

Data Path : Z:\HPCHEM1\BNA F\Data\BF040617\
 Data File : BF094226.D
 Acq On : 6 Apr 2017 14:16
 Operator : SJ/MA
 Sample : I2511-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-NW

Quant Time: Apr 06 15:20:52 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

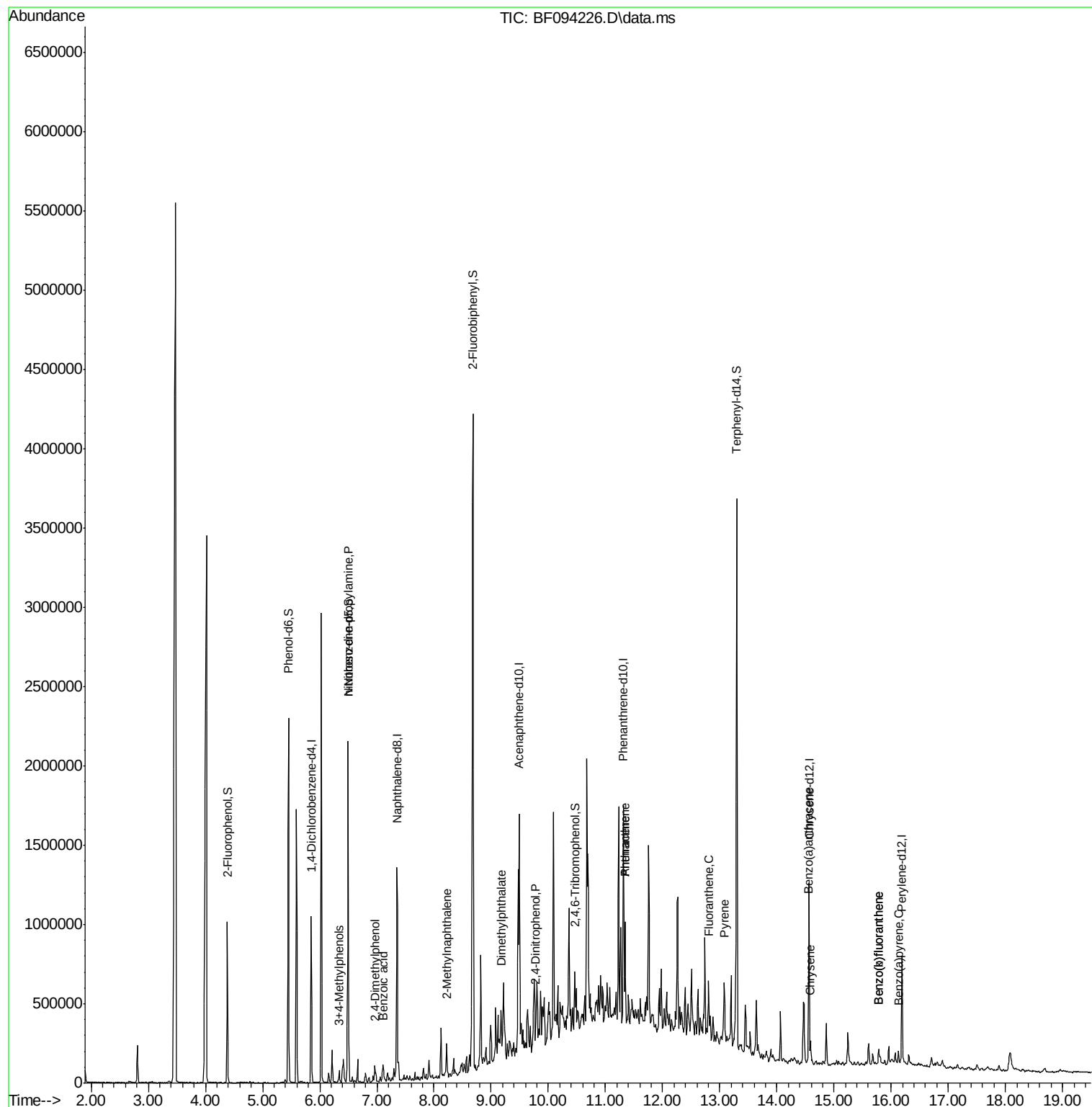
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.851	152	165083	20.00	ng	-0.05
21) Naphthalene-d8	7.351	136	676450	20.00	ng	-0.06
38) Acenaphthene-d10	9.492	164	313002	20.00	ng	-0.06
63) Phenanthrene-d10	11.316	188	546019	20.00	ng	-0.06
75) Chrysene-d12	14.562	240	395719	20.00	ng	-0.06
86) Perylene-d12	16.192	264	280526	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	4.381	112	296869	30.37	ng	-0.05
7) Phenol-d6	5.451	99	922642	76.31	ng	-0.06
23) Nitrobenzene-d5	6.498	82	894104	75.43	ng	-0.06
41) 2,4,6-Tribromophenol	10.463	330	11745	4.75	ng	-0.06
44) 2-Fluorobiphenyl	8.680	172	1626321	79.25	ng	-0.05
78) Terphenyl-d14	13.298	244	1336565	75.71	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propyla...	6.498	70	117382	15.10	ng	# 78
20) 3+4-Methylphenols	6.339	107	23139	2.08	ng	# 61
27) 2,4-Dimethylphenol	6.963	122	27698	2.88	ng	96
32) Benzoic acid	7.110	122	22911	3.58	ng	# 42
37) 2-Methylnaphthalene	8.222	142	53969	2.49	ng	96
49) Dimethylphthalate	9.175	163	133359	5.99	ng	99
53) 2,4-Dinitrophenol	9.775	184	258	4.75	ng	# 1
70) Phenanthrene	11.345	178	255916	8.43	ng	99
71) Anthracene	11.345	178	255916	8.18	ng	99
74) Fluoranthene	12.804	202	176159	5.66	ng	98
77) Pyrene	13.080	202	166391	5.79	ng	97
80) Benzo(a)anthracene	14.551	228	50908	2.21	ng	98
82) Chrysene	14.592	228	55021	2.57	ng	95
87) Benzo(b)fluoranthene	15.786	252	63588	3.70	ng	# 93
88) Benzo(k)fluoranthene	15.786	252	63588	3.78	ng	97
89) Benzo(a)pyrene	16.127	252	32708	2.07	ng	# 96

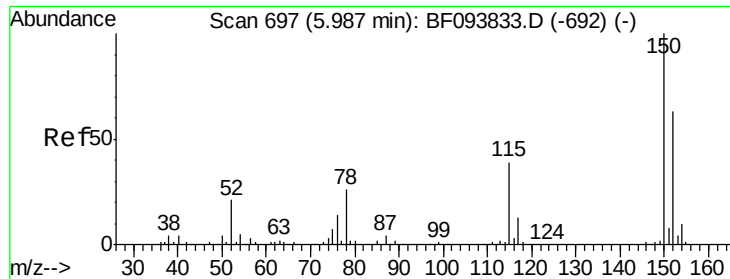
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.851 min Scan# 67

Delta R.T. -0.053 min

Lab File: BF094226.D

Acq: 6 Apr 2017 14:16

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-NW

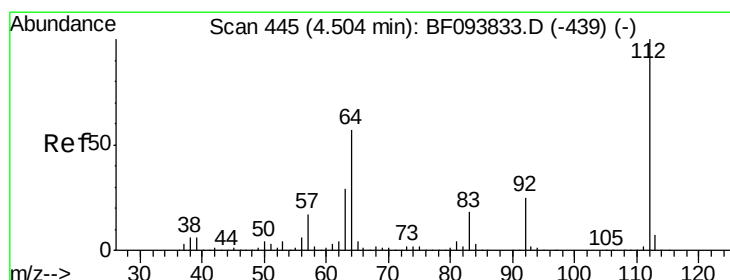
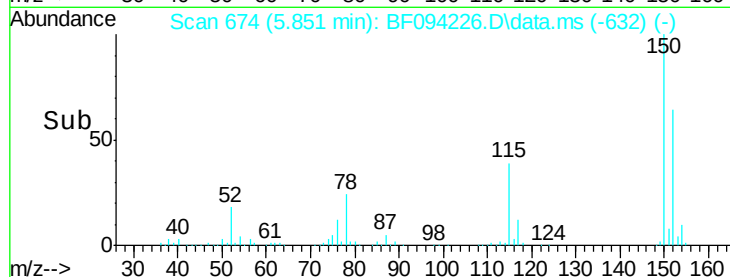
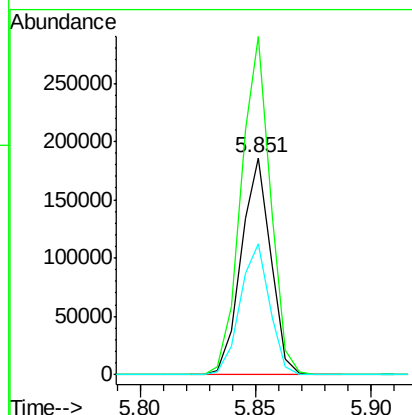
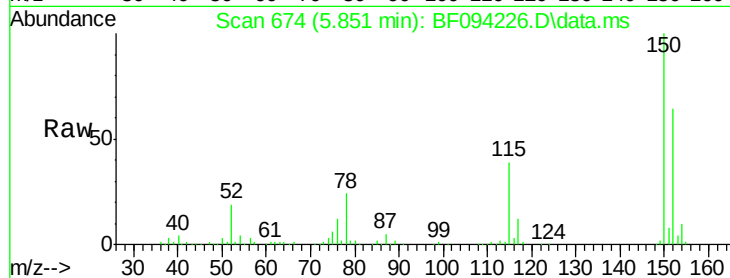
Tot Ion:152 Resp: 165083

Ion Ratio Lower Upper

152 100

150 156.0 126.2 189.2

115 60.4 52.2 78.2



#5

2-Fluorophenol

Concen: 30.37 ng

RT: 4.381 min Scan# 424

Delta R.T. -0.053 min

Lab File: BF094226.D

Acq: 6 Apr 2017 14:16

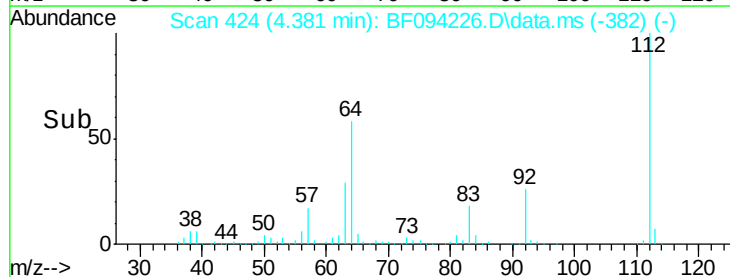
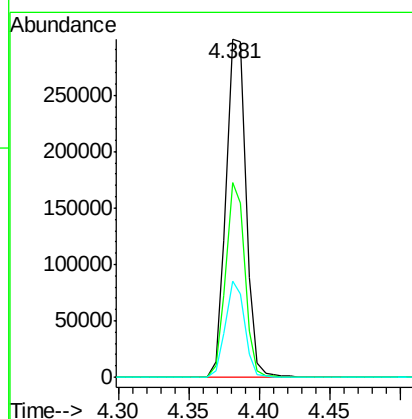
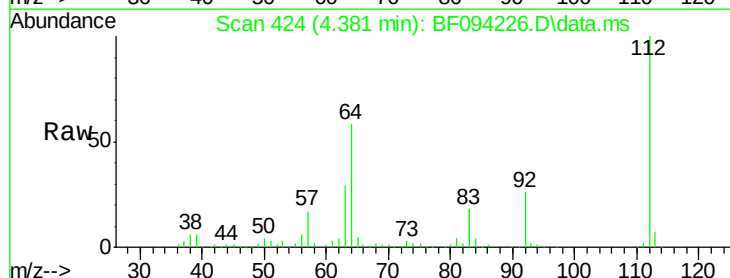
Tgt Ion:112 Resp: 296869

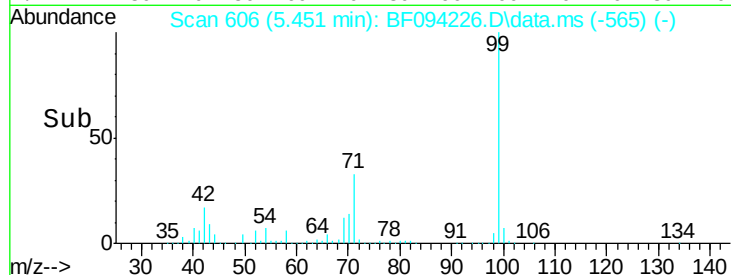
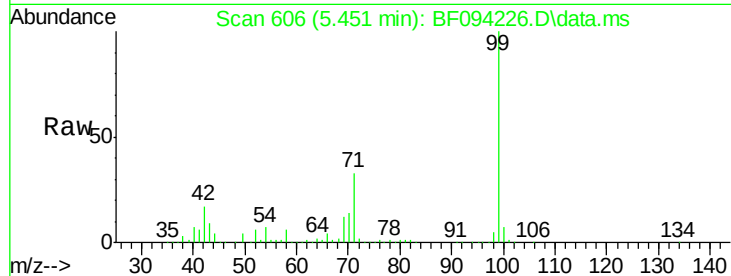
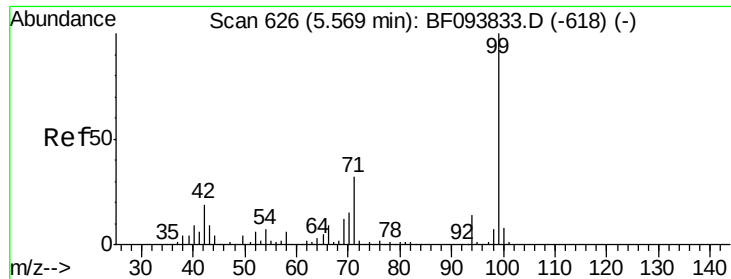
Ion Ratio Lower Upper

112 100

64 57.7 46.0 69.0

63 28.5 23.4 35.0





#7

Phenol-d6

Concen: 76.31 ng

RT: 5.451 min Scan# 60

Delta R.T. -0.059 min

Lab File: BF094226.D

Acq: 6 Apr 2017 14:16

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-NW

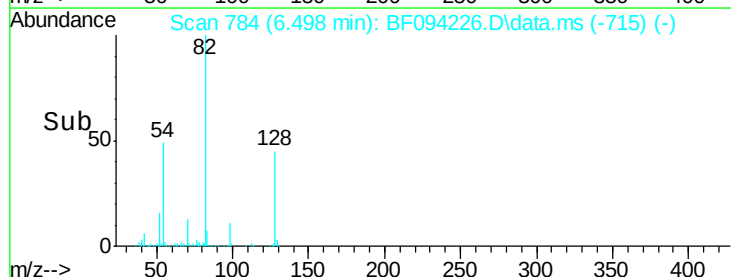
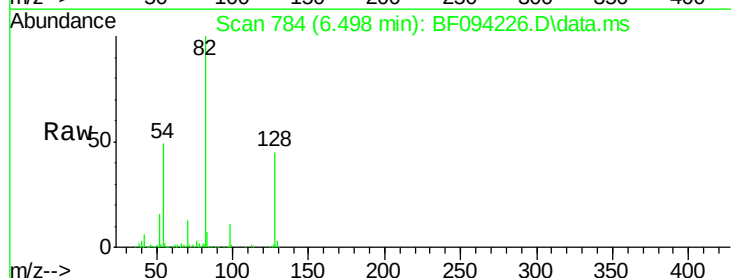
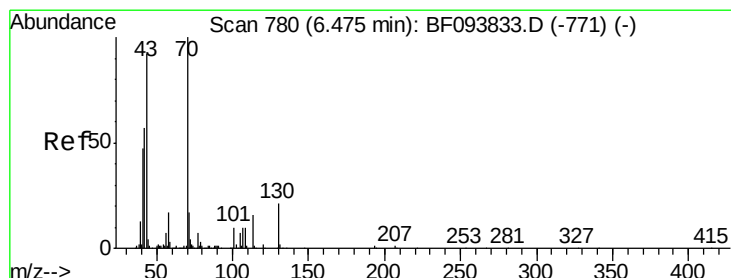
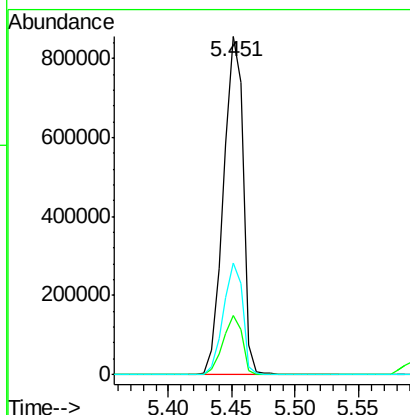
Tot Ion: 99 Resp: 922642

Ion Ratio Lower Upper

99 100

42 17.4 13.5 20.3

71 33.1 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 15.10 ng

RT: 6.498 min Scan# 784

Delta R.T. 0.106 min

Lab File: BF094226.D

Acq: 6 Apr 2017 14:16

Tgt Ion: 70 Resp: 117382

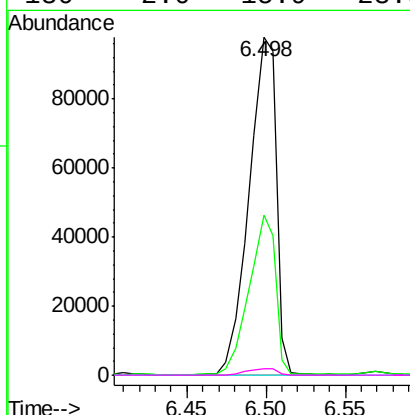
Ion Ratio Lower Upper

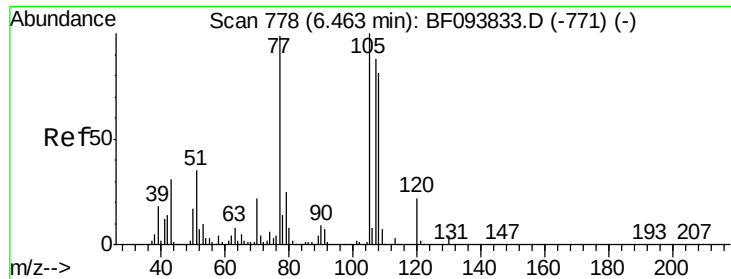
70 100

42 47.3 47.2 70.8

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#





#20

3+4-Methylphenols

Concen: 2.08 ng

RT: 6.339 min Scan# 75

Delta R.T. -0.059 min

Lab File: BF094226.D

Acq: 6 Apr 2017 14:16

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-NW

Tot Ion:107 Resp: 23139

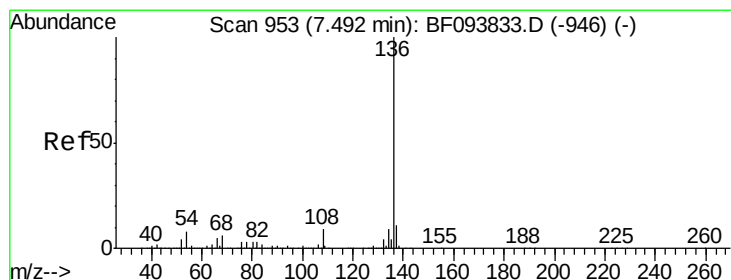
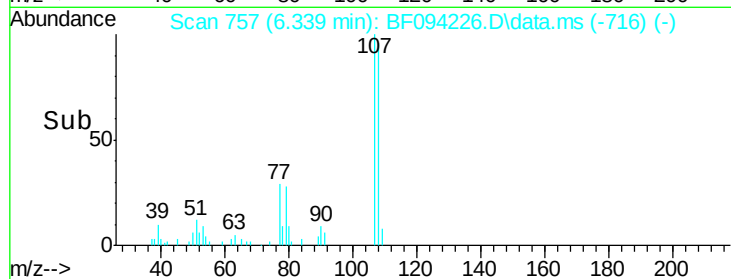
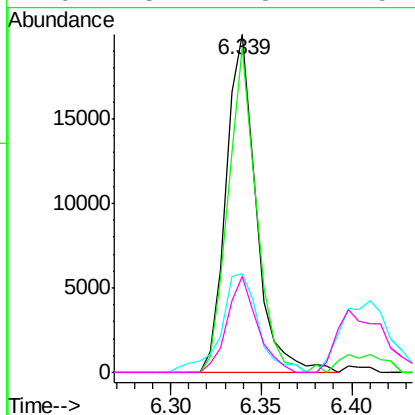
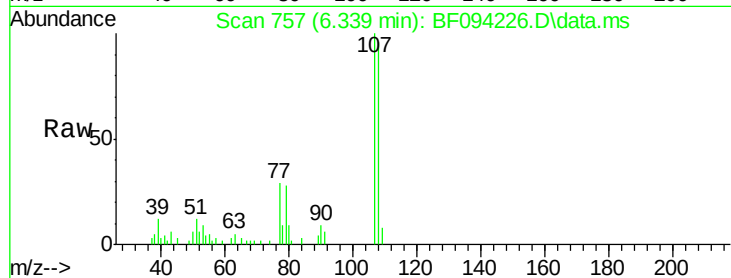
Ion Ratio Lower Upper

107 100

108 96.2 71.0 111.0

77 29.1 90.5 130.5#

79 28.4 8.4 48.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.351 min Scan# 929

Delta R.T. -0.059 min

Lab File: BF094226.D

Acq: 6 Apr 2017 14:16

Tgt Ion:136 Resp: 676450

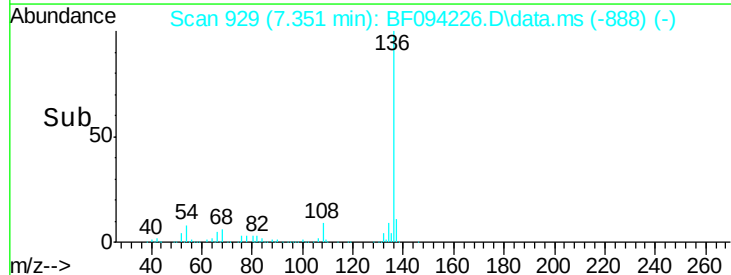
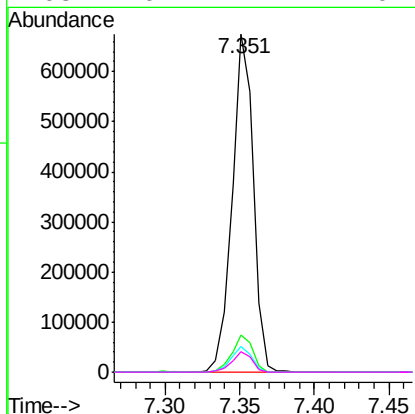
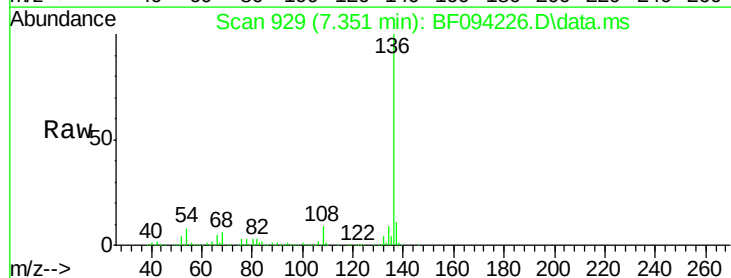
Ion Ratio Lower Upper

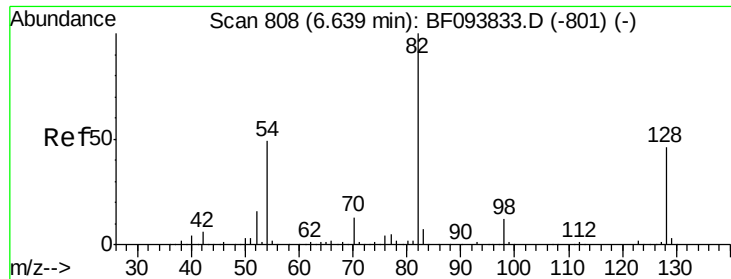
136 100

137 11.0 8.5 12.7

54 7.7 4.9 7.3#

68 6.2 4.1 6.1#

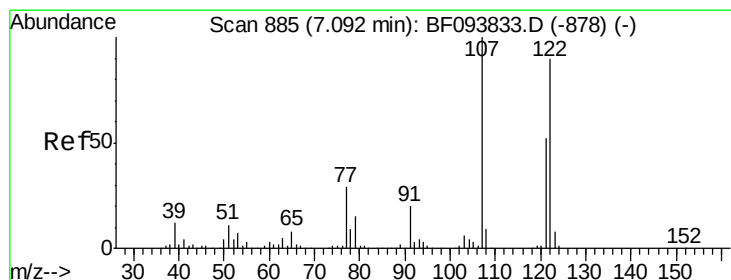
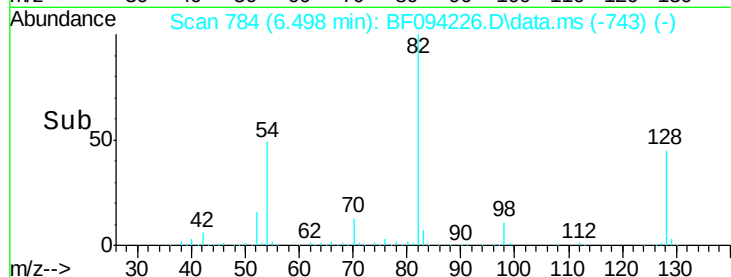
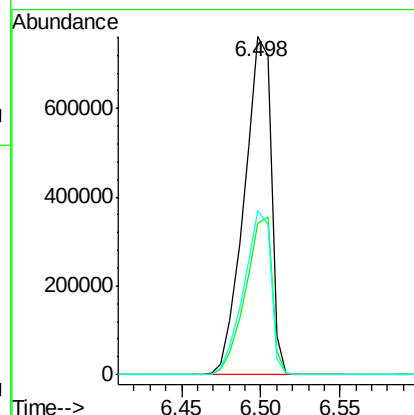
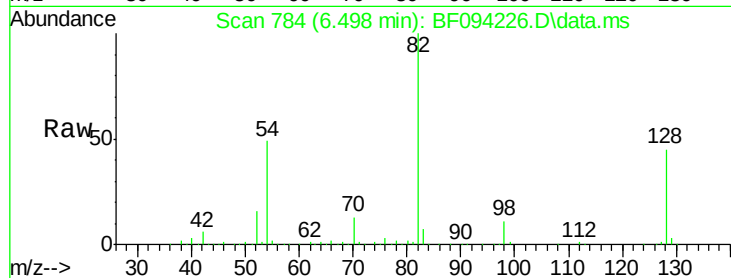




#23
 Nitrobenzene-d5
 Concen: 75.43 ng
 RT: 6.498 min Scan# 78
 Delta R.T. -0.059 min
 Lab File: BF094226.D
 Acq: 6 Apr 2017 14:16

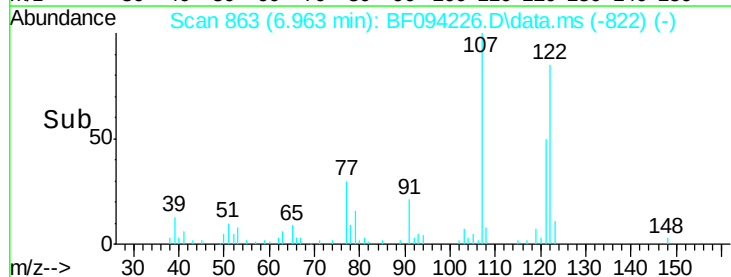
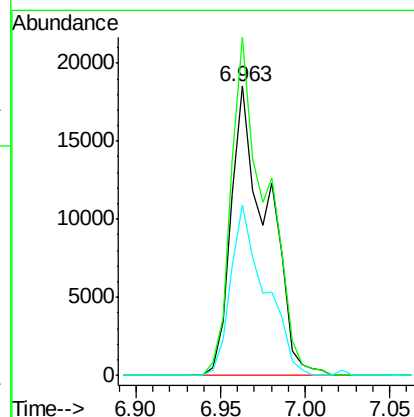
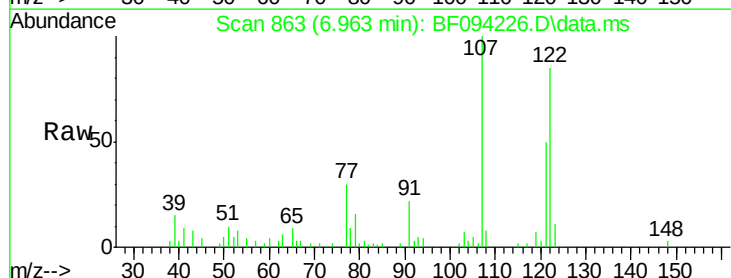
Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-NW

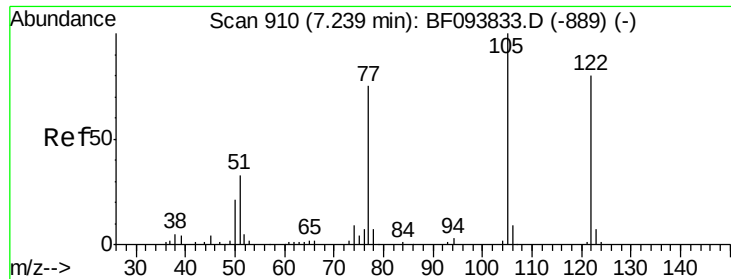
Tot Ion: 82 Resp: 894104
 Ion Ratio Lower Upper
 82 100
 128 44.8 34.0 51.0
 54 48.5 42.2 63.2



#27
 2,4-Dimethylphenol
 Concen: 2.88 ng
 RT: 6.963 min Scan# 863
 Delta R.T. -0.059 min
 Lab File: BF094226.D
 Acq: 6 Apr 2017 14:16

Tgt Ion: 122 Resp: 27698
 Ion Ratio Lower Upper
 122 100
 107 117.0 89.2 133.8
 121 58.8 45.2 67.8





#32

Benzoic acid

Concen: 3.58 ng

RT: 7.110 min Scan# 88

Delta R.T. -0.077 min

Lab File: BF094226.D

Acq: 6 Apr 2017 14:16

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-NW

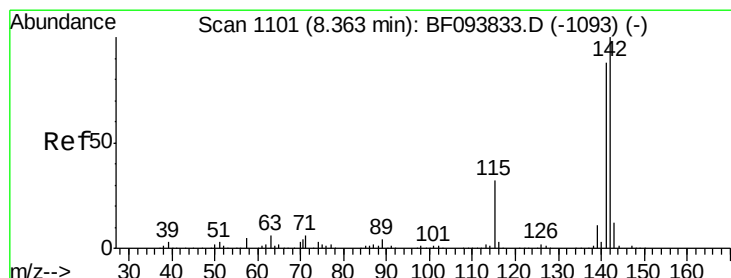
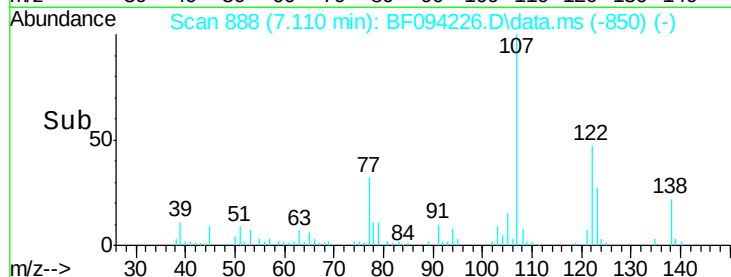
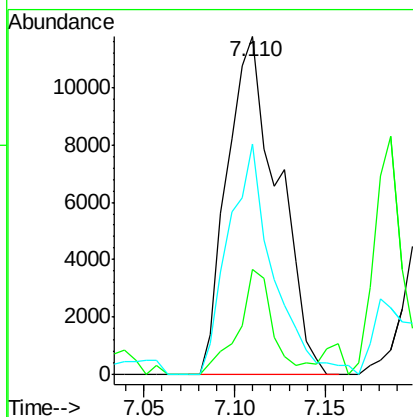
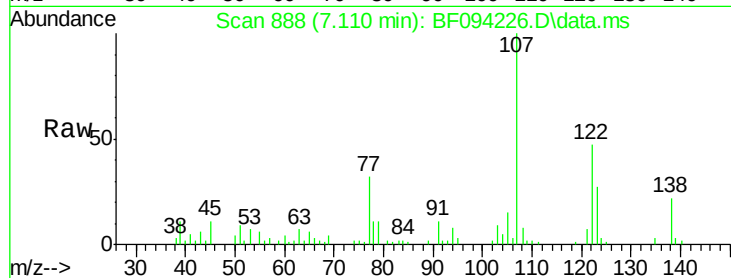
Tot Ion:122 Resp: 22911

Ion Ratio Lower Upper

122 100

105 31.0 103.3 143.3#

77 68.2 73.7 113.7#



#37

2-Methylnaphthalene

Concen: 2.49 ng

RT: 8.222 min Scan# 1077

Delta R.T. -0.053 min

Lab File: BF094226.D

Acq: 6 Apr 2017 14:16

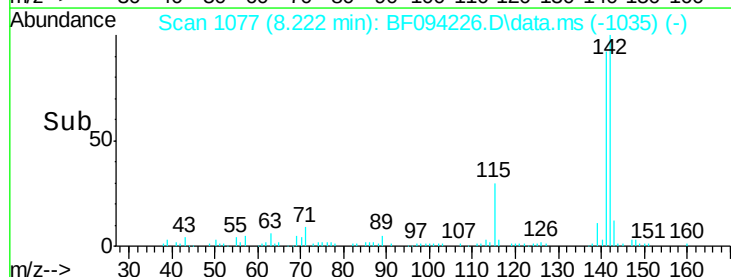
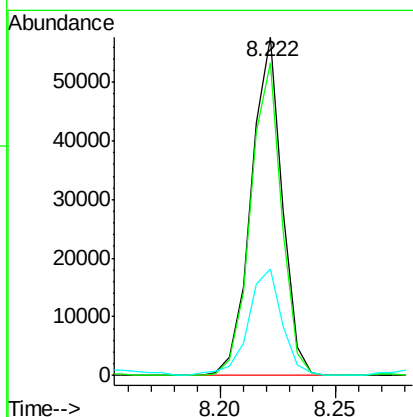
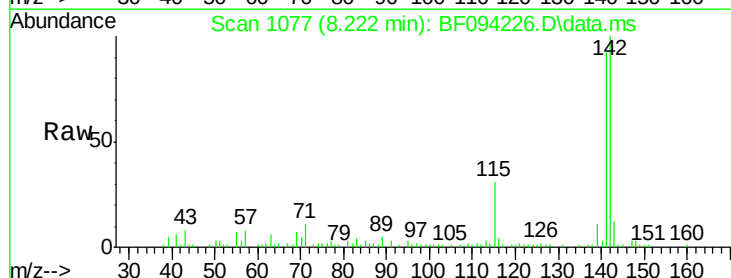
Tgt Ion:142 Resp: 53969

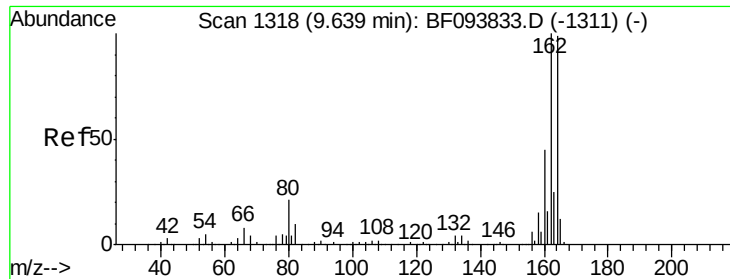
Ion Ratio Lower Upper

142 100

141 92.4 71.3 106.9

115 31.3 27.1 40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.492 min Scan# 12

Delta R.T. -0.059 min

Lab File: BF094226.D

Acq: 6 Apr 2017 14:16

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-NW

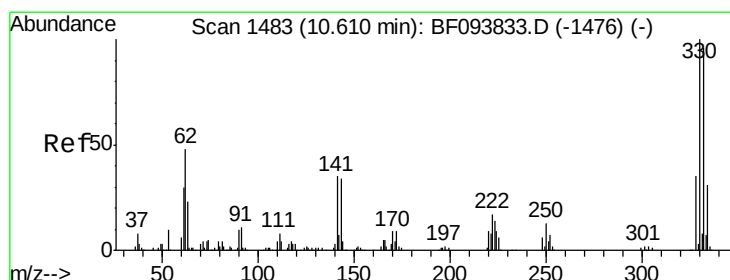
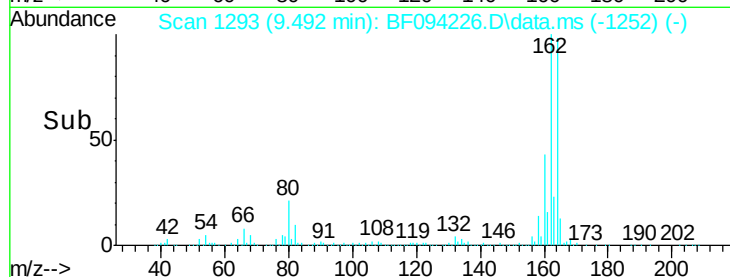
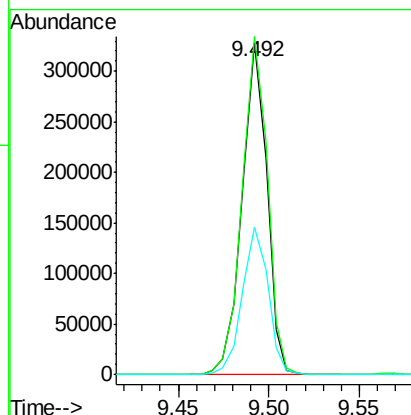
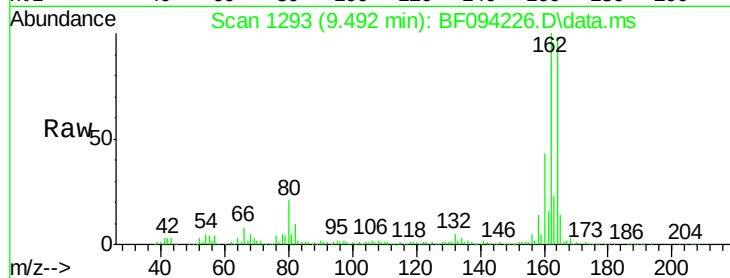
Tot Ion:164 Resp: 313002

Ion Ratio Lower Upper

164 100

162 102.0 82.6 123.8

160 44.3 36.2 54.2



#41

2,4,6-Tribromophenol

Concen: 4.75 ng

RT: 10.463 min Scan# 1458

Delta R.T. -0.059 min

Lab File: BF094226.D

Acq: 6 Apr 2017 14:16

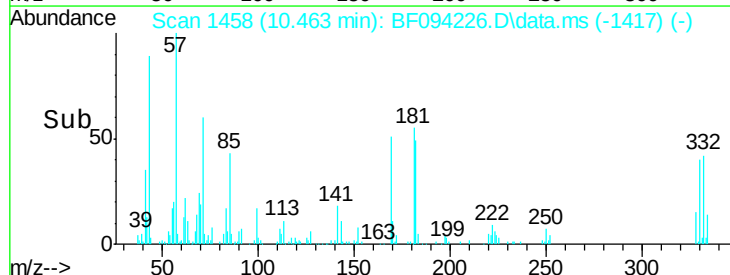
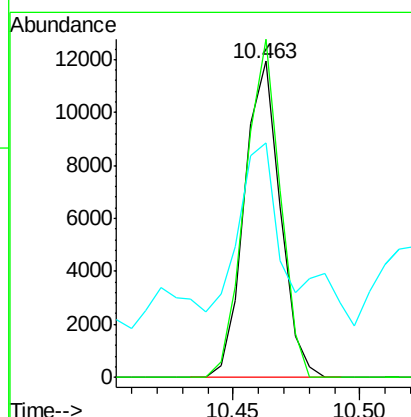
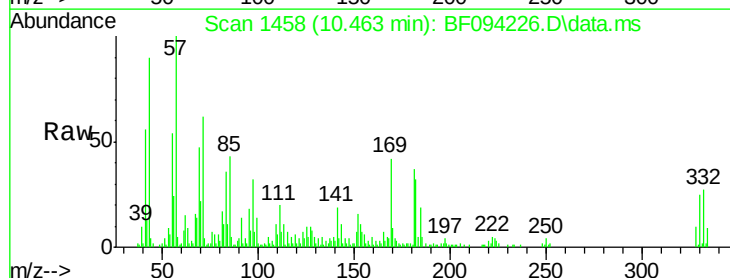
Tgt Ion:330 Resp: 11745

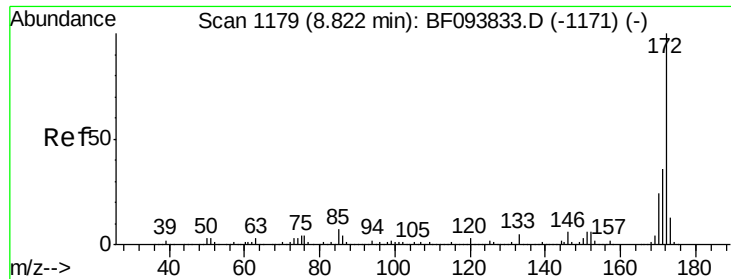
Ion Ratio Lower Upper

330 100

332 104.5 76.6 115.0

141 77.8 31.4 47.2#

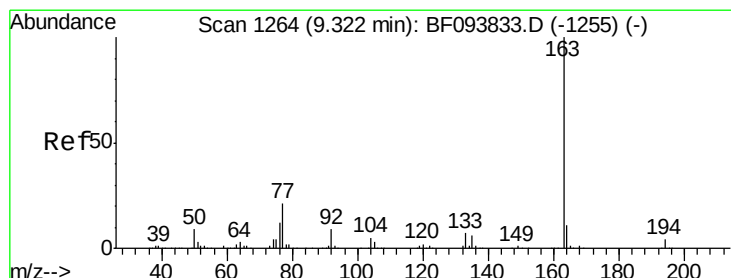
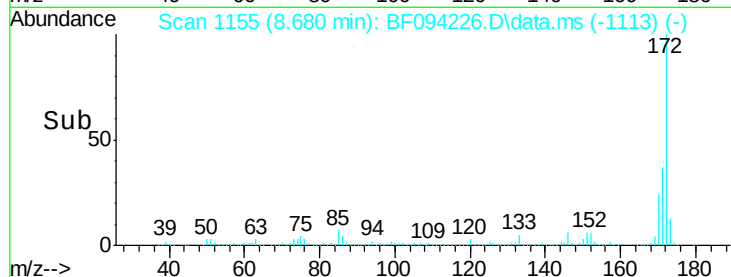
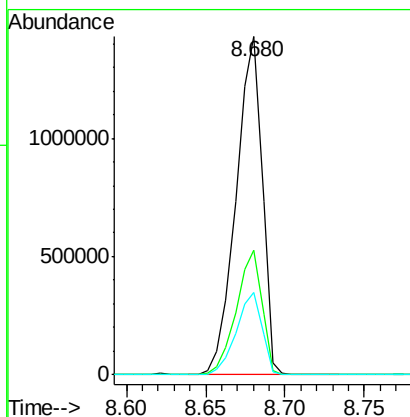
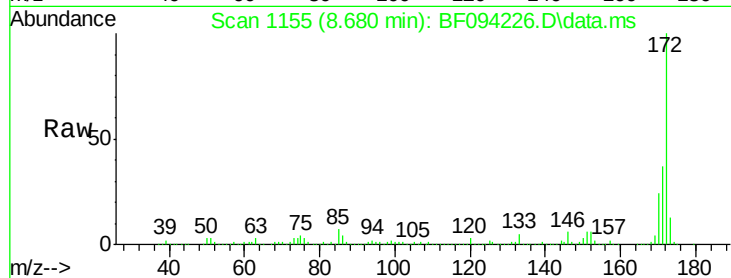




#44
2-Fluorobiphenyl
Concen: 79.25 ng
RT: 8.680 min Scan# 1179
Delta R.T. -0.053 min
Lab File: BF094226.D
Acq: 6 Apr 2017 14:16

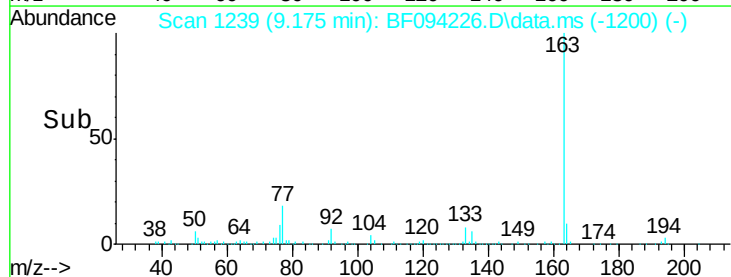
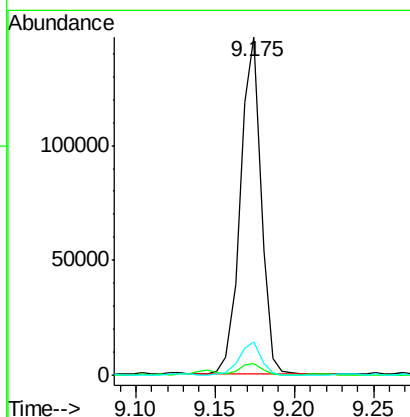
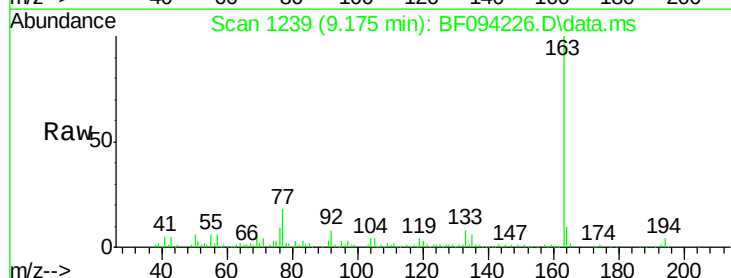
Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-NW

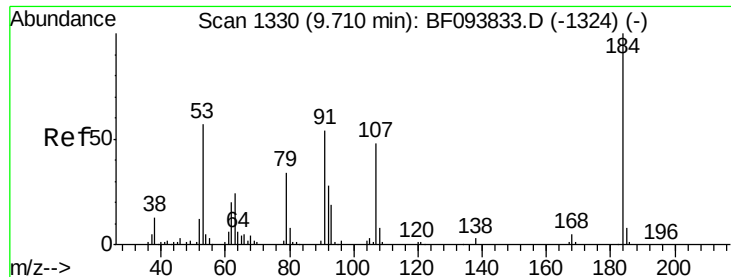
Tot Ion:172 Resp: 1626321
Ion Ratio Lower Upper
172 100
171 36.9 29.6 44.4
170 24.2 19.8 29.8



#49
Dimethylphthalate
Concen: 5.99 ng
RT: 9.175 min Scan# 1239
Delta R.T. -0.071 min
Lab File: BF094226.D
Acq: 6 Apr 2017 14:16

Tgt Ion:163 Resp: 133359
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.9 8.4 12.6





#53

2,4-Dinitrophenol

Concen: 4.75 ng

RT: 9.775 min Scan# 13

Delta R.T. 0.135 min

Lab File: BF094226.D

Acq: 6 Apr 2017 14:16

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-NW

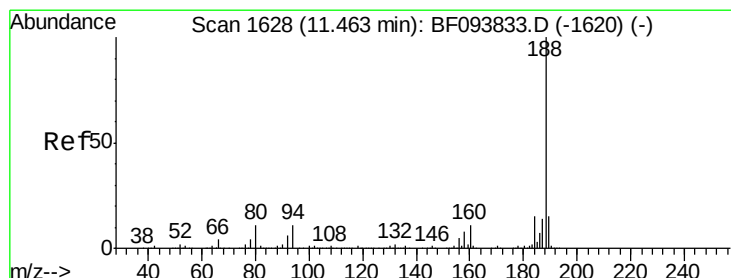
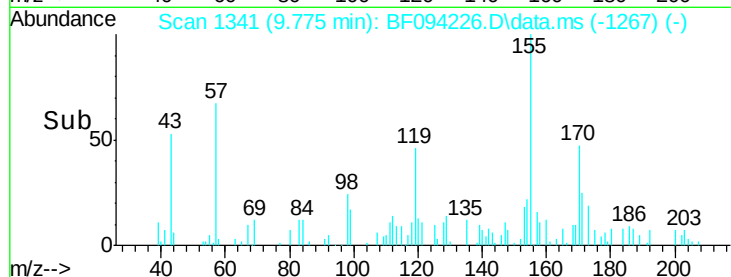
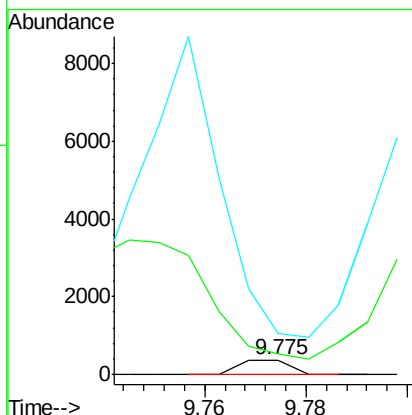
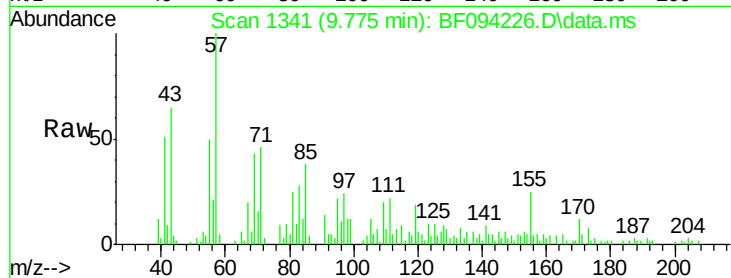
Tot Ion:184 Resp: 258

Ion Ratio Lower Upper

184 100

63 136.1 62.7 94.1#

154 276.3 81.1 121.7#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.316 min Scan# 1603

Delta R.T. -0.059 min

Lab File: BF094226.D

Acq: 6 Apr 2017 14:16

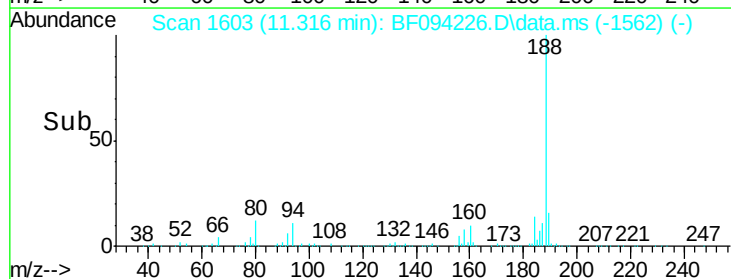
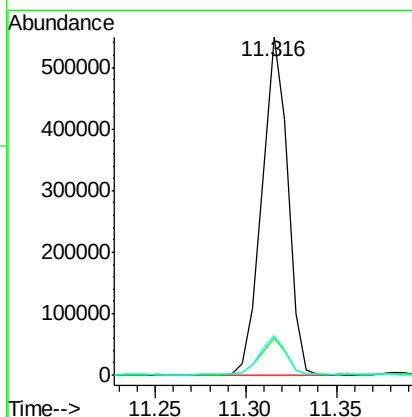
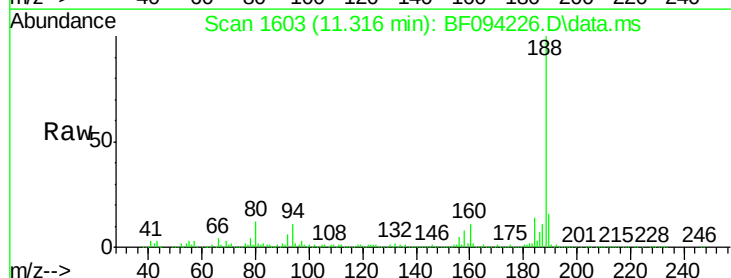
Tgt Ion:188 Resp: 546019

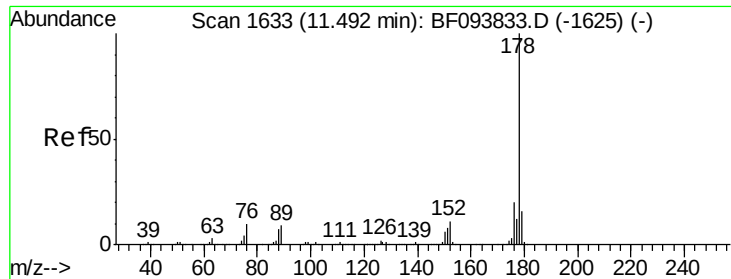
Ion Ratio Lower Upper

188 100

94 11.0 9.4 14.2

80 11.9 10.2 15.2





#70

Phenanthrene

Concen: 8.43 ng

RT: 11.345 min Scan# 1608

Delta R.T. -0.059 min

Lab File: BF094226.D

Acq: 6 Apr 2017 14:16

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-NW

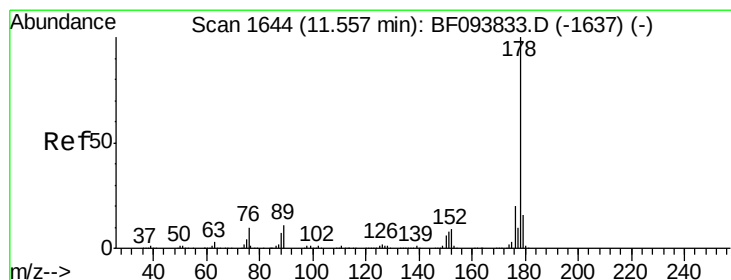
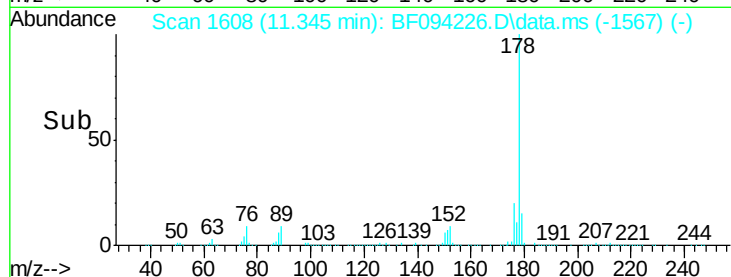
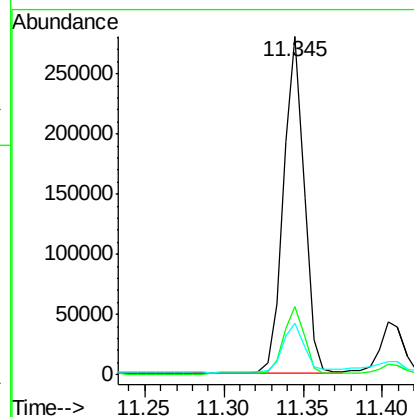
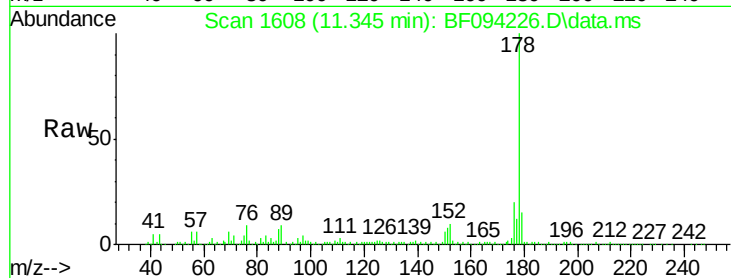
Tot Ion:178 Resp: 255916

Ion Ratio Lower Upper

178 100

176 20.1 16.2 24.4

179 15.2 12.6 19.0



#71

Anthracene

Concen: 8.18 ng

RT: 11.345 min Scan# 1608

Delta R.T. -0.124 min

Lab File: BF094226.D

Acq: 6 Apr 2017 14:16

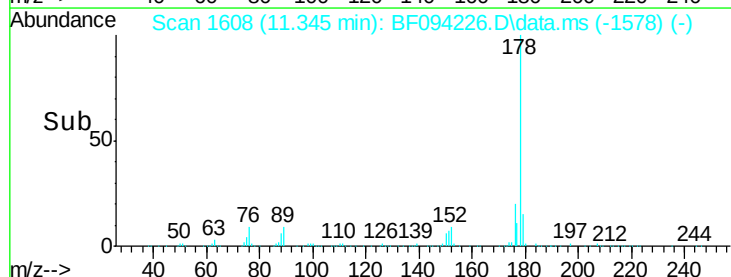
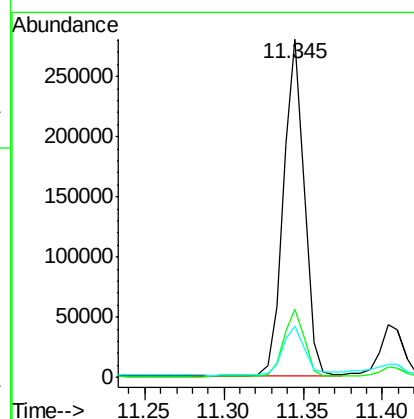
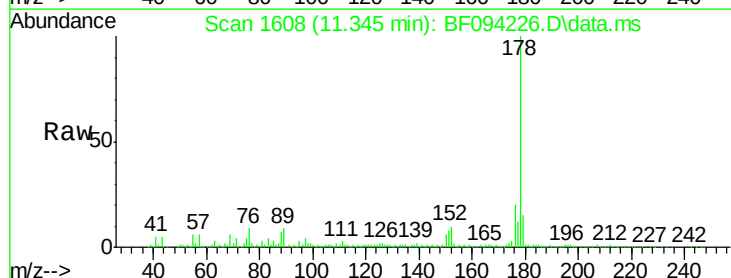
Tgt Ion:178 Resp: 255916

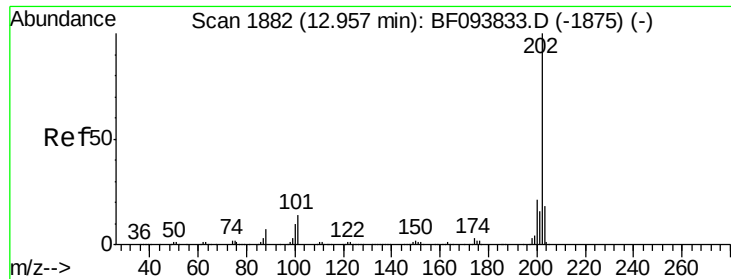
Ion Ratio Lower Upper

178 100

176 20.1 15.8 23.8

179 15.2 12.7 19.1





#74

Fluoranthene

Concen: 5.66 ng

RT: 12.804 min Scan# 18

Delta R.T. -0.065 min

Lab File: BF094226.D

Acq: 6 Apr 2017 14:16

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-NW

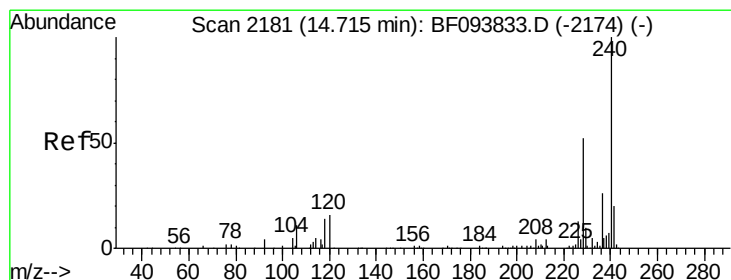
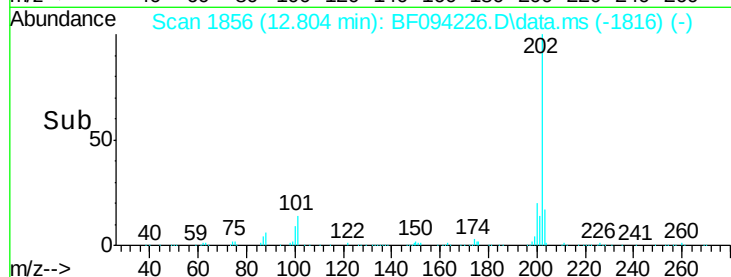
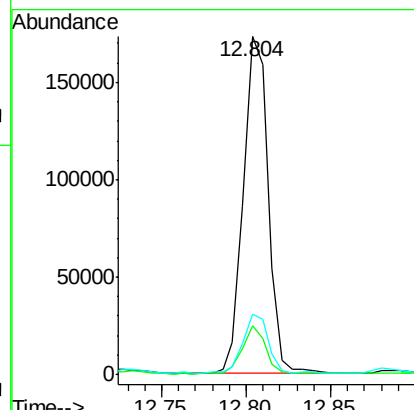
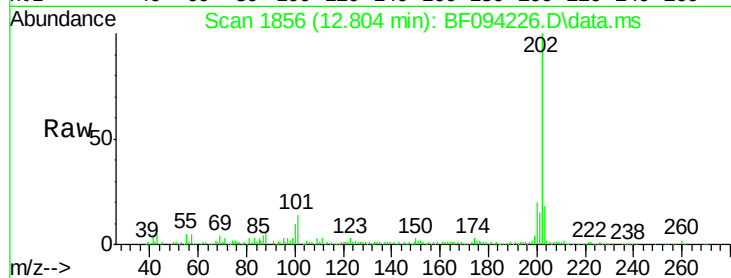
Tot Ion:202 Resp: 176159

Ion Ratio Lower Upper

202 100

101 14.3 0.0 33.2

203 17.7 0.0 38.1



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.562 min Scan# 2155

Delta R.T. -0.065 min

Lab File: BF094226.D

Acq: 6 Apr 2017 14:16

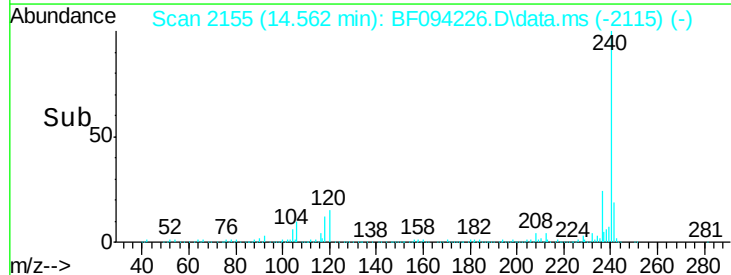
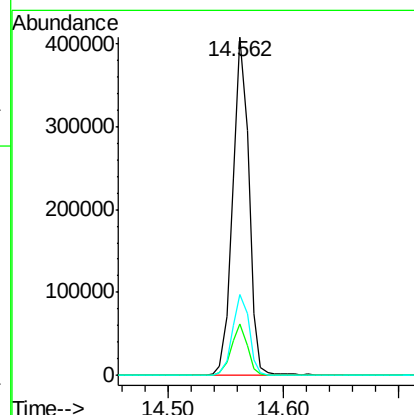
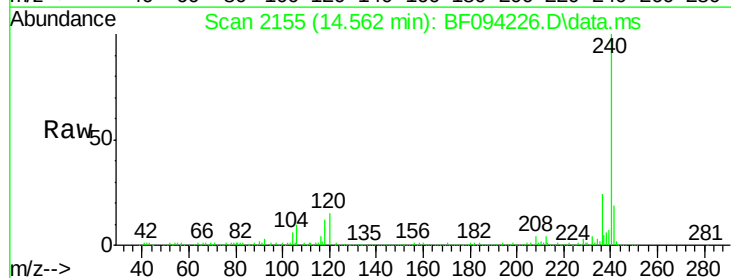
Tgt Ion:240 Resp: 395719

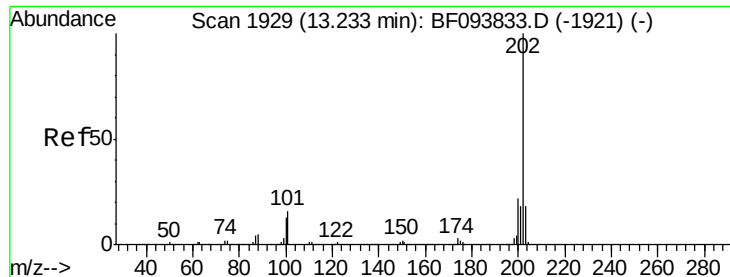
Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

236 23.8 20.5 30.7

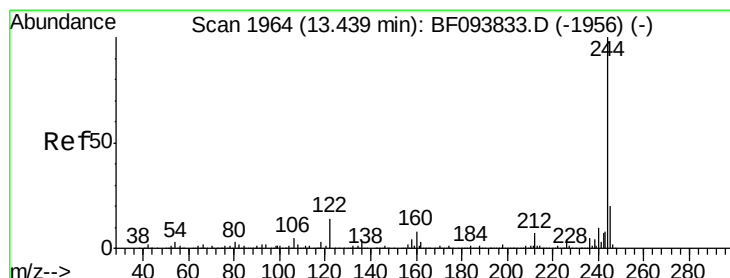
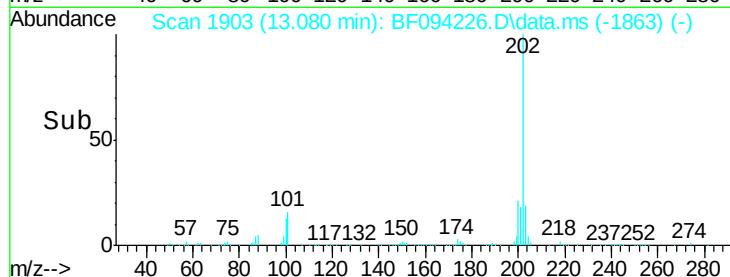
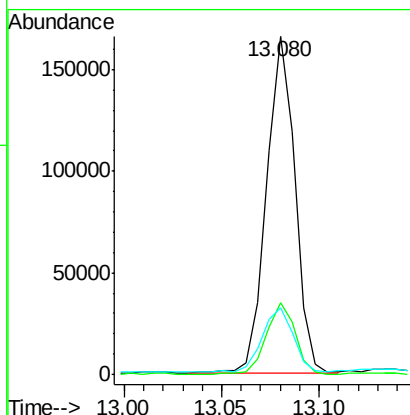
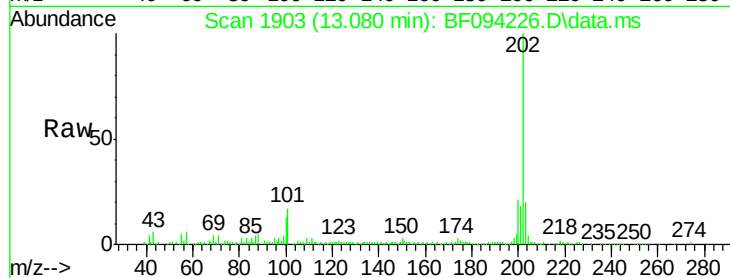




#77
Pvrene
Concen: 5.79 ng
RT: 13.080 min Scan# 1929
Delta R.T. -0.065 min
Lab File: BF094226.D
Acq: 6 Apr 2017 14:16

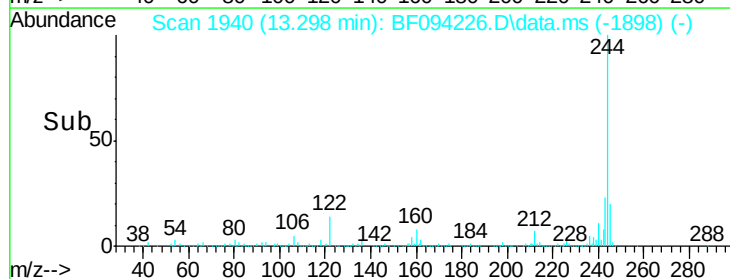
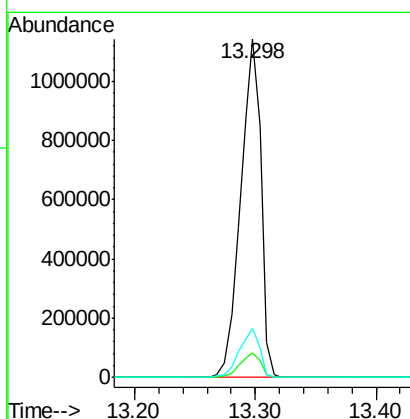
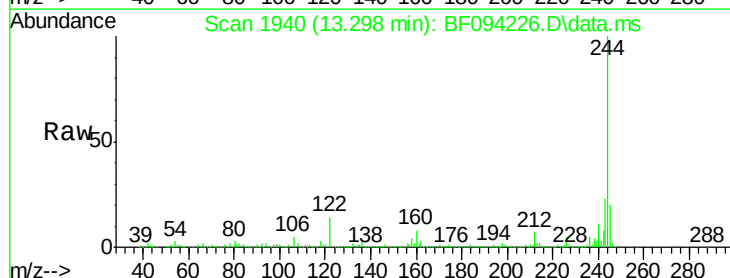
Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-NW

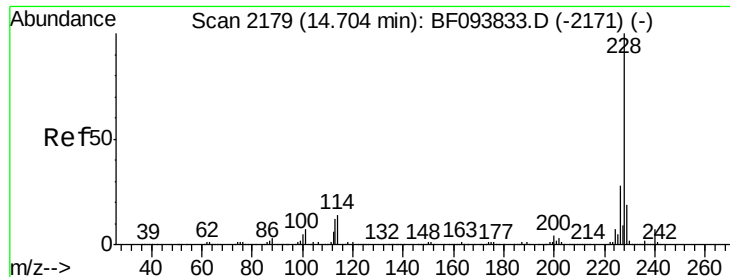
Tot Ion:	202	Resp:	166391
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.6	26.4
203	19.6	14.4	21.6



#78
Terphenyl-d14
Concen: 75.71 ng
RT: 13.298 min Scan# 1940
Delta R.T. -0.053 min
Lab File: BF094226.D
Acq: 6 Apr 2017 14:16

Tgt Ion:	244	Resp:	1336565
Ion Ratio		Lower	Upper
244	100		
212	7.3	6.0	9.0
122	14.3	10.3	15.5

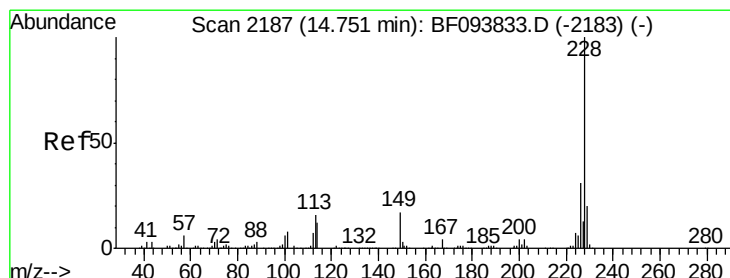
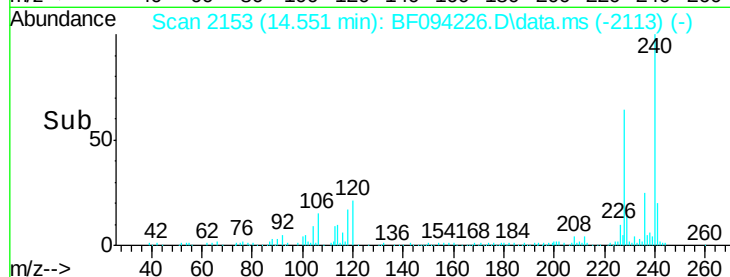
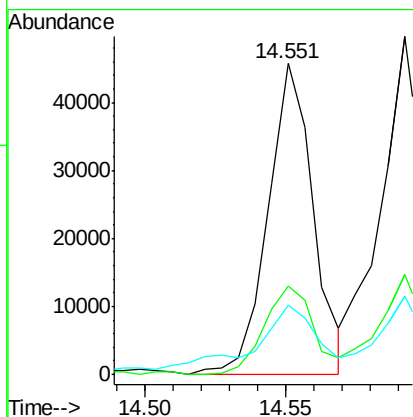
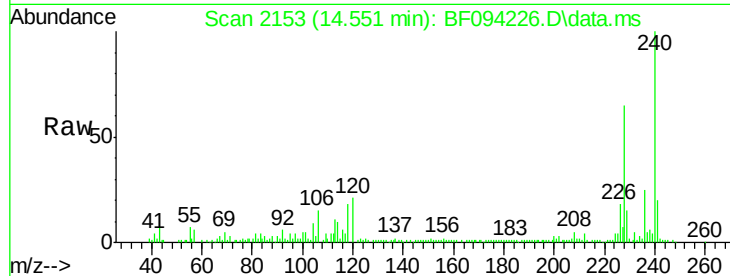




#80
Benzo(a)anthracene
Concen: 2.21 ng
RT: 14.551 min Scan# 2179
Delta R.T. -0.065 min
Lab File: BF094226.D
Acq: 6 Apr 2017 14:16

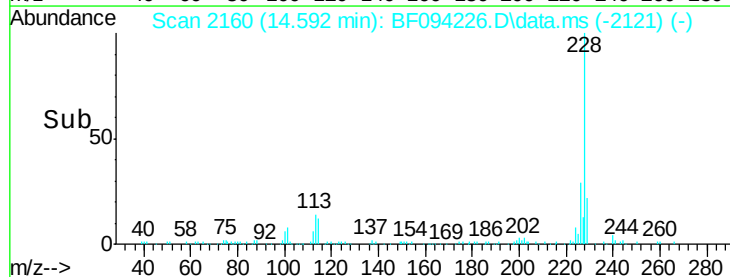
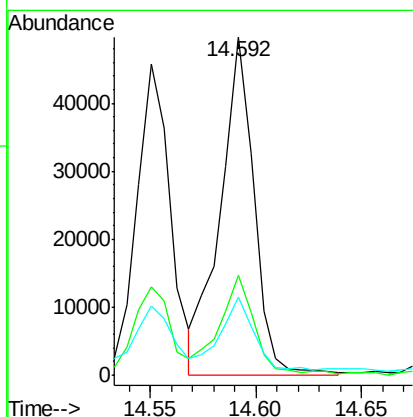
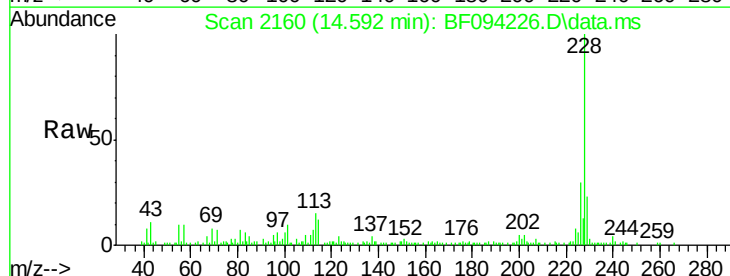
Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-NW

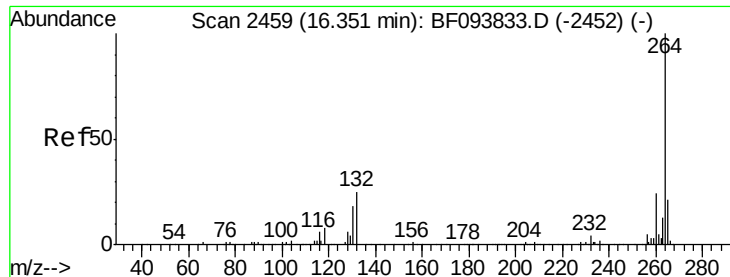
Tot Ion:228 Resp: 50908
Ion Ratio Lower Upper
228 100
226 28.4 22.6 33.8
229 22.5 16.3 24.5



#82
Chrysene
Concen: 2.57 ng
RT: 14.592 min Scan# 2160
Delta R.T. -0.071 min
Lab File: BF094226.D
Acq: 6 Apr 2017 14:16

Tgt Ion:228 Resp: 55021
Ion Ratio Lower Upper
228 100
226 29.6 24.9 37.3
229 23.0 15.8 23.6

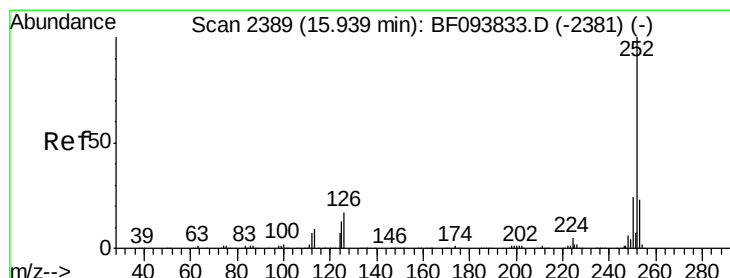
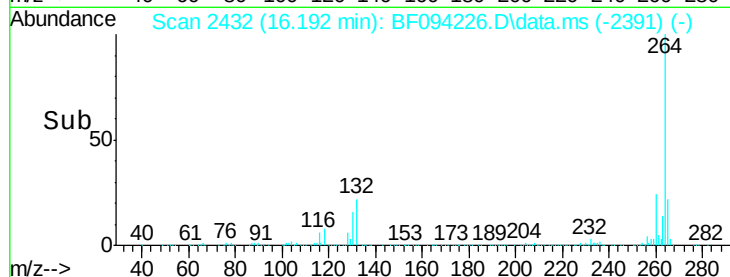
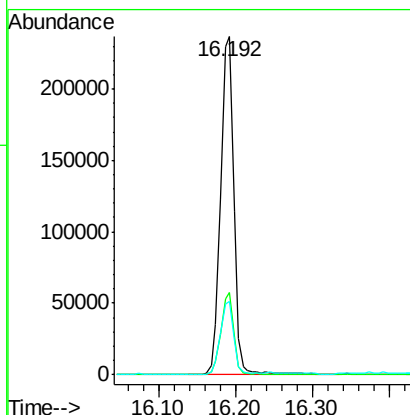
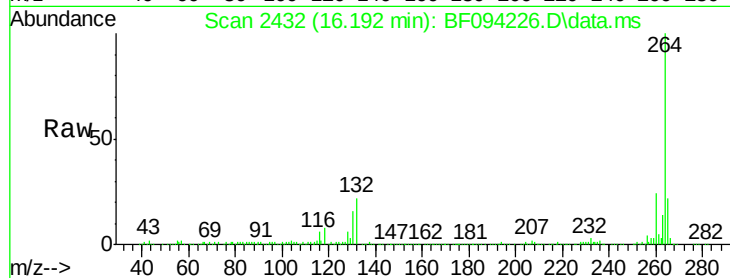




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.192 min Scan# 2459
Delta R.T. -0.059 min
Lab File: BF094226.D
Acq: 6 Apr 2017 14:16

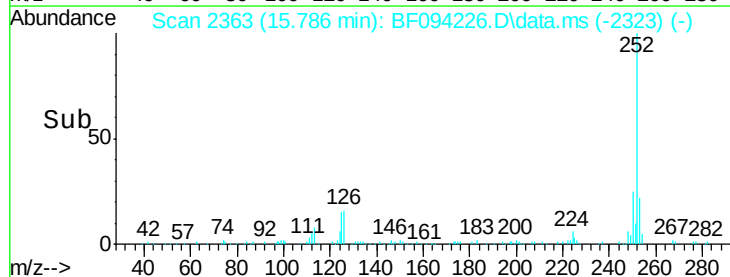
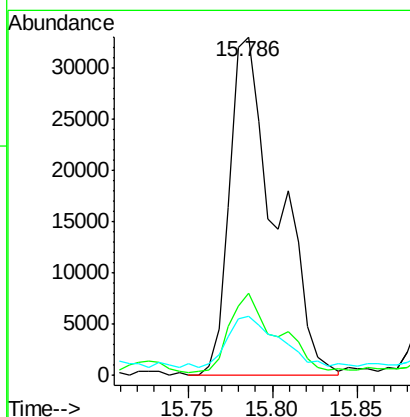
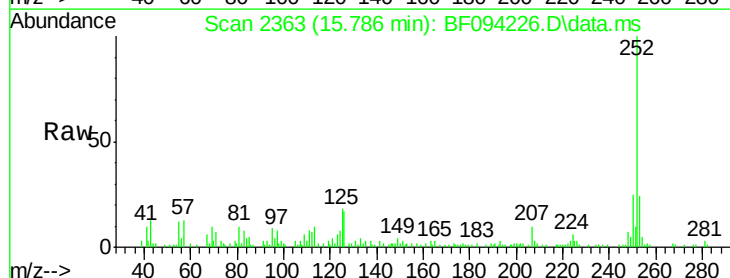
Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-NW

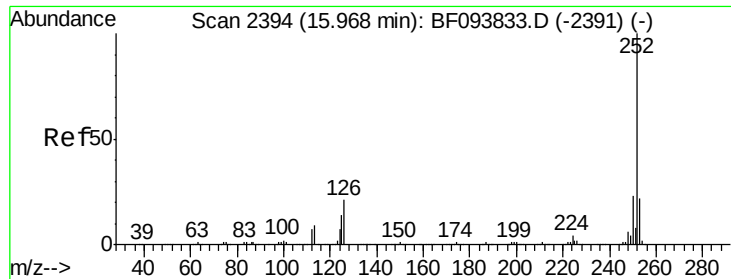
Tot Ion:264 Resp: 280526
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 21.6 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 3.70 ng
RT: 15.786 min Scan# 2363
Delta R.T. -0.065 min
Lab File: BF094226.D
Acq: 6 Apr 2017 14:16

Tgt Ion:252 Resp: 63588
Ion Ratio Lower Upper
252 100
253 24.3 18.1 27.1
125 17.6 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 3.78 ng

RT: 15.786 min Scan# 23

Delta R.T. -0.094 min

Lab File: BF094226.D

Acq: 6 Apr 2017 14:16

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-NW

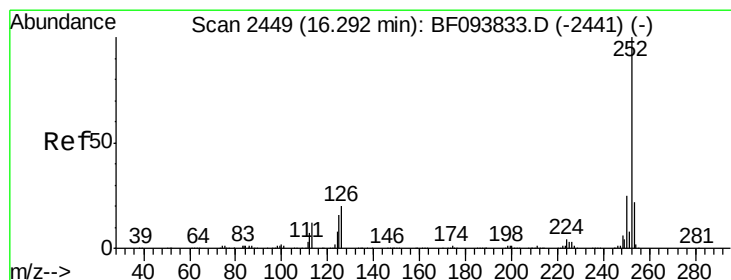
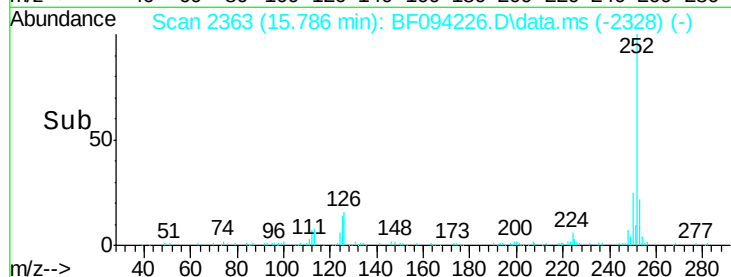
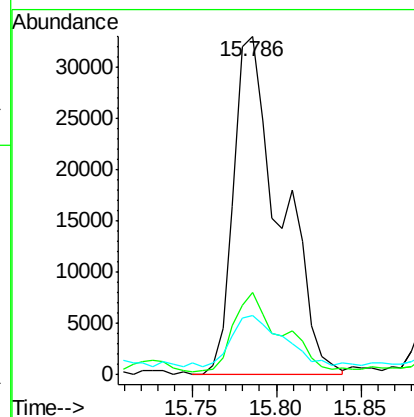
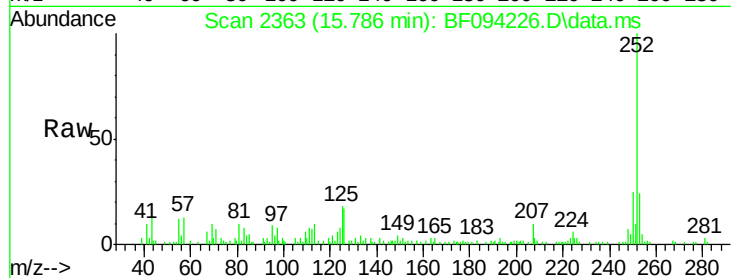
Tot Ion:252 Resp: 63588

Ion Ratio Lower Upper

252 100

253 24.3 18.4 27.6

125 17.6 13.1 19.7



#89

Benzo(a)pyrene

Concen: 2.07 ng

RT: 16.127 min Scan# 2421

Delta R.T. -0.071 min

Lab File: BF094226.D

Acq: 6 Apr 2017 14:16

Tgt Ion:252 Resp: 32708

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 16.4 11.0 16.4#

