

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060619\
 Data File : BG041090.D
 Acq On : 6 Jun 2019 14:20
 Operator : HP/JU
 Sample : K3177-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BW-CONCRETE-1

Quant Time: Jun 06 23:16:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

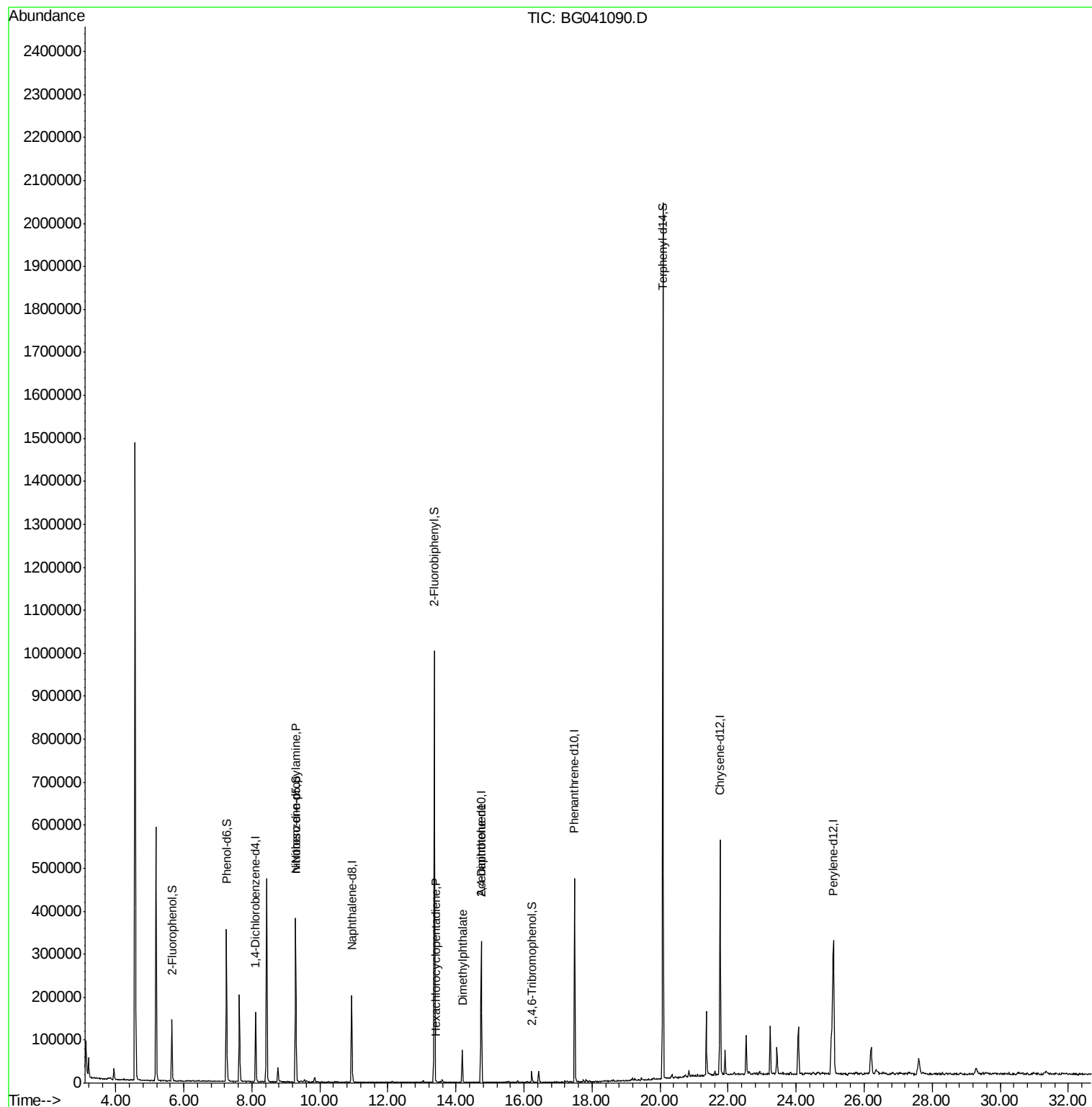
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	43534	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	161352	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	111713	20.00	ng	-0.02
64) Phenanthrene-d10	17.49	188	290106	20.00	ng	-0.02
76) Chrysene-d12	21.76	240	337293	20.00	ng	-0.02
87) Perylene-d12	25.09	264	365102	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	55315	22.91	ng	-0.01
7) Phenol-d6	7.25	99	189147	50.73	ng	-0.02
23) Nitrobenzene-d5	9.29	82	230085	63.30	ng	-0.02
42) 2,4,6-Tribromophenol	16.23	330	5579	3.36	ng	-0.02
45) 2-Fluorobiphenyl	13.36	172	516423	66.57	ng	-0.02
79) Terphenyl-d14	20.08	244	1013306	63.76	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	32828	11.441	ng	# 75
41) Hexachlorocyclopentadiene	13.41	237	61	8.258	ng	# 26
50) Dimethylphthalate	14.18	163	52861	5.590	ng	96
57) 2,4-Dinitrotoluene	14.74	165	14543	5.049	ng	# 22

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

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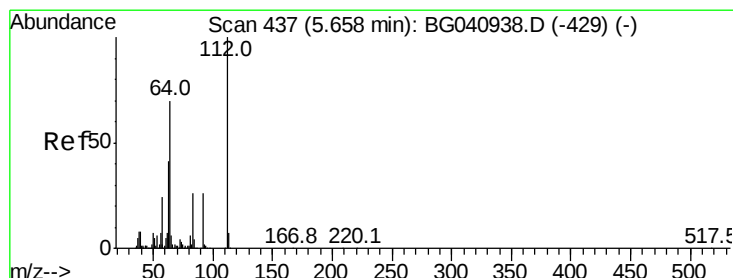
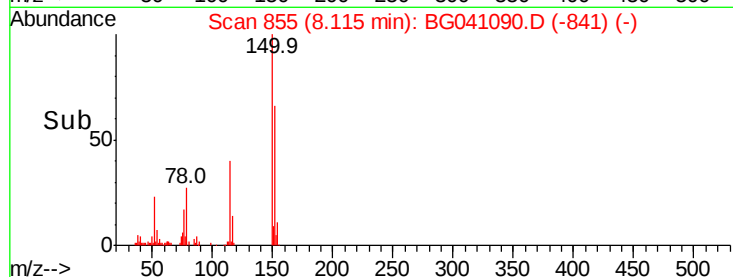
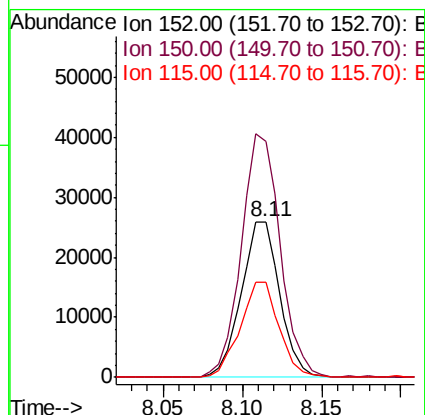
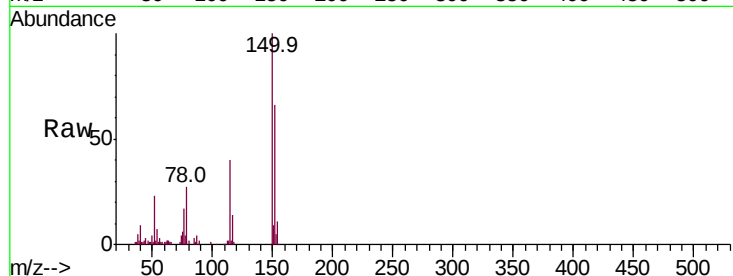


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 855
Delta R.T. -0.02 min
Lab File: BG041090.D
Acq: 6 Jun 2019 14:20

Instrument :
BNA_G
ClientSampleId :
BW-CONCRETE-1

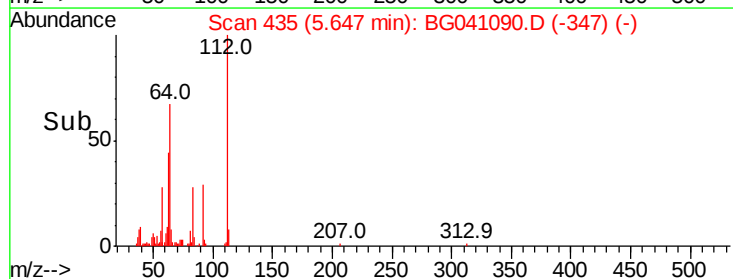
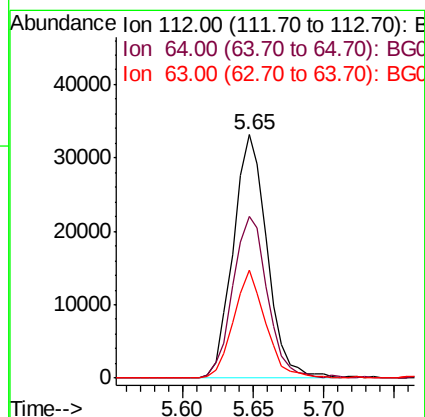
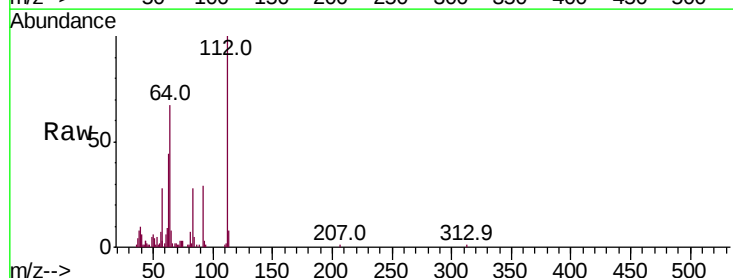
Tot Ion:152 Resp: 43534
Ion Ratio Lower Upper
152 100
150 151.4 120.6 180.8
115 61.0 45.1 67.7

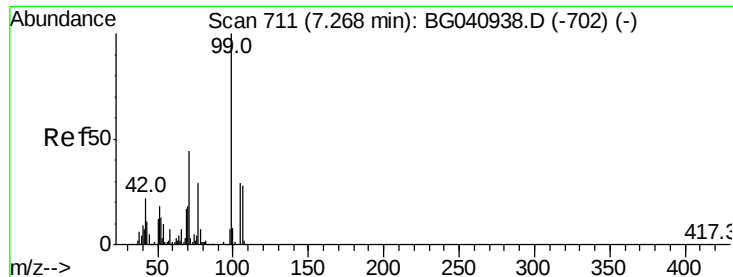


#5

2-Fluorophenol
Concen: 22.912 ng
RT: 5.65 min Scan# 435
Delta R.T. -0.01 min
Lab File: BG041090.D
Acq: 6 Jun 2019 14:20

Tgt Ion:112 Resp: 55315
Ion Ratio Lower Upper
112 100
64 66.5 56.2 84.2
63 44.4 32.8 49.2





#7

Phenol-d6

Concen: 50.729 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.02 min

Lab File: BG041090.D

Acq: 6 Jun 2019 14:20

Instrument :

BNA_G

ClientSampleId :

BW-CONCRETE-1

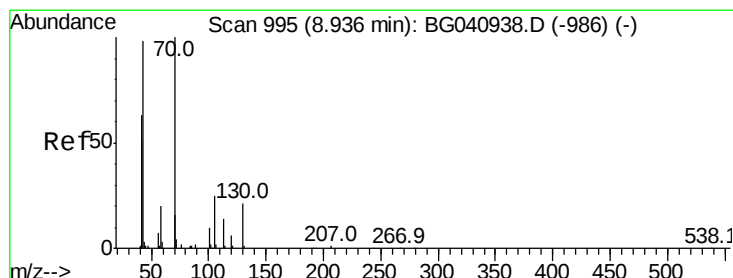
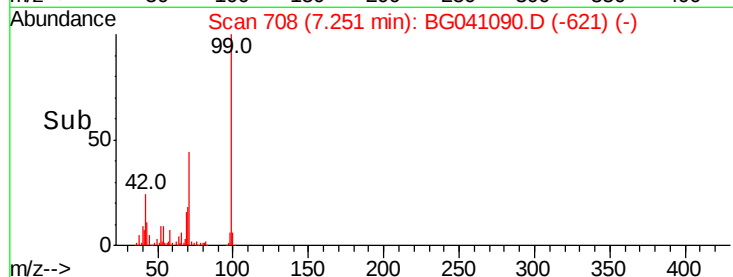
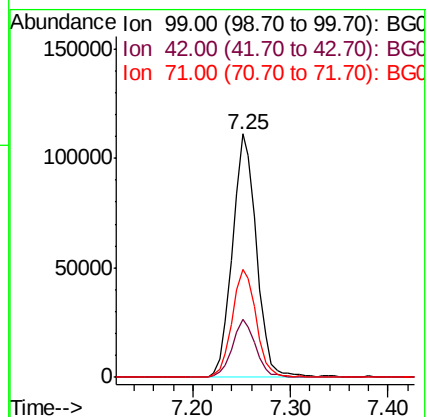
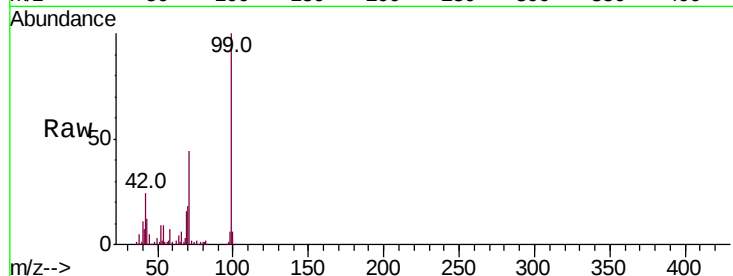
Tot Ion: 99 Resp: 189147

Ion Ratio Lower Upper

99 100

42 23.9 17.9 26.9

71 44.4 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.441 ng

RT: 9.29 min Scan# 1055

Delta R.T. 0.35 min

Lab File: BG041090.D

Acq: 6 Jun 2019 14:20

Tgt Ion: 70 Resp: 32828

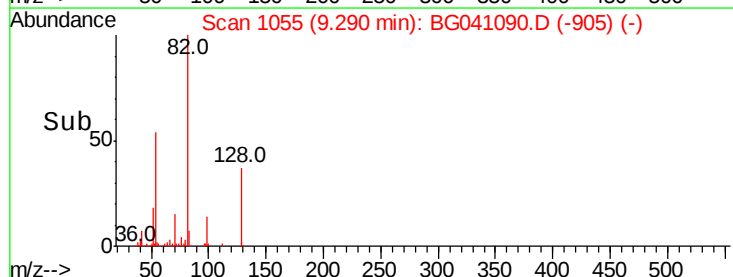
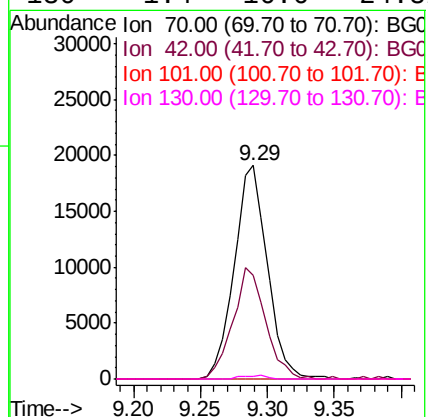
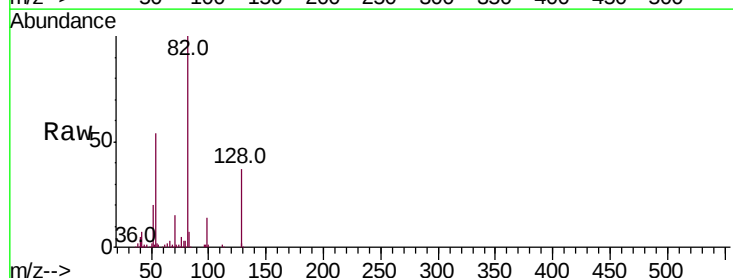
Ion Ratio Lower Upper

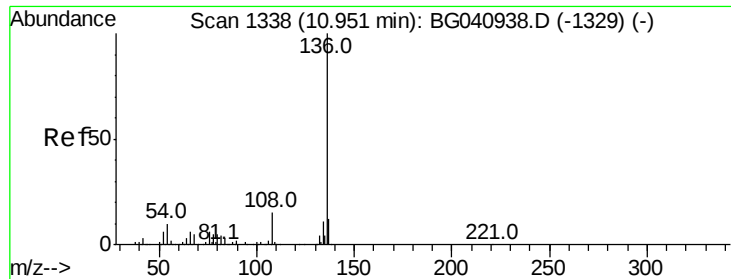
70 100

42 48.8 51.5 77.3#

101 0.0 8.1 12.1#

130 1.4 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.93 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BG041090.D

Acq: 6 Jun 2019 14:20

Instrument :

BNA_G

ClientSampleId :

BW-CONCRETE-1

Tot Ion:136 Resp: 161352

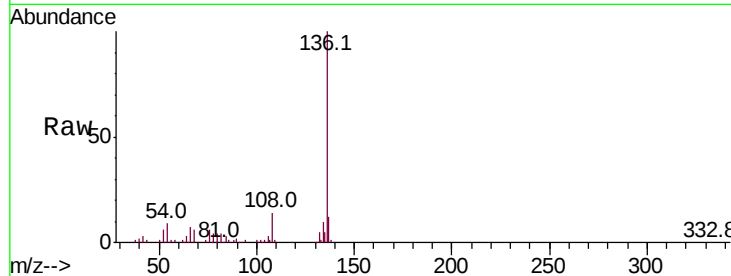
Ion Ratio Lower Upper

136 100

137 11.9 9.5 14.3

54 9.1 7.6 11.4

68 6.0 3.9 5.9#

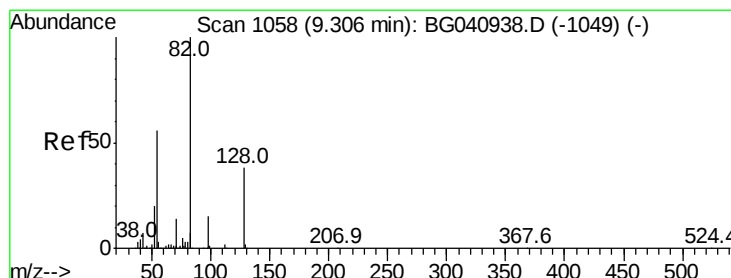
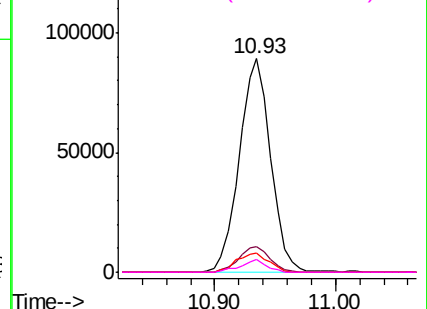
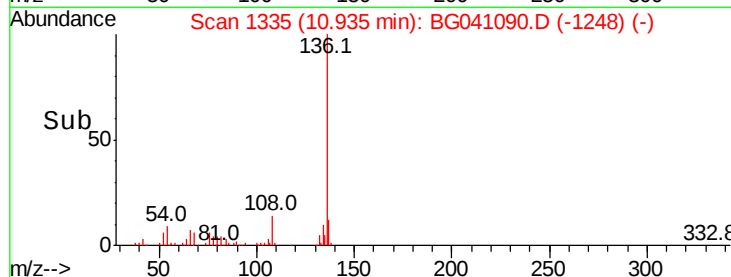


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 63.305 ng

RT: 9.29 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BG041090.D

Acq: 6 Jun 2019 14:20

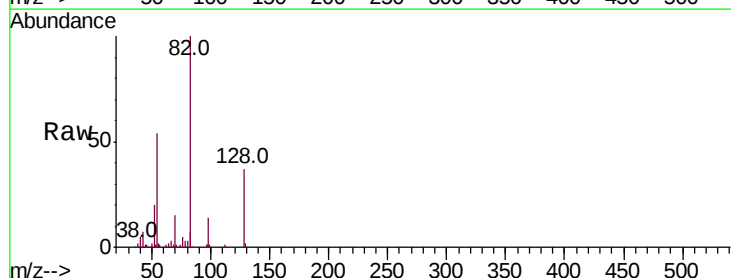
Tgt Ion: 82 Resp: 230085

Ion Ratio Lower Upper

82 100

128 36.6 30.5 45.7

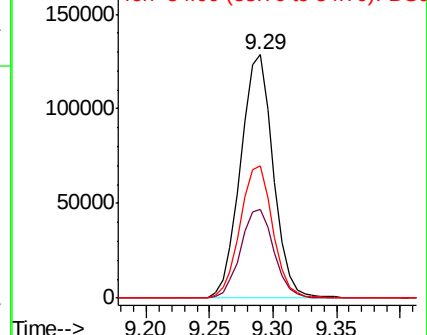
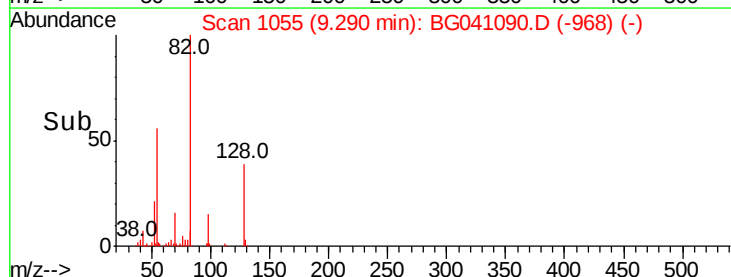
54 54.3 44.6 66.8

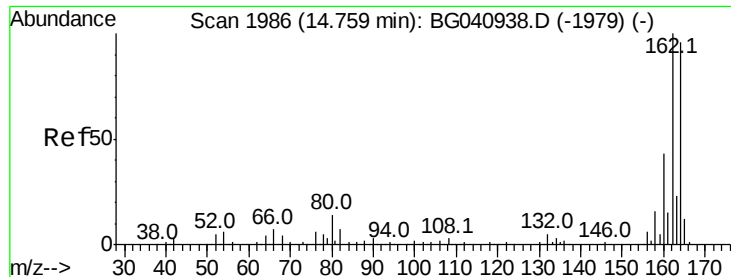


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.02 min

Lab File: BG041090.D

Acq: 6 Jun 2019 14:20

Instrument :

BNA_G

ClientSampleId :

BW-CONCRETE-1

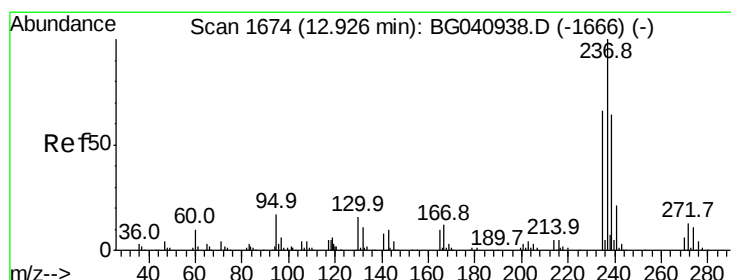
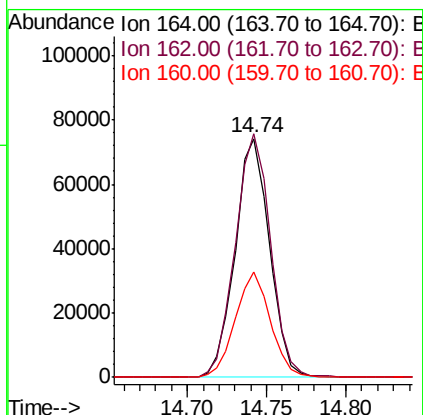
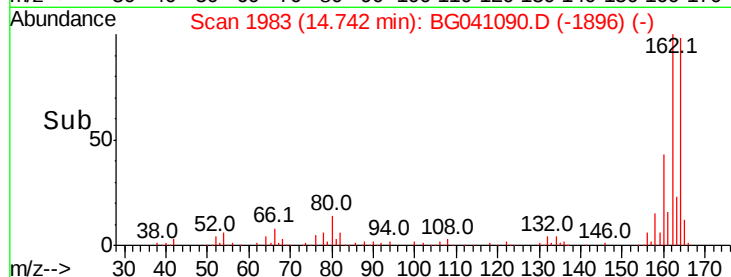
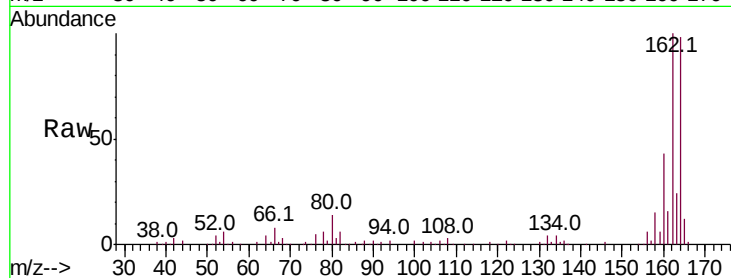
Tot Ion:164 Resp: 111713

Ion Ratio Lower Upper

164 100

162 101.8 83.0 124.4

160 43.8 35.6 53.4



#41

Hexachlorocyclopentadiene

Concen: 8.258 ng

RT: 13.41 min Scan# 1756

Delta R.T. 0.48 min

Lab File: BG041090.D

Acq: 6 Jun 2019 14:20

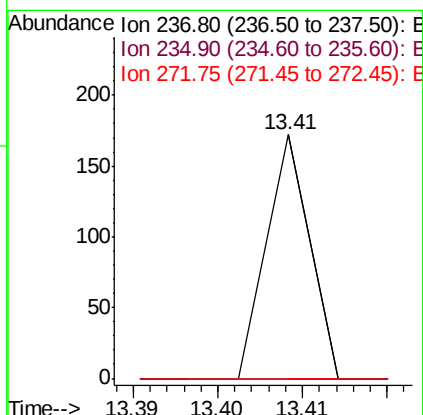
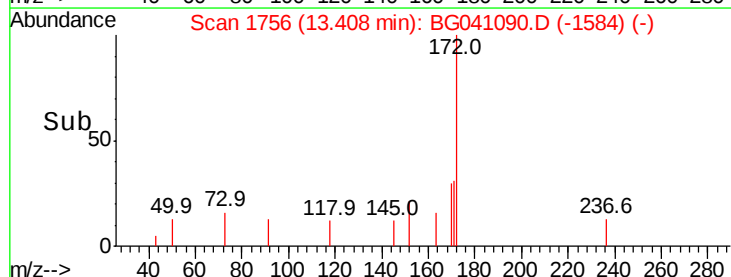
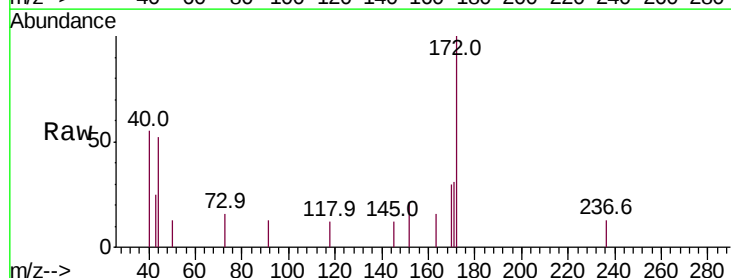
Tgt Ion:237 Resp: 61

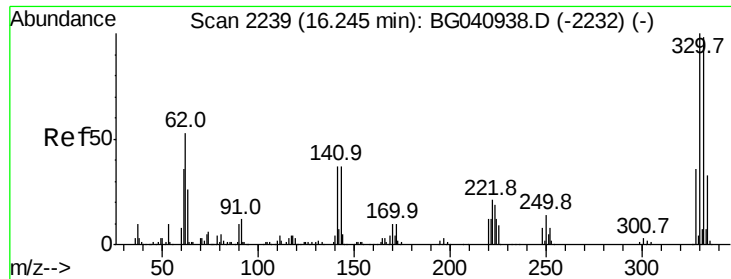
Ion Ratio Lower Upper

237 100

235 0.0 45.5 85.5#

272 0.0 0.0 32.9





#42

2,4,6-Tribromophenol

Concen: 3.364 ng

RT: 16.23 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BG041090.D

Acq: 6 Jun 2019 14:20

Instrument :

BNA_G

ClientSampleId :

BW-CONCRETE-1

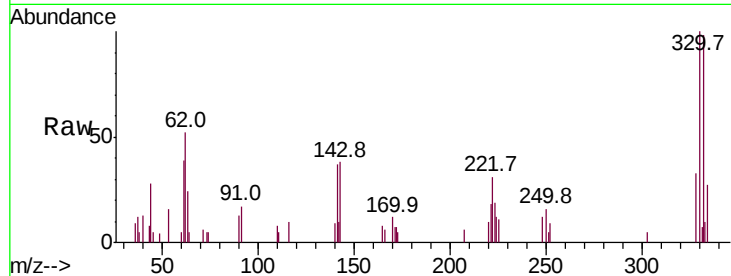
Tot Ion:330 Resp: 5579

Ion Ratio Lower Upper

330 100

332 99.9 78.5 117.7

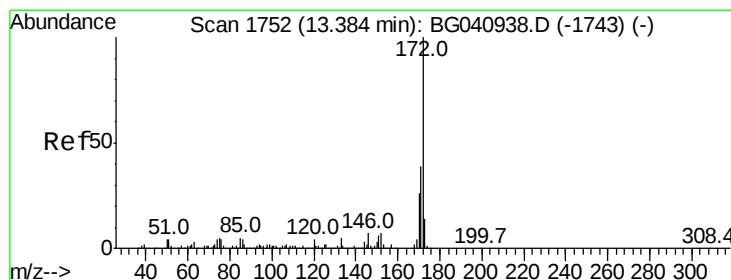
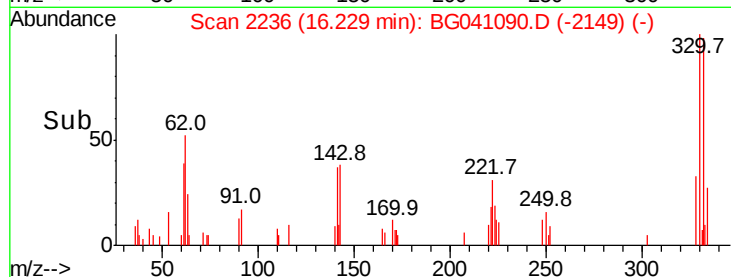
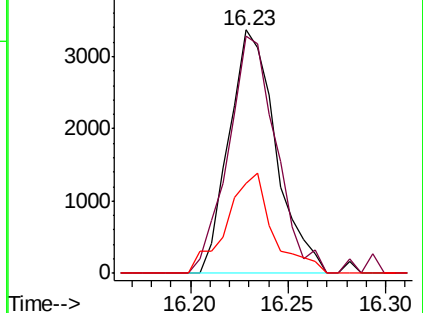
141 40.6 28.7 43.1



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



#45

2-Fluorobiphenyl

Concen: 66.573 ng

RT: 13.36 min Scan# 1748

Delta R.T. -0.02 min

Lab File: BG041090.D

Acq: 6 Jun 2019 14:20

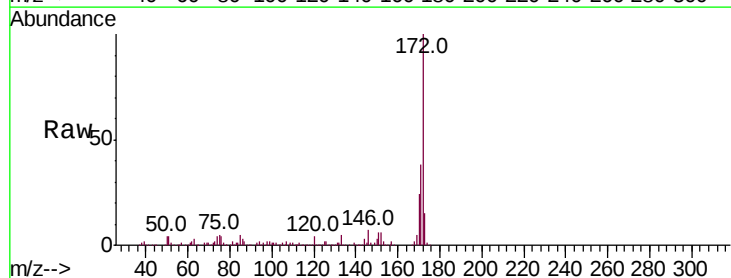
Tgt Ion:172 Resp: 516423

Ion Ratio Lower Upper

172 100

171 37.6 31.1 46.7

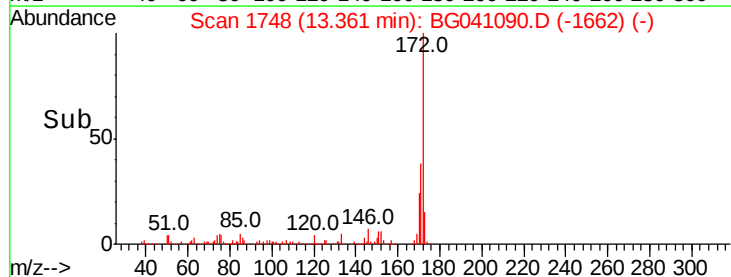
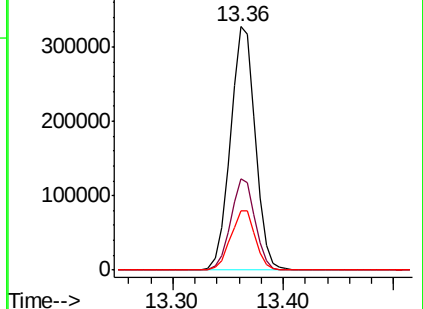
170 24.3 20.5 30.7

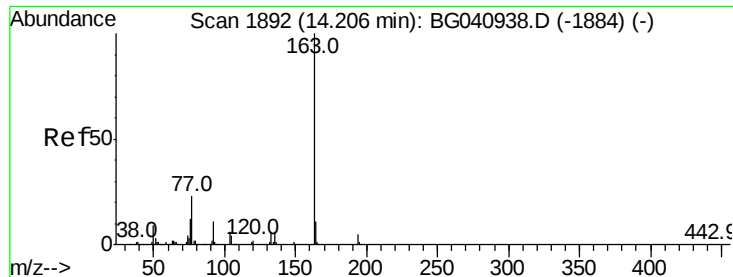


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.590 ng

RT: 14.18 min Scan# 1888

Delta R.T. -0.02 min

Lab File: BG041090.D

Acq: 6 Jun 2019 14:20

Instrument :

BNA_G

ClientSampleId :

BW-CONCRETE-1

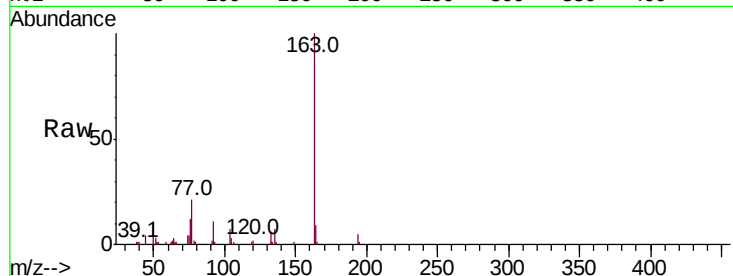
Tot Ion:163 Resp: 52861

Ion Ratio Lower Upper

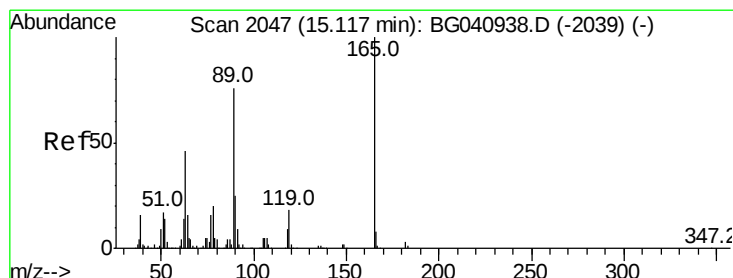
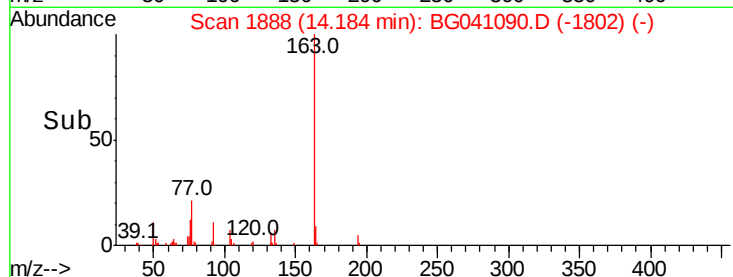
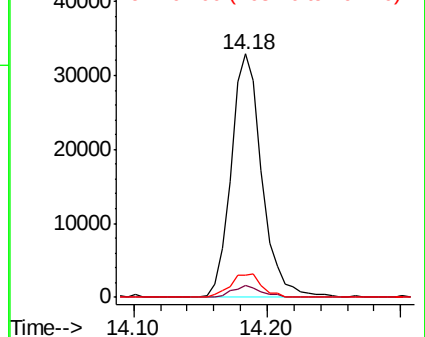
163 100

194 4.7 3.8 5.8

164 9.1 8.7 13.1



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



#57

2,4-Dinitrotoluene

Concen: 5.049 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.38 min

Lab File: BG041090.D

Acq: 6 Jun 2019 14:20

Tgt Ion:165 Resp: 14543

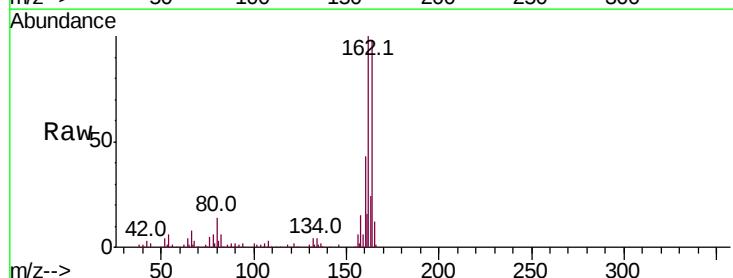
Ion Ratio Lower Upper

165 100

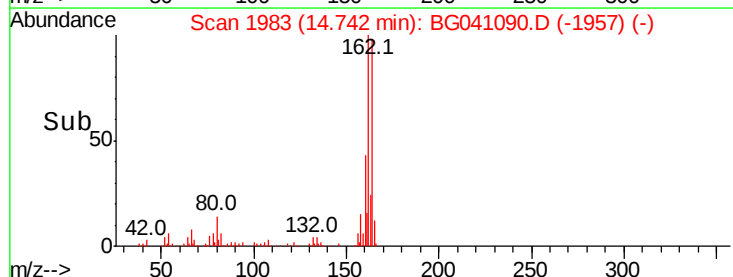
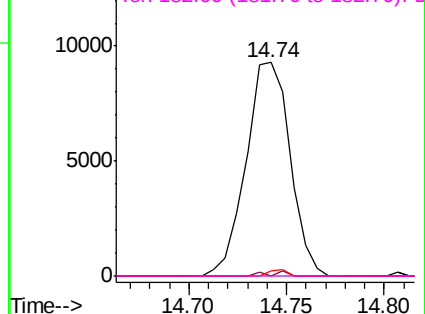
63 0.0 37.3 55.9#

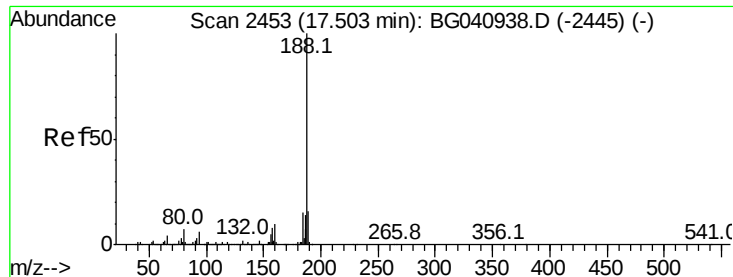
89 2.2 61.0 91.6#

182 0.0 2.2 3.2#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.49 min Scan# 2450

Delta R.T. -0.02 min

Lab File: BG041090.D

Acq: 6 Jun 2019 14:20

Instrument :

BNA_G

ClientSampleId :

BW-CONCRETE-1

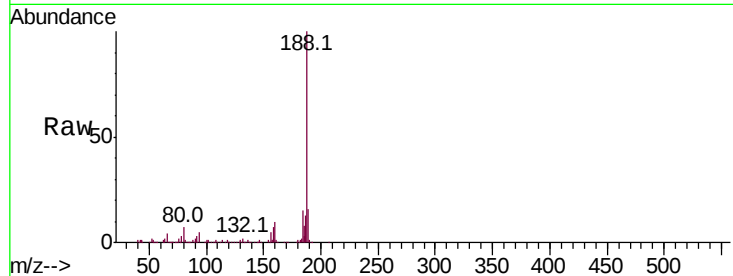
Tot Ion:188 Resp: 290106

Ion Ratio Lower Upper

188 100

94 5.1 4.7 7.1

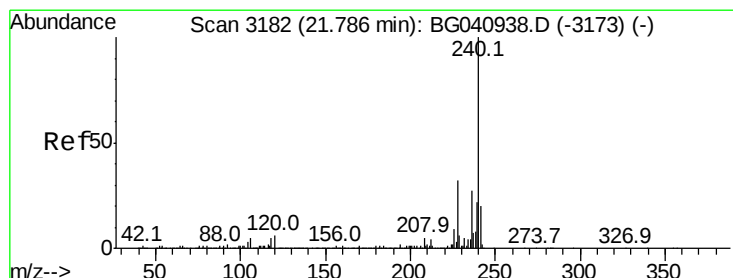
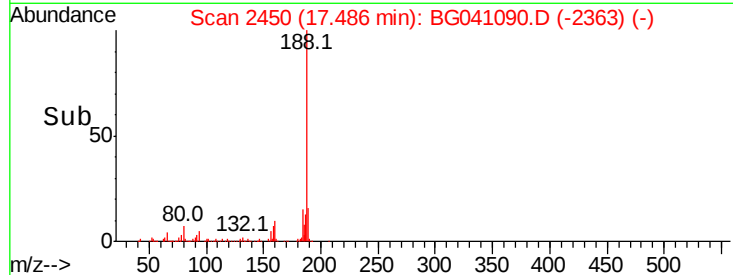
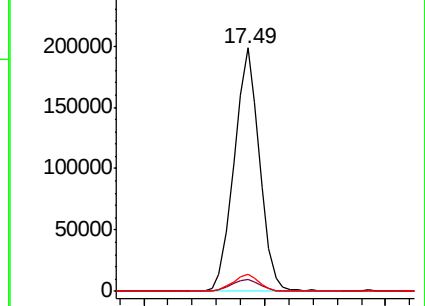
80 6.9 5.8 8.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3178

Delta R.T. -0.02 min

Lab File: BG041090.D

Acq: 6 Jun 2019 14:20

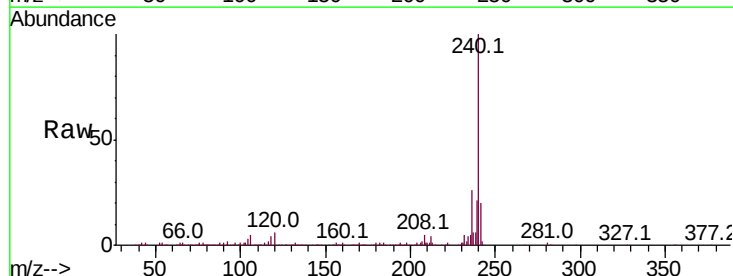
Tgt Ion:240 Resp: 337293

Ion Ratio Lower Upper

240 100

120 5.6 4.5 6.7

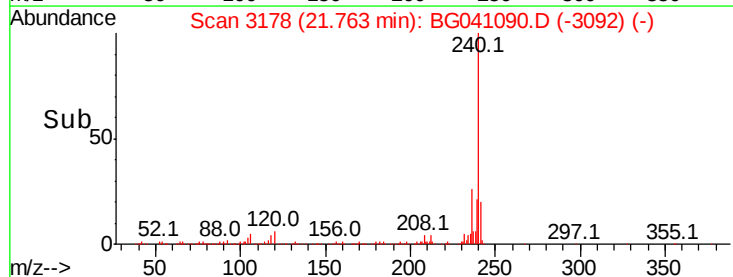
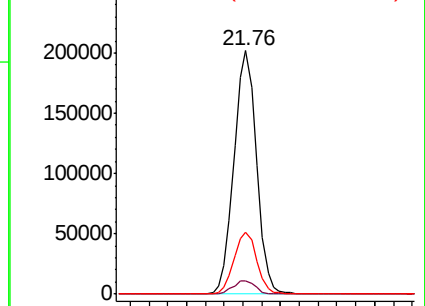
236 25.5 21.3 31.9

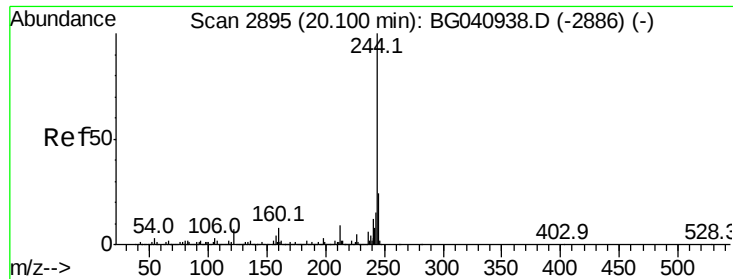


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 63.760 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.02 min

Lab File: BG041090.D

Acq: 6 Jun 2019 14:20

Instrument :

BNA_G

ClientSampleId :

BW-CONCRETE-1

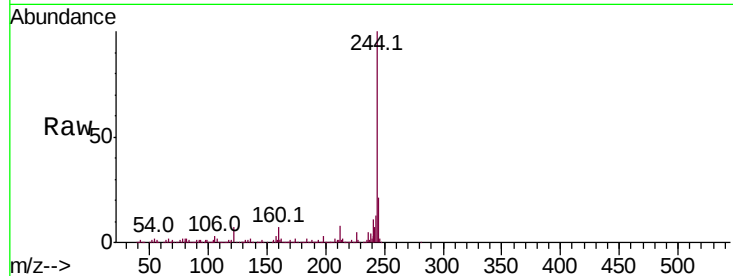
Tot Ion:244 Resp: 1013306

Ion Ratio Lower Upper

244 100

212 7.8 7.0 10.4

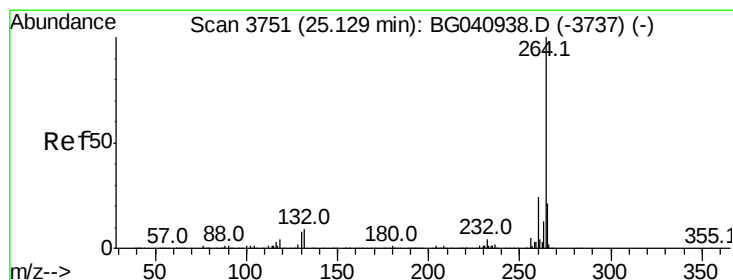
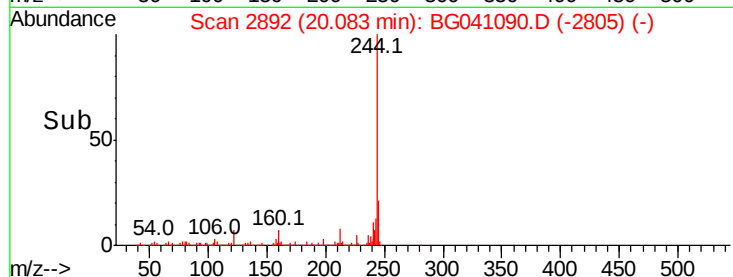
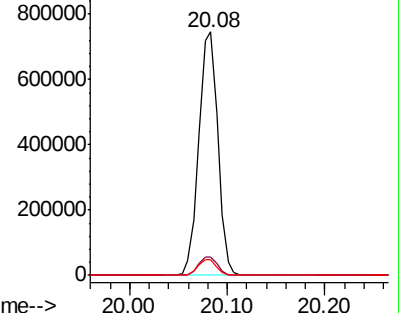
122 6.5 5.4 8.0



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.09 min Scan# 3745

Delta R.T. -0.03 min

Lab File: BG041090.D

Acq: 6 Jun 2019 14:20

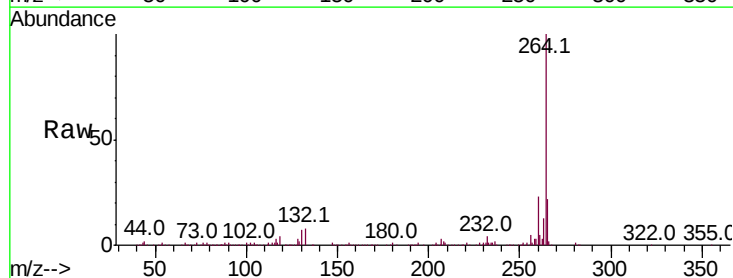
Tgt Ion:264 Resp: 365102

Ion Ratio Lower Upper

264 100

260 23.0 19.0 28.4

265 21.7 17.0 25.4



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

