

Data Path : Z:\HPCHEM1\BNA F\Data\BF040617\
 Data File : BF094221.D
 Acq On : 6 Apr 2017 11:57
 Operator : SJ/MA
 Sample : I2511-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-NE

Quant Time: Apr 06 13:07:21 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

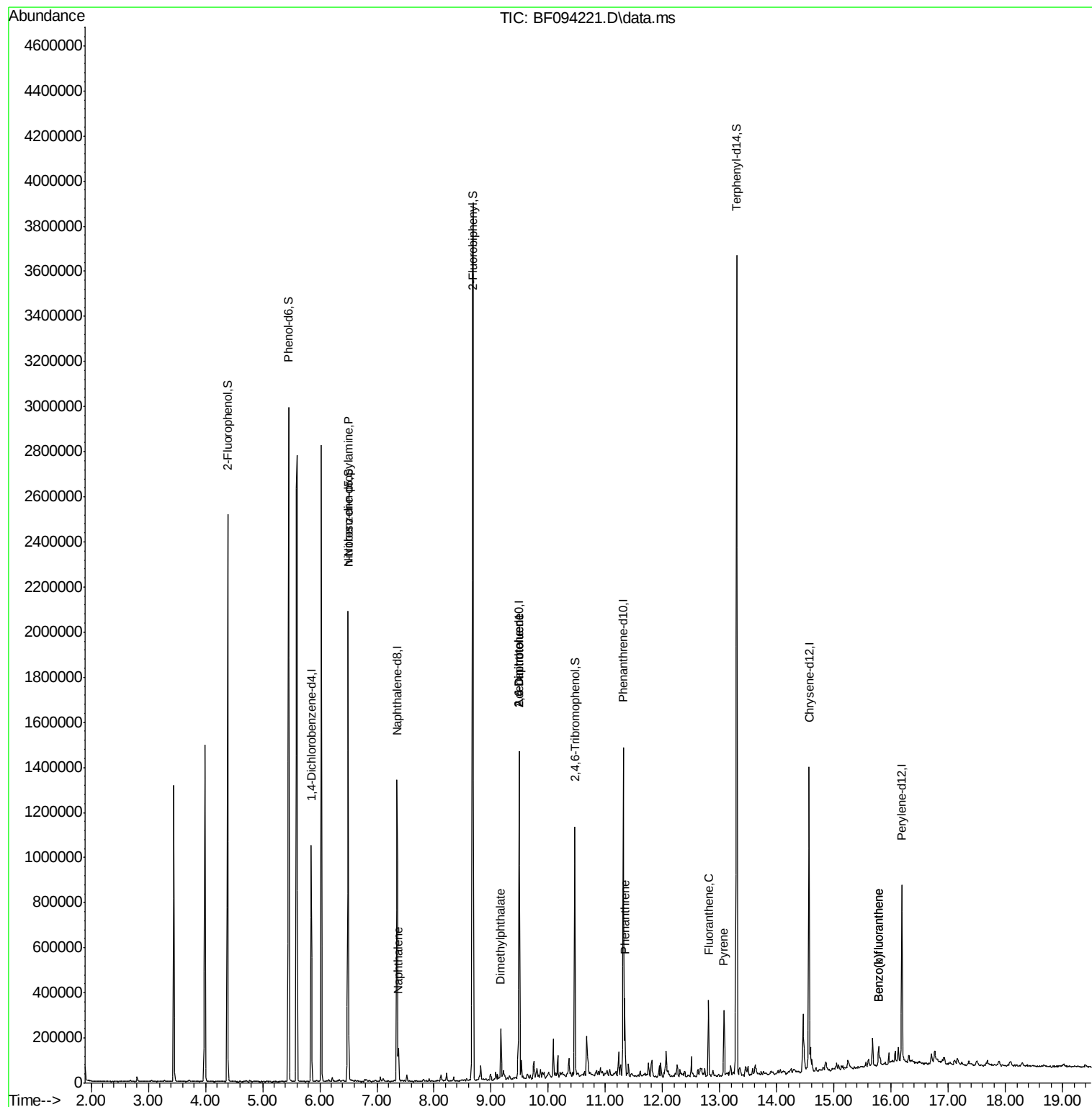
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.851	152	161568	20.00	ng	-0.05
21) Naphthalene-d8	7.351	136	658592	20.00	ng	-0.06
38) Acenaphthene-d10	9.492	164	314930	20.00	ng	-0.06
63) Phenanthrene-d10	11.316	188	575962	20.00	ng	-0.06
75) Chrysene-d12	14.562	240	480627	20.00	ng	-0.06
86) Perylene-d12	16.186	264	308008	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	4.387	112	699639	73.14	ng	-0.05
7) Phenol-d6	5.457	99	1246183	105.31	ng	-0.05
23) Nitrobenzene-d5	6.498	82	838077	72.62	ng	-0.06
41) 2,4,6-Tribromophenol	10.463	330	126110	50.67	ng	-0.06
44) 2-Fluorobiphenyl	8.680	172	1533710	74.28	ng	-0.05
78) Terphenyl-d14	13.298	244	1405772	65.56	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propyla...	6.498	70	109170	14.35	ng	Qvalue # 78
31) Naphthalene	7.375	128	84037	2.65	ng	98
49) Dimethylphthalate	9.169	163	105735	4.72	ng	99
50) 2,6-Dinitrotoluene	9.492	165	40850	7.96	ng	# 34
56) 2,4-Dinitrotoluene	9.492	165	40851	6.34	ng	# 33
70) Phenanthrene	11.339	178	140229	4.38	ng	98
74) Fluoranthene	12.804	202	149516	4.56	ng	98
77) Pyrene	13.080	202	127663	3.66	ng	98
87) Benzo(b)fluoranthene	15.780	252	51834	2.75	ng	# 96
88) Benzo(k)fluoranthene	15.780	252	51834	2.81	ng	99

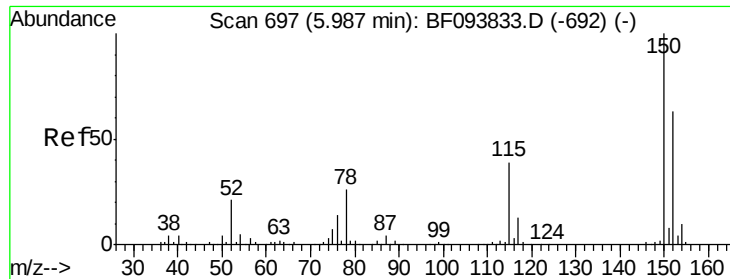
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF094221.D

Acq: 6 Apr 2017 11:57

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-NE

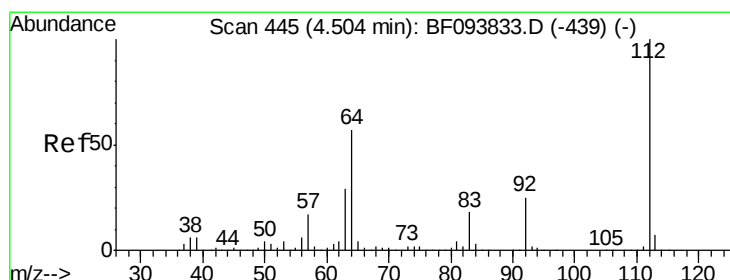
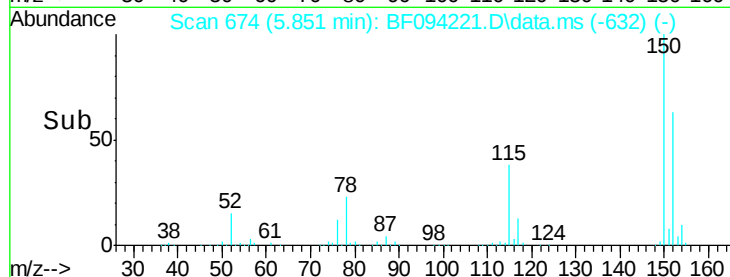
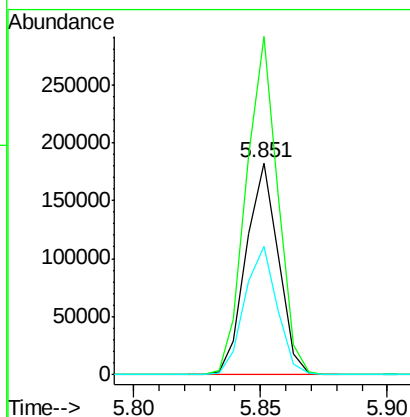
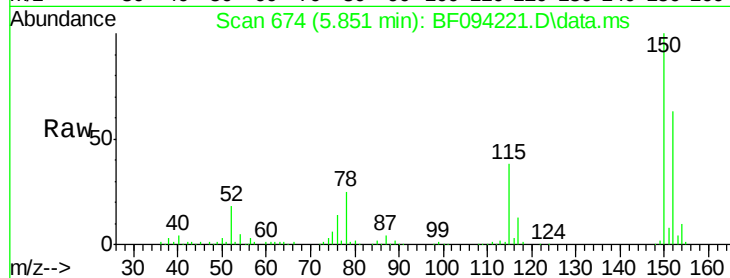
Tot Ion:152 Resp: 161568

Ion Ratio Lower Upper

152 100

150 159.5 126.2 189.2

115 60.4 52.2 78.2



#5

2-Fluorophenol

Concen: 73.14 ng

RT: 4.387 min Scan# 425

Delta R.T. -0.047 min

Lab File: BF094221.D

Acq: 6 Apr 2017 11:57

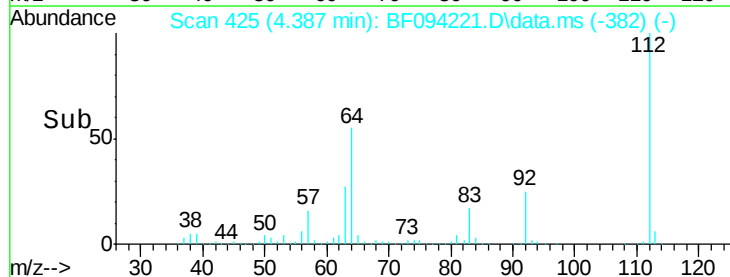
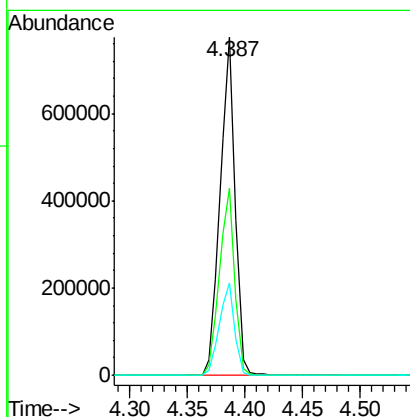
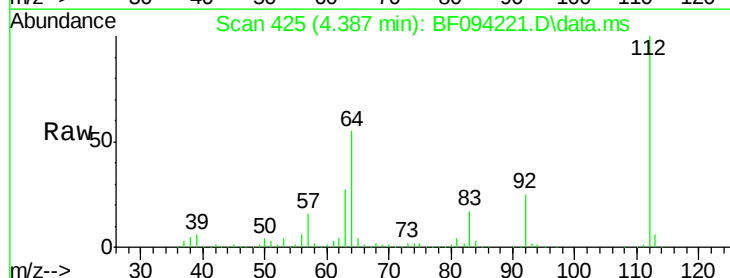
Tgt Ion:112 Resp: 699639

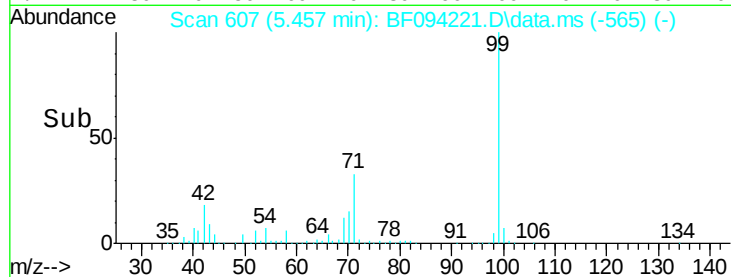
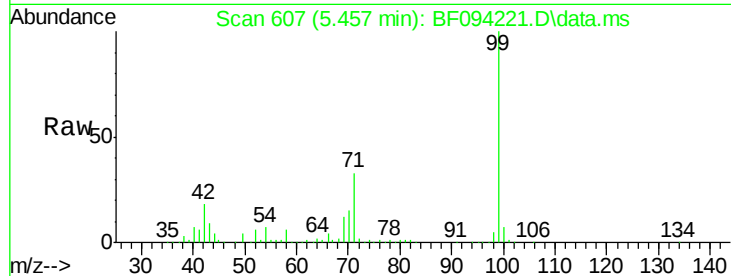
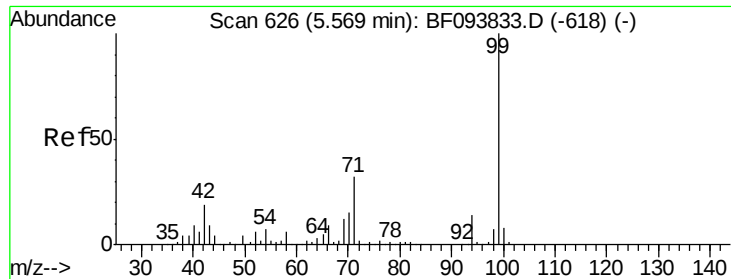
Ion Ratio Lower Upper

112 100

64 55.4 46.0 69.0

63 27.2 23.4 35.0





#7

Phenol-d6

Concen: 105.31 ng

RT: 5.457 min Scan# 607

Delta R.T. -0.053 min

Lab File: BF094221.D

Acq: 6 Apr 2017 11:57

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-NE

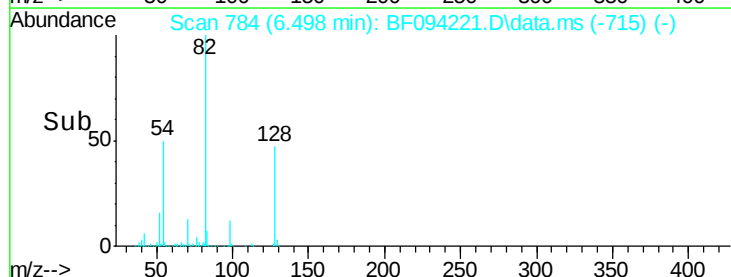
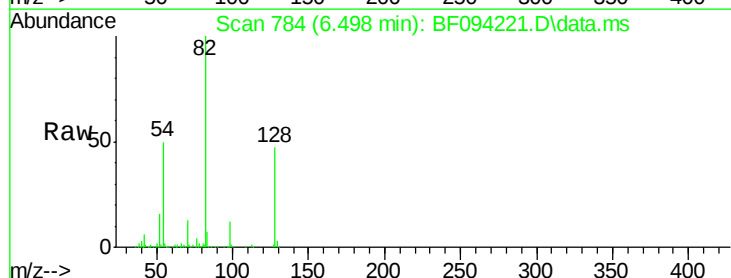
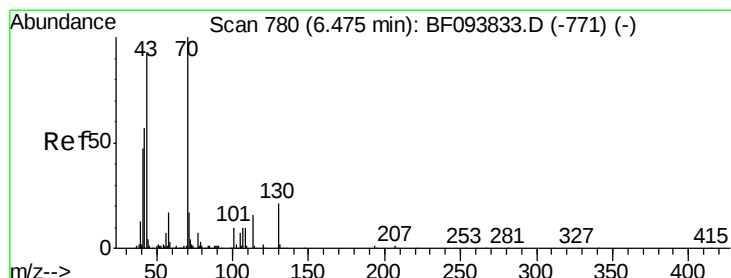
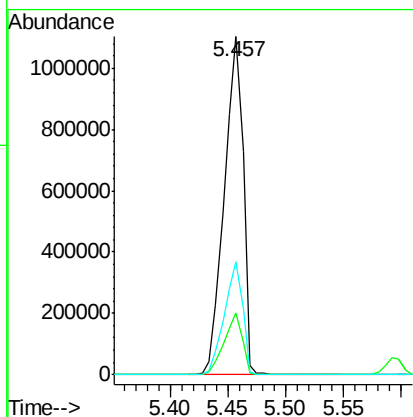
Tot Ion: 99 Resp: 1246183

Ion Ratio Lower Upper

99 100

42 18.2 13.5 20.3

71 33.3 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 14.35 ng

RT: 6.498 min Scan# 784

Delta R.T. 0.106 min

Lab File: BF094221.D

Acq: 6 Apr 2017 11:57

Tgt Ion: 70 Resp: 109170

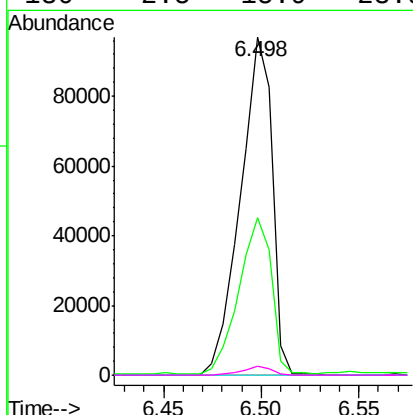
Ion Ratio Lower Upper

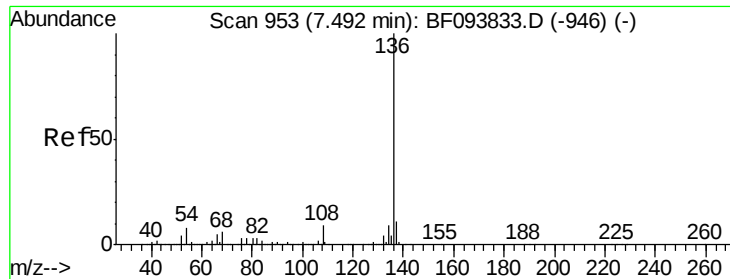
70 100

42 46.6 47.2 70.8#

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

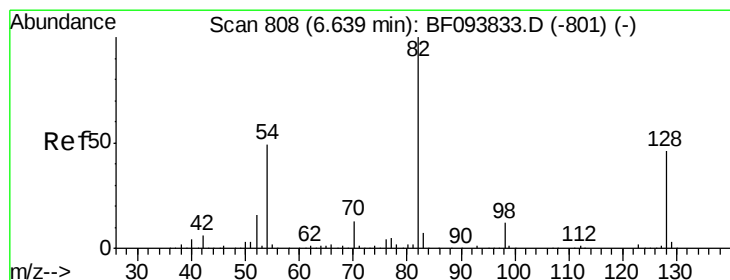
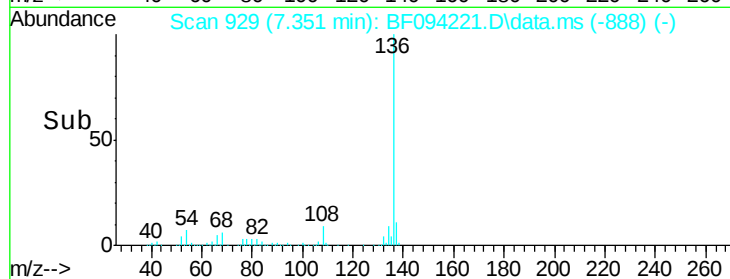
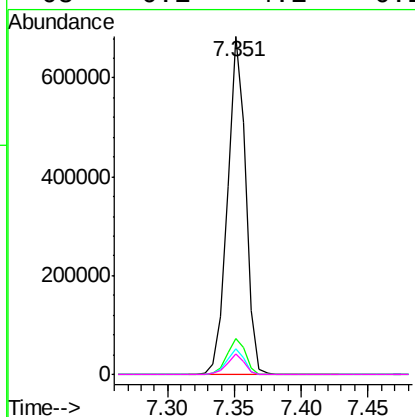
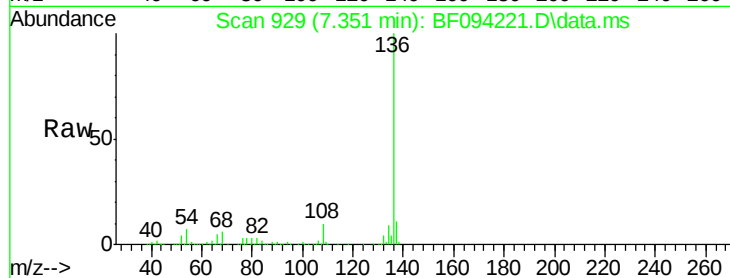




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.351 min Scan# 92
Delta R.T. -0.059 min
Lab File: BF094221.D
Acq: 6 Apr 2017 11:57

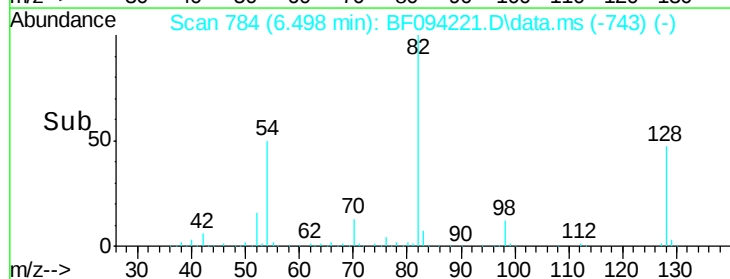
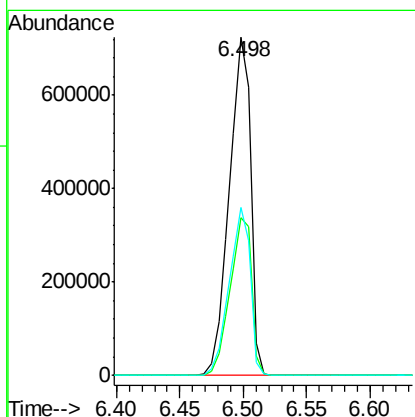
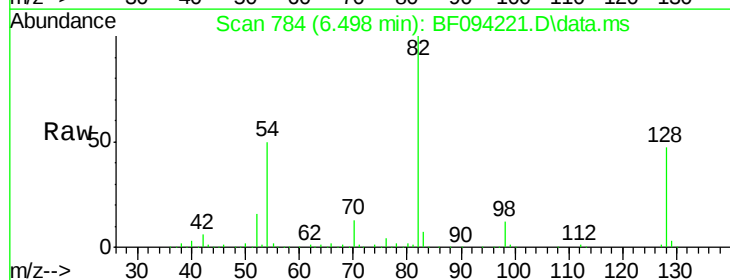
Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-NE

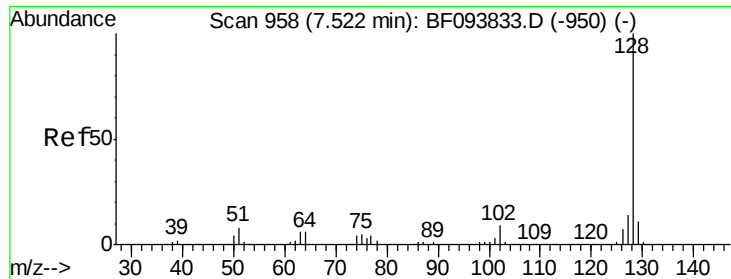
Tot Ion:136	Resp: 658592
Ion Ratio	Lower Upper
136 100	
137 10.6	8.5 12.7
54 7.4	4.9 7.3#
68 6.1	4.1 6.1#



#23
Nitrobenzene-d5
Concen: 72.62 ng
RT: 6.498 min Scan# 784
Delta R.T. -0.059 min
Lab File: BF094221.D
Acq: 6 Apr 2017 11:57

Tgt Ion: 82	Resp: 838077
Ion Ratio	Lower Upper
82 100	
128 46.6	34.0 51.0
54 49.8	42.2 63.2

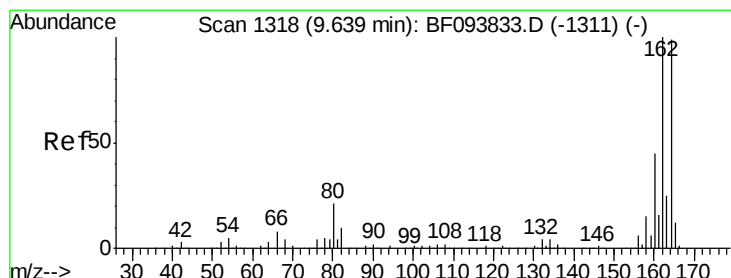
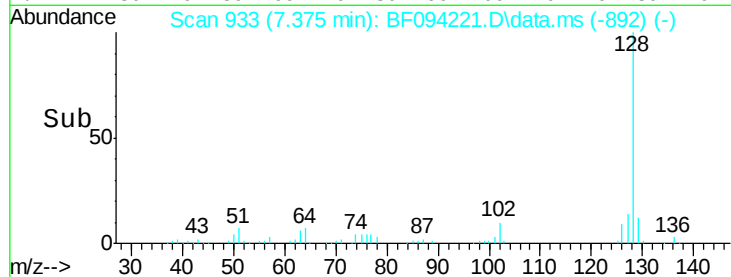
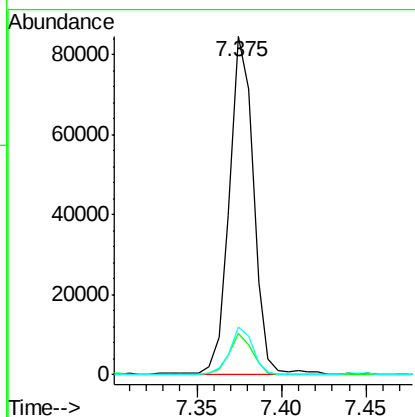
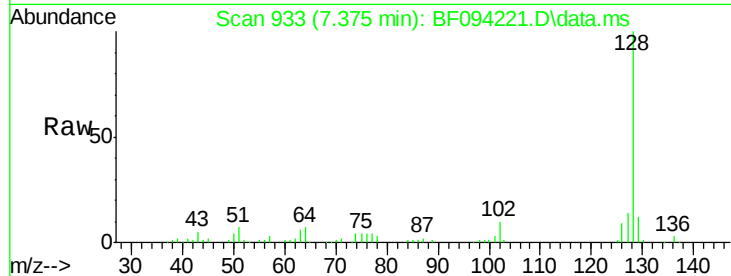




#31
Naphthalene
Concen: 2.65 ng
RT: 7.375 min Scan# 93
Delta R.T. -0.059 min
Lab File: BF094221.D
Acq: 6 Apr 2017 11:57

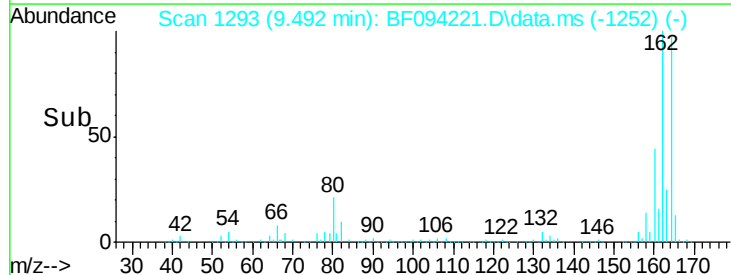
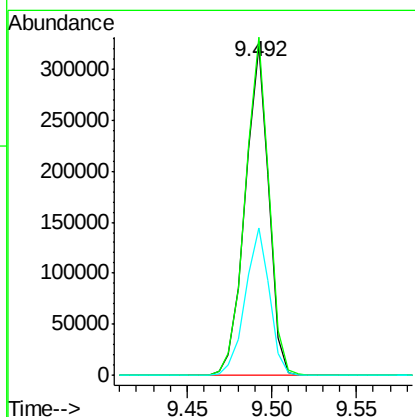
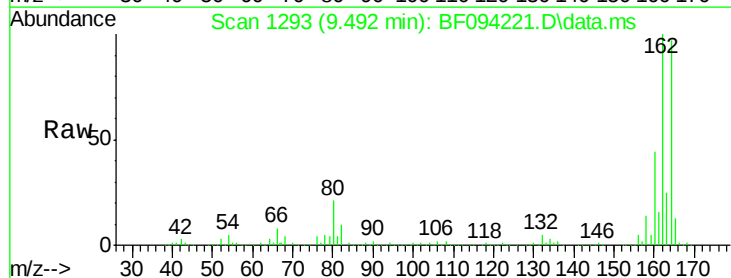
Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-NE

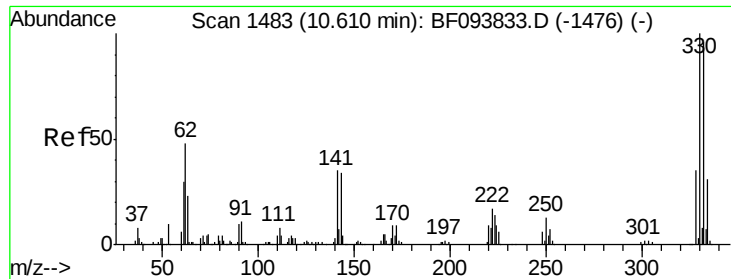
Tot Ion:128 Resp: 84037
Ion Ratio Lower Upper
128 100
129 12.1 9.0 13.6
127 14.0 10.8 16.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.492 min Scan# 1293
Delta R.T. -0.059 min
Lab File: BF094221.D
Acq: 6 Apr 2017 11:57

Tgt Ion:164 Resp: 314930
Ion Ratio Lower Upper
164 100
162 102.8 82.6 123.8
160 44.8 36.2 54.2

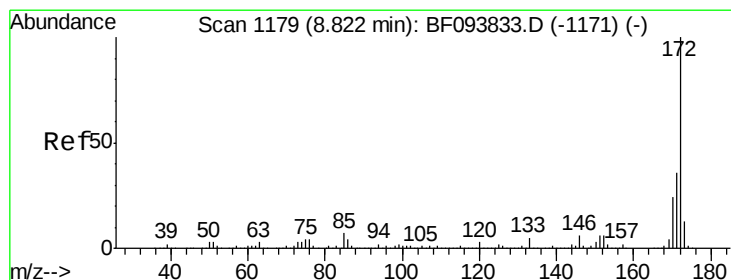
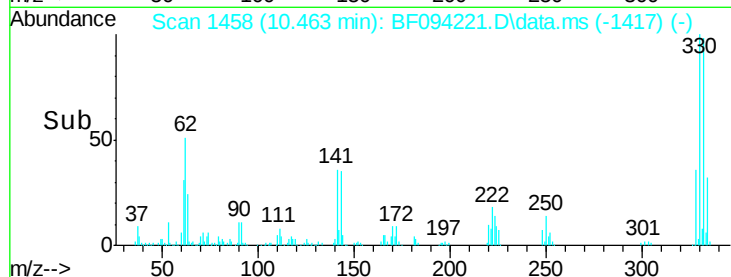
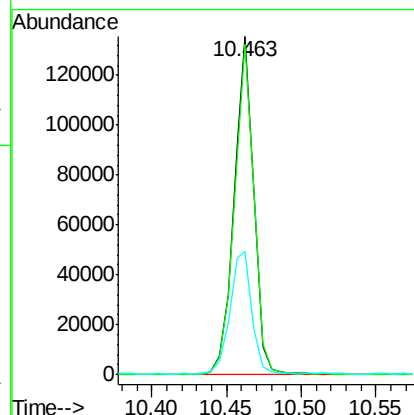
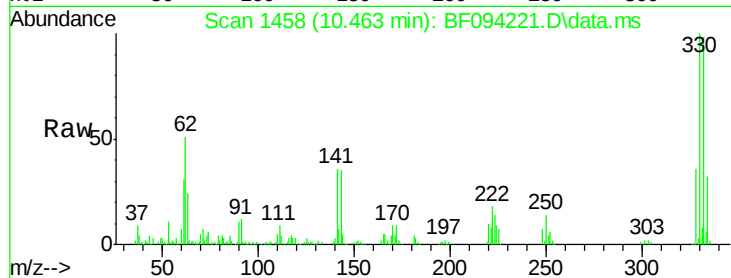




#41
 2,4,6-Tribromophenol
 Concen: 50.67 ng
 RT: 10.463 min Scan# 141
 Delta R.T. -0.059 min
 Lab File: BF094221.D
 Acq: 6 Apr 2017 11:57

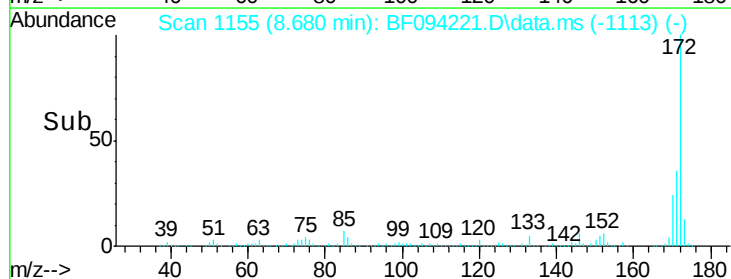
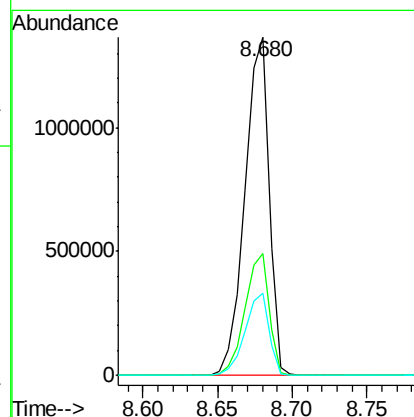
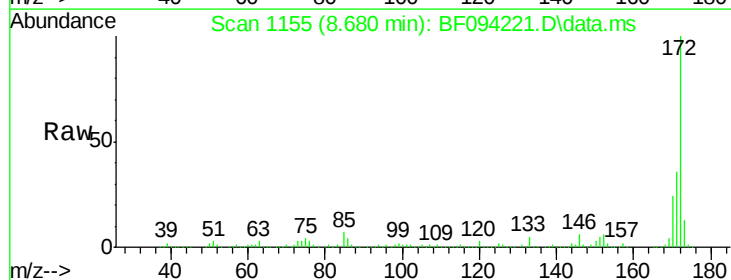
Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-NE

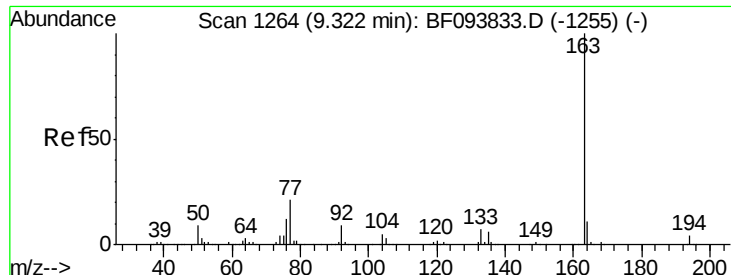
Tot Ion:330 Resp: 126110
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.6 115.0
 141 41.2 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 74.28 ng
 RT: 8.680 min Scan# 1155
 Delta R.T. -0.053 min
 Lab File: BF094221.D
 Acq: 6 Apr 2017 11:57

Tgt Ion:172 Resp: 1533710
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 24.3 19.8 29.8

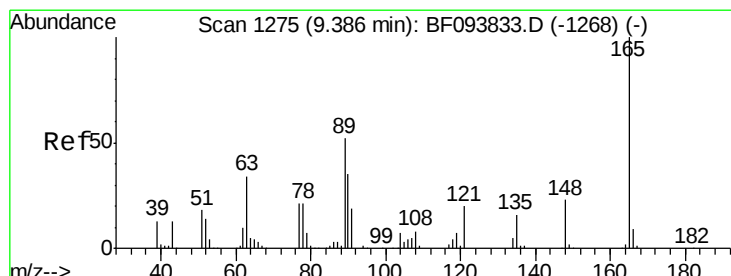
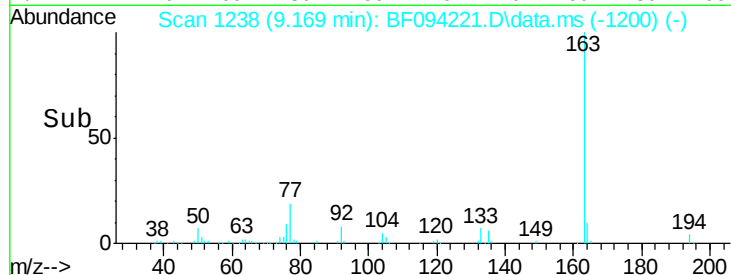
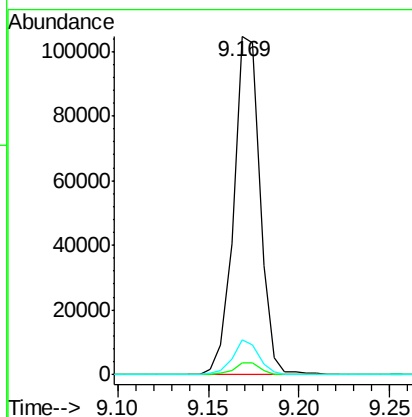
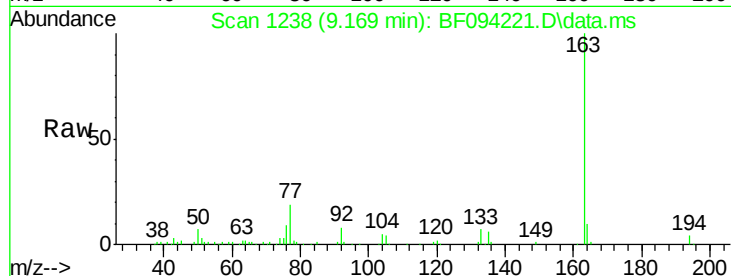




#49
 Dimethylphthalate
 Concen: 4.72 ng
 RT: 9.169 min Scan# 1264
 Delta R.T. -0.077 min
 Lab File: BF094221.D
 Acq: 6 Apr 2017 11:57

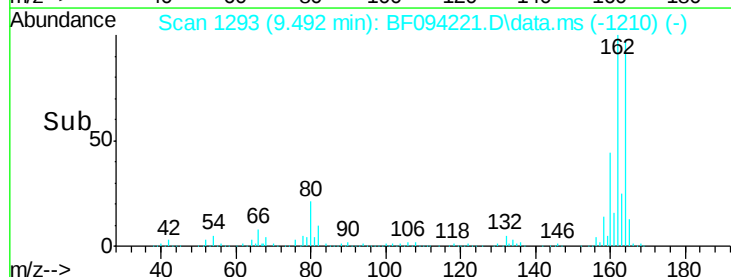
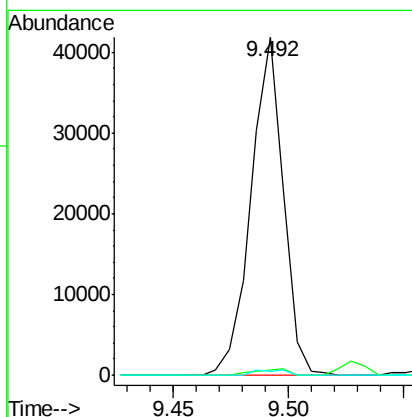
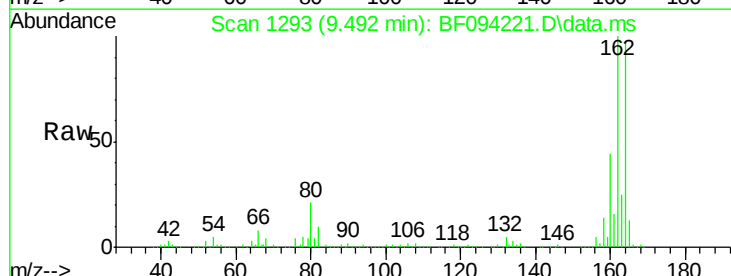
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 ClientSampleId :
 E2-CONCRETE-NE

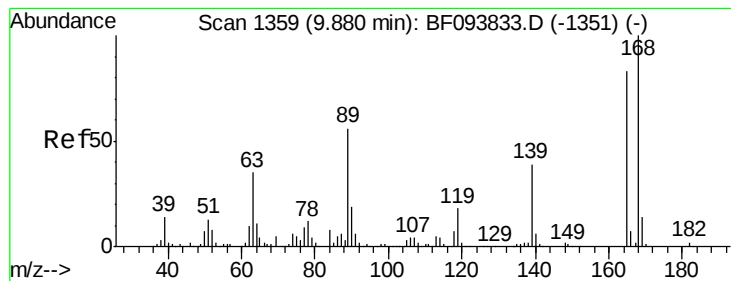
Tot Ion:	163	Resp:	105735
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.6	4.0
164	10.1	8.4	12.6



#50
 2,6-Dinitrotoluene
 Concen: 7.96 ng
 RT: 9.492 min Scan# 1293
 Delta R.T. 0.188 min
 Lab File: BF094221.D
 Acq: 6 Apr 2017 11:57

Tgt Ion:	165	Resp:	40850
Ion Ratio	Lower	Upper	
165	100		
63	1.5	34.3	51.5#
89	1.3	37.1	55.7#





#56

2,4-Dinitrotoluene

Concen: 6.34 ng

RT: 9.492 min Scan# 12

Delta R.T. -0.306 min

Lab File: BF094221.D

Acq: 6 Apr 2017 11:57

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-NE

Tot Ion:165 Resp: 40851

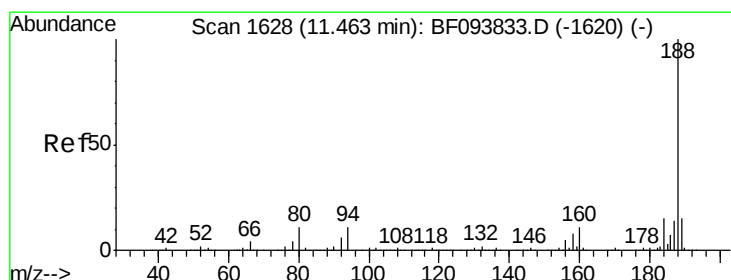
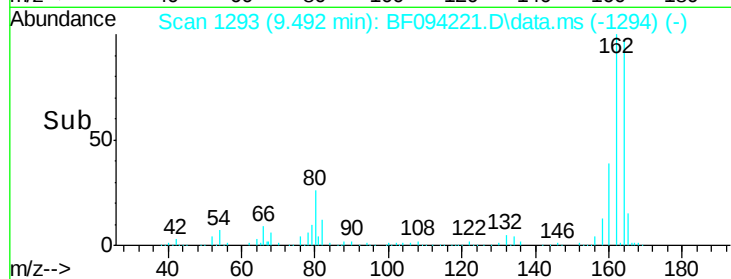
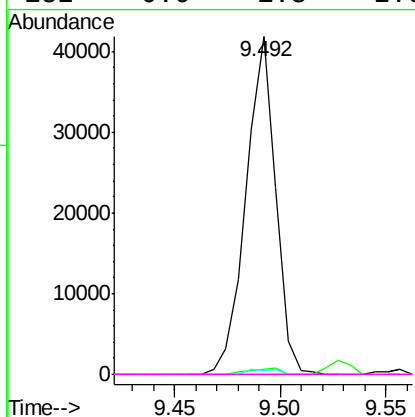
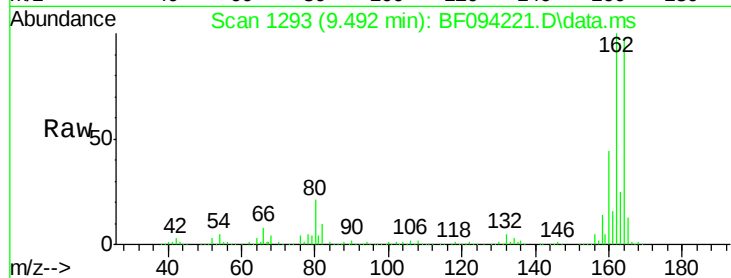
Ion Ratio Lower Upper

165 100

63 1.5 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: BF094221.D

Acq: 6 Apr 2017 11:57

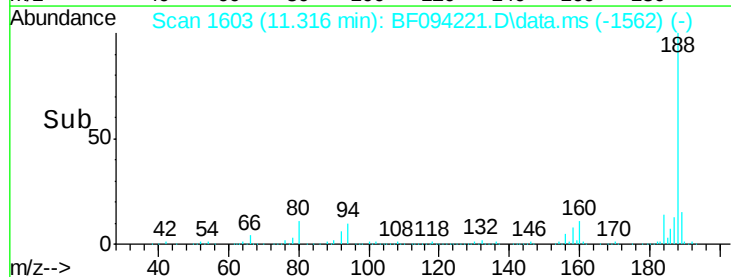
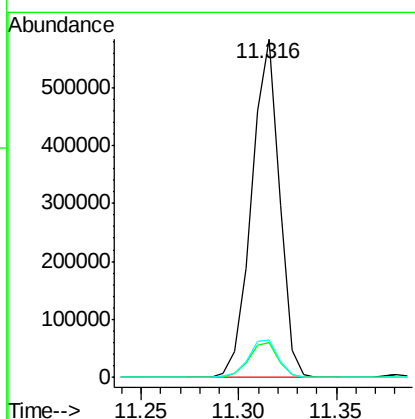
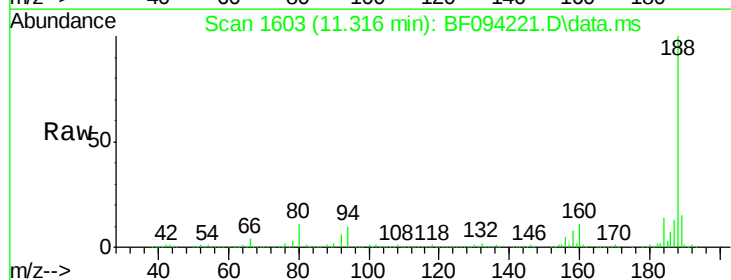
Tgt Ion:188 Resp: 575962

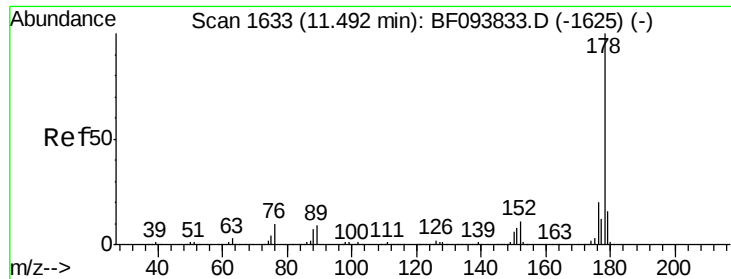
Ion Ratio Lower Upper

188 100

94 10.4 9.4 14.2

80 11.2 10.2 15.2





#70

Phenanthrene

Concen: 4.38 ng

RT: 11.339 min Scan# 16

Delta R.T. -0.065 min

Lab File: BF094221.D

Acq: 6 Apr 2017 11:57

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-NE

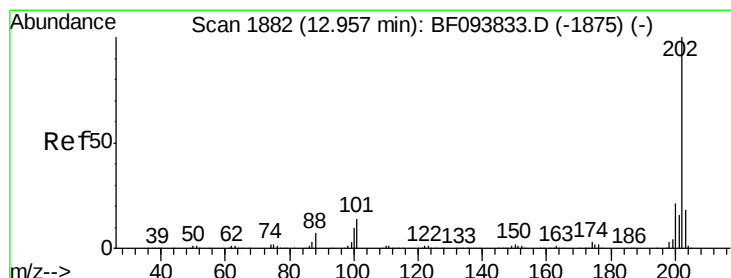
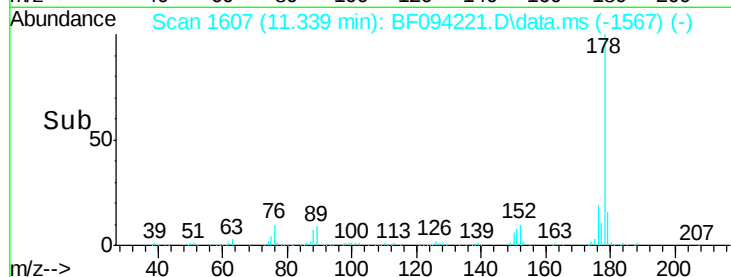
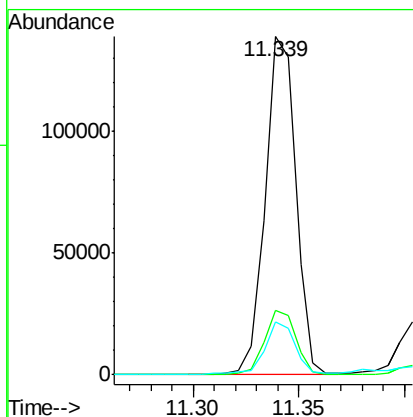
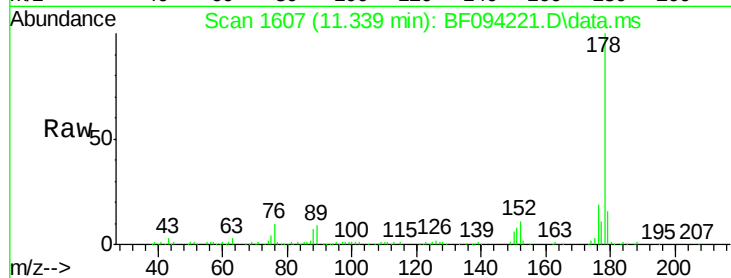
Tot Ion:178 Resp: 140229

Ion Ratio Lower Upper

178 100

176 19.0 16.2 24.4

179 15.7 12.6 19.0



#74

Fluoranthene

Concen: 4.56 ng

RT: 12.804 min Scan# 1856

Delta R.T. -0.065 min

Lab File: BF094221.D

Acq: 6 Apr 2017 11:57

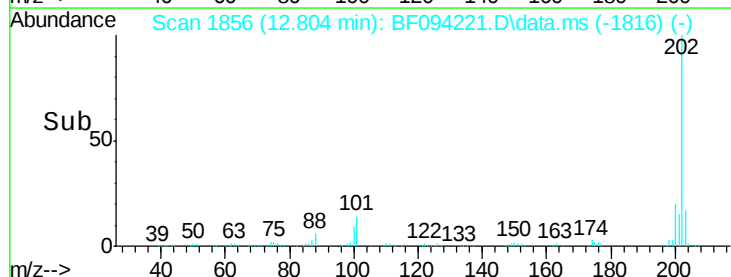
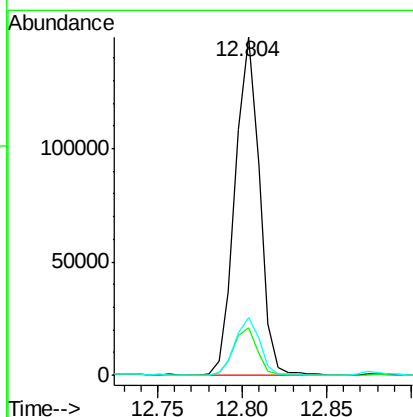
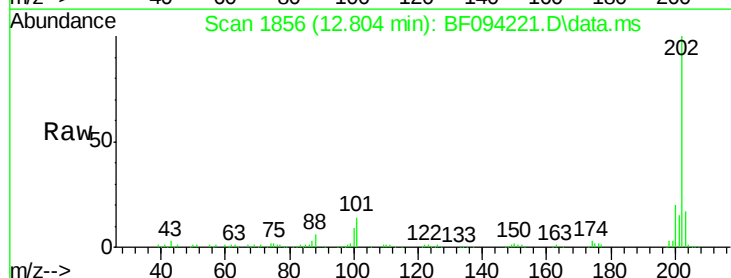
Tgt Ion:202 Resp: 149516

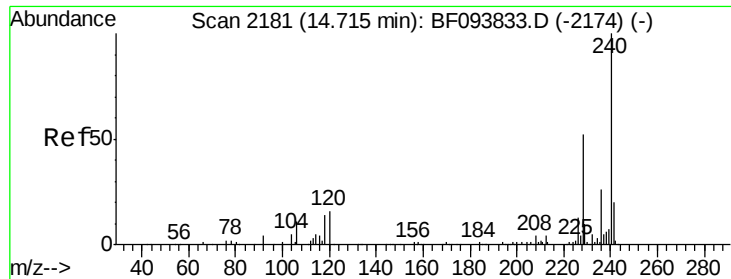
Ion Ratio Lower Upper

202 100

101 13.9 0.0 33.2

203 17.2 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: BF094221.D

Acq: 6 Apr 2017 11:57

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-NE

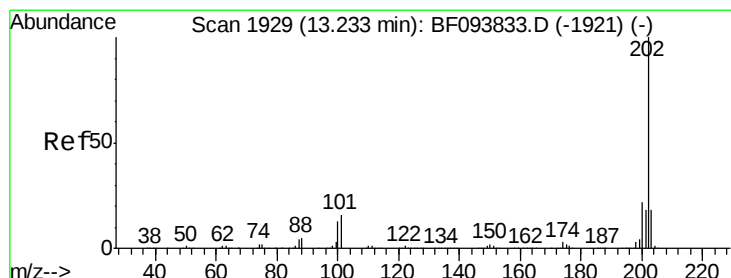
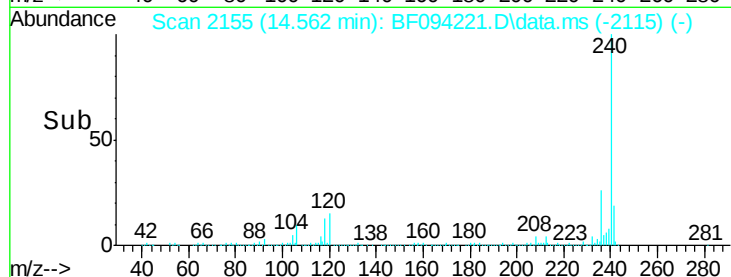
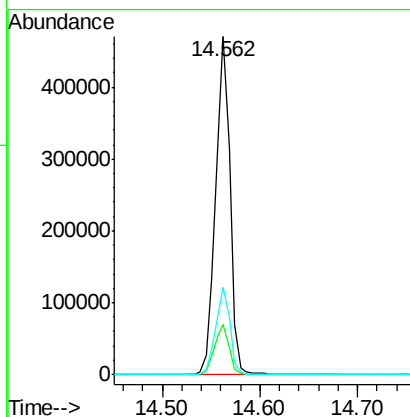
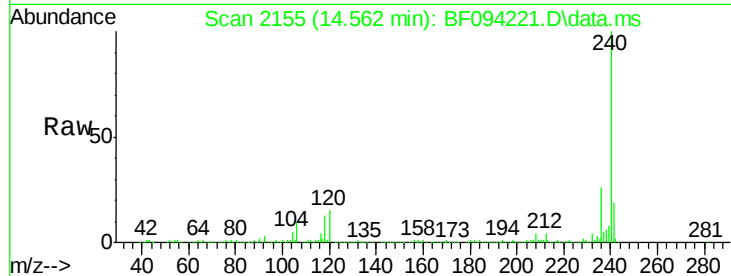
Tot Ion:240 Resp: 480627

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

236 25.8 20.5 30.7



#77

Pyrene

Concen: 3.66 ng

RT: 13.080 min Scan# 1903

Delta R.T. -0.065 min

Lab File: BF094221.D

Acq: 6 Apr 2017 11:57

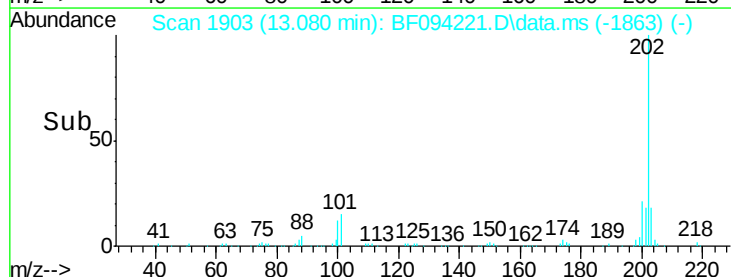
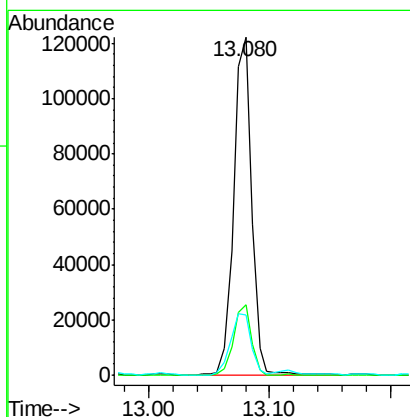
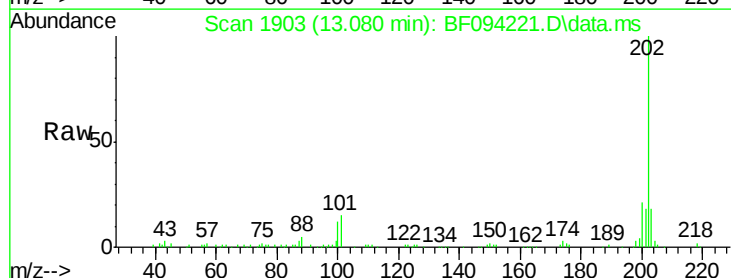
Tgt Ion:202 Resp: 127663

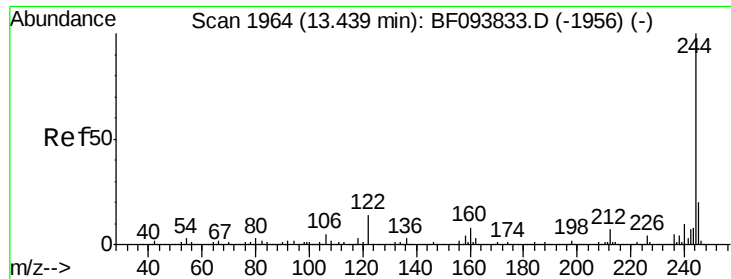
Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

203 17.8 14.4 21.6





#78

Terphenyl-d14

Concen: 65.56 ng

RT: 13.298 min Scan# 19

Delta R.T. -0.053 min

Lab File: BF094221.D

Acq: 6 Apr 2017 11:57

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-NE

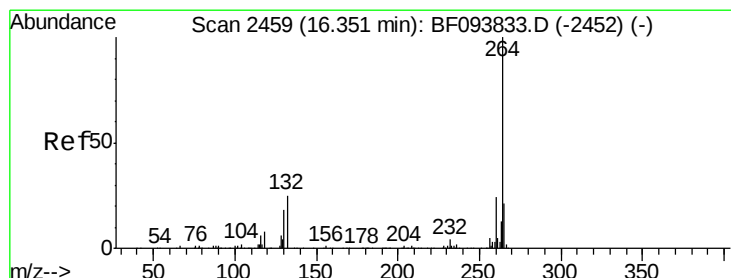
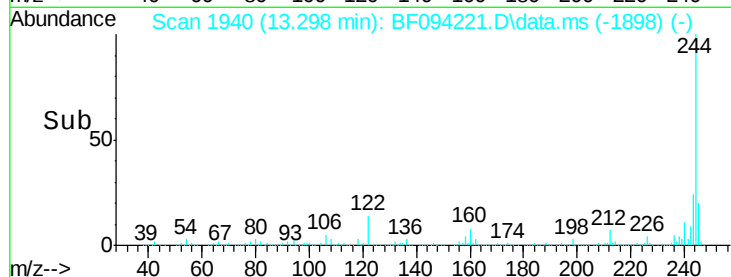
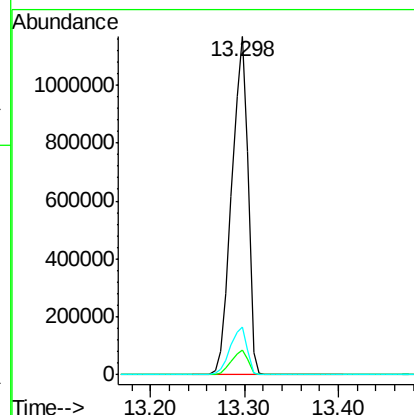
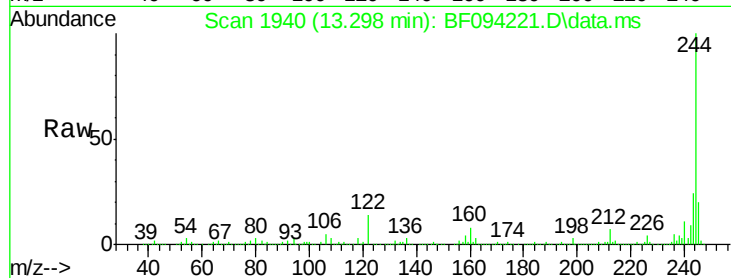
Tot Ion:244 Resp: 1405772

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 13.9 10.3 15.5



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.186 min Scan# 2431

Delta R.T. -0.065 min

Lab File: BF094221.D

Acq: 6 Apr 2017 11:57

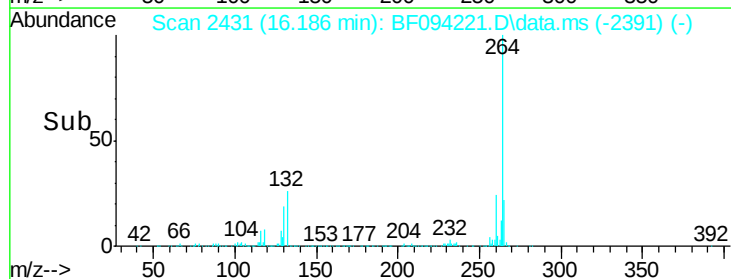
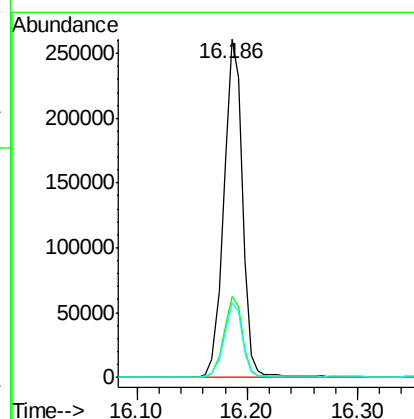
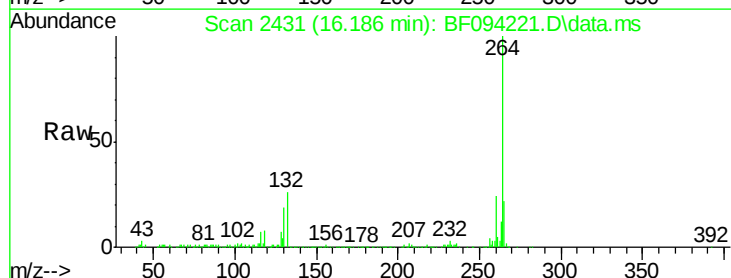
Tgt Ion:264 Resp: 308008

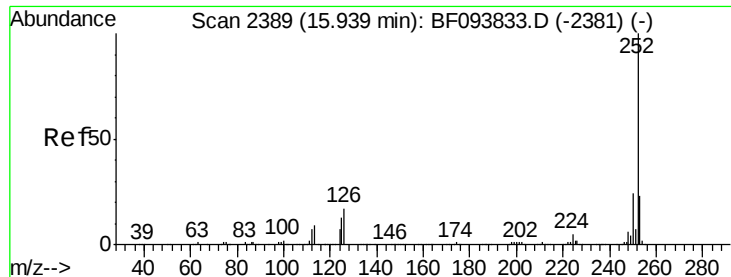
Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

265 21.9 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 2.75 ng

RT: 15.780 min Scan# 2362

Delta R.T. -0.071 min

Lab File: BF094221.D

Acq: 6 Apr 2017 11:57

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-NE

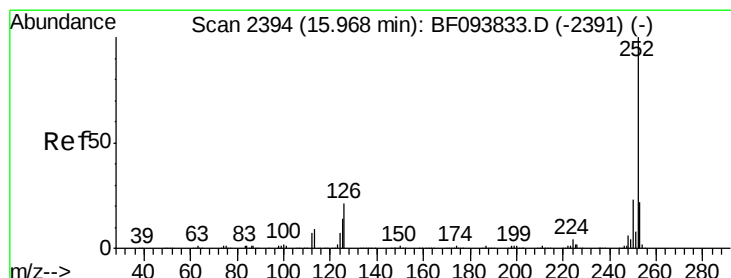
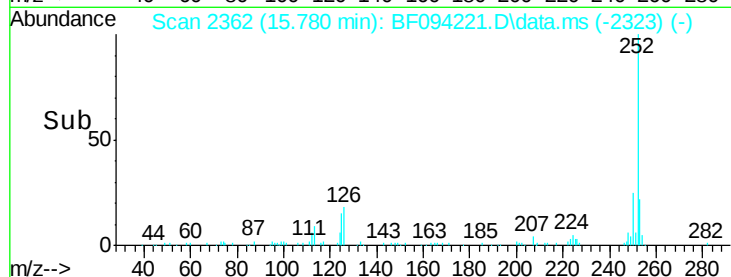
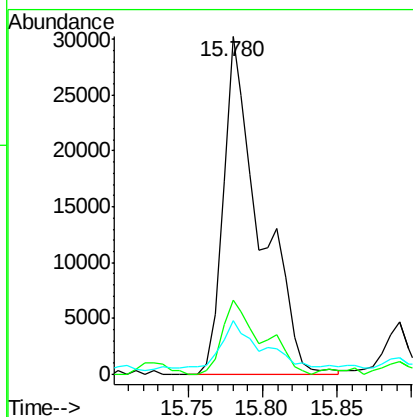
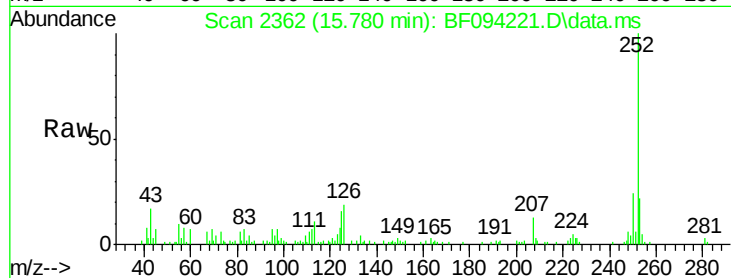
Tot Ion:252 Resp: 51834

Ion Ratio Lower Upper

252 100

253 22.1 18.1 27.1

125 16.1 9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 2.81 ng

RT: 15.780 min Scan# 2362

Delta R.T. -0.100 min

Lab File: BF094221.D

Acq: 6 Apr 2017 11:57

Tgt Ion:252 Resp: 51834

Ion Ratio Lower Upper

252 100

253 22.1 18.4 27.6

125 16.1 13.1 19.7

