

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
 Data File : BF097818.D
 Acq On : 18 Aug 2017 6:56
 Operator : SJ/JU
 Sample : I4794-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CEMENT-BLOCK

Quant Time: Aug 18 07:40:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

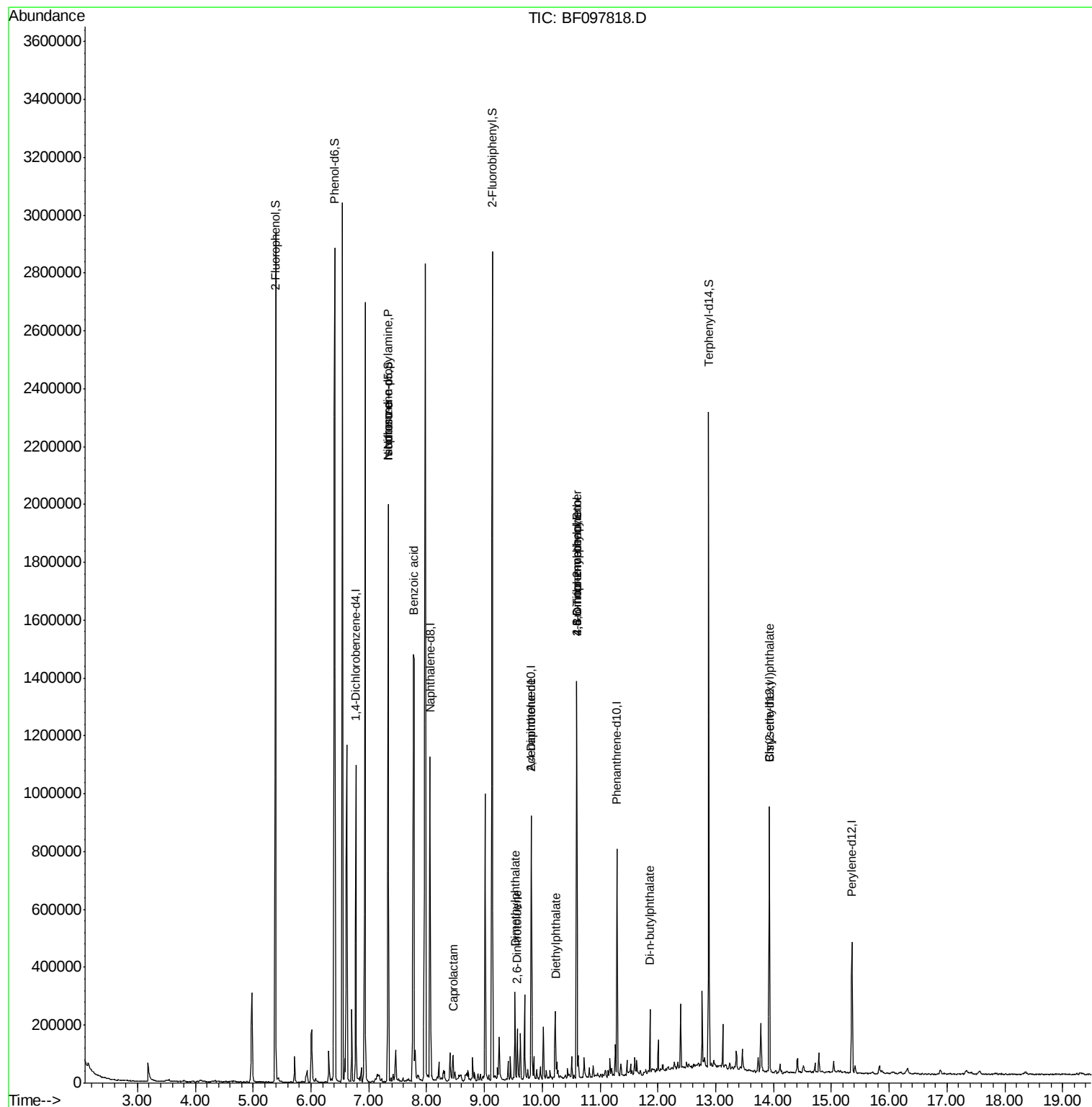
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	126823	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	458903	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	159805	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	263323	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	268937	20.00	ng	-0.01
86) Perylene-d12	15.36	264	190237	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	832205	99.81	ng	0.00
7) Phenol-d6	6.41	99	1108217	97.82	ng	0.00
23) Nitrobenzene-d5	7.34	82	674058	79.79	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	133948	96.60	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	898955	82.65	ng	0.00
78) Terphenyl-d14	12.88	244	664724	51.54	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.34	70	91475	11.80	ng	# 72
25) Isophorone	7.34	82	674051	38.37	ng	# 67
32) Benzoic acid	7.79	122	1671	6.68	ng	# 50
35) Caprolactam	8.46	113	8139	3.94	ng	99
49) Dimethylphthalate	9.53	163	96112	8.23	ng	99
50) 2,6-Dinitrotoluene	9.57	165	7841	3.36	ng	# 59
56) 2,4-Dinitrotoluene	9.81	165	19369	6.62	ng	# 35
59) Diethylphthalate	10.23	149	24588	2.01	ng	96
64) 4,6-Dinitro-2-methylphenol	10.60	198	339	8.55	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	9249	3.38	ng	# 1
73) Di-n-butylphthalate	11.86	149	91453	5.88	ng	98
83) Bis(2-ethylhexyl)phthalate	13.92	149	29878	3.20	ng	100

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF097818.D

Acq: 18 Aug 2017 6:56

Instrument :

BNA_F

ClientSampleId :

CEMENT-BLOCK

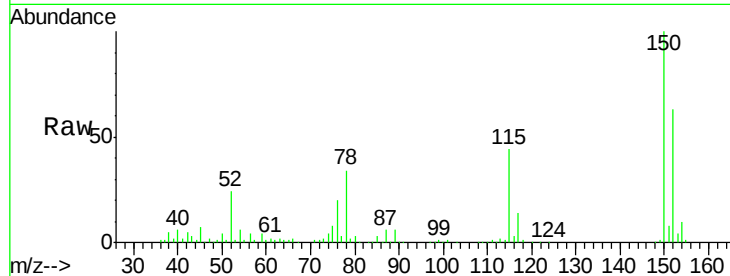
Tot Ion:152 Resp: 126823

Ion Ratio Lower Upper

152 100

150 159.4 126.2 189.2

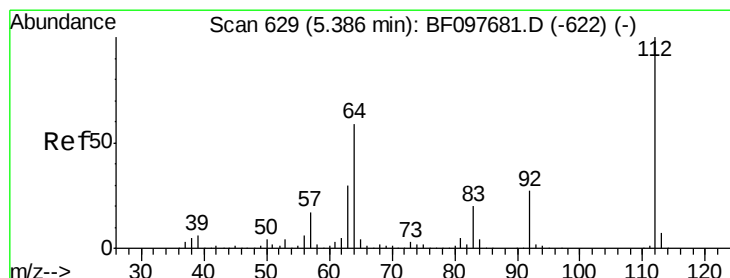
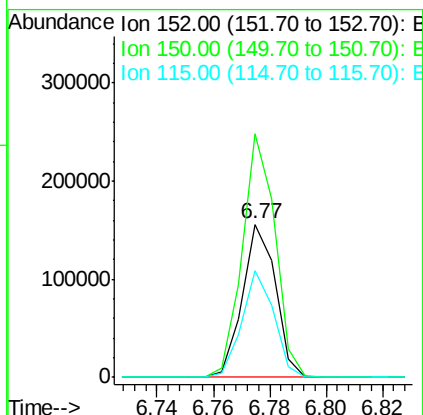
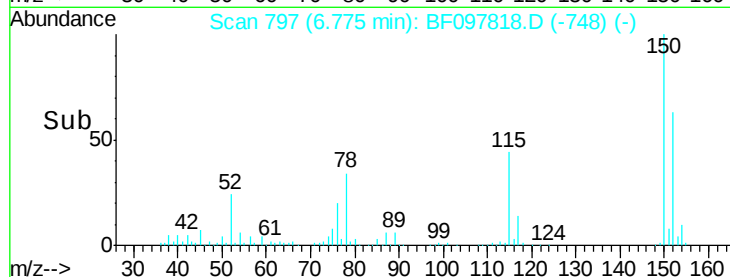
115 70.3 52.2 78.2



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: 99.81 ng

RT: 5.39 min Scan# 561

Delta R.T. 0.00 min

Lab File: BF097818.D

Acq: 18 Aug 2017 6:56

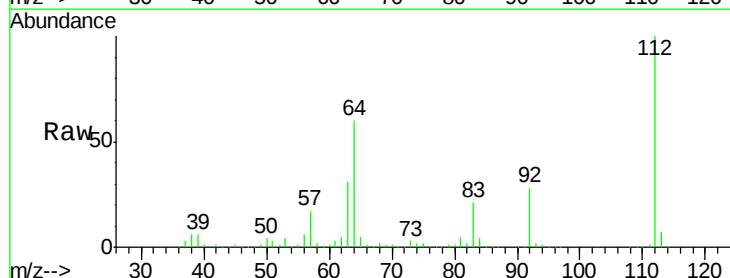
Tgt Ion:112 Resp: 832205

Ion Ratio Lower Upper

112 100

64 60.4 46.0 69.0

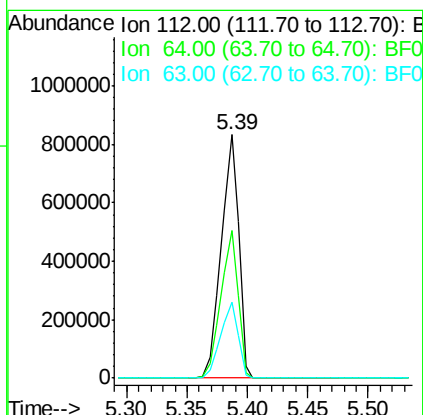
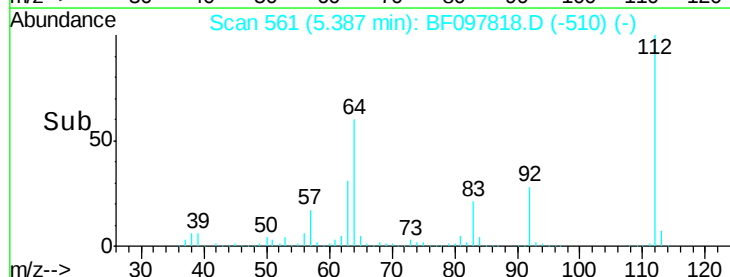
63 31.4 23.4 35.0

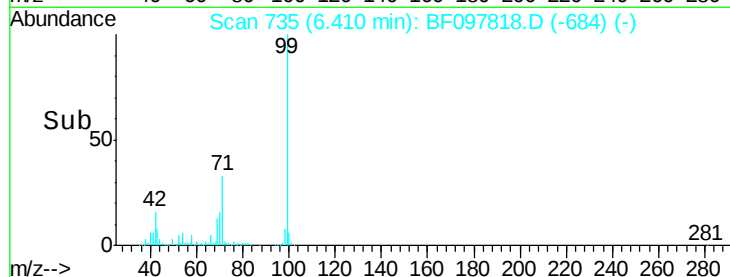
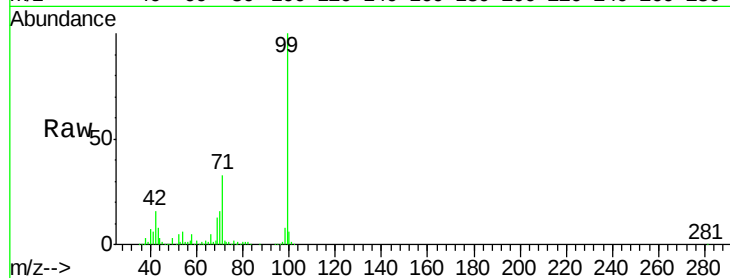
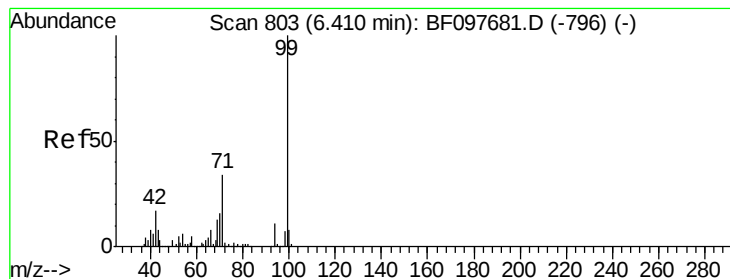


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.82 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF097818.D

Acq: 18 Aug 2017 6:56

Instrument :

BNA_F

ClientSampleId :

CEMENT-BLOCK

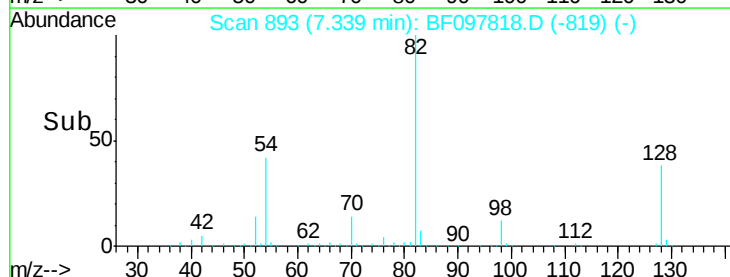
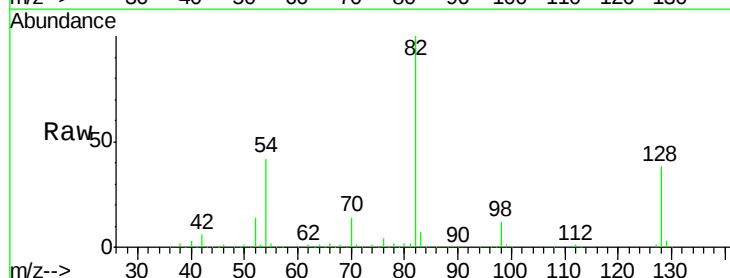
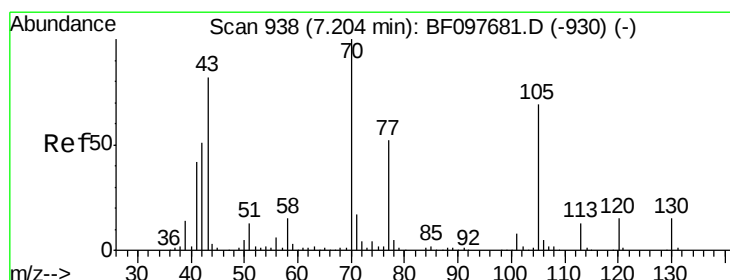
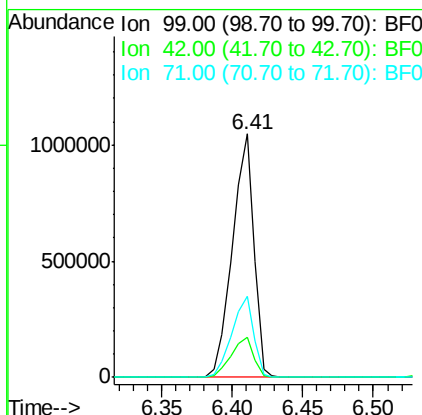
Tot Ion: 99 Resp: 1108217

Ion Ratio Lower Upper

99 100

42 16.3 13.5 20.3

71 33.2 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 11.80 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.14 min

Lab File: BF097818.D

Acq: 18 Aug 2017 6:56

Tgt Ion: 70 Resp: 91475

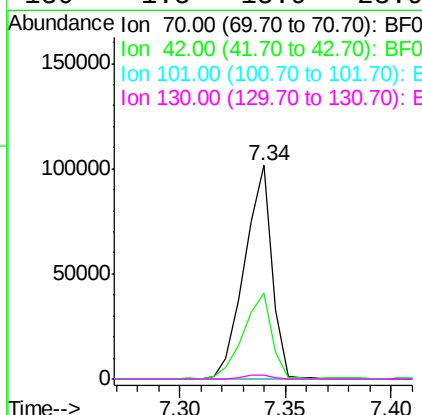
Ion Ratio Lower Upper

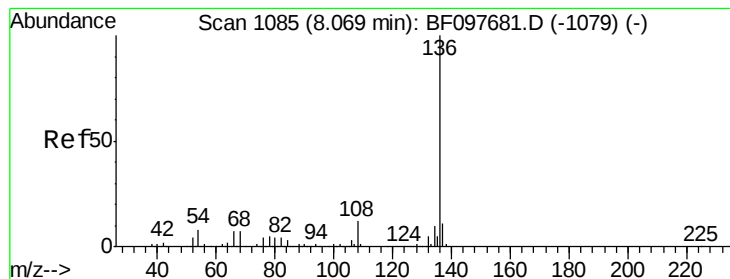
70 100

42 40.4 47.2 70.8#

101 0.0 7.2 10.8#

130 1.5 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF097818.D

Acq: 18 Aug 2017 6:56

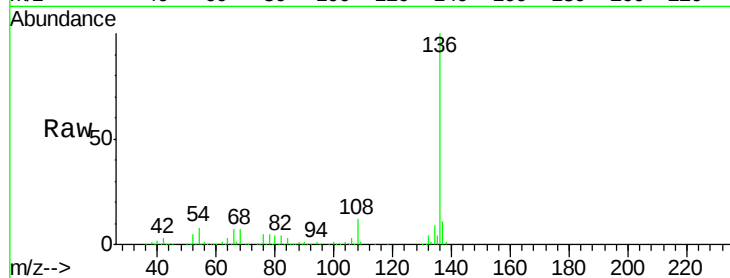
Instrument :

BNA_F

ClientSampleId :

CEMENT-BLOCK

Tot Ion:136	Resp:	458903
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.5 12.7
54	8.2	4.9 7.3#
68	7.4	4.1 6.1#

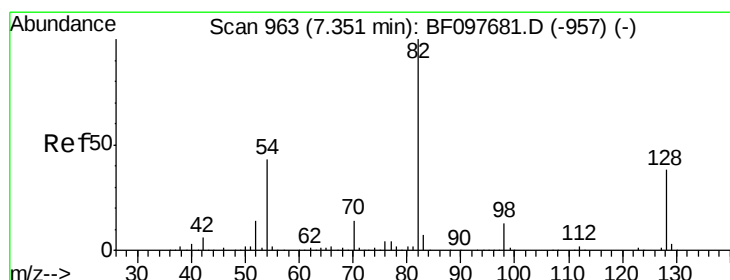
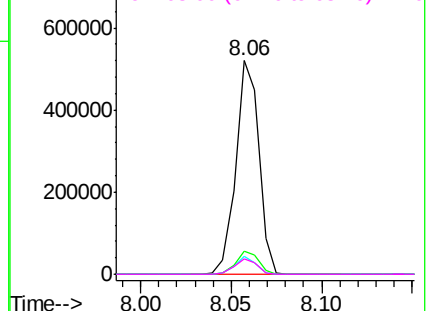
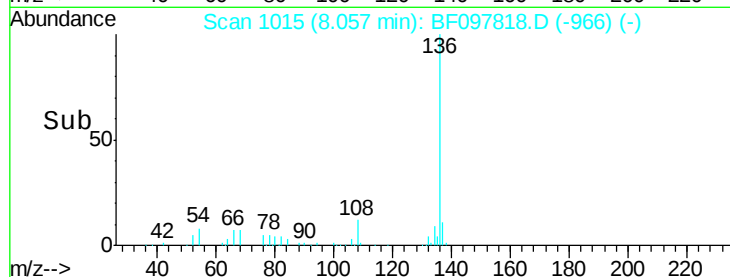


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.79 ng

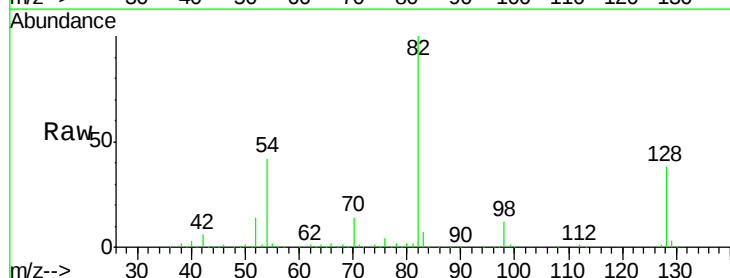
RT: 7.34 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF097818.D

Acq: 18 Aug 2017 6:56

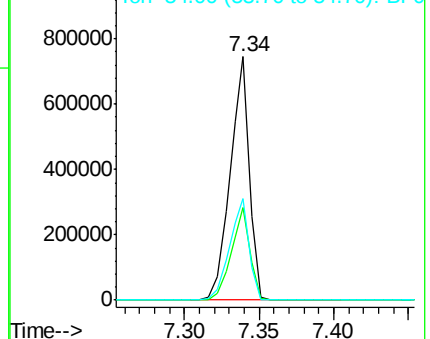
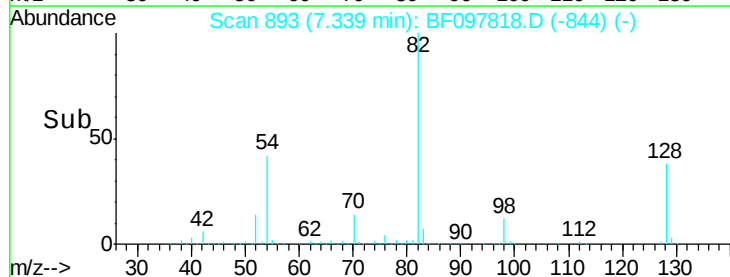
Tgt Ion: 82	Resp:	674058
Ion Ratio	Lower	Upper
82	100	
128	37.9	34.0 51.0
54	41.8	42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 38.37 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.27 min

Lab File: BF097818.D

Acq: 18 Aug 2017 6:56

Instrument :

BNA_F

ClientSampleId :

CEMENT-BLOCK

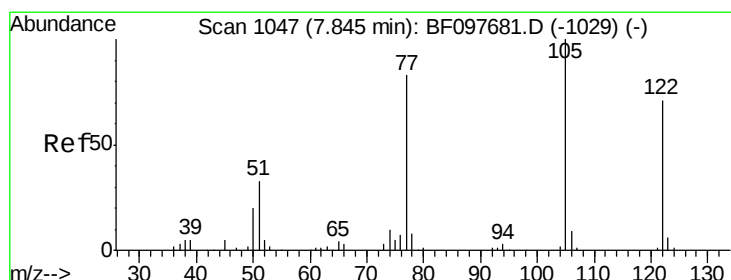
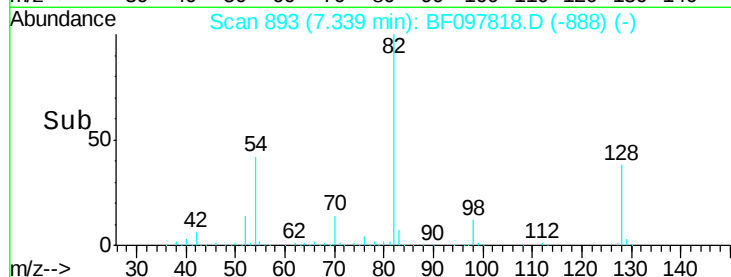
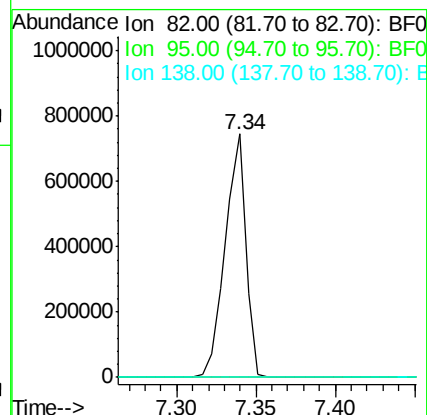
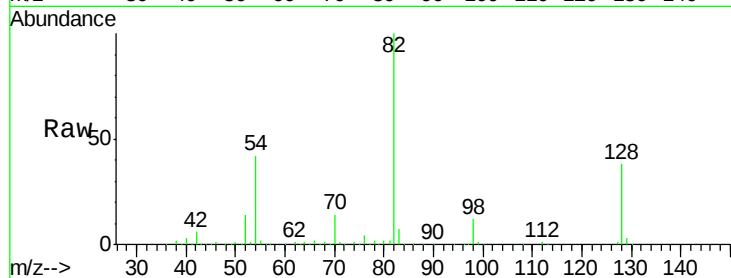
Tot Ion: 82 Resp: 674051

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#32

Benzoic acid

Concen: 6.68 ng

RT: 7.79 min Scan# 969

Delta R.T. -0.06 min

Lab File: BF097818.D

Acq: 18 Aug 2017 6:56

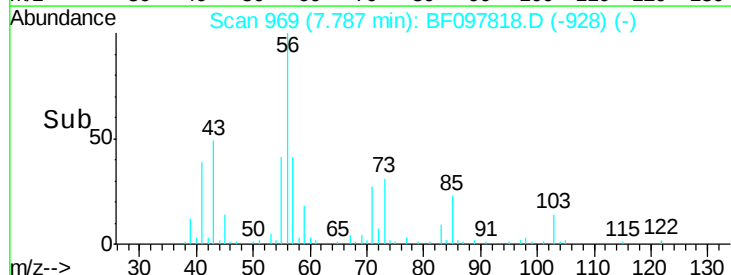
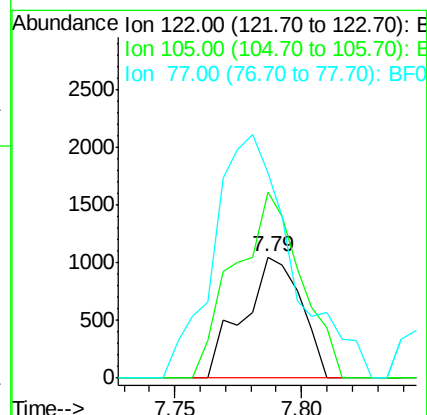
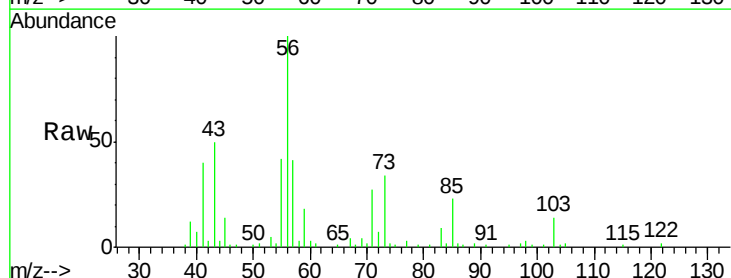
Tgt Ion: 122 Resp: 1671

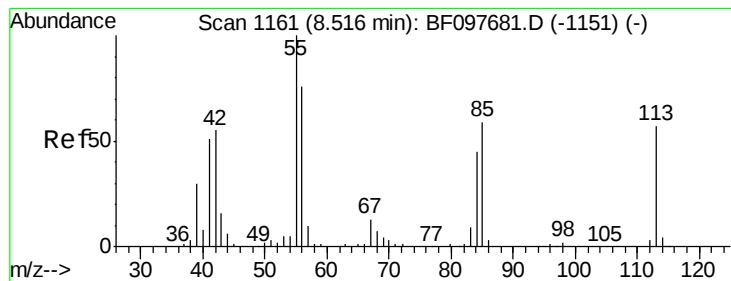
Ion Ratio Lower Upper

122 100

105 154.3 103.3 143.3#

77 169.8 73.7 113.7#





#35

Caprolactam

Concen: 3.94 ng

RT: 8.46 min Scan# 1083

Delta R.T. -0.06 min

Lab File: BF097818.D

Acq: 18 Aug 2017 6:56

Instrument :

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ClientSampleId :

CEMENT-BLOCK

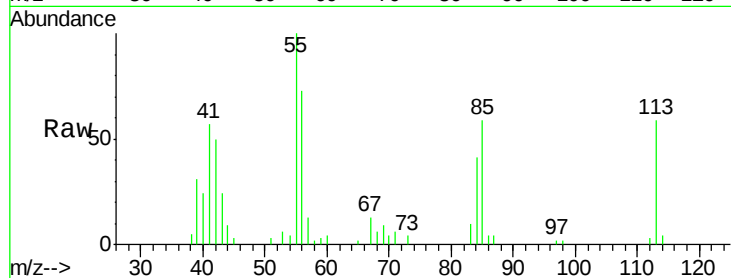
Tot Ion:113 Resp: 8139

Ion Ratio Lower Upper

113 100

55 170.6 150.2 190.2

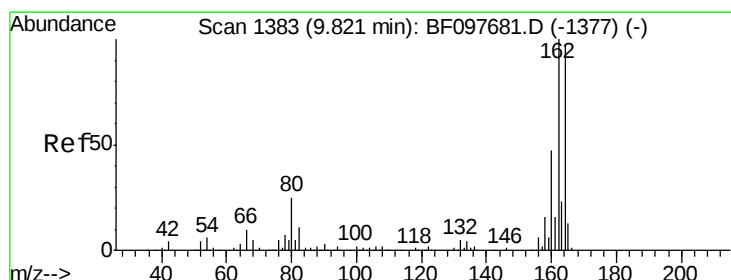
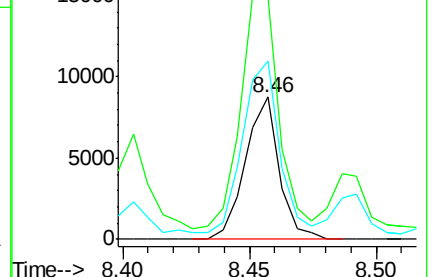
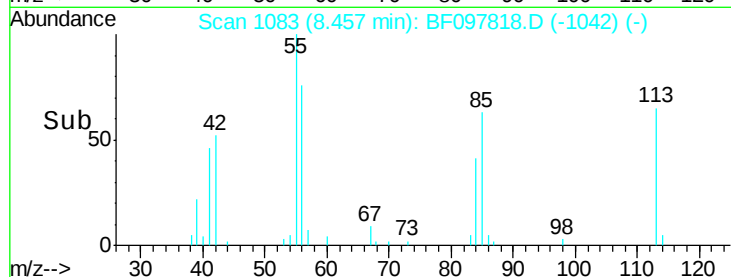
56 125.0 107.8 147.8



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF097818.D

Acq: 18 Aug 2017 6:56

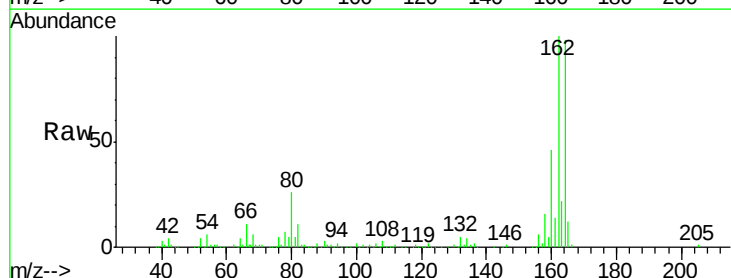
Tgt Ion:164 Resp: 159805

Ion Ratio Lower Upper

164 100

162 102.5 82.6 123.8

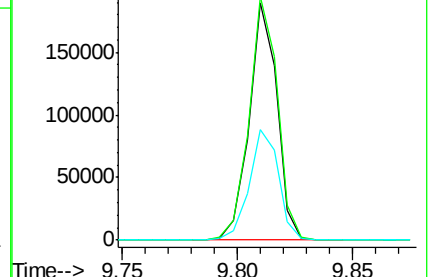
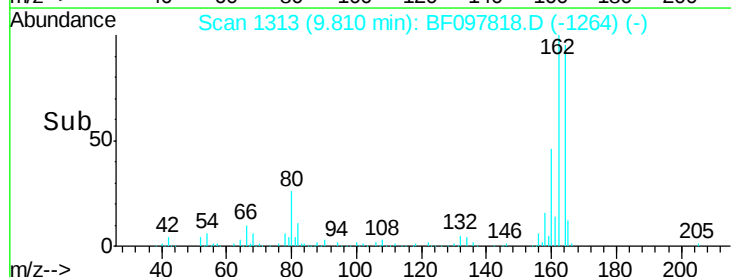
160 46.8 36.2 54.2

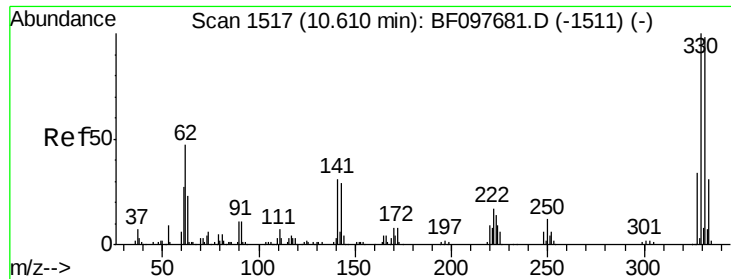


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 96.60 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF097818.D

Acq: 18 Aug 2017 6:56

Instrument :

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ClientSampleId :

CEMENT-BLOCK

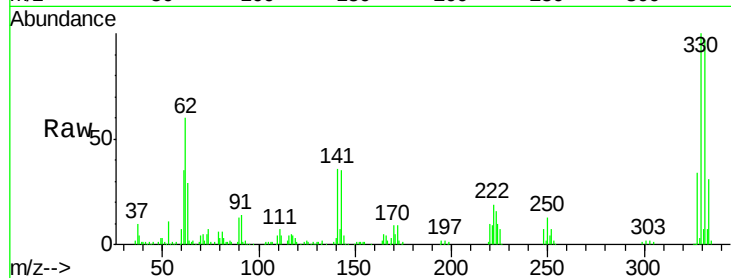
Tot Ion:330 Resp: 133948

Ion Ratio Lower Upper

330 100

332 96.4 76.6 115.0

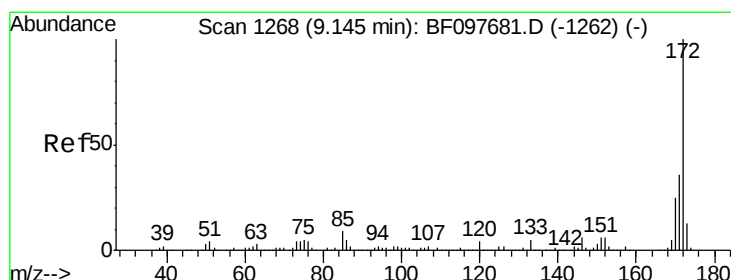
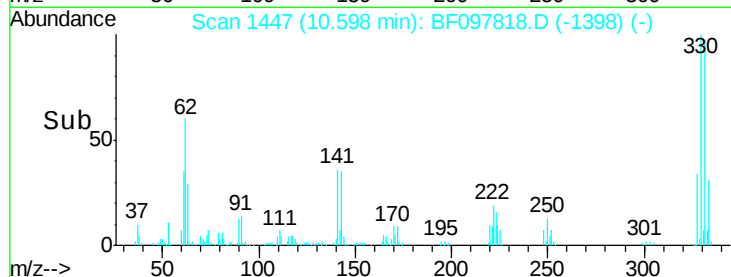
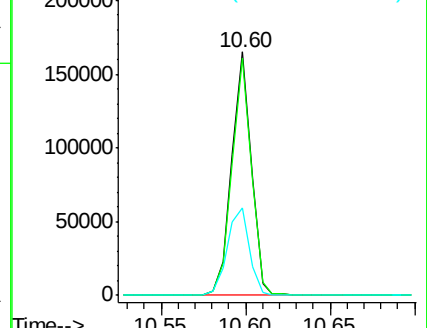
141 40.6 31.4 47.2



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 82.65 ng

RT: 9.14 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BF097818.D

Acq: 18 Aug 2017 6:56

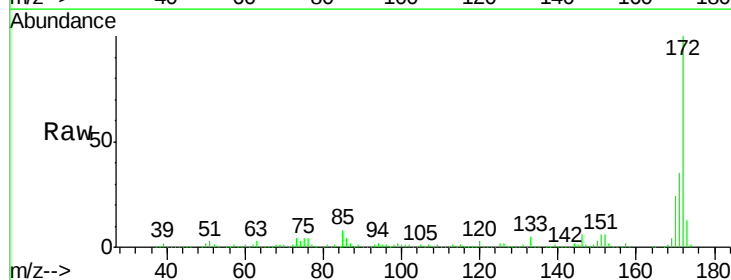
Tgt Ion:172 Resp: 898955

Ion Ratio Lower Upper

172 100

171 35.4 29.6 44.4

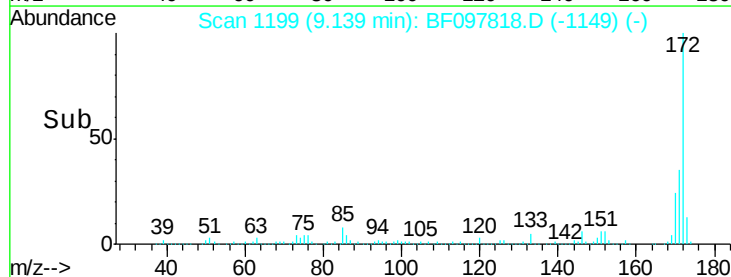
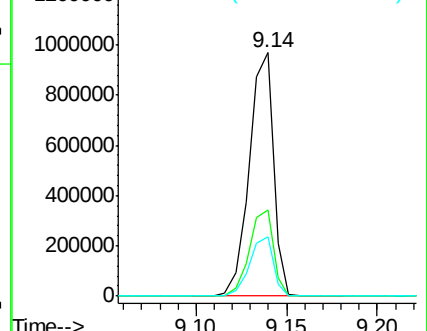
170 24.2 19.8 29.8

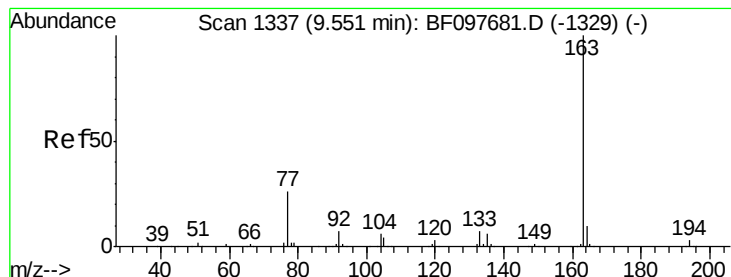


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 8.23 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BF097818.D

Acq: 18 Aug 2017 6:56

Instrument :

BNA_F

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CEMENT-BLOCK

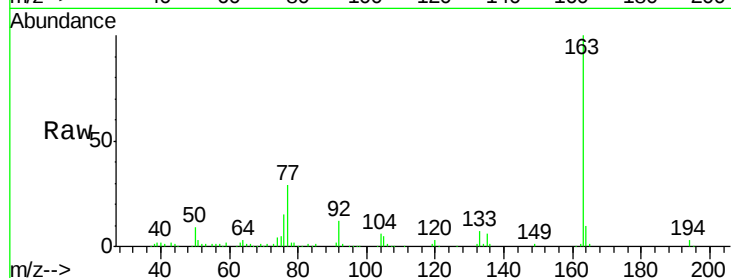
Tot Ion:163 Resp: 96112

Ion Ratio Lower Upper

163 100

194 3.0 2.6 4.0

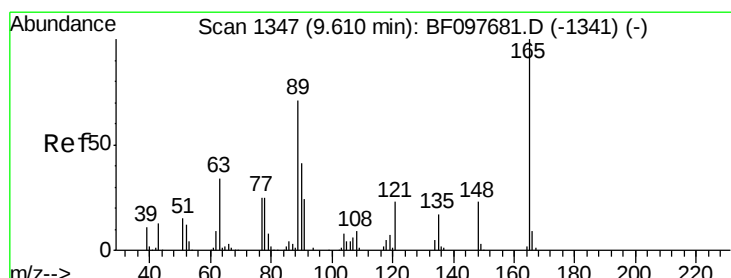
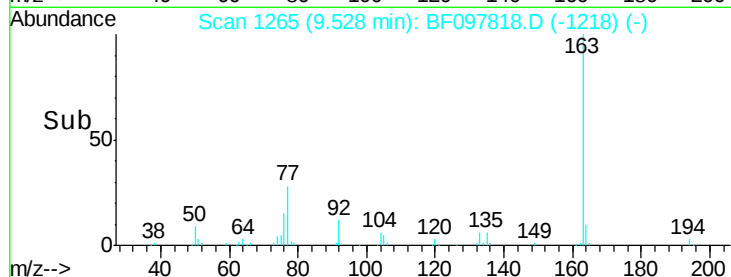
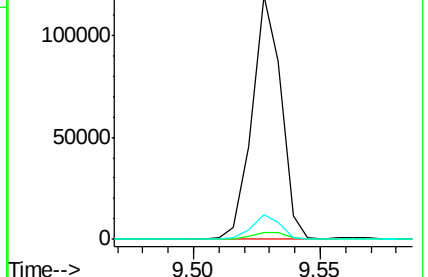
164 10.1 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 3.36 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.04 min

Lab File: BF097818.D

Acq: 18 Aug 2017 6:56

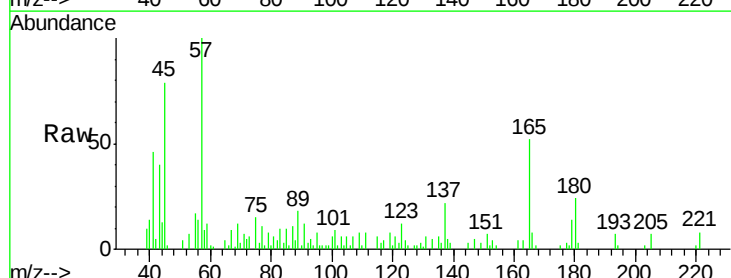
Tgt Ion:165 Resp: 7841

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

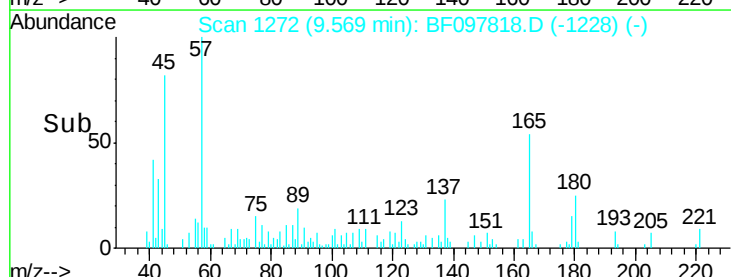
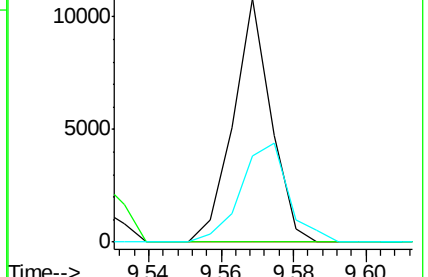
89 35.5 37.1 55.7#

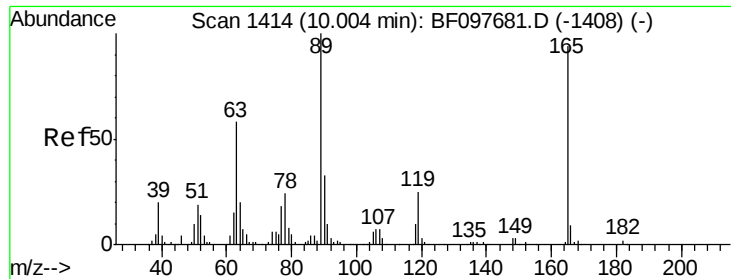


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

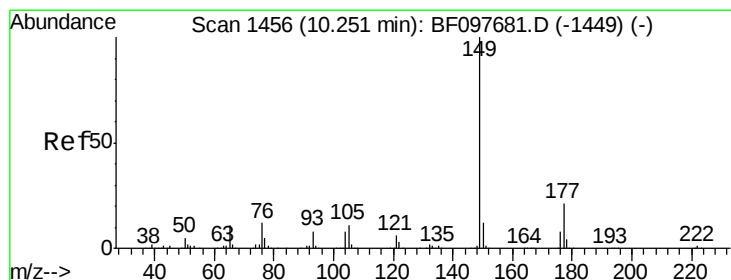
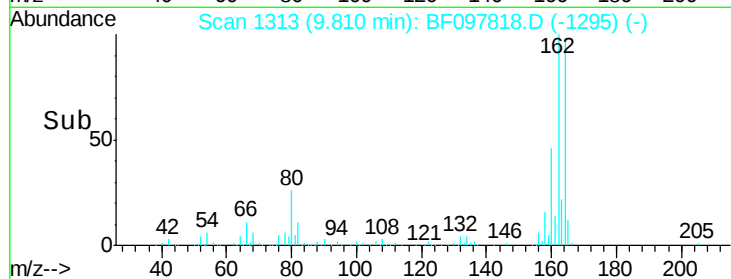
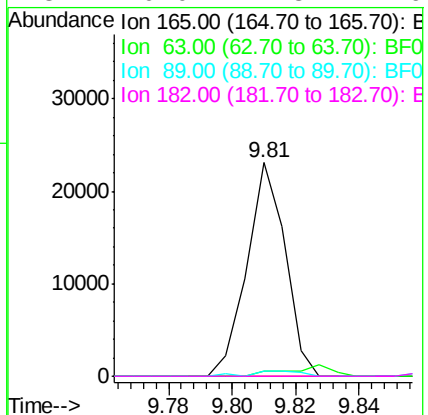
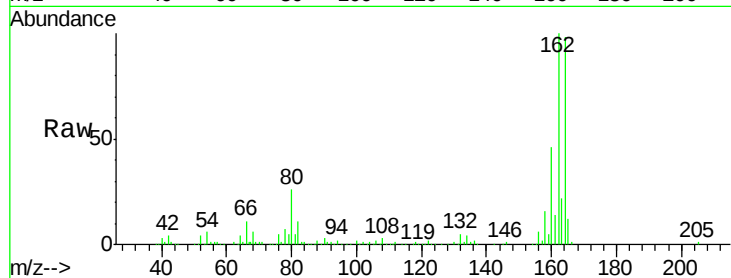




#56
 2,4-Dinitrotoluene
 Concen: 6.62 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF097818.D
 Acq: 18 Aug 2017 6:56

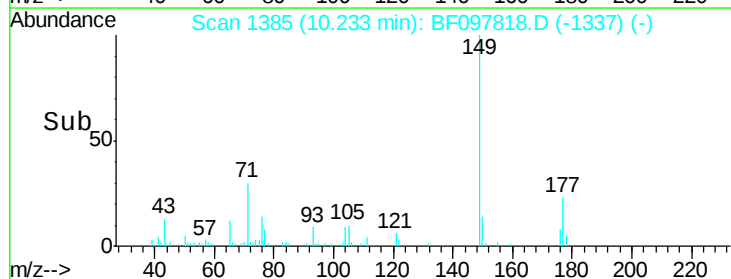
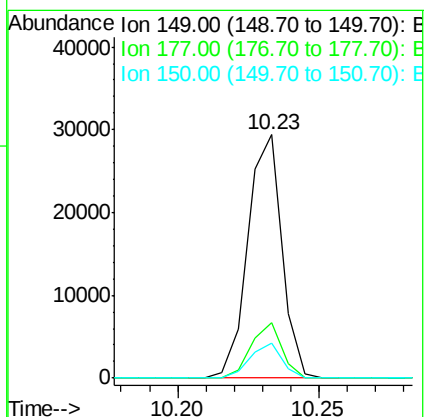
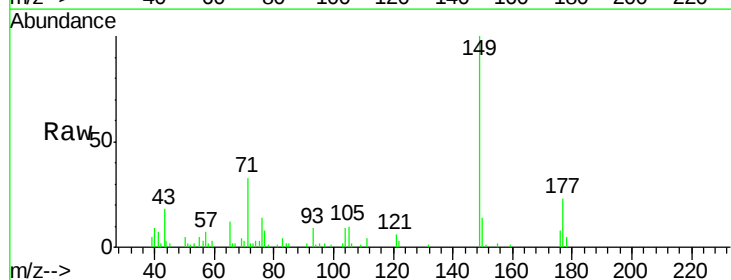
Instrument :
 BNA_F
 ClientSampleId :
 CEMENT-BLOCK

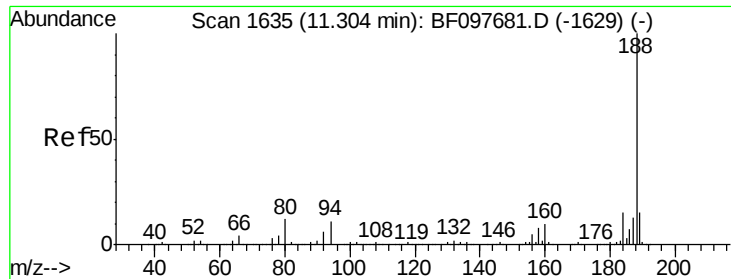
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	25.4	38.0#
89	2.6	46.4	69.6#
182	0.0	1.8	2.6#



#59
 Diethylphthalate
 Concen: 2.01 ng
 RT: 10.23 min Scan# 1385
 Delta R.T. -0.02 min
 Lab File: BF097818.D
 Acq: 18 Aug 2017 6:56

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.9	16.7	25.1
150	14.5	10.2	15.2

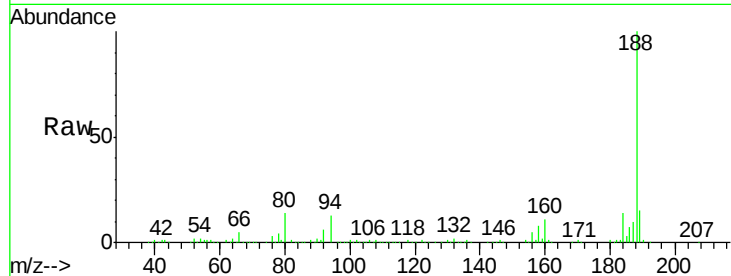




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF097818.D
Acq: 18 Aug 2017 6:56

Instrument :
BNA_F
ClientSampleId :
CEMENT-BLOCK

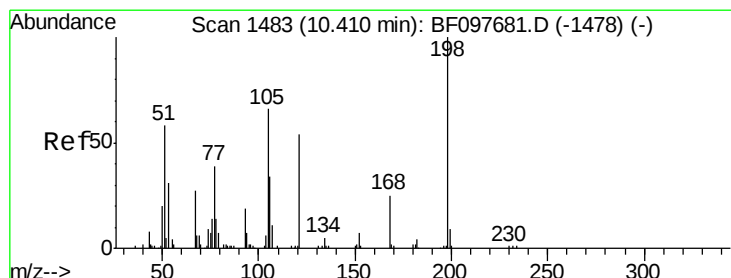
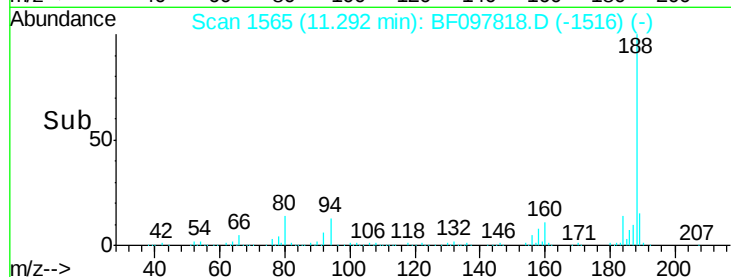
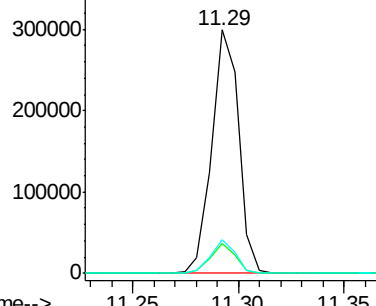
Tot Ion	Ratio	Lower	Upper
188	100		
94	12.5	9.4	14.2
80	13.7	10.2	15.2



Abundance Ion 188.00 (187.70 to 188.70): E

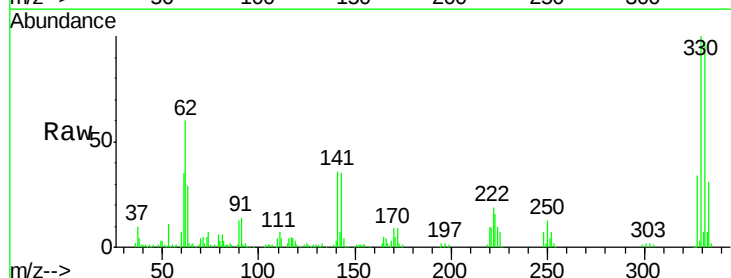
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64
4,6-Dinitro-2-methylphenol
Concen: 8.55 ng
RT: 10.60 min Scan# 1447
Delta R.T. 0.19 min
Lab File: BF097818.D
Acq: 18 Aug 2017 6:56

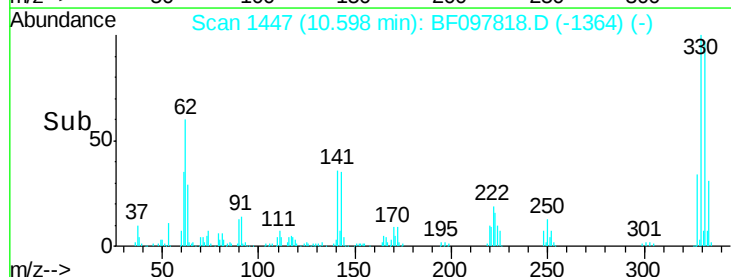
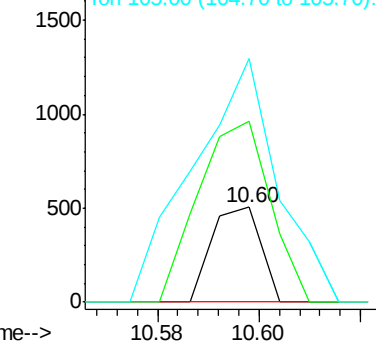
Tgt Ion	Ratio	Lower	Upper
198	100		
51	189.7	53.2	93.2#
105	256.1	45.8	85.8#

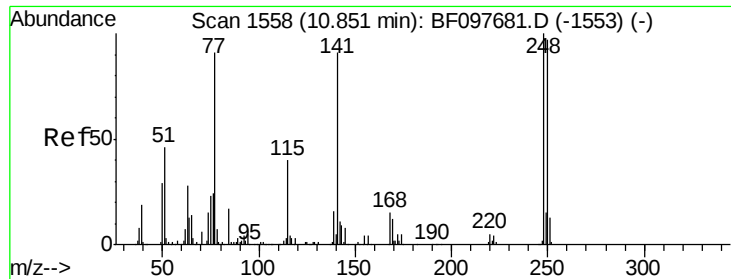


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

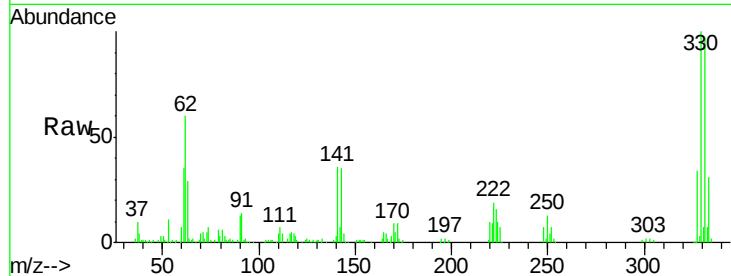




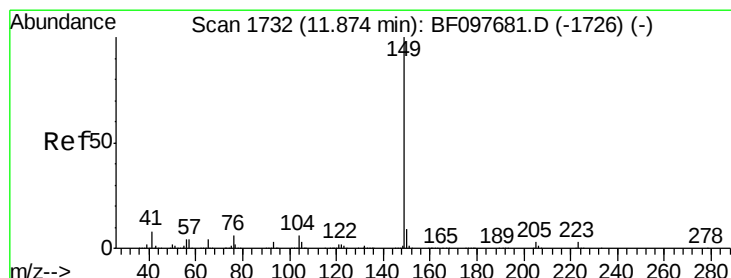
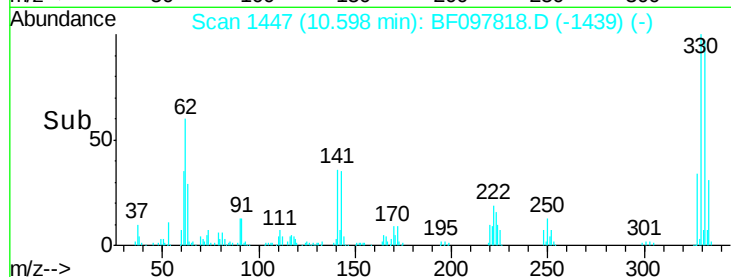
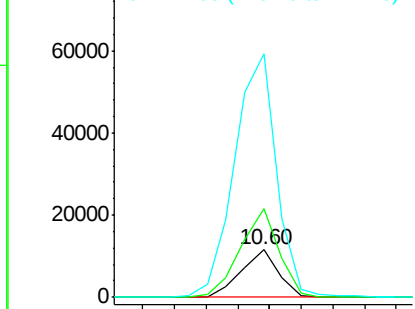
#66
 4-Bromophenyl-phenylether
 Concen: 3.38 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.25 min
 Lab File: BF097818.D
 Acq: 18 Aug 2017 6:56

Instrument :
 BNA_F
 ClientSampleId :
 CEMENT-BLOCK

Tot Ion:248 Resp: 9249
 Ion Ratio Lower Upper
 248 100
 250 187.4 76.8 115.2#
 141 514.1 68.6 103.0#

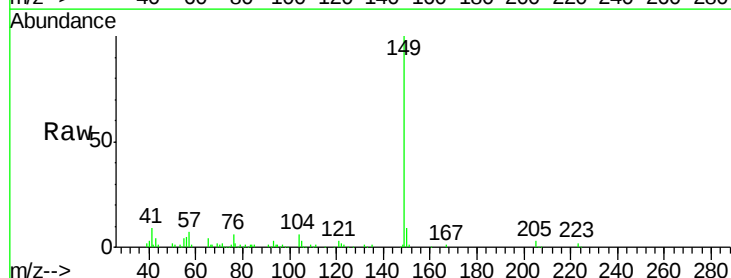


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

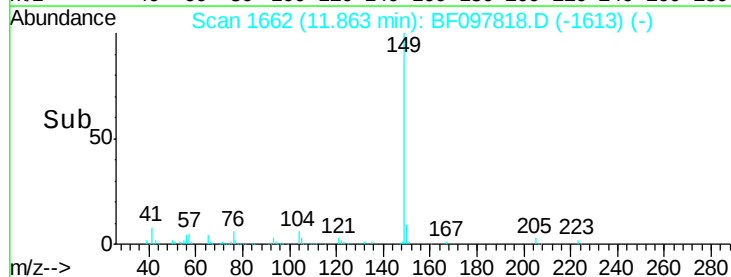
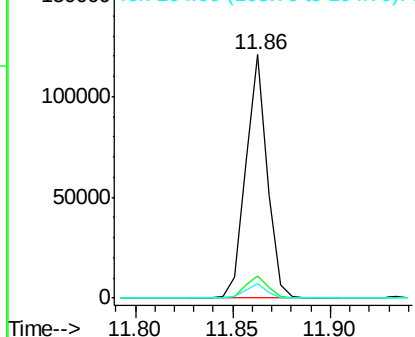


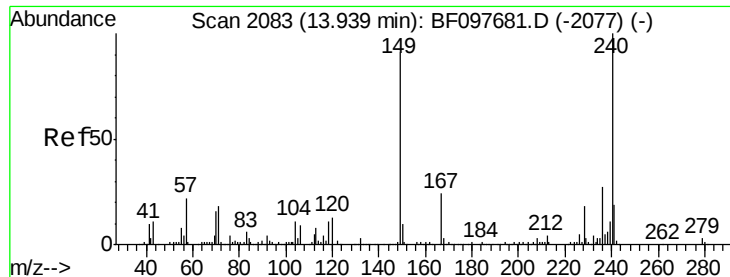
#73
 Di-n-butylphthalate
 Concen: 5.88 ng
 RT: 11.86 min Scan# 1662
 Delta R.T. -0.01 min
 Lab File: BF097818.D
 Acq: 18 Aug 2017 6:56

Tgt Ion:149 Resp: 91453
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.7 11.5
 104 5.9 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BF097818.D

Acq: 18 Aug 2017 6:56

Instrument :

BNA_F

ClientSampleId :

CEMENT-BLOCK

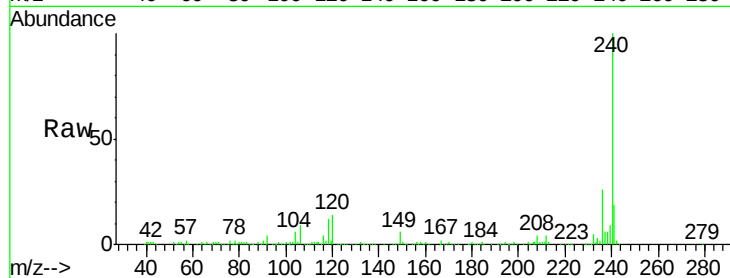
Tot Ion:240 Resp: 268937

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

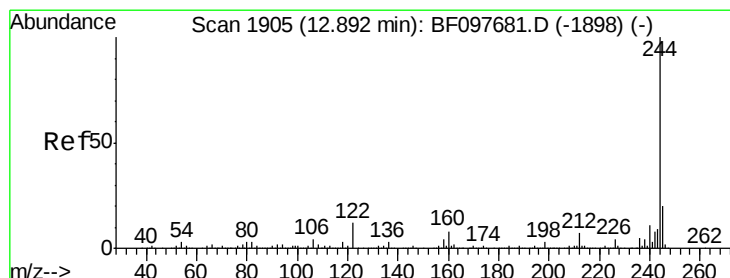
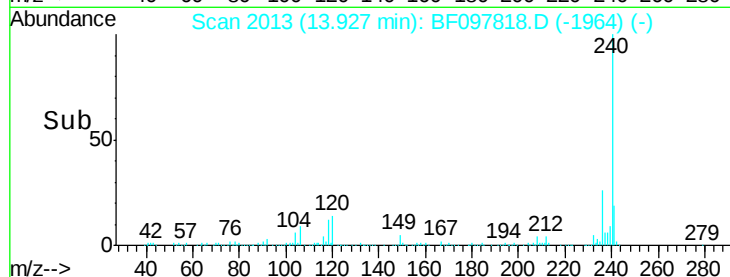
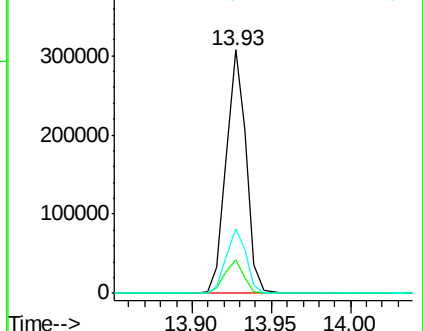
236 26.4 20.5 30.7



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: 51.54 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF097818.D

Acq: 18 Aug 2017 6:56

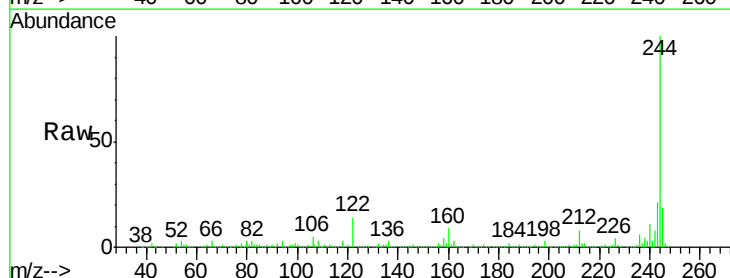
Tgt Ion:244 Resp: 664724

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

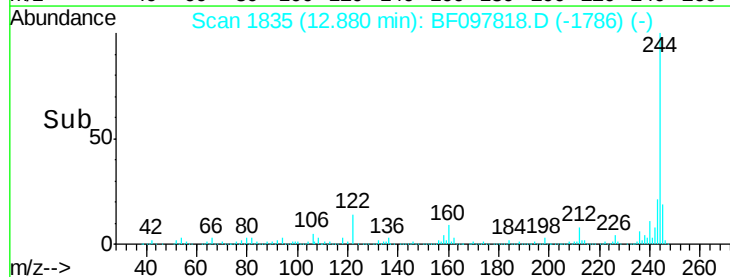
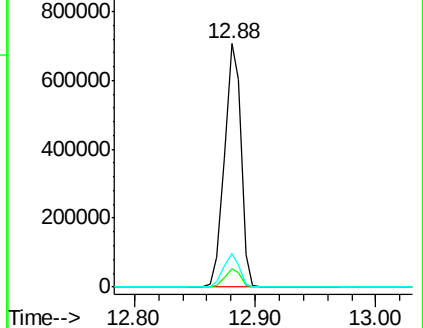
122 14.1 10.3 15.5

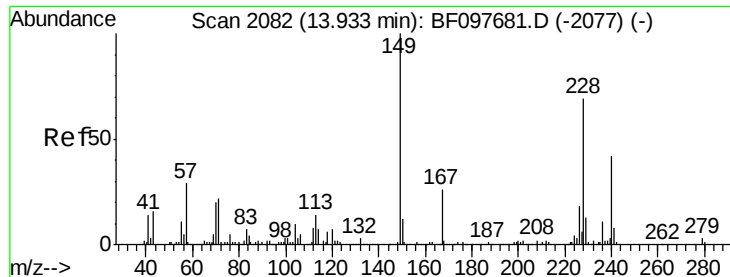


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

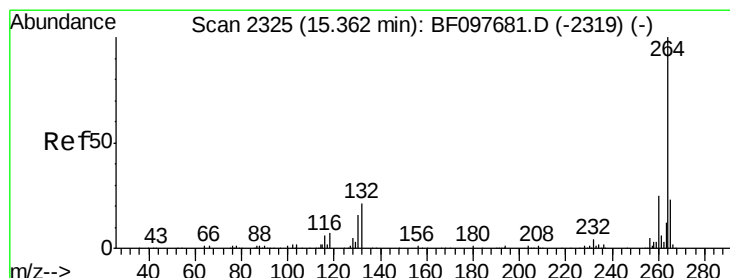
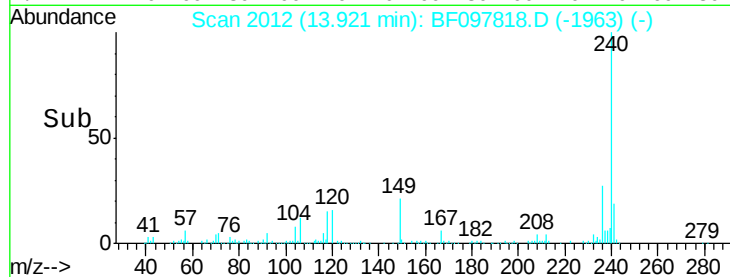
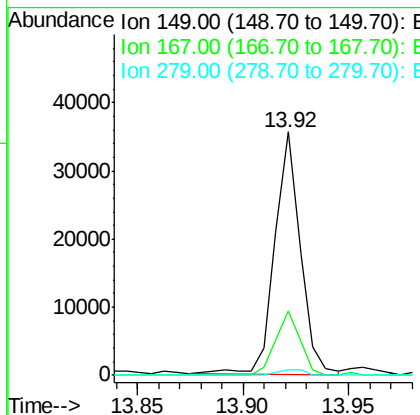
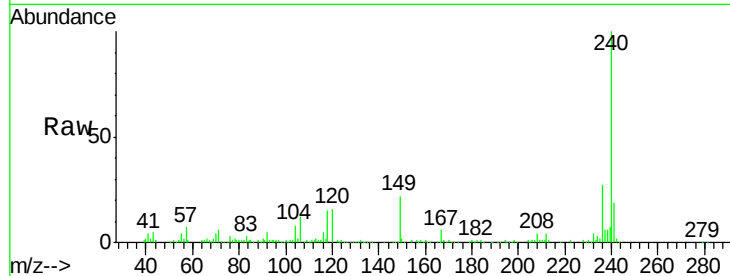




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.20 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF097818.D
 Acq: 18 Aug 2017 6:56

Instrument :
 BNA_F
 ClientSampleId :
 CEMENT-BLOCK

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.0	31.4
279	2.2	1.9	2.9



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 2256
 Delta R.T. -0.01 min
 Lab File: BF097818.D
 Acq: 18 Aug 2017 6:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	21.4	17.2	25.8

