

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
 Data File : BF094252.D
 Acq On : 7 Apr 2017 4:38
 Operator : SJ/MA
 Sample : I2574-01
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B2-S1(0-2)

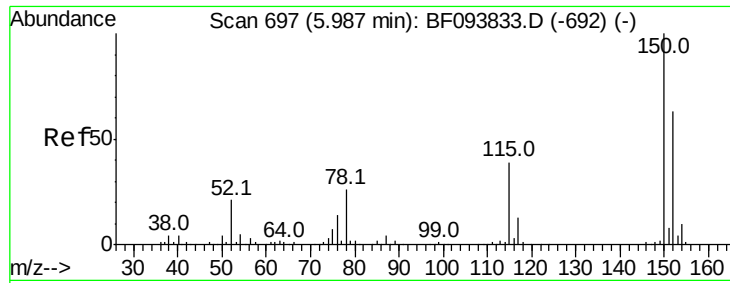
Quant Time: Apr 07 05:16:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	176779	20.00	ng	0.00
21) Naphthalene-d8	7.35	136	685151	20.00	ng	-0.01
38) Acenaphthene-d10	9.49	164	291571	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	449163	20.00	ng	0.00
75) Chrysene-d12	14.57	240	321732	20.00	ng	0.00
86) Perylene-d12	16.20	264	254191	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	4.39	112	1138829	108.81	ng	0.00
7) Phenol-d6	5.46	99	1480352	114.33	ng	0.00
23) Nitrobenzene-d5	6.50	82	896744	74.69	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	265166	115.09	ng	0.00
44) 2-Fluorobiphenyl	8.68	172	1545745	80.86	ng	0.00
78) Terphenyl-d14	13.30	244	974454	67.89	ng	0.00

Target Compounds				Qvalue		
10) Phenol	5.47	94	80314	5.45	ng	93
19) n-Nitroso-di-n-propylamine	6.50	70	118550	14.25	ng	# 76
48) Acenaphthylene	9.32	152	115180	3.76	ng	97
49) Dimethylphthalate	9.17	163	208893	10.08	ng	98
70) Phenanthrene	11.34	178	94729	3.79	ng	98
71) Anthracene	11.40	178	77914	3.03	ng	96
74) Fluoranthene	12.81	202	430819	16.84	ng	99
77) Pyrene	13.09	202	496732	21.27	ng	99
80) Benzo(a)anthracene	14.56	228	261840	13.96	ng	95
82) Chrysene	14.60	228	290218	16.67	ng	97
85) Indeno(1,2,3-cd)pyrene	17.53	276	153861	10.20	ng	95
87) Benzo(b)fluoranthene	15.80	252	502006	32.22	ng	# 97
88) Benzo(k)fluoranthene	15.80	252	502006	32.93	ng	99
89) Benzo(a)pyrene	16.14	252	244657	17.05	ng	# 96
90) Dibenzo(a,h)anthracene	17.54	278	38775	3.19	ng	# 78
91) Benzo(g,h,i)perylene	17.92	276	150898	12.32	ng	100

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.85 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF094252.D

Acq: 7 Apr 2017 4:38

Instrument :

BNA_F

ClientSampleId :

B2-S1(0-2)

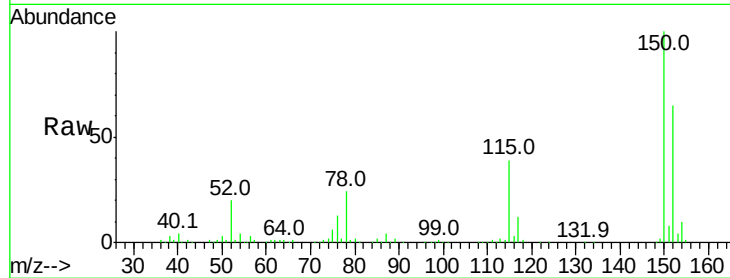
Tot Ion:152 Resp: 176779

Ion Ratio Lower Upper

152 100

150 154.7 126.2 189.2

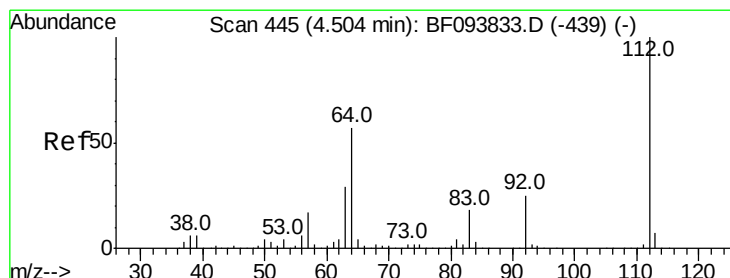
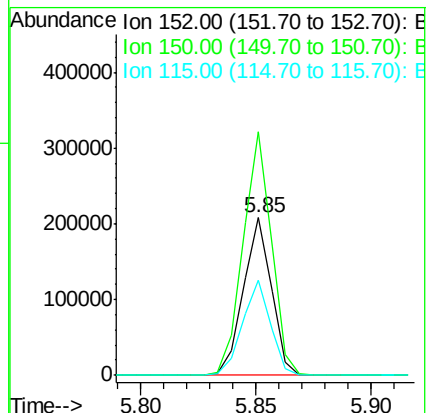
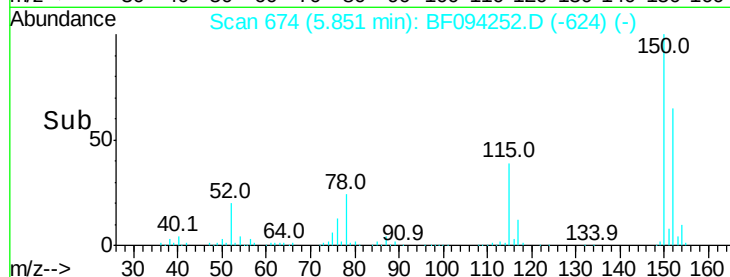
115 60.3 52.2 78.2



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: 108.81 ng

RT: 4.39 min Scan# 425

Delta R.T. -0.00 min

Lab File: BF094252.D

Acq: 7 Apr 2017 4:38

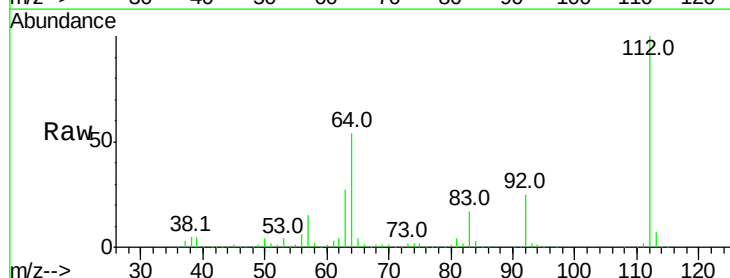
Tgt Ion:112 Resp: 1138829

Ion Ratio Lower Upper

112 100

64 54.4 46.0 69.0

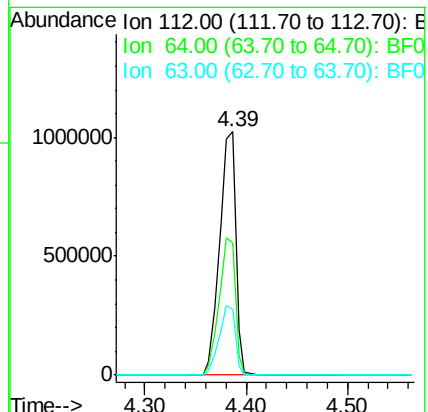
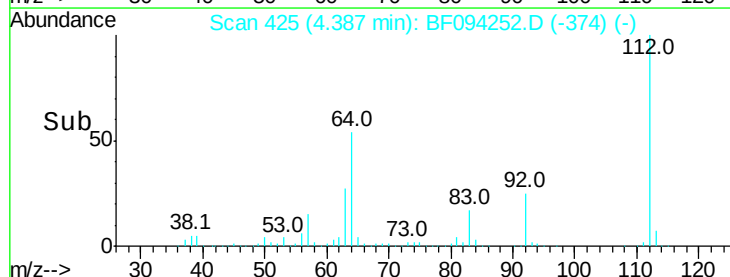
63 27.0 23.4 35.0

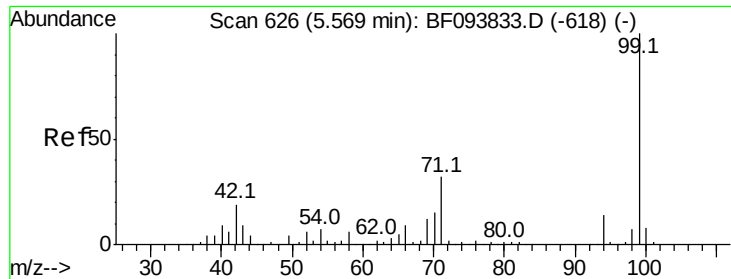


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 114.33 ng

RT: 5.46 min Scan# 608

Delta R.T. -0.00 min

Lab File: BF094252.D

Acq: 7 Apr 2017 4:38

Instrument :

BNA_F

ClientSampleId :

B2-S1(0-2)

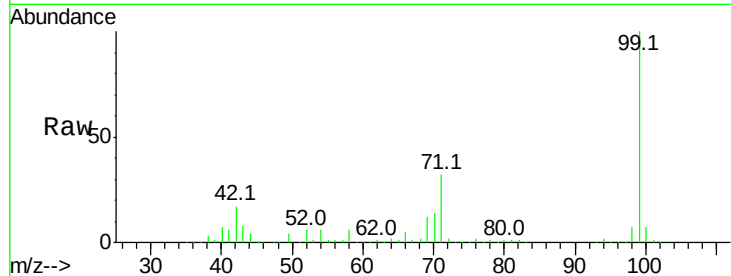
Tot Ion: 99 Resp: 1480352

Ion Ratio Lower Upper

99 100

42 16.7 13.5 20.3

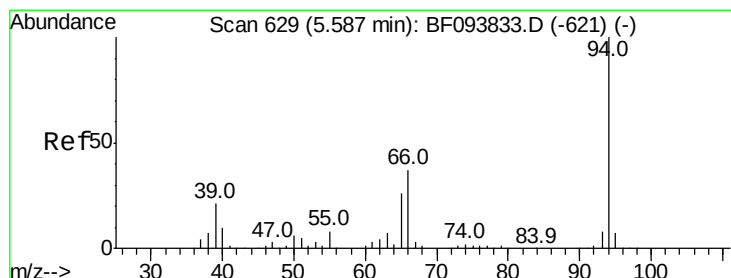
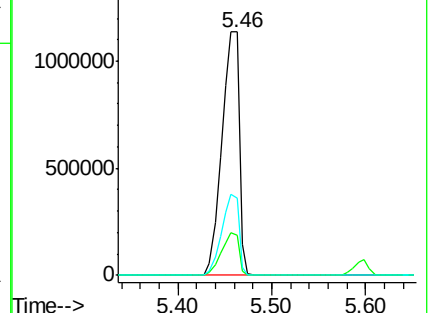
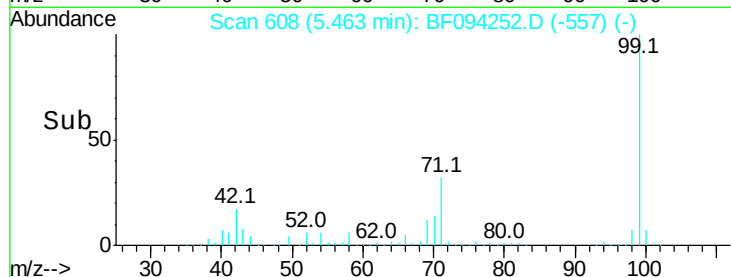
71 31.7 24.5 36.7



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



#10

Phenol

Concen: 5.45 ng

RT: 5.47 min Scan# 609

Delta R.T. -0.01 min

Lab File: BF094252.D

Acq: 7 Apr 2017 4:38

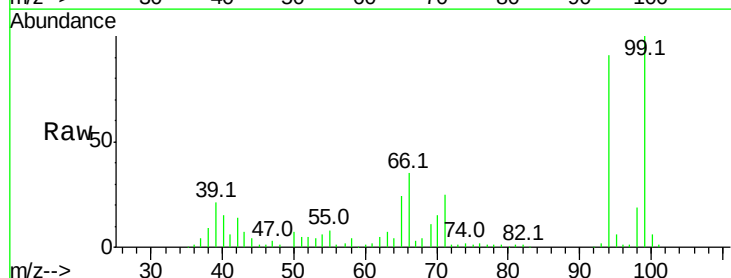
Tgt Ion: 94 Resp: 80314

Ion Ratio Lower Upper

94 100

65 26.3 9.9 49.9

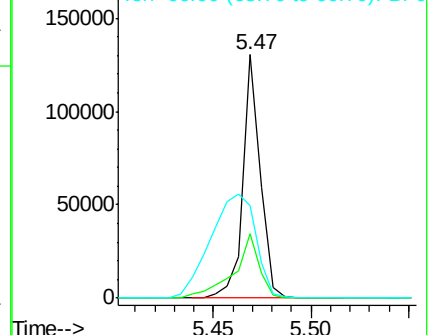
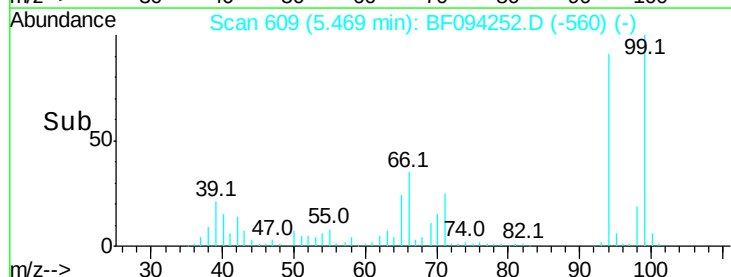
66 38.0 23.1 63.1

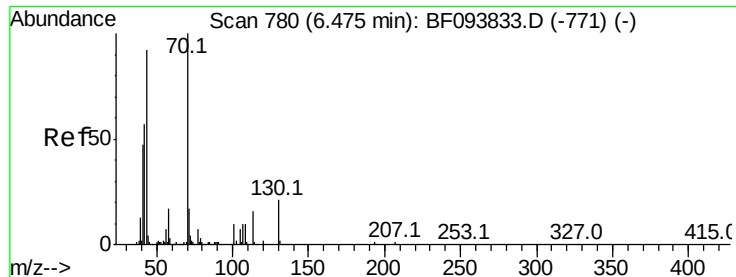


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 14.25 ng

RT: 6.50 min Scan# 785

Delta R.T. 0.16 min

Lab File: BF094252.D

Acq: 7 Apr 2017 4:38

Instrument :

BNA_F

ClientSampleId :

B2-S1(0-2)

Tot Ion: 70 Resp: 118550

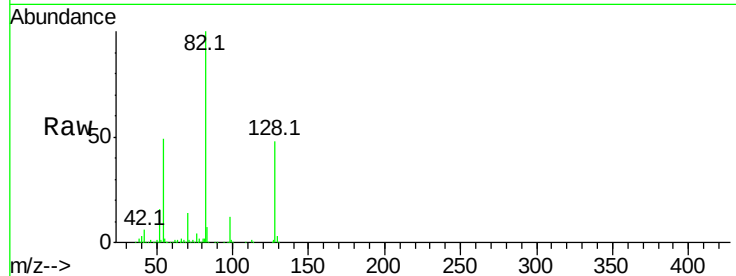
Ion Ratio Lower Upper

70 100

42 45.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

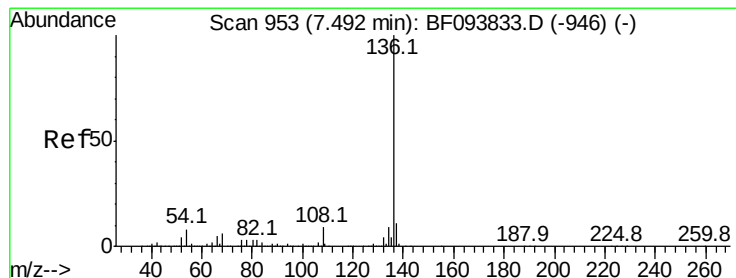
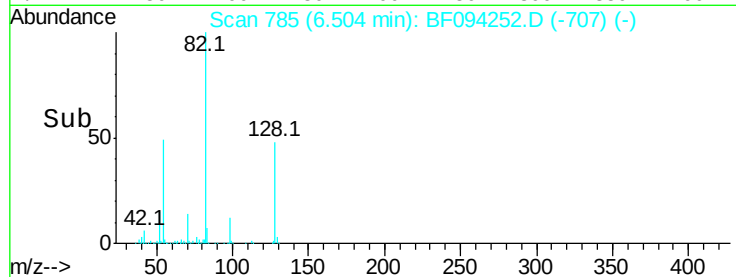
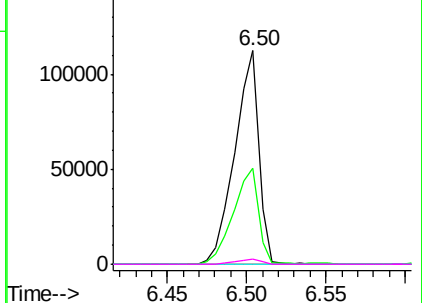


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.35 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF094252.D

Acq: 7 Apr 2017 4:38

Tgt Ion: 136 Resp: 685151

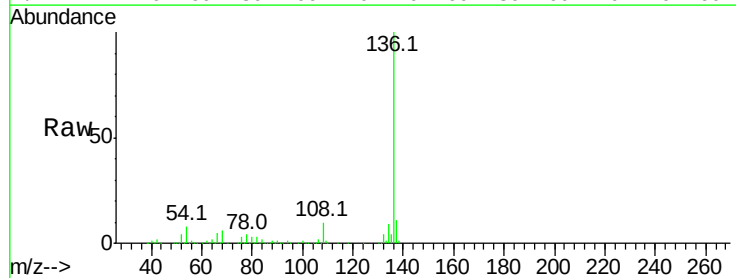
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.8 4.9 7.3#

68 6.4 4.1 6.1#

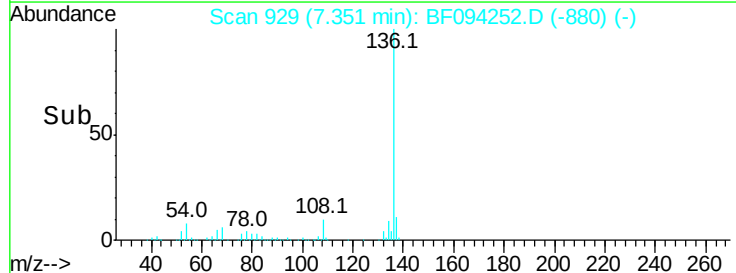
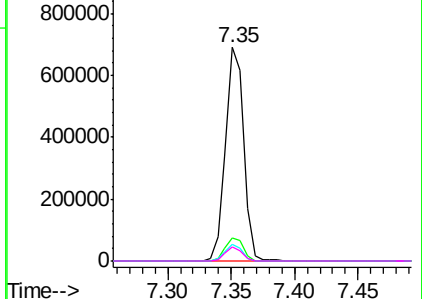


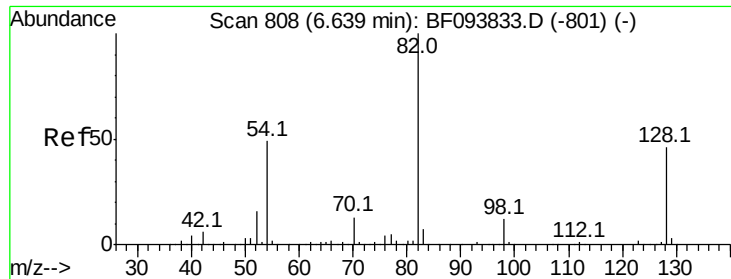
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

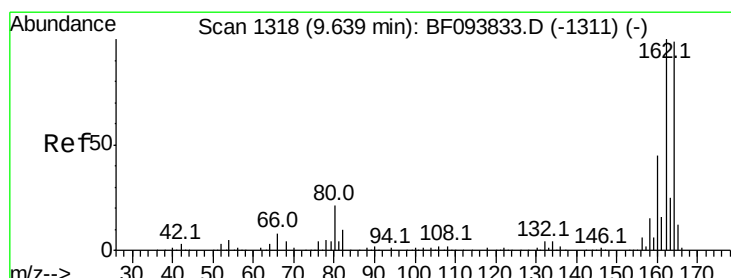
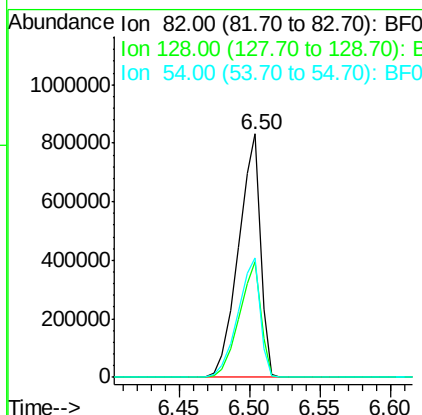
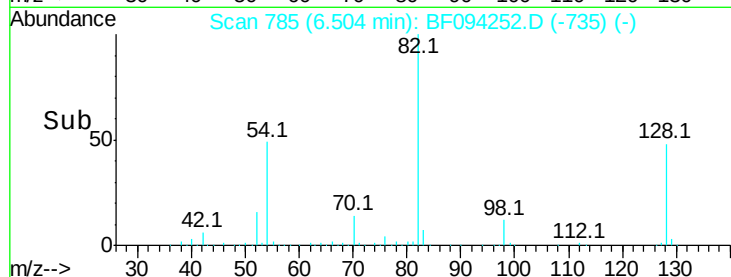
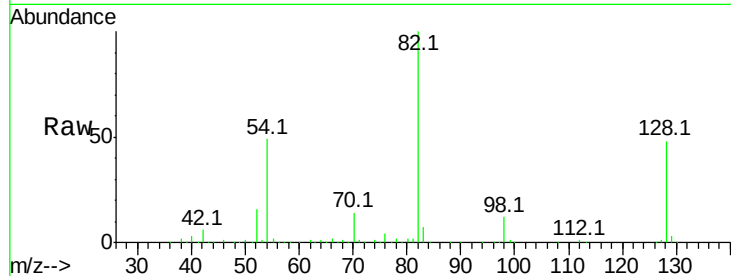




#23
 Nitrobenzene-d5
 Concen: 74.69 ng
 RT: 6.50 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF094252.D
 Acq: 7 Apr 2017 4:38

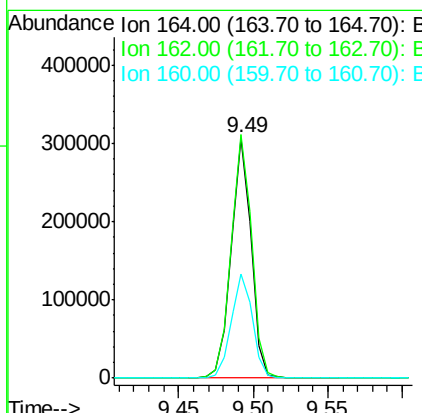
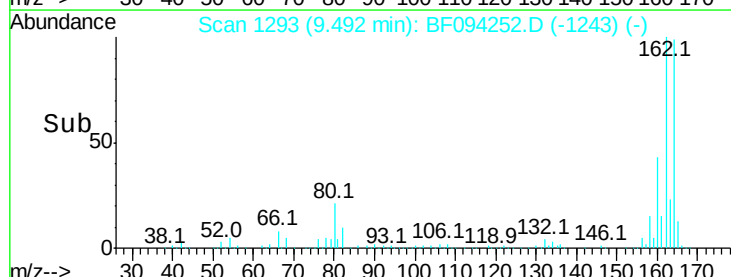
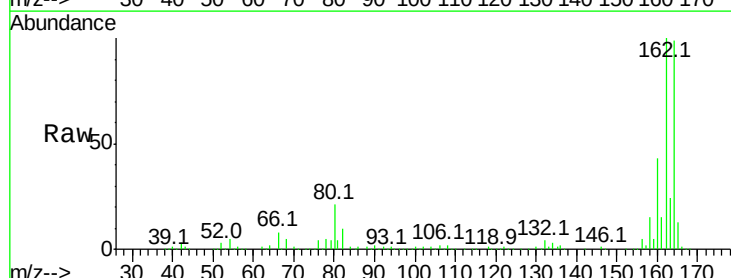
Instrument :
 BNA_F
 ClientSampleId :
 B2-S1(0-2)

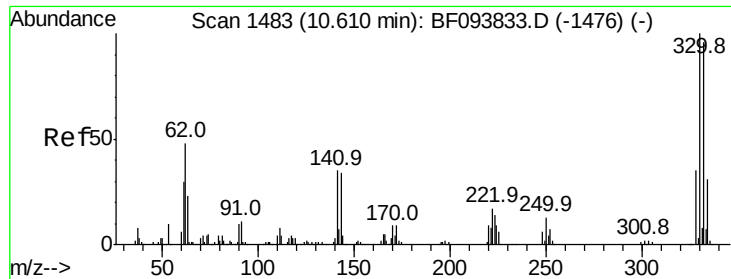
Tot Ion: 82 Resp: 896744
 Ion Ratio Lower Upper
 82 100
 128 47.6 34.0 51.0
 54 48.8 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF094252.D
 Acq: 7 Apr 2017 4:38

Tgt Ion:164 Resp: 291571
 Ion Ratio Lower Upper
 164 100
 162 101.4 82.6 123.8
 160 43.4 36.2 54.2

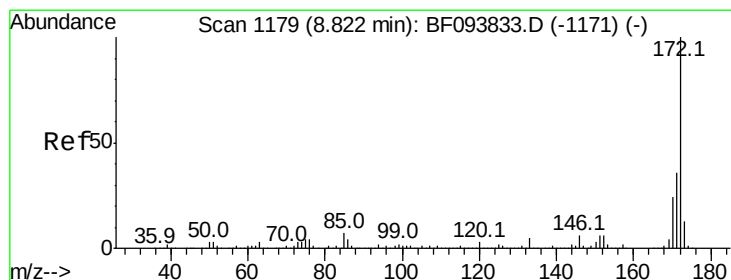
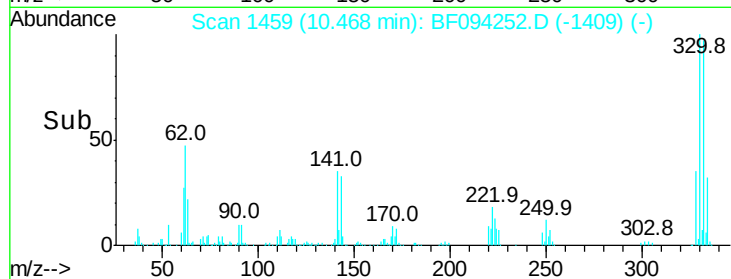
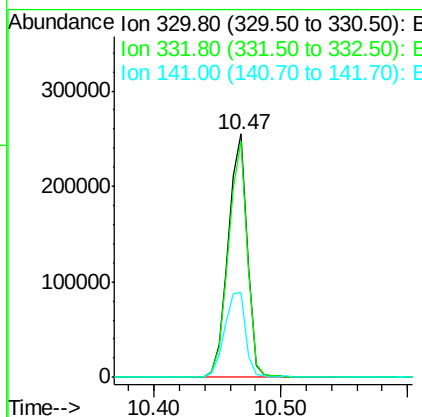
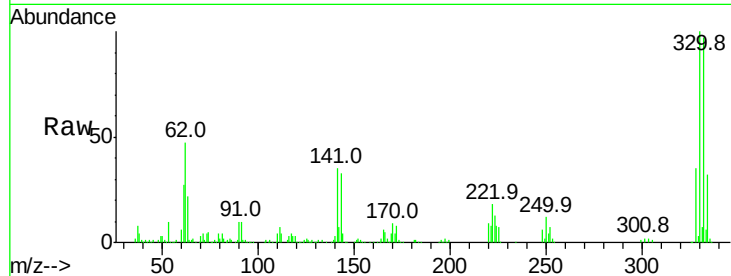




#41
 2,4,6-Tribromophenol
 Concen: 115.09 ng
 RT: 10.47 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF094252.D
 Acq: 7 Apr 2017 4:38

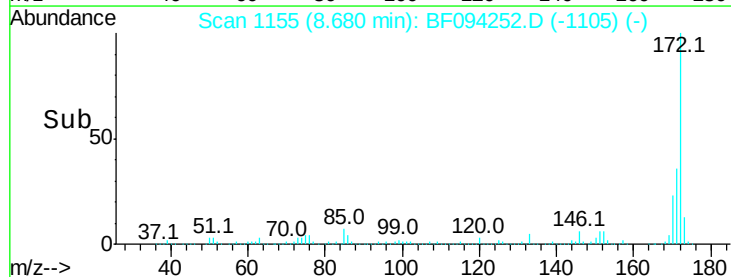
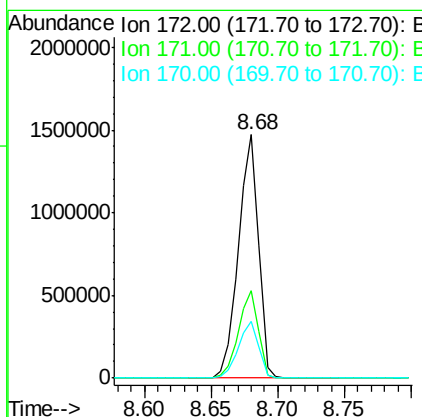
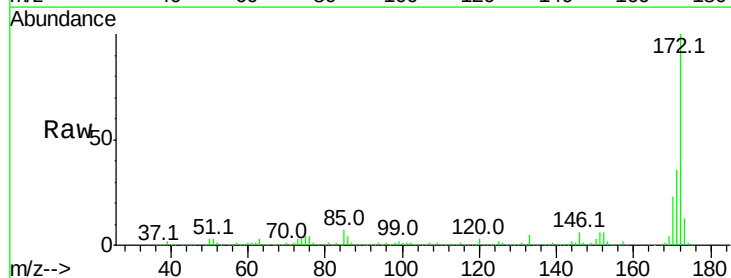
Instrument :
 BNA_F
 ClientSampleId :
 B2-S1(0-2)

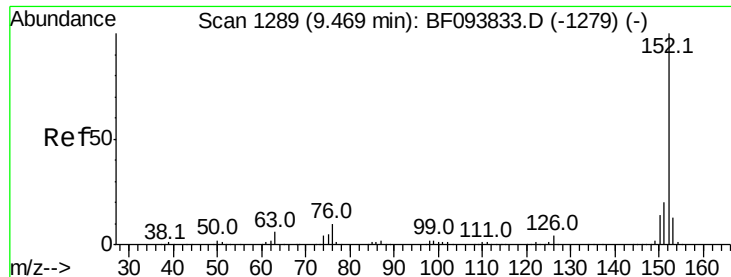
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	115.0
141	38.1	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 80.86 ng
 RT: 8.68 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BF094252.D
 Acq: 7 Apr 2017 4:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	23.3	19.8	29.8





#48

Acenaphthylene

Concen: 3.76 ng

RT: 9.32 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BF094252.D

Acq: 7 Apr 2017 4:38

Instrument :

BNA_F

ClientSampleId :

B2-S1(0-2)

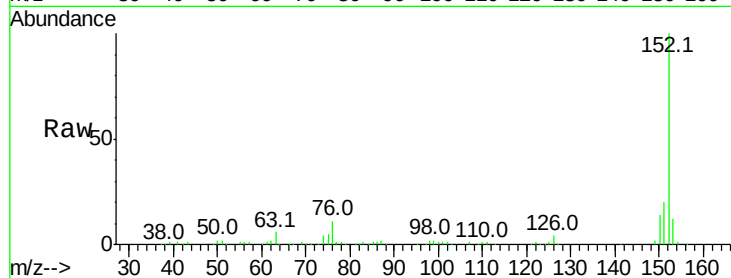
Tot Ion:152 Resp: 115180

Ion Ratio Lower Upper

152 100

151 19.5 16.8 25.2

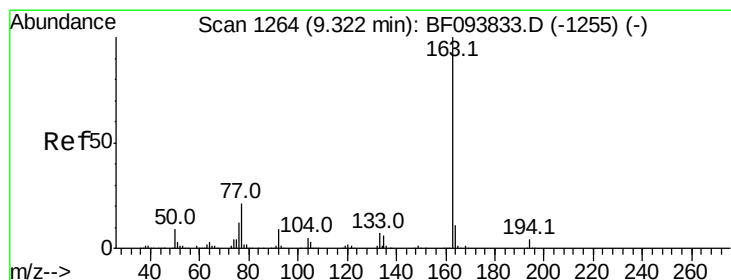
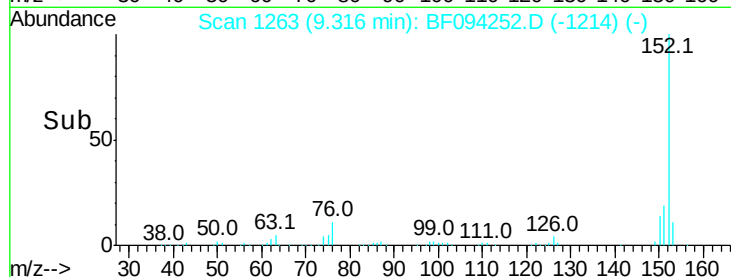
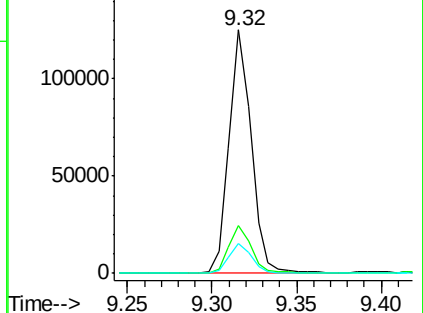
153 12.4 10.8 16.2



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



#49

Dimethylphthalate

Concen: 10.08 ng

RT: 9.17 min Scan# 1239

Delta R.T. -0.02 min

Lab File: BF094252.D

Acq: 7 Apr 2017 4:38

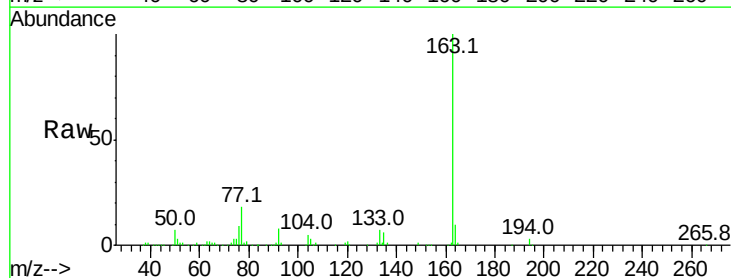
Tgt Ion:163 Resp: 208893

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

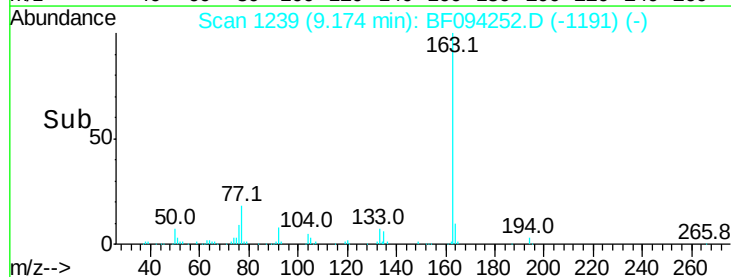
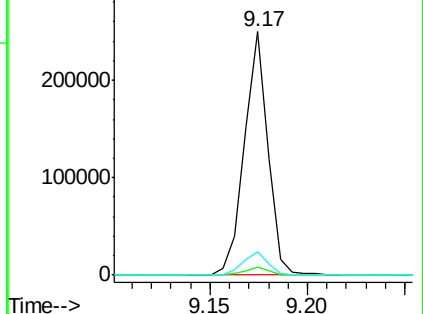
164 9.6 8.4 12.6

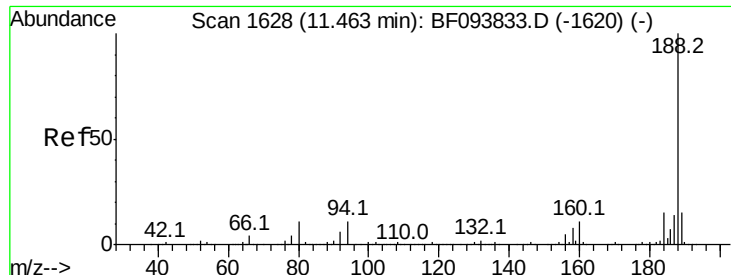


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 1603

Delta R.T. -0.01 min

Lab File: BF094252.D

Acq: 7 Apr 2017 4:38

Instrument :

BNA_F

ClientSampleId :

B2-S1(0-2)

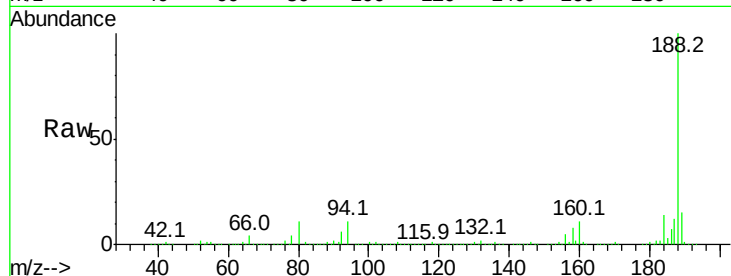
Tot Ion:188 Resp: 449163

Ion Ratio Lower Upper

188 100

94 10.7 9.4 14.2

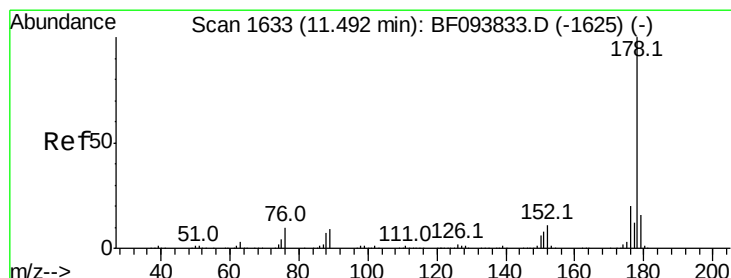
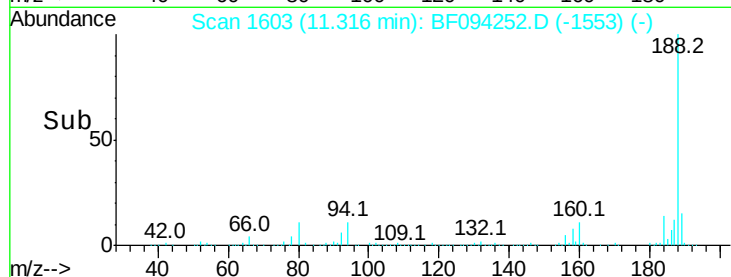
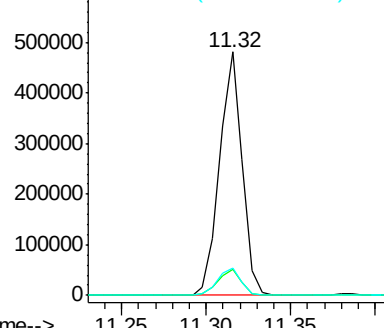
80 11.3 10.2 15.2



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: 3.79 ng

RT: 11.34 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BF094252.D

Acq: 7 Apr 2017 4:38

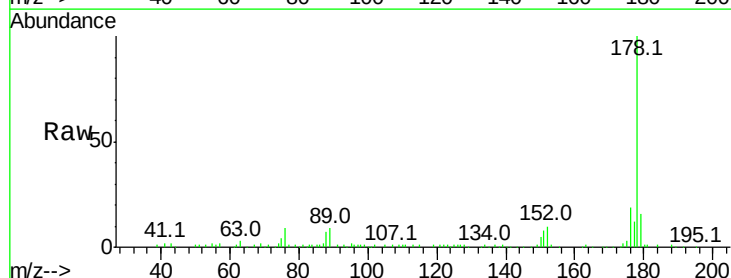
Tgt Ion:178 Resp: 94729

Ion Ratio Lower Upper

178 100

176 18.6 16.2 24.4

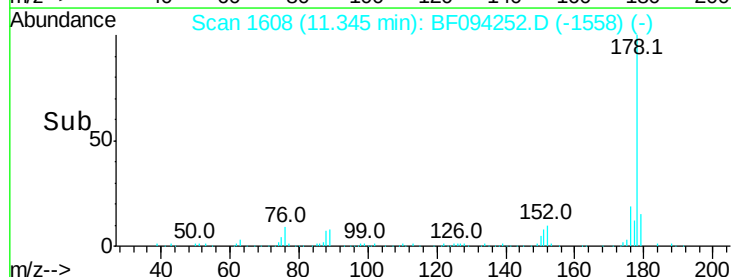
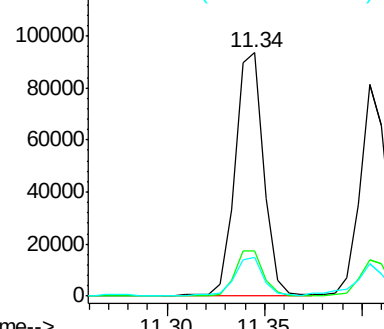
179 15.9 12.6 19.0

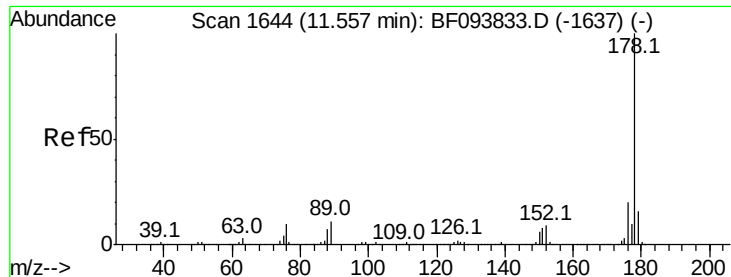


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

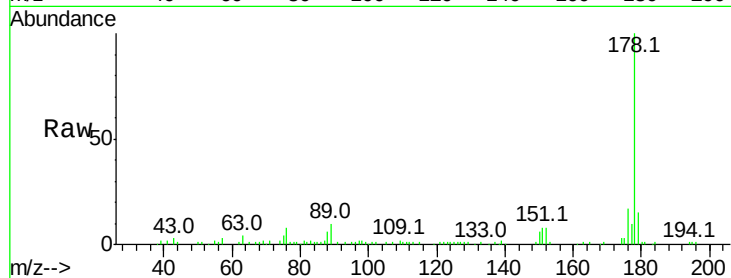




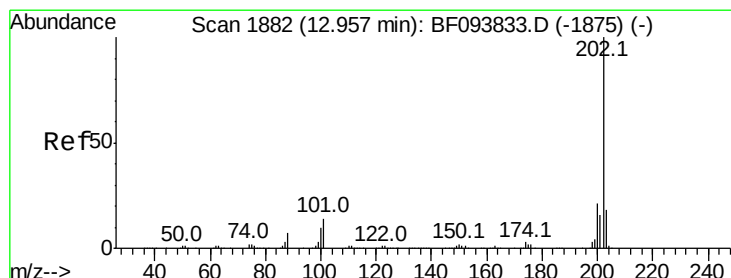
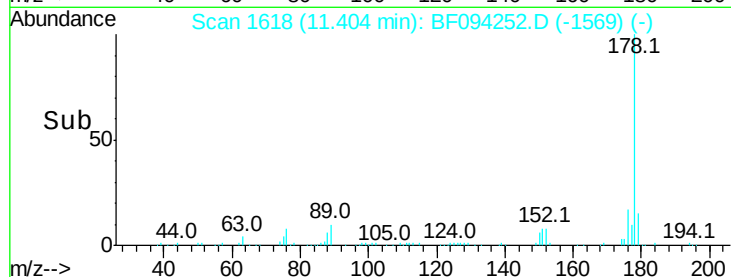
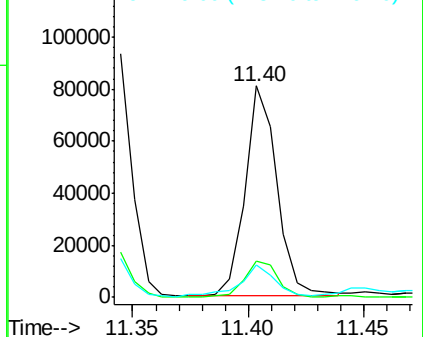
#71
 Anthracene
 Concen: 3.03 ng
 RT: 11.40 min Scan# 1618
 Delta R.T. -0.01 min
 Lab File: BF094252.D
 Acq: 7 Apr 2017 4:38

Instrument :
 BNA_F
 ClientSampleId :
 B2-S1(0-2)

Tot Ion:178 Resp: 77914
 Ion Ratio Lower Upper
 178 100
 176 17.1 15.8 23.8
 179 15.4 12.7 19.1

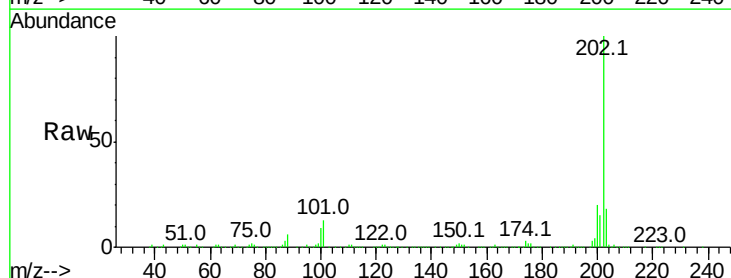


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

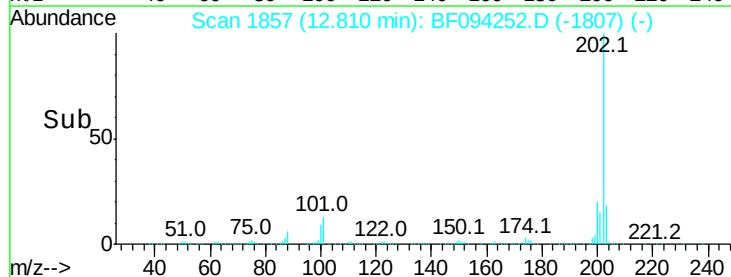
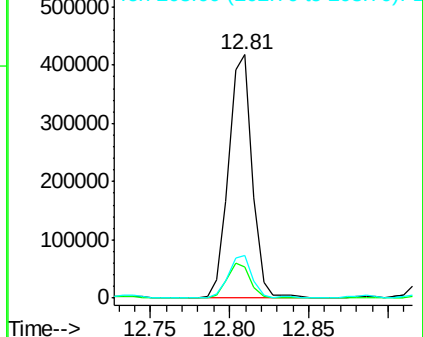


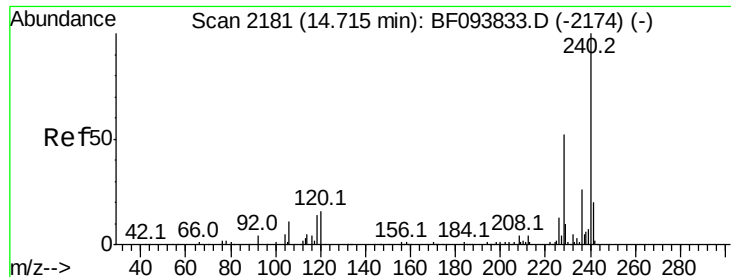
#74
 Fluoranthene
 Concen: 16.84 ng
 RT: 12.81 min Scan# 1857
 Delta R.T. -0.01 min
 Lab File: BF094252.D
 Acq: 7 Apr 2017 4:38

Tgt Ion:202 Resp: 430819
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 33.2
 203 17.7 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: 14.57 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BF094252.D

Acq: 7 Apr 2017 4:38

Instrument :

BNA_F

ClientSampleId :

B2-S1(0-2)

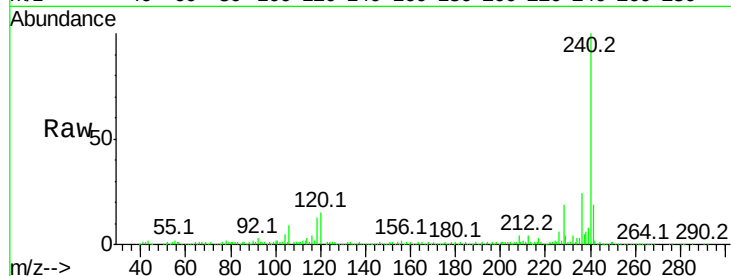
Tot Ion:240 Resp: 321732

Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

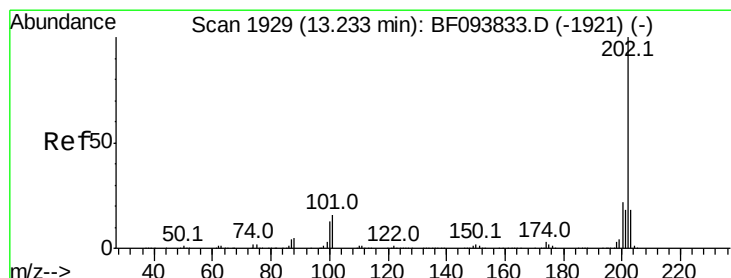
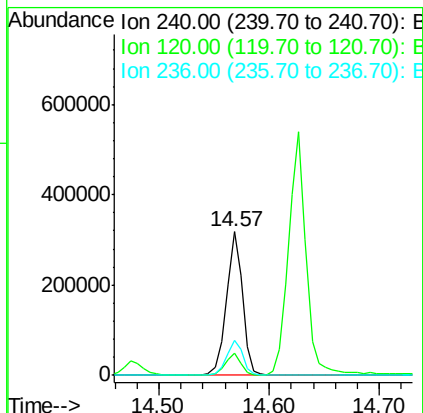
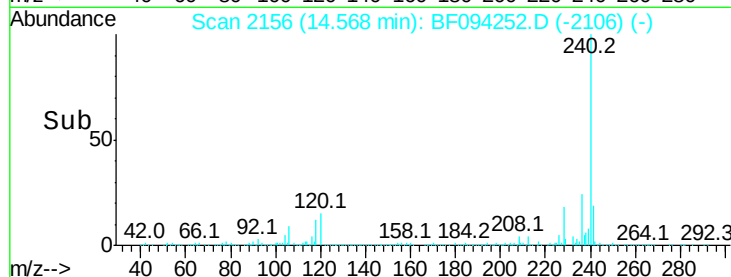
236 24.2 20.5 30.7



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: 21.27 ng

RT: 13.09 min Scan# 1904

Delta R.T. -0.01 min

Lab File: BF094252.D

Acq: 7 Apr 2017 4:38

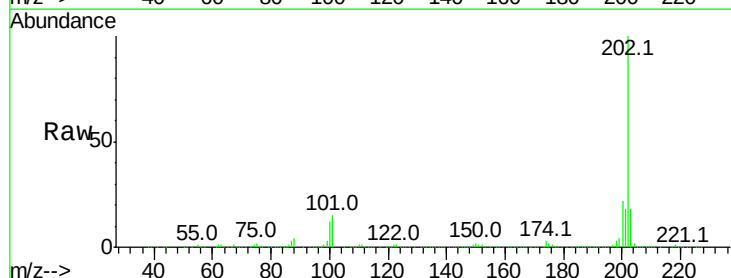
Tgt Ion:202 Resp: 496732

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

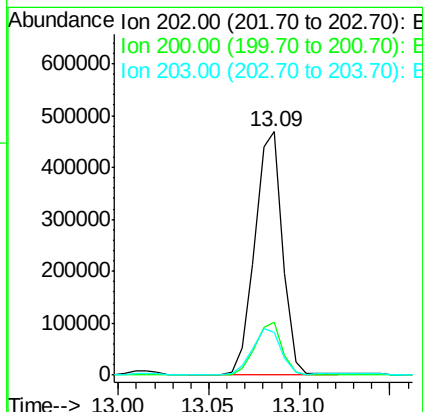
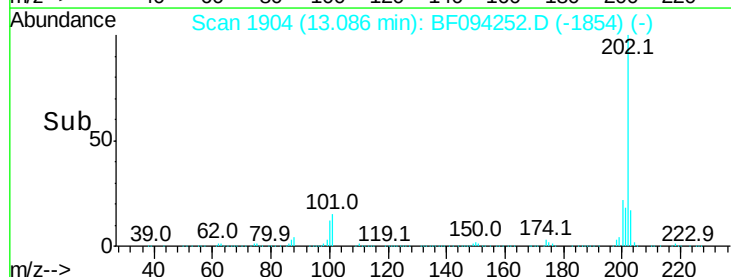
203 17.5 14.4 21.6

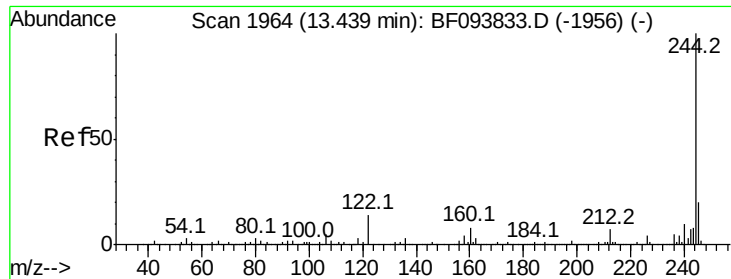


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

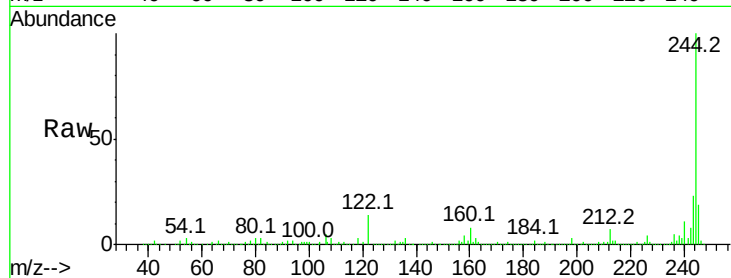




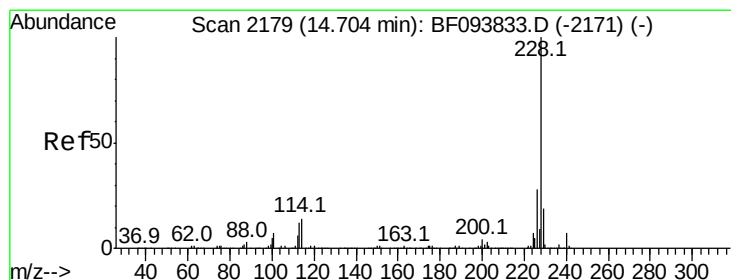
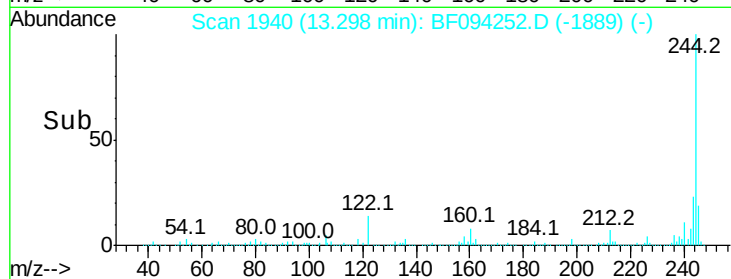
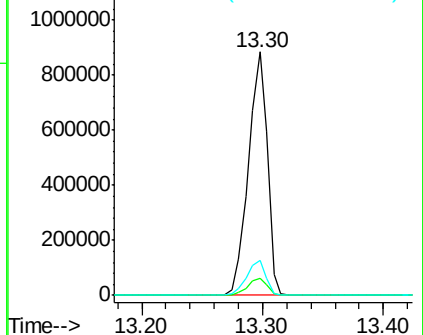
#78
 Terphenyl-d14
 Concen: 67.89 ng
 RT: 13.30 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: BF094252.D
 Acq: 7 Apr 2017 4:38

Instrument :
 BNA_F
 ClientSampleId :
 B2-S1(0-2)

Tot Ion:244 Resp: 974454
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 14.4 10.3 15.5

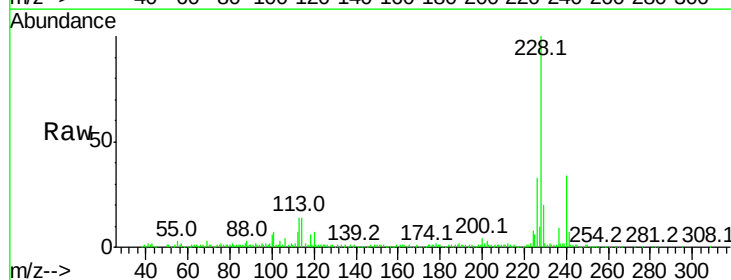


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

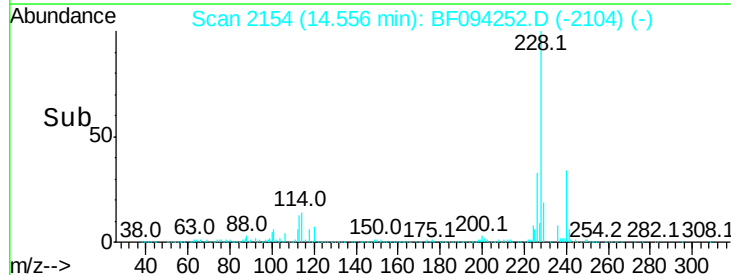
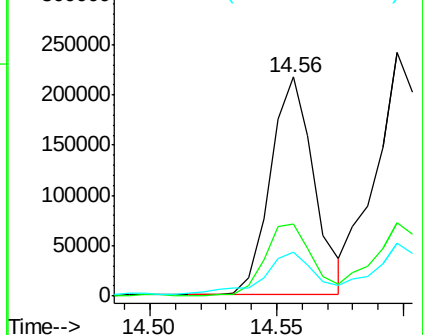


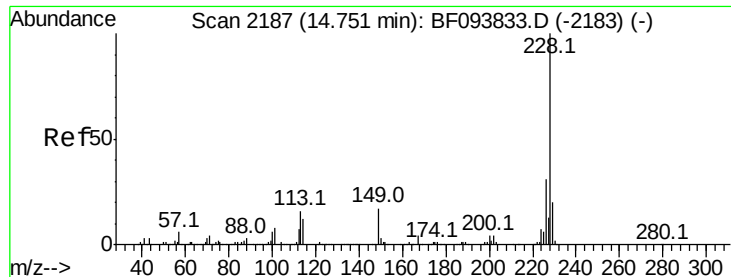
#80
 Benzo(a)anthracene
 Concen: 13.96 ng
 RT: 14.56 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: BF094252.D
 Acq: 7 Apr 2017 4:38

Tgt Ion:228 Resp: 261840
 Ion Ratio Lower Upper
 228 100
 226 33.1 22.6 33.8
 229 20.4 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: 16.67 ng

RT: 14.60 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BF094252.D

Acq: 7 Apr 2017 4:38

Instrument :

BNA_F

ClientSampleId :

B2-S1(0-2)

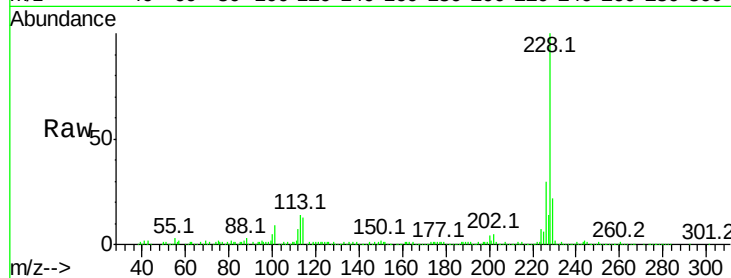
Tot Ion:228 Resp: 290218

Ion Ratio Lower Upper

228 100

226 29.9 24.9 37.3

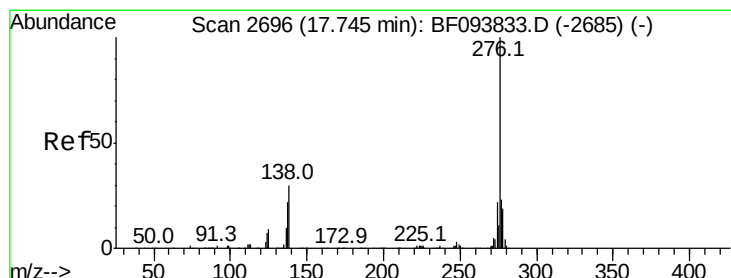
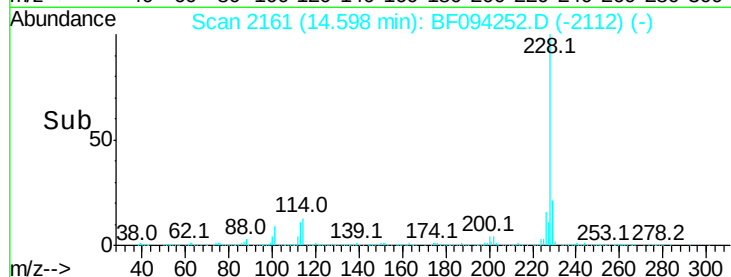
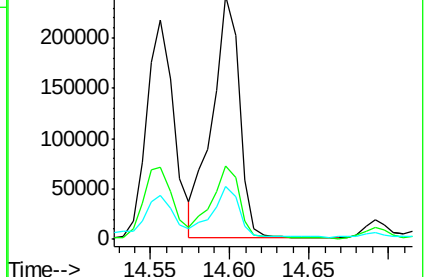
229 21.5 15.8 23.6



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: 10.20 ng

RT: 17.53 min Scan# 2659

Delta R.T. 0.01 min

Lab File: BF094252.D

Acq: 7 Apr 2017 4:38

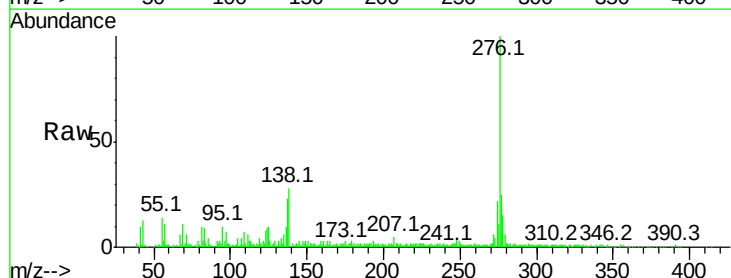
Tgt Ion:276 Resp: 153861

Ion Ratio Lower Upper

276 100

138 30.7 27.8 41.6

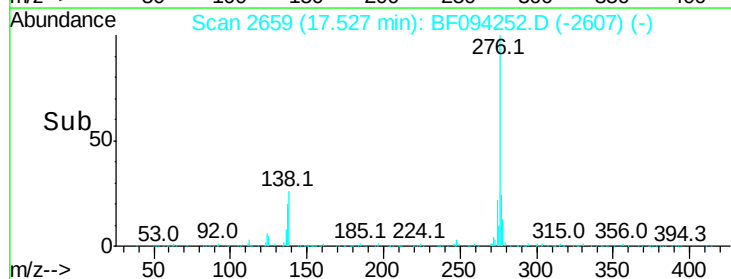
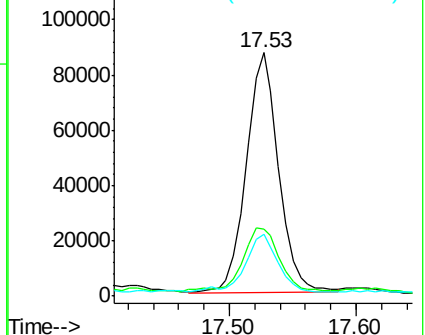
277 24.7 20.2 30.4

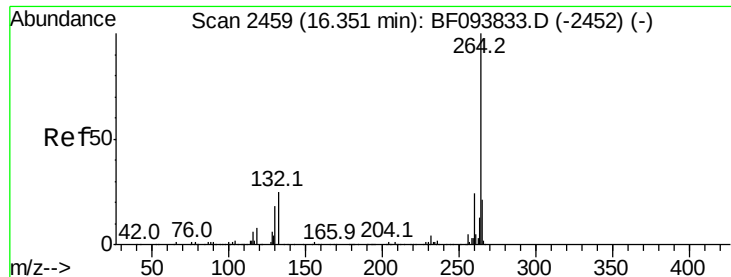


Abundance Ion 276.00 (275.70 to 276.70): E

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: 16.20 min Scan# 2434

Delta R.T. 0.01 min

Lab File: BF094252.D

Acq: 7 Apr 2017 4:38

Instrument :

BNA_F

ClientSampleId :

B2-S1(0-2)

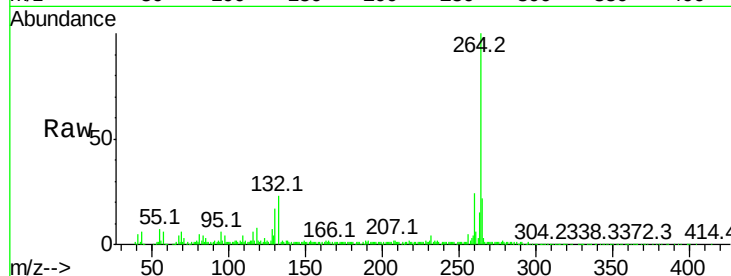
Tot Ion:264 Resp: 254191

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

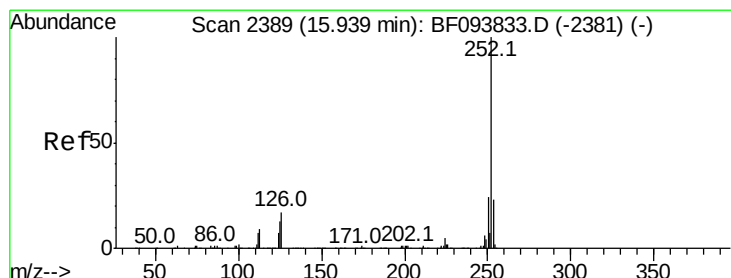
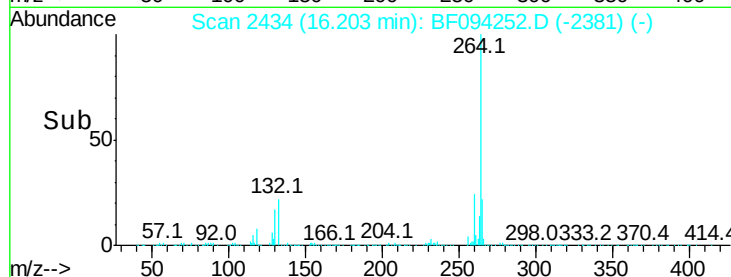
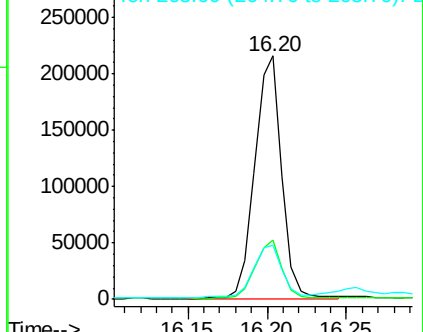
265 22.4 17.2 25.8



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: 32.22 ng

RT: 15.80 min Scan# 2365

Delta R.T. 0.01 min

Lab File: BF094252.D

Acq: 7 Apr 2017 4:38

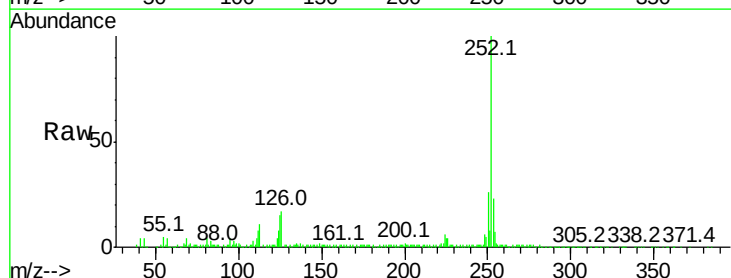
Tgt Ion:252 Resp: 502006

Ion Ratio Lower Upper

252 100

253 22.9 18.1 27.1

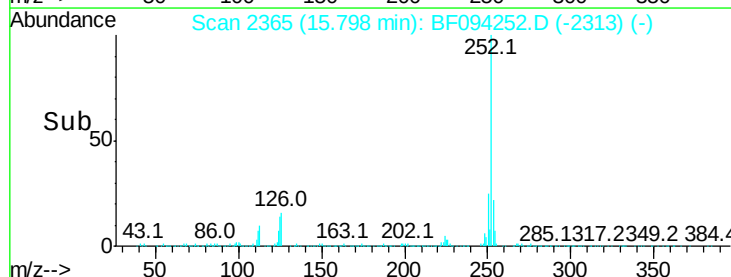
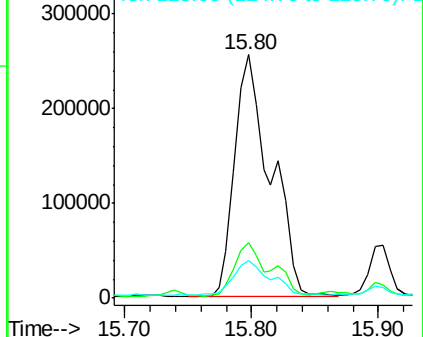
125 15.4 9.8 14.8#

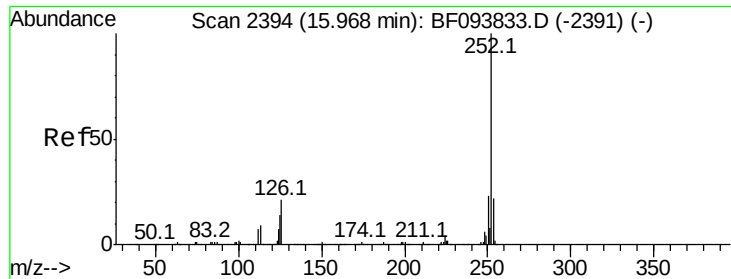


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

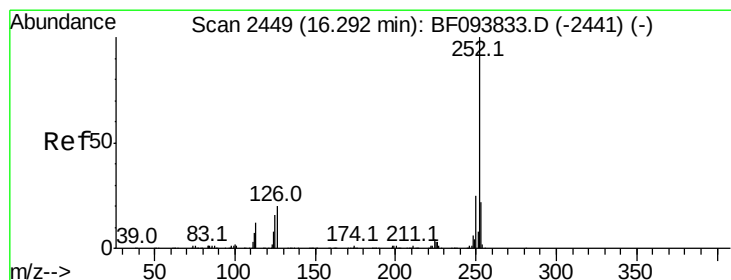
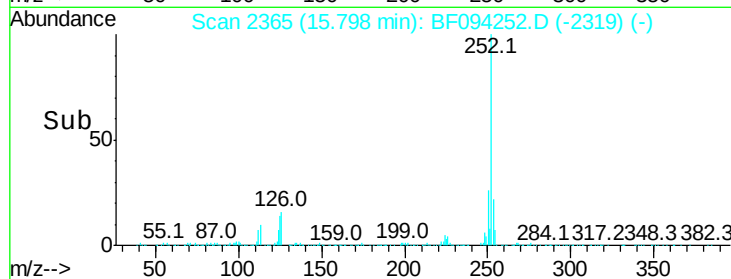
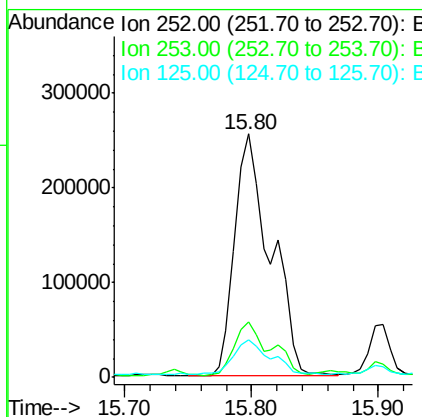
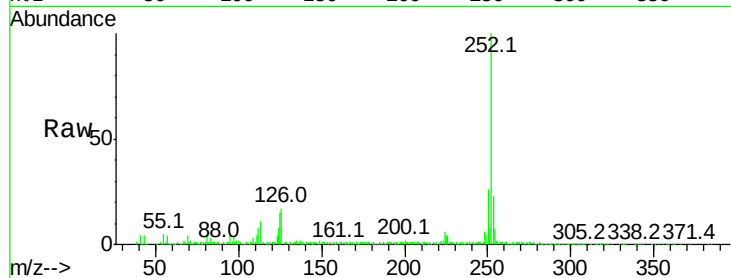




#88
Benzo(k)fluoranthene
Concen: 32.93 ng
RT: 15.80 min Scan# 2365
Delta R.T. -0.03 min
Lab File: BF094252.D
Acq: 7 Apr 2017 4:38

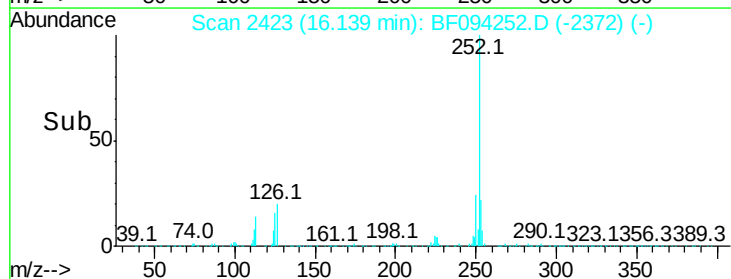
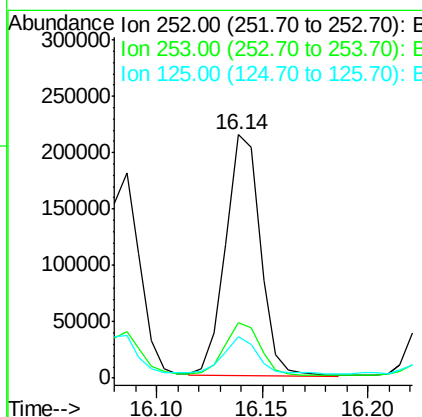
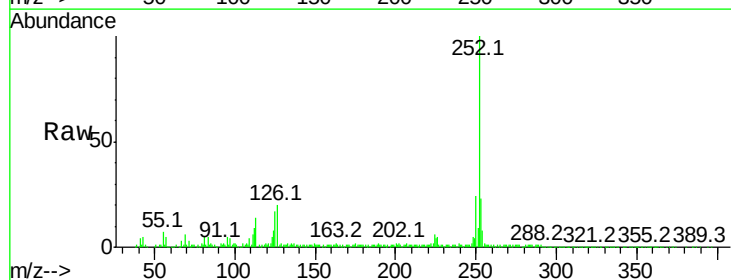
Instrument :
BNA_F
ClientSampleId :
B2-S1(0-2)

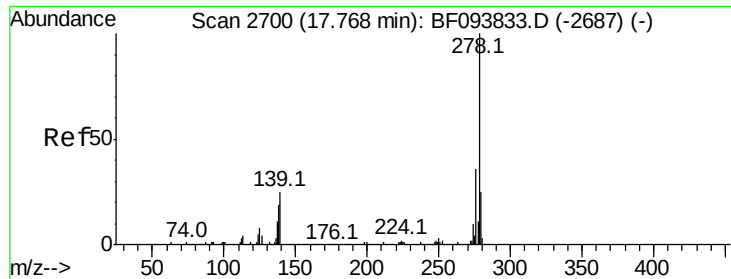
Tot Ion:252	Resp:	502006
Ion Ratio	Lower	Upper
252	100	
253	22.9	18.4 27.6
125	15.4	13.1 19.7



#89
Benzo(a)pyrene
Concen: 17.05 ng
RT: 16.14 min Scan# 2423
Delta R.T. -0.00 min
Lab File: BF094252.D
Acq: 7 Apr 2017 4:38

Tgt Ion:252	Resp:	244657
Ion Ratio	Lower	Upper
252	100	
253	22.8	17.5 26.3
125	16.8	11.0 16.4#



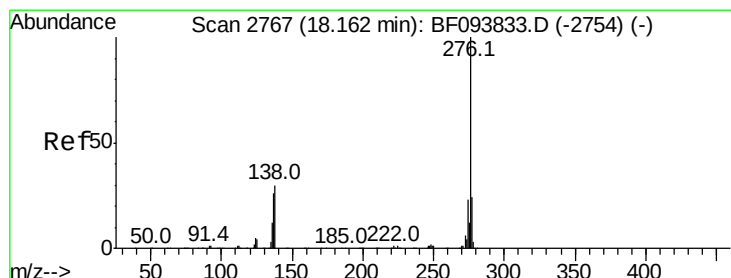
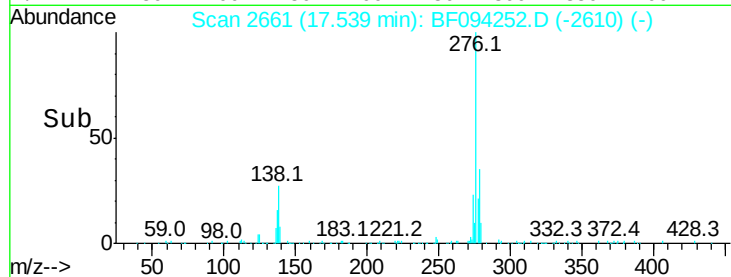
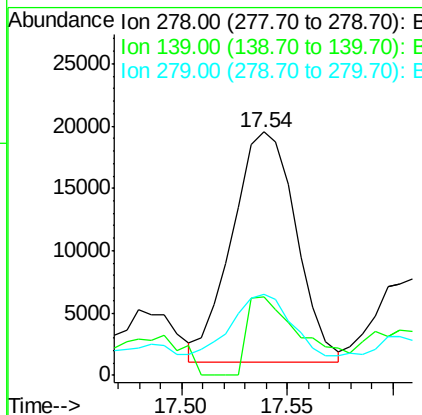
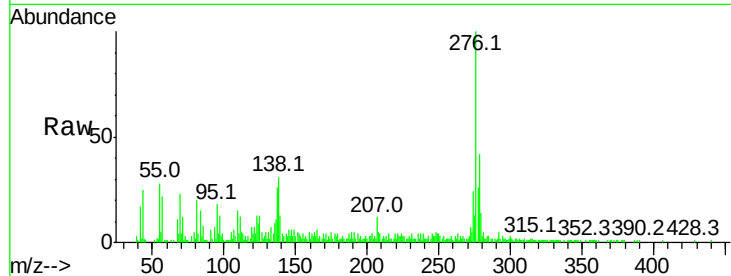


#90
Dibenzo(a,h)anthracene
Concen: 3.19 ng
RT: 17.54 min Scan# 2661
Delta R.T. -0.00 min
Lab File: BF094252.D
Acq: 7 Apr 2017 4:38

Instrument :
BNA_F
ClientSampleId :
B2-S1(0-2)

Tot Ion:278 Resp: 38775

Ion	Ratio	Lower	Upper
278	100		
139	32.3	16.6	24.8#
279	33.3	19.3	28.9#



#91
Benzo(g,h,i)perylene
Concen: 12.32 ng
RT: 17.92 min Scan# 2725
Delta R.T. 0.01 min
Lab File: BF094252.D
Acq: 7 Apr 2017 4:38

Tgt Ion:276 Resp: 150898

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.6	28.0
138	31.6	25.4	38.0

