

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094152.D
 Acq On : 4 Apr 2017 7:05
 Operator : SJ/MA
 Sample : I2510-04
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-O11-BASE

Quant Time: Apr 04 07:35:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

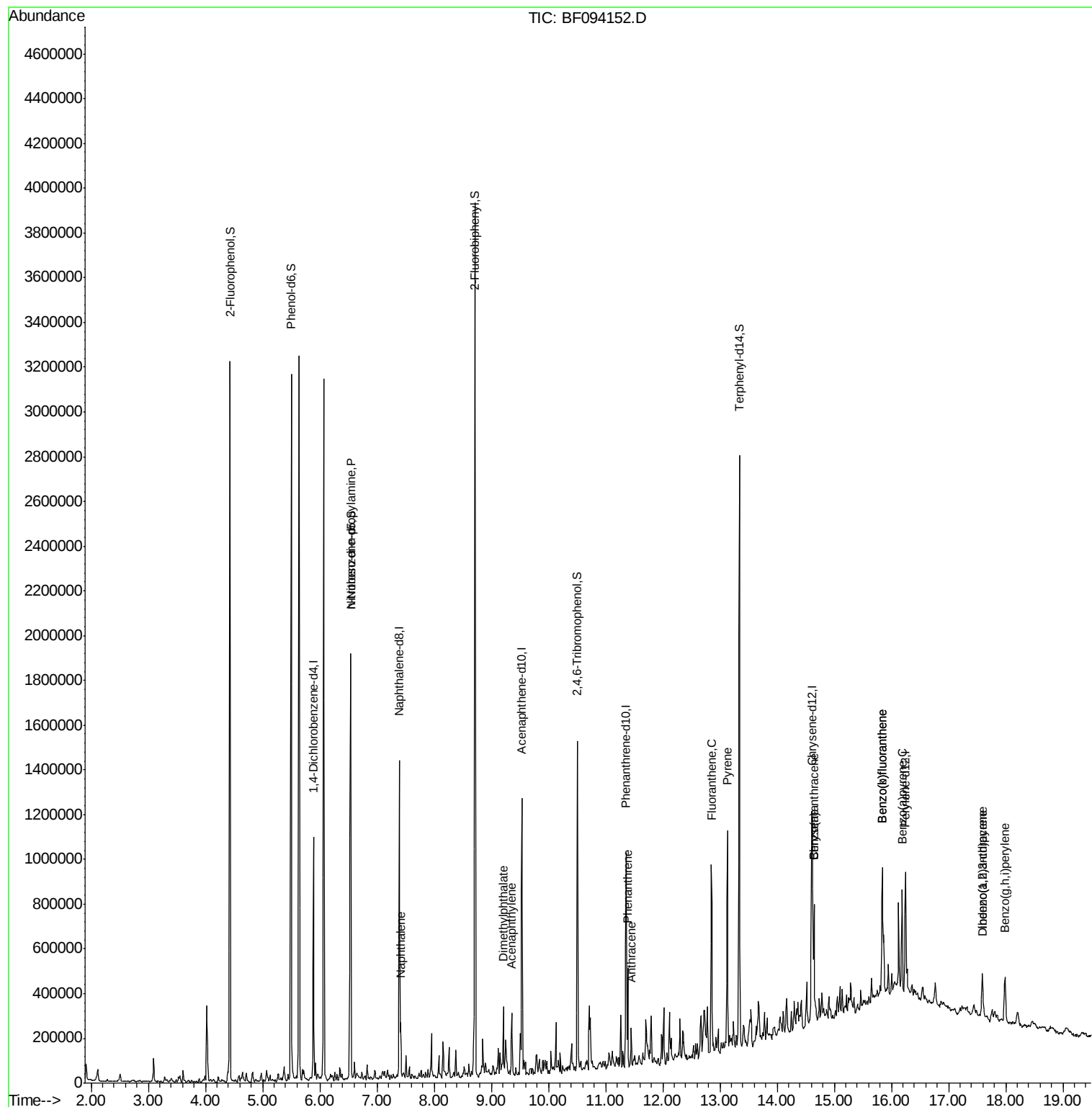
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	167940	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	637724	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	248270	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	370412	20.00	ng	-0.02
75) Chrysene-d12	14.62	240	317324	20.00	ng	-0.01
86) Perylene-d12	16.24	264	224191	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.43	112	995644	100.13	ng	0.00
7) Phenol-d6	5.50	99	1259035	102.36	ng	-0.01
23) Nitrobenzene-d5	6.54	82	707411	63.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	183915	93.74	ng	-0.01
44) 2-Fluorobiphenyl	8.72	172	1378839	84.71	ng	-0.02
78) Terphenyl-d14	13.34	244	938410	66.29	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.54	70	92412	11.69	ng	# 75
31) Naphthalene	7.42	128	73628	2.40	ng	100
48) Acenaphthylene	9.36	152	114062	4.38	ng	97
49) Dimethylphthalate	9.21	163	119719	6.78	ng	99
70) Phenanthrene	11.39	178	171152	8.31	ng	97
71) Anthracene	11.45	178	77659	3.66	ng	100
74) Fluoranthene	12.85	202	371418	17.60	ng	98
77) Pyrene	13.13	202	427597	18.57	ng	98
80) Benzo(a)anthracene	14.64	228	228764	12.36	ng	94
82) Chrysene	14.64	228	228764	13.32	ng	96
85) Indeno(1,2,3-cd)pyrene	17.59	276	125305	8.43	ng	95
87) Benzo(b)fluoranthene	15.84	252	383933	27.94	ng	# 96
88) Benzo(k)fluoranthene	15.84	252	383933	28.55	ng	98
89) Benzo(a)pyrene	16.19	252	190564	15.06	ng	98
90) Dibenzo(a,h)anthracene	17.60	278	29157	2.72	ng	# 86
91) Benzo(g,h,i)perylene	17.99	276	146228	13.54	ng	98

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

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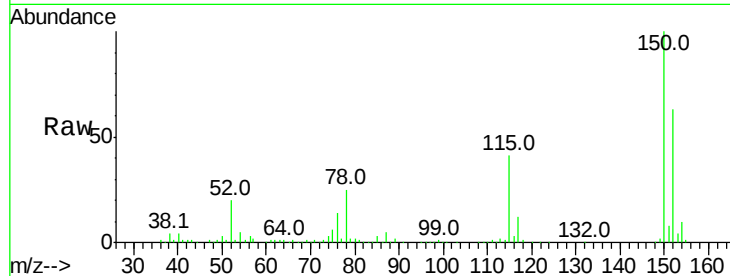


#1

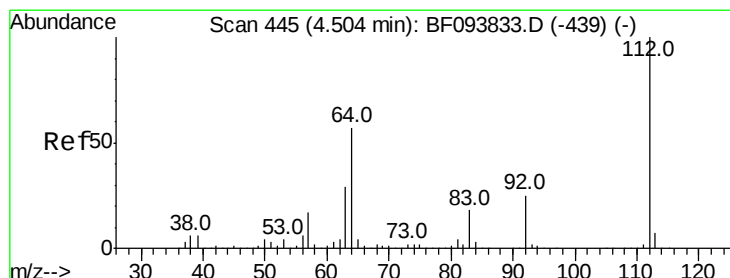
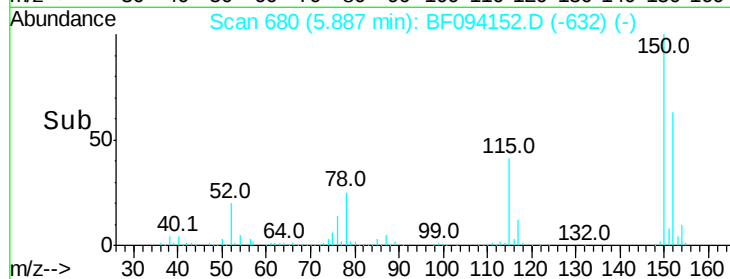
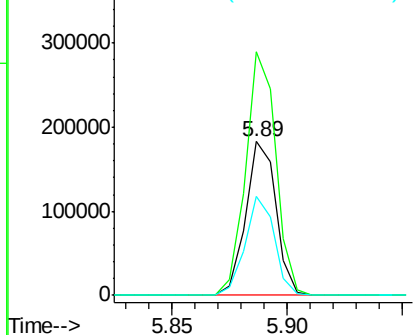
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.89 min Scan# 680
 Delta R.T. -0.02 min
 Lab File: BF094152.D
 Acq: 4 Apr 2017 7:05

Instrument :
 BNA_F
 ClientSampleId :
 E2-O11-BASE

Tot Ion:152 Resp: 167940
 Ion Ratio Lower Upper
 152 100
 150 158.7 126.2 189.2
 115 64.7 52.2 78.2



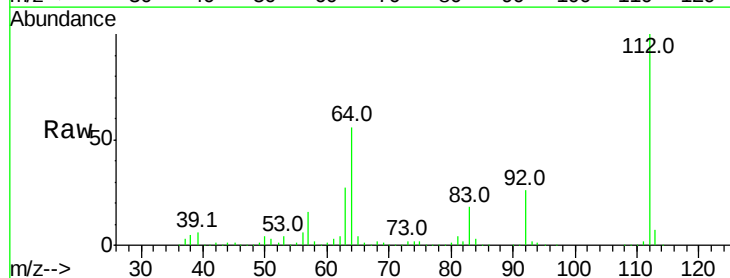
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



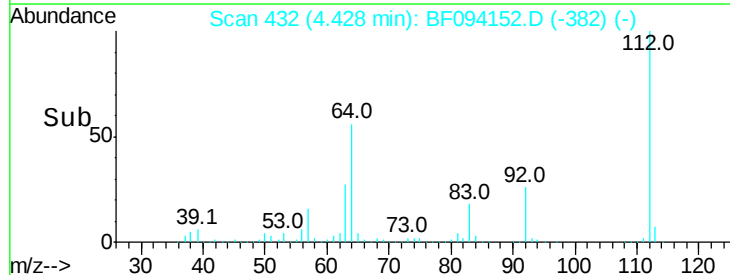
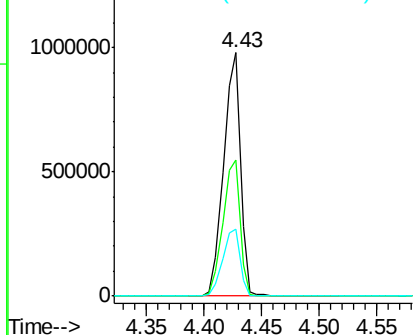
#5

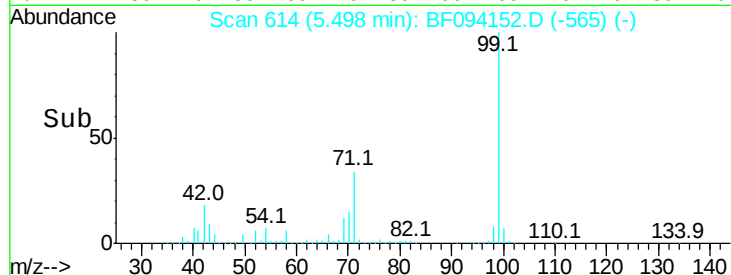
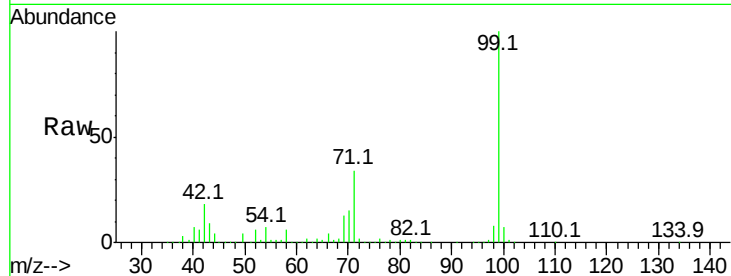
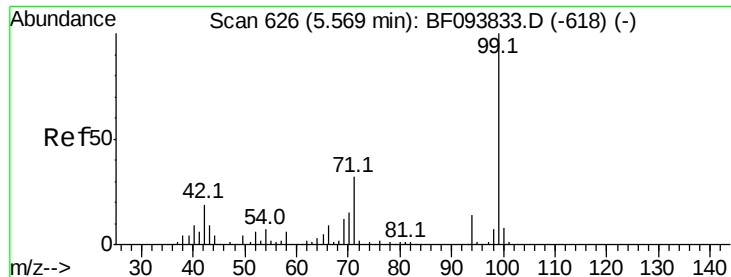
2-Fluorophenol
 Concen: 100.13 ng
 RT: 4.43 min Scan# 432
 Delta R.T. -0.01 min
 Lab File: BF094152.D
 Acq: 4 Apr 2017 7:05

Tgt Ion:112 Resp: 995644
 Ion Ratio Lower Upper
 112 100
 64 55.9 46.0 69.0
 63 27.3 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: 102.36 ng

RT: 5.50 min Scan# 614

Delta R.T. -0.01 min

Lab File: BF094152.D

Acq: 4 Apr 2017 7:05

Instrument :

BNA_F

ClientSampleId :

E2-O11-BASE

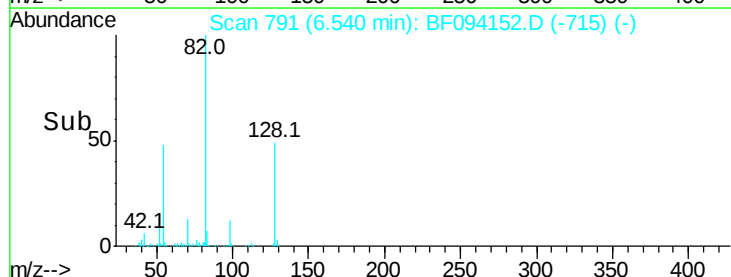
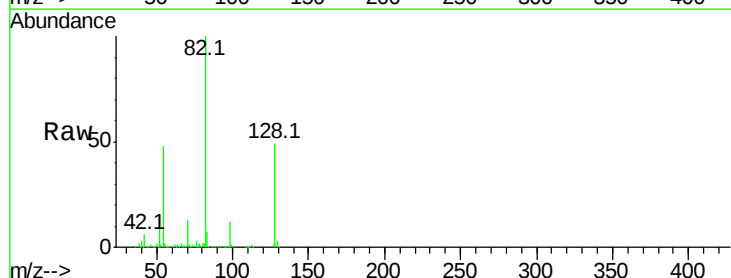
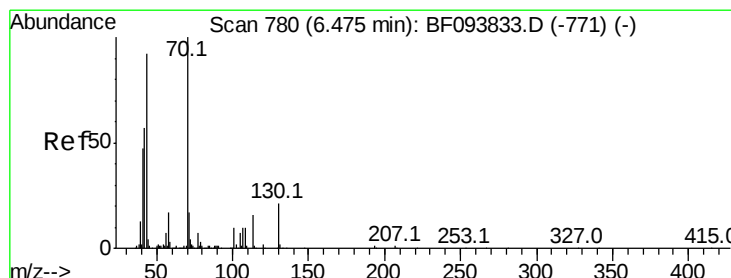
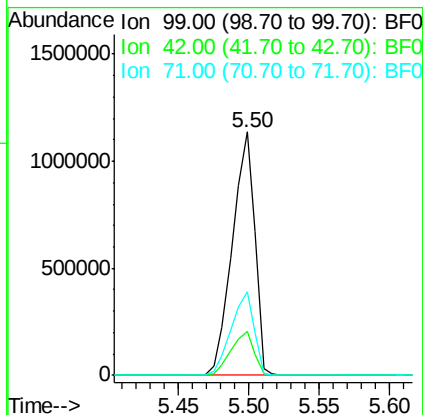
Tot Ion: 99 Resp: 1259035

Ion Ratio Lower Upper

99 100

42 18.0 13.5 20.3

71 34.1 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 11.69 ng

RT: 6.54 min Scan# 791

Delta R.T. 0.15 min

Lab File: BF094152.D

Acq: 4 Apr 2017 7:05

Tgt Ion: 70 Resp: 92412

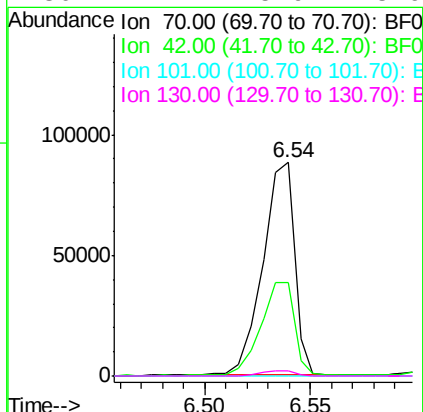
Ion Ratio Lower Upper

70 100

42 44.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF094152.D

Acq: 4 Apr 2017 7:05

Instrument :

BNA_F

ClientSampleId :

E2-O11-BASE

Tot Ion:136 Resp: 637724

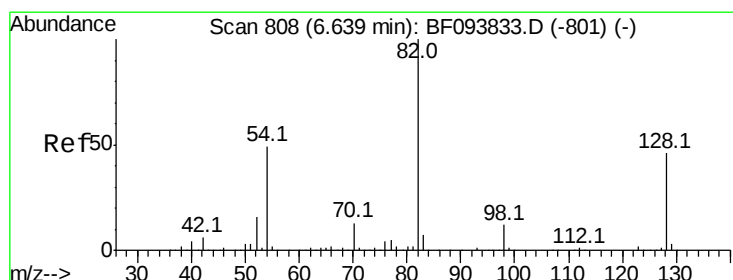
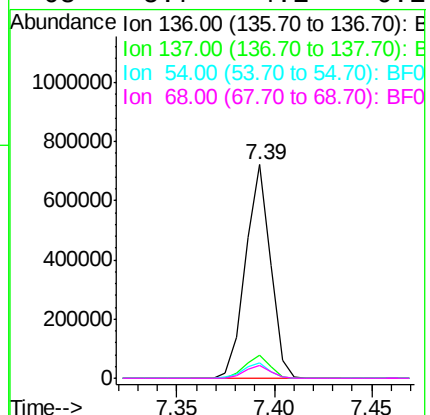
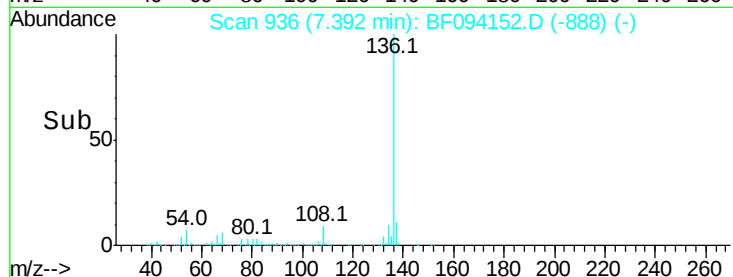
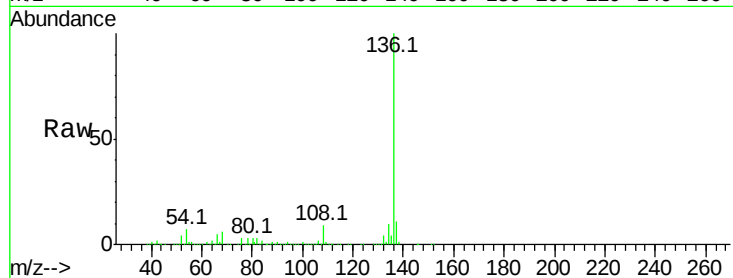
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.4 4.9 7.3#

68 5.7 4.1 6.1



#23

Nitrobenzene-d5

Concen: 63.30 ng

RT: 6.54 min Scan# 791

Delta R.T. -0.02 min

Lab File: BF094152.D

Acq: 4 Apr 2017 7:05

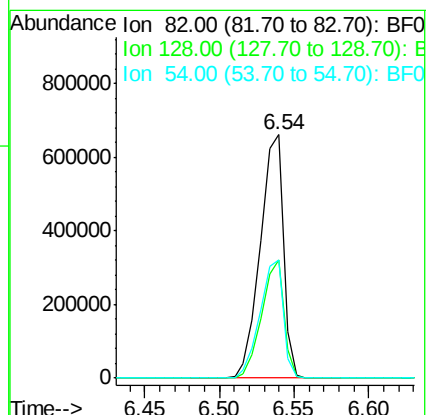
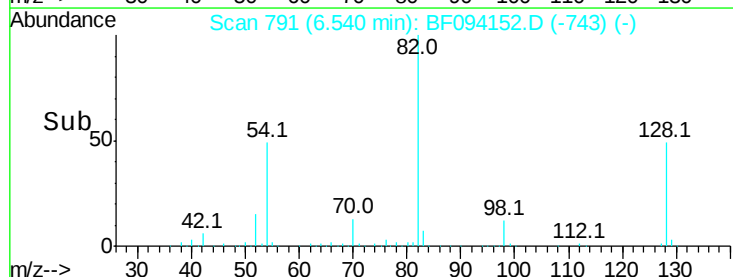
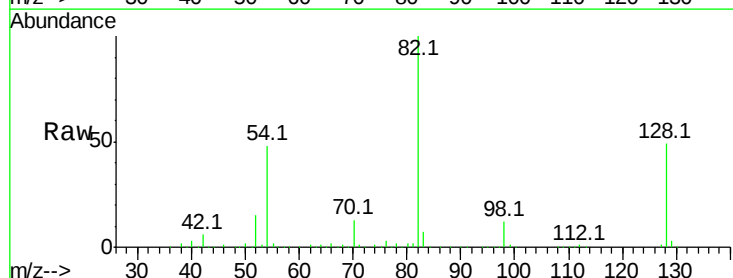
Tgt Ion: 82 Resp: 707411

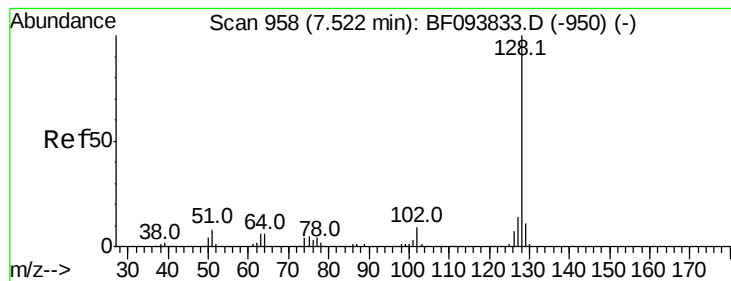
Ion Ratio Lower Upper

82 100

128 48.8 34.0 51.0

54 48.4 42.2 63.2





#31

Naphthalene

Concen: 2.40 ng

RT: 7.42 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF094152.D

Acq: 4 Apr 2017 7:05

Instrument :

BNA_F

ClientSampled :

E2-O11-BASE

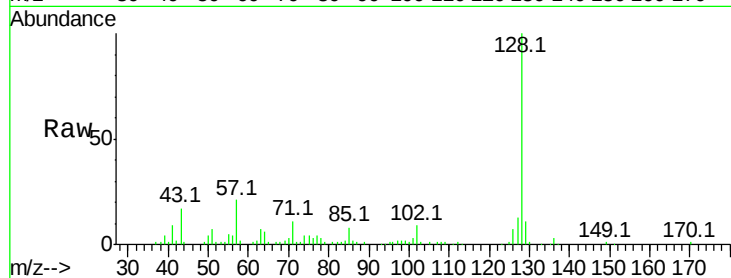
Tot Ion:128 Resp: 73628

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

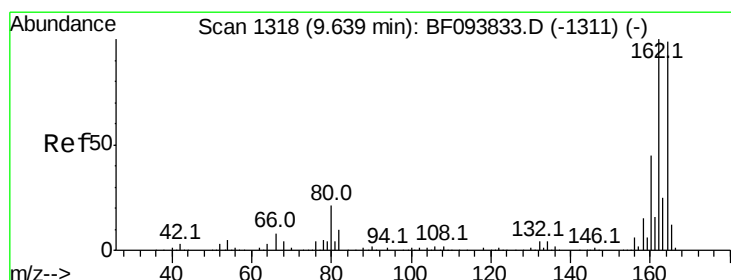
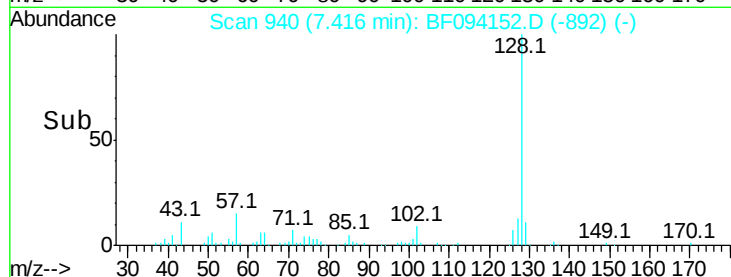
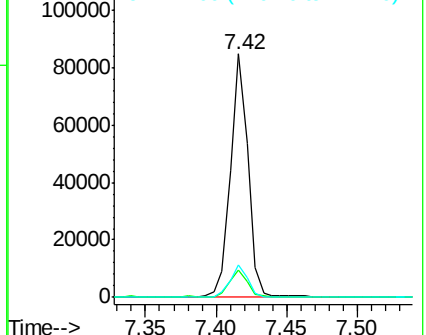
127 13.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.53 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BF094152.D

Acq: 4 Apr 2017 7:05

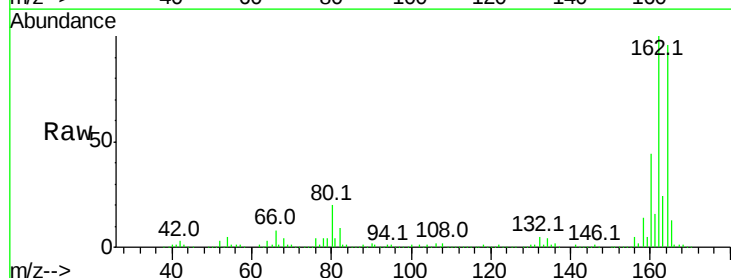
Tgt Ion:164 Resp: 248270

Ion Ratio Lower Upper

164 100

162 104.7 82.6 123.8

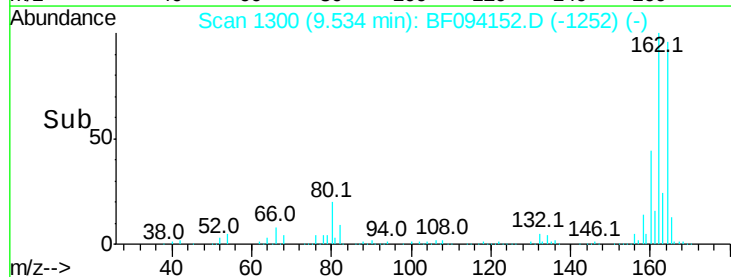
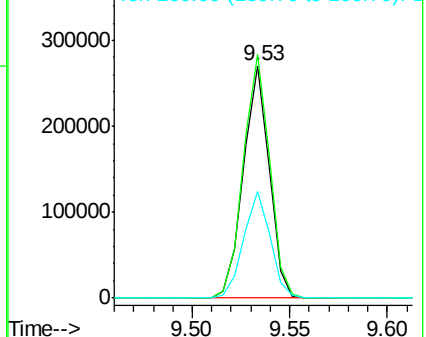
160 46.0 36.2 54.2



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

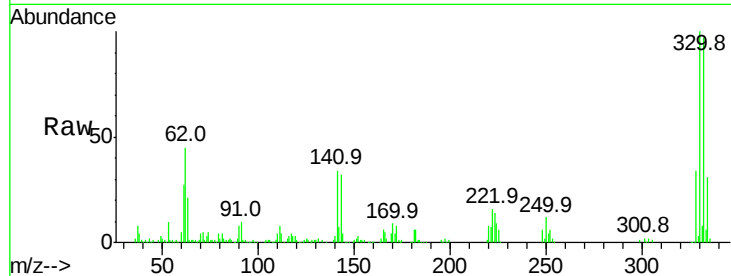




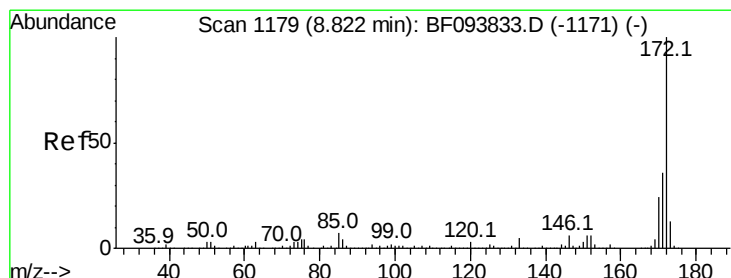
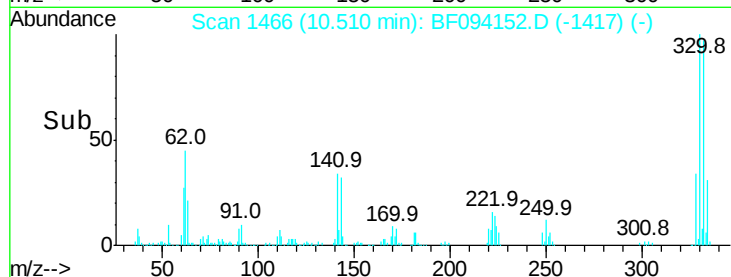
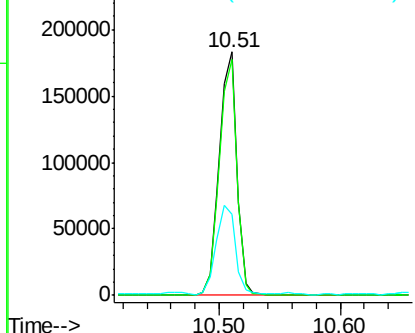
#41
 2,4,6-Tribromophenol
 Concen: 93.74 ng
 RT: 10.51 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF094152.D
 Acq: 4 Apr 2017 7:05

Instrument :
 BNA_F
 ClientSampleId :
 E2-O11-BASE

Tot Ion:330 Resp: 183915
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 115.0
 141 39.6 31.4 47.2

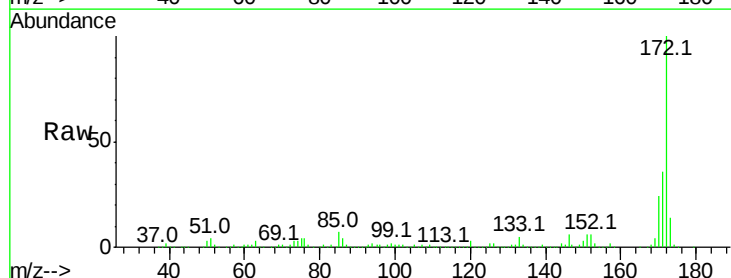


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

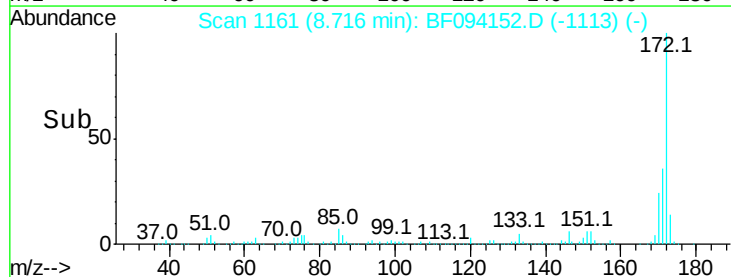
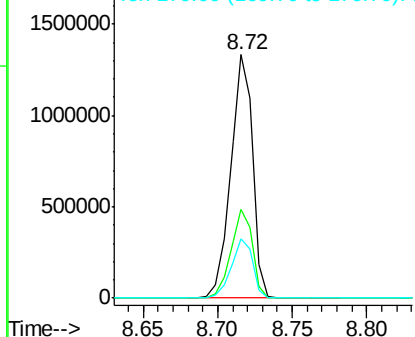


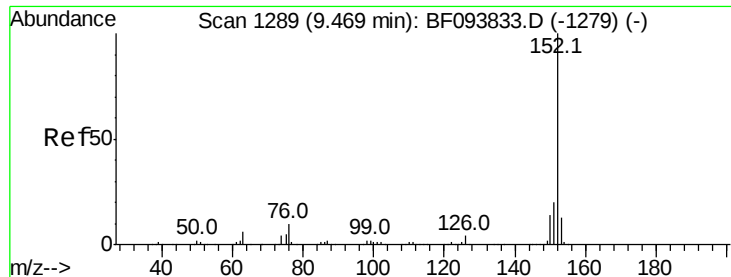
#44
 2-Fluorobiphenyl
 Concen: 84.71 ng
 RT: 8.72 min Scan# 1161
 Delta R.T. -0.02 min
 Lab File: BF094152.D
 Acq: 4 Apr 2017 7:05

Tgt Ion:172 Resp: 1378839
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 24.2 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: 4.38 ng

RT: 9.36 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF094152.D

Acq: 4 Apr 2017 7:05

Instrument :

BNA_F

ClientSampleId :

E2-O11-BASE

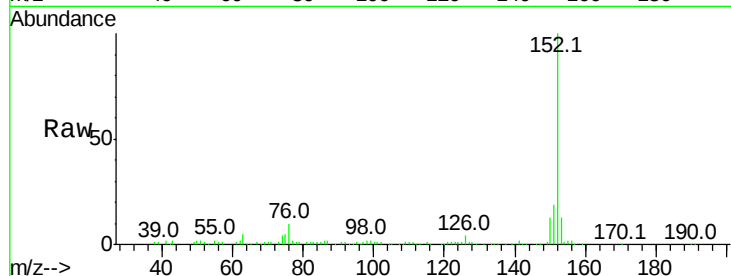
Tot Ion:152 Resp: 114062

Ion Ratio Lower Upper

152 100

151 19.0 16.8 25.2

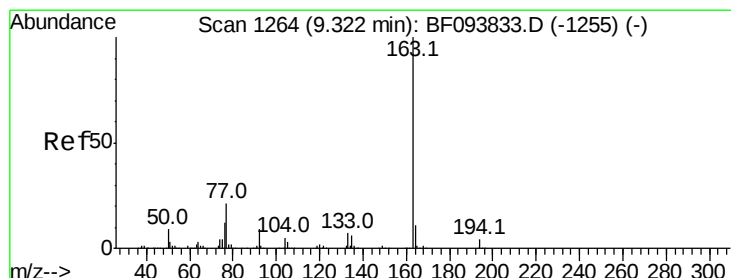
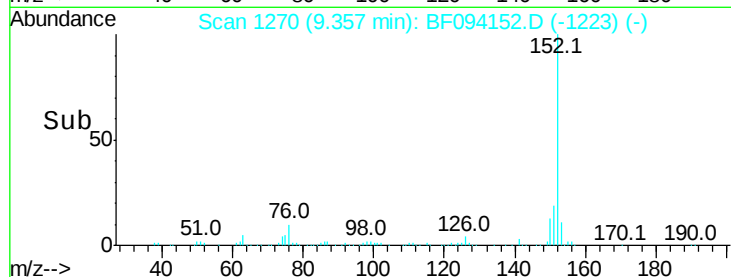
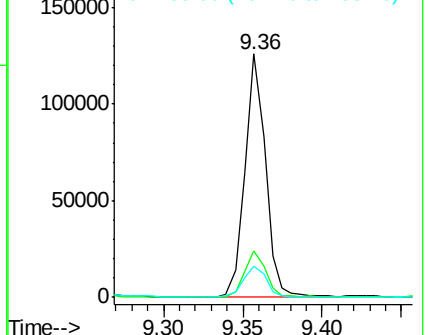
153 12.7 10.8 16.2



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: 6.78 ng

RT: 9.21 min Scan# 1245

Delta R.T. -0.04 min

Lab File: BF094152.D

Acq: 4 Apr 2017 7:05

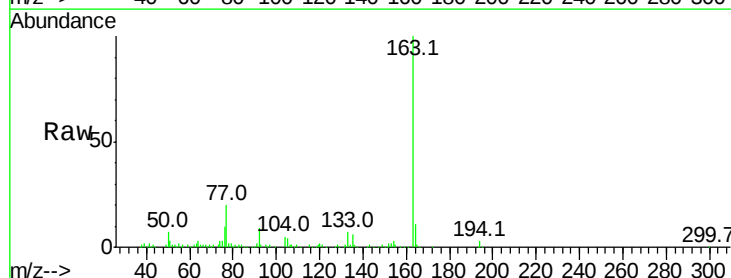
Tgt Ion:163 Resp: 119719

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

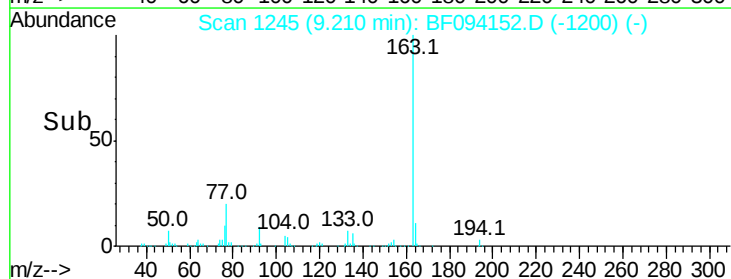
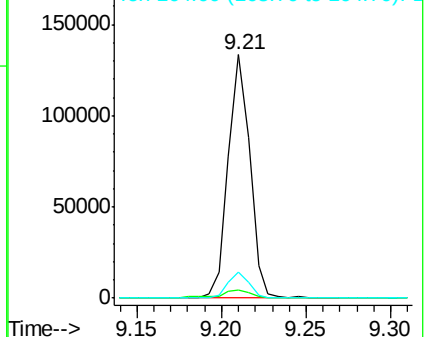
164 10.7 8.4 12.6

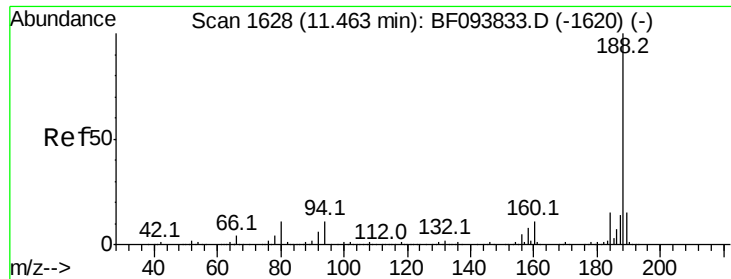


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

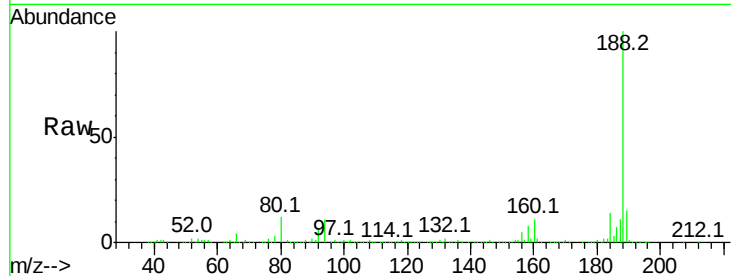




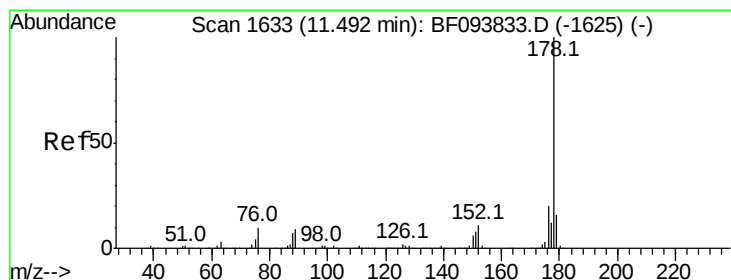
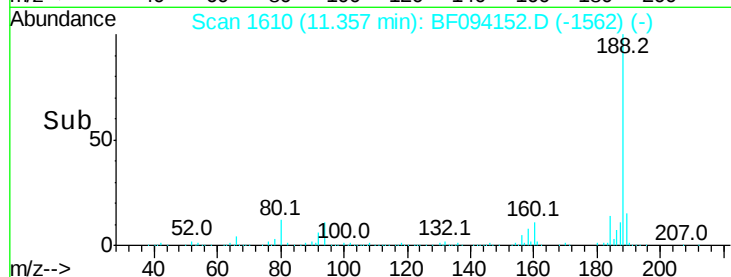
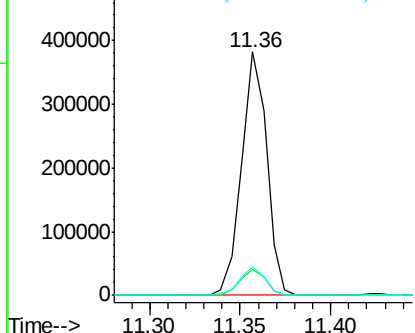
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.02 min
Lab File: BF094152.D
Acq: 4 Apr 2017 7:05

Instrument :
BNA_F
ClientSampleId :
E2-O11-BASE

Tot Ion:188 Resp: 370412
Ion Ratio Lower Upper
188 100
94 10.7 9.4 14.2
80 11.7 10.2 15.2

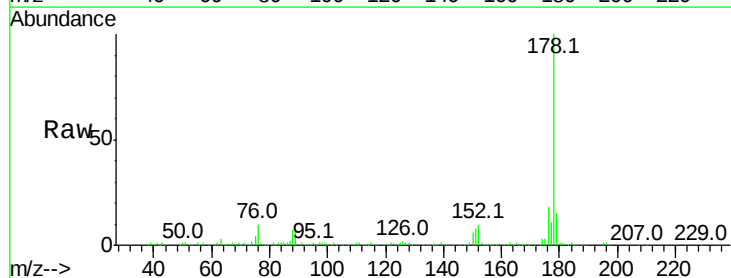


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

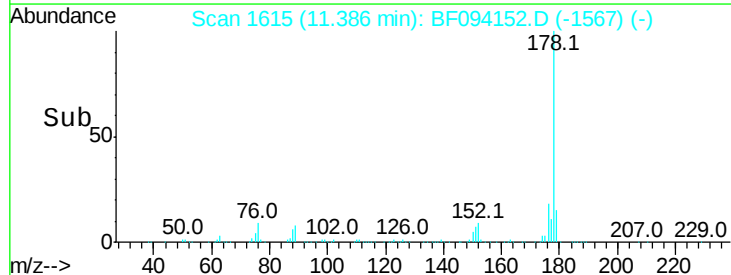
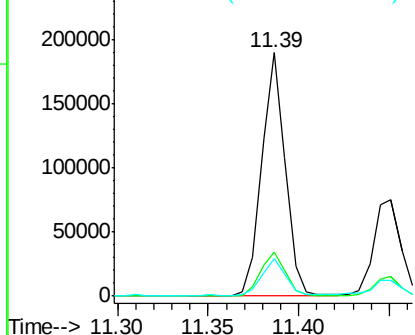


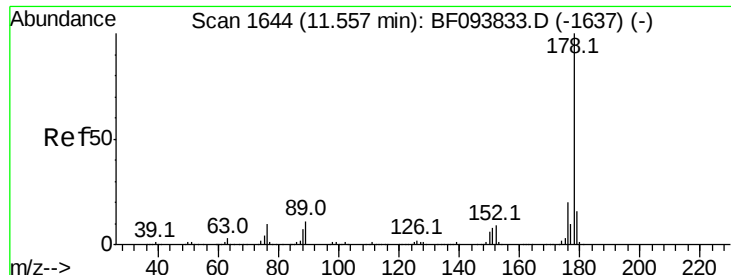
#70
Phenanthrene
Concen: 8.31 ng
RT: 11.39 min Scan# 1615
Delta R.T. -0.02 min
Lab File: BF094152.D
Acq: 4 Apr 2017 7:05

Tgt Ion:178 Resp: 171152
Ion Ratio Lower Upper
178 100
176 18.3 16.2 24.4
179 15.3 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

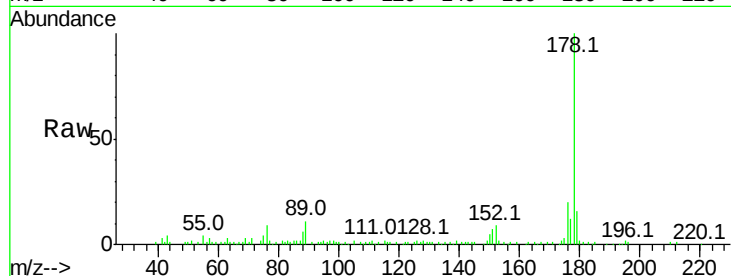




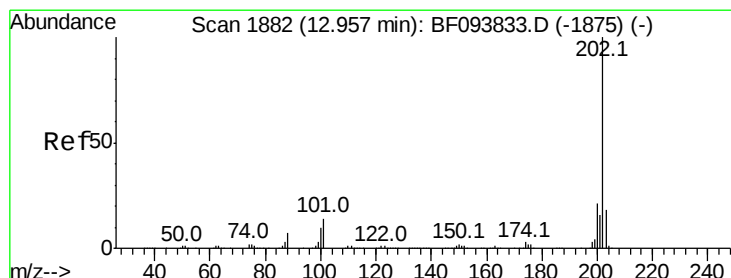
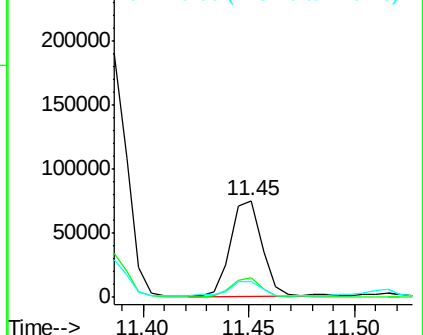
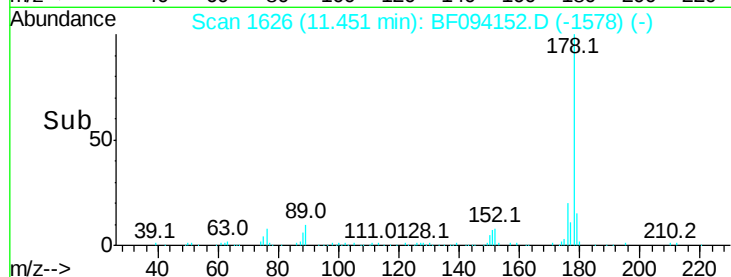
#71
 Anthracene
 Concen: 3.66 ng
 RT: 11.45 min Scan# 1626
 Delta R.T. -0.02 min
 Lab File: BF094152.D
 Acq: 4 Apr 2017 7:05

Instrument :
 BNA_F
 ClientSampleId :
 E2-O11-BASE

Tot Ion:178 Resp: 77659
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.8 23.8
 179 15.8 12.7 19.1

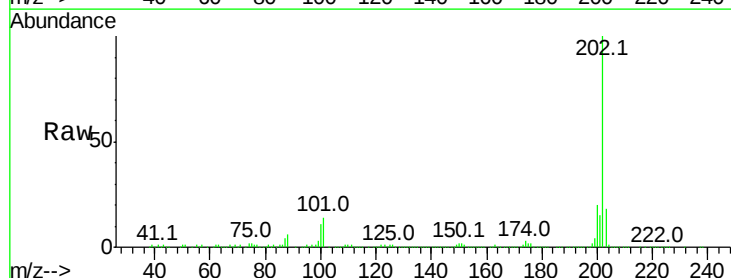


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

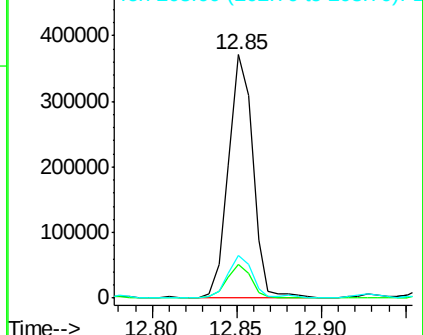
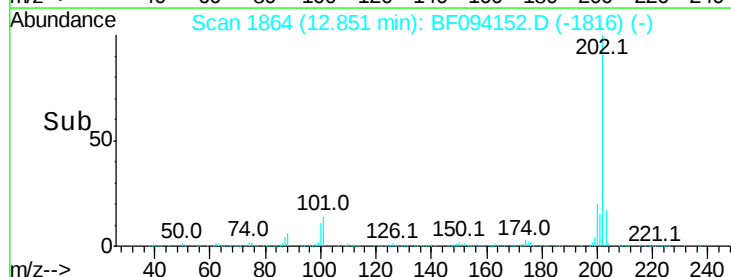


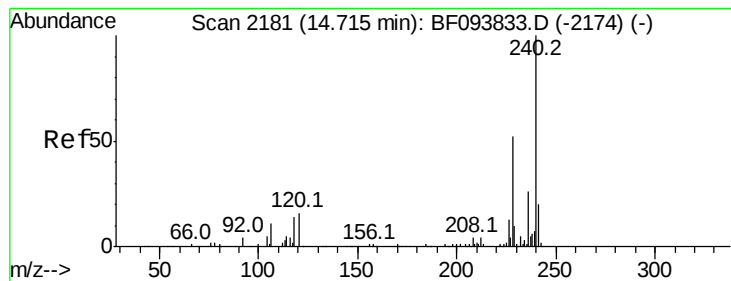
#74
 Fluoranthene
 Concen: 17.60 ng
 RT: 12.85 min Scan# 1864
 Delta R.T. -0.02 min
 Lab File: BF094152.D
 Acq: 4 Apr 2017 7:05

Tgt Ion:202 Resp: 371418
 Ion Ratio Lower Upper
 202 100
 101 14.0 0.0 33.2
 203 17.5 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: 14.62 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF094152.D

Acq: 4 Apr 2017 7:05

Instrument :

BNA_F

ClientSampleId :

E2-O11-BASE

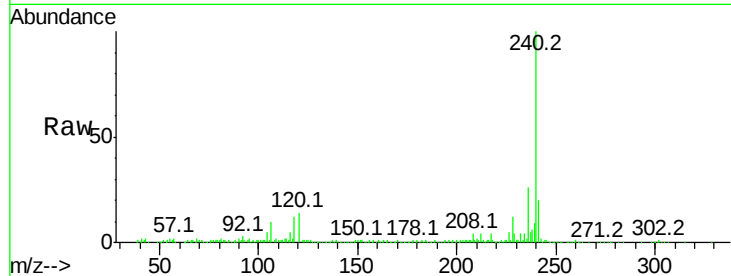
Tot Ion:240 Resp: 317324

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

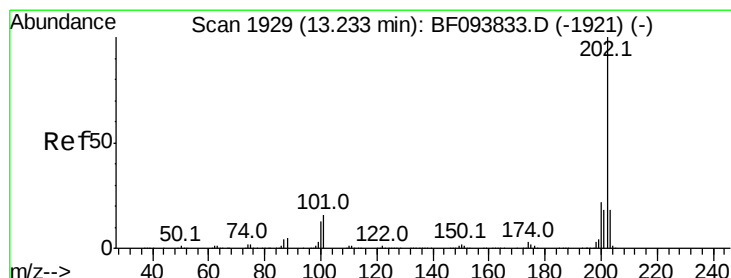
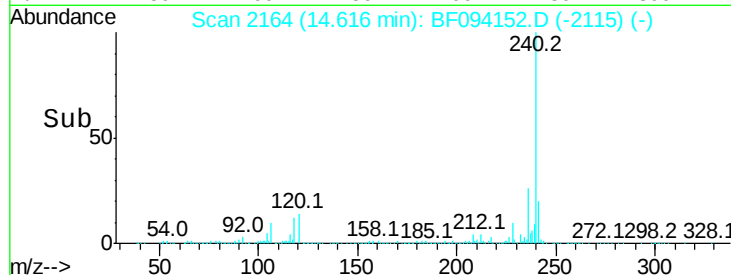
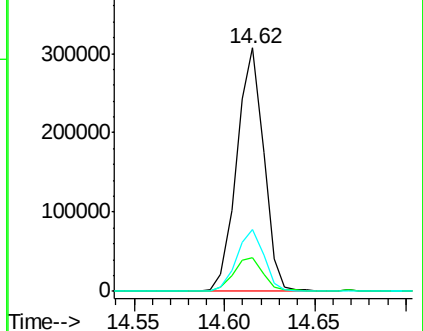
236 25.6 20.5 30.7



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: 18.57 ng

RT: 13.13 min Scan# 1911

Delta R.T. -0.02 min

Lab File: BF094152.D

Acq: 4 Apr 2017 7:05

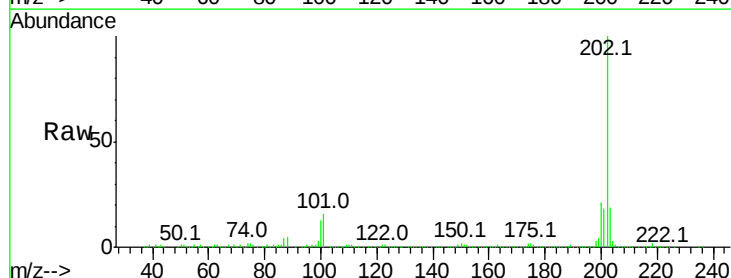
Tgt Ion:202 Resp: 427597

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

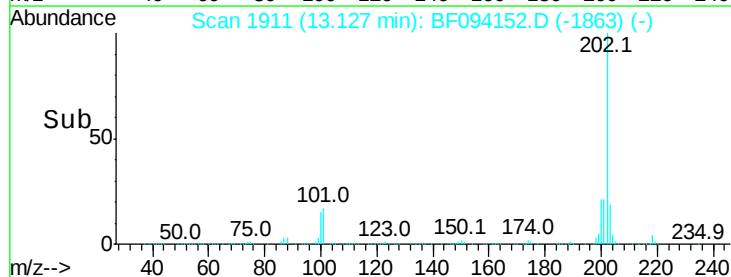
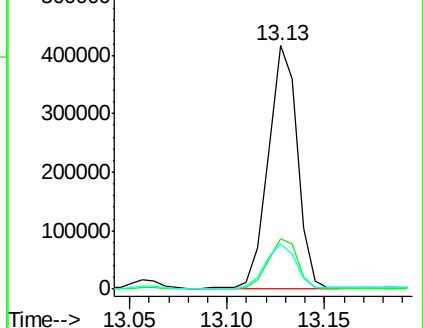
203 18.6 14.4 21.6

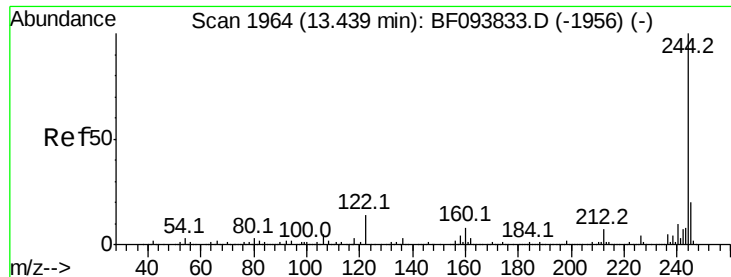


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

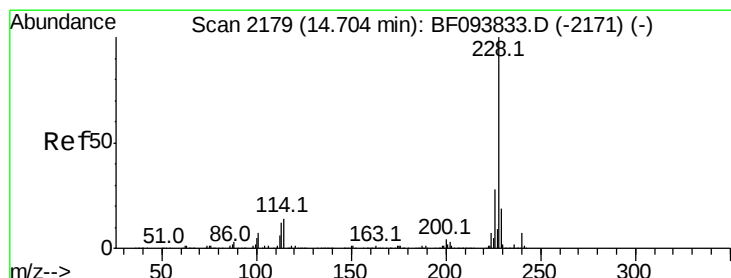
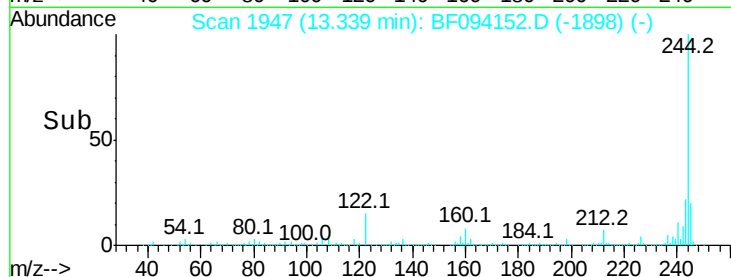
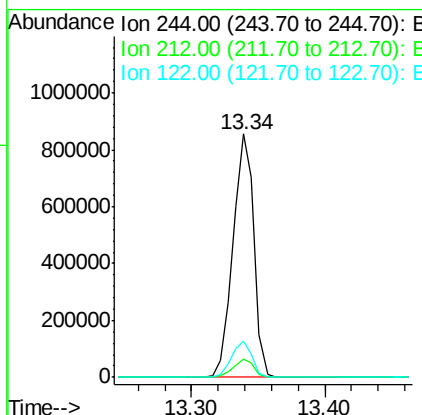
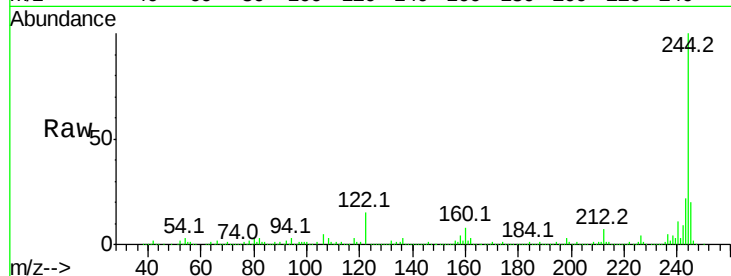




#78
 Terphenyl-d14
 Concen: 66.29 ng
 RT: 13.34 min Scan# 1947
 Delta R.T. -0.01 min
 Lab File: BF094152.D
 Acq: 4 Apr 2017 7:05

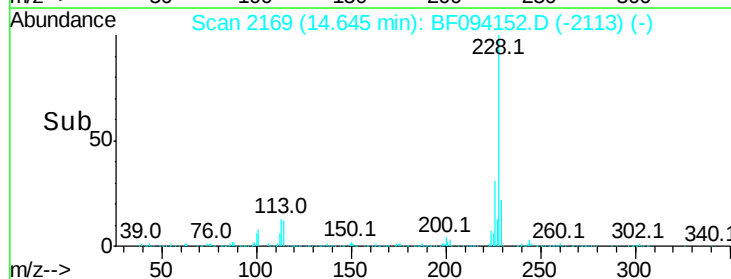
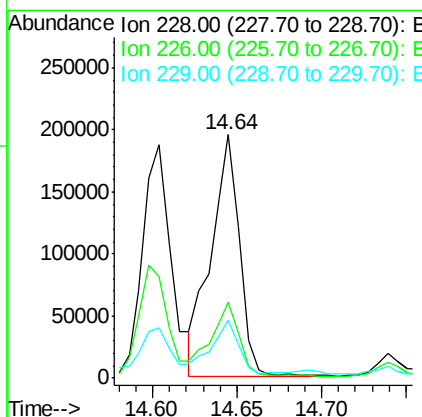
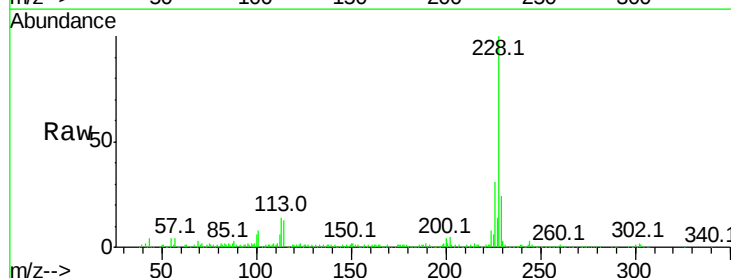
Instrument :
 BNA_F
 ClientSampleId :
 E2-O11-BASE

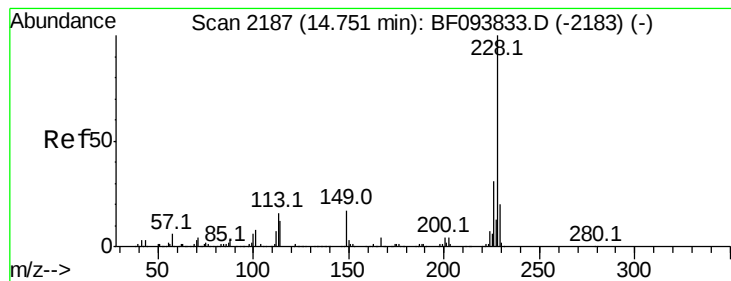
Tot Ion:244 Resp: 938410
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 14.7 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 12.36 ng
 RT: 14.64 min Scan# 2169
 Delta R.T. 0.03 min
 Lab File: BF094152.D
 Acq: 4 Apr 2017 7:05

Tgt Ion:228 Resp: 228764
 Ion Ratio Lower Upper
 228 100
 226 31.3 22.6 33.8
 229 23.6 16.3 24.5





#82

Chrysene

Concen: 13.32 ng

RT: 14.64 min Scan# 2169

Delta R.T. -0.02 min

Lab File: BF094152.D

Acq: 4 Apr 2017 7:05

Instrument :

BNA_F

ClientSampleId :

E2-O11-BASE

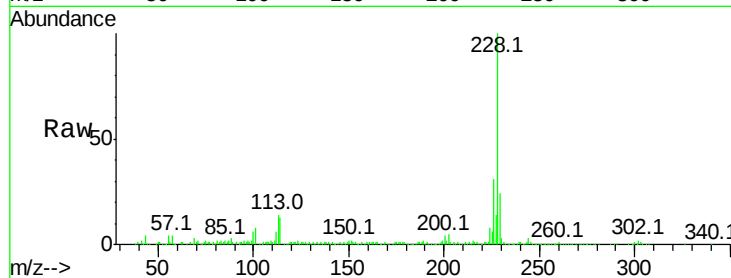
Tot Ion:228 Resp: 228764

Ion Ratio Lower Upper

228 100

226 31.3 24.9 37.3

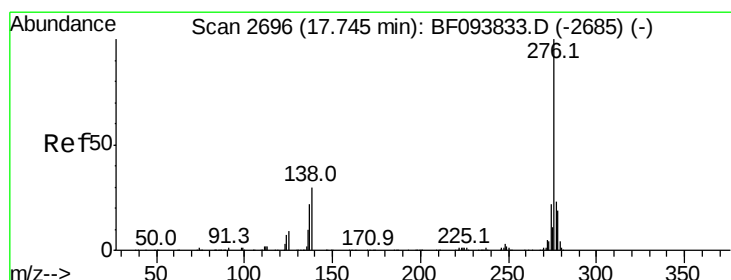
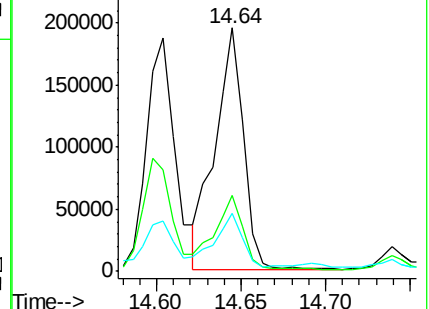
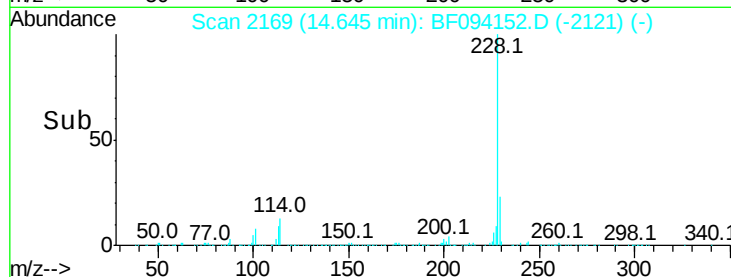
229 23.6 15.8 23.6



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: 8.43 ng

RT: 17.59 min Scan# 2670

Delta R.T. -0.02 min

Lab File: BF094152.D

Acq: 4 Apr 2017 7:05

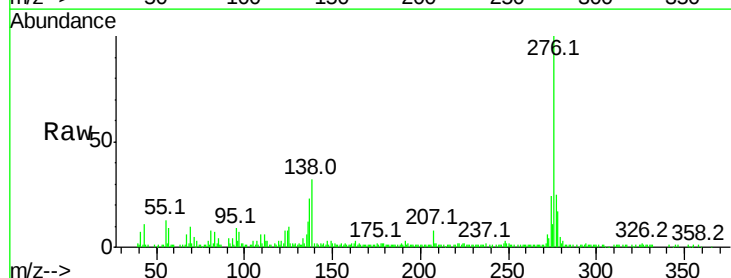
Tgt Ion:276 Resp: 125305

Ion Ratio Lower Upper

276 100

138 30.5 27.8 41.6

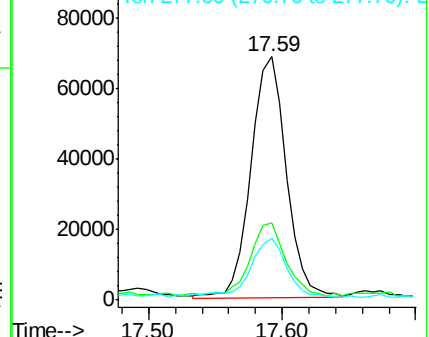
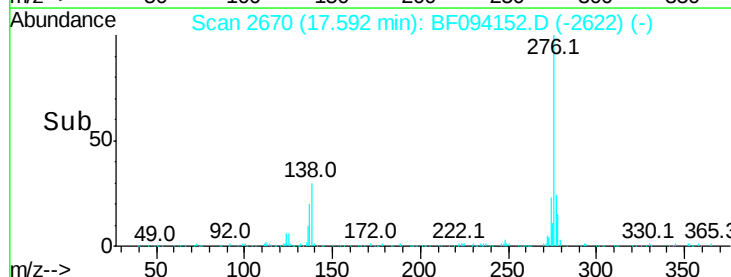
277 24.4 20.2 30.4

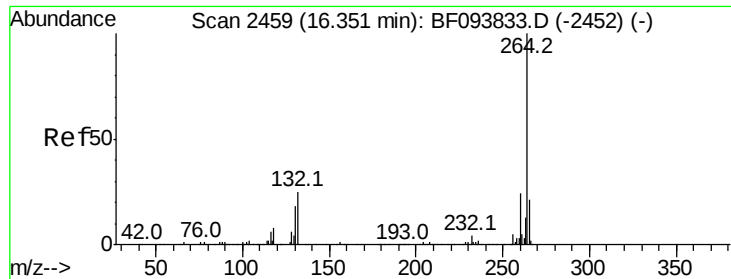


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



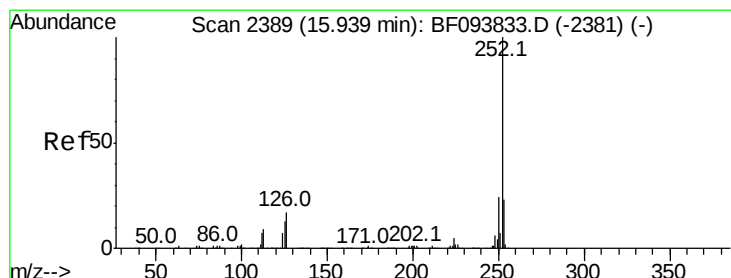
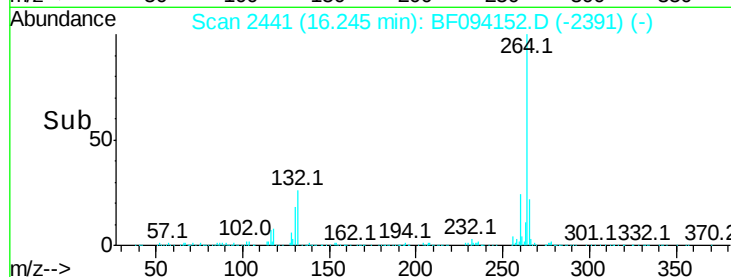
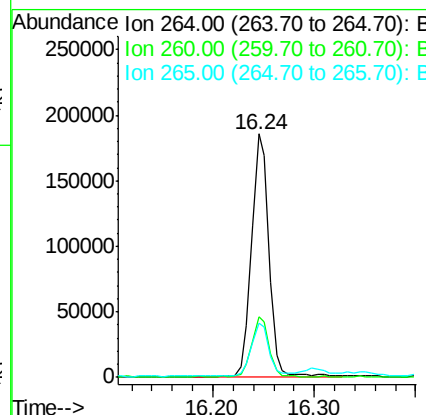
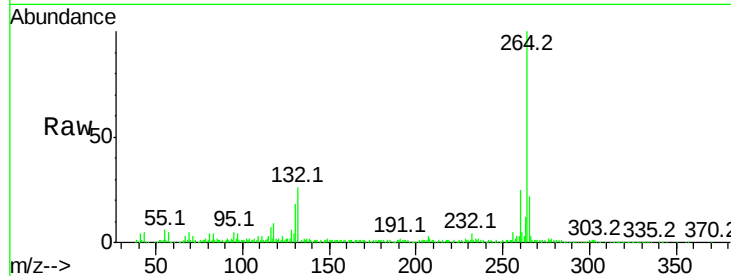


#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.24 min Scan# 2441
Delta R.T. -0.01 min
Lab File: BF094152.D
Acq: 4 Apr 2017 7:05

Instrument :
BNA_F
ClientSampleId :
E2-O11-BASE

Tot Ion:264 Resp: 224191

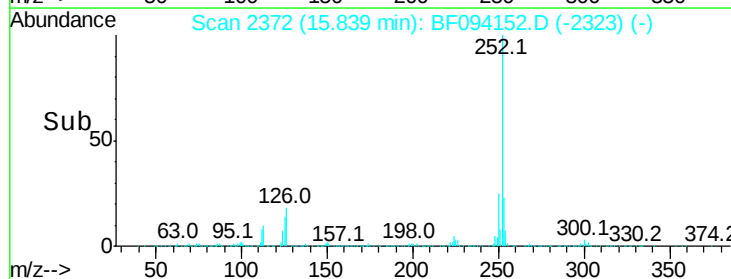
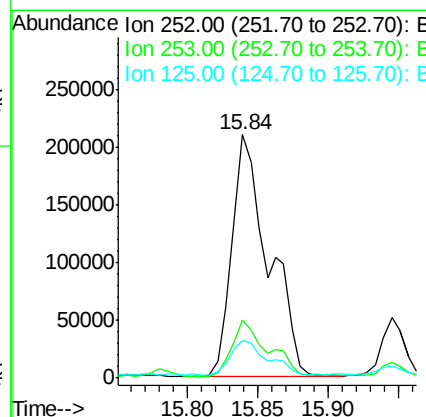
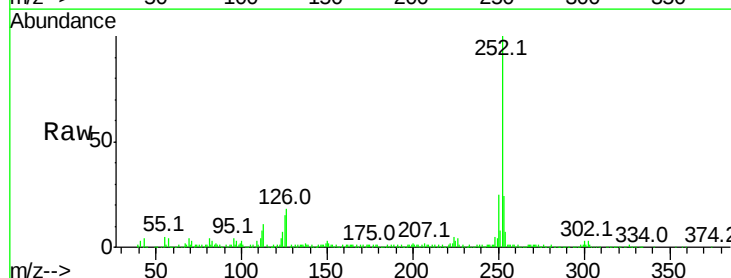
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	22.1	17.2	25.8

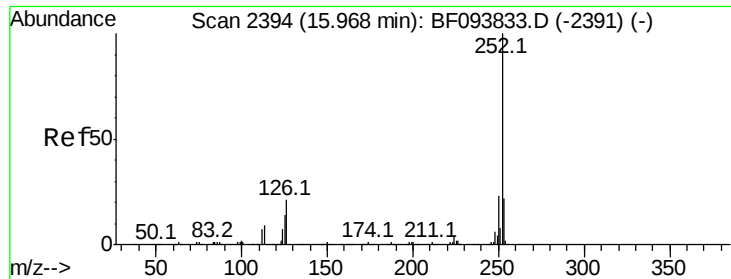


#87
Benzo(b)fluoranthene
Concen: 27.94 ng
RT: 15.84 min Scan# 2372
Delta R.T. -0.01 min
Lab File: BF094152.D
Acq: 4 Apr 2017 7:05

Tgt Ion:252 Resp: 383933

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.1	27.1
125	15.2	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 28.55 ng

RT: 15.84 min Scan# 2372

Delta R.T. -0.04 min

Lab File: BF094152.D

Acq: 4 Apr 2017 7:05

Instrument :

BNA_F

ClientSampleId :

E2-O11-BASE

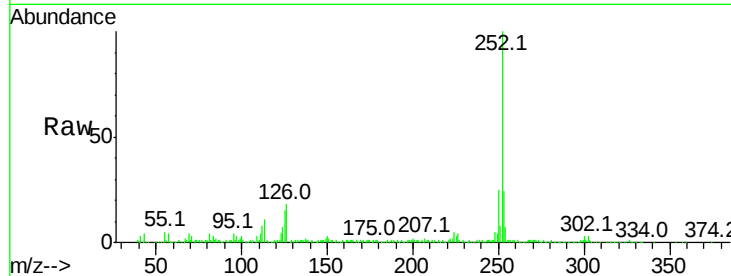
Tot Ion:252 Resp: 383933

Ion Ratio Lower Upper

252 100

253 23.8 18.4 27.6

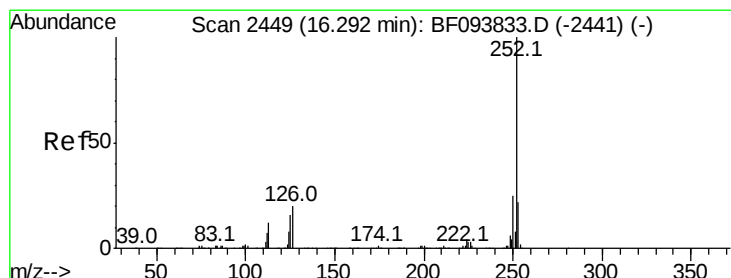
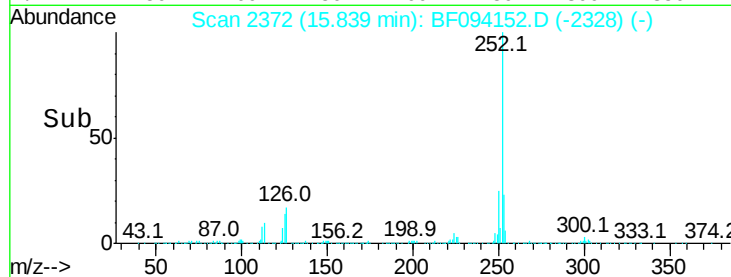
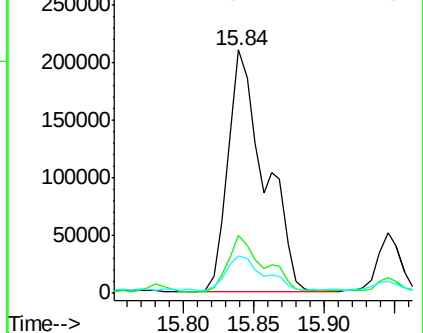
125 15.2 13.1 19.7



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



#89

Benzo(a)pyrene

Concen: 15.06 ng

RT: 16.19 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BF094152.D

Acq: 4 Apr 2017 7:05

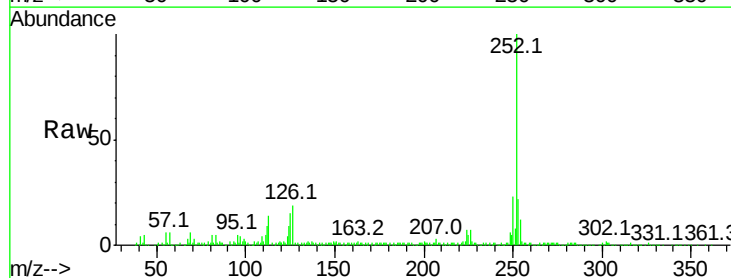
Tgt Ion:252 Resp: 190564

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

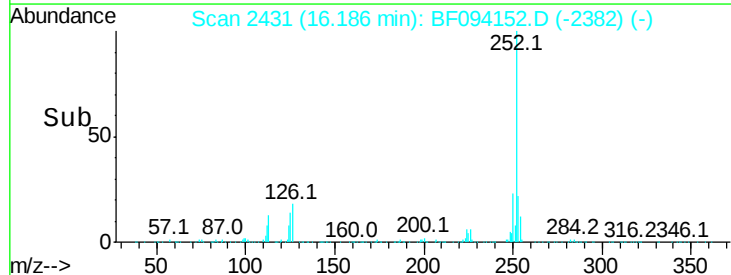
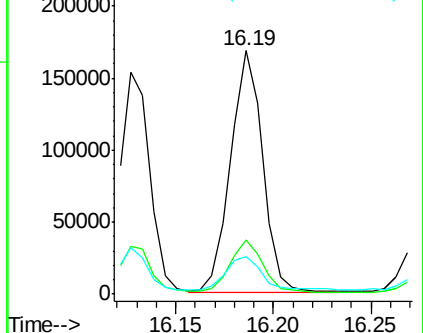
125 15.3 11.0 16.4

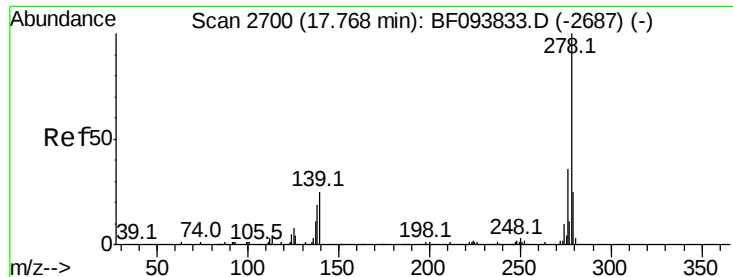


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

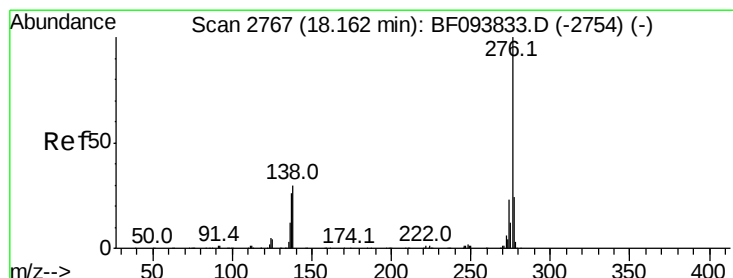
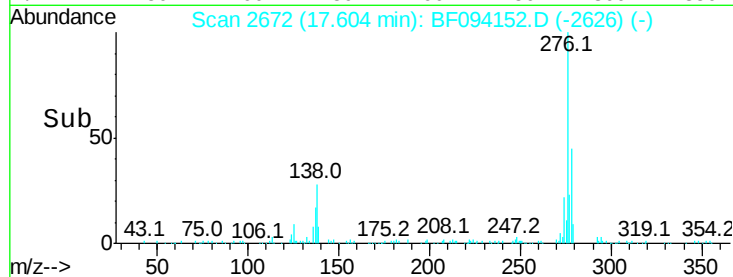
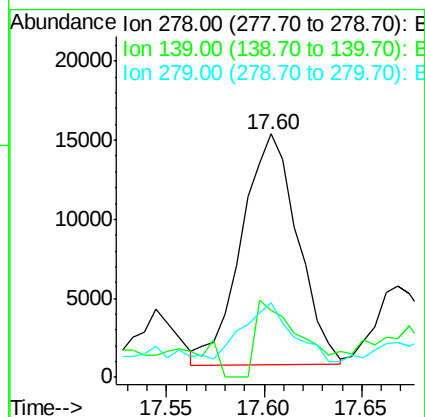
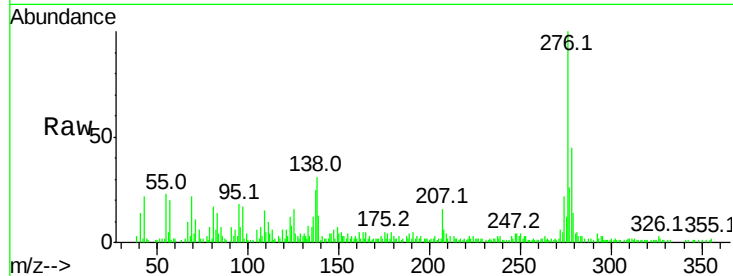




#90
 Dibenzo(a,h)anthracene
 Concen: 2.72 ng
 RT: 17.60 min Scan# 2672
 Delta R.T. -0.03 min
 Lab File: BF094152.D
 Acq: 4 Apr 2017 7:05

Instrument :
 BNA_F
 ClientSampleId :
 E2-O11-BASE

Tot Ion:278 Resp: 29157
 Ion Ratio Lower Upper
 278 100
 139 27.8 16.6 24.8#
 279 30.8 19.3 28.9#



#91
 Benzo(g,h,i)perylene
 Concen: 13.54 ng
 RT: 17.99 min Scan# 2737
 Delta R.T. -0.02 min
 Lab File: BF094152.D
 Acq: 4 Apr 2017 7:05

Tgt Ion:276 Resp: 146228
 Ion Ratio Lower Upper
 276 100
 277 22.7 18.6 28.0
 138 30.2 25.4 38.0

