

Data Path : Z:\HPCHEM1\BNA F\Data\BF040617\
 Data File : BF094222.D
 Acq On : 6 Apr 2017 12:25
 Operator : SJ/MA
 Sample : I2511-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-SE

Quant Time: Apr 06 13:07:34 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	5.851	152	171603	20.00	ng	-0.05
21) Naphthalene-d8	7.351	136	702361	20.00	ng	-0.06
38) Acenaphthene-d10	9.492	164	330122	20.00	ng	-0.06
63) Phenanthrene-d10	11.316	188	591239	20.00	ng	-0.06
75) Chrysene-d12	14.562	240	454715	20.00	ng	-0.06
86) Perylene-d12	16.186	264	301787	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.381	112	202223	19.90	ng	-0.05
7) Phenol-d6	5.451	99	913346	72.67	ng	-0.06
23) Nitrobenzene-d5	6.498	82	912701	74.16	ng	-0.06
41) 2,4,6-Tribromophenol	10.463	330	10460	4.01	ng	-0.06
44) 2-Fluorobiphenyl	8.680	172	1642402	75.88	ng	-0.05
78) Terphenyl-d14	13.298	244	1393725	68.70	ng	-0.05

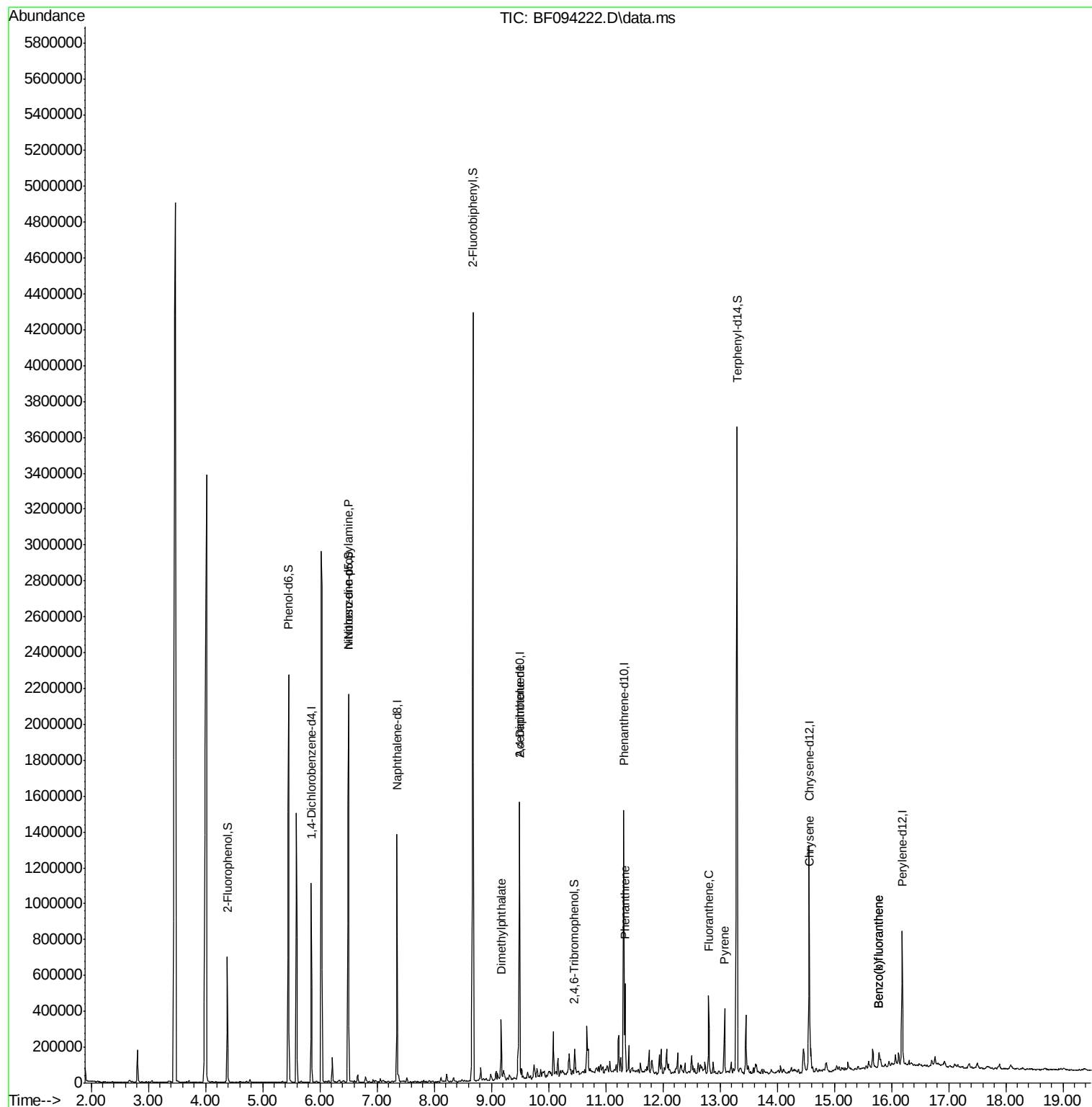
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propyla...	6.498	70	120926	14.97	ng	# 79
49) Dimethylphthalate	9.174	163	156043	6.65	ng	# 98
56) 2,4-Dinitrotoluene	9.492	165	42684	6.32	ng	# 33
70) Phenanthrene	11.345	178	208742	6.35	ng	98
74) Fluoranthene	12.804	202	181470	5.39	ng	99
77) Pyrene	13.080	202	156149	4.73	ng	97
82) Chrysene	14.551	228	52708	2.14	ng	98
87) Benzo(b)fluoranthene	15.786	252	58912	3.18	ng	96
88) Benzo(k)fluoranthene	15.786	252	58912	3.25	ng	94

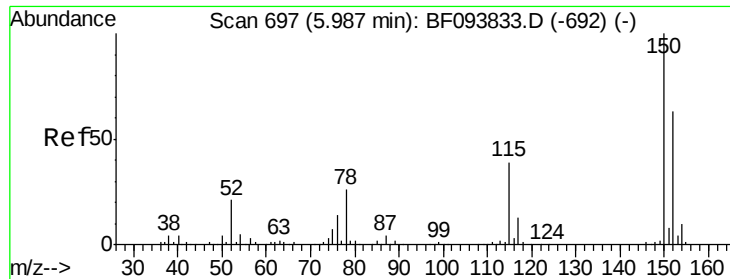
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.851 min Scan# 67

Delta R.T. -0.053 min

Lab File: BF094222.D

Acq: 6 Apr 2017 12:25

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-SE

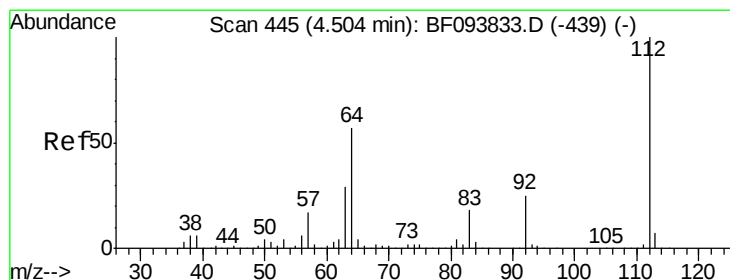
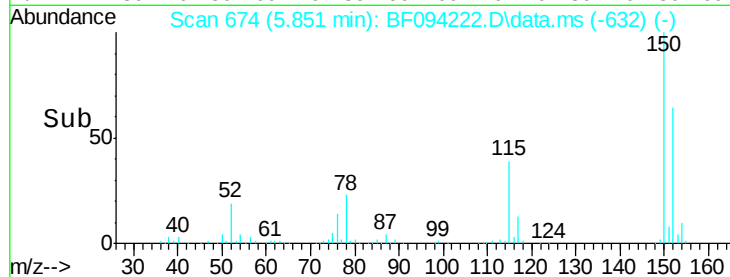
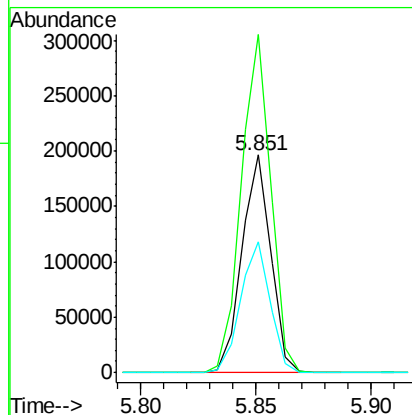
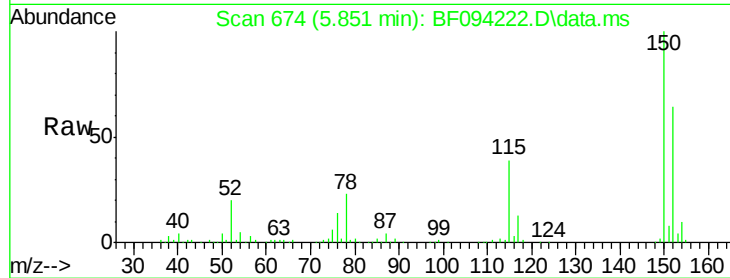
Tot Ion:152 Resp: 171603

Ion Ratio Lower Upper

152 100

150 155.6 126.2 189.2

115 60.3 52.2 78.2



#5

2-Fluorophenol

Concen: 19.90 ng

RT: 4.381 min Scan# 424

Delta R.T. -0.053 min

Lab File: BF094222.D

Acq: 6 Apr 2017 12:25

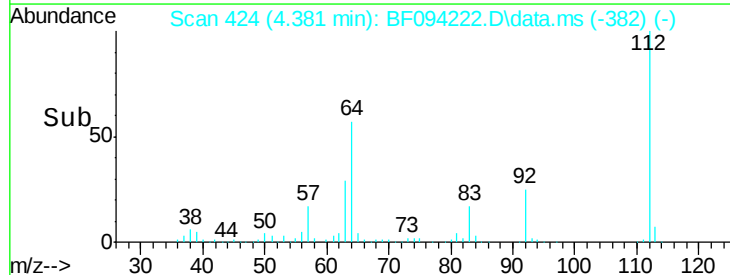
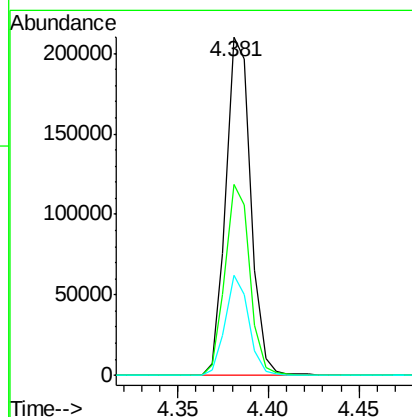
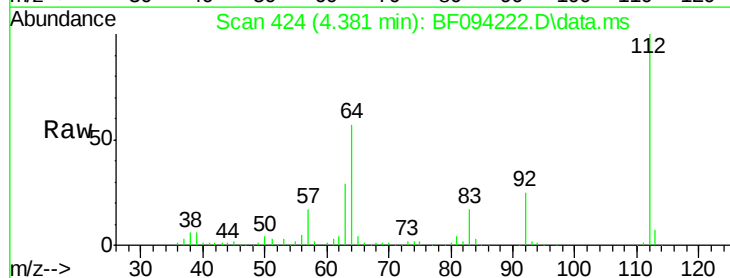
Tgt Ion:112 Resp: 202223

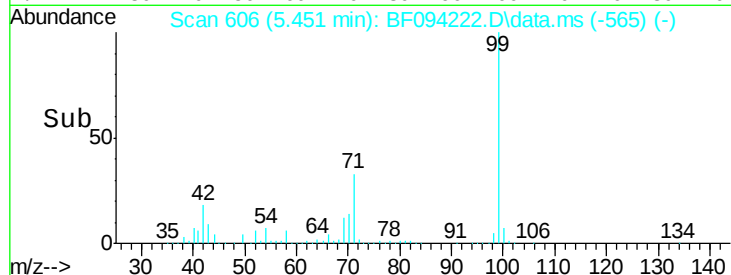
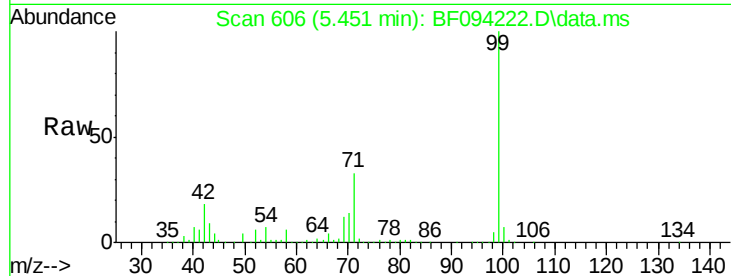
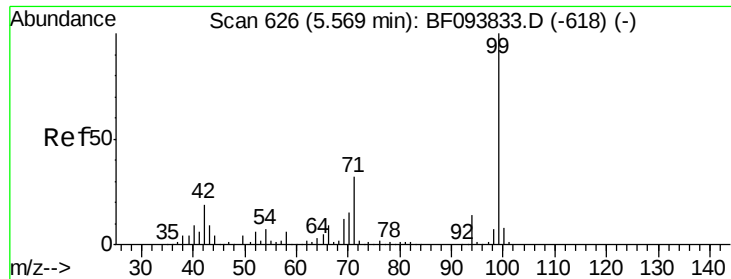
Ion Ratio Lower Upper

112 100

64 56.5 46.0 69.0

63 29.5 23.4 35.0





#7

Phenol-d6

Concen: 72.67 ng

RT: 5.451 min Scan# 60

Delta R.T. -0.059 min

Lab File: BF094222.D

Acq: 6 Apr 2017 12:25

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-SE

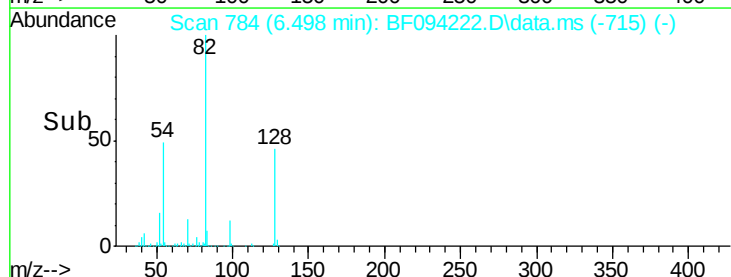
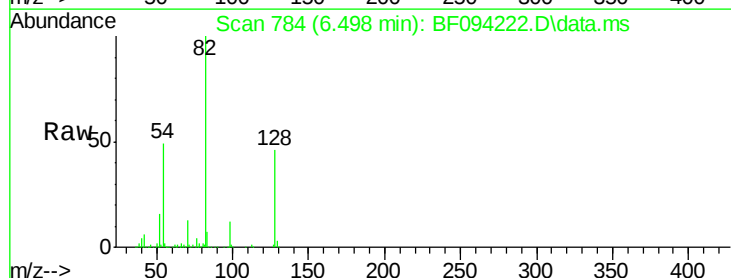
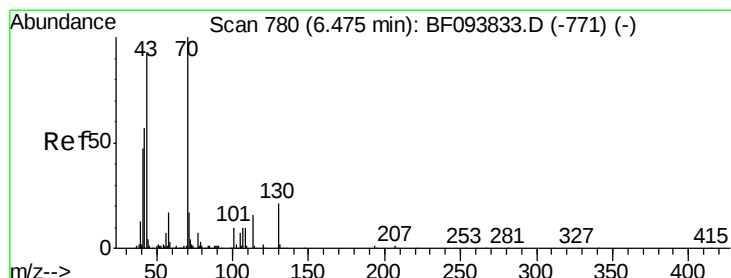
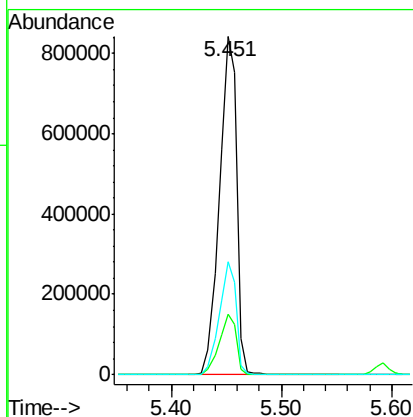
Tot Ion: 99 Resp: 913346

Ion Ratio Lower Upper

99 100

42 18.0 13.5 20.3

71 33.4 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 14.97 ng

RT: 6.498 min Scan# 784

Delta R.T. 0.106 min

Lab File: BF094222.D

Acq: 6 Apr 2017 12:25

Tgt Ion: 70 Resp: 120926

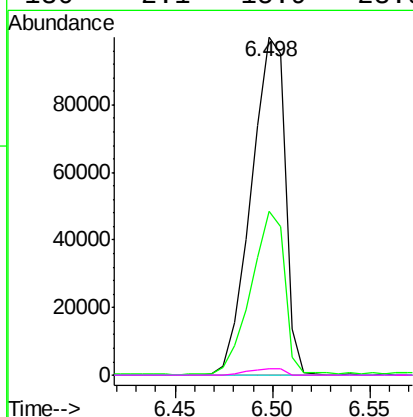
Ion Ratio Lower Upper

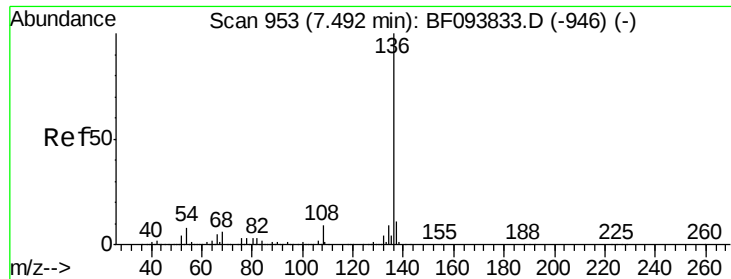
70 100

42 48.5 47.2 70.8

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.351 min Scan# 92

Delta R.T. -0.059 min

Lab File: BF094222.D

Acq: 6 Apr 2017 12:25

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-SE

Tot Ion:136 Resp: 702361

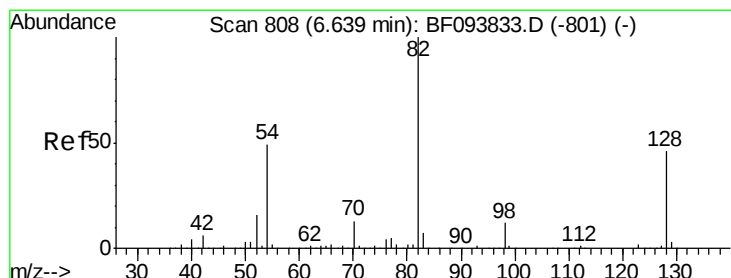
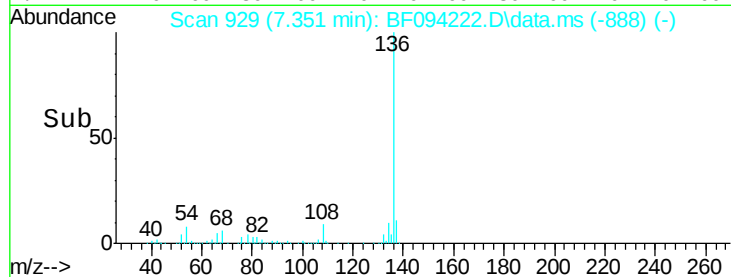
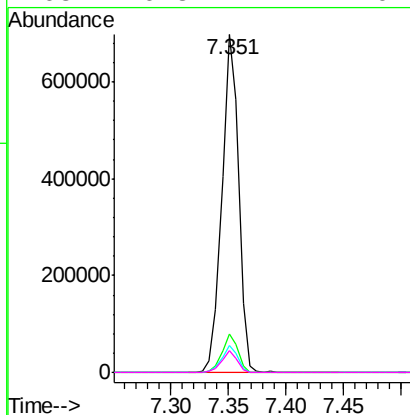
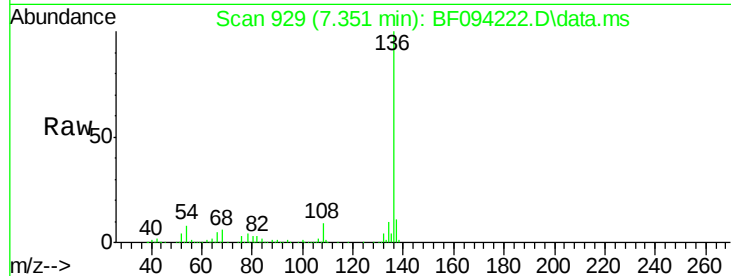
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 8.1 4.9 7.3#

68 6.3 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 74.16 ng

RT: 6.498 min Scan# 784

Delta R.T. -0.059 min

Lab File: BF094222.D

Acq: 6 Apr 2017 12:25

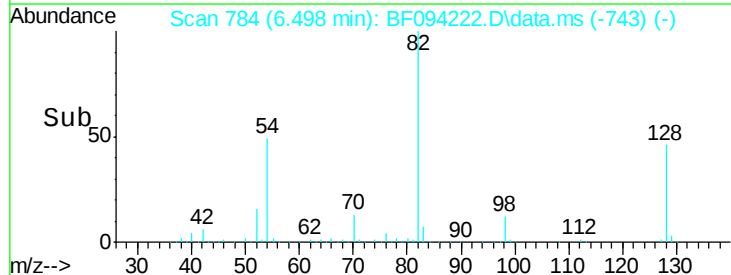
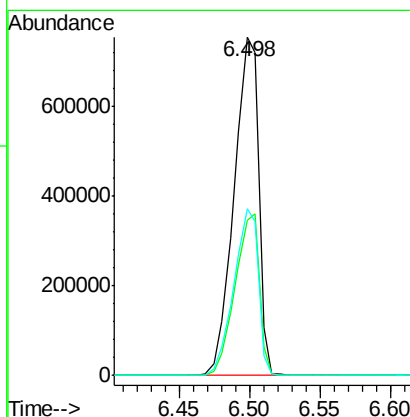
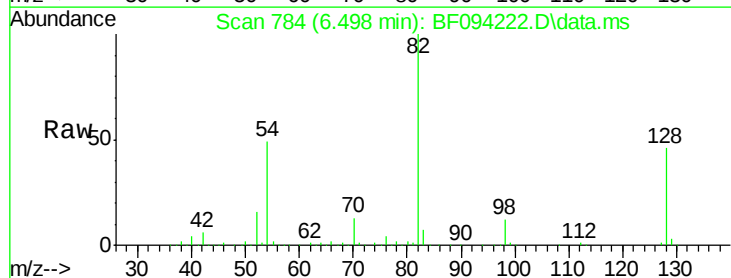
Tgt Ion: 82 Resp: 912701

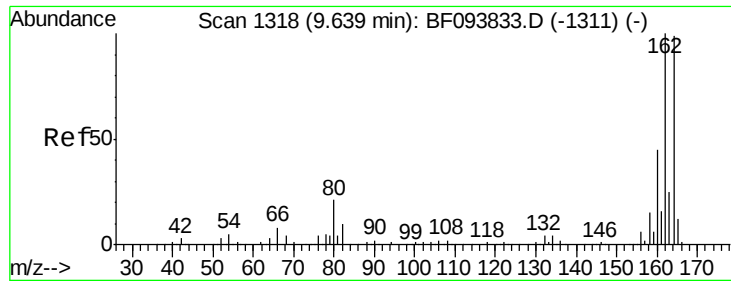
Ion Ratio Lower Upper

82 100

128 45.8 34.0 51.0

54 49.1 42.2 63.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.492 min Scan# 12

Delta R.T. -0.059 min

Lab File: BF094222.D

Acq: 6 Apr 2017 12:25

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-SE

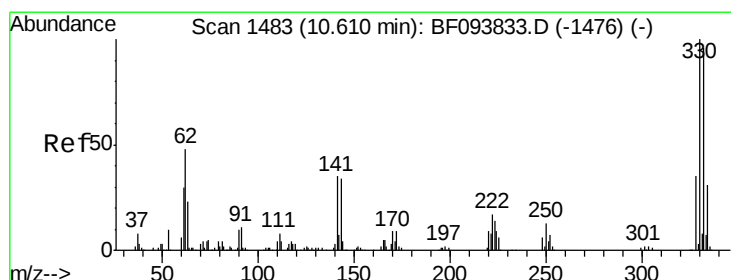
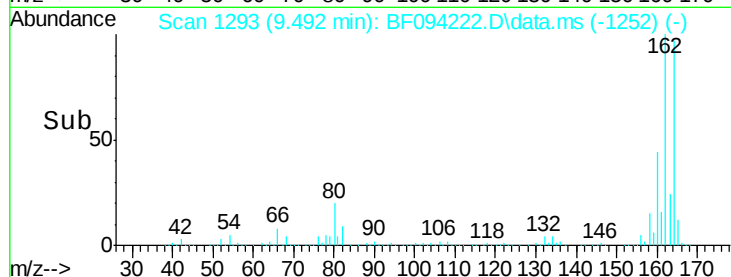
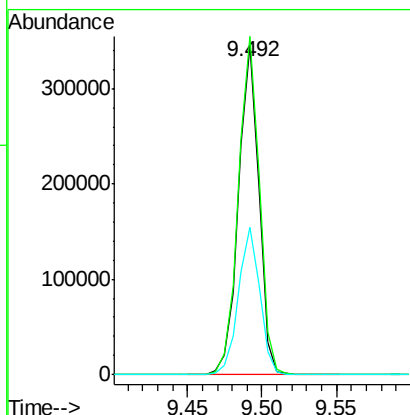
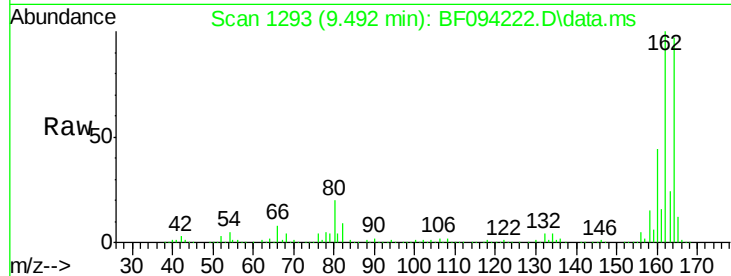
Tot Ion:164 Resp: 330122

Ion Ratio Lower Upper

164 100

162 102.8 82.6 123.8

160 44.9 36.2 54.2



#41

2,4,6-Tribromophenol

Concen: 4.01 ng

RT: 10.463 min Scan# 1458

Delta R.T. -0.059 min

Lab File: BF094222.D

Acq: 6 Apr 2017 12:25

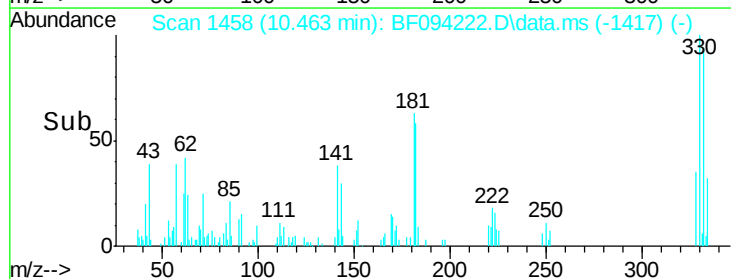
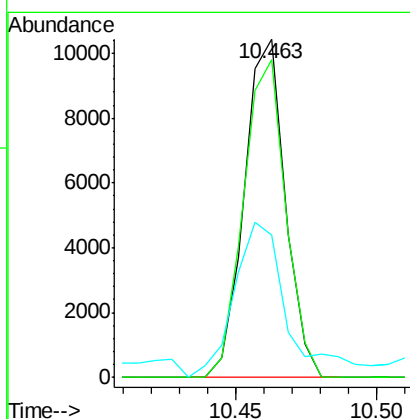
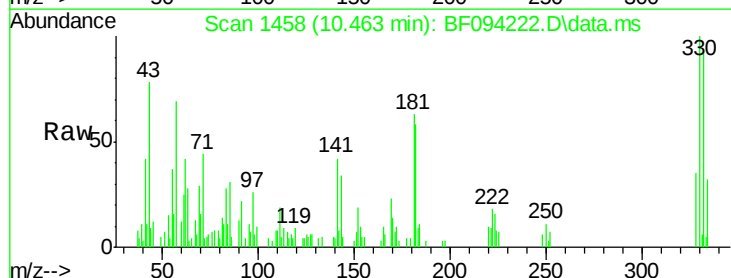
Tgt Ion:330 Resp: 10460

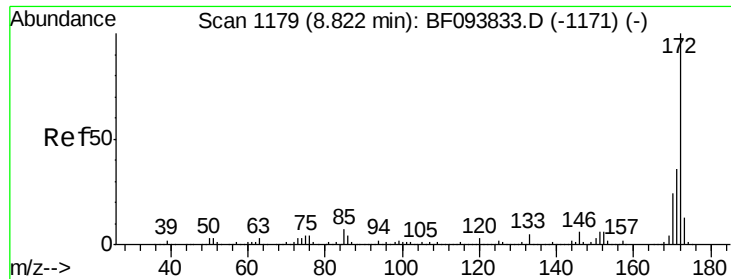
Ion Ratio Lower Upper

330 100

332 96.9 76.6 115.0

141 60.4 31.4 47.2#

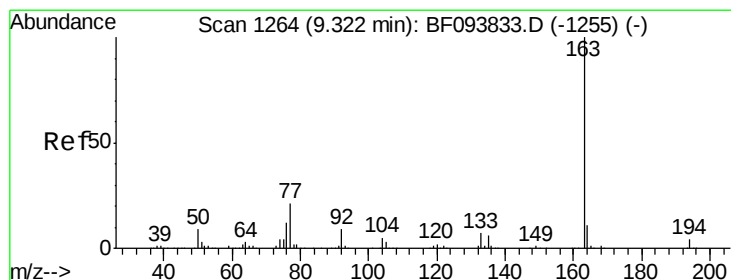
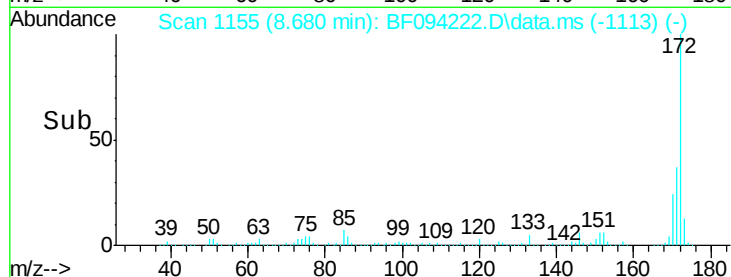
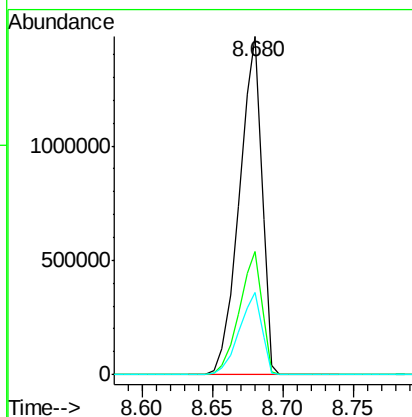
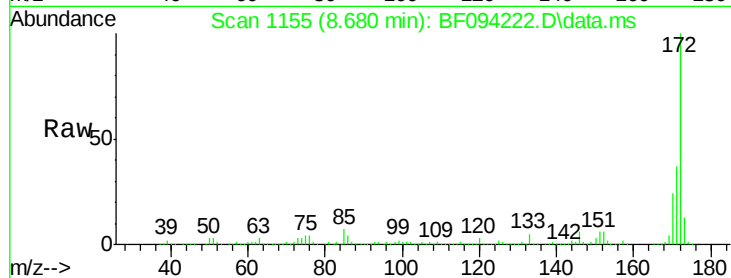




#44
2-Fluorobiphenyl
Concen: 75.88 ng
RT: 8.680 min Scan# 1179
Delta R.T. -0.053 min
Lab File: BF094222.D
Acq: 6 Apr 2017 12:25

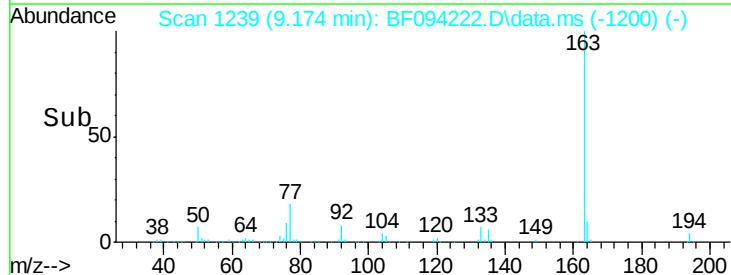
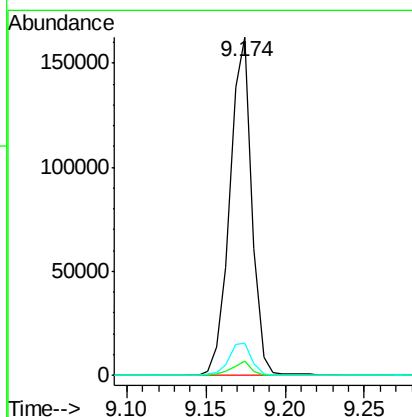
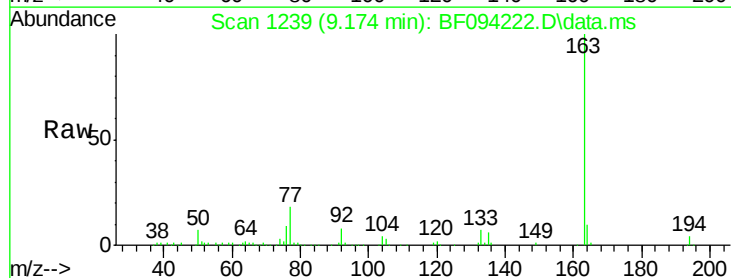
Instrument :
BNA_F
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E2-CONCRETE-SE

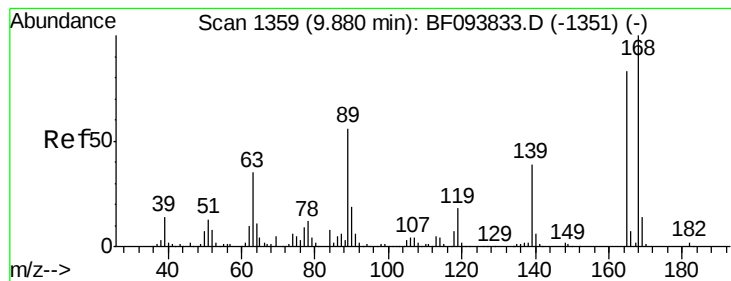
Tot Ion:172 Resp: 1642402
Ion Ratio Lower Upper
172 100
171 36.5 29.6 44.4
170 24.1 19.8 29.8



#49
Dimethylphthalate
Concen: 6.65 ng
RT: 9.174 min Scan# 1239
Delta R.T. -0.071 min
Lab File: BF094222.D
Acq: 6 Apr 2017 12:25

Tgt Ion:163 Resp: 156043
Ion Ratio Lower Upper
163 100
194 4.1 2.6 4.0#
164 9.7 8.4 12.6





#56

2,4-Dinitrotoluene

Concen: 6.32 ng

RT: 9.492 min Scan# 12

Delta R.T. -0.306 min

Lab File: BF094222.D

Acq: 6 Apr 2017 12:25

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-SE

Tot Ion:165 Resp: 42684

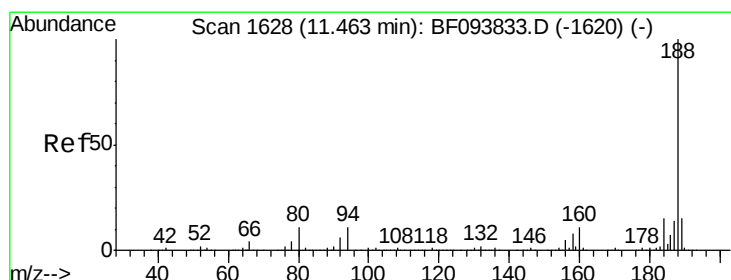
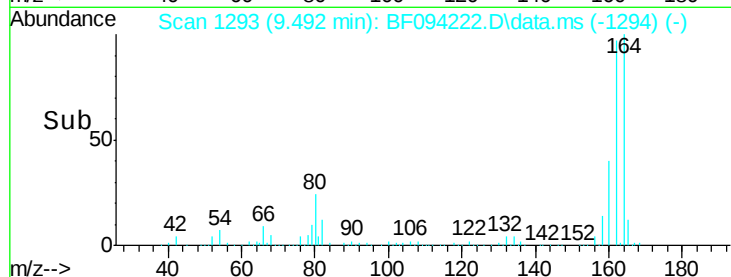
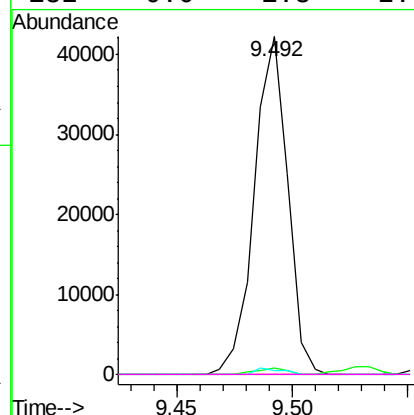
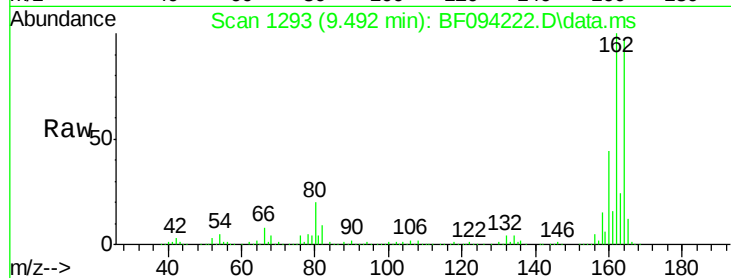
Ion Ratio Lower Upper

165 100

63 1.8 25.4 38.0#

89 1.3 46.4 69.6#

182 0.0 1.8 2.6#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.316 min Scan# 1603

Delta R.T. -0.059 min

Lab File: BF094222.D

Acq: 6 Apr 2017 12:25

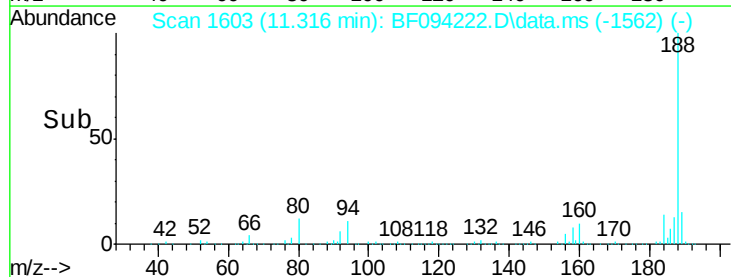
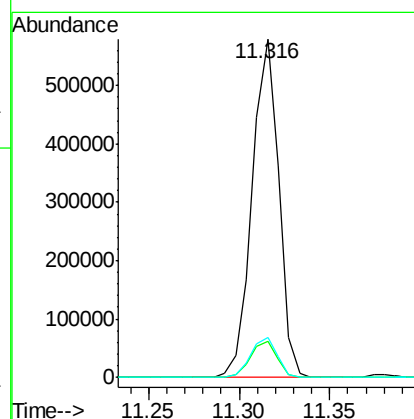
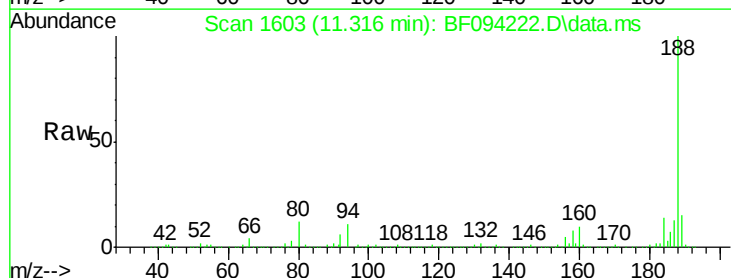
Tgt Ion:188 Resp: 591239

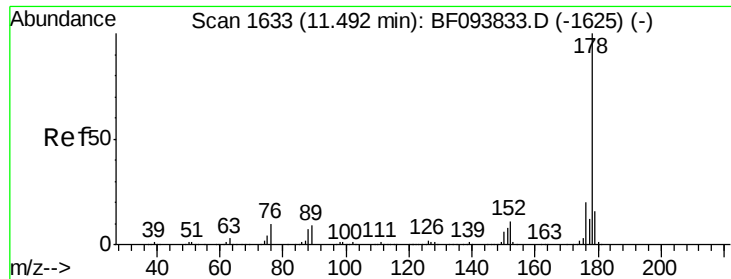
Ion Ratio Lower Upper

188 100

94 10.6 9.4 14.2

80 11.6 10.2 15.2





#70

Phenanthrene

Concen: 6.35 ng

RT: 11.345 min Scan# 16

Delta R.T. -0.059 min

Lab File: BF094222.D

Acq: 6 Apr 2017 12:25

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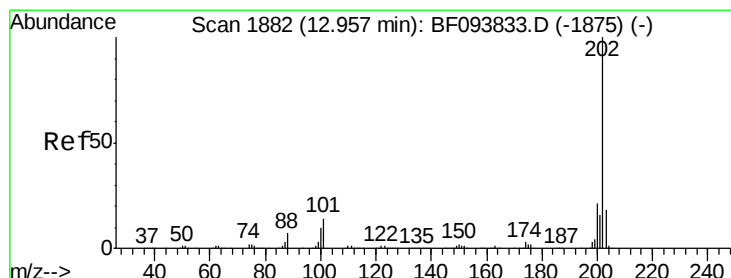
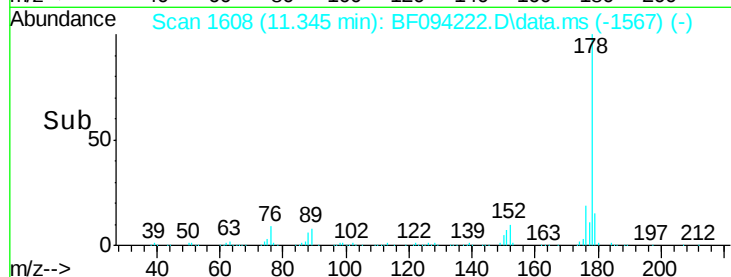
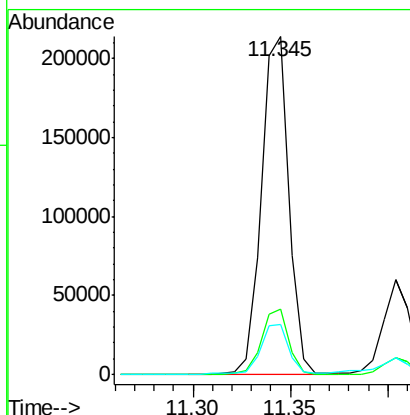
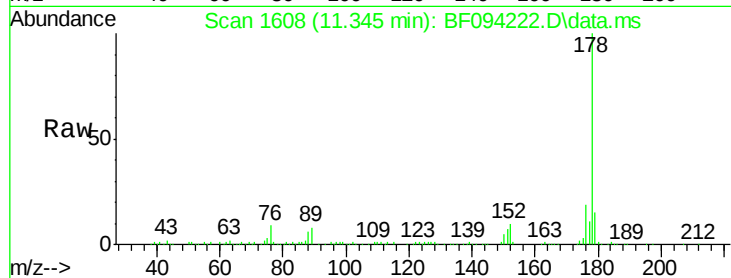
Tot Ion:178 Resp: 208742

Ion Ratio Lower Upper

178 100

176 19.3 16.2 24.4

179 14.7 12.6 19.0



#74

Fluoranthene

Concen: 5.39 ng

RT: 12.804 min Scan# 1856

Delta R.T. -0.065 min

Lab File: BF094222.D

Acq: 6 Apr 2017 12:25

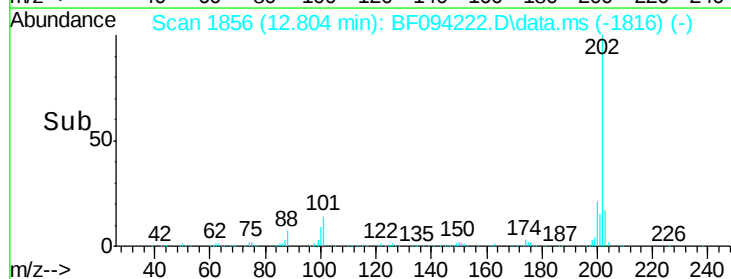
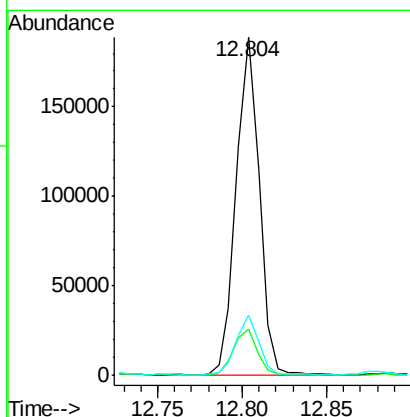
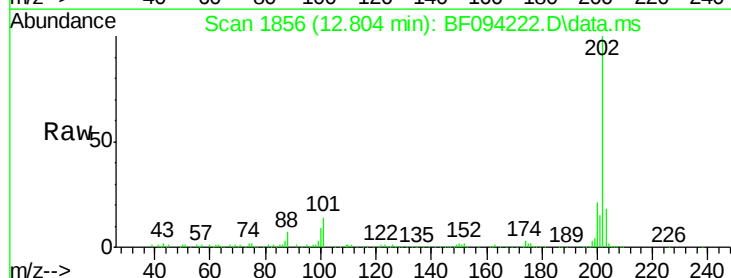
Tgt Ion:202 Resp: 181470

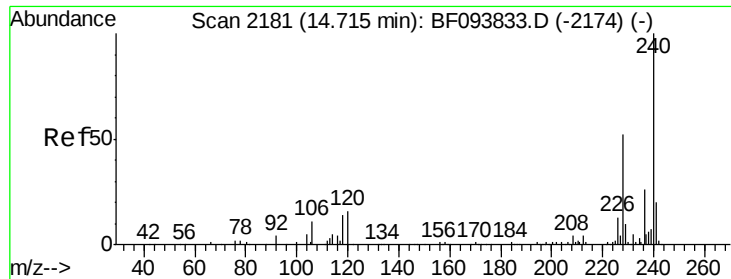
Ion Ratio Lower Upper

202 100

101 13.5 0.0 33.2

203 17.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.562 min Scan# 21

Delta R.T. -0.065 min

Lab File: BF094222.D

Acq: 6 Apr 2017 12:25

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-SE

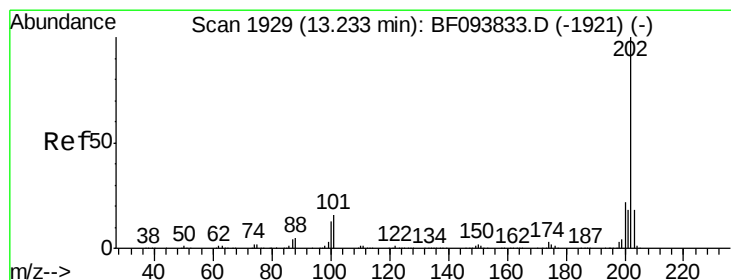
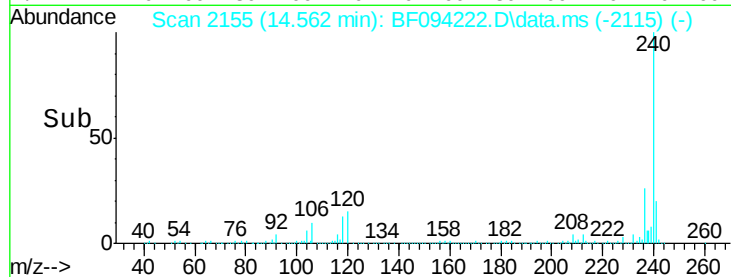
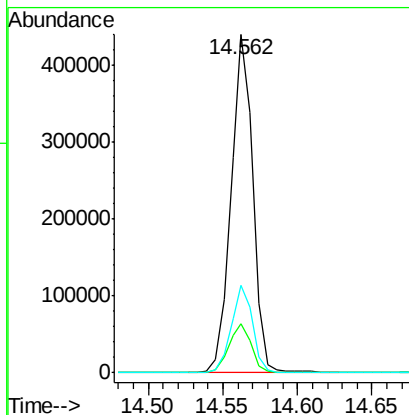
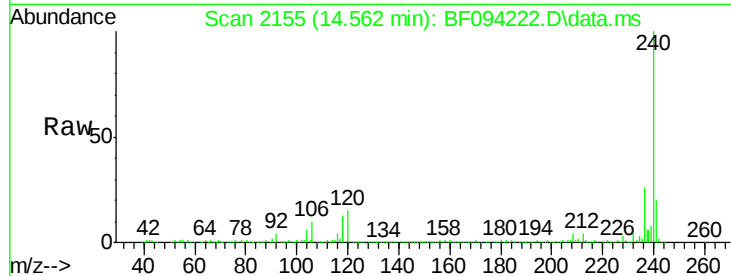
Tot Ion:240 Resp: 454715

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

236 25.7 20.5 30.7



#77

Pyrene

Concen: 4.73 ng

RT: 13.080 min Scan# 1903

Delta R.T. -0.065 min

Lab File: BF094222.D

Acq: 6 Apr 2017 12:25

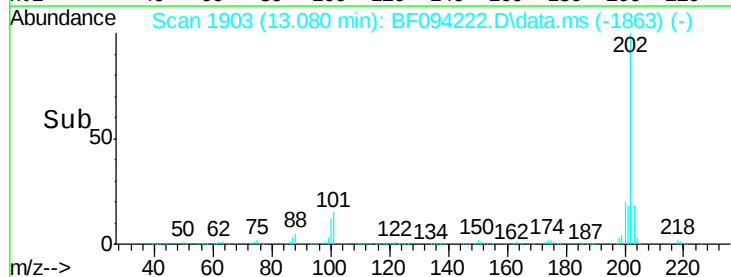
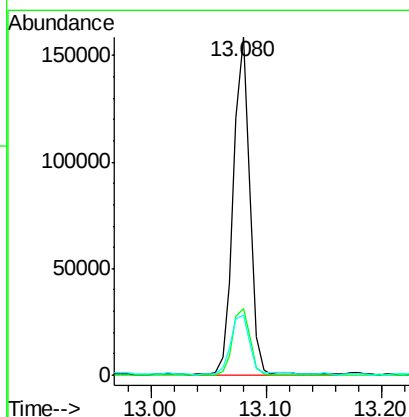
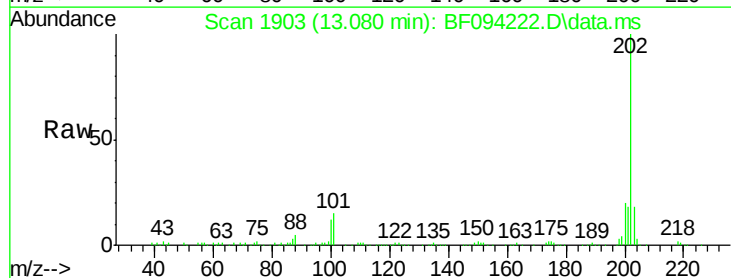
Tgt Ion:202 Resp: 156149

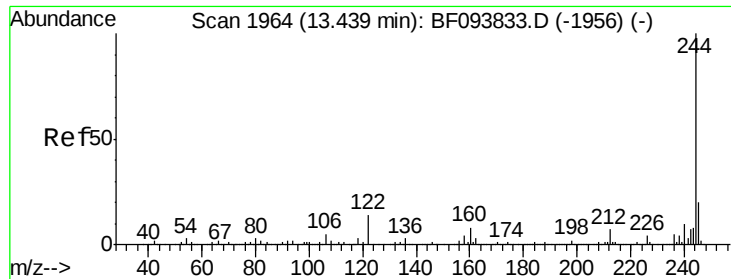
Ion Ratio Lower Upper

202 100

200 19.9 17.6 26.4

203 17.9 14.4 21.6





#78

Terphenyl-d14

Concen: 68.70 ng

RT: 13.298 min Scan# 19

Delta R.T. -0.053 min

Lab File: BF094222.D

Acq: 6 Apr 2017 12:25

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-SE

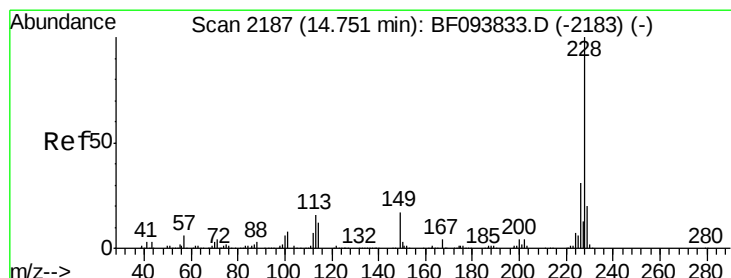
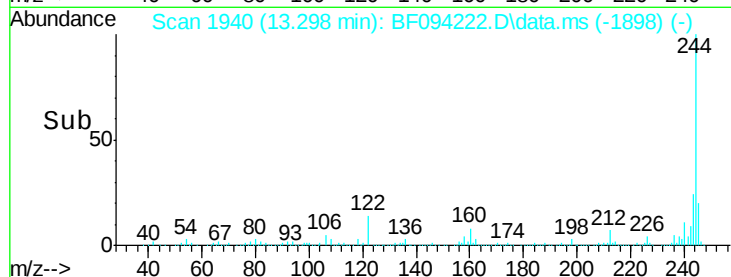
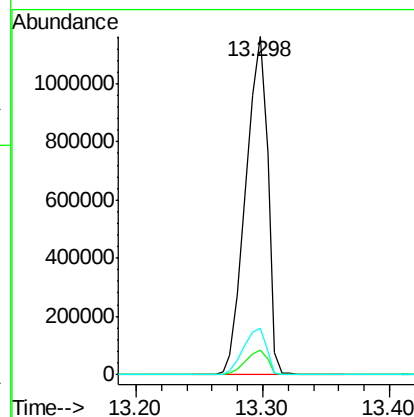
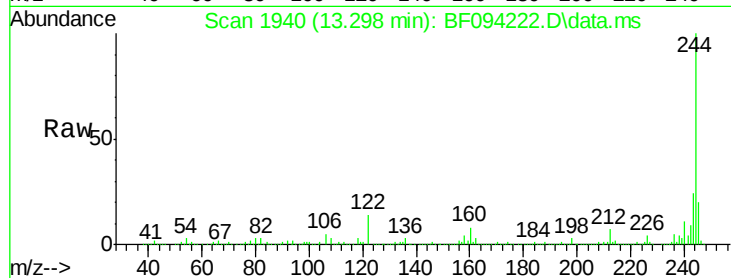
Tot Ion:244 Resp: 1393725

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 13.6 10.3 15.5



#82

Chrysene

Concen: 2.14 ng

RT: 14.551 min Scan# 2153

Delta R.T. -0.112 min

Lab File: BF094222.D

Acq: 6 Apr 2017 12:25

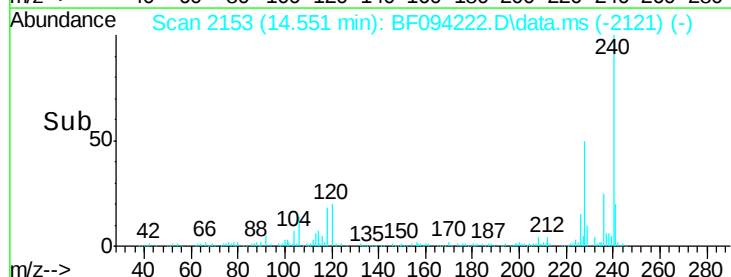
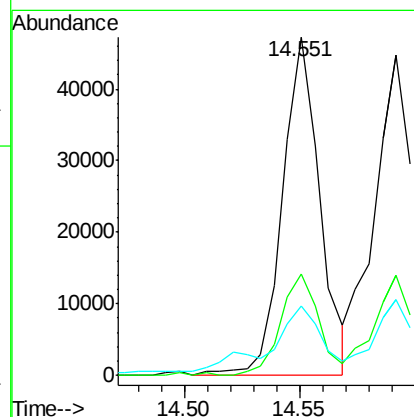
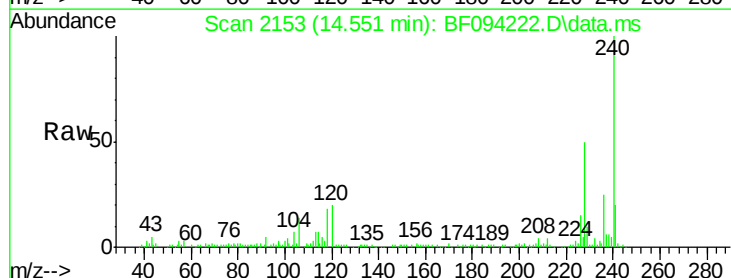
Tgt Ion:228 Resp: 52708

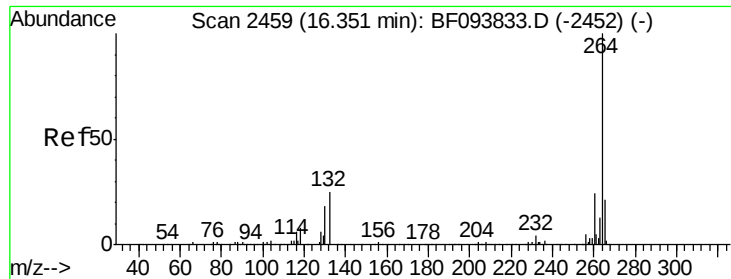
Ion Ratio Lower Upper

228 100

226 30.0 24.9 37.3

229 20.6 15.8 23.6





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.186 min Scan# 2459

Delta R.T. -0.065 min

Lab File: BF094222.D

Acq: 6 Apr 2017 12:25

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-SE

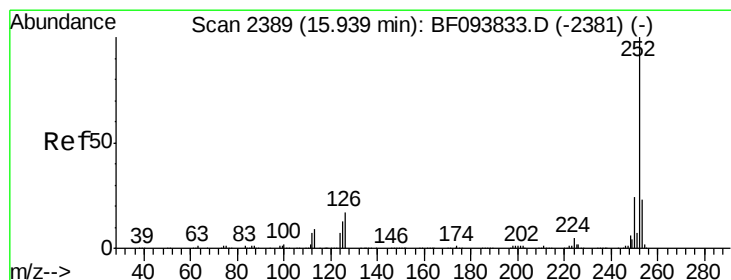
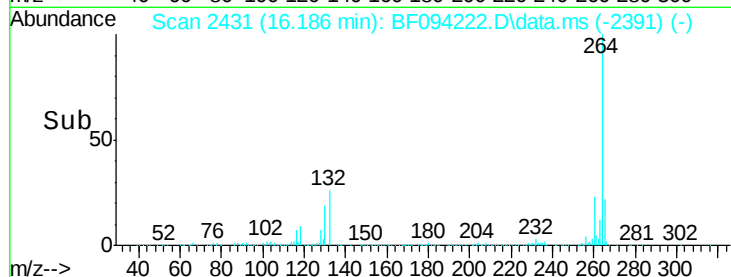
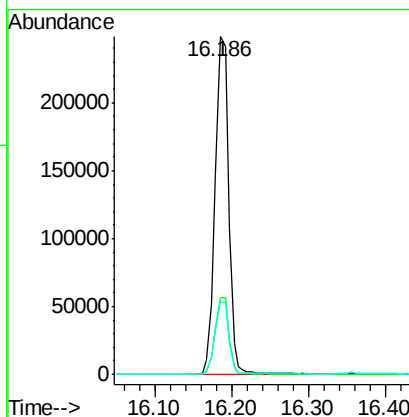
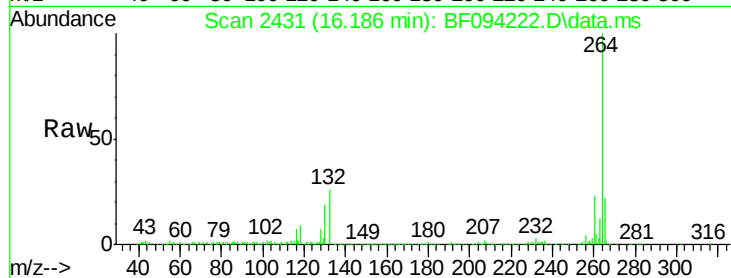
Tot Ion:264 Resp: 301787

Ion Ratio Lower Upper

264 100

260 22.6 19.5 29.3

265 21.6 17.2 25.8



#87

Benzo(b)fluoranthene

Concen: 3.18 ng

RT: 15.786 min Scan# 2363

Delta R.T. -0.065 min

Lab File: BF094222.D

Acq: 6 Apr 2017 12:25

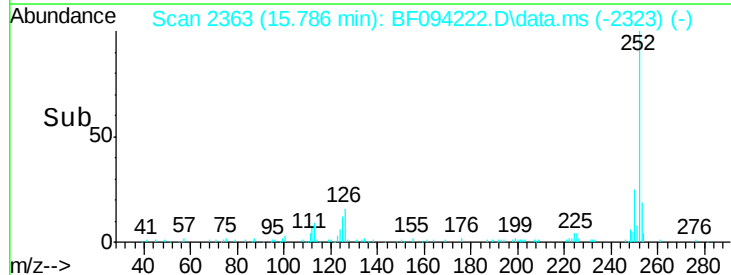
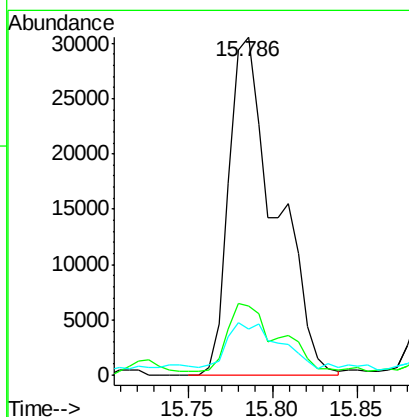
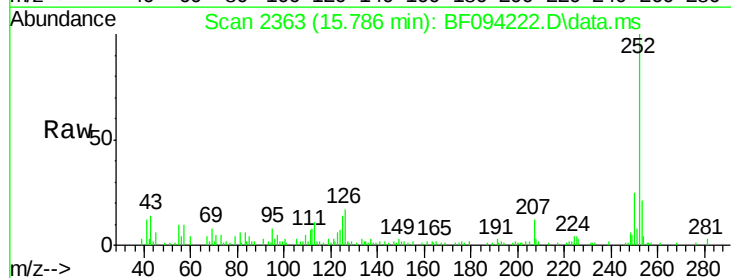
Tgt Ion:252 Resp: 58912

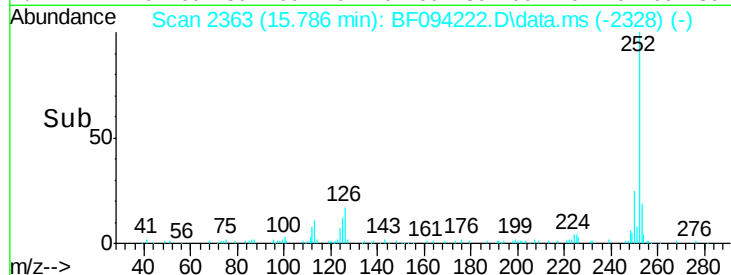
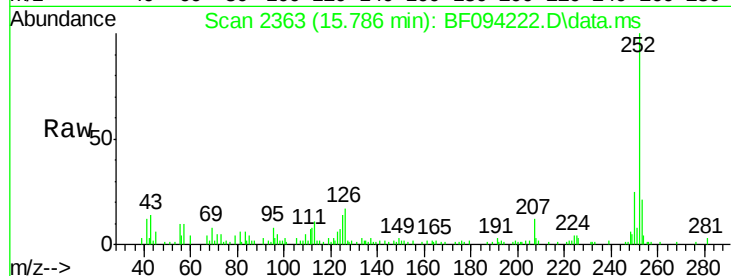
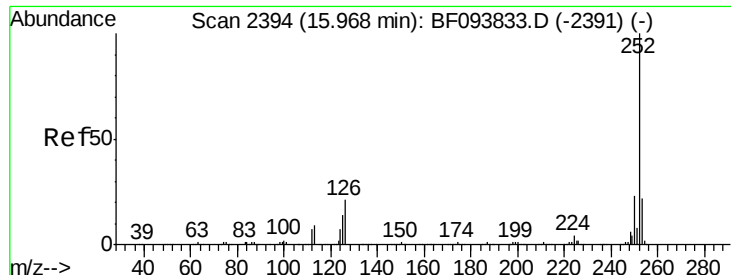
Ion Ratio Lower Upper

252 100

253 20.7 18.1 27.1

125 13.5 9.8 14.8





#88
 Benzo(k)fluoranthene
 Concen: 3.25 ng
 RT: 15.786 min Scan# 23
 Delta R.T. -0.094 min
 Lab File: BF094222.D
 Acq: 6 Apr 2017 12:25

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-SE

Tot Ion:	252	Resp:	58912
Ion Ratio	Lower	Upper	
252	100		
253	20.7	18.4	27.6
125	13.5	13.1	19.7

