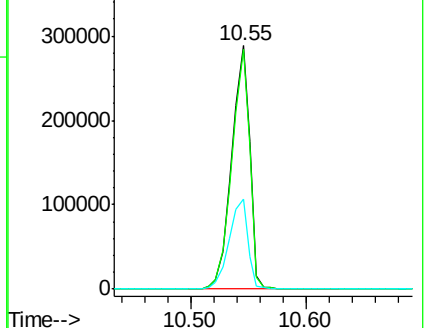
141 38.7 31.4 47.2

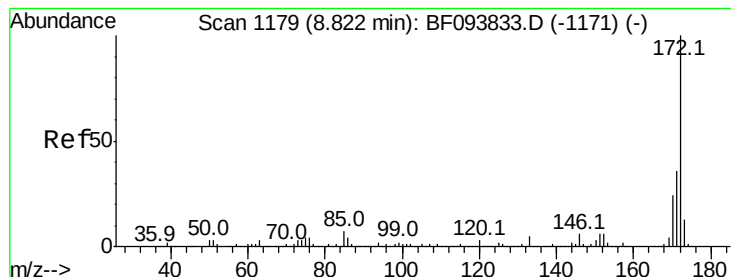


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 79.78 ng

RT: 8.75 min Scan# 1167

Delta R.T. -0.03 min

Lab File: BF094040.D

Acq: 30 Mar 2017 1:13

Instrument :

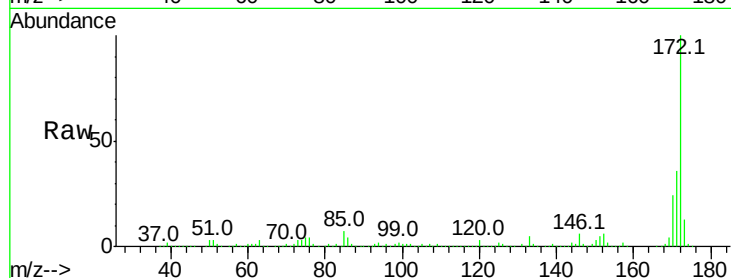
BNA_F

ClientSampleId :

E2-BB-CC-8-9-BASE

Tot Ion:172 Resp: 1544508

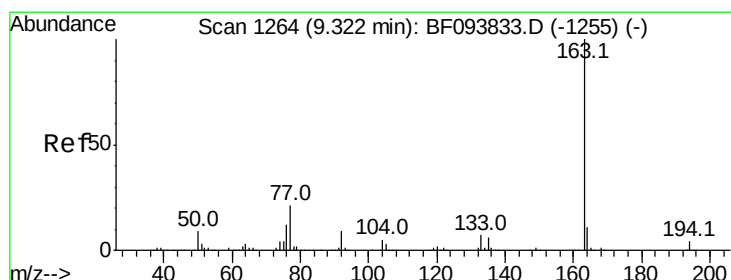
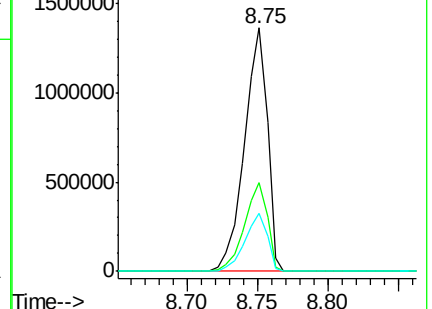
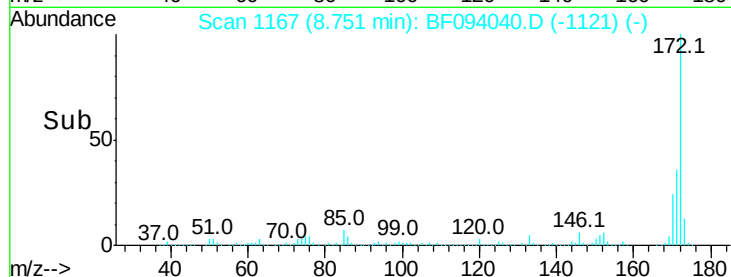
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	24.0	19.8	29.8



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



#49

Dimethylphthalate

Concen: 5.21 ng

RT: 9.25 min Scan# 1251

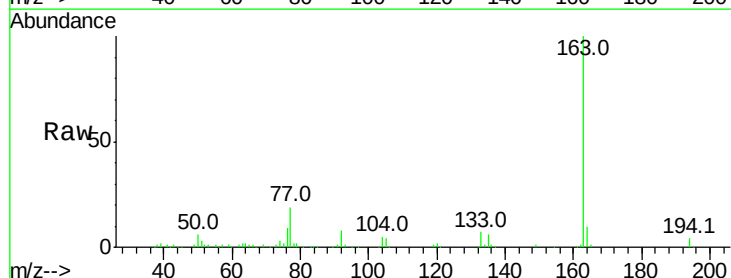
Delta R.T. -0.04 min

Lab File: BF094040.D

Acq: 30 Mar 2017 1:13

Tgt Ion:163 Resp: 109287

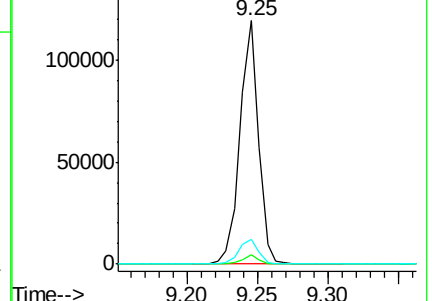
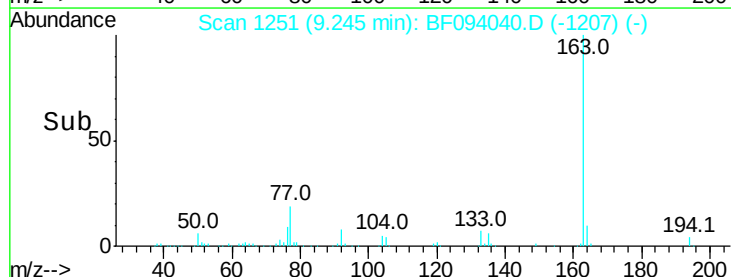
Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	10.0	8.4	12.6

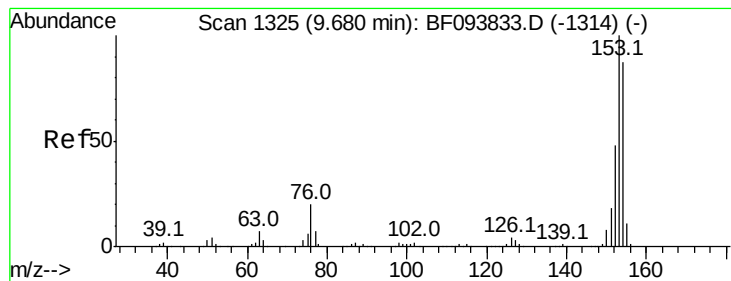


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.27 ng

RT: 9.60 min Scan# 1312

Delta R.T. -0.04 min

Lab File: BF094040.D

Acq: 30 Mar 2017 1:13

Instrument :

BNA_F

ClientSampleId :

E2-BB-CC-8-9-BASE

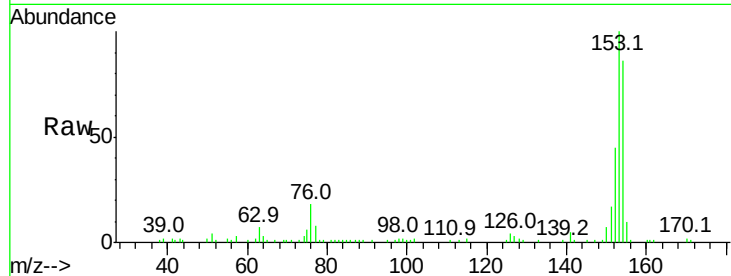
Tot Ion:154 Resp: 41032

Ion Ratio Lower Upper

154 100

153 116.8 90.5 135.7

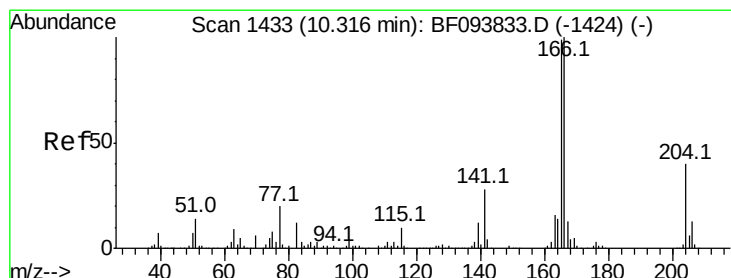
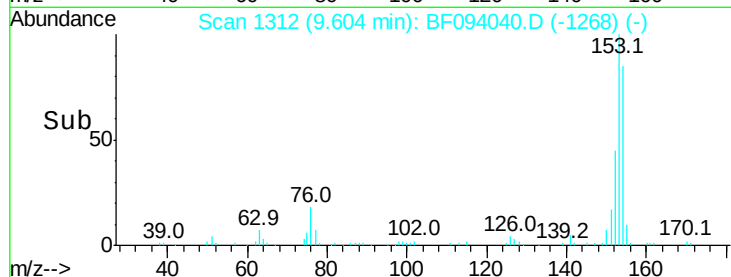
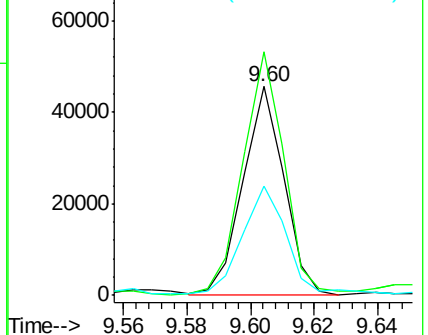
152 52.3 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.38 ng

RT: 10.24 min Scan# 1420

Delta R.T. -0.04 min

Lab File: BF094040.D

Acq: 30 Mar 2017 1:13

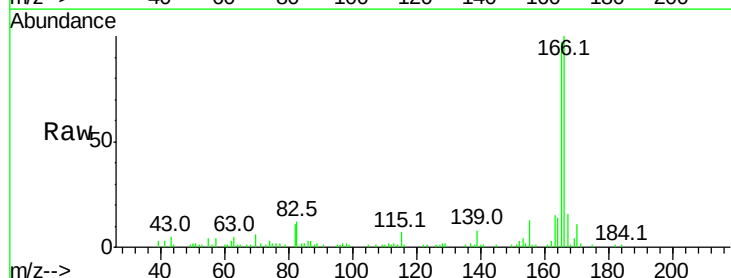
Tgt Ion:166 Resp: 48539

Ion Ratio Lower Upper

166 100

165 97.2 78.8 118.2

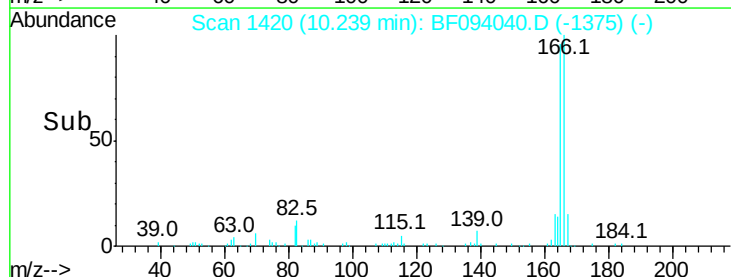
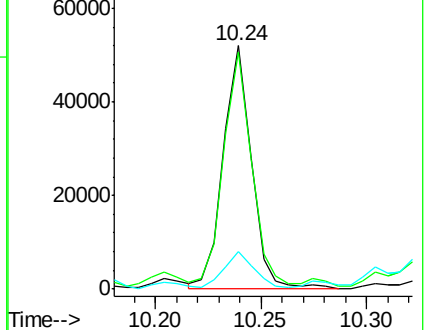
167 15.7 10.6 16.0

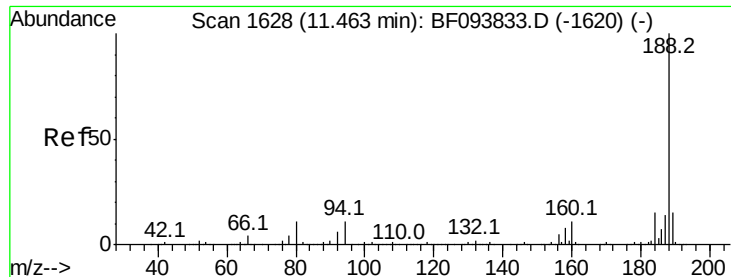


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

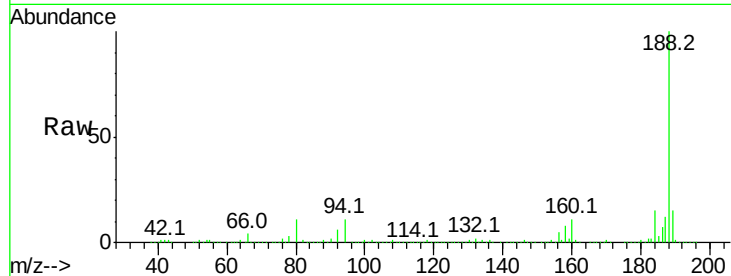




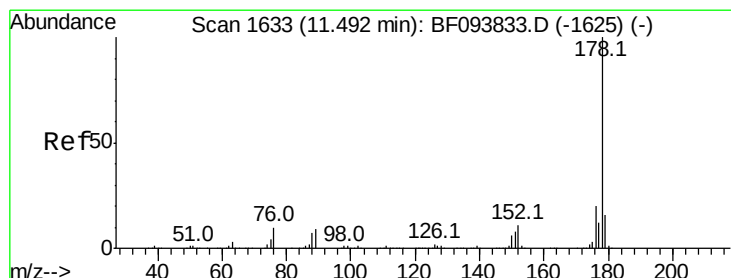
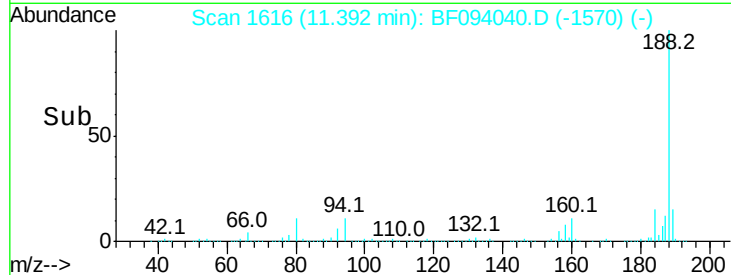
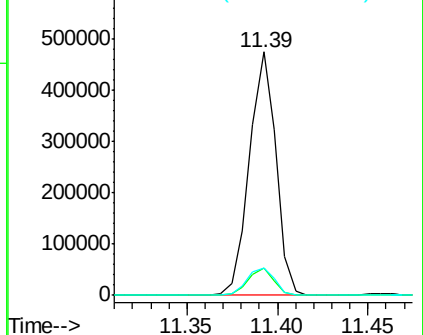
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1616
Delta R.T. -0.03 min
Lab File: BF094040.D
Acq: 30 Mar 2017 1:13

Instrument :
BNA_F
ClientSampleId :
E2-BB-CC-8-9-BASE

Tot Ion:188 Resp: 483372
Ion Ratio Lower Upper
188 100
94 11.0 9.4 14.2
80 11.1 10.2 15.2

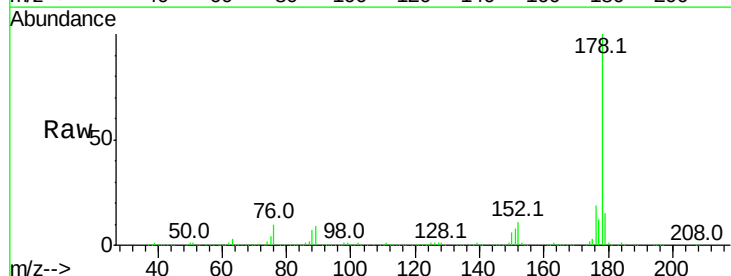


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

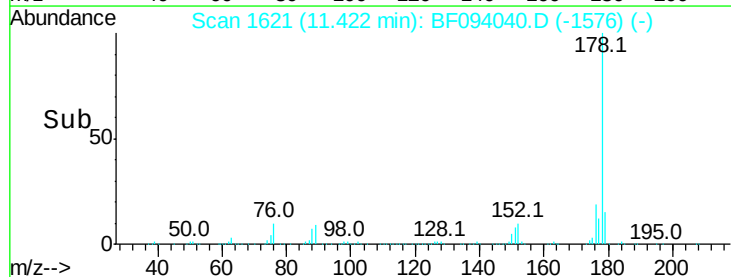
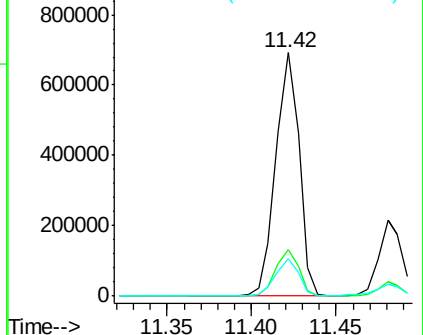


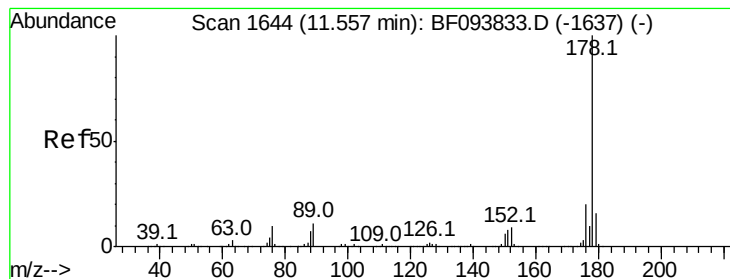
#70
Phenanthrene
Concen: 24.90 ng
RT: 11.42 min Scan# 1621
Delta R.T. -0.04 min
Lab File: BF094040.D
Acq: 30 Mar 2017 1:13

Tgt Ion:178 Resp: 669454
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.4
179 15.4 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: 7.27 ng

RT: 11.48 min Scan# 1631

Delta R.T. -0.04 min

Lab File: BF094040.D

Acq: 30 Mar 2017 1:13

Instrument :

BNA_F

ClientSampleId :

E2-BB-CC-8-9-BASE

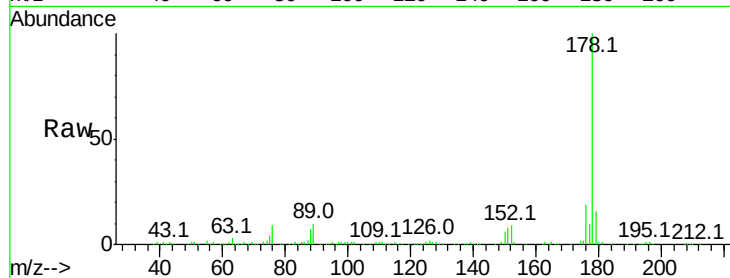
Tot Ion:178 Resp: 201383

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.8

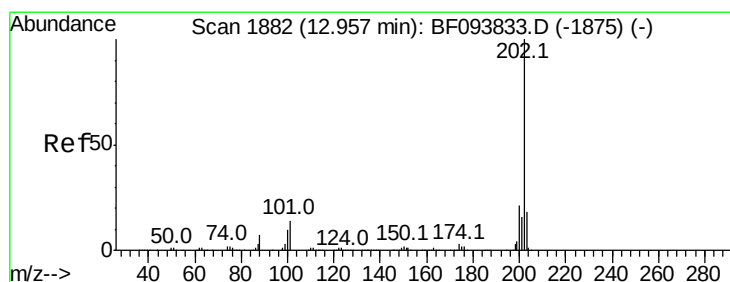
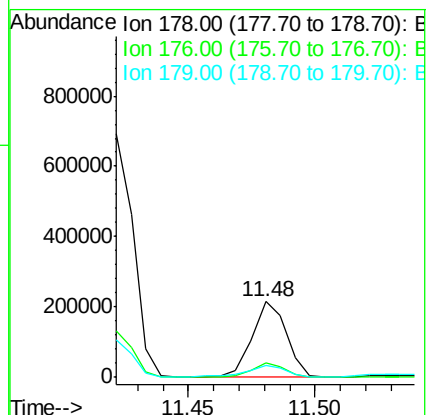
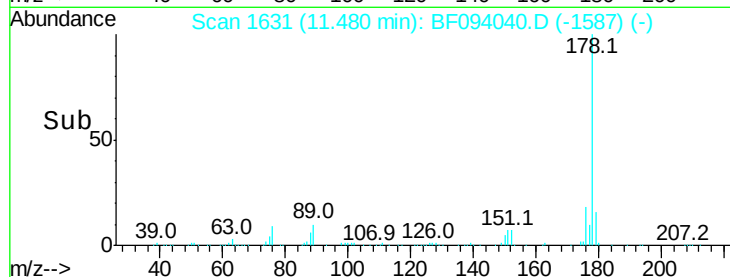
179 16.4 12.7 19.1



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: 27.13 ng

RT: 12.89 min Scan# 1870

Delta R.T. -0.04 min

Lab File: BF094040.D

Acq: 30 Mar 2017 1:13

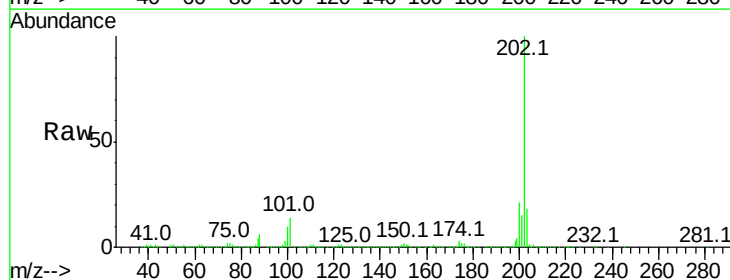
Tgt Ion:202 Resp: 747047

Ion Ratio Lower Upper

202 100

101 14.1 0.0 33.2

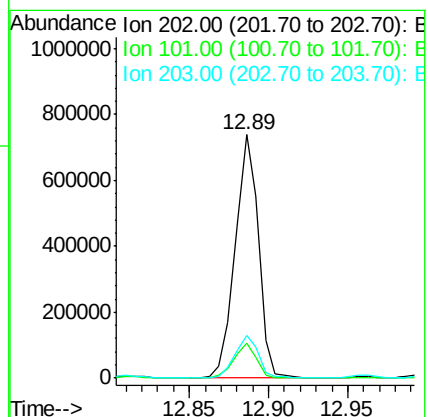
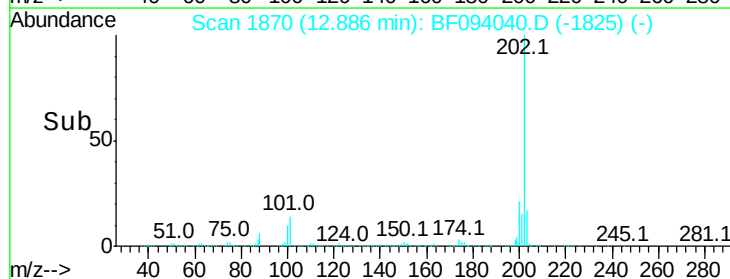
203 17.6 0.0 38.1

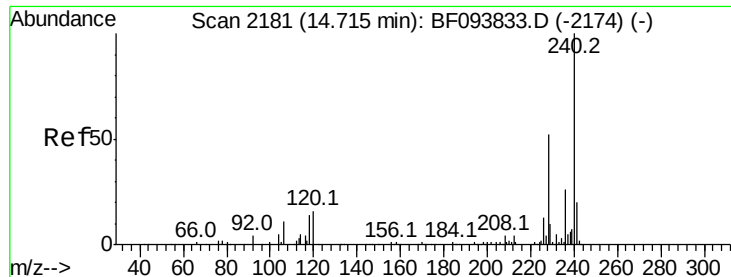


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.64 min Scan# 2169

Delta R.T. -0.04 min

Lab File: BF094040.D

Acq: 30 Mar 2017 1:13

Instrument :

BNA_F

ClientSampleId :

E2-BB-CC-8-9-BASE

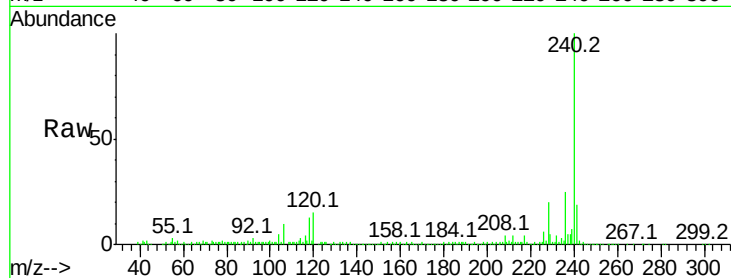
Tot Ion:240 Resp: 316402

Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

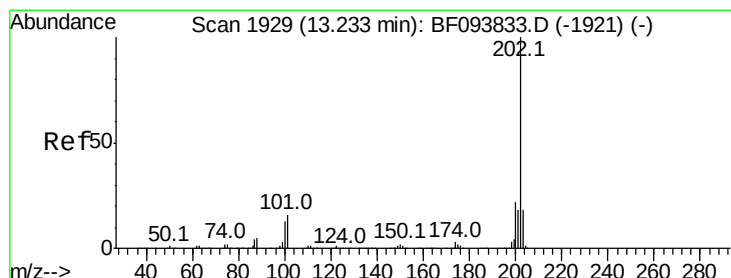
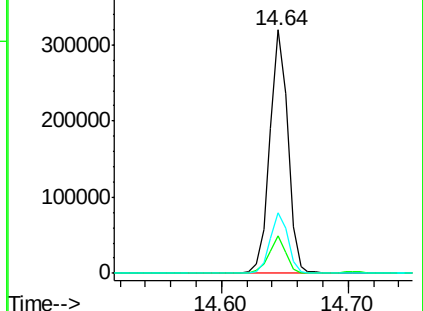
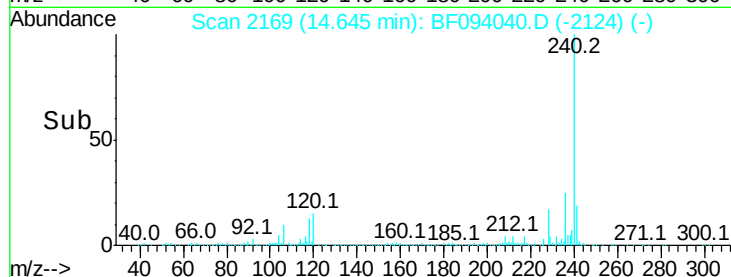
236 24.9 20.5 30.7



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

Pyrene

Concen: 34.18 ng

RT: 13.16 min Scan# 1917

Delta R.T. -0.04 min

Lab File: BF094040.D

Acq: 30 Mar 2017 1:13

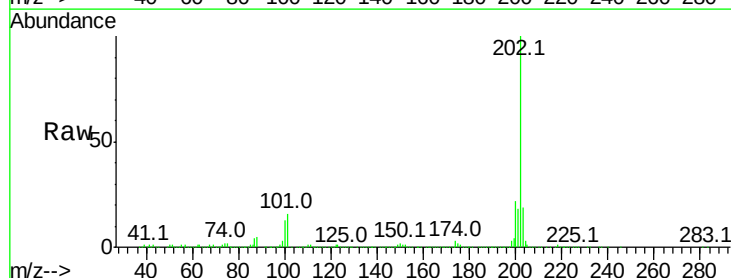
Tgt Ion:202 Resp: 784942

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

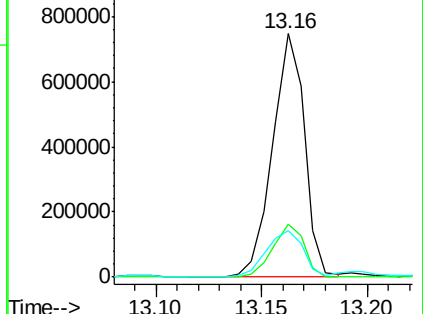
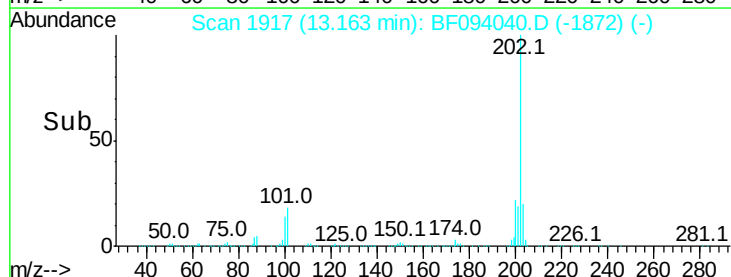
203 19.2 14.4 21.6

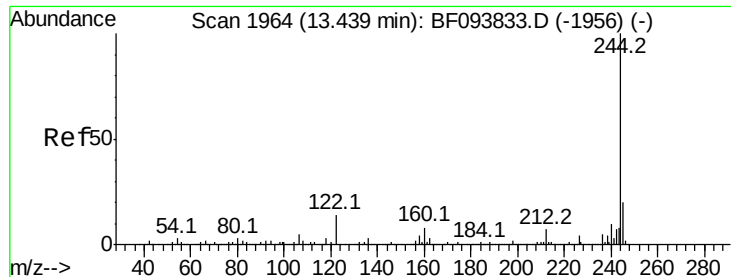


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 68.79 ng

RT: 13.37 min Scan# 1953

Delta R.T. -0.03 min

Lab File: BF094040.D

Acq: 30 Mar 2017 1:13

Instrument :

BNA_F

ClientSampleId :

E2-BB-CC-8-9-BASE

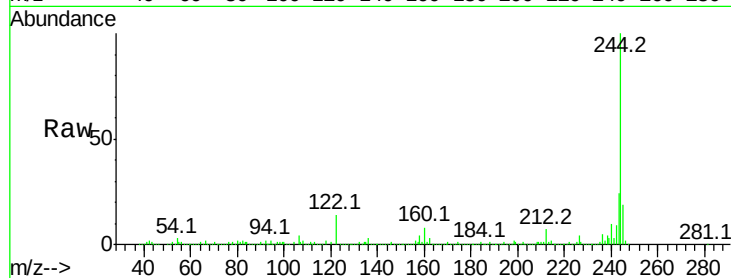
Tot Ion:244 Resp: 970953

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

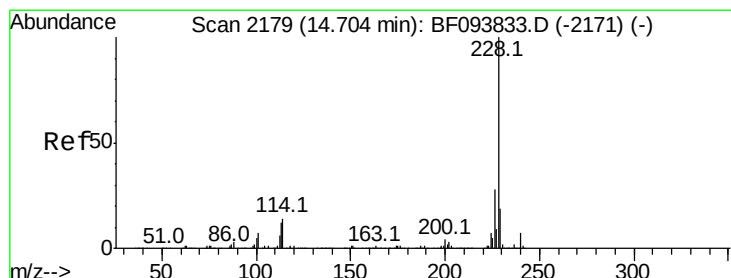
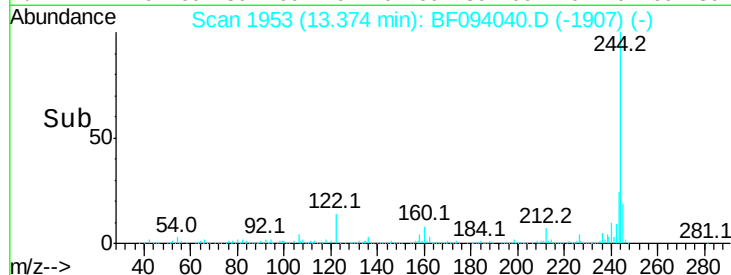
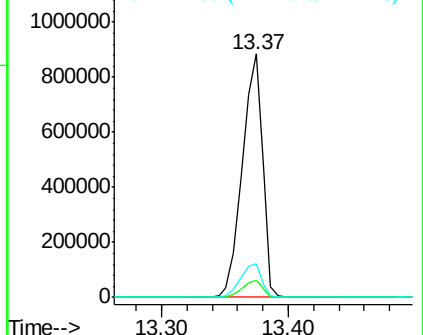
122 13.8 10.3 15.5



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: 14.58 ng

RT: 14.63 min Scan# 2167

Delta R.T. -0.04 min

Lab File: BF094040.D

Acq: 30 Mar 2017 1:13

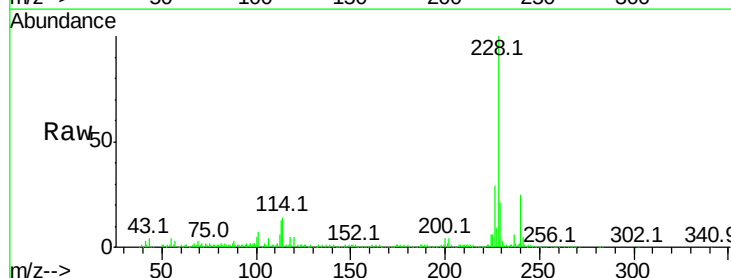
Tgt Ion:228 Resp: 269078

Ion Ratio Lower Upper

228 100

226 29.4 22.6 33.8

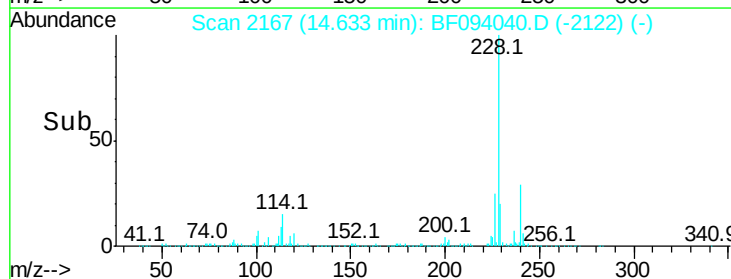
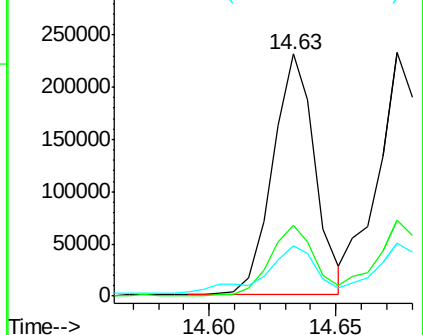
229 20.6 16.3 24.5

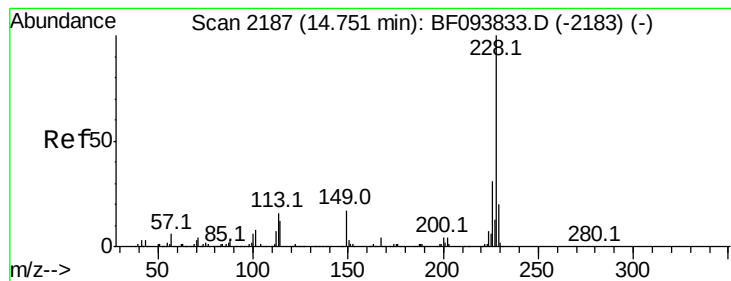


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 15.43 ng

RT: 14.67 min Scan# 2174

Delta R.T. -0.04 min

Lab File: BF094040.D

Acq: 30 Mar 2017 1:13

Instrument :

BNA_F

ClientSampleId :

E2-BB-CC-8-9-BASE

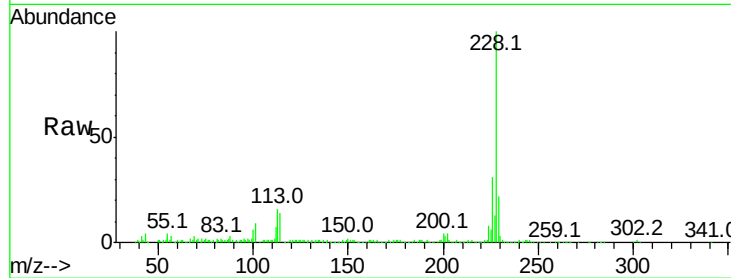
Tot Ion:228 Resp: 264196

Ion Ratio Lower Upper

228 100

226 31.0 24.9 37.3

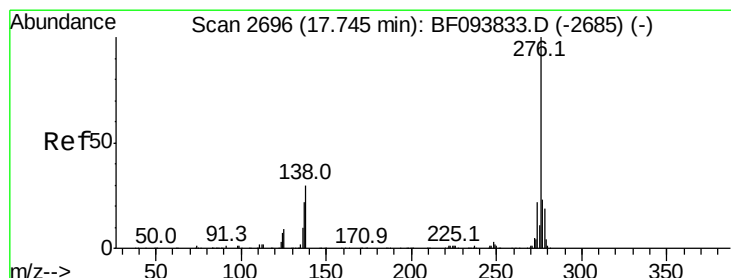
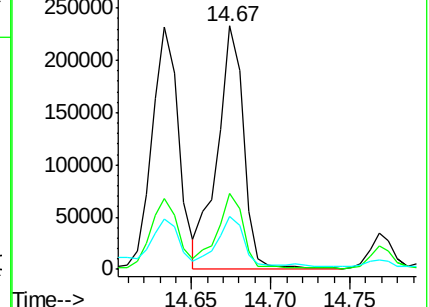
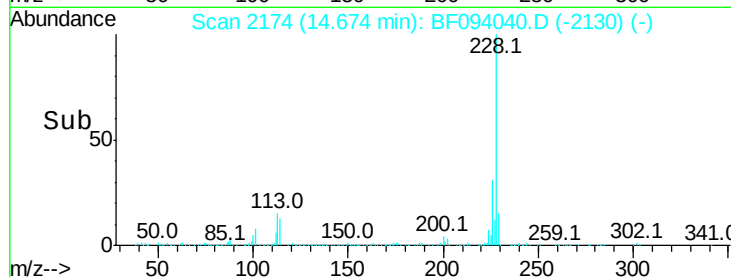
229 21.9 15.8 23.6



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: 8.99 ng

RT: 17.64 min Scan# 2678

Delta R.T. -0.05 min

Lab File: BF094040.D

Acq: 30 Mar 2017 1:13

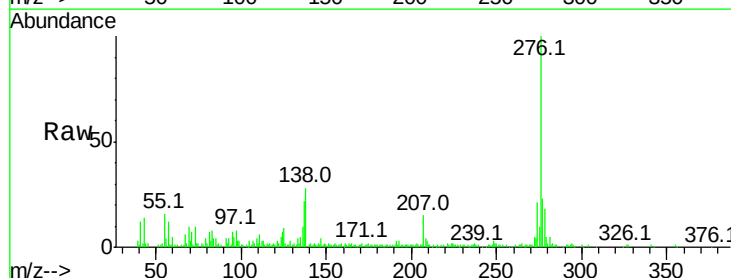
Tgt Ion:276 Resp: 133312

Ion Ratio Lower Upper

276 100

138 32.4 27.8 41.6

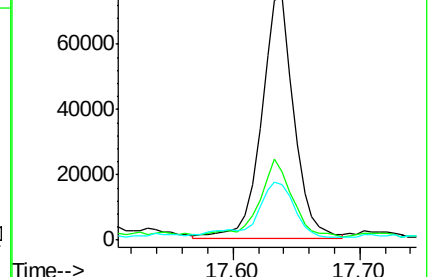
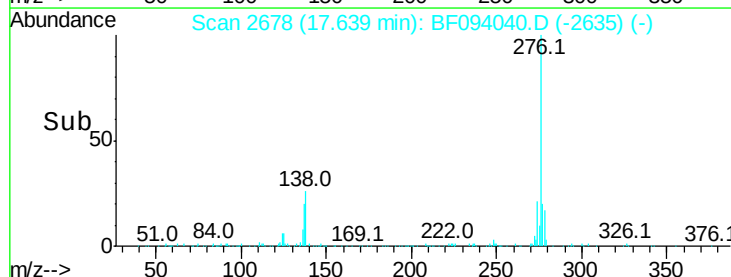
277 27.9 20.2 30.4

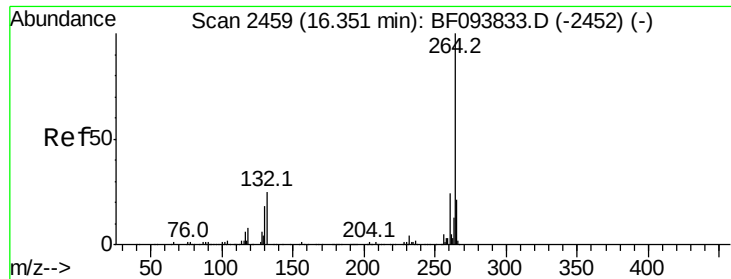


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

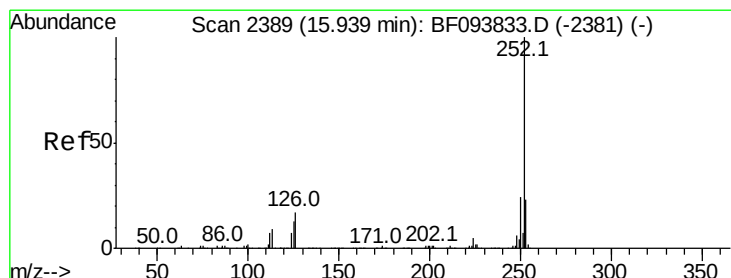
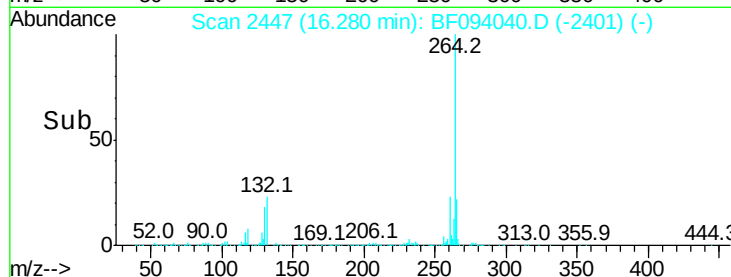
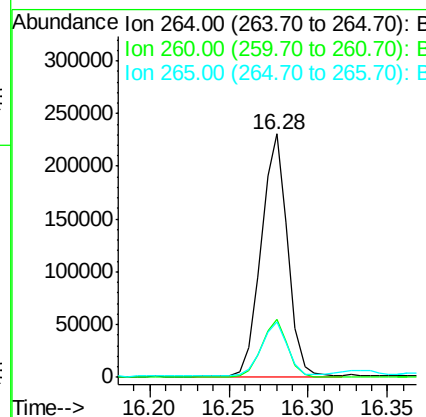
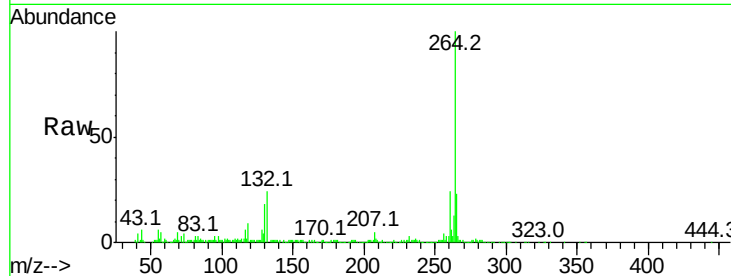




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.28 min Scan# 2447
Delta R.T. -0.03 min
Lab File: BF094040.D
Acq: 30 Mar 2017 1:13

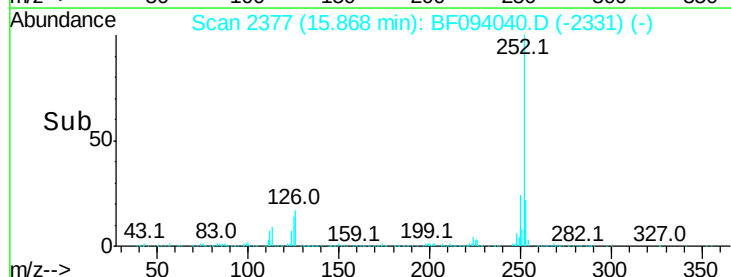
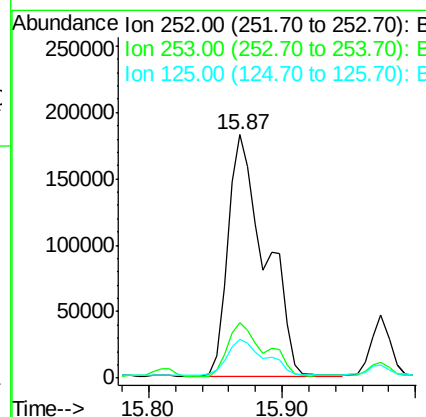
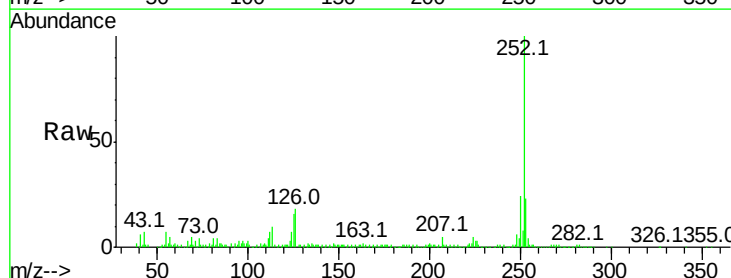
Instrument :
BNA_F
ClientSampleId :
E2-BB-CC-8-9-BASE

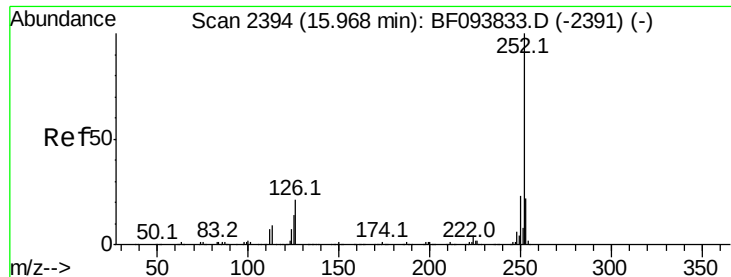
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	22.6	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 21.72 ng
RT: 15.87 min Scan# 2377
Delta R.T. -0.03 min
Lab File: BF094040.D
Acq: 30 Mar 2017 1:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	15.7	9.8	14.8#

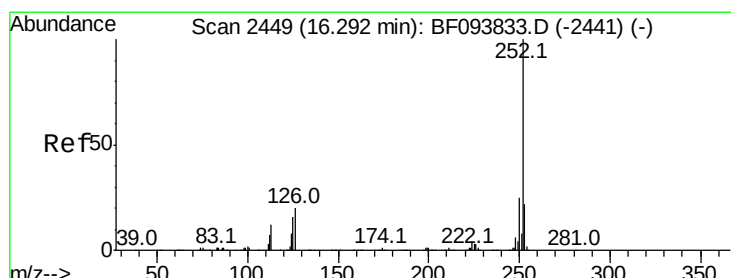
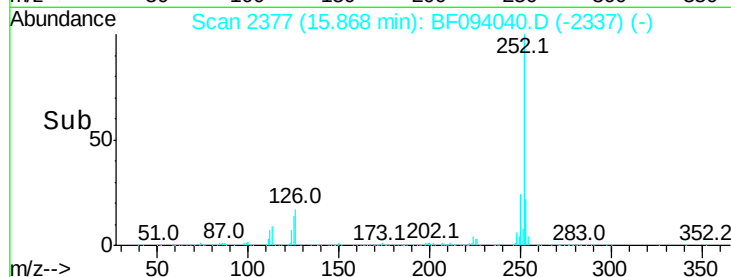
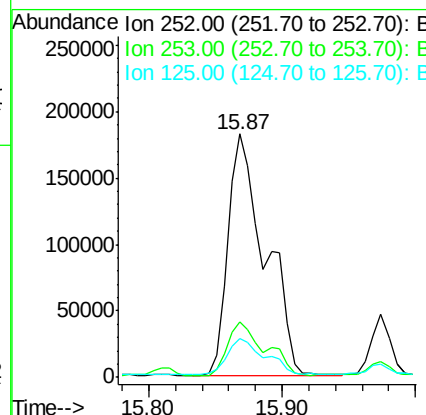
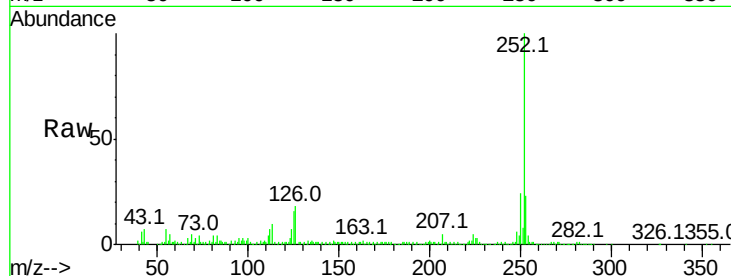




#88
Benzo(k)fluoranthene
Concen: 22.20 ng
RT: 15.87 min Scan# 2377
Delta R.T. -0.06 min
Lab File: BF094040.D
Acq: 30 Mar 2017 1:13

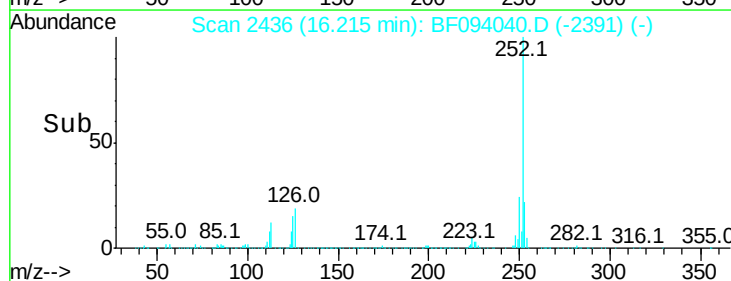
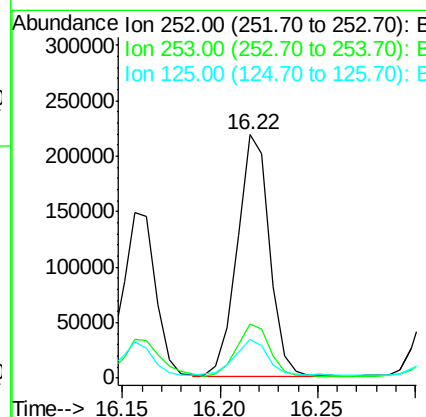
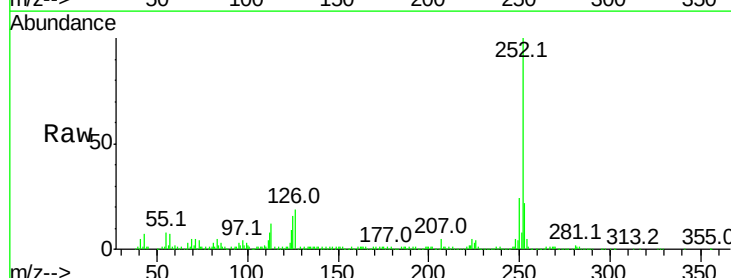
Instrument :
BNA_F
ClientSampleId :
E2-BB-CC-8-9-BASE

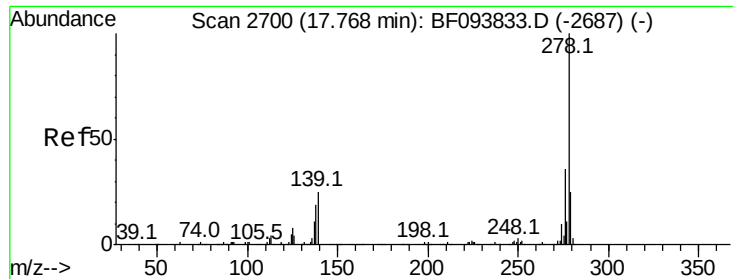
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	15.7	13.1	19.7



#89
Benzo(a)pyrene
Concen: 16.47 ng
RT: 16.22 min Scan# 2436
Delta R.T. -0.04 min
Lab File: BF094040.D
Acq: 30 Mar 2017 1:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	16.0	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 2.63 ng

RT: 17.65 min Scan# 2680

Delta R.T. -0.06 min

Lab File: BF094040.D

Acq: 30 Mar 2017 1:13

Instrument :

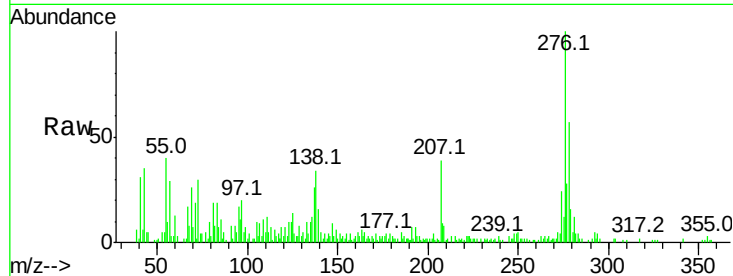
BNA_F

ClientSampleId :

E2-BB-CC-8-9-BASE

Tot Ion:278 Resp: 33673

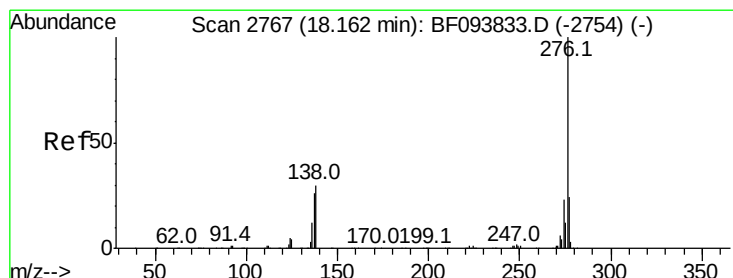
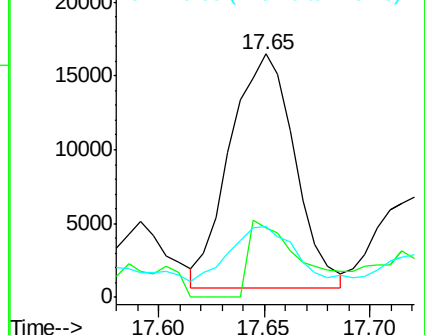
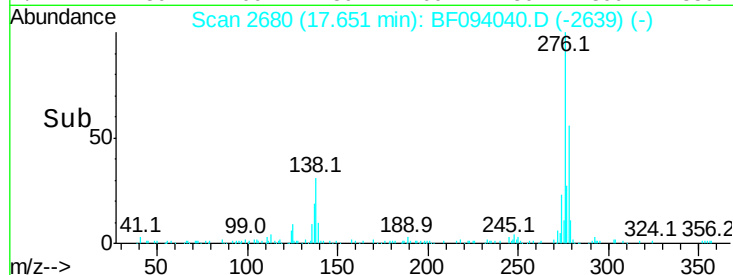
Ion	Ratio	Lower	Upper
278	100		
139	28.3	16.6	24.8#
279	29.0	19.3	28.9#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 11.42 ng

RT: 18.04 min Scan# 2746

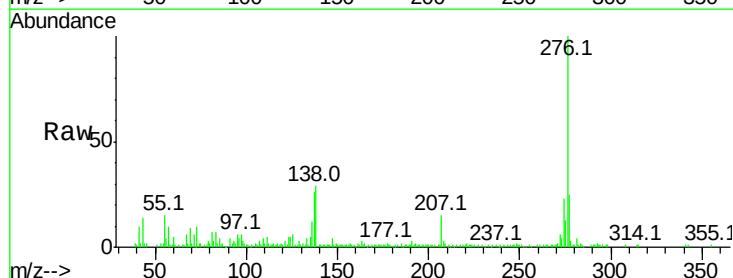
Delta R.T. -0.06 min

Lab File: BF094040.D

Acq: 30 Mar 2017 1:13

Tgt Ion:276 Resp: 147538

Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.6	28.0
138	29.4	25.4	38.0



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

