

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060719\
 Data File : BG041123.D
 Acq On : 8 Jun 2019 7:17
 Operator : HP/JU
 Sample : K3177-02RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BW-CONCRETE-1RE

Quant Time: Jun 08 18:23:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 08 17:33:39 2019
 Response via : Initial Calibration

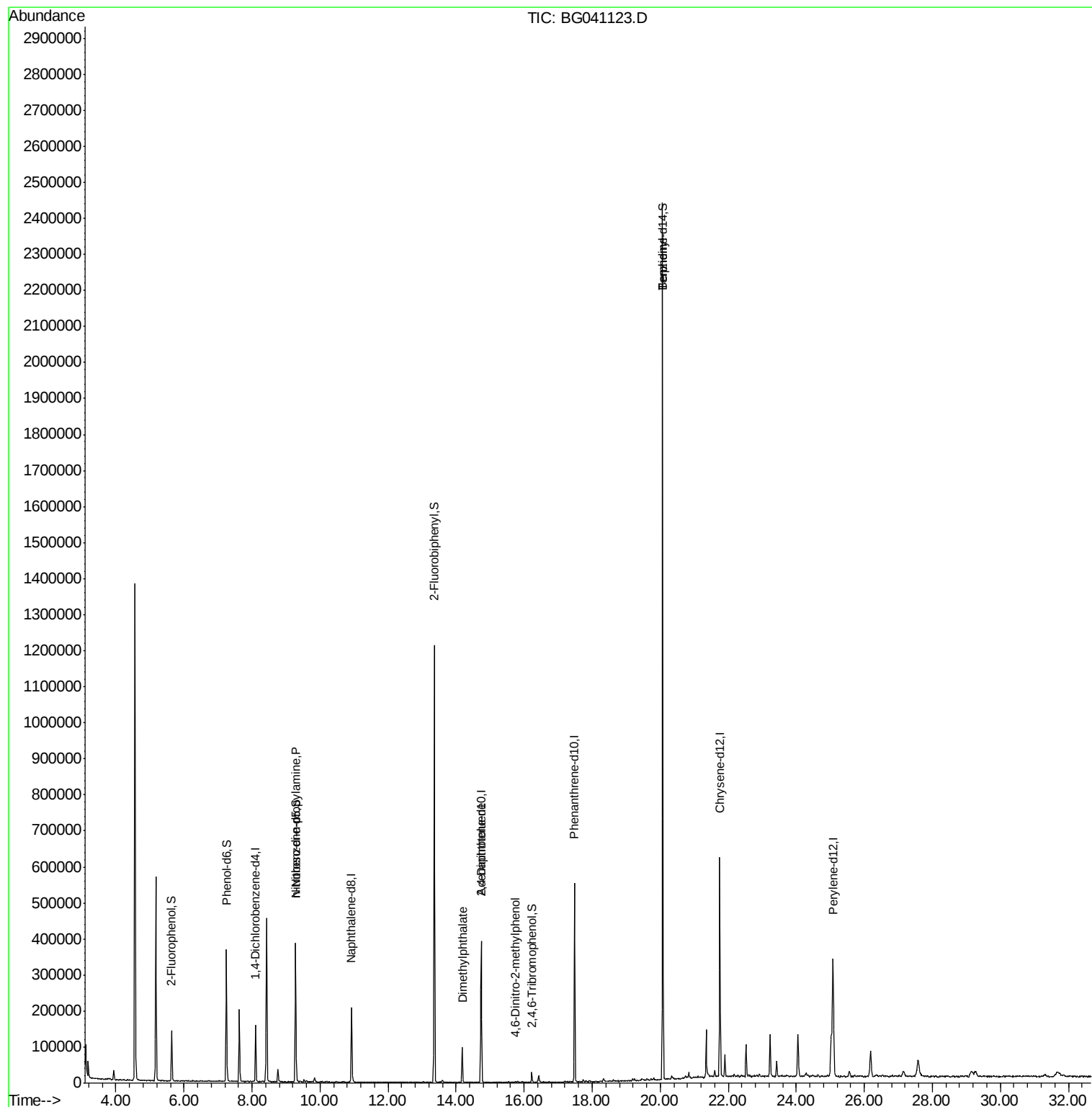
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	42498	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	171375	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	137382	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	350790	20.00	ng	0.00
76) Chrysene-d12	21.75	240	356671	20.00	ng	0.00
87) Perylene-d12	25.08	264	372916	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	52984	22.48	ng	0.00
7) Phenol-d6	7.25	99	194195	53.35	ng	0.00
23) Nitrobenzene-d5	9.28	82	238315	61.73	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	6015	2.95	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	601994	63.10	ng	0.00
79) Terphenyl-d14	20.07	244	1103338	65.65	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	32353	11.550	ng	Qvalue # 80
50) Dimethylphthalate	14.18	163	67378	5.794	ng	# 97
57) 2,4-Dinitrotoluene	14.74	165	16583	4.682	ng	# 23
65) 4,6-Dinitro-2-methylphenol	15.75	198	55	8.614	ng	# 34
77) Benzidine	20.07	184	17287	2.032	ng	# 93

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.10 min Scan# 854

Delta R.T. 0.00 min

Lab File: BG041123.D

Acq: 8 Jun 2019 7:17

Instrument :

BNA_G

ClientSampleId :

BW-CONCRETE-1RE

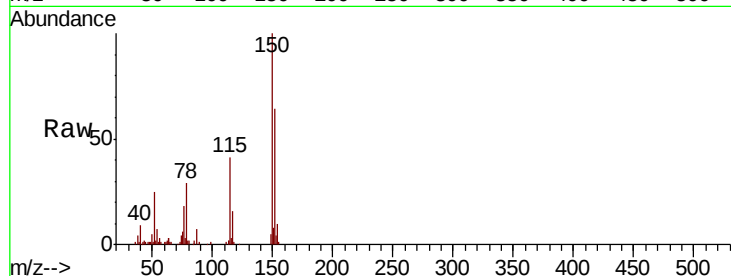
Tot Ion:152 Resp: 42498

Ion Ratio Lower Upper

152 100

150 155.4 111.7 167.5

115 63.2 48.6 73.0

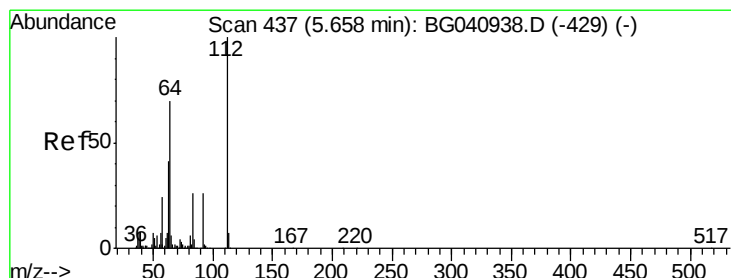
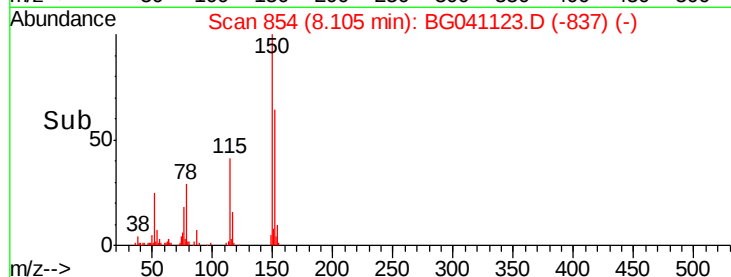
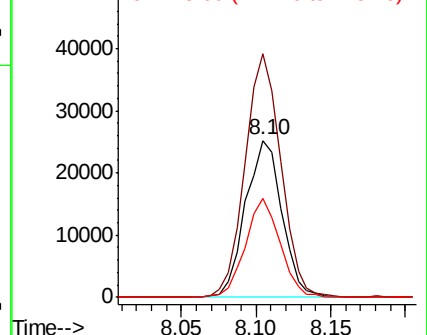


Abundance

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: 22.481 ng

RT: 5.64 min Scan# 434

Delta R.T. -0.00 min

Lab File: BG041123.D

Acq: 8 Jun 2019 7:17

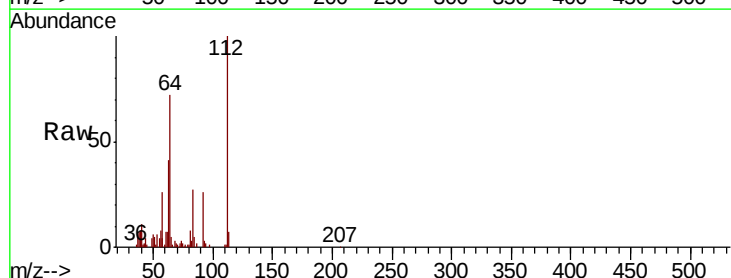
Tgt Ion:112 Resp: 52984

Ion Ratio Lower Upper

112 100

64 71.9 54.5 81.7

63 40.7 32.2 48.2

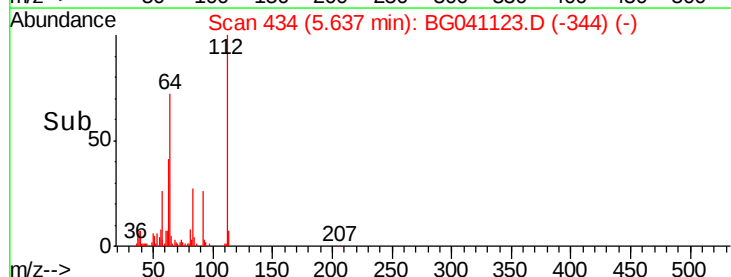
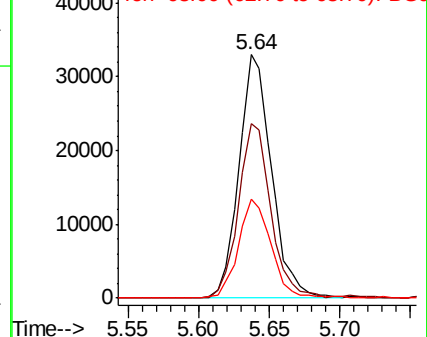


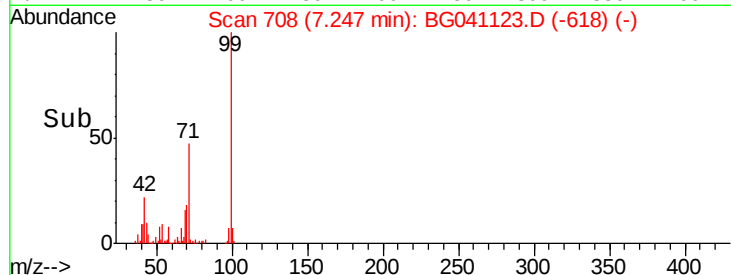
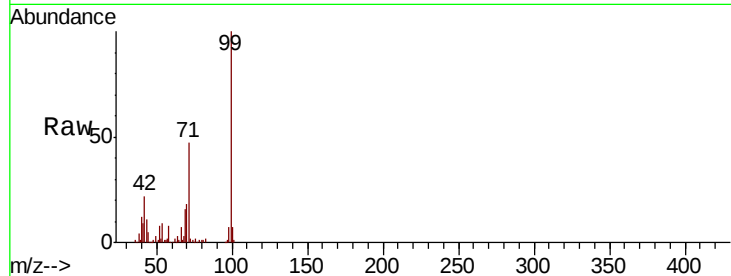
Abundance

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: 53.353 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.00 min

Lab File: BG041123.D

Acq: 8 Jun 2019 7:17

Instrument :

BNA_G

ClientSampleId :

BW-CONCRETE-1RE

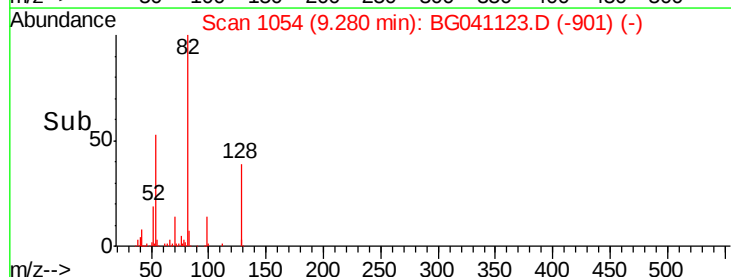
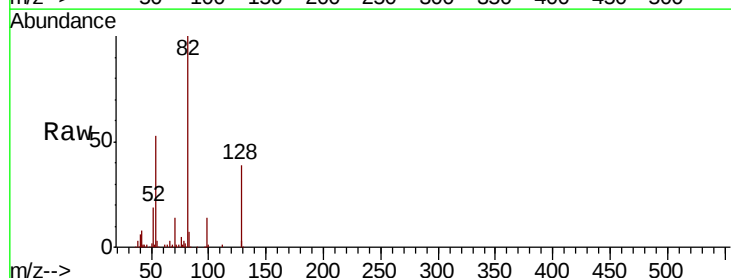
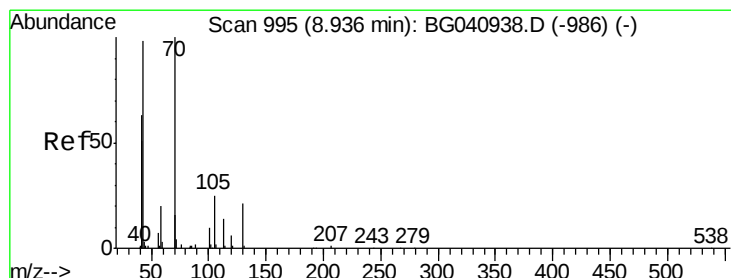
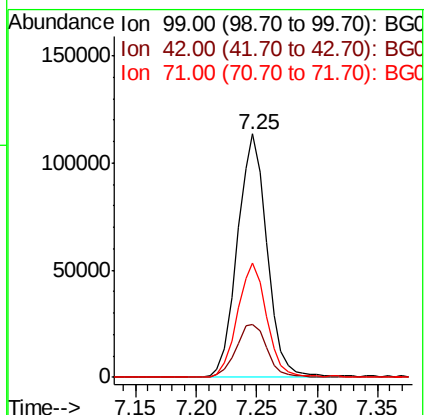
Tot Ion: 99 Resp: 194195

Ion Ratio Lower Upper

99 100

42 21.8 18.8 28.2

71 46.9 35.6 53.4



#19

n-Nitroso-di-n-propylamine

Concen: 11.550 ng

RT: 9.28 min Scan# 1054

Delta R.T. 0.37 min

Lab File: BG041123.D

Acq: 8 Jun 2019 7:17

Tgt Ion: 70 Resp: 32353

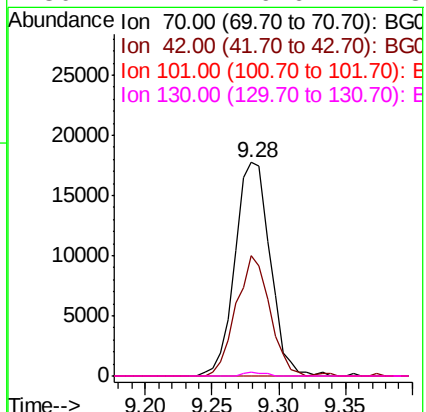
Ion Ratio Lower Upper

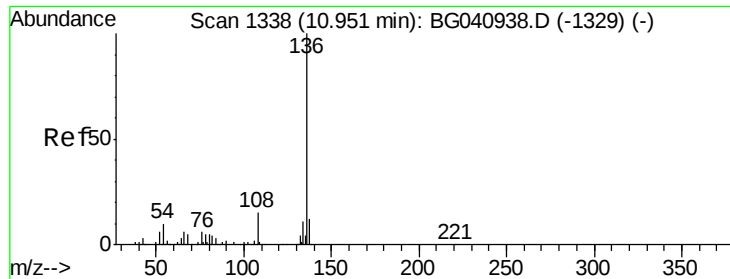
70 100

42 56.3 53.1 79.7

101 0.0 8.0 12.0#

130 1.7 16.6 24.8#

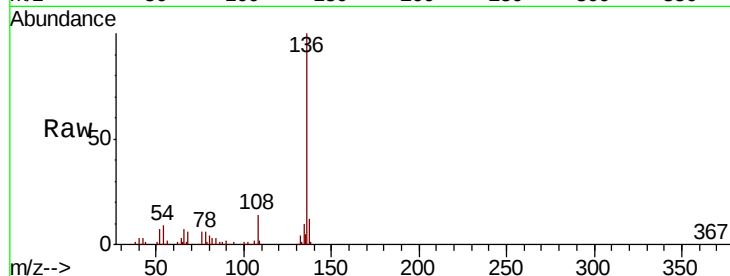




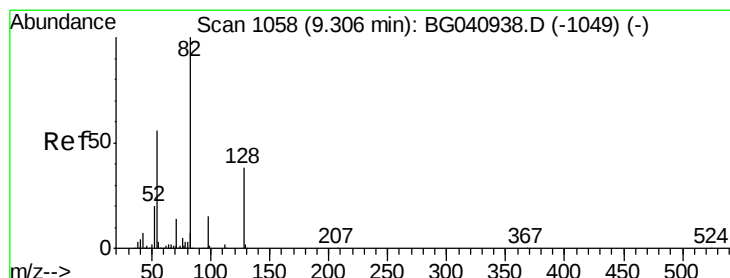
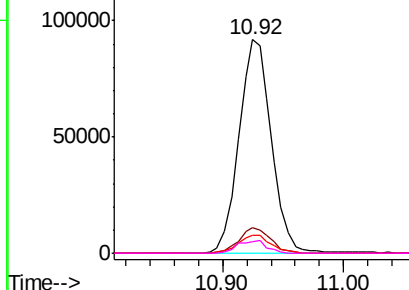
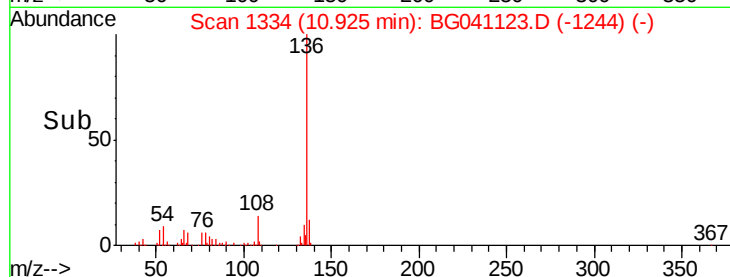
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BG041123.D
Acq: 8 Jun 2019 7:17

Instrument :
BNA_G
ClientSampleId :
BW-CONCRETE-1RE

Tot Ion:136	Resp:	171375
Ion Ratio	Lower	Upper
136	100	
137	11.9	8.9 13.3
54	8.6	7.4 11.2
68	5.6	4.0 6.0

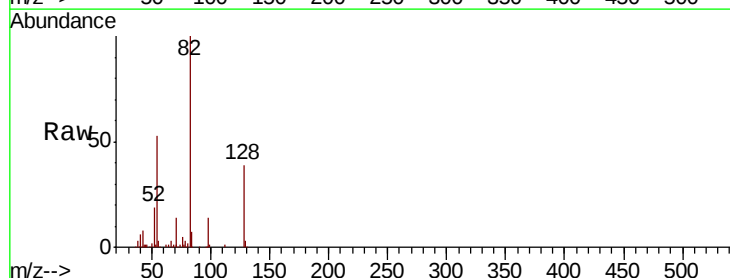


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

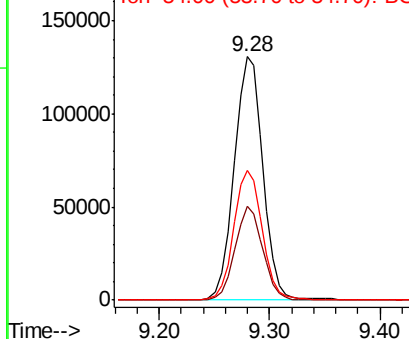
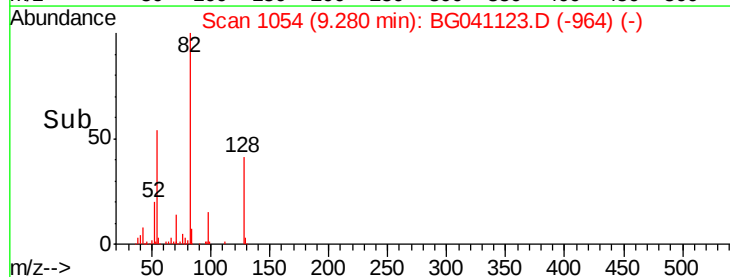


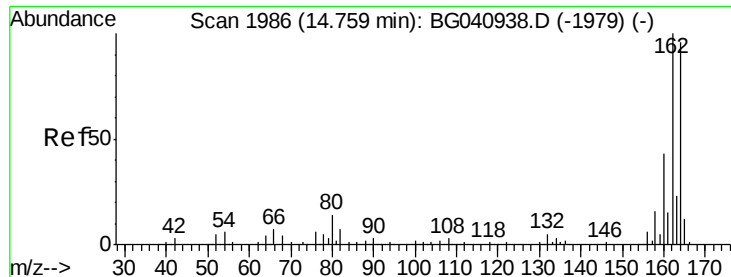
#23
Nitrobenzene-d5
Concen: 61.734 ng
RT: 9.28 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BG041123.D
Acq: 8 Jun 2019 7:17

Tgt Ion: 82	Resp:	238315
Ion Ratio	Lower	Upper
82	100	
128	38.6	29.8 44.6
54	53.3	43.6 65.4



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
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. -0.00 min

Lab File: BG041123.D

Acq: 8 Jun 2019 7:17

Instrument :

BNA_G

ClientSampleId :

BW-CONCRETE-1RE

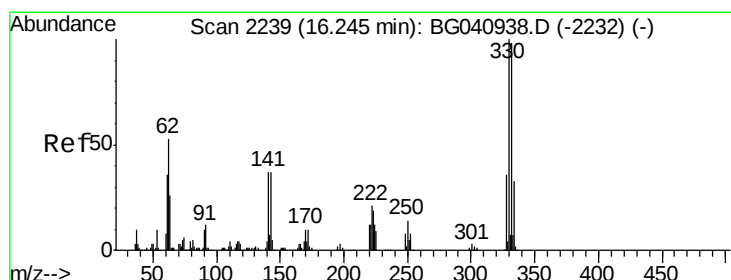
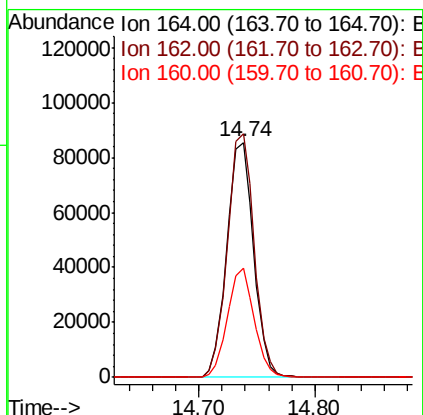
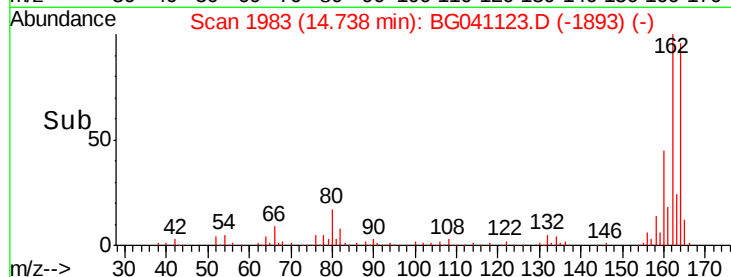
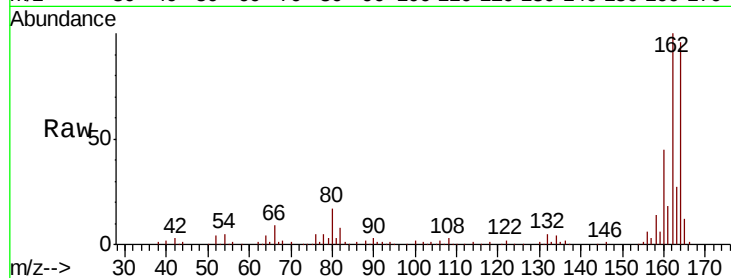
Tot Ion:164 Resp: 137382

Ion Ratio Lower Upper

164 100

162 103.7 85.4 128.0

160 46.8 37.1 55.7



#42

2,4,6-Tribromophenol

Concen: 2.949 ng

RT: 16.22 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BG041123.D

Acq: 8 Jun 2019 7:17

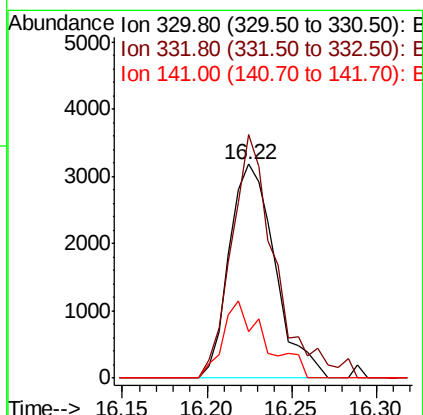
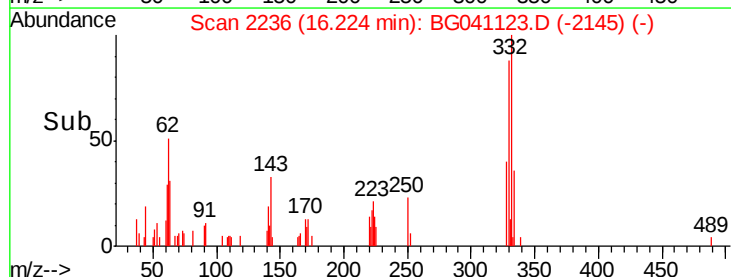
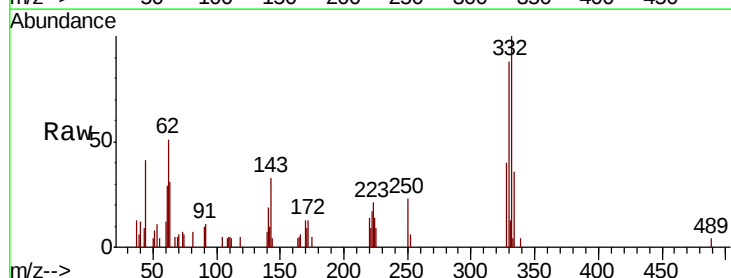
Tgt Ion:330 Resp: 6015

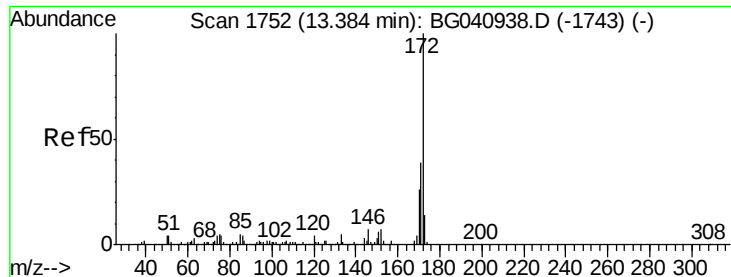
Ion Ratio Lower Upper

330 100

332 108.3 77.9 116.9

141 33.1 29.0 43.4

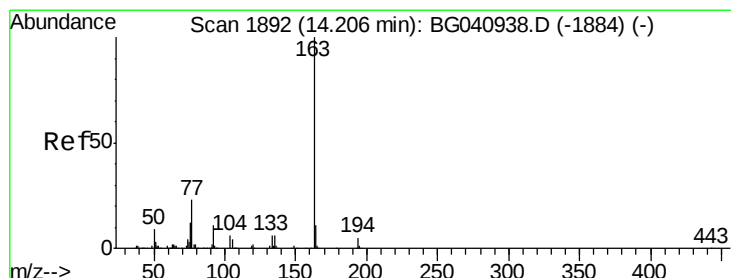
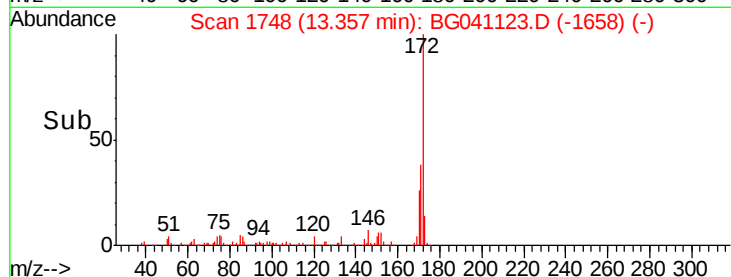
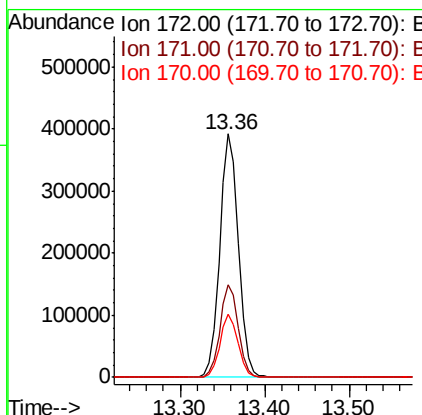
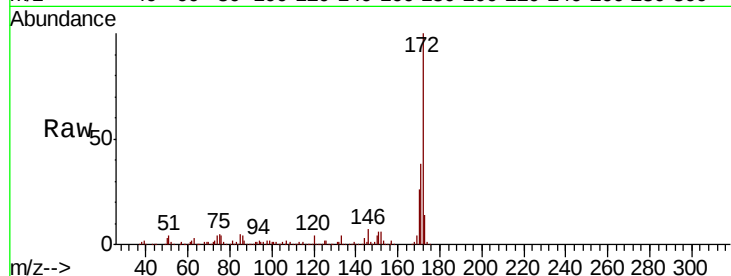




#45
2-Fluorobiphenyl
Concen: 63.104 ng
RT: 13.36 min Scan# 1748
Delta R.T. -0.00 min
Lab File: BG041123.D
Acq: 8 Jun 2019 7:17

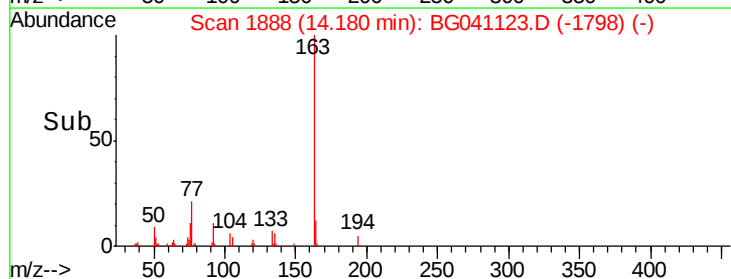
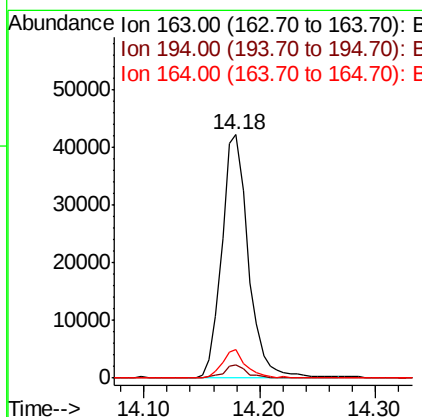
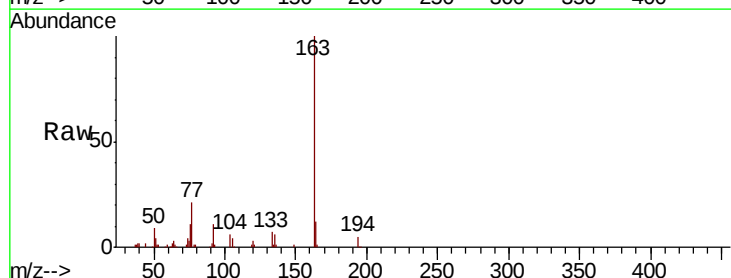
Instrument :
BNA_G
ClientSampleId :
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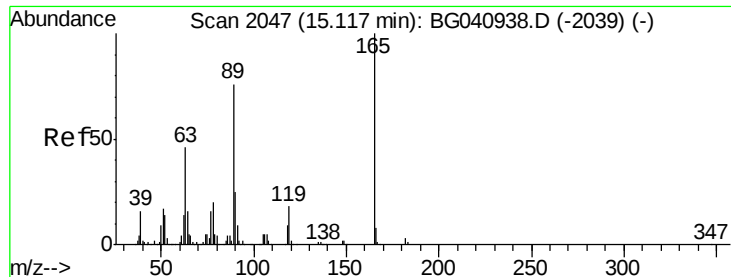
Tot Ion:172 Resp: 601994
Ion Ratio Lower Upper
172 100
171 38.3 30.8 46.2
170 26.1 21.3 31.9



#50
Dimethylphthalate
Concen: 5.794 ng
RT: 14.18 min Scan# 1888
Delta R.T. -0.00 min
Lab File: BG041123.D
Acq: 8 Jun 2019 7:17

Tgt Ion:163 Resp: 67378
Ion Ratio Lower Upper
163 100
194 5.3 3.8 5.6
164 11.7 8.3 12.5

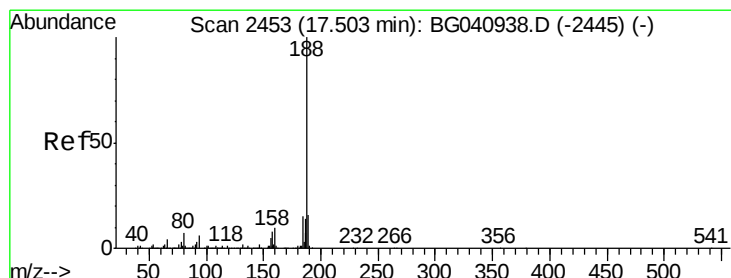
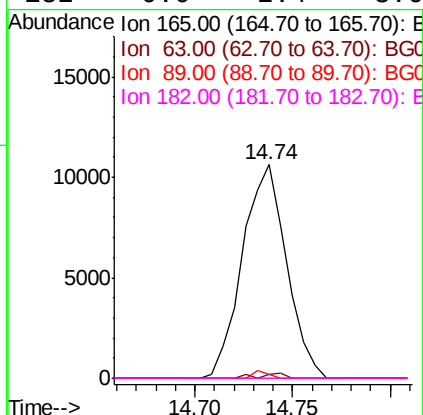
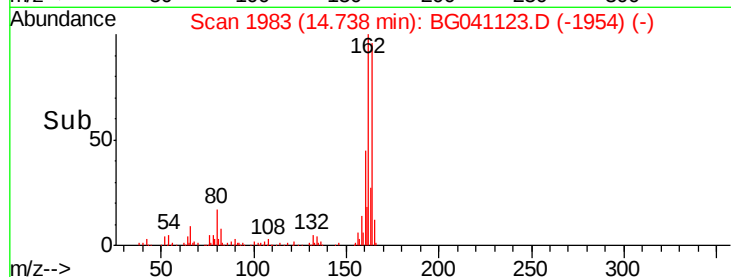
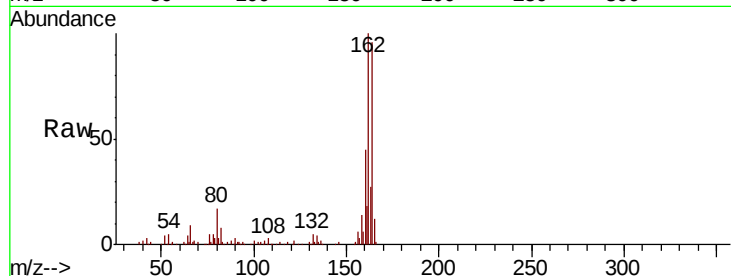




#57
 2,4-Dinitrotoluene
 Concen: 4.682 ng
 RT: 14.74 min Scan# 1983
 Delta R.T. -0.36 min
 Lab File: BG041123.D
 Acq: 8 Jun 2019 7:17

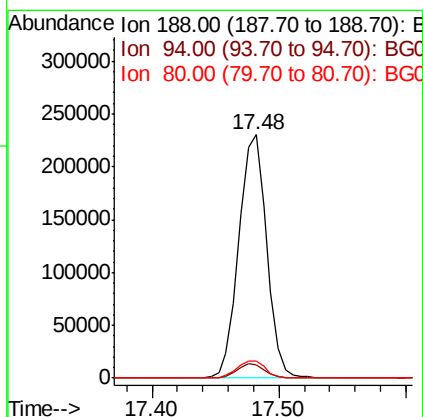
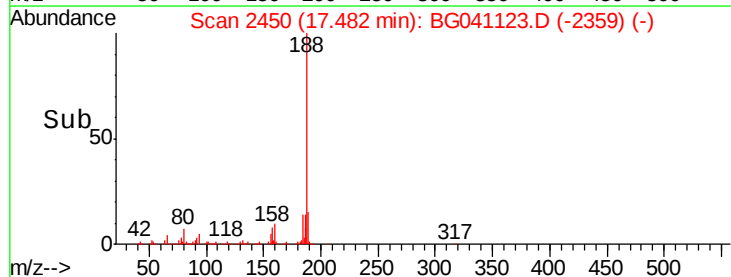
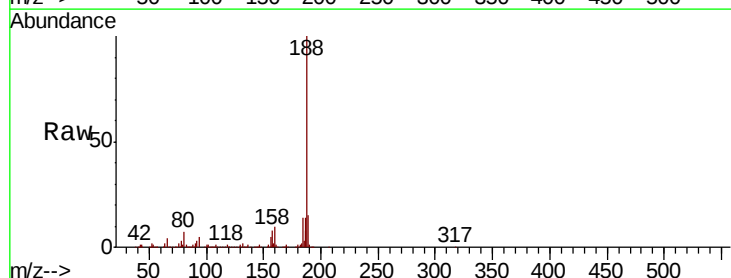
Instrument :
 BNA_G
 ClientSampleId :
 BW-CONCRETE-1RE

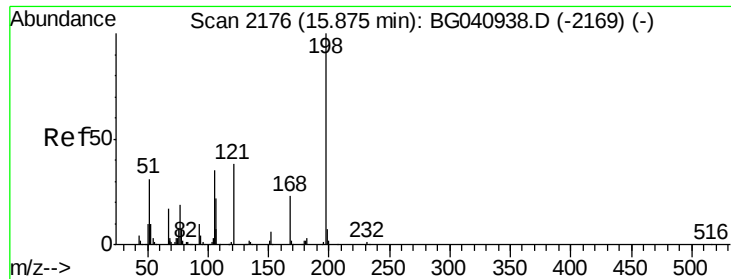
Tot Ion:165 Resp: 16583
 Ion Ratio Lower Upper
 165 100
 63 2.0 38.1 57.1#
 89 2.0 60.7 91.1#
 182 0.0 2.4 3.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2450
 Delta R.T. 0.00 min
 Lab File: BG041123.D
 Acq: 8 Jun 2019 7:17

Tgt Ion:188 Resp: 350790
 Ion Ratio Lower Upper
 188 100
 94 5.3 4.6 7.0
 80 6.8 5.8 8.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.614 ng

RT: 15.75 min Scan# 2155

Delta R.T. -0.11 min

Lab File: BG041123.D

Acq: 8 Jun 2019 7:17

Instrument :

BNA_G

ClientSampleId :

BW-CONCRETE-1RE

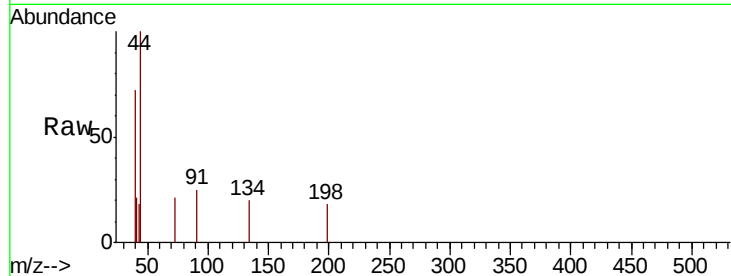
Tot Ion:198 Resp: 55

Ion Ratio Lower Upper

198 100

51 0.0 22.9 62.9#

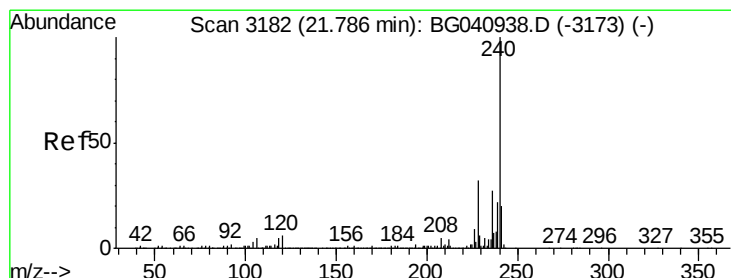
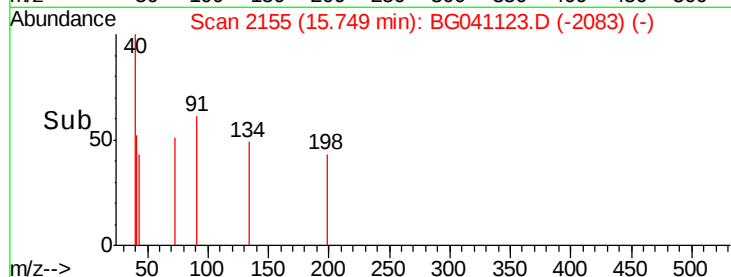
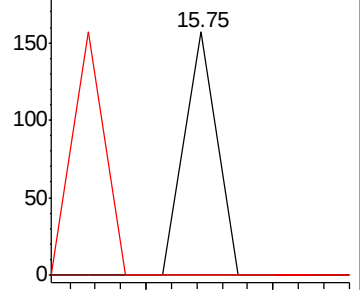
105 0.0 19.1 59.1#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.75 min Scan# 3177

Delta R.T. -0.01 min

Lab File: BG041123.D

Acq: 8 Jun 2019 7:17

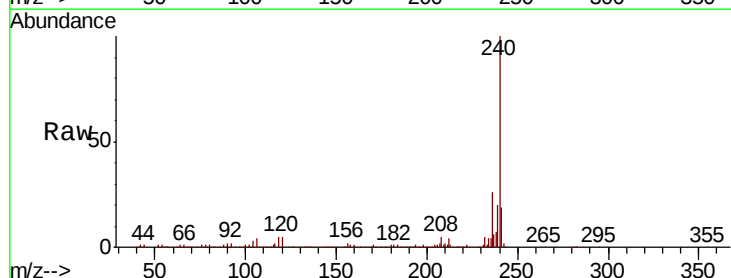
Tgt Ion:240 Resp: 356671

Ion Ratio Lower Upper

240 100

120 4.6 4.6 6.8

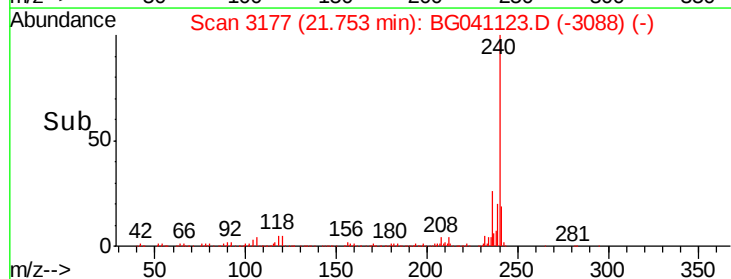
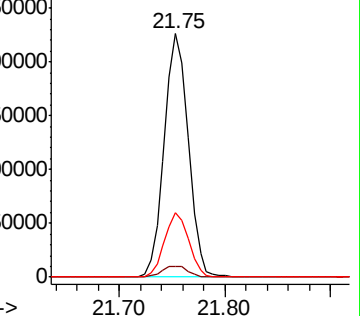
236 26.4 20.6 31.0

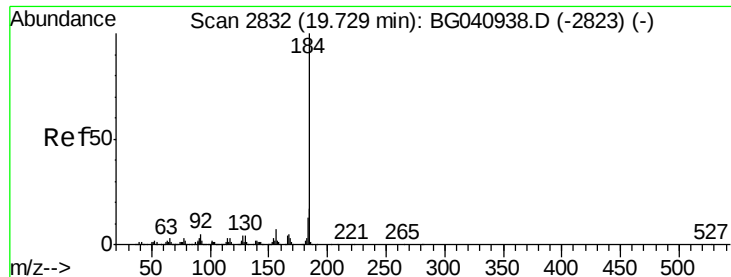


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.032 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.37 min

Lab File: BG041123.D

Acq: 8 Jun 2019 7:17

Instrument :

BNA_G

ClientSampleId :

BW-CONCRETE-1RE

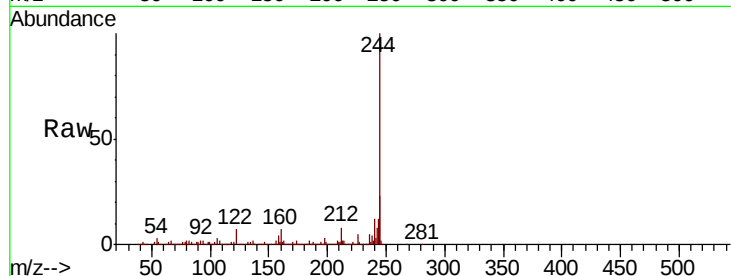
Tot Ion:184 Resp: 17287

Ion Ratio Lower Upper

184 100

185 18.3 12.6 18.8

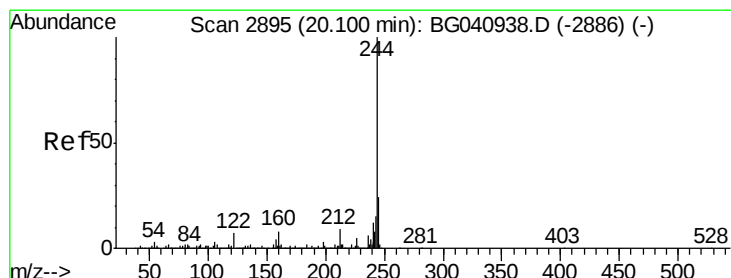
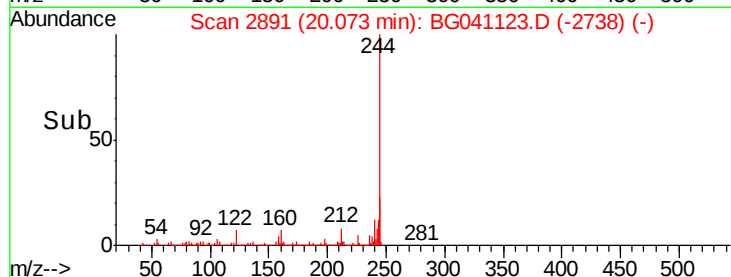
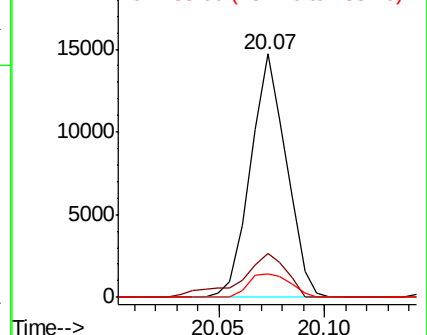
183 9.8 10.2 15.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 65.653 ng

RT: 20.07 min Scan# 2891

Delta R.T. -0.00 min

Lab File: BG041123.D

Acq: 8 Jun 2019 7:17

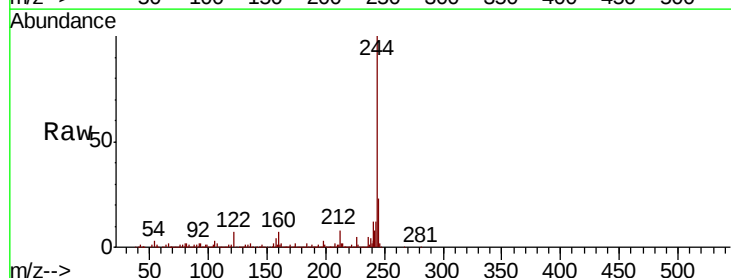
Tgt Ion:244 Resp: 1103338

Ion Ratio Lower Upper

244 100

212 8.4 6.9 10.3

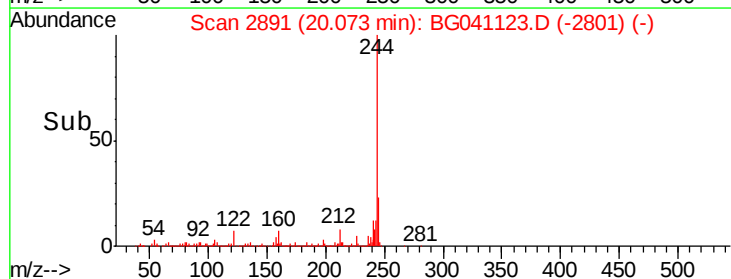
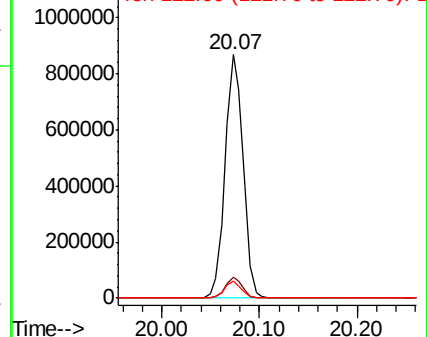
122 6.9 5.4 8.0

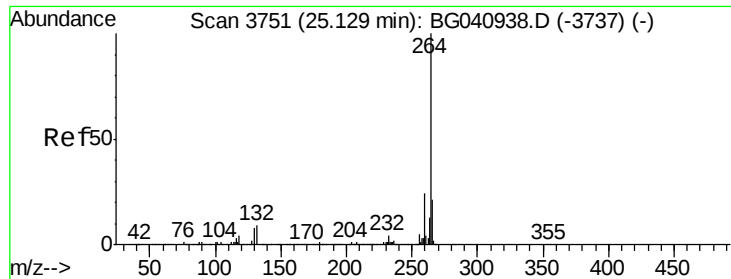


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

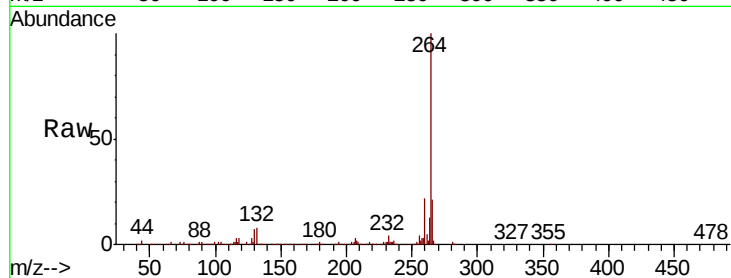




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.08 min Scan# 3743
Delta R.T. -0.00 min
Lab File: BG041123.D
Acq: 8 Jun 2019 7:17

Instrument :
BNA_G
ClientSampleId :
BW-CONCRETE-1RE

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.1	28.7
265	21.0	17.6	26.4



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

