

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071317\
 Data File : BF096763.D
 Acq On : 14 Jul 2017 7:51
 Operator : SJ/JU
 Sample : I4172-08
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-15

Quant Time: Jul 14 08:20:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

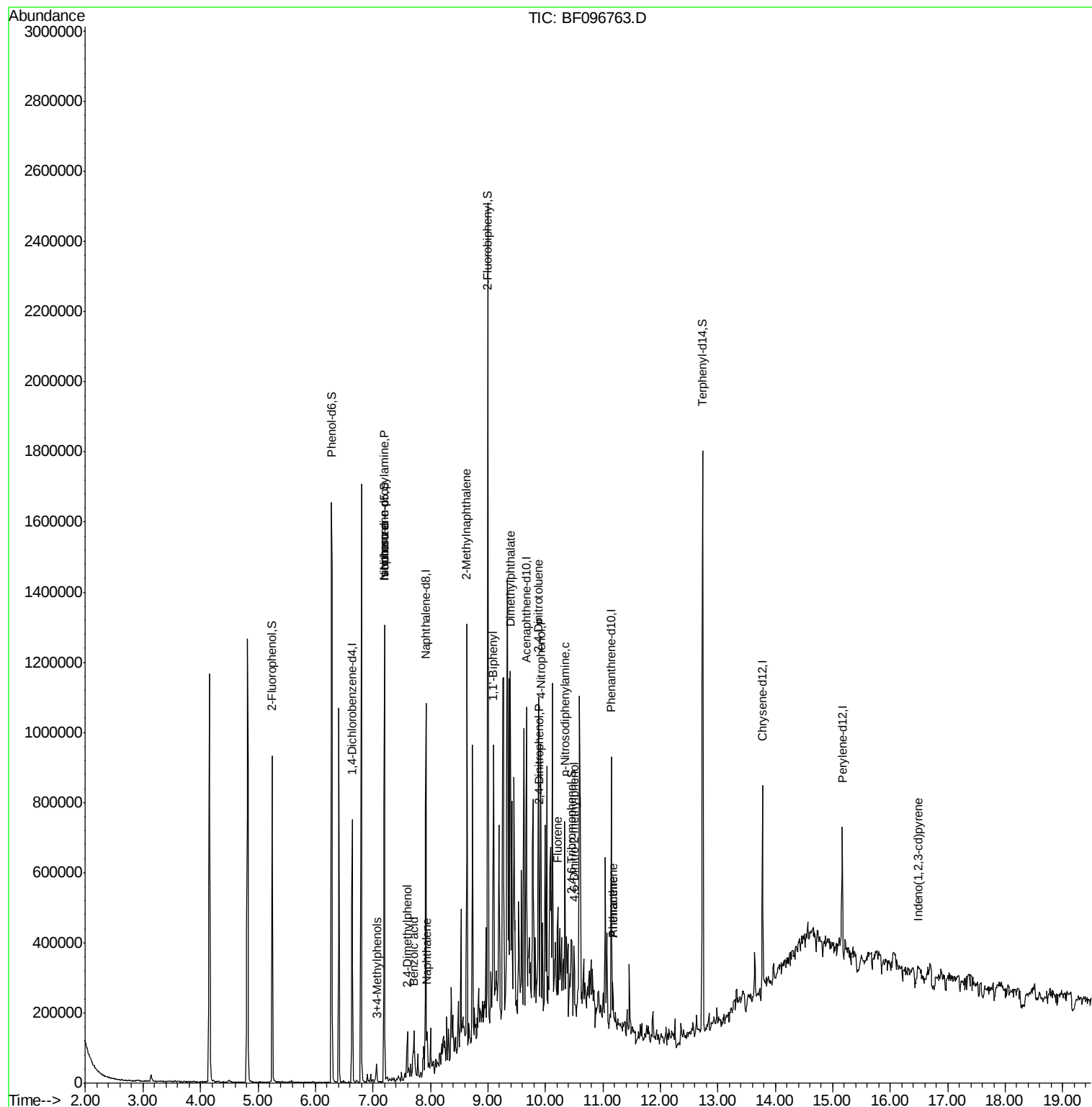
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	103861	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	417906	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	151632	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	242857	20.00	ng	0.00
75) Chrysene-d12	13.78	240	205054	20.00	ng	0.00
86) Perylene-d12	15.16	264	138373	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	246002	35.61	ng	0.01
7) Phenol-d6	6.28	99	544622	65.70	ng	0.00
23) Nitrobenzene-d5	7.20	82	406818	60.30	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	5885	4.55	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	700130	72.95	ng	0.00
78) Terphenyl-d14	12.73	244	537652	45.47	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	54191	10.85	ng	# 89
20) 3+4-Methylphenols	7.06	107	14924	2.12	ng	# 62
25) Isophorone	7.20	82	399597	31.84	ng	# 67
27) 2,4-Dimethylphenol	7.60	122	30253	4.74	ng	# 89
31) Naphthalene	7.94	128	47539	2.40	ng	# 99
32) Benzoic acid	7.72	122	33151	8.13	ng	# 11
37) 2-Methylnaphthalene	8.63	142	332764	26.37	ng	# 97
45) 1,1'-Biphenyl	9.10	154	31698	2.44	ng	# 95
49) Dimethylphthalate	9.39	163	100375	8.79	ng	# 92
53) 2,4-Dinitrophenol	9.89	184	130	6.84	ng	# 1
55) 4-Nitrophenol	9.92	139	8599	4.02	ng	# 77
56) 2,4-Dinitrotoluene	9.88	165	9454	2.97	ng	# 49
57) Fluorene	10.22	166	20354	2.18	ng	# 74
60) 4-Chlorophenyl-phenylether	10.23	204	249	Below Cal	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.49	198	4107	2.69	ng	# 96
65) n-Nitrosodiphenylamine	10.33	169	55916	6.44	ng	# 39
70) Phenanthrene	11.17	178	38466	2.91	ng	# 97
71) Anthracene	11.17	178	38466	2.88	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.47	276	2101	3.50	ng	# 45

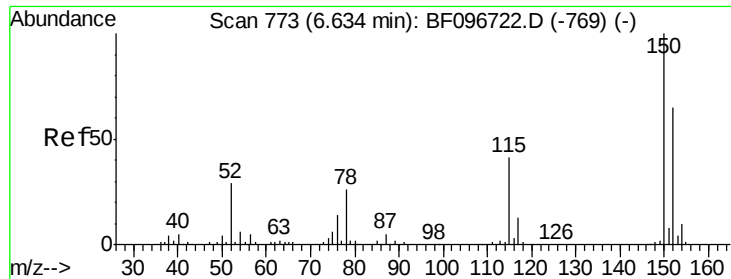
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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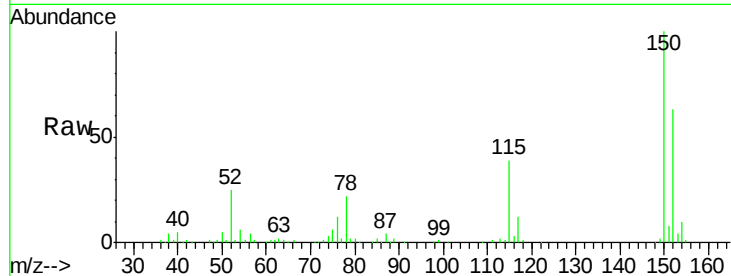


#1

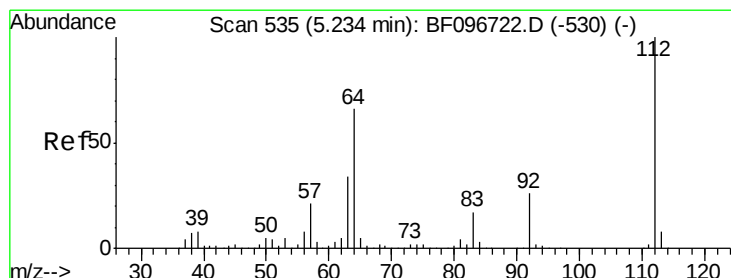
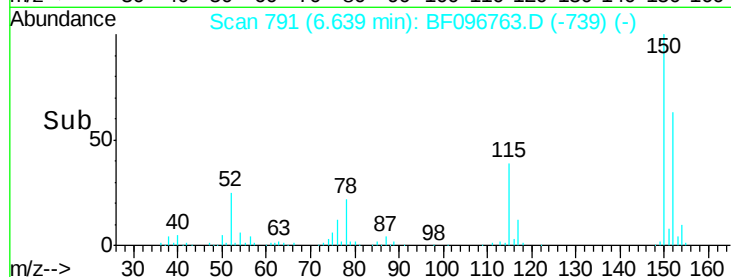
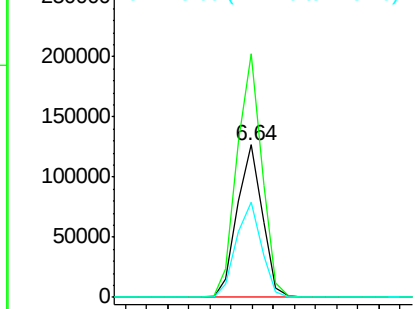
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.64 min Scan# 791
Delta R.T. 0.01 min
Lab File: BF096763.D
Acq: 14 Jul 2017 7:51

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-15

Tot Ion:152 Resp: 103861
Ion Ratio Lower Upper
152 100
150 159.4 126.2 189.2
115 62.3 52.2 78.2



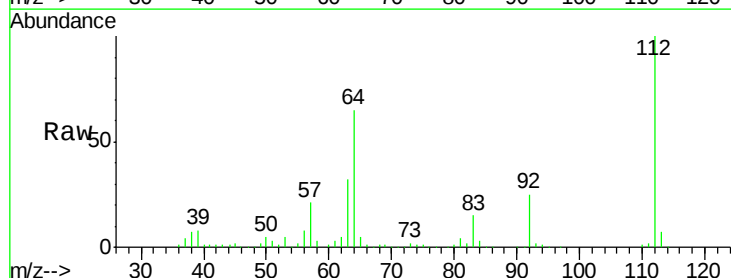
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



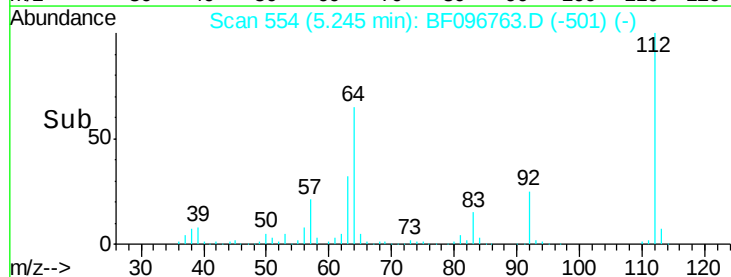
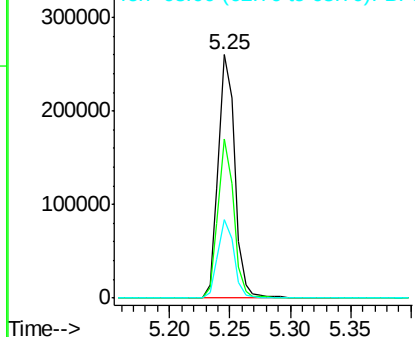
#5

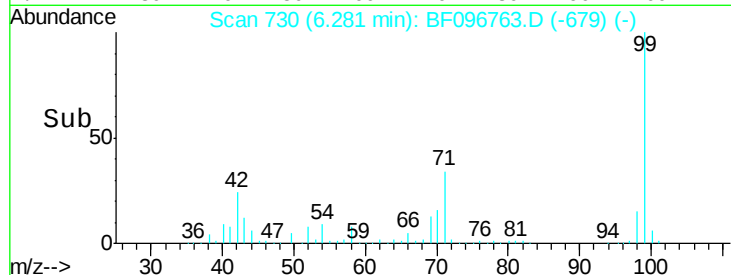
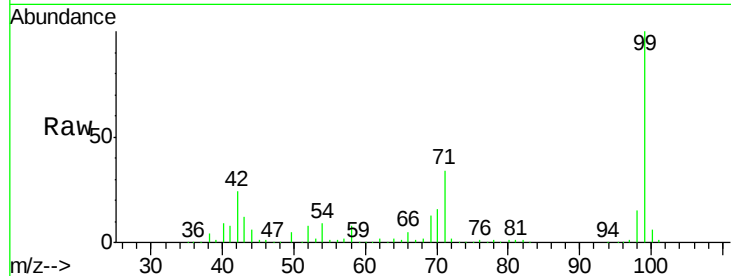
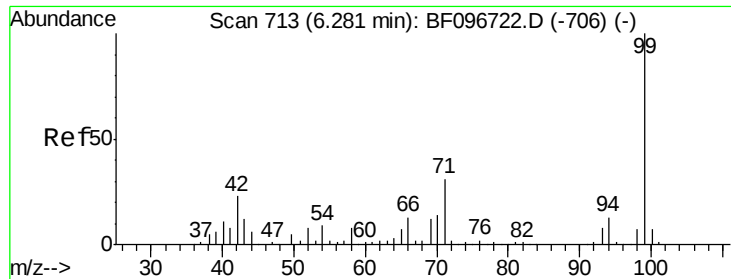
2-Fluorophenol
Concen: 35.61 ng
RT: 5.25 min Scan# 554
Delta R.T. 0.01 min
Lab File: BF096763.D
Acq: 14 Jul 2017 7:51

Tgt Ion:112 Resp: 246002
Ion Ratio Lower Upper
112 100
64 65.5 46.0 69.0
63 32.3 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: 65.70 ng

RT: 6.28 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF096763.D

Acq: 14 Jul 2017 7:51

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-BATCH-15

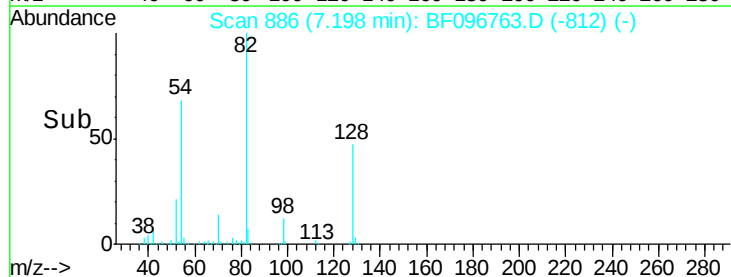
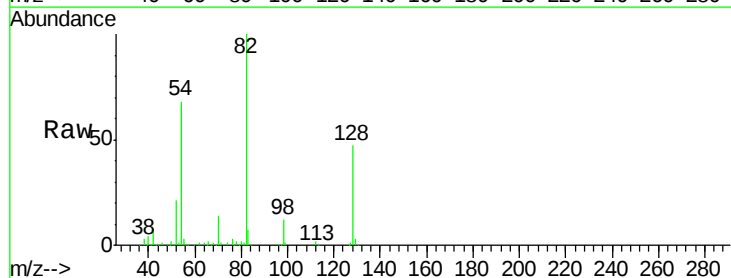
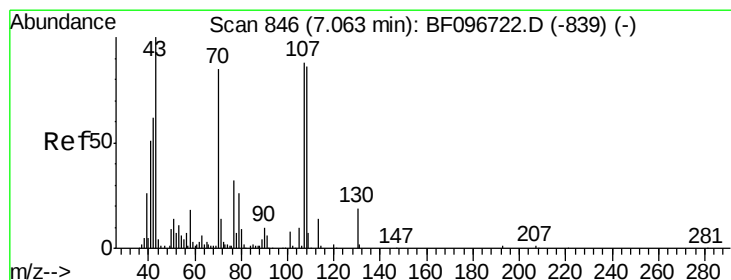
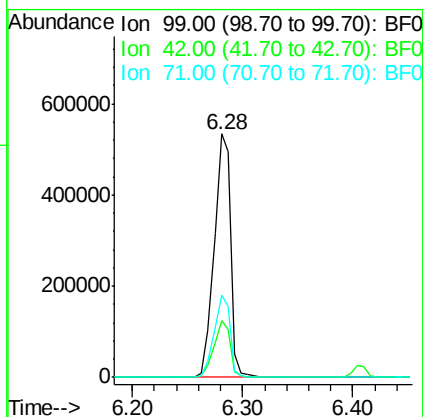
Tot Ion: 99 Resp: 544622

Ion Ratio Lower Upper

99 100

42 23.6 13.5 20.3#

71 33.9 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 10.85 ng

RT: 7.20 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF096763.D

Acq: 14 Jul 2017 7:51

Tgt Ion: 70 Resp: 54191

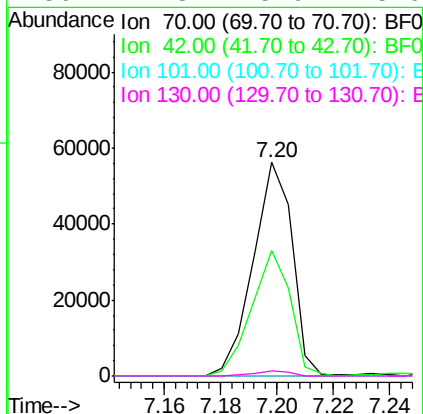
Ion Ratio Lower Upper

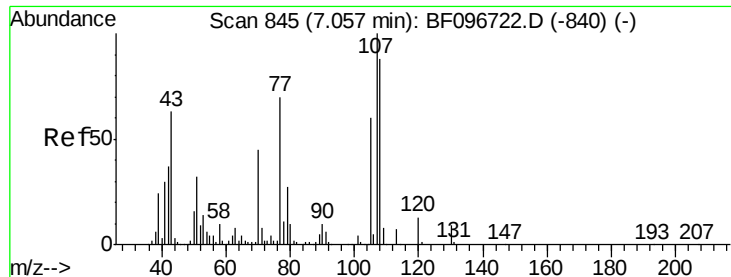
70 100

42 59.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#





#20

3+4-Methylphenols

Concen: 2.12 ng

RT: 7.06 min Scan# 863

Delta R.T. 0.01 min

Lab File: BF096763.D

Acq: 14 Jul 2017 7:51

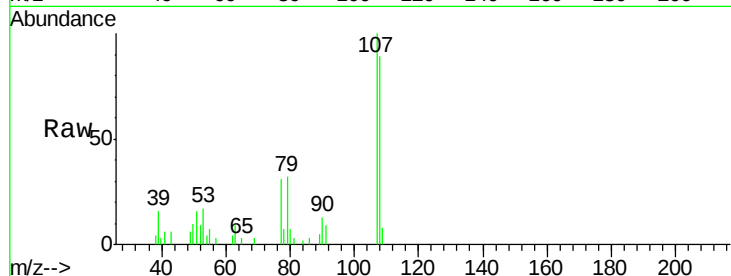
Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-BATCH-15

Tot Ion:	107	Resp:	14924
Ion	Ratio	Lower	Upper
107	100		
108	88.7	71.0	111.0
77	30.7	90.5	130.5#
79	32.4	8.4	48.4

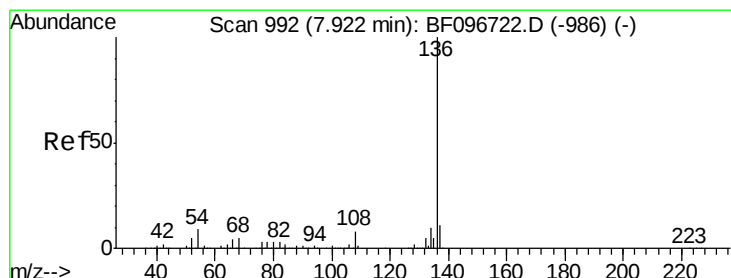
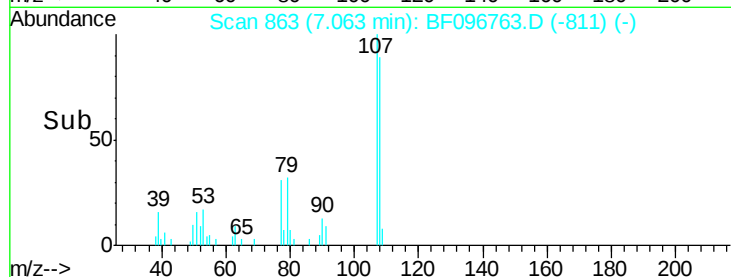
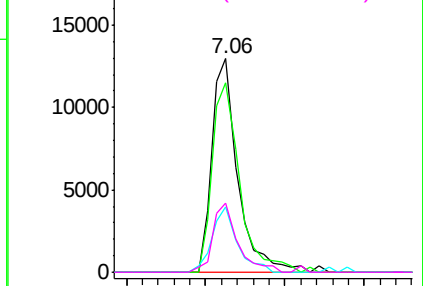


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

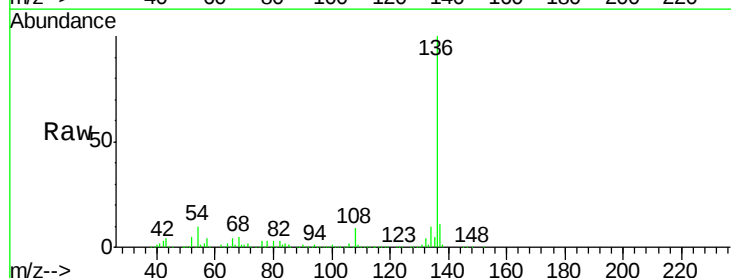
RT: 7.92 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF096763.D

Acq: 14 Jul 2017 7:51

Tgt Ion:	136	Resp:	417906
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	10.3	4.9	7.3#
68	4.9	4.1	6.1

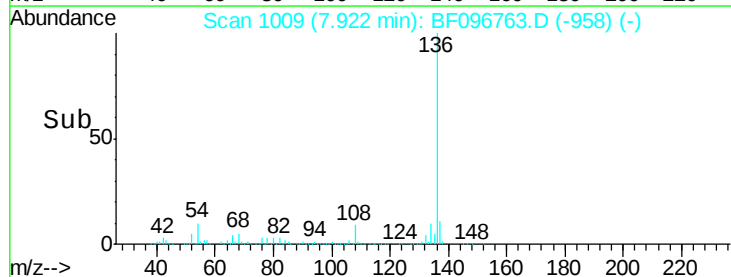
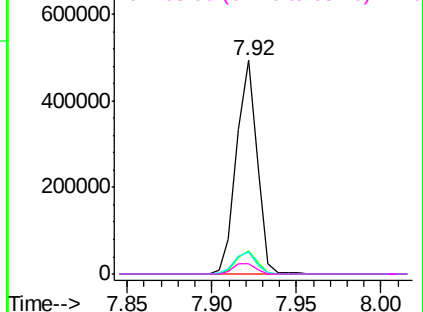


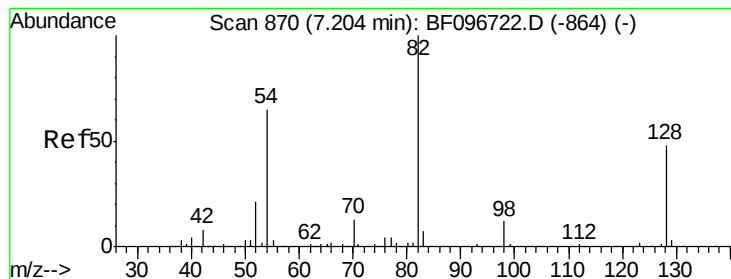
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 60.30 ng

RT: 7.20 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF096763.D

Acq: 14 Jul 2017 7:51

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-BATCH-15

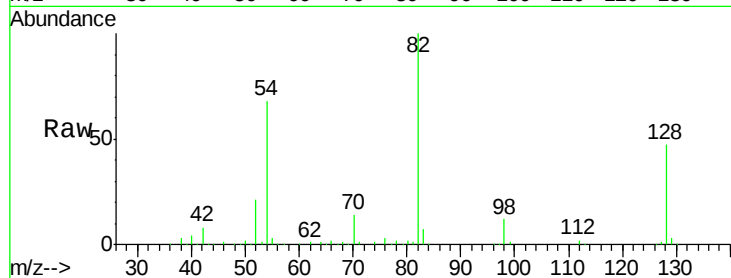
Tot Ion: 82 Resp: 406818

Ion Ratio Lower Upper

82 100

128 47.0 34.0 51.0

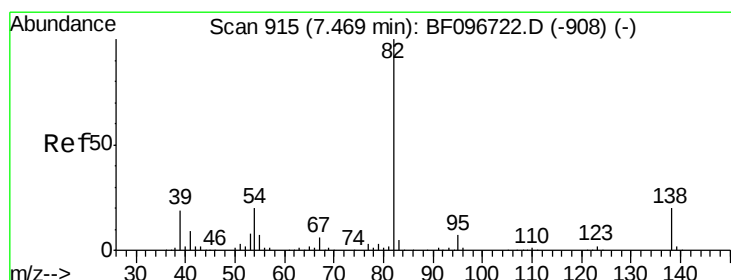
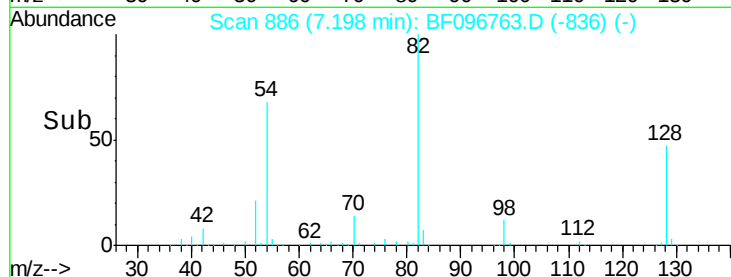
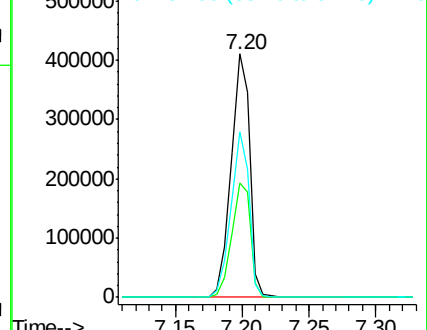
54 68.2 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 31.84 ng

RT: 7.20 min Scan# 886

Delta R.T. -0.27 min

Lab File: BF096763.D

Acq: 14 Jul 2017 7:51

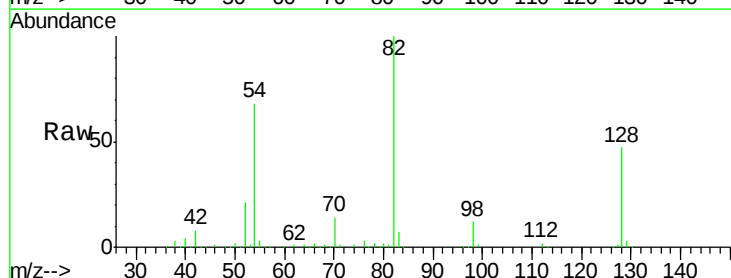
Tgt Ion: 82 Resp: 399597

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

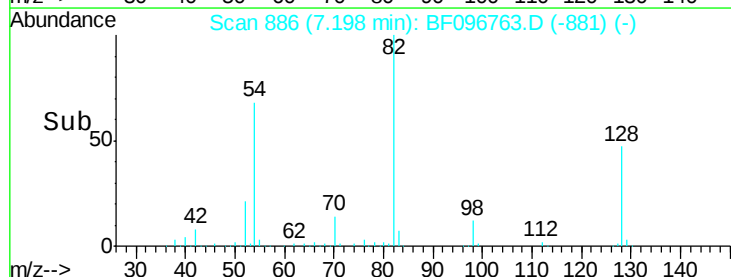
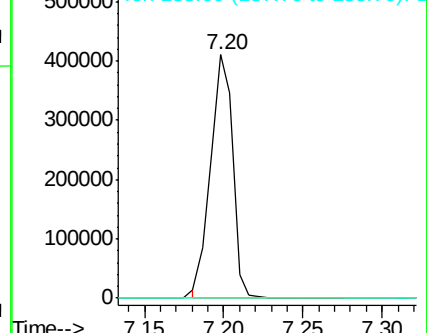
138 0.0 13.1 19.7#

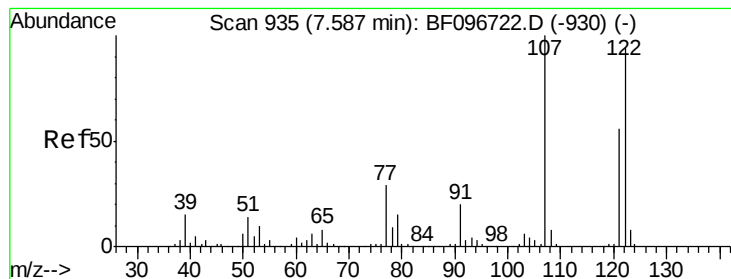


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#27

2,4-Dimethylphenol

Concen: 4.74 ng

RT: 7.60 min Scan# 954

Delta R.T. 0.01 min

Lab File: BF096763.D

Acq: 14 Jul 2017 7:51

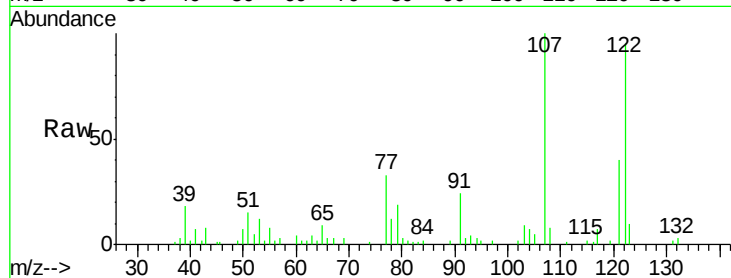
Instrument :

BNA_F

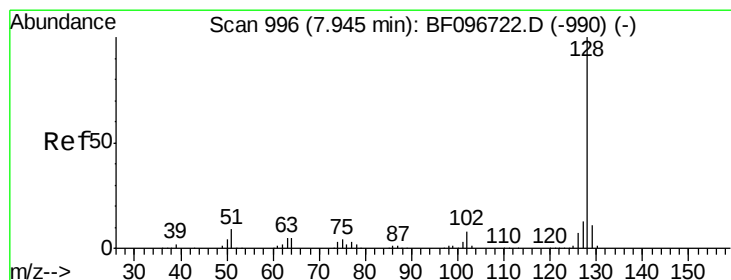
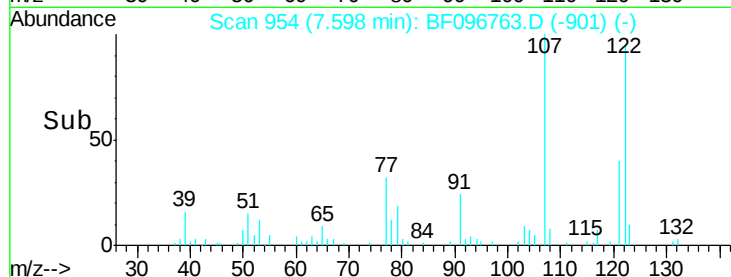
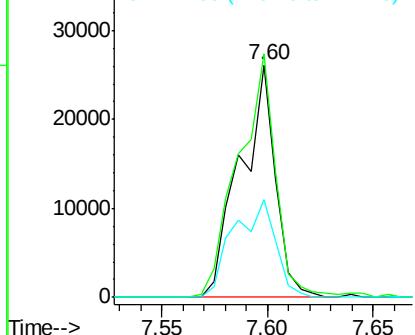
ClientSampleId :

E2-CONCRETE-BATCH-15

Tot Ion:122 Resp: 30253
 Ion Ratio Lower Upper
 122 100
 107 104.7 89.2 133.8
 121 42.0 45.2 67.8#



Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 2.40 ng

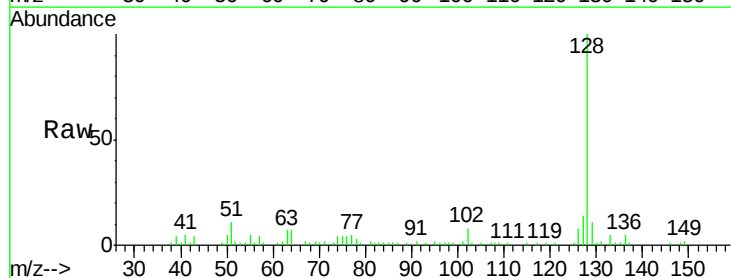
RT: 7.94 min Scan# 1012

Delta R.T. -0.01 min

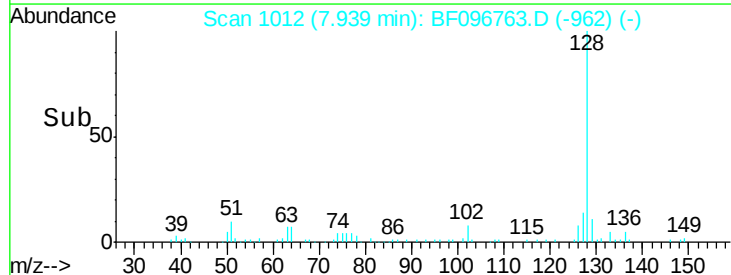
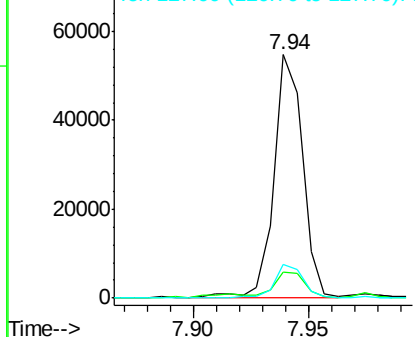
Lab File: BF096763.D

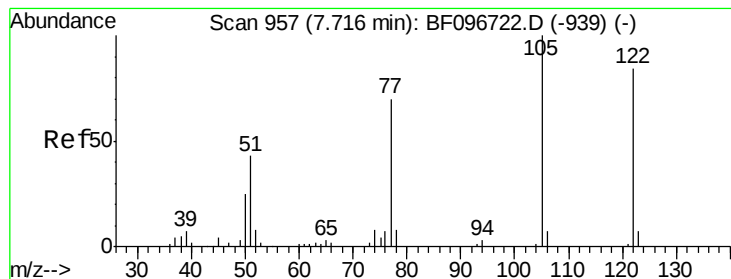
Acq: 14 Jul 2017 7:51

Tgt Ion:128 Resp: 47539
 Ion Ratio Lower Upper
 128 100
 129 10.8 9.0 13.6
 127 13.9 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





#32

Benzoic acid

Concen: 8.13 ng

RT: 7.72 min Scan# 974

Delta R.T. -0.00 min

Lab File: BF096763.D

Acq: 14 Jul 2017 7:51

Instrument :

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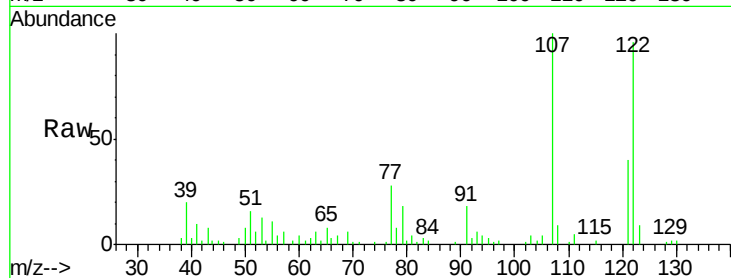
Tot Ion:122 Resp: 33151

Ion Ratio Lower Upper

122 100

105 4.2 103.3 143.3#

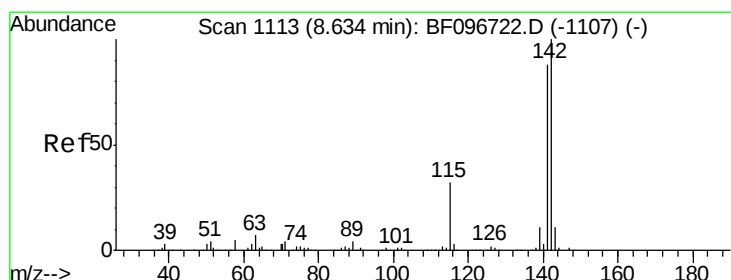
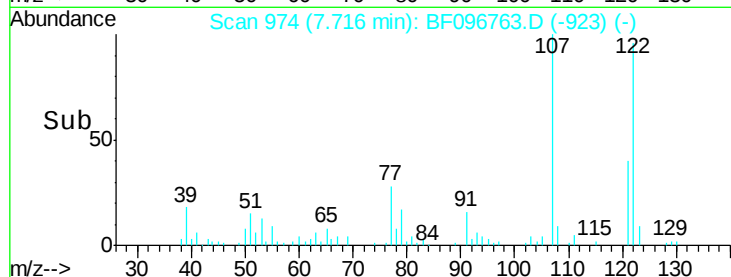
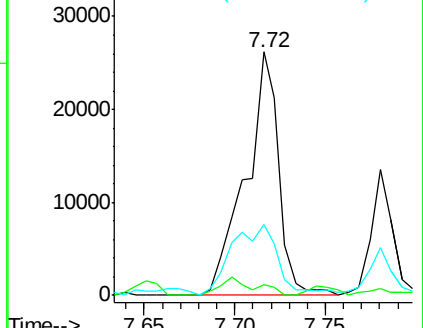
77 29.3 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#37

2-Methylnaphthalene

Concen: 26.37 ng

RT: 8.63 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BF096763.D

Acq: 14 Jul 2017 7:51

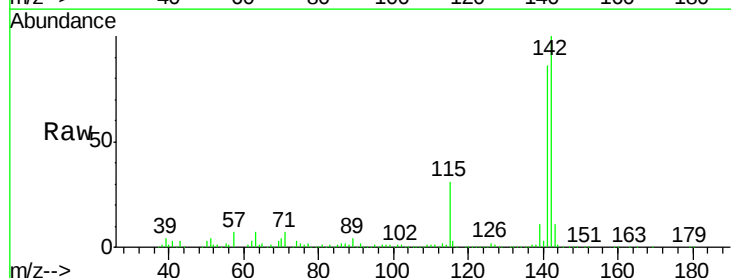
Tgt Ion:142 Resp: 332764

Ion Ratio Lower Upper

142 100

141 86.5 71.3 106.9

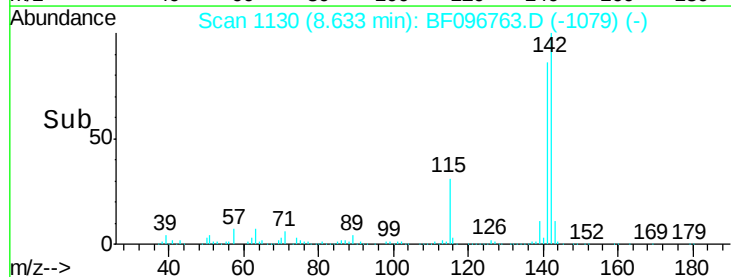
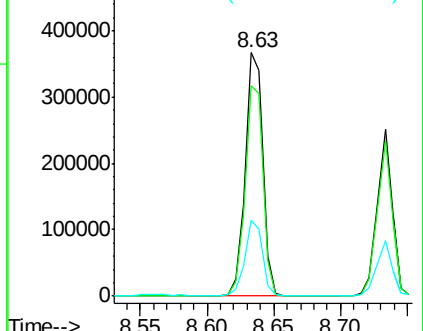
115 31.0 27.1 40.7

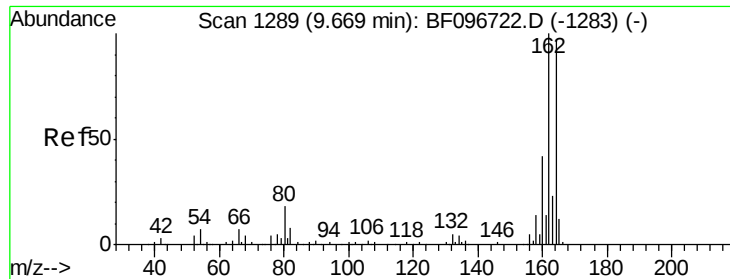


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

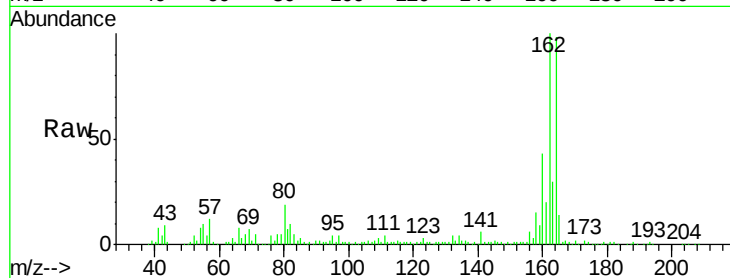




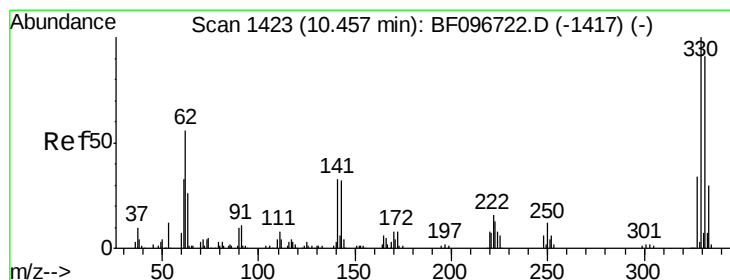
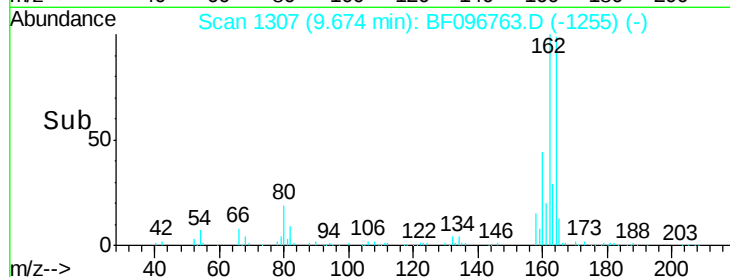
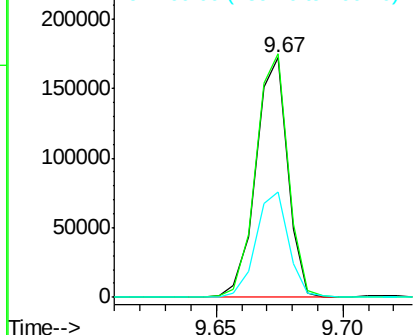
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.67 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: BF096763.D
 Acq: 14 Jul 2017 7:51

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-15

Tot Ion:164 Resp: 151632
 Ion Ratio Lower Upper
 164 100
 162 101.7 82.6 123.8
 160 44.0 36.2 54.2

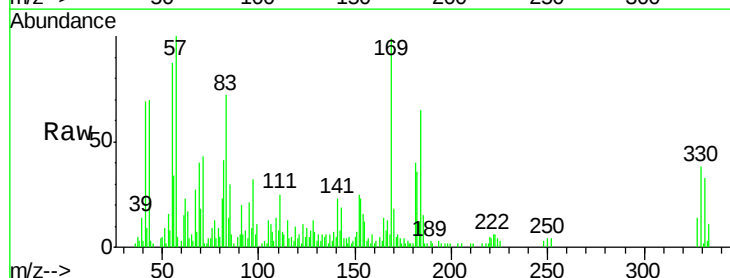


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

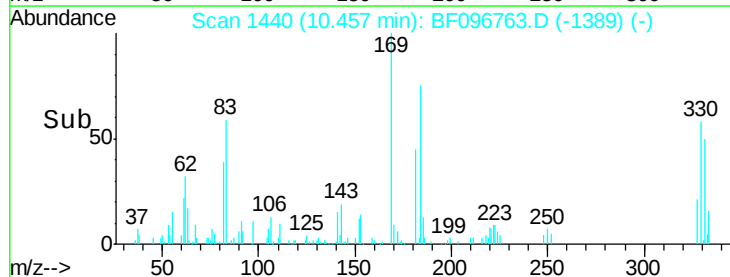
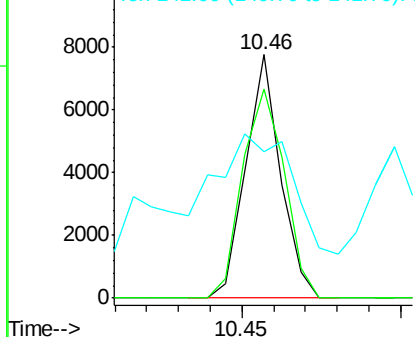


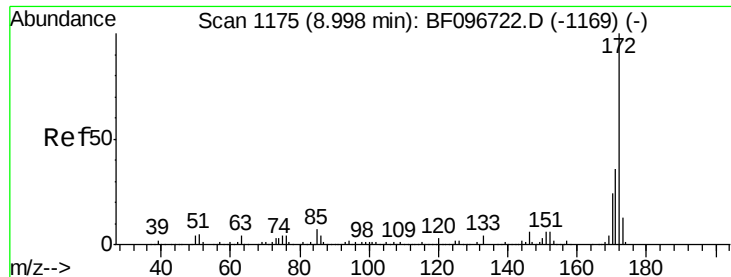
#41
 2,4,6-Tribromophenol
 Concen: 4.55 ng
 RT: 10.46 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BF096763.D
 Acq: 14 Jul 2017 7:51

Tgt Ion:330 Resp: 5885
 Ion Ratio Lower Upper
 330 100
 332 104.0 76.6 115.0
 141 105.2 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

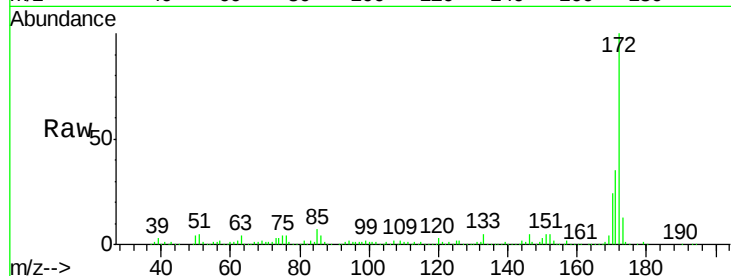




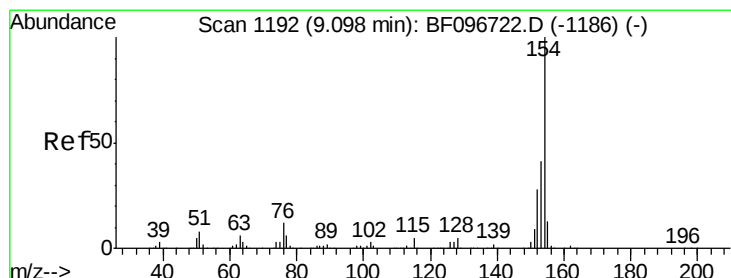
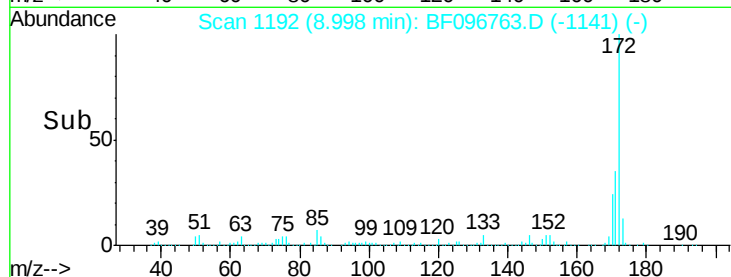
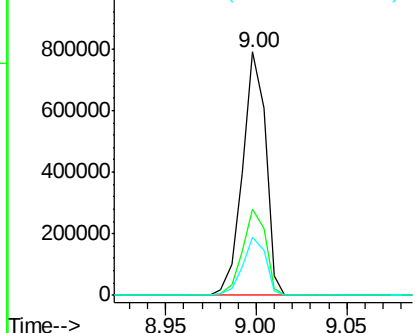
#44
2-Fluorobiphenyl
Concen: 72.95 ng
RT: 9.00 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BF096763.D
Acq: 14 Jul 2017 7:51

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-15

Tot Ion:172 Resp: 700130
Ion Ratio Lower Upper
172 100
171 35.2 29.6 44.4
170 23.7 19.8 29.8

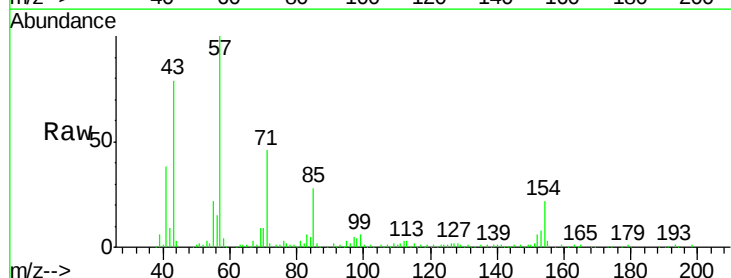


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

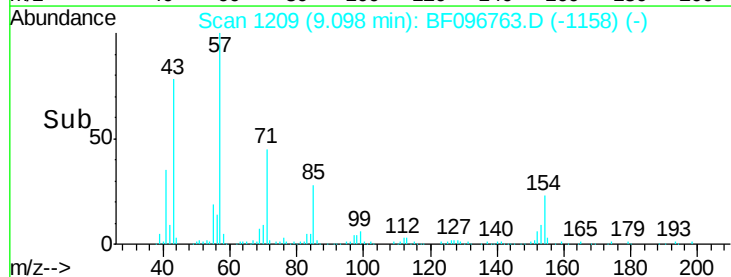
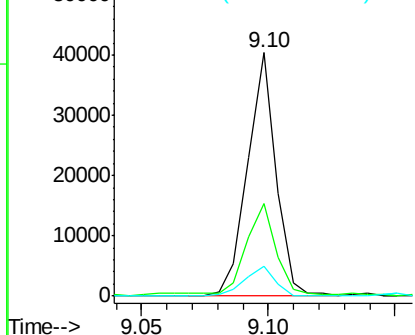


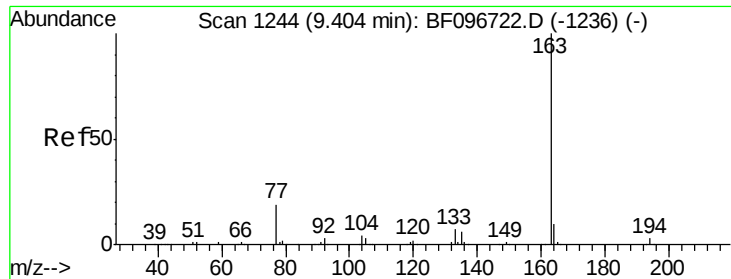
#45
1,1'-Biphenyl
Concen: 2.44 ng
RT: 9.10 min Scan# 1209
Delta R.T. -0.00 min
Lab File: BF096763.D
Acq: 14 Jul 2017 7:51

Tgt Ion:154 Resp: 31698
Ion Ratio Lower Upper
154 100
153 37.9 21.2 61.2
76 12.2 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

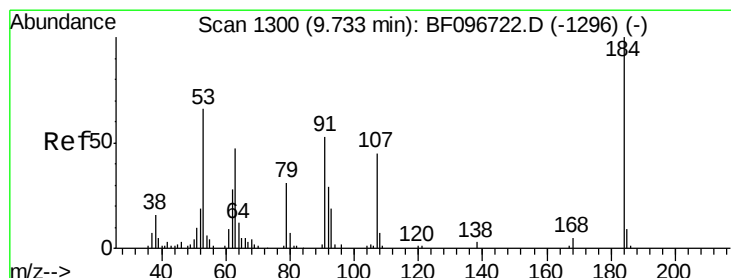
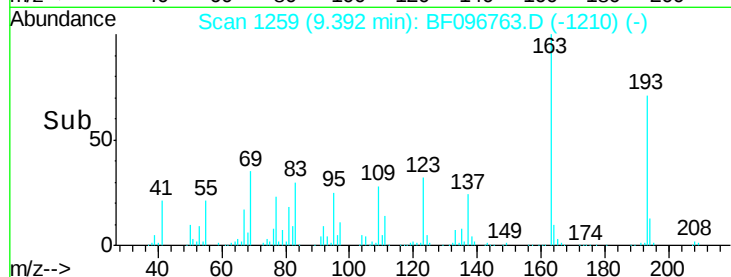
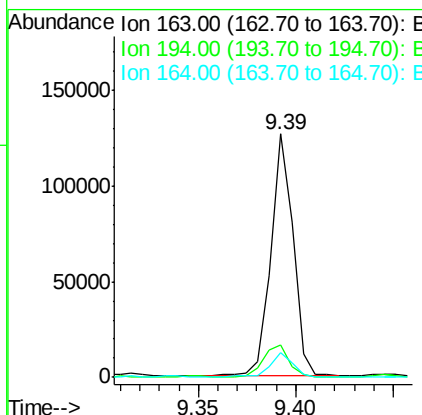
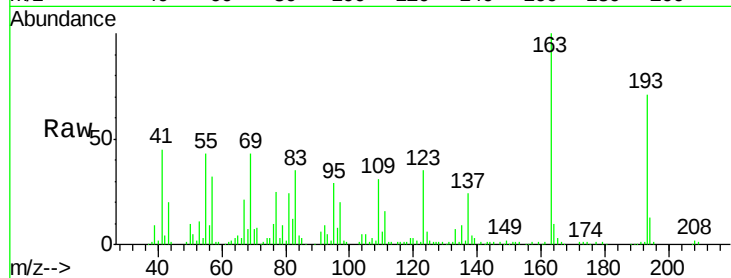




#49
Dimethylphthalate
Concen: 8.79 ng
RT: 9.39 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF096763.D
Acq: 14 Jul 2017 7:51

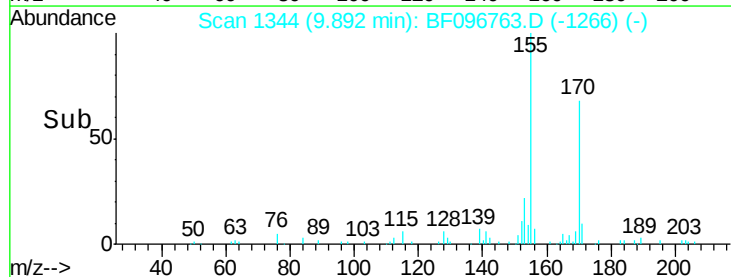
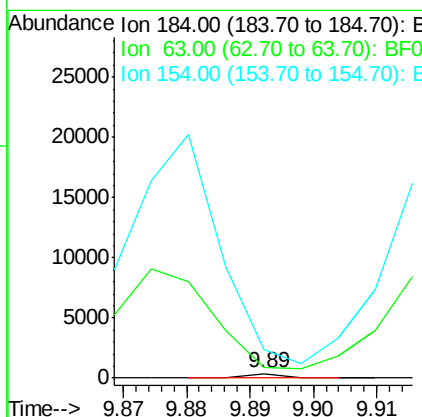
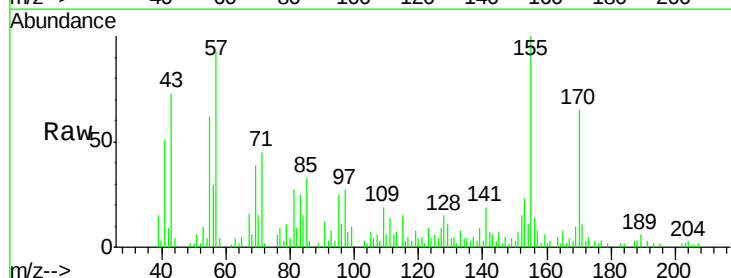
Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-15

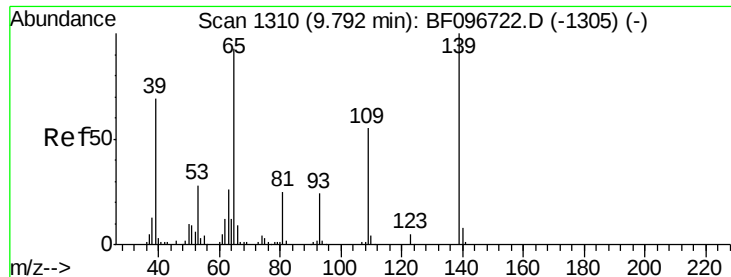
Tot Ion:163 Resp: 100375
Ion Ratio Lower Upper
163 100
194 13.5 2.6 4.0#
164 10.3 8.4 12.6



#53
2,4-Dinitrophenol
Concen: 6.84 ng
RT: 9.89 min Scan# 1344
Delta R.T. 0.16 min
Lab File: BF096763.D
Acq: 14 Jul 2017 7:51

Tgt Ion:184 Resp: 130
Ion Ratio Lower Upper
184 100
63 234.5 62.7 94.1#
154 645.1 81.1 121.7#

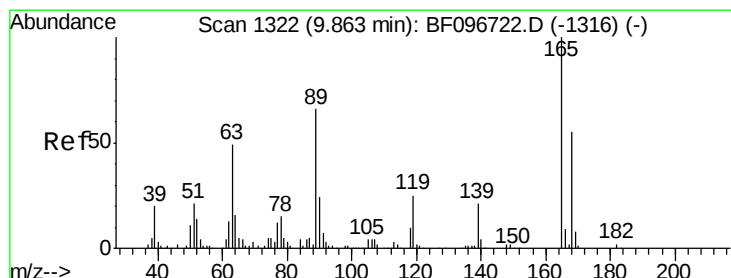
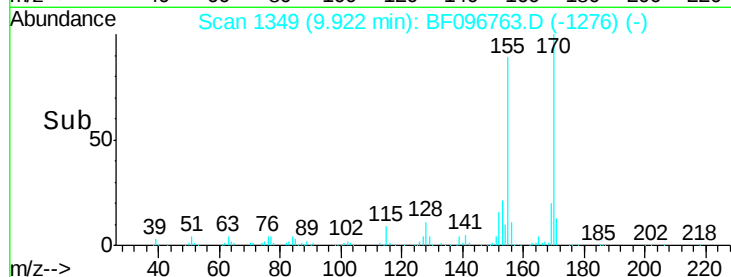
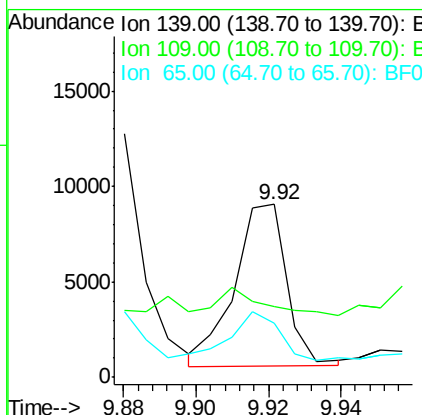
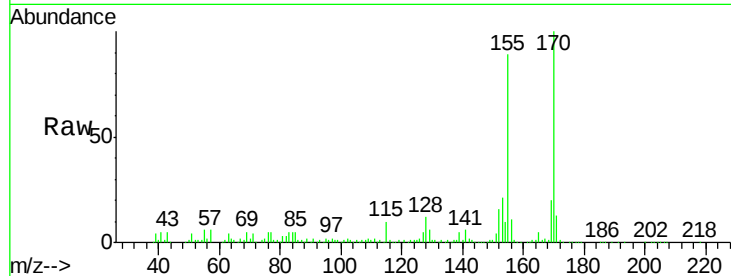




#55
4-Nitrophenol
Concen: 4.02 ng
RT: 9.92 min Scan# 1349
Delta R.T. 0.13 min
Lab File: BF096763.D
Acq: 14 Jul 2017 7:51

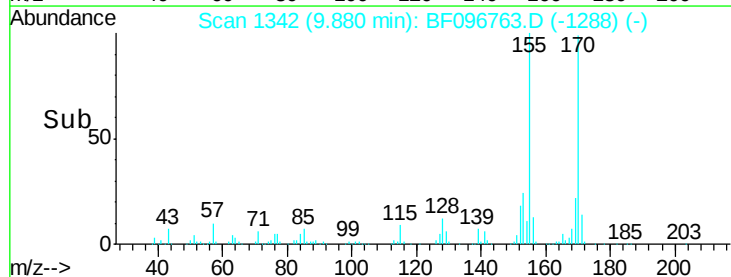
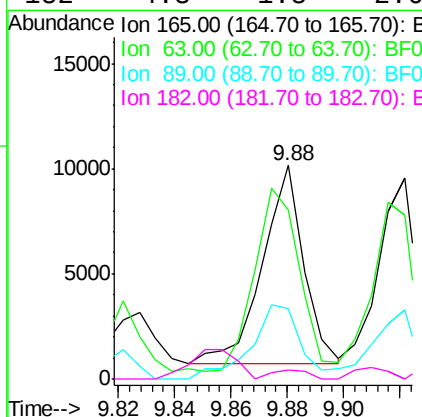
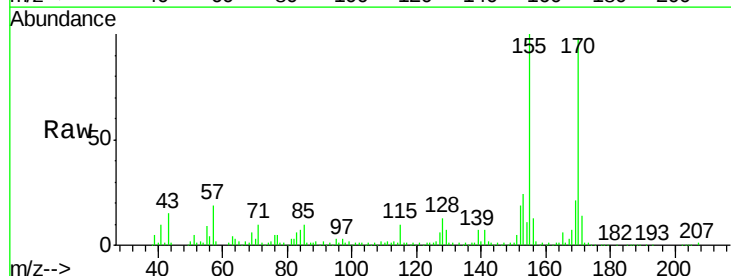
Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-15

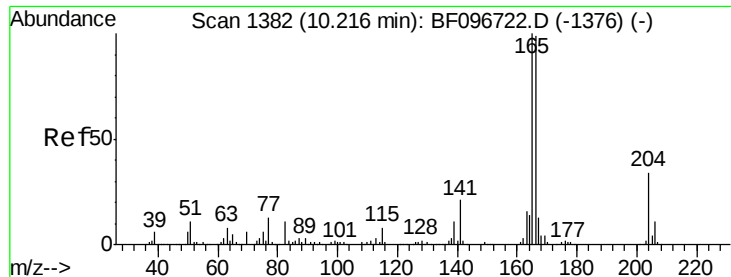
Tot Ion:139 Resp: 8599
Ion Ratio Lower Upper
139 100
109 41.0 34.1 74.1
65 31.5 31.4 71.4



#56
2,4-Dinitrotoluene
Concen: 2.97 ng
RT: 9.88 min Scan# 1342
Delta R.T. 0.02 min
Lab File: BF096763.D
Acq: 14 Jul 2017 7:51

Tgt Ion:165 Resp: 9454
Ion Ratio Lower Upper
165 100
63 79.1 25.4 38.0#
89 32.7 46.4 69.6#
182 4.3 1.8 2.6#

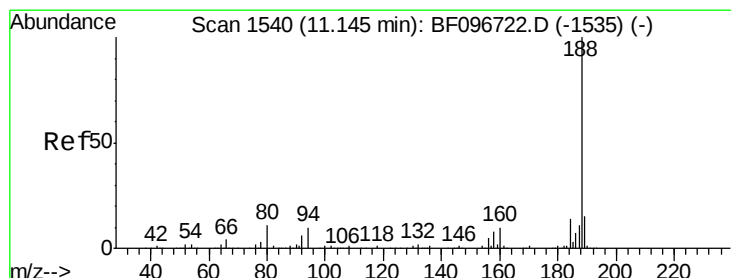
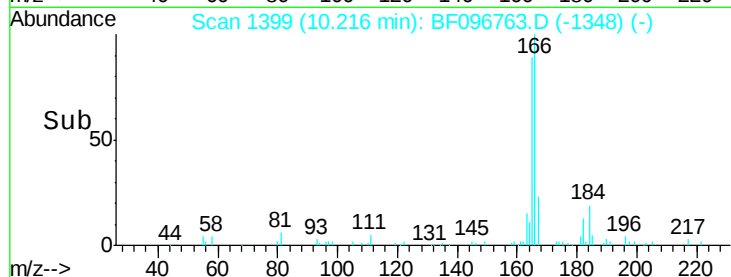
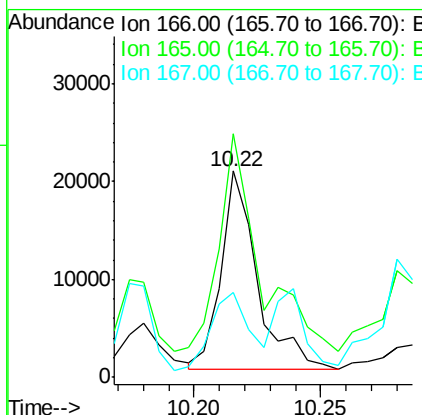
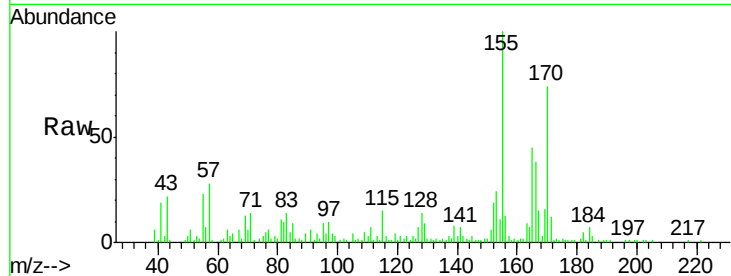




#57
Fluorene
 Concen: 2.18 ng
 RT: 10.22 min Scan# 1399
 Delta R.T. 0.00 min
 Lab File: BF096763.D
 Acq: 14 Jul 2017 7:51

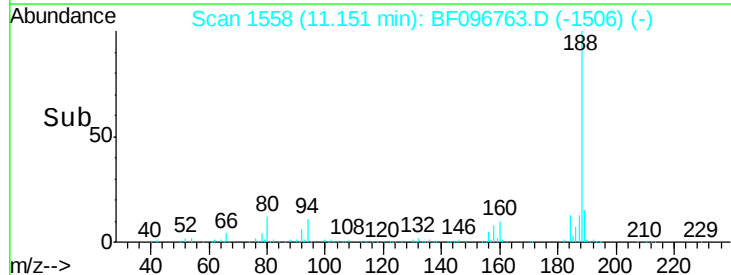
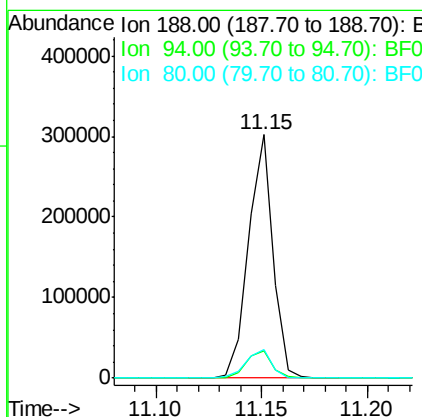
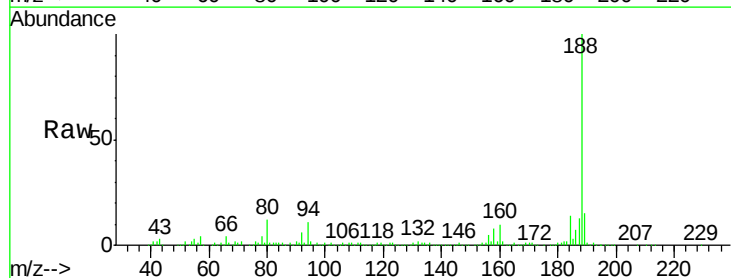
Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-15

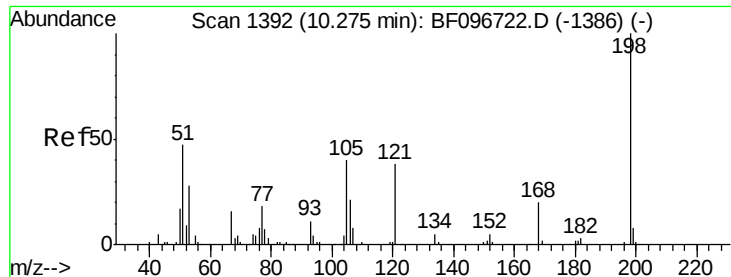
Tot Ion:166 Resp: 20354
 Ion Ratio Lower Upper
 166 100
 165 118.2 78.8 118.2#
 167 41.0 10.6 16.0#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.15 min Scan# 1558
 Delta R.T. 0.01 min
 Lab File: BF096763.D
 Acq: 14 Jul 2017 7:51

Tgt Ion:188 Resp: 242857
 Ion Ratio Lower Upper
 188 100
 94 11.3 9.4 14.2
 80 11.7 10.2 15.2

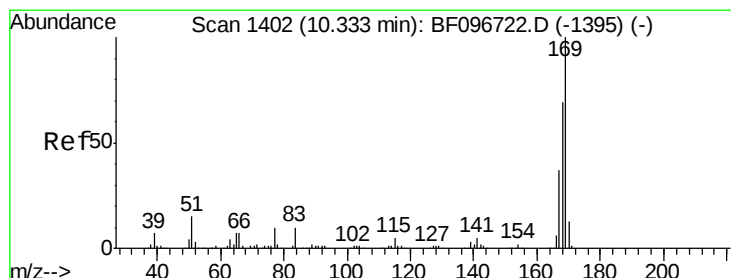
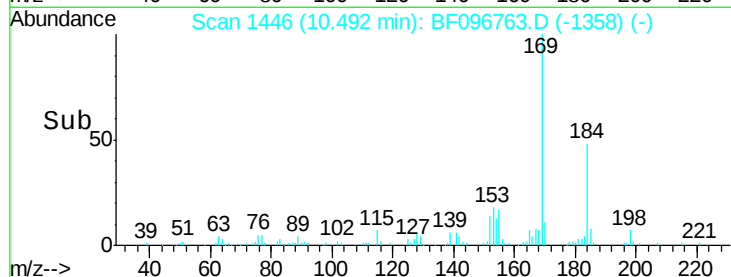
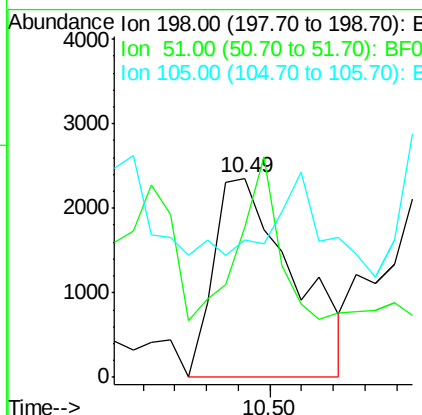
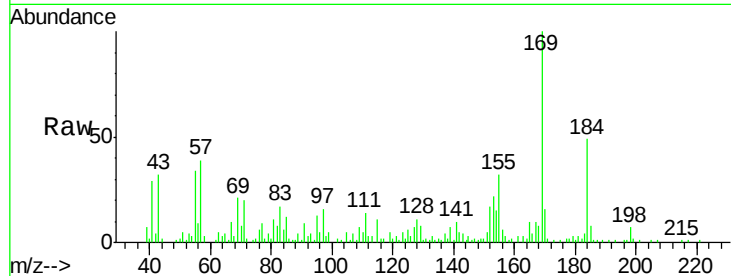




#64
4,6-Dinitro-2-methylphenol
Concen: 2.69 ng
RT: 10.49 min Scan# 1446
Delta R.T. 0.22 min
Lab File: BF096763.D
Acq: 14 Jul 2017 7:51

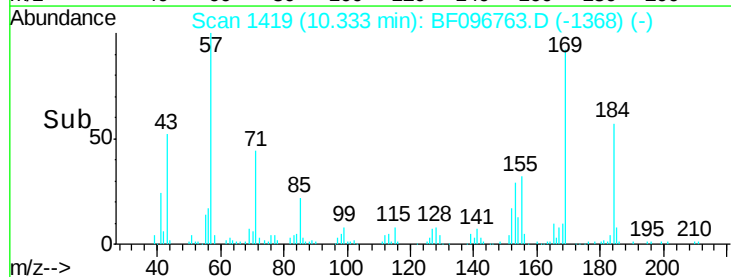
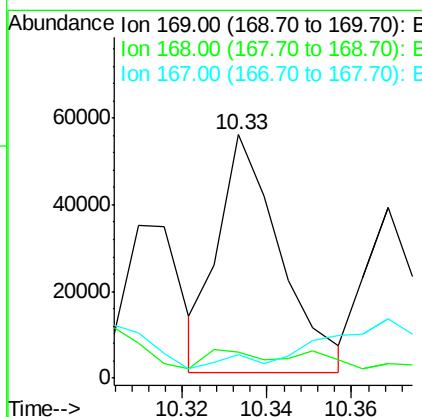
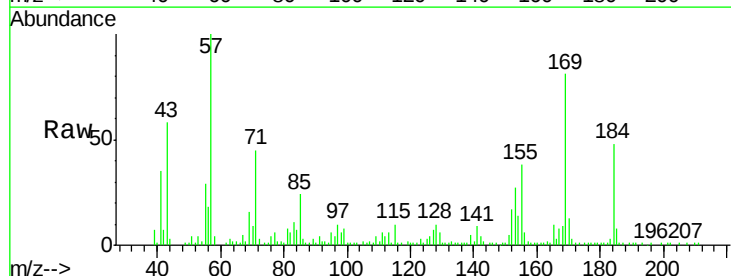
Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-15

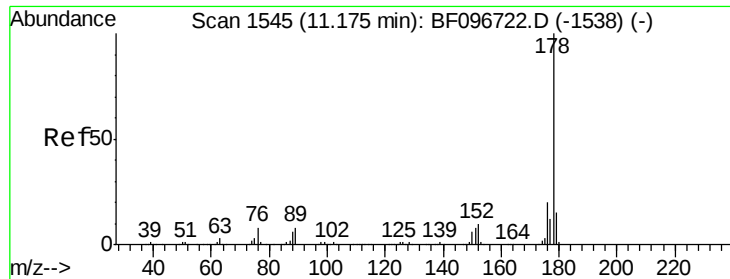
Tot Ion:198 Resp: 4107
Ion Ratio Lower Upper
198 100
51 75.6 53.2 93.2
105 69.3 45.8 85.8



#65
n-Nitrosodiphenylamine
Concen: 6.44 ng
RT: 10.33 min Scan# 1419
Delta R.T. -0.00 min
Lab File: BF096763.D
Acq: 14 Jul 2017 7:51

Tgt Ion:169 Resp: 55916
Ion Ratio Lower Upper
169 100
168 10.9 53.2 79.8#
167 9.7 29.5 44.3#





#70

Phenanthrene

Concen: 2.91 ng

RT: 11.17 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF096763.D

Acq: 14 Jul 2017 7:51

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-BATCH-15

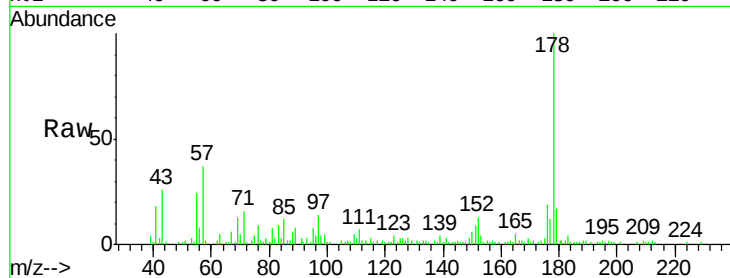
Tot Ion:178 Resp: 38466

Ion Ratio Lower Upper

178 100

176 19.1 16.2 24.4

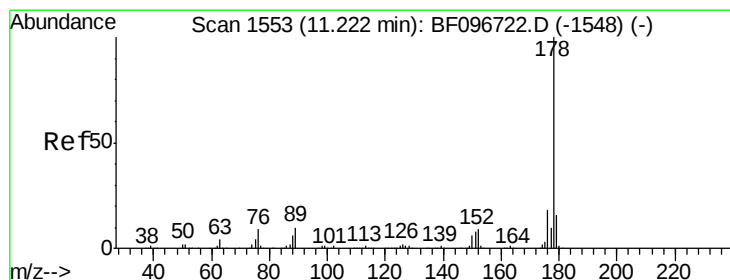
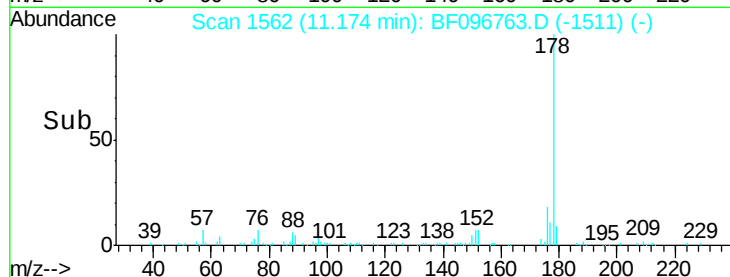
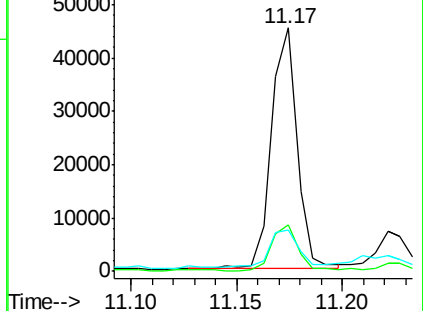
179 17.0 12.6 19.0



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: 2.88 ng

RT: 11.17 min Scan# 1562

Delta R.T. -0.05 min

Lab File: BF096763.D

Acq: 14 Jul 2017 7:51

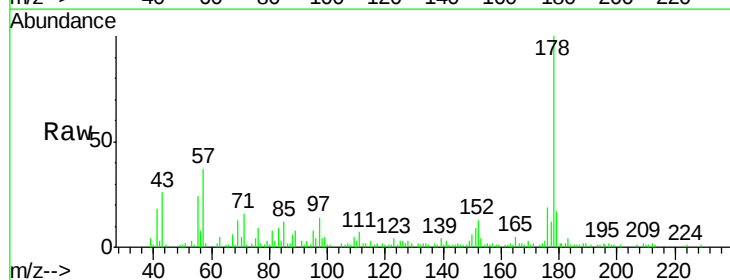
Tgt Ion:178 Resp: 38466

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

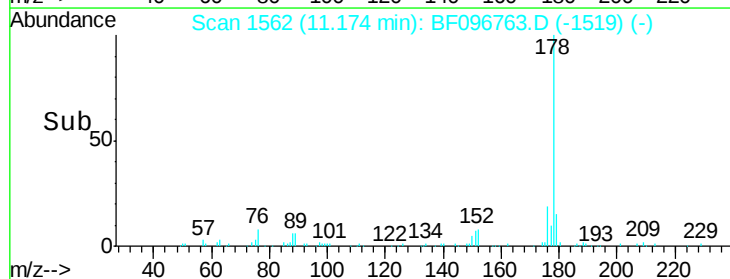
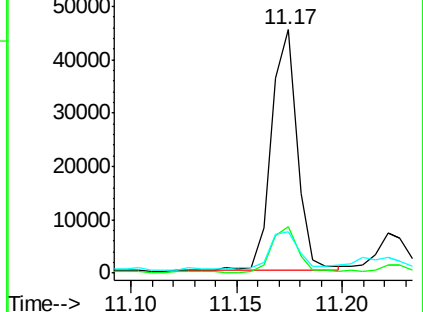
179 17.0 12.7 19.1

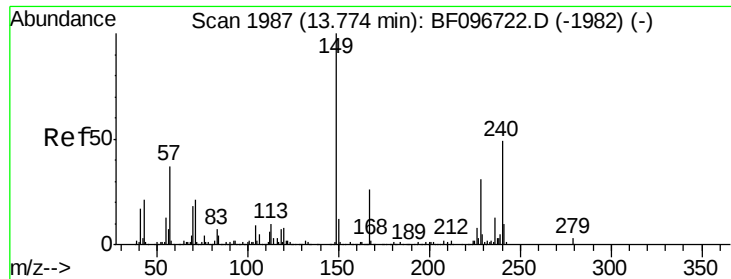


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.78 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF096763.D

Acq: 14 Jul 2017 7:51

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-BATCH-15

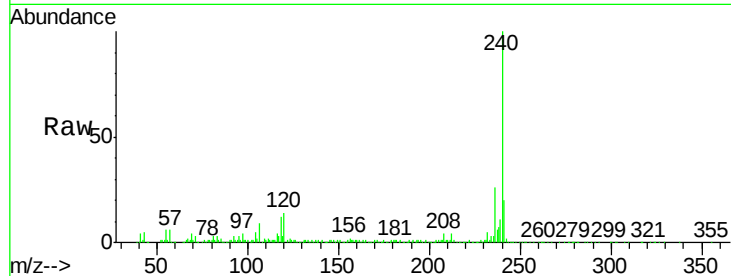
Tot Ion:240 Resp: 205054

Ion Ratio Lower Upper

240 100

120 14.0 5.8 8.8#

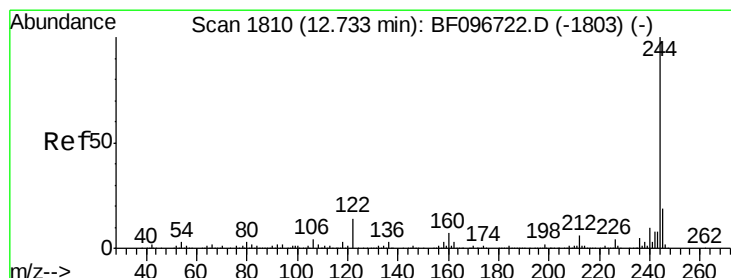
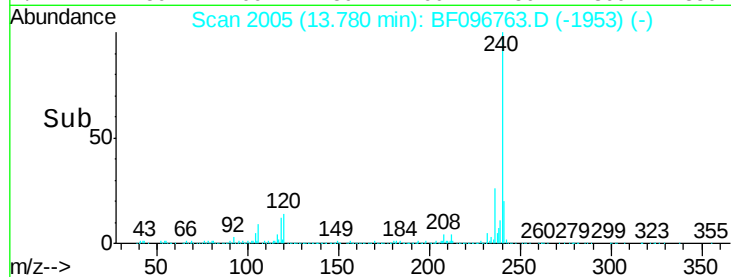
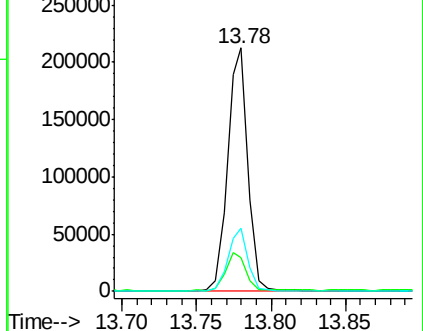
236 26.1 20.5 30.7



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



#78

Terphenyl-d14

Concen: 45.47 ng

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF096763.D

Acq: 14 Jul 2017 7:51

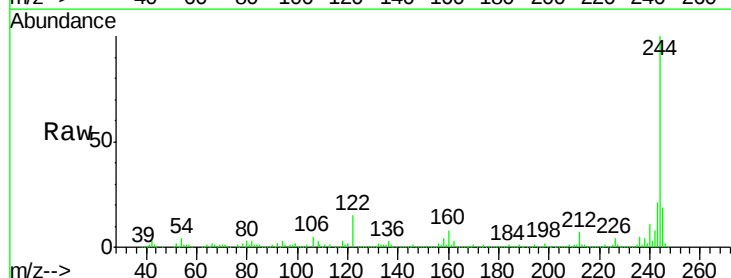
Tgt Ion:244 Resp: 537652

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

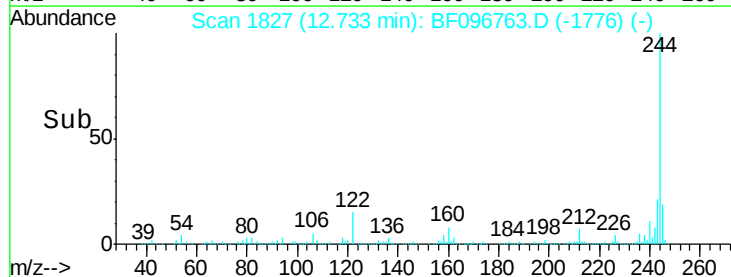
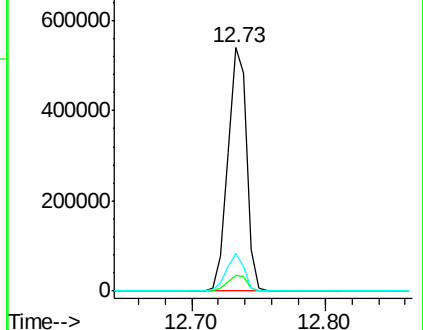
122 15.3 10.3 15.5

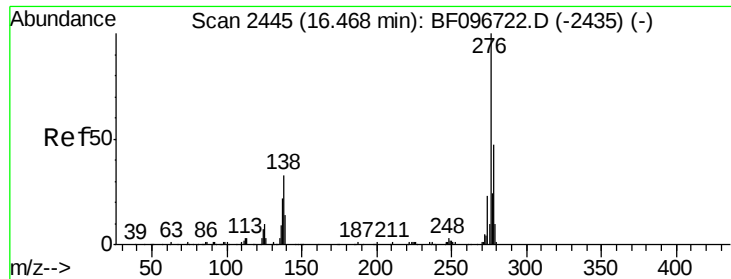


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

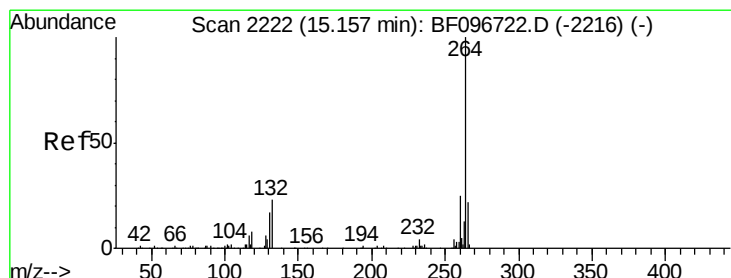
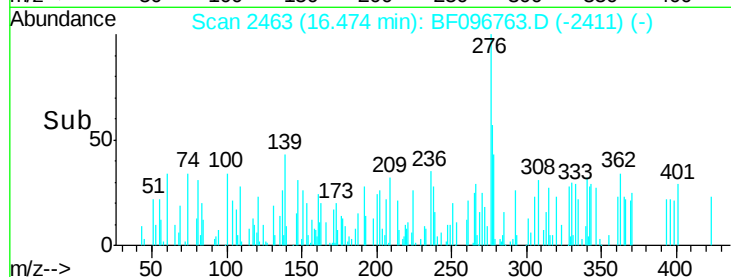
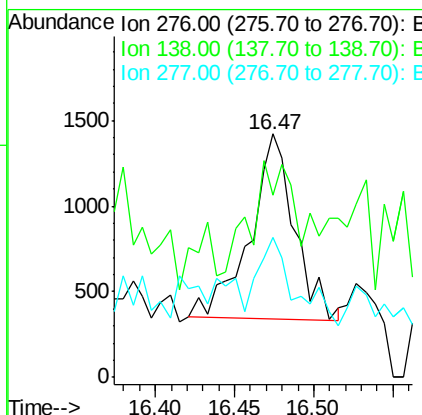
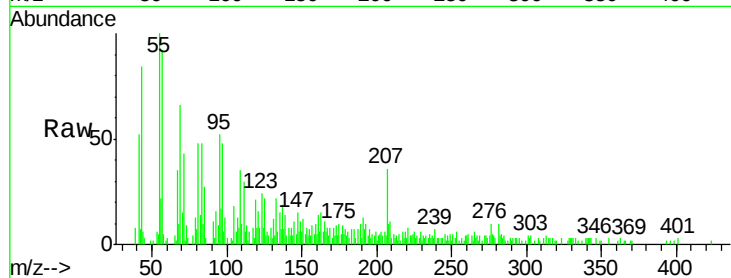




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.50 ng
 RT: 16.47 min Scan# 2463
 Delta R.T. 0.01 min
 Lab File: BF096763.D
 Acq: 14 Jul 2017 7:51

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-15

Tot Ion:276 Resp: 2101
 Ion Ratio Lower Upper
 276 100
 138 78.3 27.8 41.6#
 277 39.5 20.2 30.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.16 min Scan# 2240
 Delta R.T. 0.01 min
 Lab File: BF096763.D
 Acq: 14 Jul 2017 7:51

Tgt Ion:264 Resp: 138373
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.5 29.3
 265 21.5 17.2 25.8

