

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097355.D
 Acq On : 4 Aug 2017 14:52
 Operator : SJ/JU
 Sample : I4588-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-16

Quant Time: Aug 04 16:57:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 16:25:29 2017
 Response via : Initial Calibration

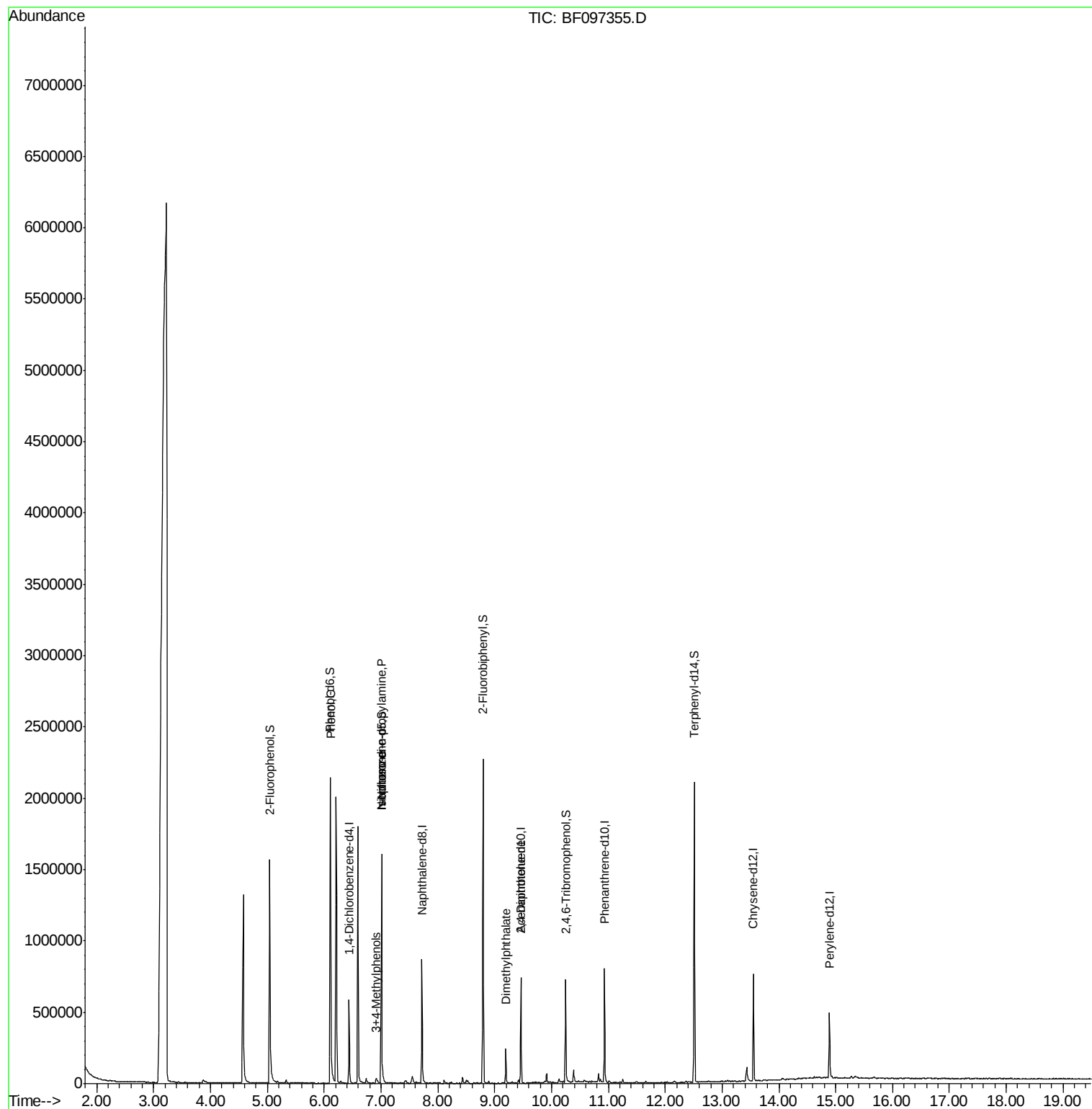
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	94149	20.00	ng	0.00
21) Naphthalene-d8	7.72	136	408273	20.00	ng	0.00
38) Acenaphthene-d10	9.46	164	157979	20.00	ng	-0.01
63) Phenanthrene-d10	10.93	188	280373	20.00	ng	0.00
75) Chrysene-d12	13.55	240	250654	20.00	ng	-0.01
86) Perylene-d12	14.89	264	192708	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	500404	80.12	ng	0.00
7) Phenol-d6	6.10	99	821241	115.18	ng	-0.01
23) Nitrobenzene-d5	7.01	82	500132	71.86	ng	0.00
41) 2,4,6-Tribromophenol	10.25	330	77072	61.75	ng	-0.01
44) 2-Fluorobiphenyl	8.80	172	788524	84.71	ng	0.00
78) Terphenyl-d14	12.52	244	655105	53.29	ng	0.00
Target Compounds						
10) Phenol	6.12	94	46854	5.540	ng	Qvalue 87
19) n-Nitroso-di-n-propylamine	7.01	70	65799	14.020	ng	# 88
20) 3+4-Methylphenols	6.92	107	20786	3.088	ng	# 64
25) Isophorone	7.01	82	485719	35.638	ng	# 67
49) Dimethylphthalate	9.20	163	107983	9.001	ng	99
56) 2,4-Dinitrotoluene	9.46	165	19957	6.823	ng	# 33

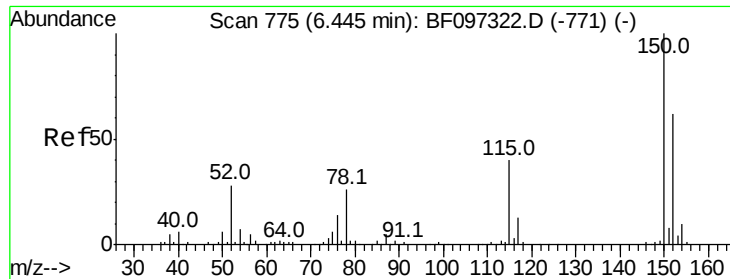
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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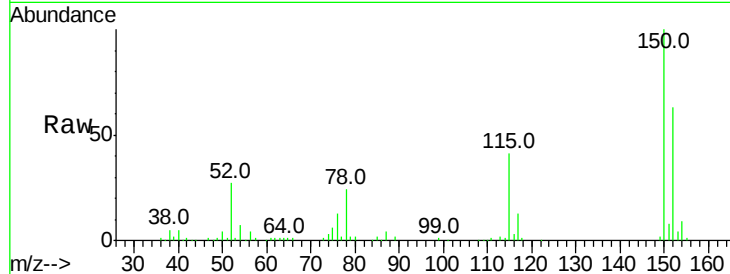


#1

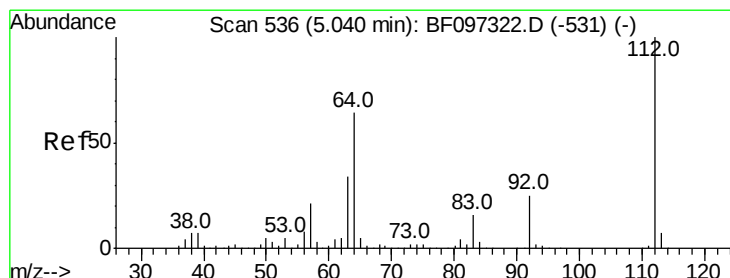
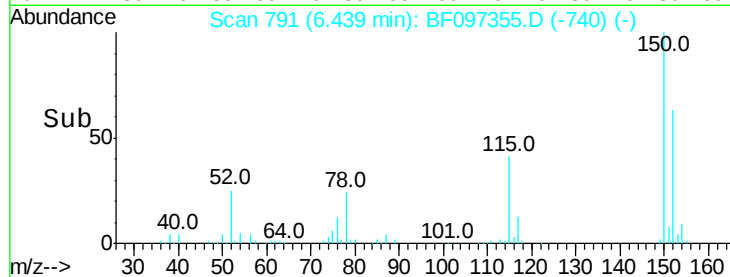
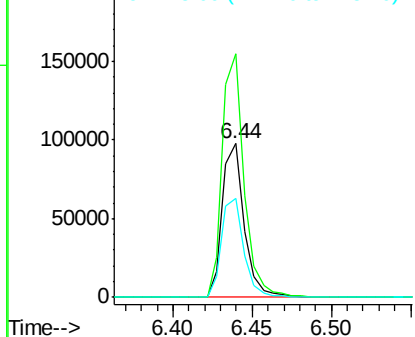
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.44 min Scan# 791
Delta R.T. -0.00 min
Lab File: BF097355.D
Acq: 4 Aug 2017 14:52

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-16

Tot Ion:152 Resp: 94149
Ion Ratio Lower Upper
152 100
150 158.5 126.2 189.2
115 64.6 52.2 78.2



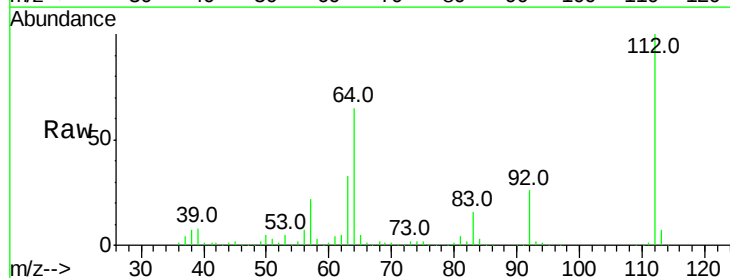
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



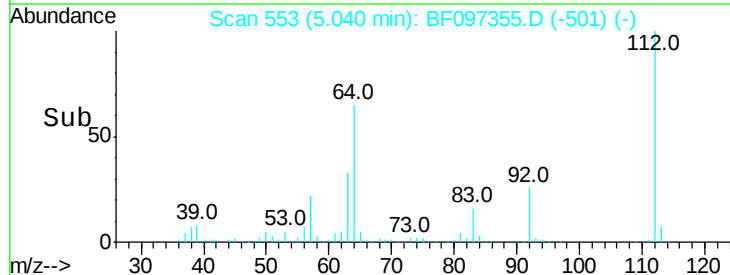
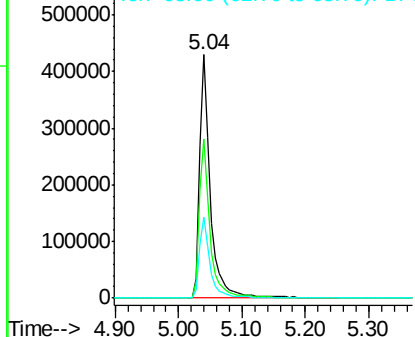
#5

2-Fluorophenol
Concen: 80.123 ng
RT: 5.04 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF097355.D
Acq: 4 Aug 2017 14:52

Tgt Ion:112 Resp: 500404
Ion Ratio Lower Upper
112 100
64 65.3 46.0 69.0
63 33.4 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

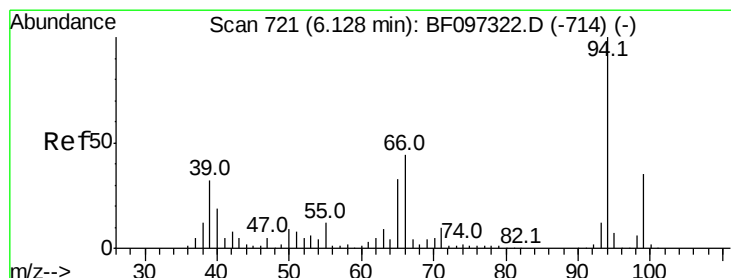
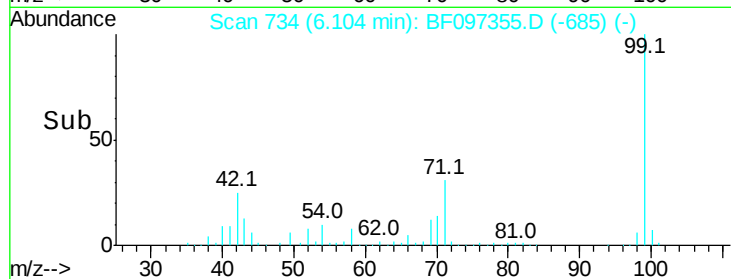
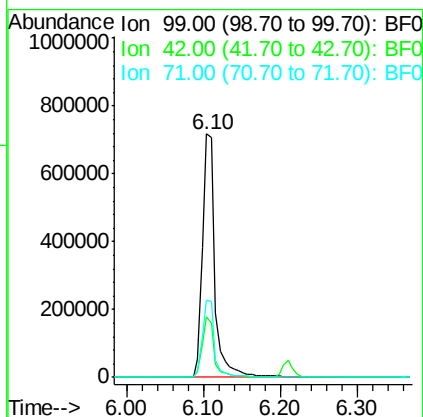
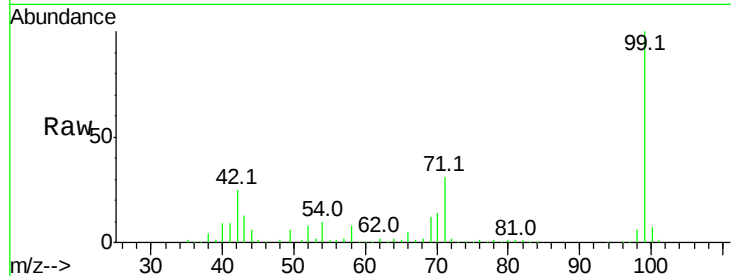




#7
 Phenol-d6
 Concen: 115.183 ng
 RT: 6.10 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: BF097355.D
 Acq: 4 Aug 2017 14:52

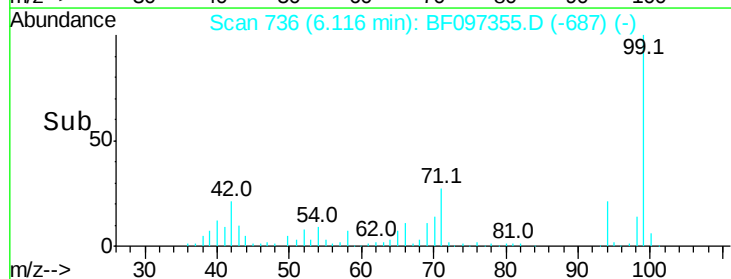
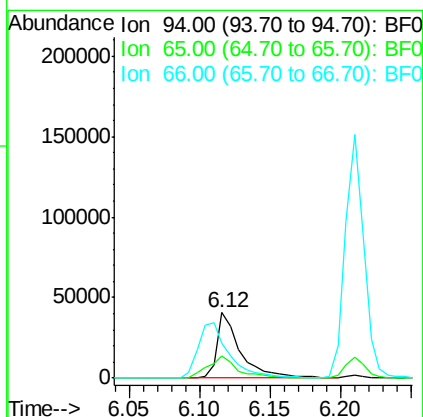
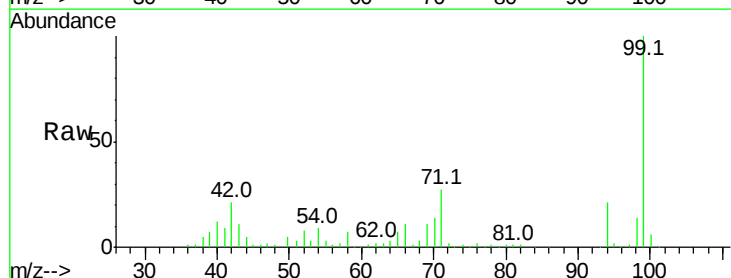
Instrument :
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 ClientSampleId :
 E2-CONCRETE-BATCH-16

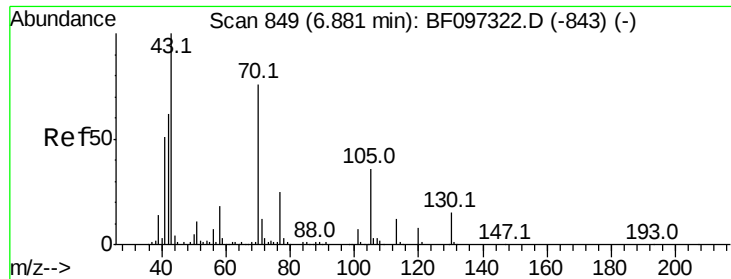
Tot Ion: 99 Resp: 821241
 Ion Ratio Lower Upper
 99 100
 42 24.8 13.5 20.3#
 71 31.5 24.5 36.7



#10
 Phenol
 Concen: 5.540 ng
 RT: 6.12 min Scan# 736
 Delta R.T. -0.01 min
 Lab File: BF097355.D
 Acq: 4 Aug 2017 14:52

Tgt Ion: 94 Resp: 46854
 Ion Ratio Lower Upper
 94 100
 65 34.3 9.9 49.9
 66 53.7 23.1 63.1

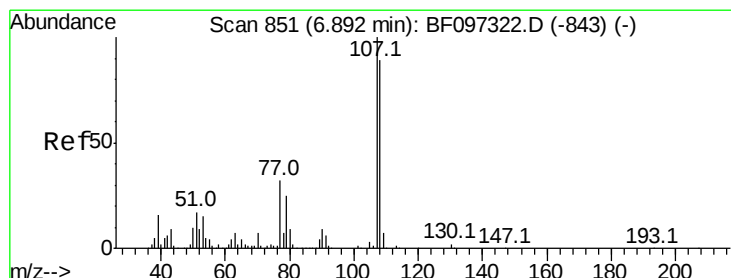
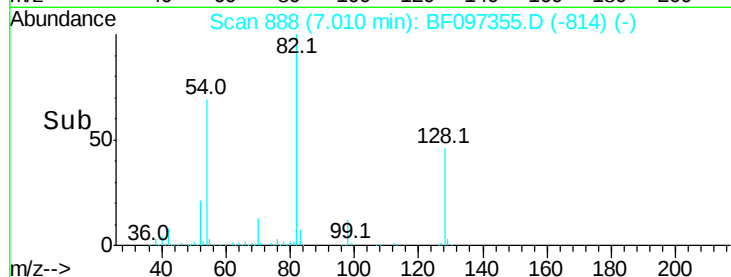
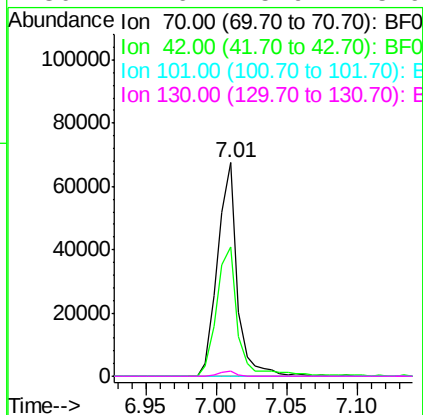
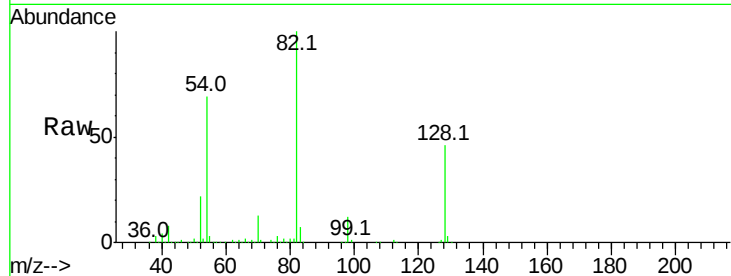




#19
n-Nitroso-di-n-propylamine
Concen: 14.020 ng
RT: 7.01 min Scan# 888
Delta R.T. 0.14 min
Lab File: BF097355.D
Acq: 4 Aug 2017 14:52

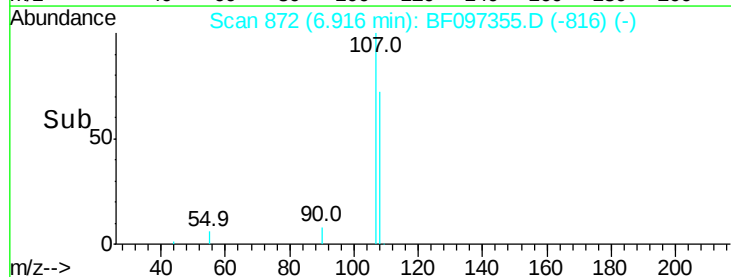
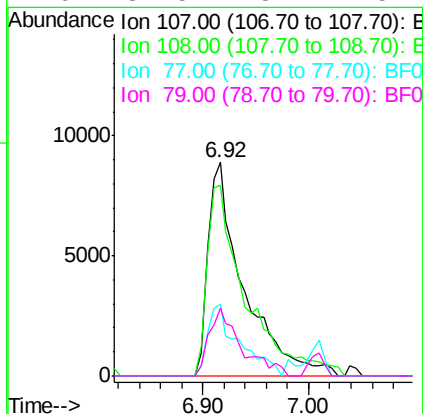
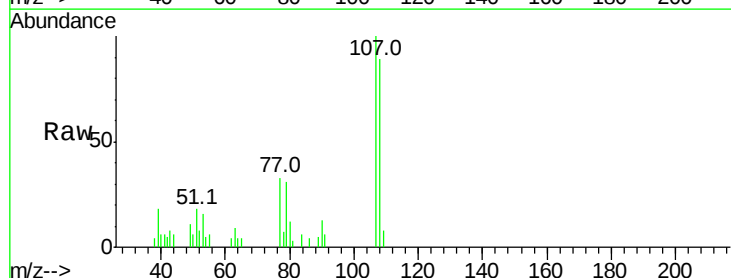
Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-16

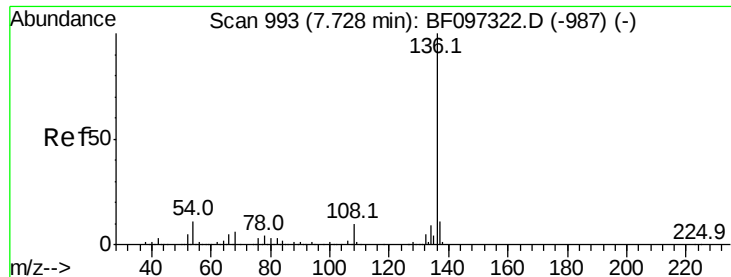
Tot Ion: 70 Resp: 65799
Ion Ratio Lower Upper
70 100
42 60.3 47.2 70.8
101 0.0 7.2 10.8#
130 2.6 15.9 23.9#



#20
3+4-Methylphenols
Concen: 3.088 ng
RT: 6.92 min Scan# 872
Delta R.T. 0.03 min
Lab File: BF097355.D
Acq: 4 Aug 2017 14:52

Tgt Ion:107 Resp: 20786
Ion Ratio Lower Upper
107 100
108 89.4 71.0 111.0
77 33.3 90.5 130.5#
79 31.5 8.4 48.4

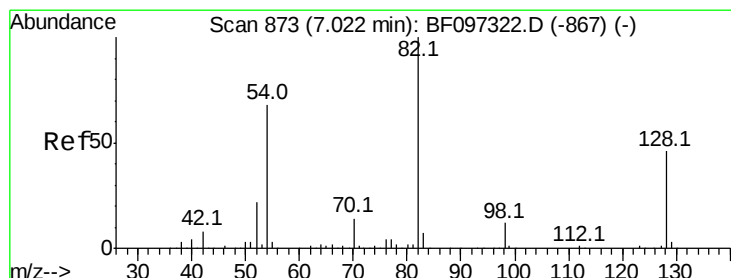
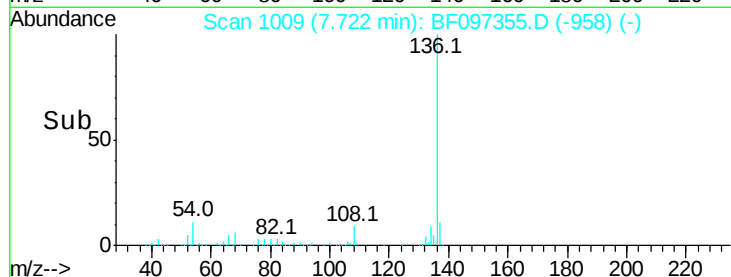
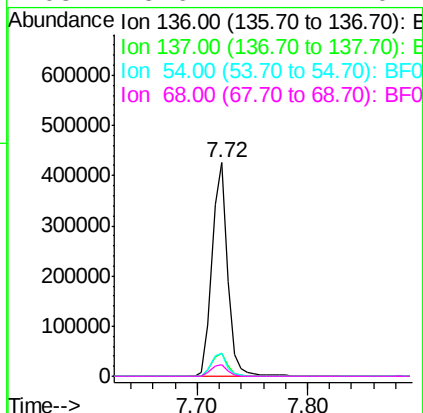
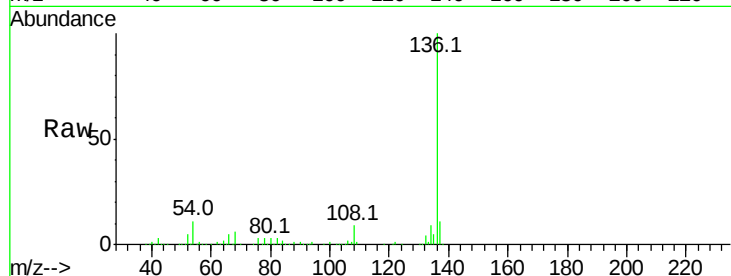




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.72 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF097355.D
Acq: 4 Aug 2017 14:52

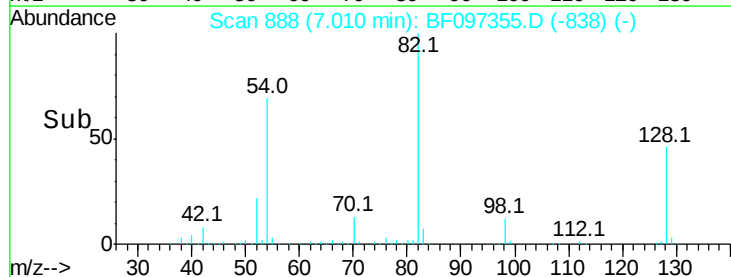
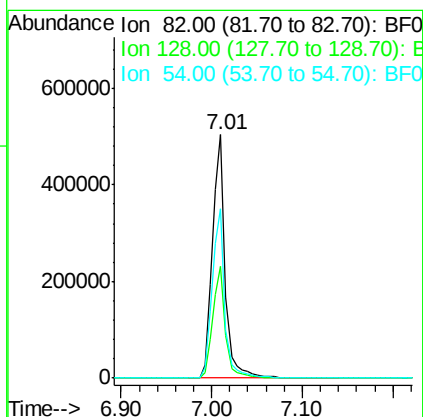
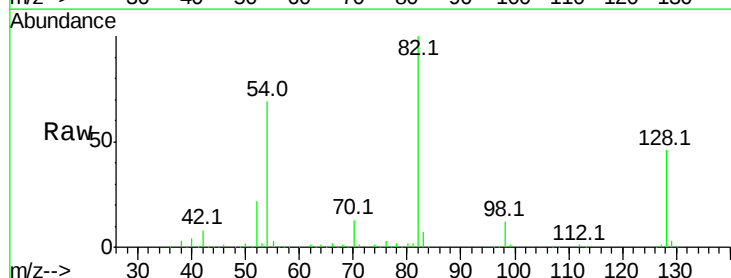
Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-16

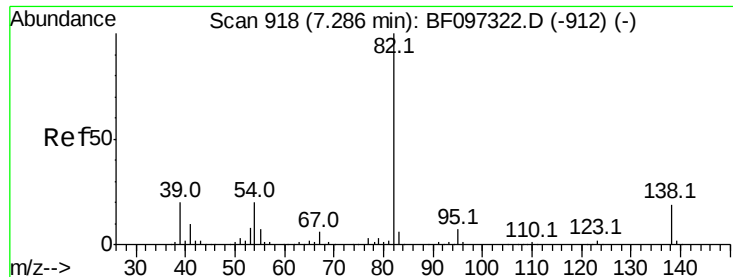
Tot Ion:	136	Resp:	408273
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	10.7	4.9	7.3#
68	5.6	4.1	6.1



#23
Nitrobenzene-d5
Concen: 71.863 ng
RT: 7.01 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF097355.D
Acq: 4 Aug 2017 14:52

Tgt Ion:	82	Resp:	500132
Ion	Ratio	Lower	Upper
82	100		
128	46.1	34.0	51.0
54	69.4	42.2	63.2#





#25

Isophorone

Concen: 35.638 ng

RT: 7.01 min Scan# 888

Delta R.T. -0.27 min

Lab File: BF097355.D

Acq: 4 Aug 2017 14:52

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-BATCH-16

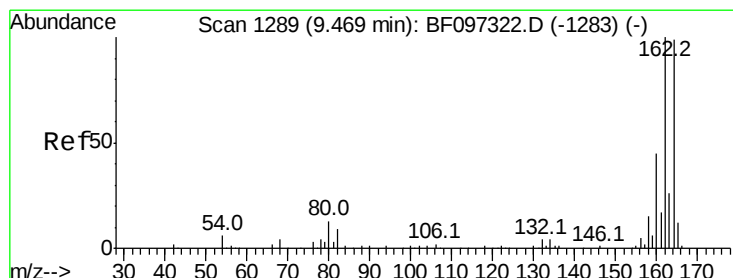
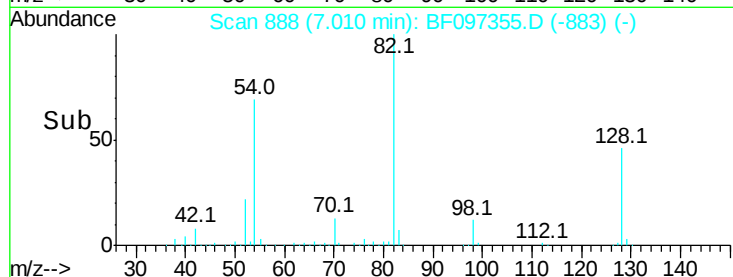
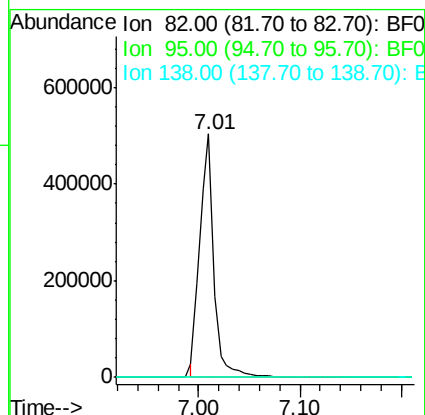
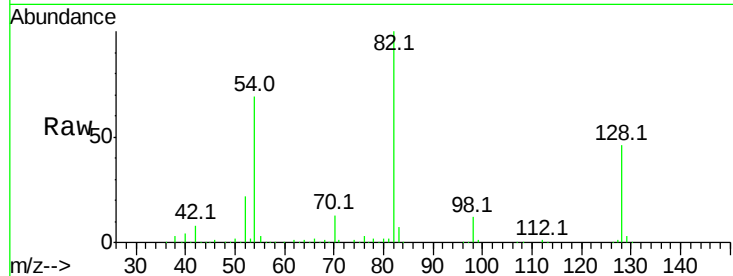
Tot Ion: 82 Resp: 485719

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.46 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF097355.D

Acq: 4 Aug 2017 14:52

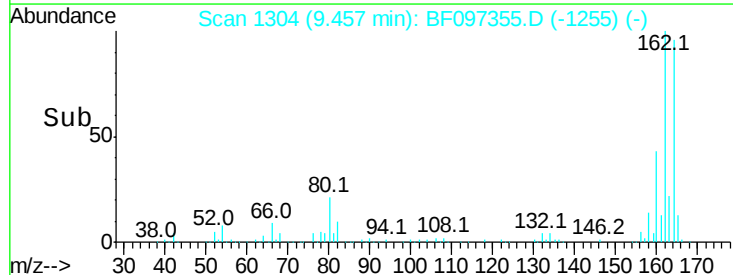
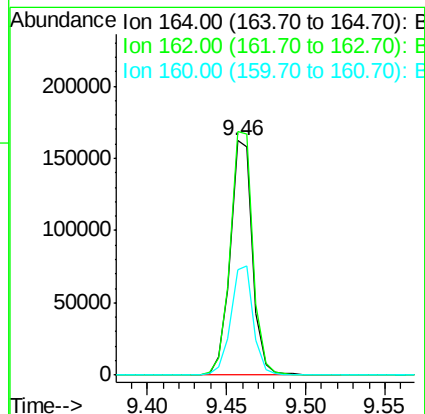
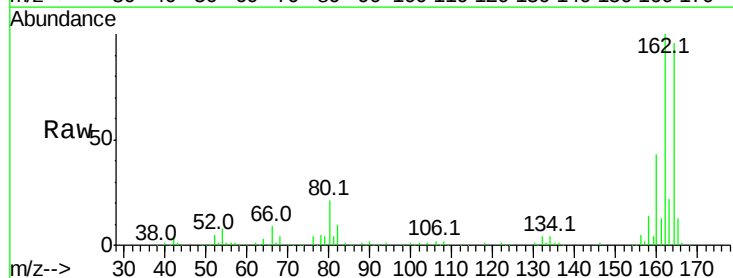
Tgt Ion:164 Resp: 157979

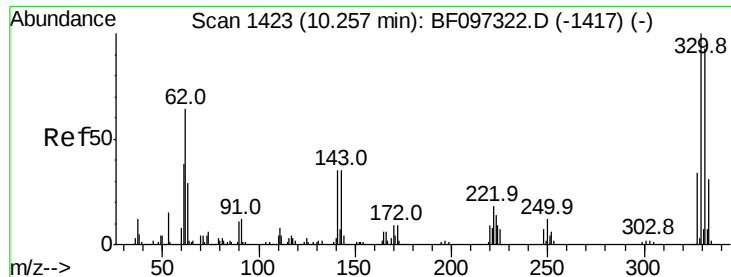
Ion Ratio Lower Upper

164 100

162 103.9 82.6 123.8

160 45.1 36.2 54.2

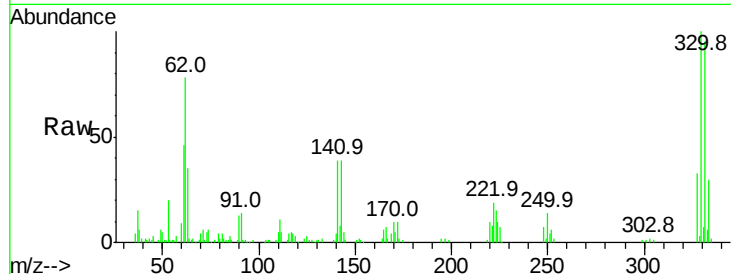




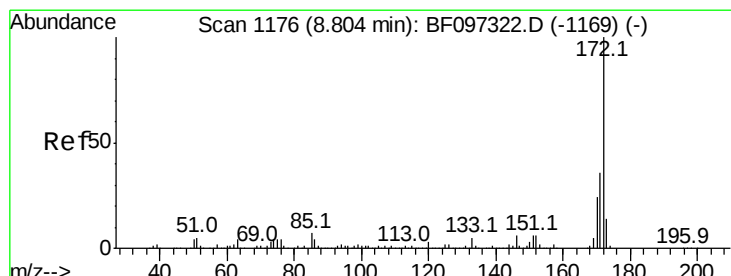
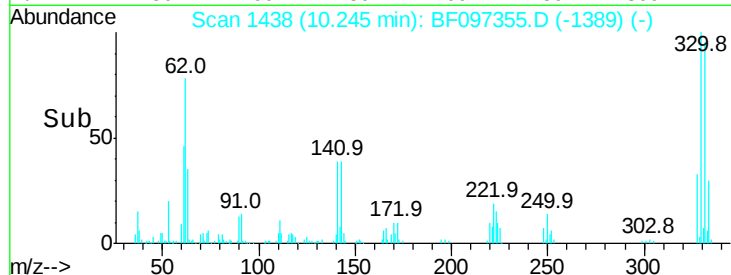
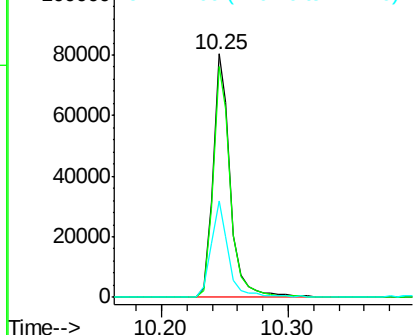
#41
 2,4,6-Tribromophenol
 Concen: 61.747 ng
 RT: 10.25 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF097355.D
 Acq: 4 Aug 2017 14:52

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-16

Tot Ion:330 Resp: 77072
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.6 115.0
 141 39.4 31.4 47.2

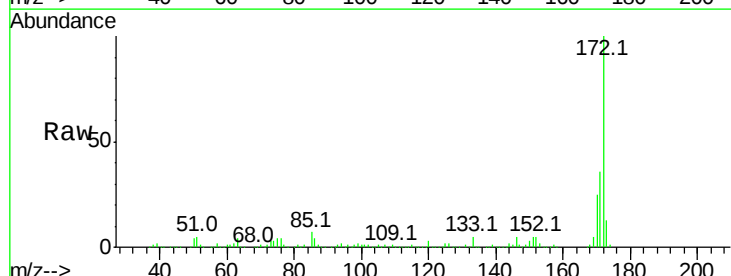


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

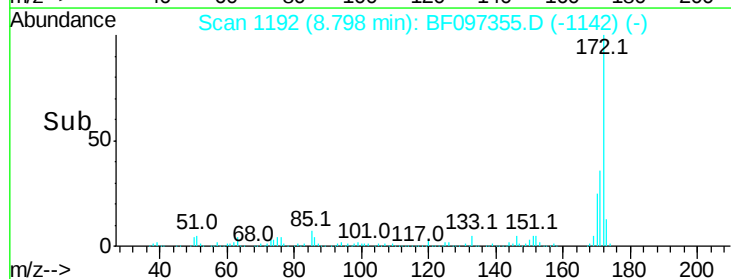
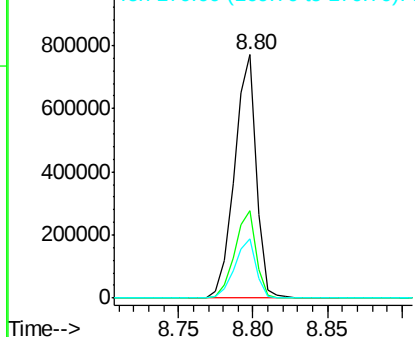


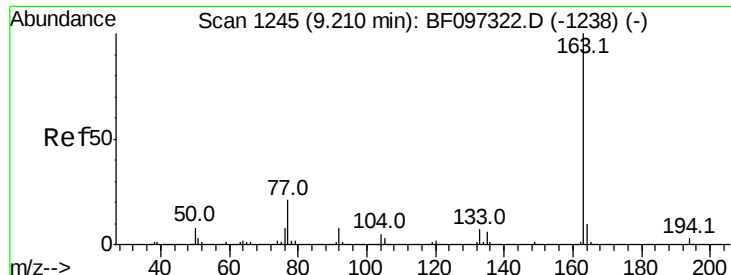
#44
 2-Fluorobiphenyl
 Concen: 84.708 ng
 RT: 8.80 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF097355.D
 Acq: 4 Aug 2017 14:52

Tgt Ion:172 Resp: 788524
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 24.6 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

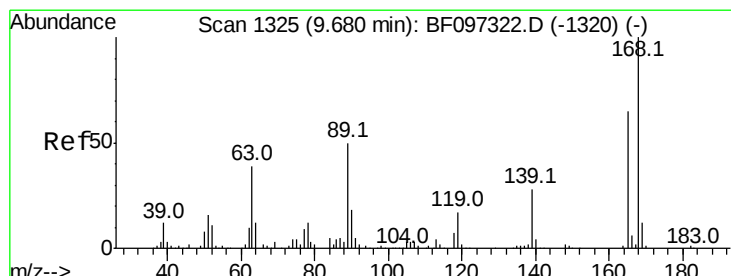
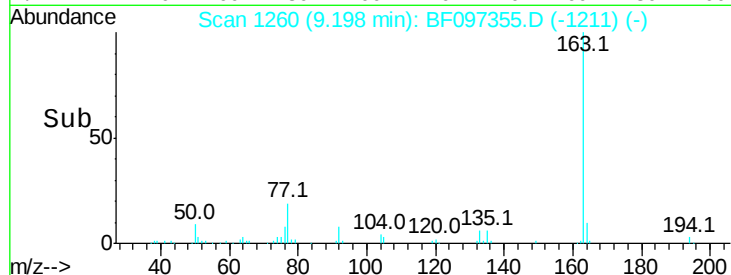
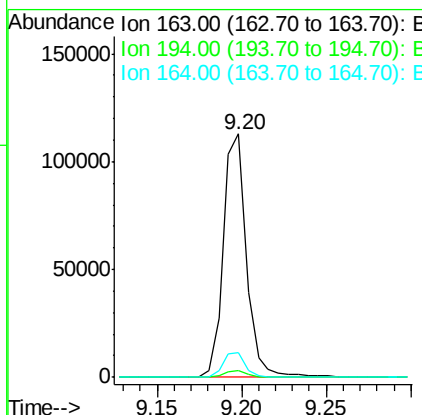
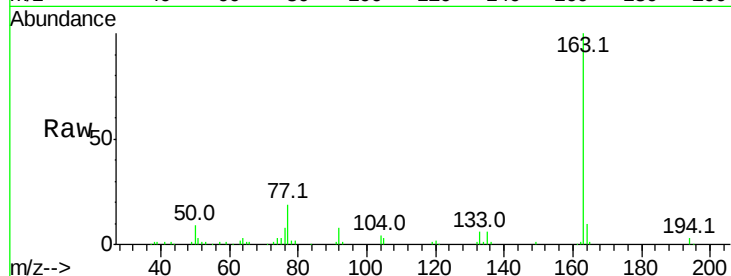




#49
 Dimethylphthalate
 Concen: 9.001 ng
 RT: 9.20 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: BF097355.D
 Acq: 4 Aug 2017 14:52

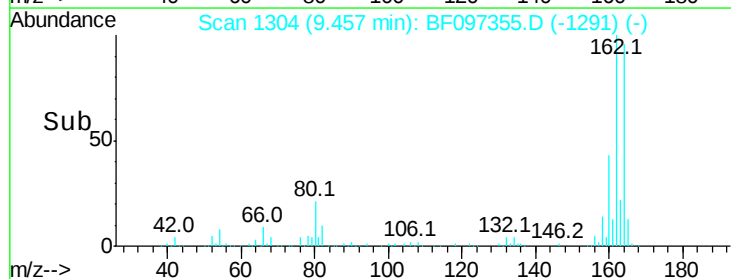
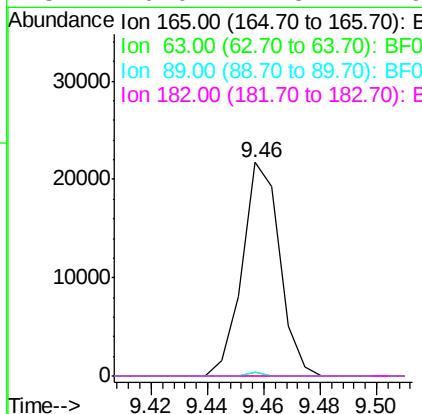
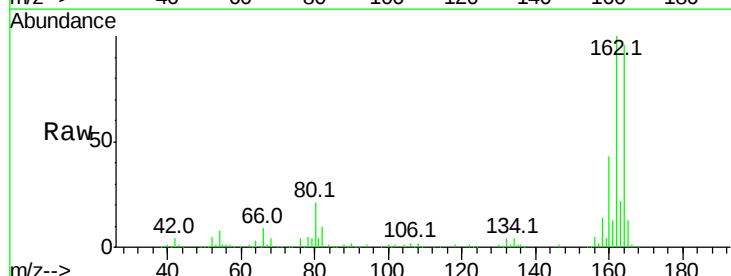
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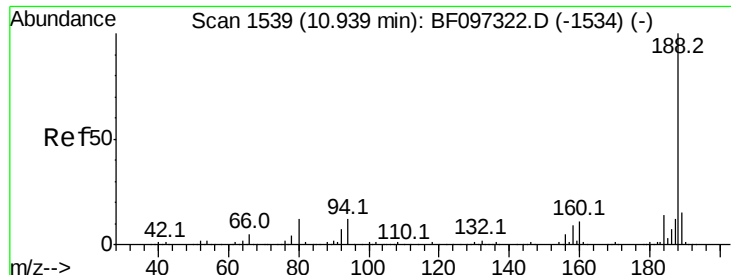
Tot Ion:	163	Resp:	107983
Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	10.0	8.4	12.6



#56
 2,4-Dinitrotoluene
 Concen: 6.823 ng
 RT: 9.46 min Scan# 1304
 Delta R.T. -0.22 min
 Lab File: BF097355.D
 Acq: 4 Aug 2017 14:52

Tgt Ion:	165	Resp:	19957
Ion	Ratio	Lower	Upper
165	100		
63	1.6	25.4	38.0#
89	1.8	46.4	69.6#
182	0.0	1.8	2.6#

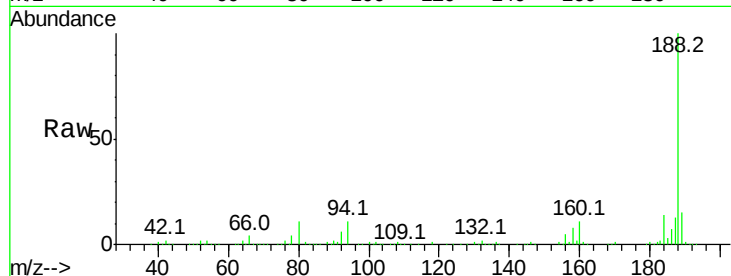




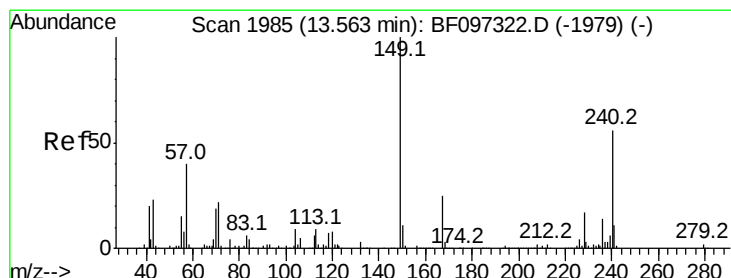
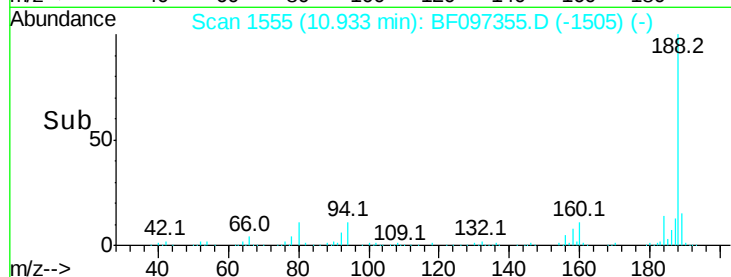
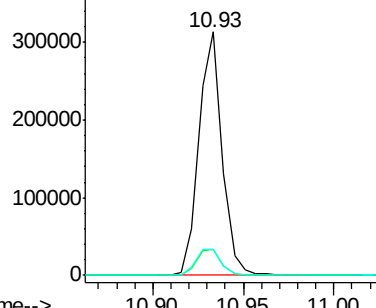
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.93 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF097355.D
Acq: 4 Aug 2017 14:52

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-16

Tot Ion:188 Resp: 280373
Ion Ratio Lower Upper
188 100
94 10.7 9.4 14.2
80 10.6 10.2 15.2

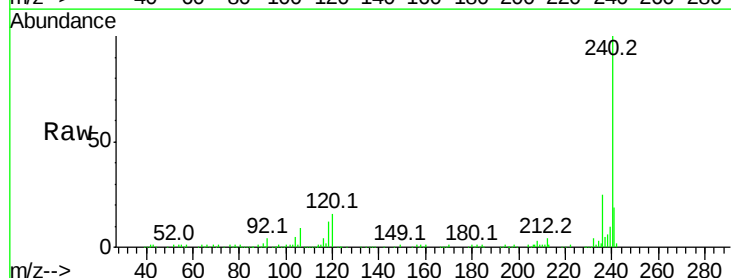


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

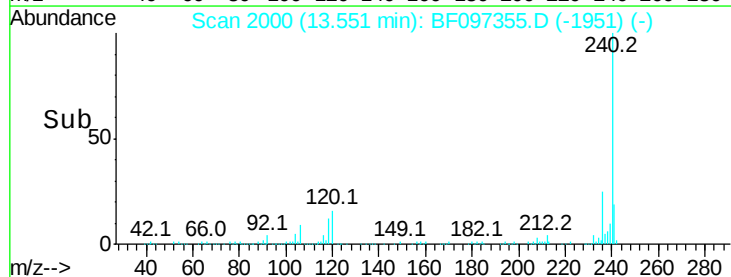
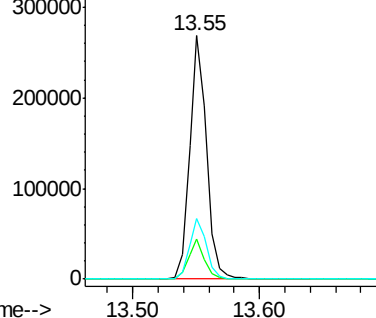


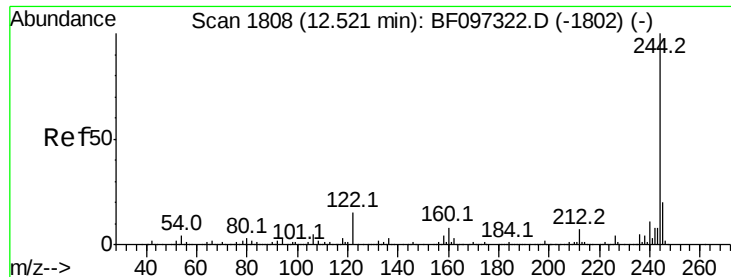
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.55 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF097355.D
Acq: 4 Aug 2017 14:52

Tgt Ion:240 Resp: 250654
Ion Ratio Lower Upper
240 100
120 16.4 5.8 8.8#
236 25.1 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: 53.287 ng

RT: 12.52 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF097355.D

Acq: 4 Aug 2017 14:52

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-BATCH-16

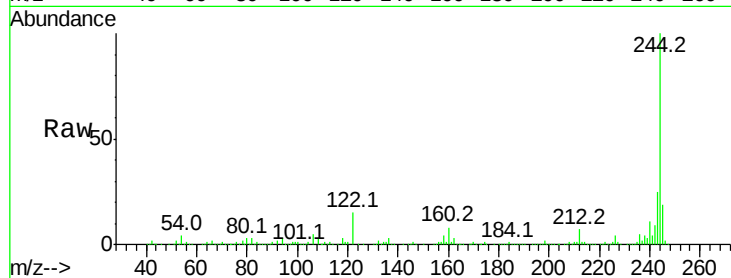
Tot Ion:244 Resp: 655105

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

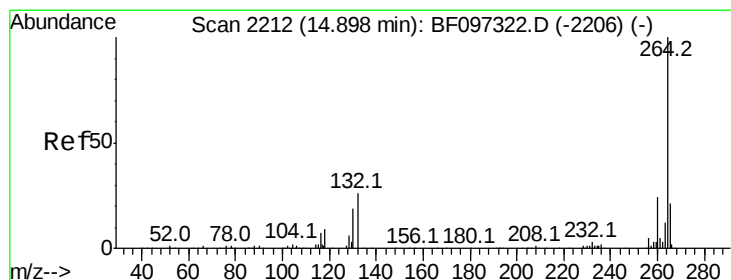
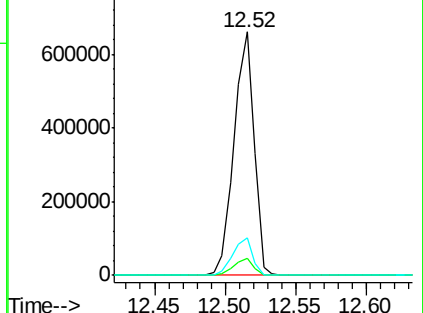
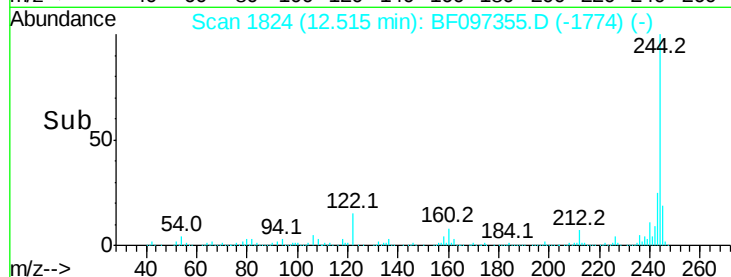
122 15.3 10.3 15.5



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 14.89 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BF097355.D

Acq: 4 Aug 2017 14:52

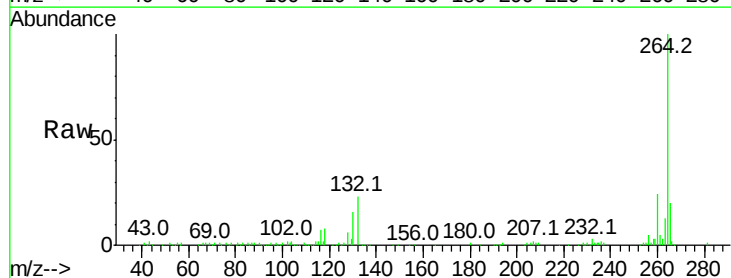
Tgt Ion:264 Resp: 192708

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

265 20.3 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

