

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG091718\
 Data File : BG036768.D
 Acq On : 18 Sep 2018 1:25
 Operator : JU/SJ
 Sample : J4935-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PHASE-1-CONCRETE

Quant Time: Sep 18 07:11:16 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 31 13:03:20 2018
 Response via : Initial Calibration

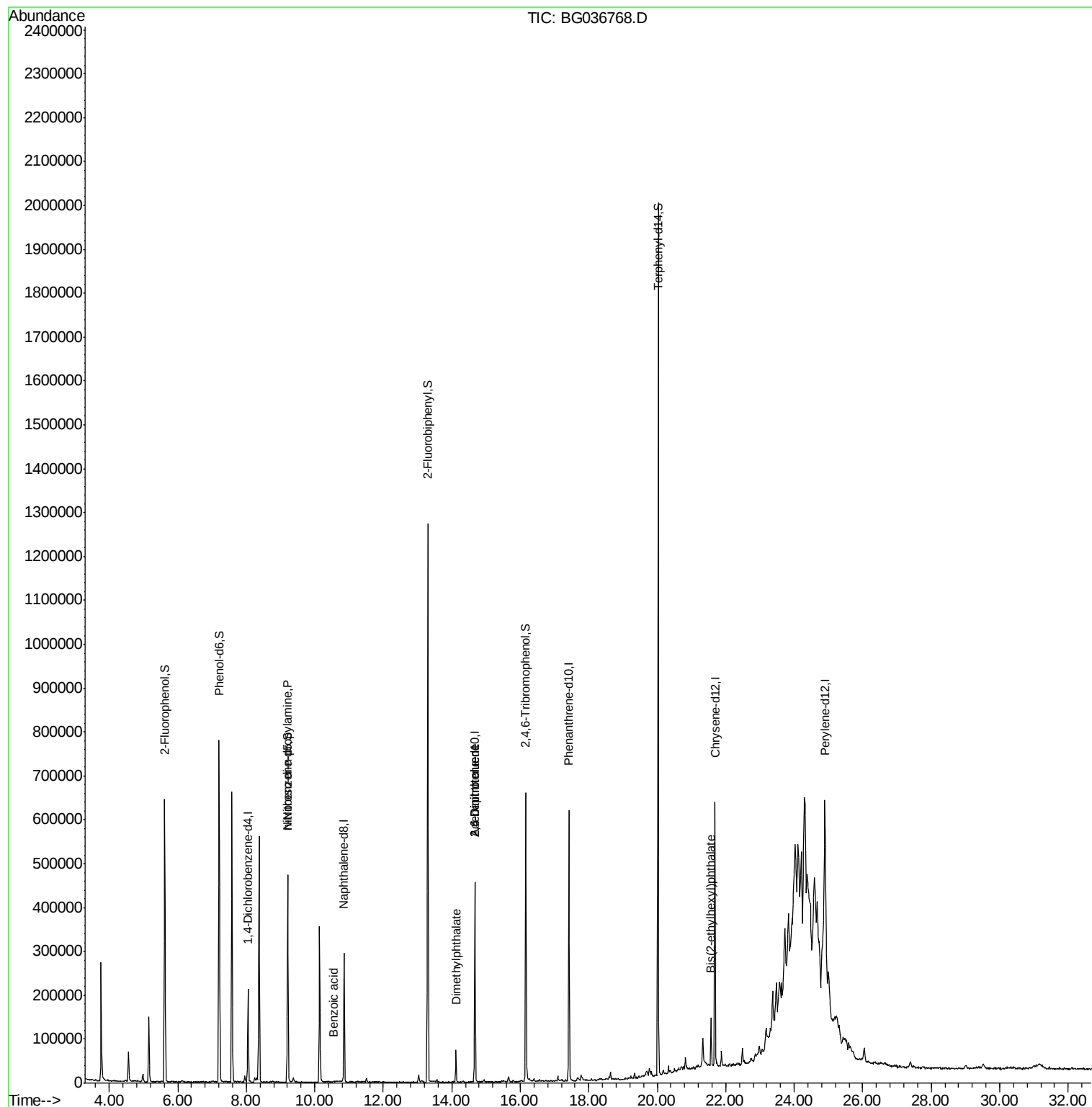
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	61306	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	247513	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	157442	20.00	ng	-0.01
63) Phenanthrene-d10	17.42	188	381255	20.00	ng	-0.01
75) Chrysene-d12	21.68	240	371786	20.00	ng	-0.01
86) Perylene-d12	24.89	264	332073	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	273164	70.68	ng	0.00
7) Phenol-d6	7.21	99	435334	78.67	ng	-0.01
23) Nitrobenzene-d5	9.21	82	284441	62.35	ng	-0.01
41) 2,4,6-Tribromophenol	16.16	330	120612	64.20	ng	-0.01
44) 2-Fluorobiphenyl	13.30	172	660909	59.94	ng	-0.01
78) Terphenyl-d14	20.03	244	1013857	63.74	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	37904	9.166	ng	# 70
32) Benzoic acid	10.53	122	55	4.498	ng	# 1
49) Dimethylphthalate	14.12	163	47680	3.709	ng	98
50) 2,6-Dinitrotoluene	14.67	165	20958	7.922	ng	# 21
56) 2,4-Dinitrotoluene	14.67	165	20958	6.079	ng	# 19
83) Bis(2-ethylhexyl)phthalate	21.57	149	43240	3.396	ng	96

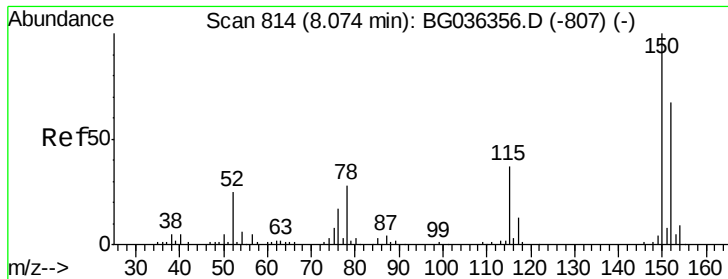
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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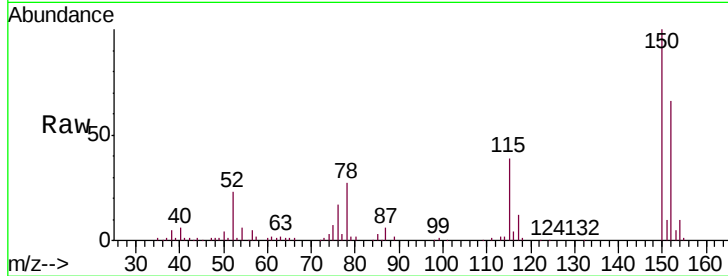


#1

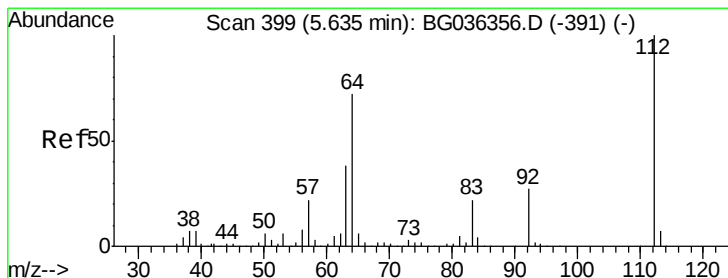
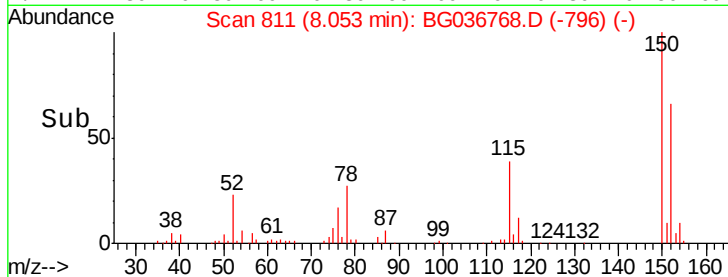
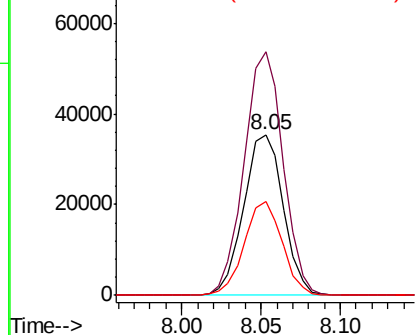
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BG036768.D
 Acq: 18 Sep 2018 1:25

Instrument :
 BNA_G
 ClientSampleId :
 PHASE-1-CONCRETE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.7	119.5	179.3
115	58.7	44.5	66.7



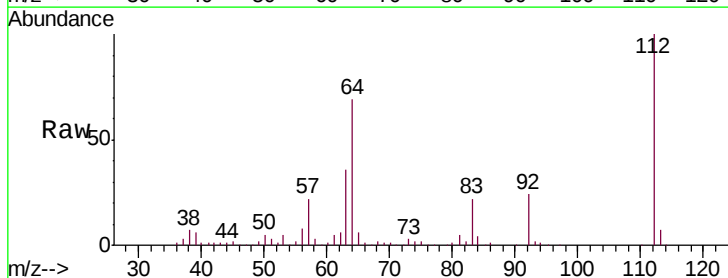
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



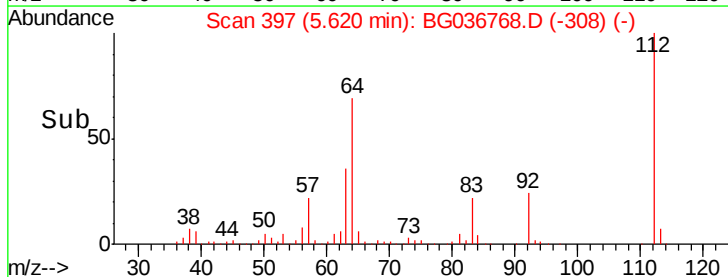
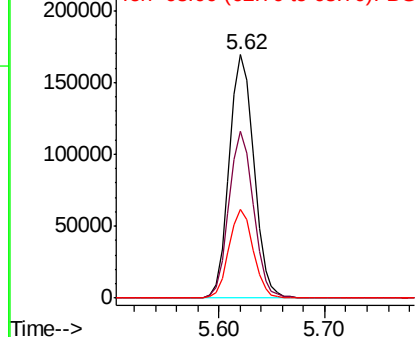
#5

2-Fluorophenol
 Concen: 70.681 ng
 RT: 5.62 min Scan# 397
 Delta R.T. -0.00 min
 Lab File: BG036768.D
 Acq: 18 Sep 2018 1:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.7	57.2	85.8
63	36.3	30.8	46.2



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BG
 Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 78.675 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036768.D

Acq: 18 Sep 2018 1:25

Instrument :

BNA_G

ClientSampleId :

PHASE-1-CONCRETE

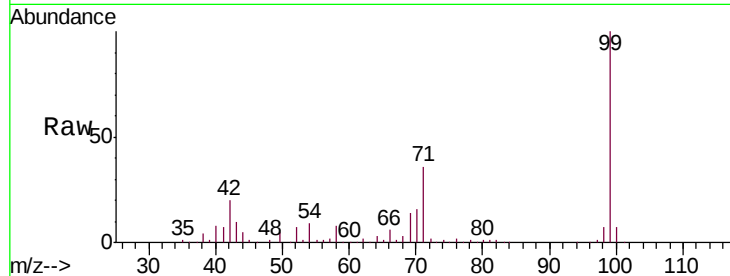
Tgt Ion: 99 Resp: 435334

Ion Ratio Lower Upper

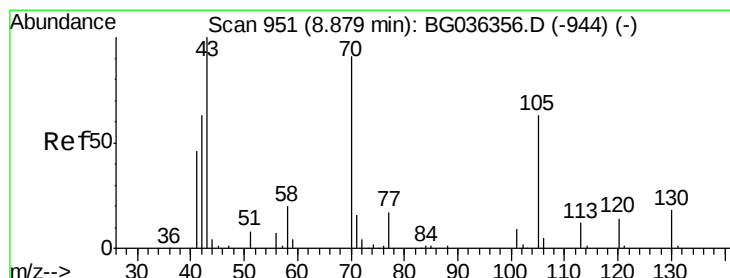
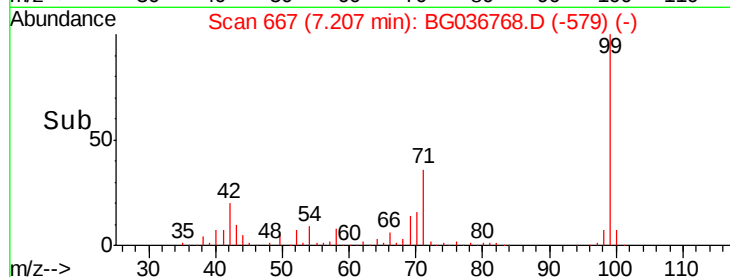
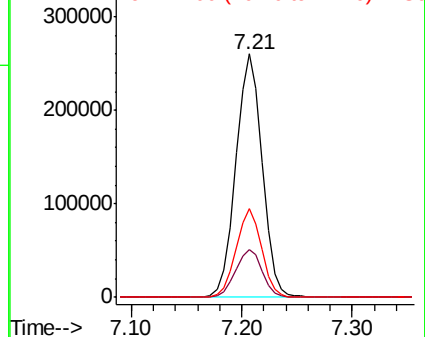
99 100

42 19.8 16.5 24.7

71 36.4 29.4 44.2



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 9.166 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.35 min

Lab File: BG036768.D

Acq: 18 Sep 2018 1:25

Tgt Ion: 70 Resp: 37904

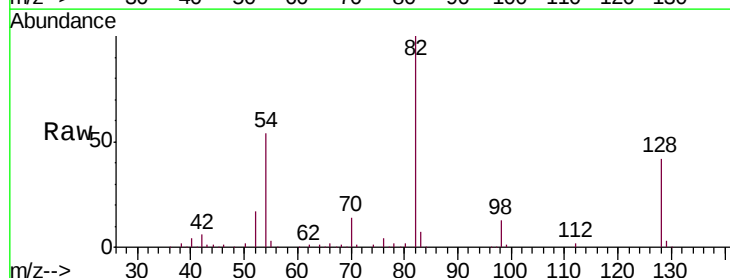
Ion Ratio Lower Upper

70 100

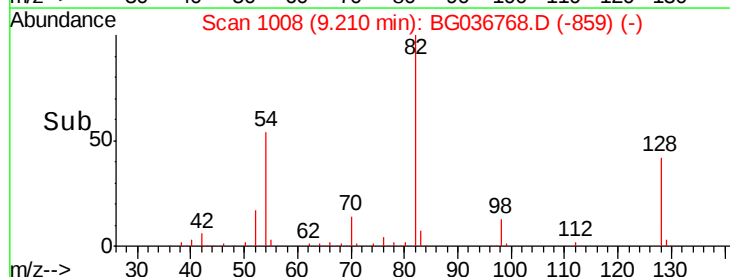
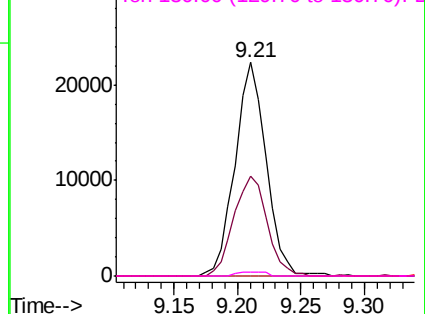
42 46.9 56.2 84.4#

101 0.0 7.8 11.6#

130 2.1 16.2 24.2#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

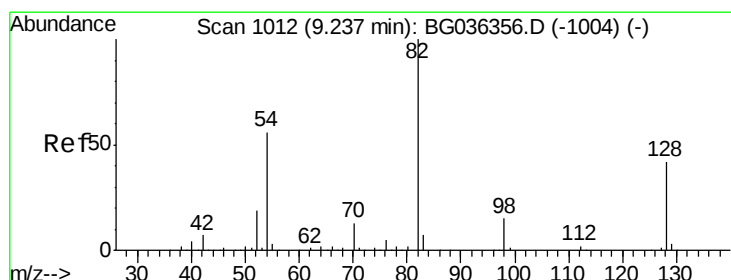
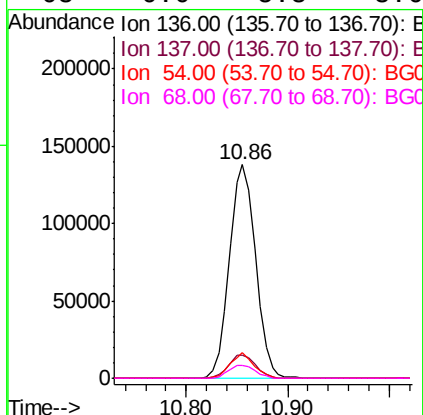
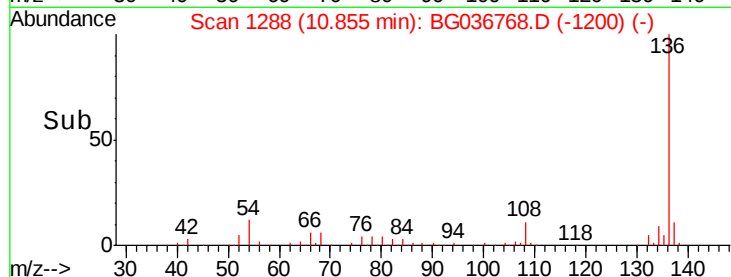
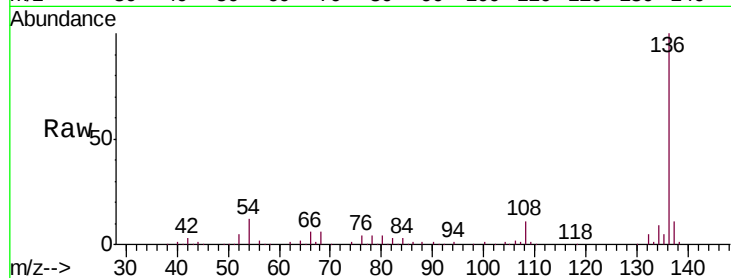




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BG036768.D
Acq: 18 Sep 2018 1:25

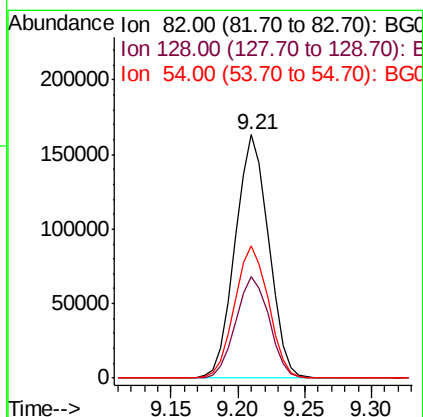
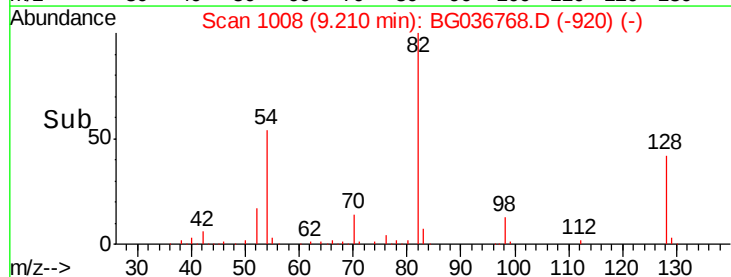
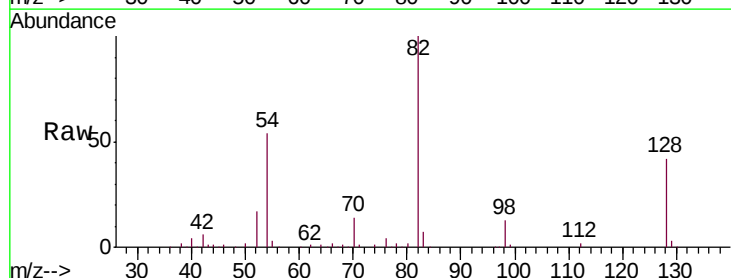
Instrument :
BNA_G
ClientSampleId :
PHASE-1-CONCRETE

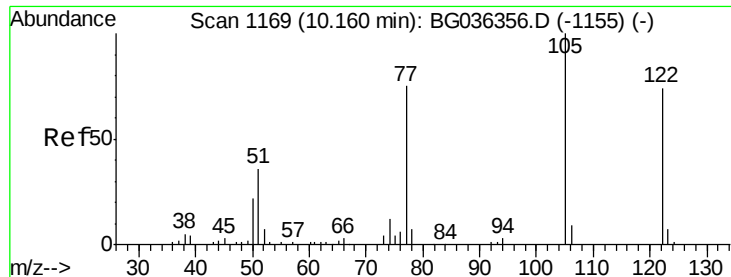
Tgt Ion:	136	Resp:	247513
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	11.8	9.2	13.8
68	6.0	5.8	8.6



#23
Nitrobenzene-d5
Concen: 62.352 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BG036768.D
Acq: 18 Sep 2018 1:25

Tgt Ion:	82	Resp:	284441
Ion	Ratio	Lower	Upper
82	100		
128	41.6	33.3	49.9
54	54.2	45.1	67.7





#32

Benzoic acid

Concen: 4.498 ng

RT: 10.53 min Scan# 1233

Delta R.T. 0.38 min

Lab File: BG036768.D

Acq: 18 Sep 2018 1:25

Instrument :

BNA_G

ClientSampleId :

PHASE-1-CONCRETE

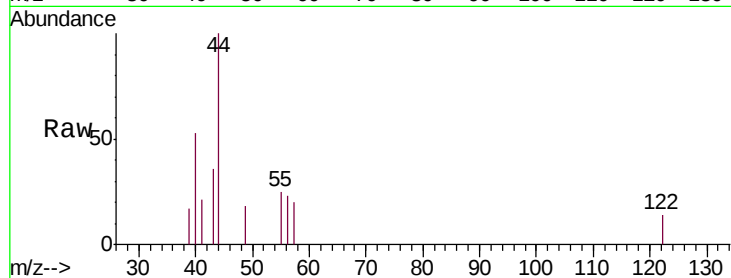
Tgt Ion:122 Resp: 55

Ion Ratio Lower Upper

122 100

105 0.0 108.1 148.1#

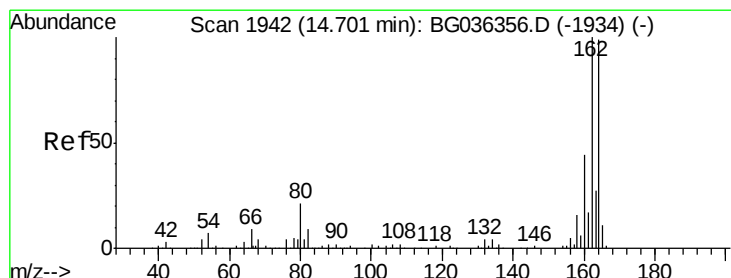
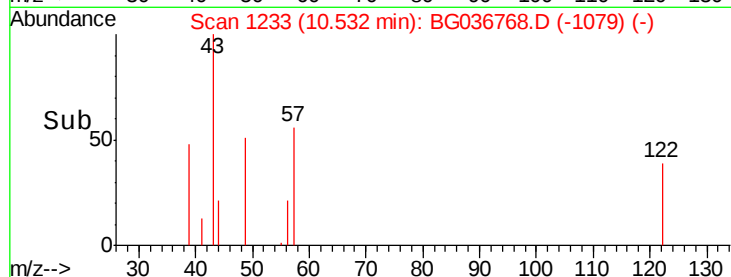
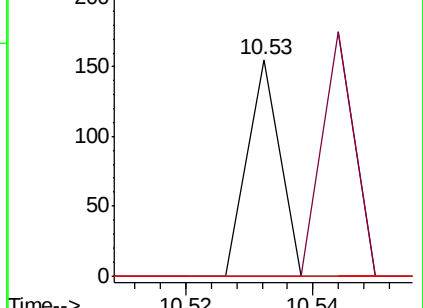
77 0.0 76.3 116.3#



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): B



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG036768.D

Acq: 18 Sep 2018 1:25

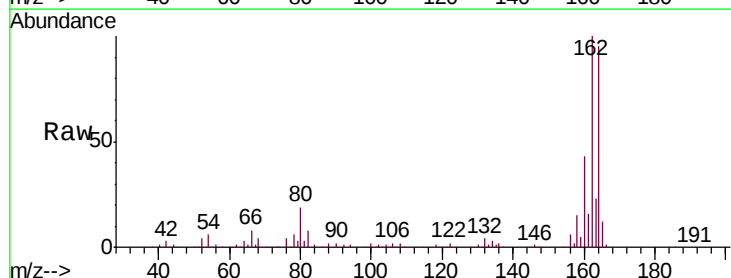
Tgt Ion:164 Resp: 157442

Ion Ratio Lower Upper

164 100

162 105.2 80.7 121.1

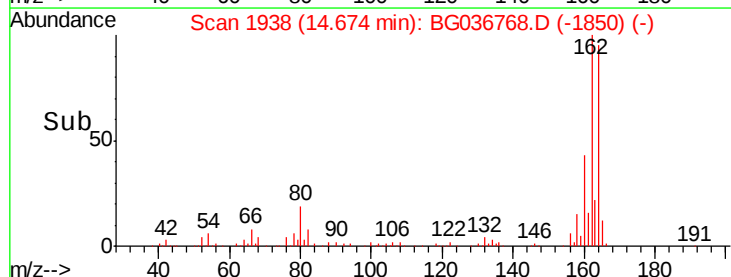
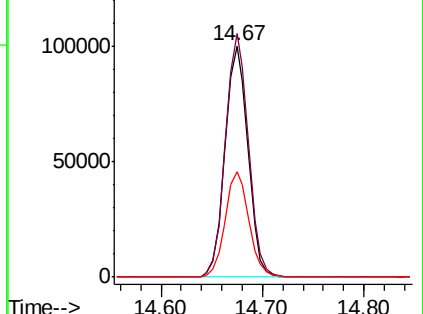
160 45.4 35.3 52.9

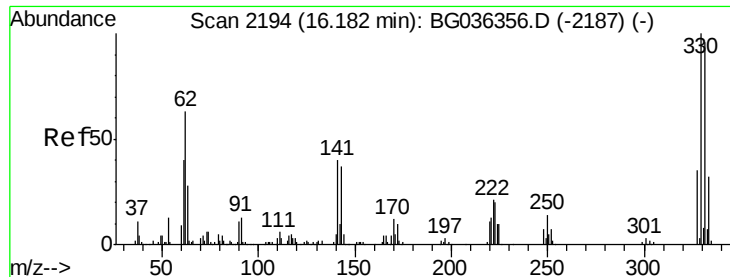


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

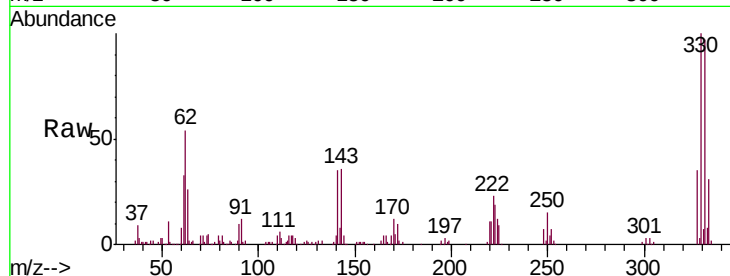




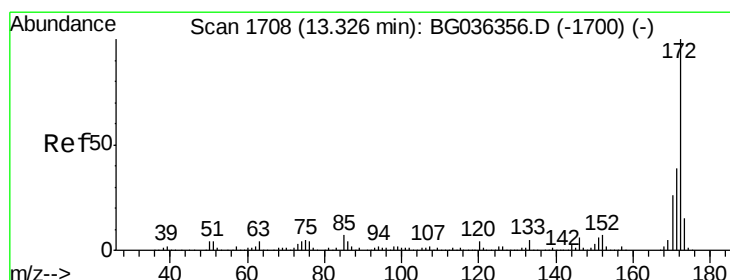
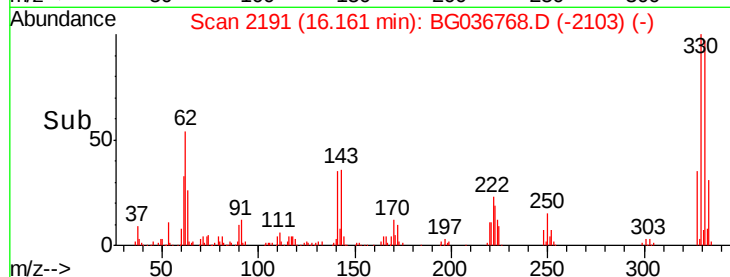
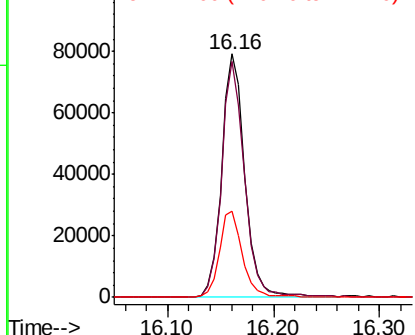
#41
 2,4,6-Tribromophenol
 Concen: 64.202 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BG036768.D
 Acq: 18 Sep 2018 1:25

Instrument :
 BNA_G
 ClientSampleId :
 PHASE-1-CONCRETE

Tgt Ion: 330 Resp: 120612
 Ion Ratio Lower Upper
 330 100
 332 96.1 75.4 113.2
 141 35.7 30.7 46.1

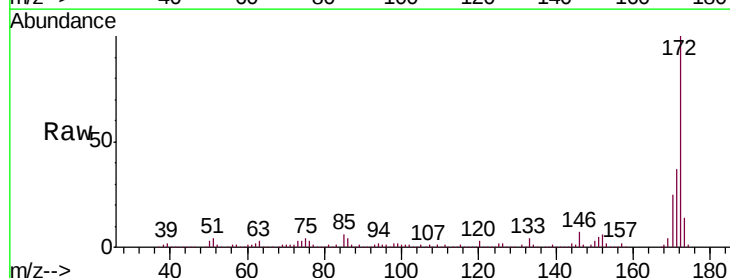


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

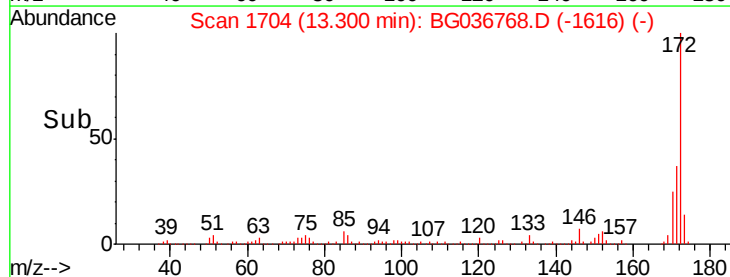
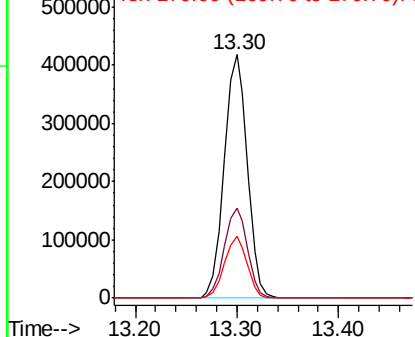


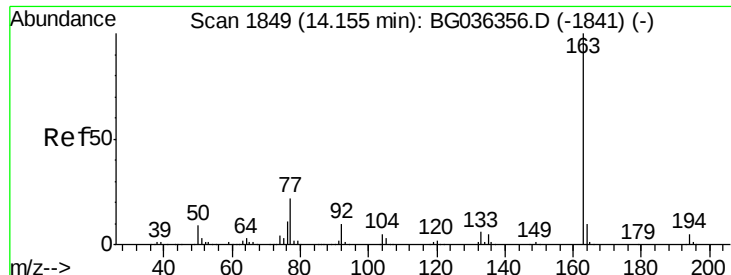
#44
 2-Fluorobiphenyl
 Concen: 59.937 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BG036768.D
 Acq: 18 Sep 2018 1:25

Tgt Ion: 172 Resp: 660909
 Ion Ratio Lower Upper
 172 100
 171 37.1 31.3 46.9
 170 25.5 21.0 31.6



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: 3.709 ng

RT: 14.12 min Scan# 1844

Delta R.T. -0.02 min

Lab File: BG036768.D

Acq: 18 Sep 2018 1:25

Instrument :

BNA_G

ClientSampleId :

PHASE-1-CONCRETE

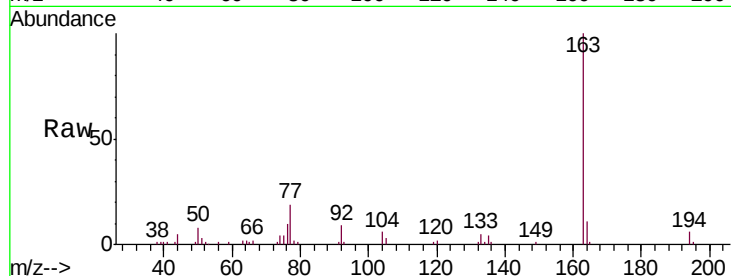
Tgt Ion:163 Resp: 47680

Ion Ratio Lower Upper

163 100

194 5.8 4.0 6.0

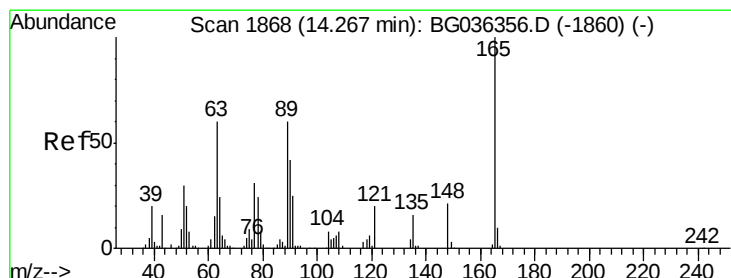
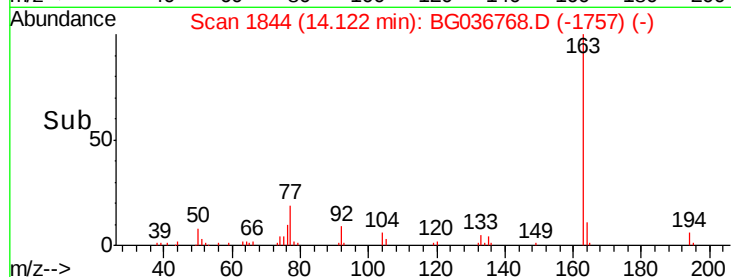
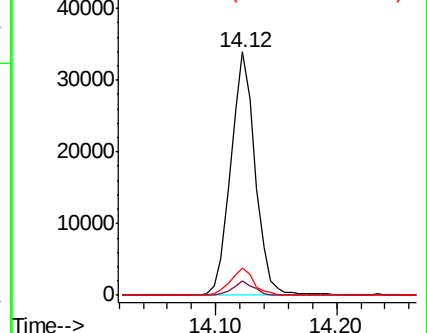
164 11.0 8.1 12.1



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: 7.922 ng

RT: 14.67 min Scan# 1938

Delta R.T. 0.42 min

Lab File: BG036768.D

Acq: 18 Sep 2018 1:25

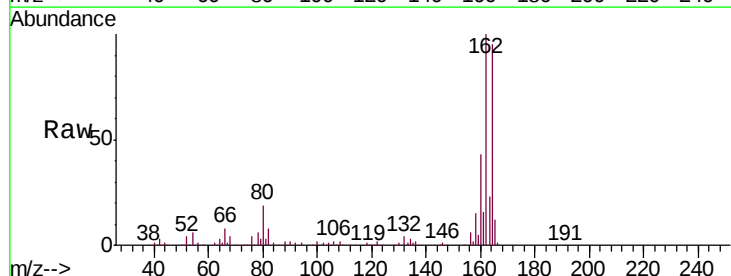
Tgt Ion:165 Resp: 20958

Ion Ratio Lower Upper

165 100

63 1.9 50.1 75.1#

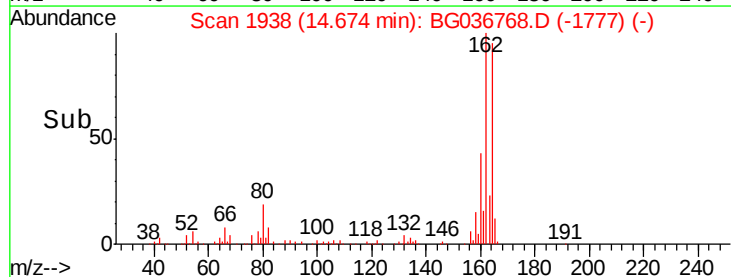
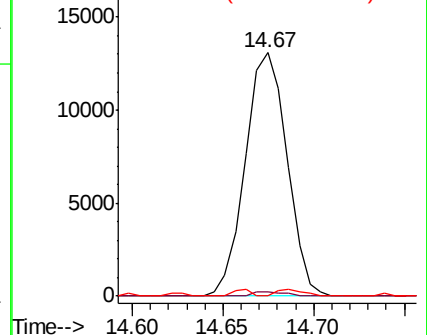
89 0.0 47.8 71.6#

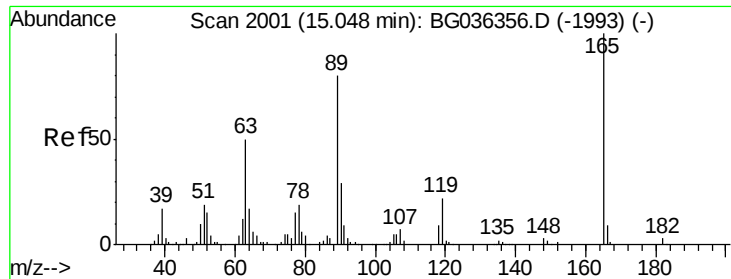


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

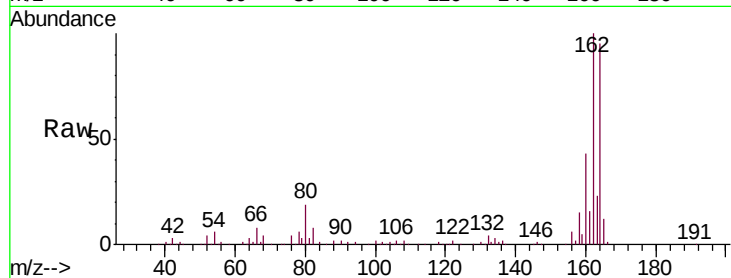




#56
 2,4-Dinitrotoluene
 Concen: 6.079 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.36 min
 Lab File: BG036768.D
 Acq: 18 Sep 2018 1:25

Instrument :
 BNA_G
 ClientSampleId :
 PHASE-1-CONCRETE

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	40.1	60.1#
89	0.0	63.7	95.5#
182	0.0	2.5	3.7#

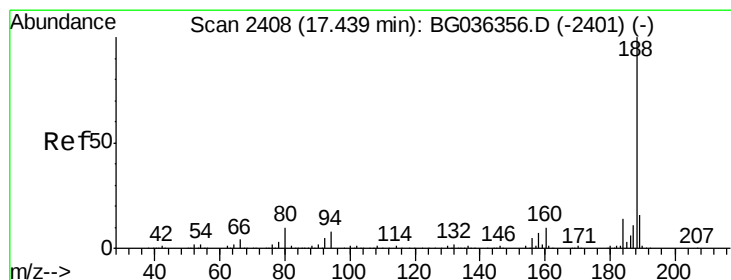
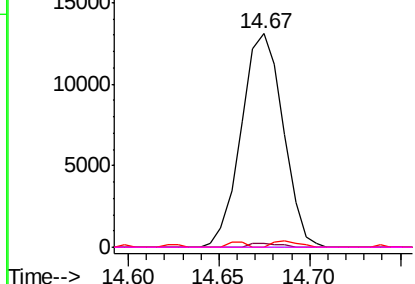
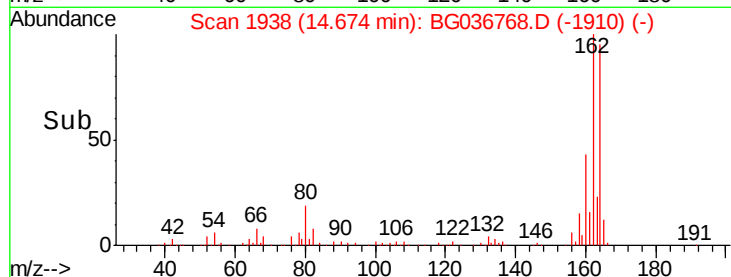


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

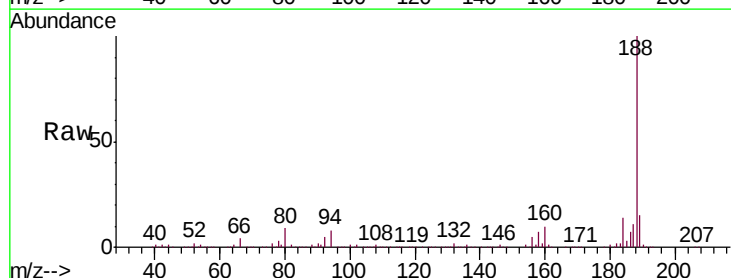
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.01 min
 Lab File: BG036768.D
 Acq: 18 Sep 2018 1:25

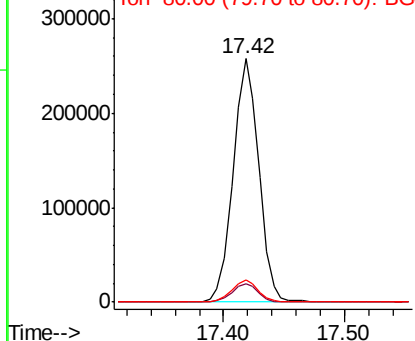
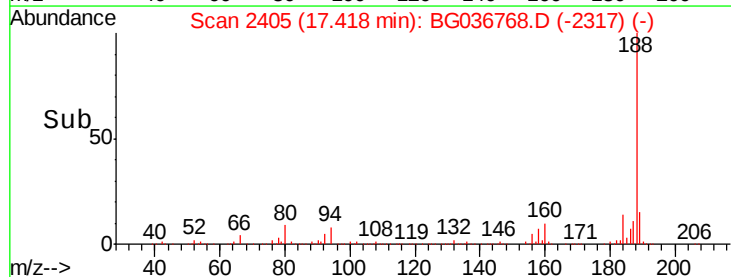
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.7	10.1
80	9.1	8.1	12.1

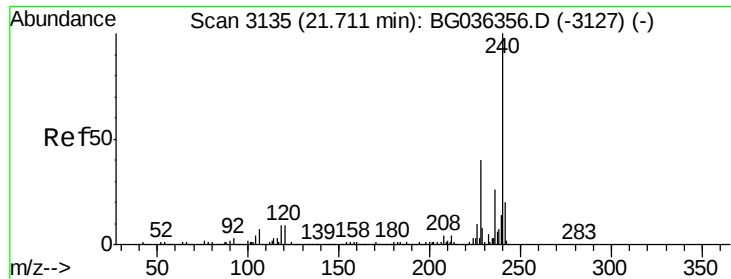


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BG036768.D

Acq: 18 Sep 2018 1:25

Instrument :

BNA_G

ClientSampleId :

PHASE-1-CONCRETE

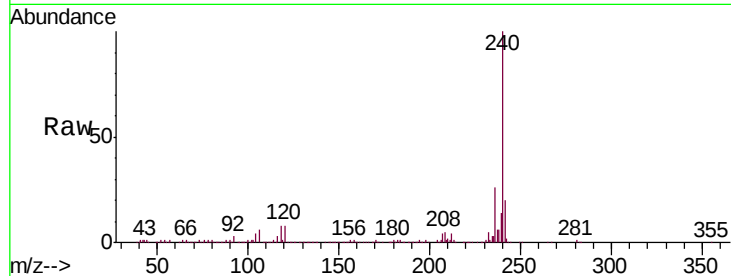
Tgt Ion:240 Resp: 371786

Ion Ratio Lower Upper

240 100

120 8.1 6.9 10.3

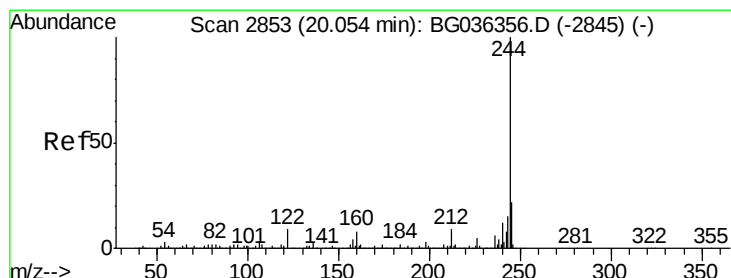
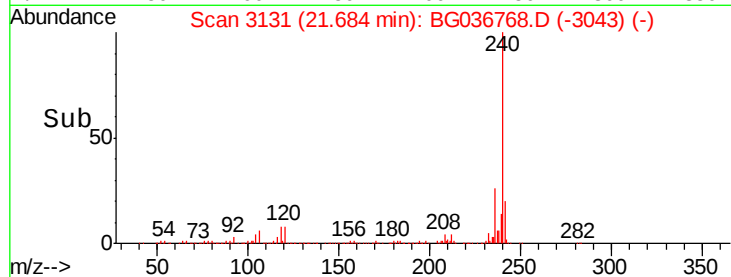
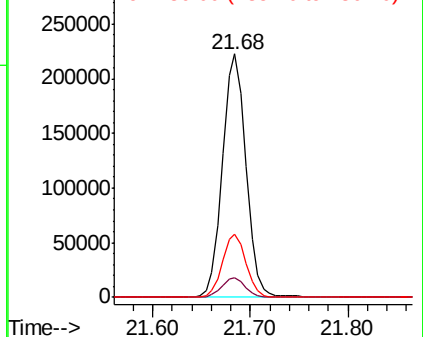
236 26.2 21.2 31.8



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: 63.739 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG036768.D

Acq: 18 Sep 2018 1:25

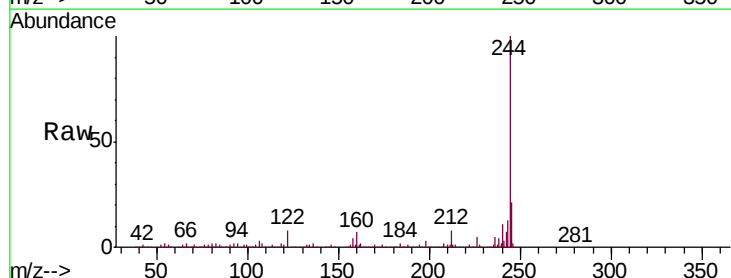
Tgt Ion:244 Resp: 1013857

Ion Ratio Lower Upper

244 100

212 8.0 7.0 10.6

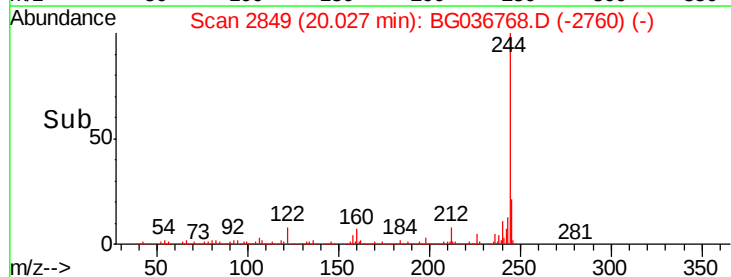
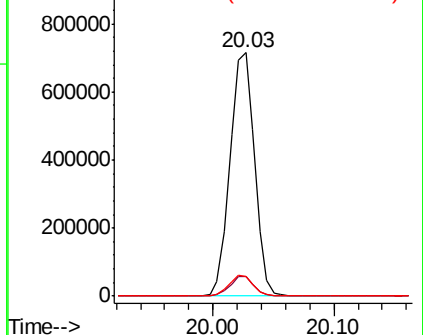
122 8.1 7.1 10.7

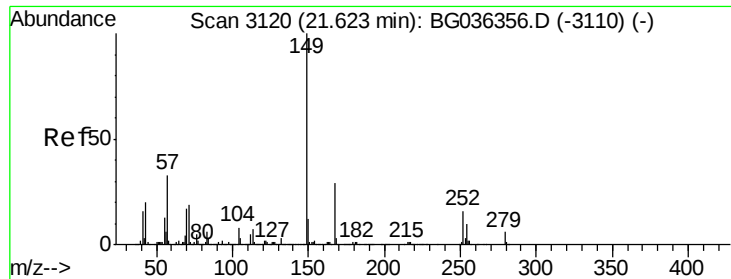


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

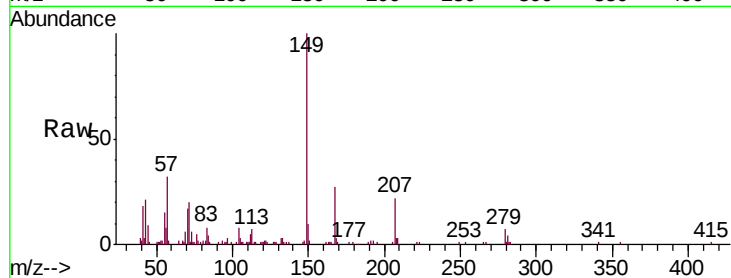




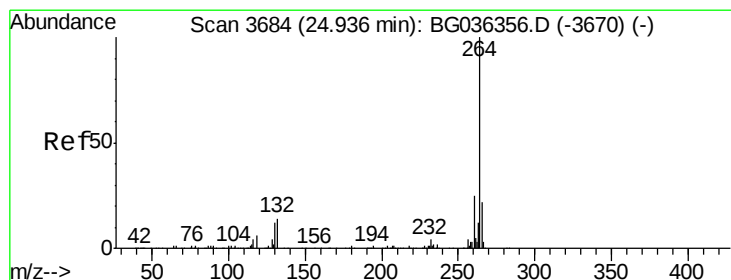
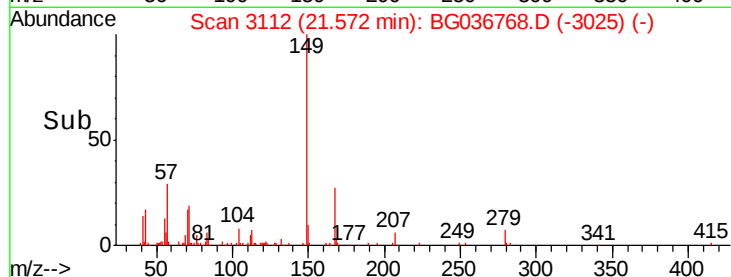
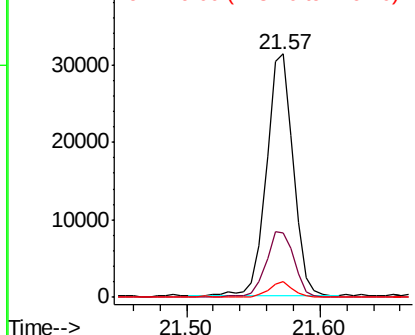
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.396 ng
 RT: 21.57 min Scan# 3112
 Delta R.T. -0.02 min
 Lab File: BG036768.D
 Acq: 18 Sep 2018 1:25

Instrument :
 BNA_G
 ClientSampleId :
 PHASE-1-CONCRETE

Tgt Ion:149 Resp: 43240
 Ion Ratio Lower Upper
 149 100
 167 26.7 23.4 35.0
 279 6.5 4.6 7.0

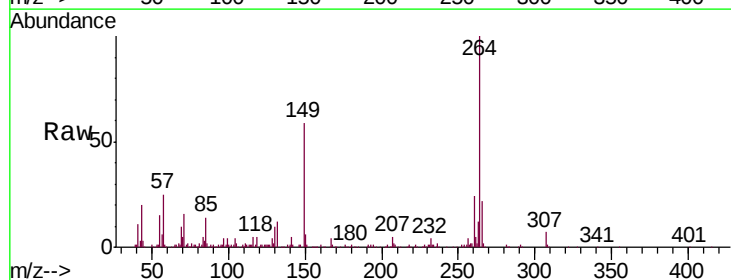


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.89 min Scan# 3677
 Delta R.T. -0.01 min
 Lab File: BG036768.D
 Acq: 18 Sep 2018 1:25

Tgt Ion:264 Resp: 332073
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.6 29.4
 265 22.2 17.4 26.0



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

