

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
 Data File : BF094262.D
 Acq On : 7 Apr 2017 9:12
 Operator : SJ/MA
 Sample : I2563-02DL 2X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 07 13:16:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

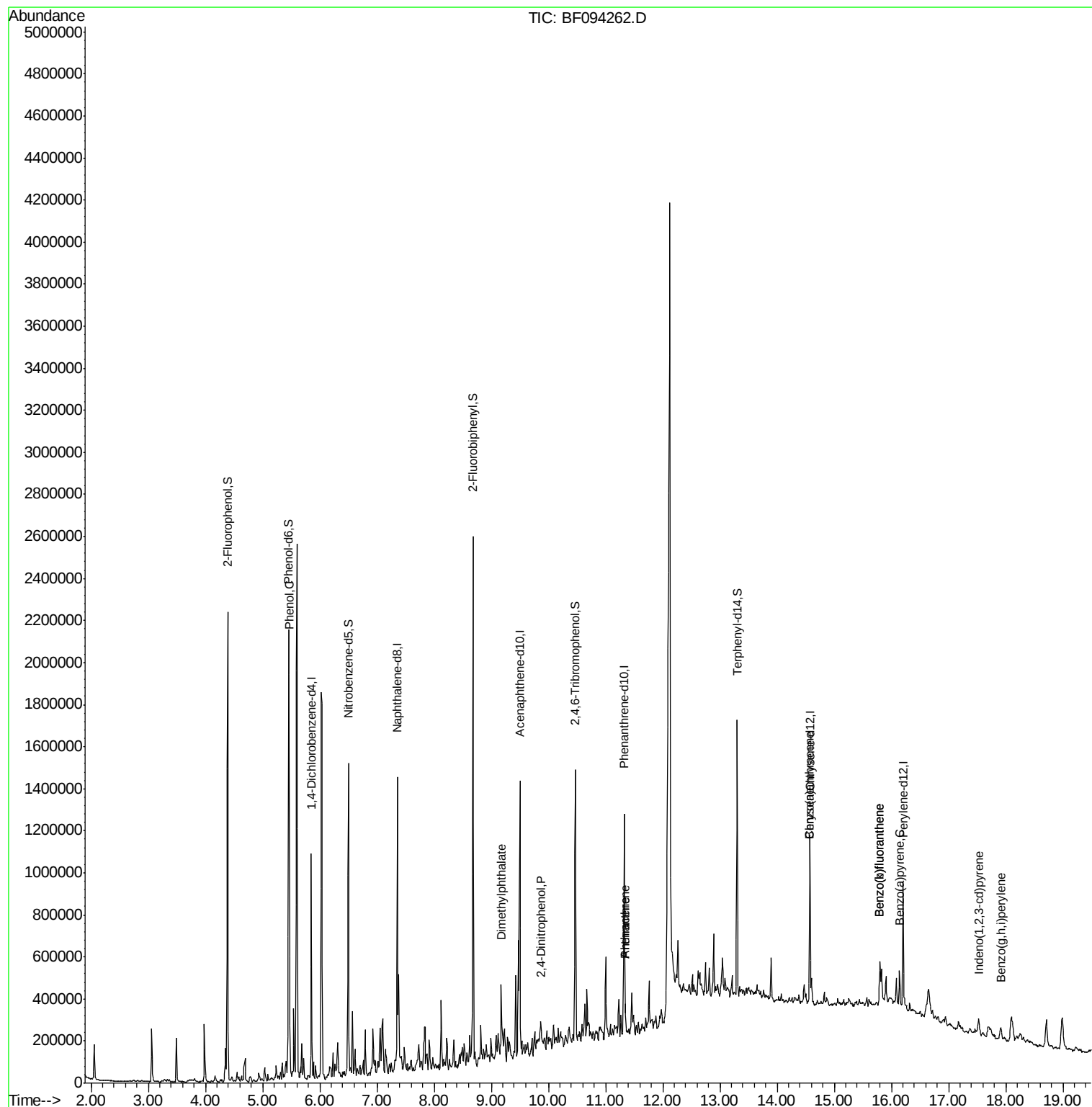
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	160168	20.00	ng	0.00
21) Naphthalene-d8	7.36	136	630775	20.00	ng	0.00
38) Acenaphthene-d10	9.50	164	270997	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	404562	20.00	ng	0.00
75) Chrysene-d12	14.57	240	302897	20.00	ng	0.00
86) Perylene-d12	16.20	264	251238	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.39	112	677410	71.43	ng	0.00
7) Phenol-d6	5.46	99	830372	70.78	ng	0.00
23) Nitrobenzene-d5	6.50	82	515320	46.62	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	152324	71.13	ng	0.00
44) 2-Fluorobiphenyl	8.68	172	864339	48.65	ng	0.00
78) Terphenyl-d14	13.30	244	463413	34.29	ng	0.00
Target Compounds						Qvalue
10) Phenol	5.47	94	66050	4.95	ng	95
49) Dimethylphthalate	9.17	163	152161	7.90	ng	99
53) 2,4-Dinitrophenol	9.86	184	350	4.80	ng	94
70) Phenanthrene	11.35	178	52346	2.33	ng	99
71) Anthracene	11.35	178	52346	2.26	ng	99
80) Benzo(a)anthracene	14.56	228	44785	2.54	ng	99
82) Chrysene	14.56	228	44785	2.73	ng	95
85) Indeno(1,2,3-cd)pyrene	17.53	276	47278	3.33	ng	95
87) Benzo(b)fluoranthene	15.80	252	137614	8.94	ng	# 95
88) Benzo(k)fluoranthene	15.80	252	137614	9.13	ng	98
89) Benzo(a)pyrene	16.14	252	76256	5.38	ng	# 96
91) Benzo(a,h,i)perylene	17.92	276	41379	3.42	ng	96

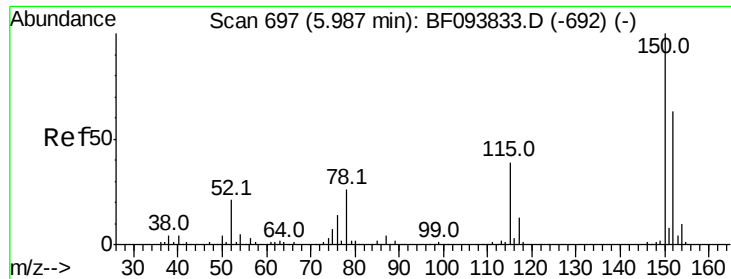
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.85 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF094262.D

Acq: 7 Apr 2017 9:12

Instrument :

BNA_F

ClientSampleId :

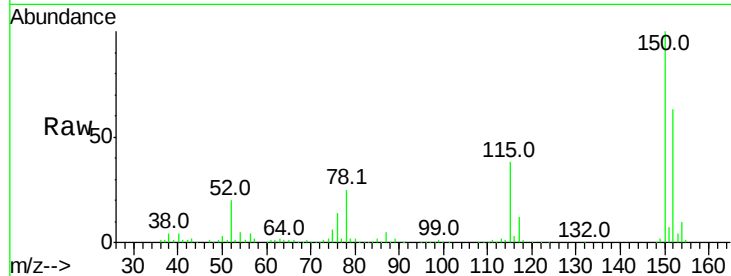
Tot Ion:152 Resp: 160168

Ion Ratio Lower Upper

152 100

150 158.8 126.2 189.2

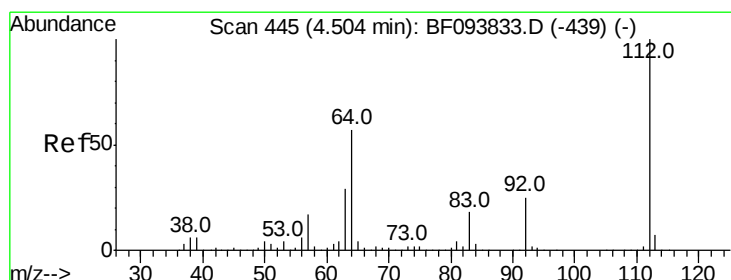
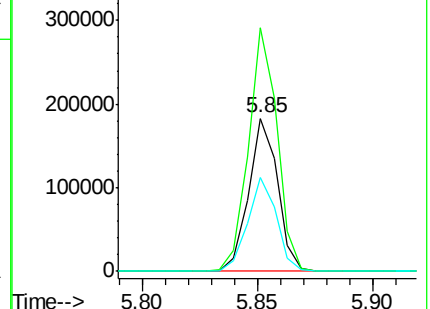
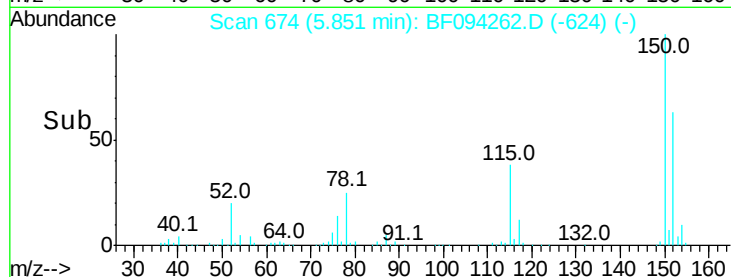
115 61.1 52.2 78.2



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: 71.43 ng

RT: 4.39 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF094262.D

Acq: 7 Apr 2017 9:12

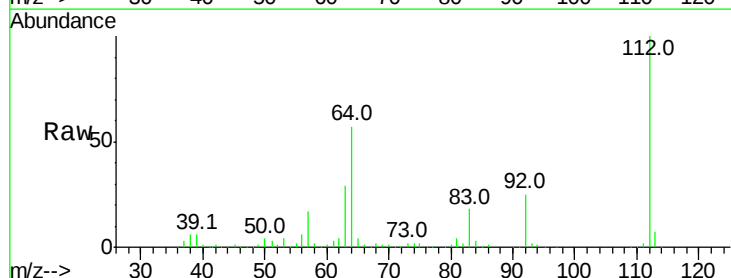
Tgt Ion:112 Resp: 677410

Ion Ratio Lower Upper

112 100

64 57.2 46.0 69.0

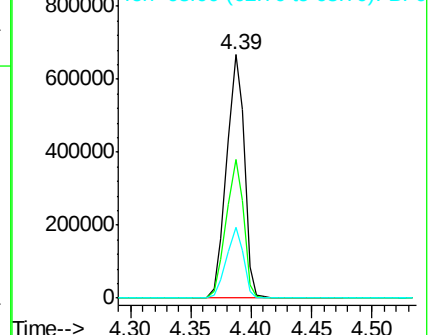
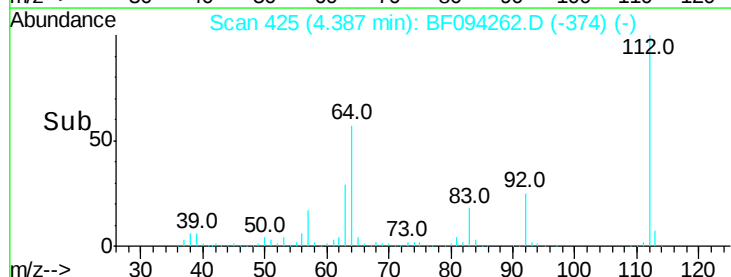
63 29.3 23.4 35.0

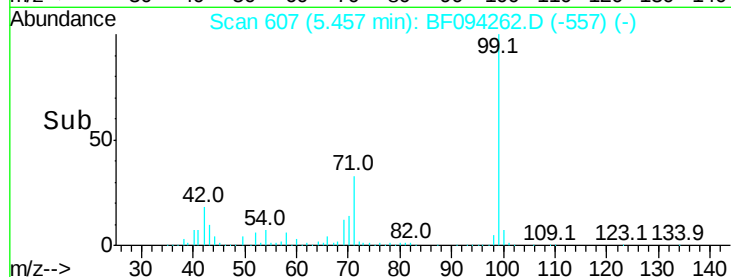
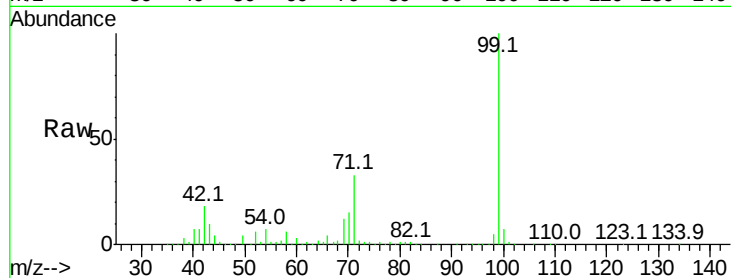
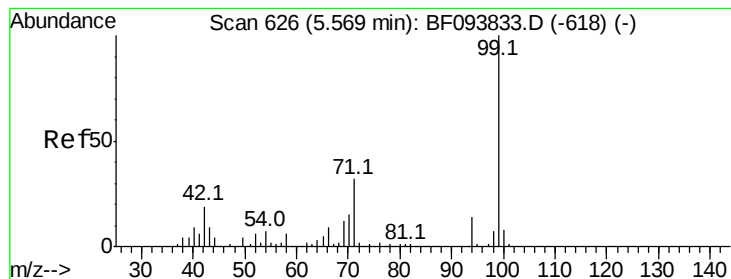


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 70.78 ng

RT: 5.46 min Scan# 607

Delta R.T. -0.01 min

Lab File: BF094262.D

Acq: 7 Apr 2017 9:12

Instrument :

BNA_F

ClientSampleId :

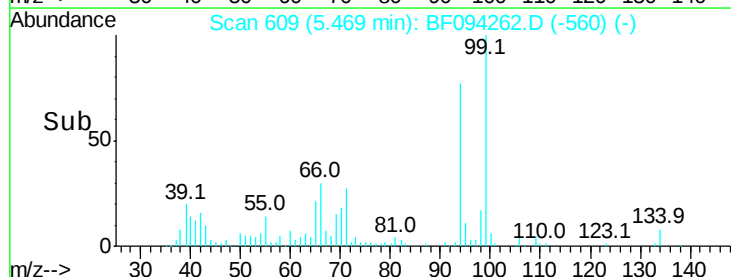
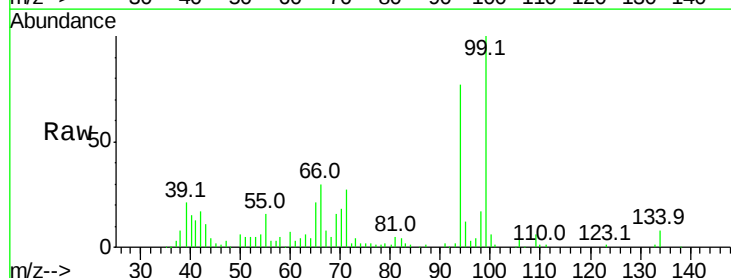
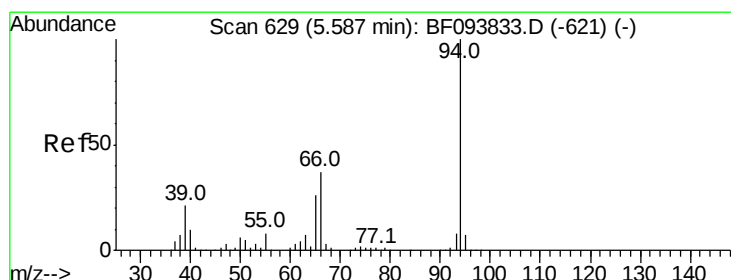
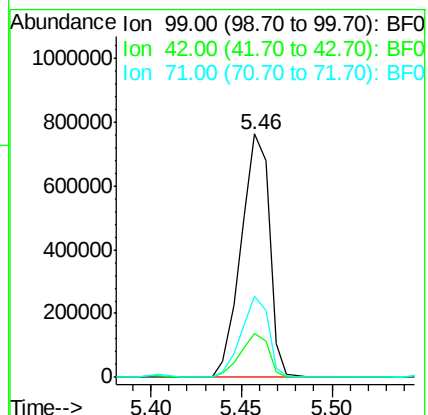
Tot Ion: 99 Resp: 830372

Ion Ratio Lower Upper

99 100

42 18.1 13.5 20.3

71 33.3 24.5 36.7



#10

Phenol

Concen: 4.95 ng

RT: 5.47 min Scan# 609

Delta R.T. -0.01 min

Lab File: BF094262.D

Acq: 7 Apr 2017 9:12

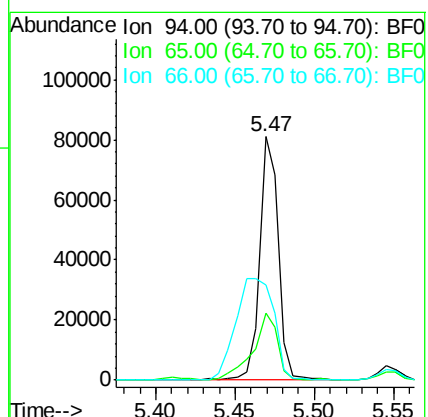
Tgt Ion: 94 Resp: 66050

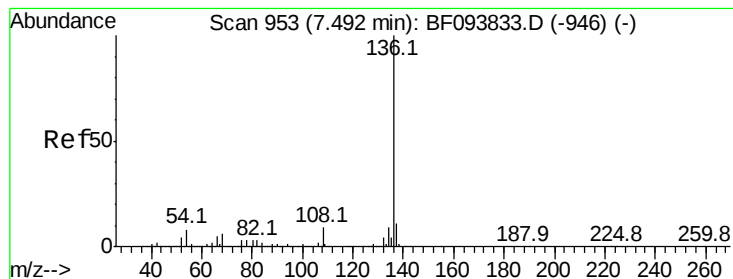
Ion Ratio Lower Upper

94 100

65 27.8 9.9 49.9

66 39.0 23.1 63.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.36 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF094262.D

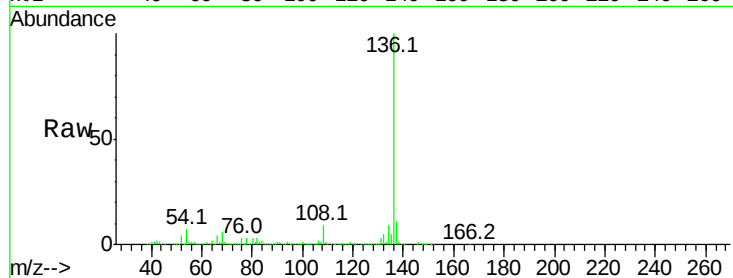
Acq: 7 Apr 2017 9:12

Instrument :

BNA_F

ClientSampled :

Tot Ion:	136	Resp:	630775
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	7.2	4.9	7.3
68	6.2	4.1	6.1#



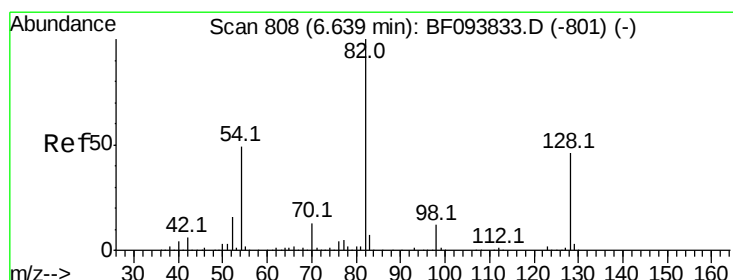
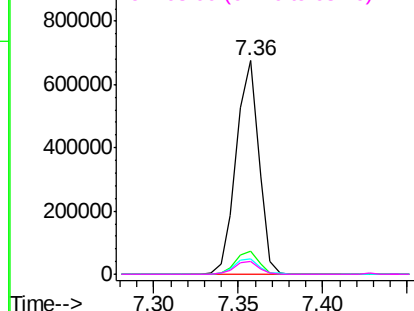
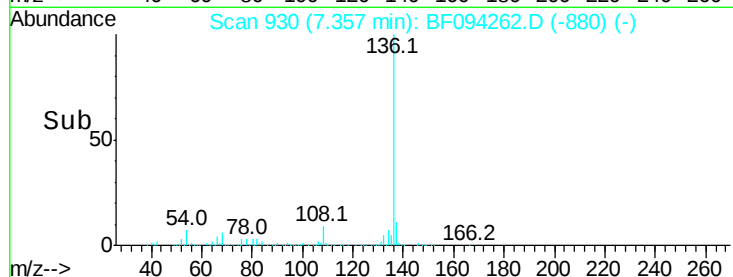
Abundance

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: 46.62 ng

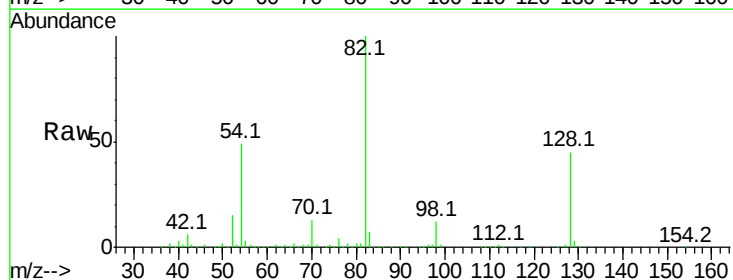
RT: 6.50 min Scan# 784

Delta R.T. -0.01 min

Lab File: BF094262.D

Acq: 7 Apr 2017 9:12

Tgt Ion:	82	Resp:	515320
Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.0	51.0
54	49.5	42.2	63.2

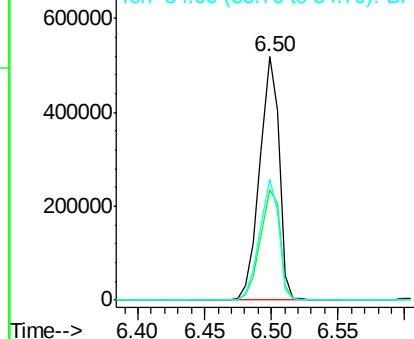
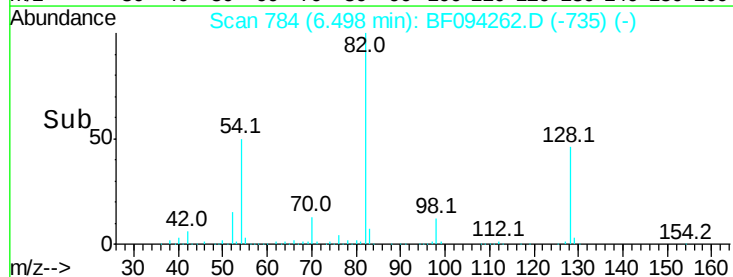


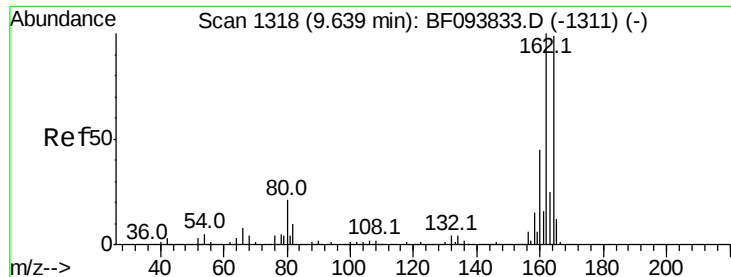
Abundance

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

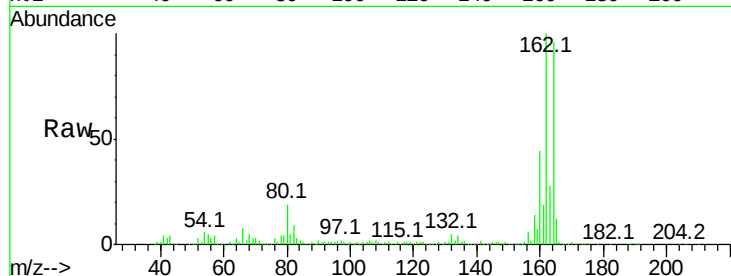




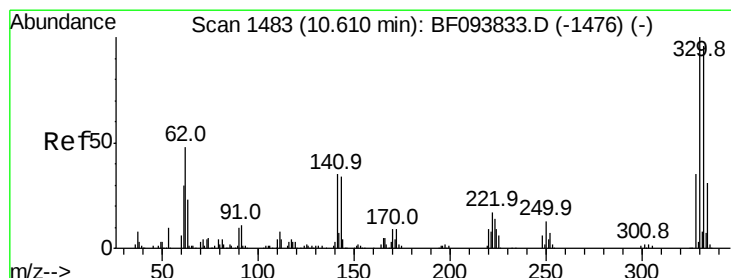
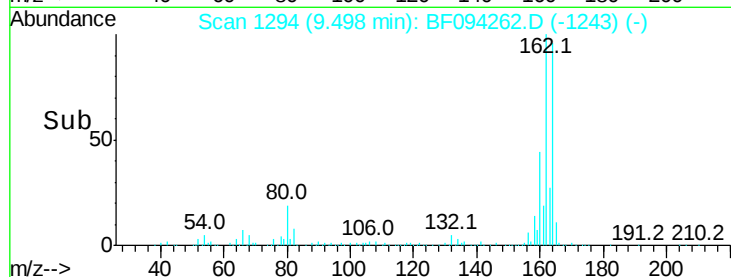
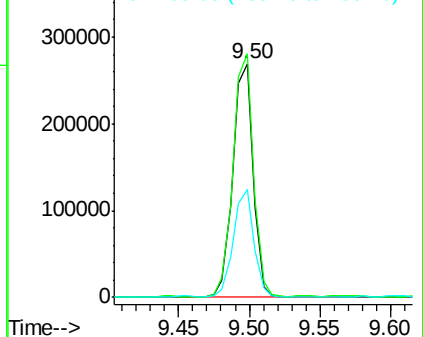
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.50 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: BF094262.D
 Acq: 7 Apr 2017 9:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 270997
 Ion Ratio Lower Upper
 164 100
 162 104.3 82.6 123.8
 160 46.2 36.2 54.2

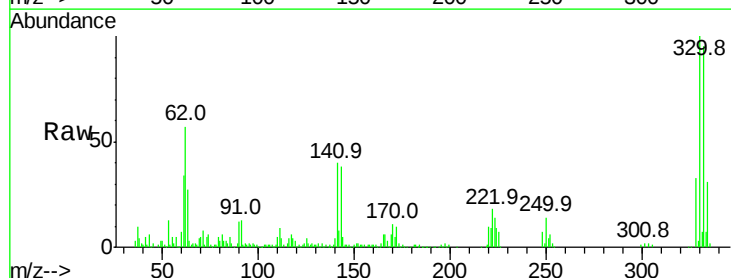


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

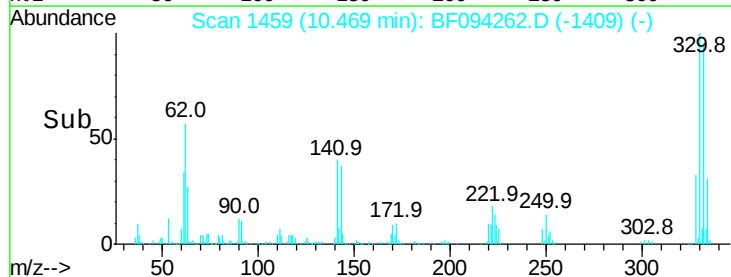
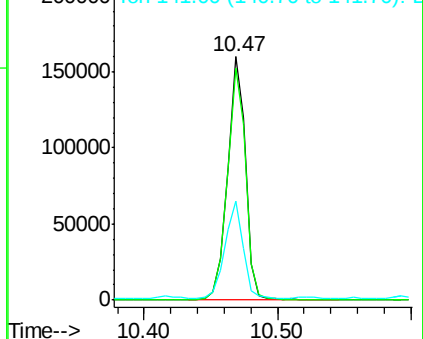


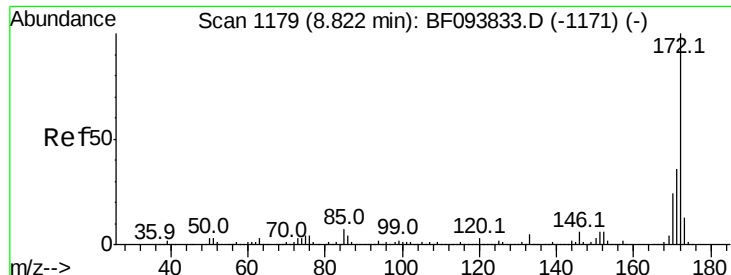
#41
 2,4,6-Tribromophenol
 Concen: 71.13 ng
 RT: 10.47 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF094262.D
 Acq: 7 Apr 2017 9:12

Tgt Ion:330 Resp: 152324
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.6 115.0
 141 40.3 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

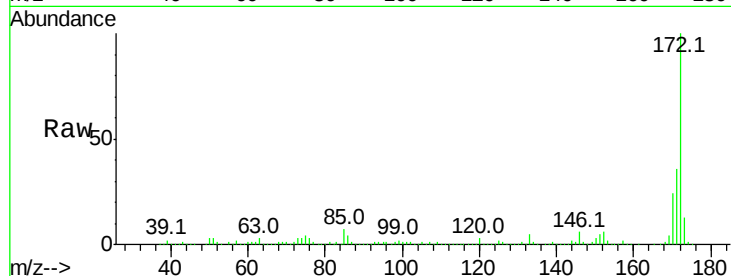




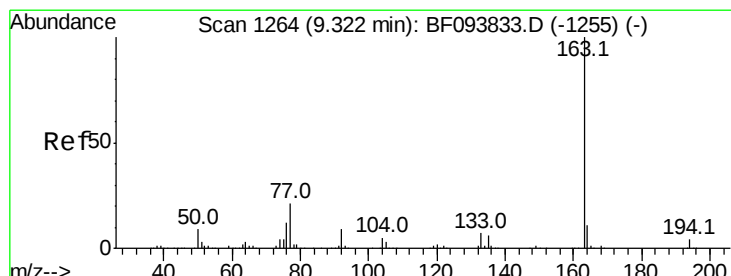
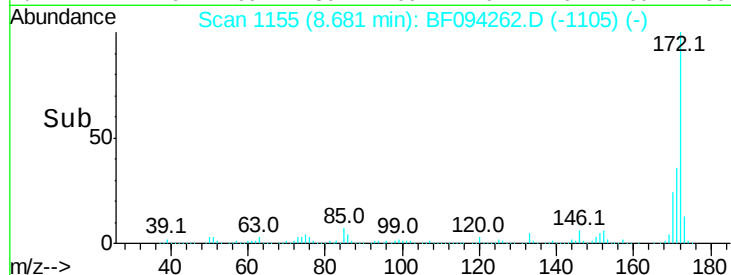
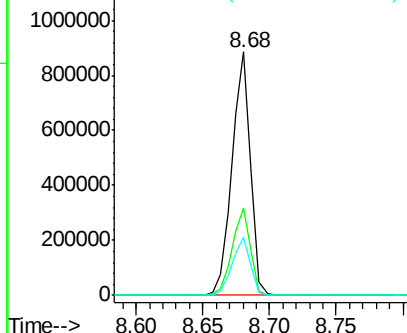
#44
 2-Fluorobiphenyl
 Concen: 48.65 ng
 RT: 8.68 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BF094262.D
 Acq: 7 Apr 2017 9:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 864339
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 23.8 19.8 29.8

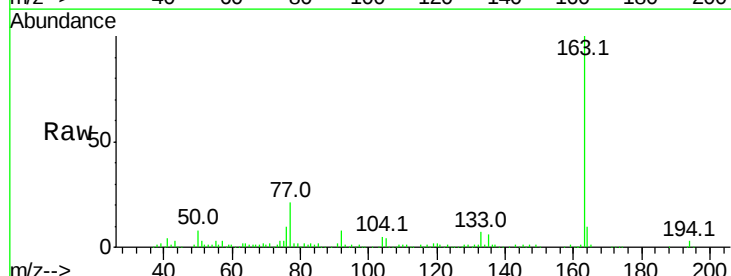


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

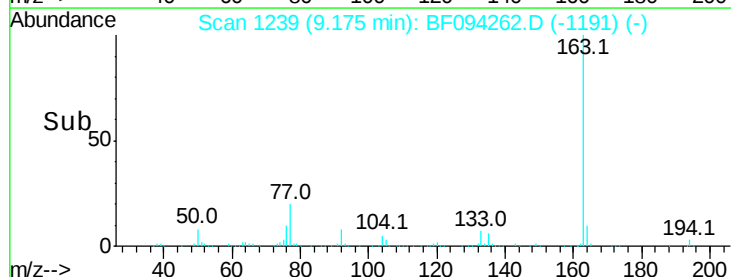
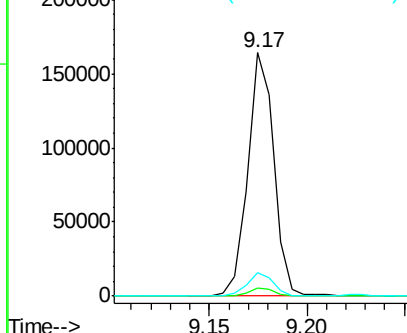


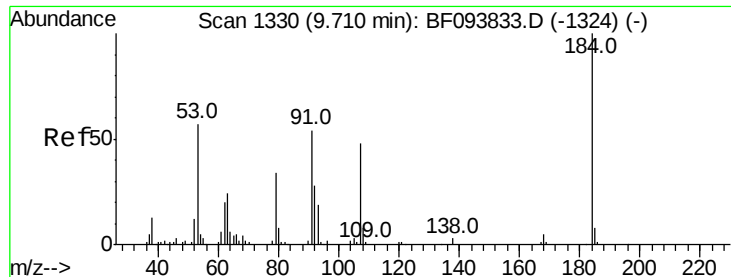
#49
 Dimethylphthalate
 Concen: 7.90 ng
 RT: 9.17 min Scan# 1239
 Delta R.T. -0.02 min
 Lab File: BF094262.D
 Acq: 7 Apr 2017 9:12

Tgt Ion:163 Resp: 152161
 Ion Ratio Lower Upper
 163 100
 194 3.3 2.6 4.0
 164 9.8 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





#53

2,4-Dinitrophenol

Concen: 4.80 ng

RT: 9.86 min Scan# 1355

Delta R.T. 0.26 min

Lab File: BF094262.D

Acq: 7 Apr 2017 9:12

Instrument :

BNA_F

ClientSampleId :

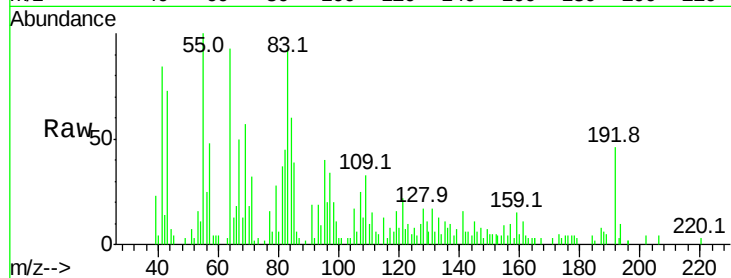
Tot Ion:184 Resp: 350

Ion Ratio Lower Upper

184 100

63 73.4 62.7 94.1

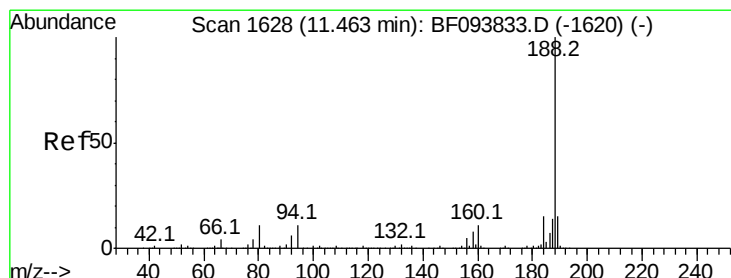
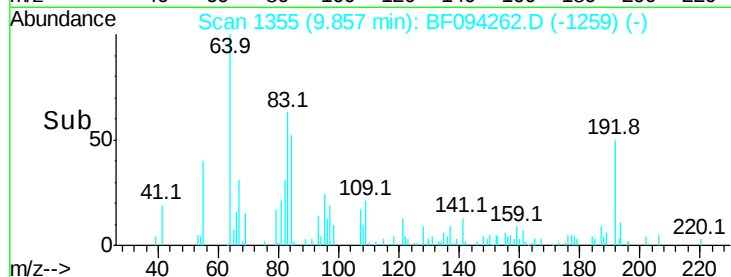
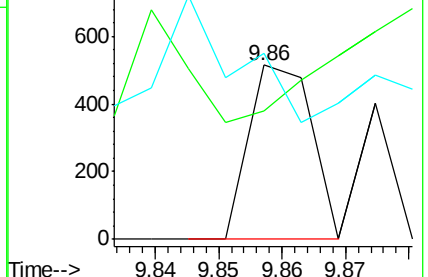
154 107.0 81.1 121.7



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 1604

Delta R.T. 0.00 min

Lab File: BF094262.D

Acq: 7 Apr 2017 9:12

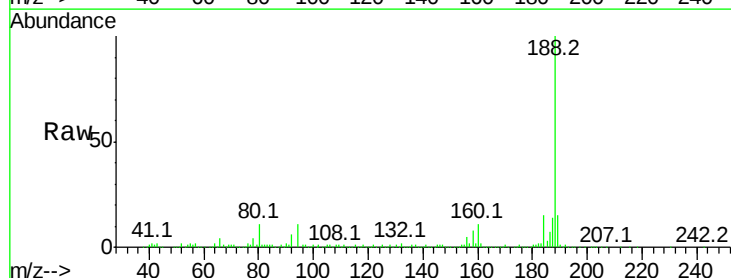
Tgt Ion:188 Resp: 404562

Ion Ratio Lower Upper

188 100

94 10.9 9.4 14.2

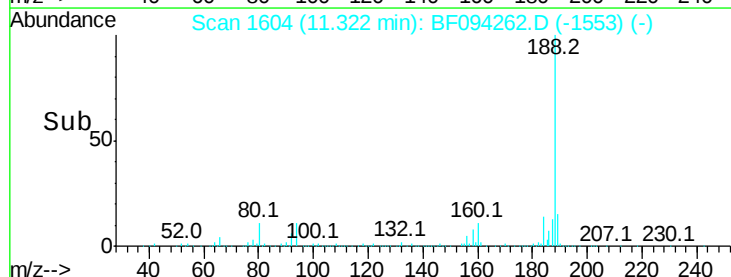
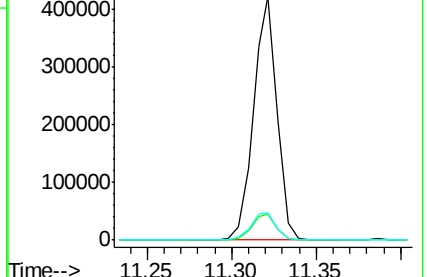
80 11.0 10.2 15.2

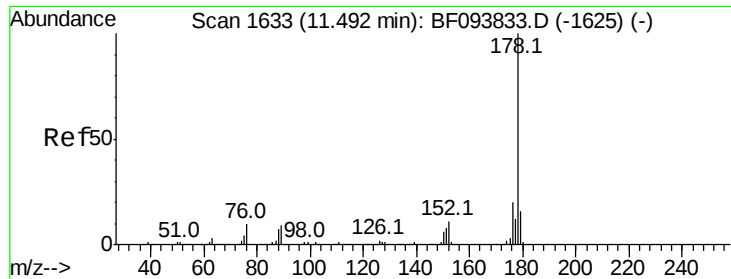


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 2.33 ng

RT: 11.35 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BF094262.D

Acq: 7 Apr 2017 9:12

Instrument :

BNA_F

ClientSampleId :

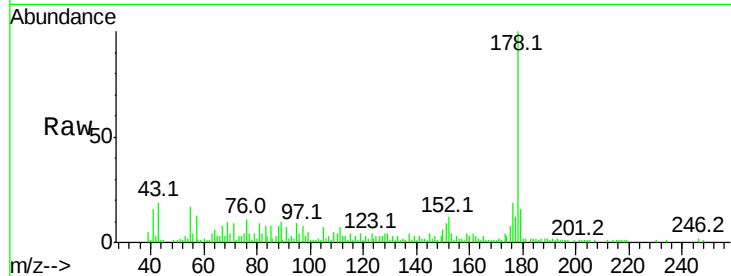
Tot Ion:178 Resp: 52346

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.4

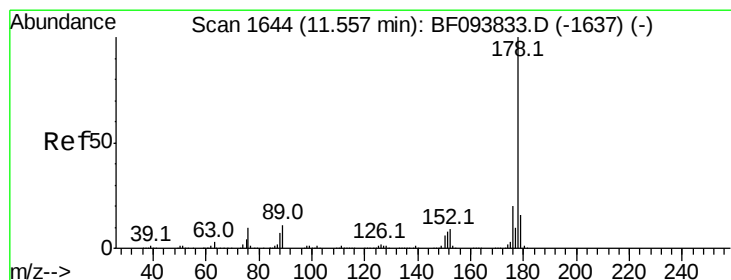
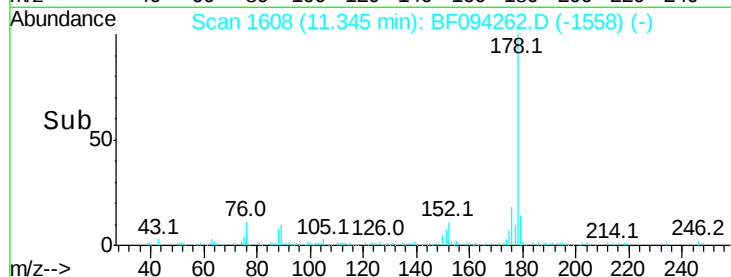
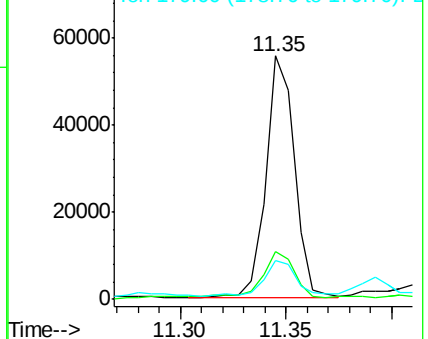
179 15.7 12.6 19.0



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: 2.26 ng

RT: 11.35 min Scan# 1608

Delta R.T. -0.07 min

Lab File: BF094262.D

Acq: 7 Apr 2017 9:12

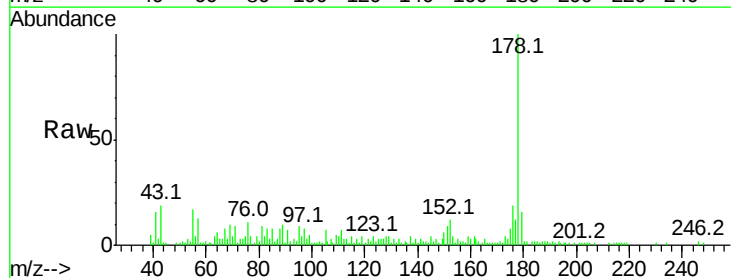
Tgt Ion:178 Resp: 52346

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

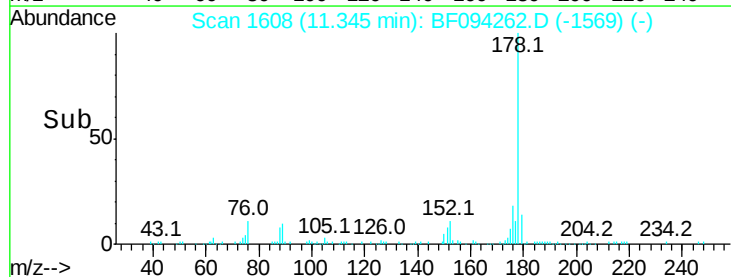
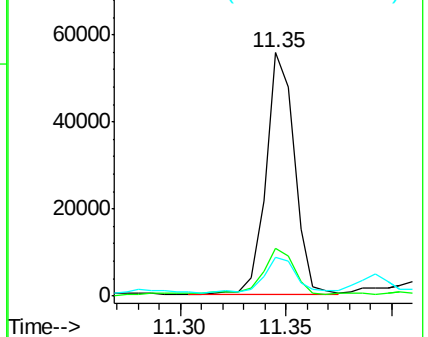
179 15.7 12.7 19.1

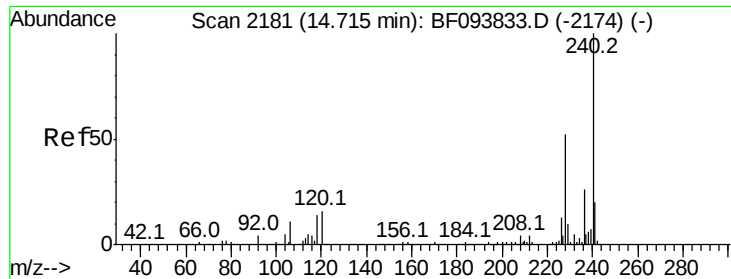


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.57 min Scan# 2157

Delta R.T. 0.00 min

Lab File: BF094262.D

Acq: 7 Apr 2017 9:12

Instrument :

BNA_F

ClientSampleId :

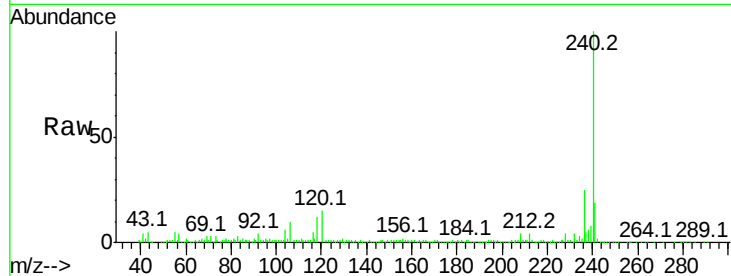
Tot Ion:240 Resp: 302897

Ion Ratio Lower Upper

240 100

120 15.2 5.8 8.8#

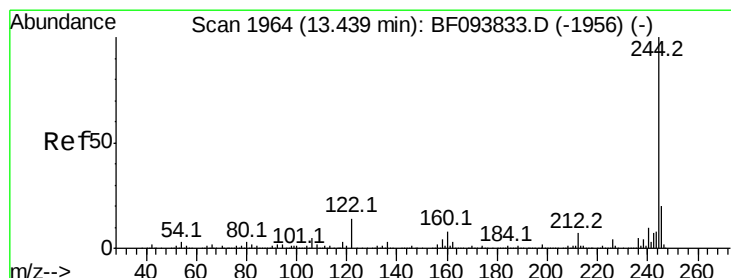
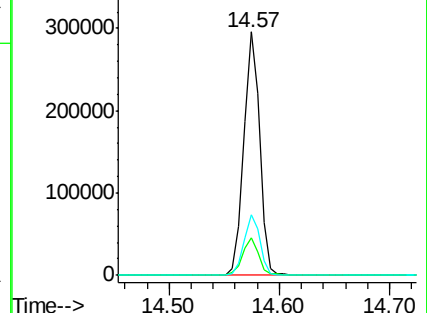
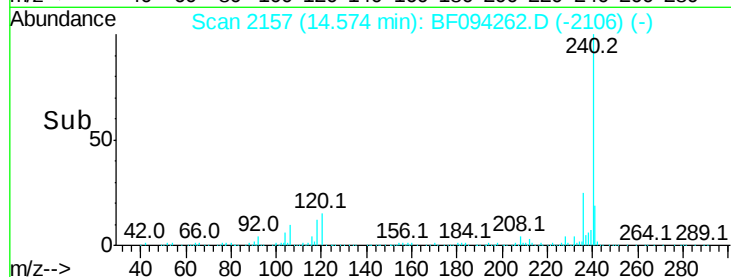
236 25.0 20.5 30.7



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



#78

Terphenyl-d14

Concen: 34.29 ng

RT: 13.30 min Scan# 1940

Delta R.T. 0.00 min

Lab File: BF094262.D

Acq: 7 Apr 2017 9:12

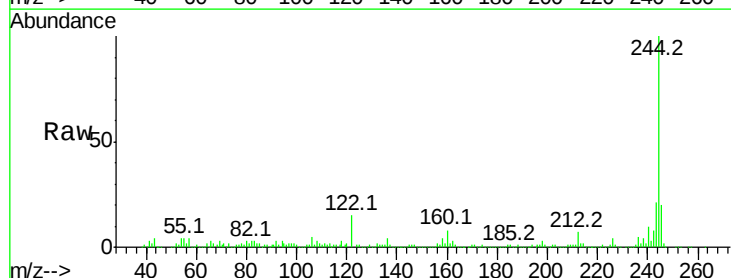
Tgt Ion:244 Resp: 463413

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

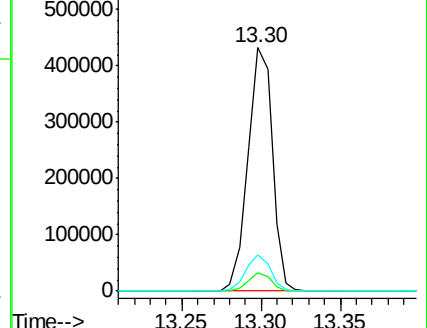
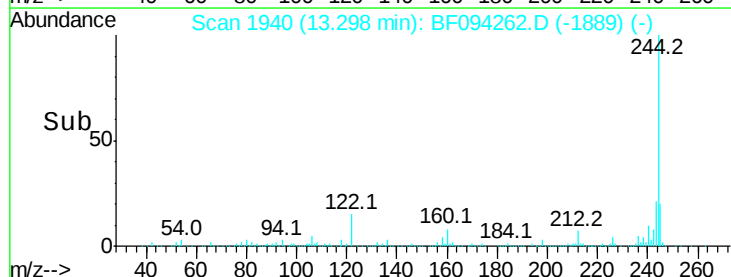
122 14.9 10.3 15.5

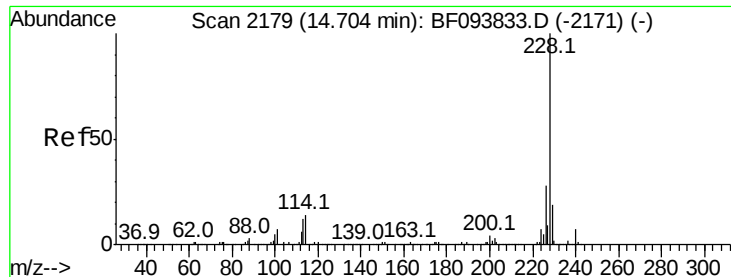


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.54 ng

RT: 14.56 min Scan# 2155

Delta R.T. 0.00 min

Lab File: BF094262.D

Acq: 7 Apr 2017 9:12

Instrument :

BNA_F

ClientSampleId :

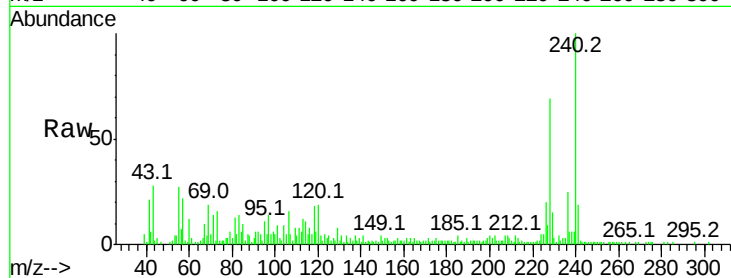
Tot Ion:228 Resp: 44785

Ion Ratio Lower Upper

228 100

226 28.2 22.6 33.8

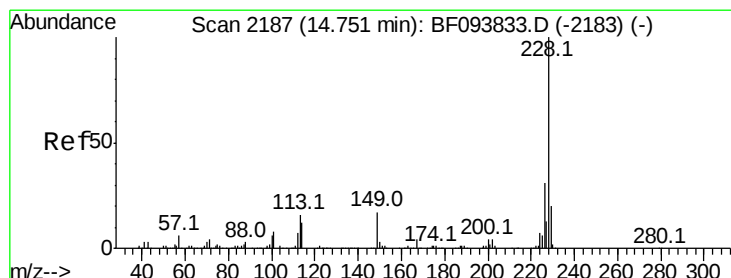
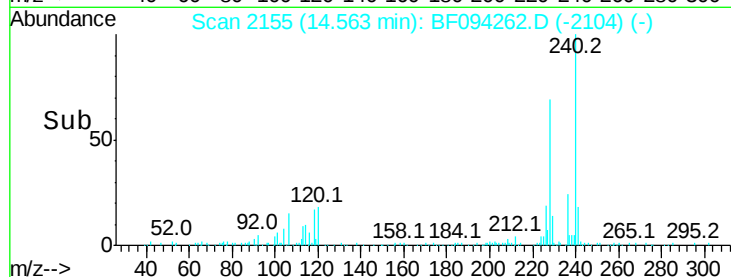
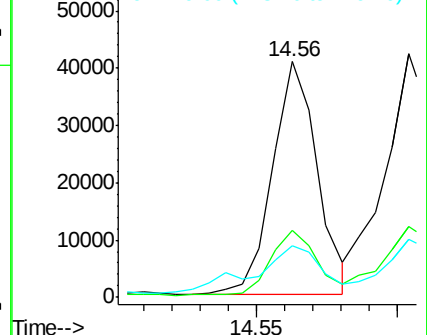
229 22.0 16.3 24.5



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: 2.73 ng

RT: 14.56 min Scan# 2155

Delta R.T. -0.05 min

Lab File: BF094262.D

Acq: 7 Apr 2017 9:12

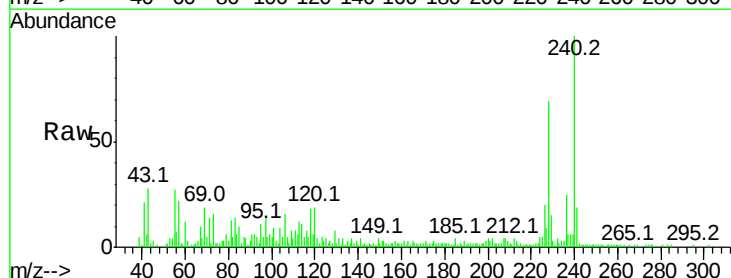
Tgt Ion:228 Resp: 44785

Ion Ratio Lower Upper

228 100

226 28.2 24.9 37.3

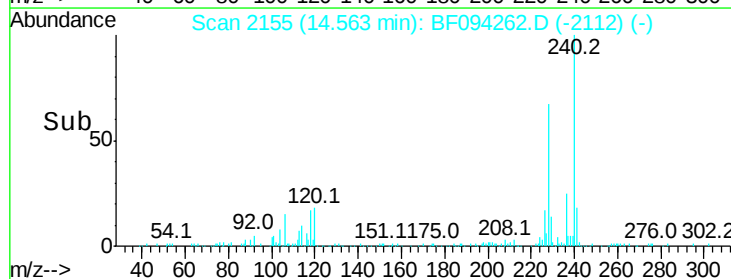
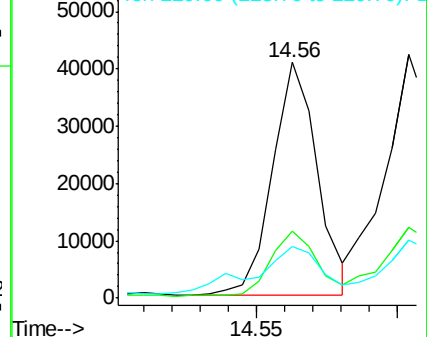
229 22.0 15.8 23.6

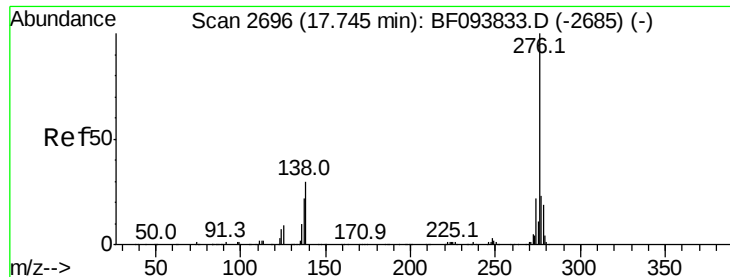


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

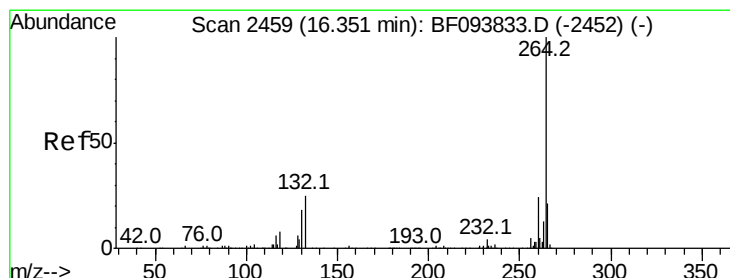
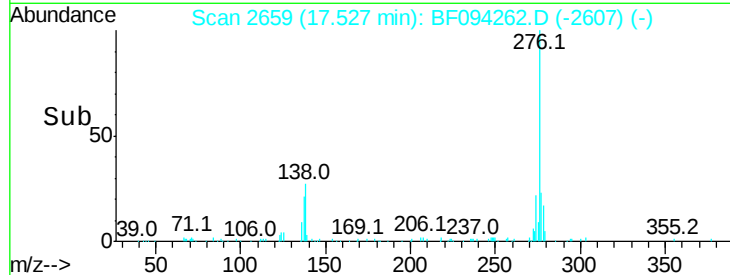
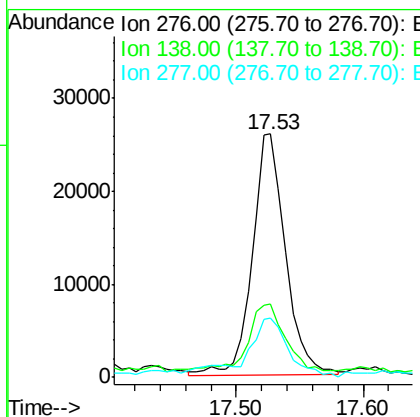
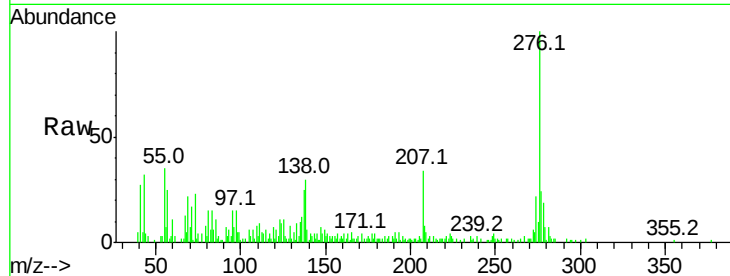




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.33 ng
 RT: 17.53 min Scan# 2659
 Delta R.T. 0.01 min
 Lab File: BF094262.D
 Acq: 7 Apr 2017 9:12

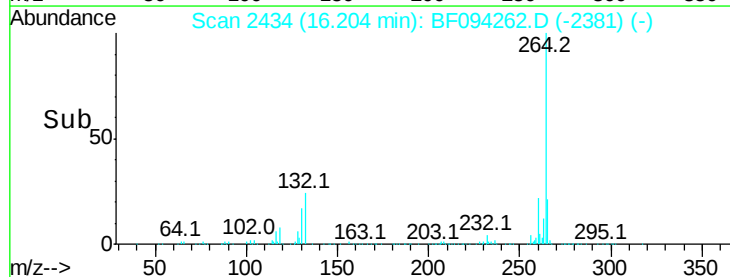
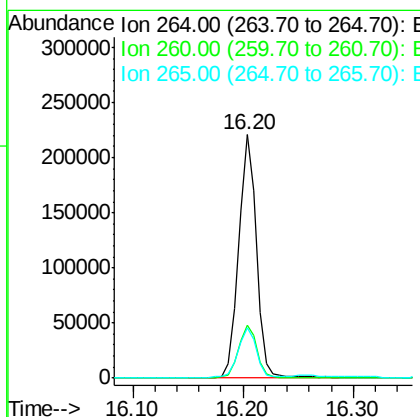
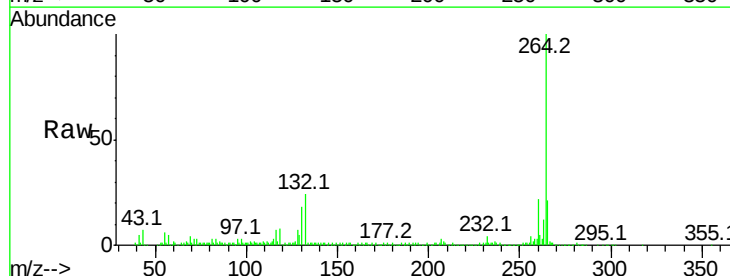
Instrument :
 BNA_F
 ClientSampleId :

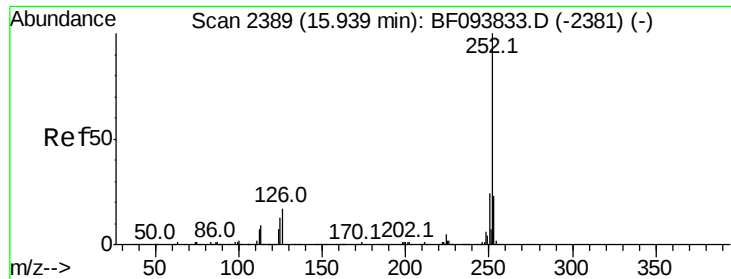
Tot Ion:276 Resp: 47278
 Ion Ratio Lower Upper
 276 100
 138 30.5 27.8 41.6
 277 26.7 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.20 min Scan# 2434
 Delta R.T. 0.01 min
 Lab File: BF094262.D
 Acq: 7 Apr 2017 9:12

Tgt Ion:264 Resp: 251238
 Ion Ratio Lower Upper
 264 100
 260 21.7 19.5 29.3
 265 20.8 17.2 25.8

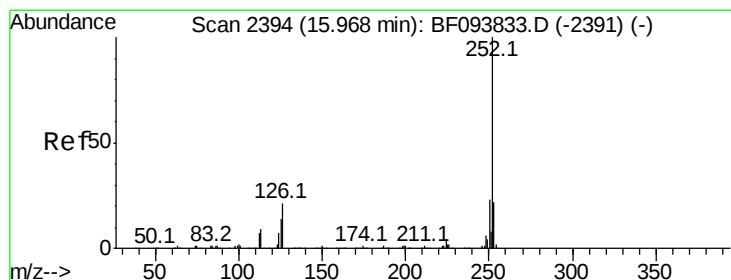
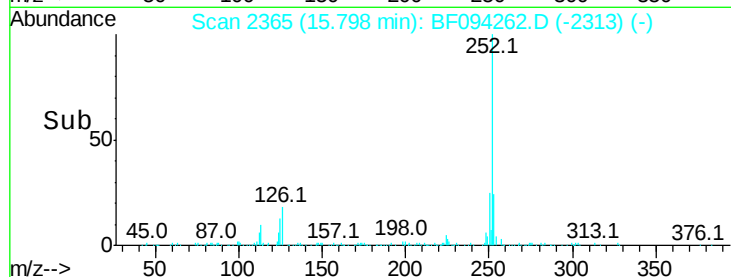
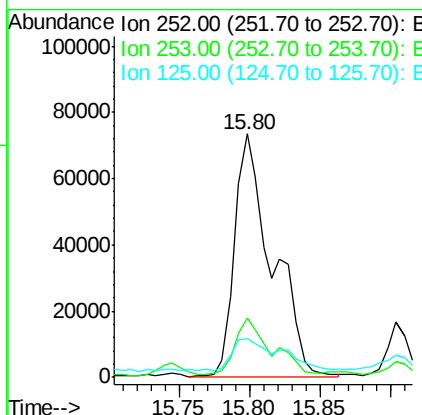
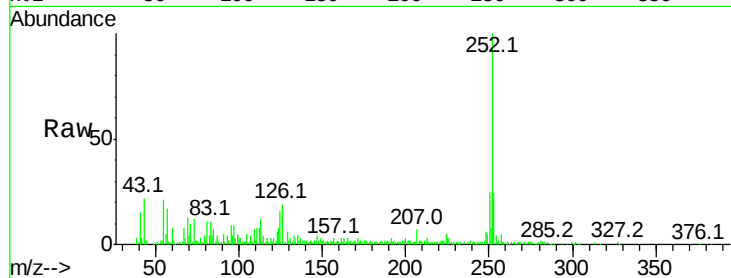




#87
Benzo(b)fluoranthene
Concen: 8.94 ng
RT: 15.80 min Scan# 2365
Delta R.T. 0.01 min
Lab File: BF094262.D
Acq: 7 Apr 2017 9:12

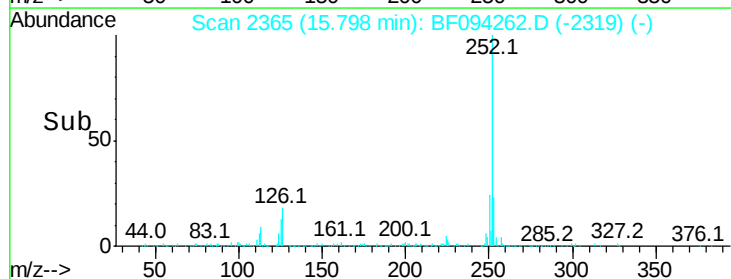
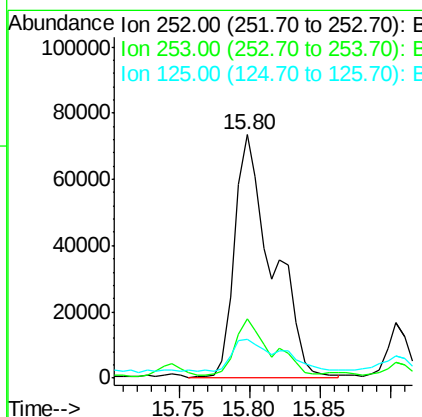
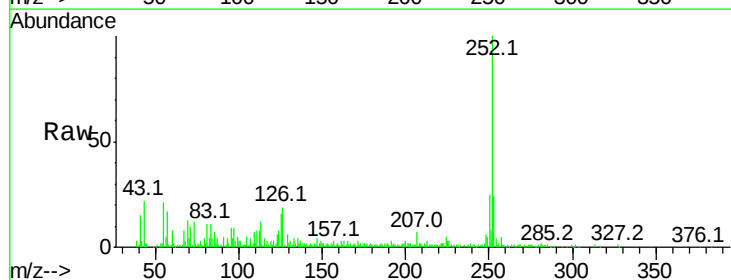
Instrument :
BNA_F
ClientSampleId :

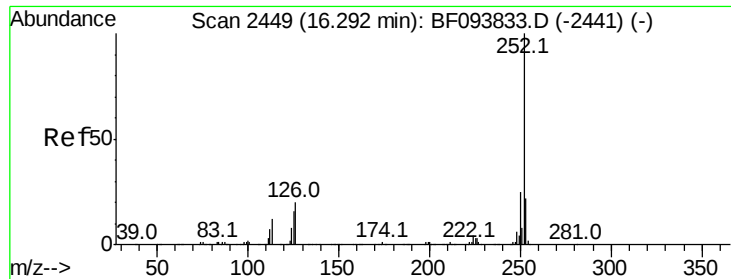
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	16.0	9.8	14.8#



#88
Benzo(k)fluoranthene
Concen: 9.13 ng
RT: 15.80 min Scan# 2365
Delta R.T. -0.03 min
Lab File: BF094262.D
Acq: 7 Apr 2017 9:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	16.0	13.1	19.7

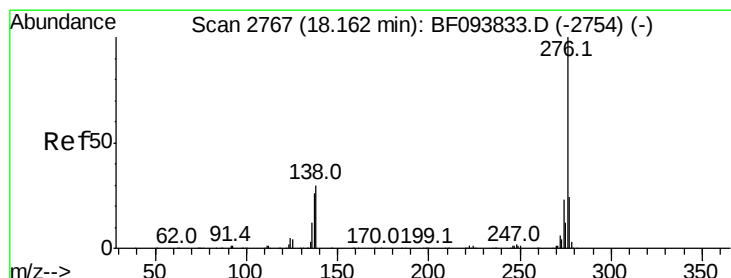
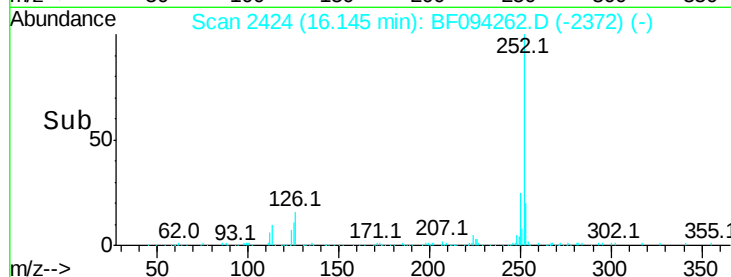
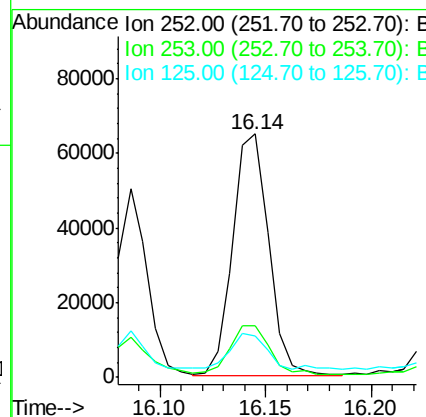
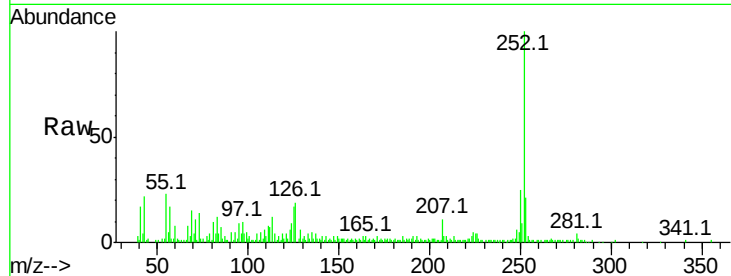




#89
Benzo(a)pyrene
Concen: 5.38 ng
RT: 16.14 min Scan# 2424
Delta R.T. 0.01 min
Lab File: BF094262.D
Acq: 7 Apr 2017 9:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 76256
Ion Ratio Lower Upper
252 100
253 21.0 17.5 26.3
125 16.9 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 3.42 ng
RT: 17.92 min Scan# 2725
Delta R.T. 0.01 min
Lab File: BF094262.D
Acq: 7 Apr 2017 9:12

Tgt Ion:276 Resp: 41379
Ion Ratio Lower Upper
276 100
277 27.0 18.6 28.0
138 32.9 25.4 38.0

