

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060619\
 Data File : BG041089.D
 Acq On : 6 Jun 2019 13:41
 Operator : HP/JU
 Sample : K3177-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NB-CONCRETE-1

Quant Time: Jun 06 23:16:23 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

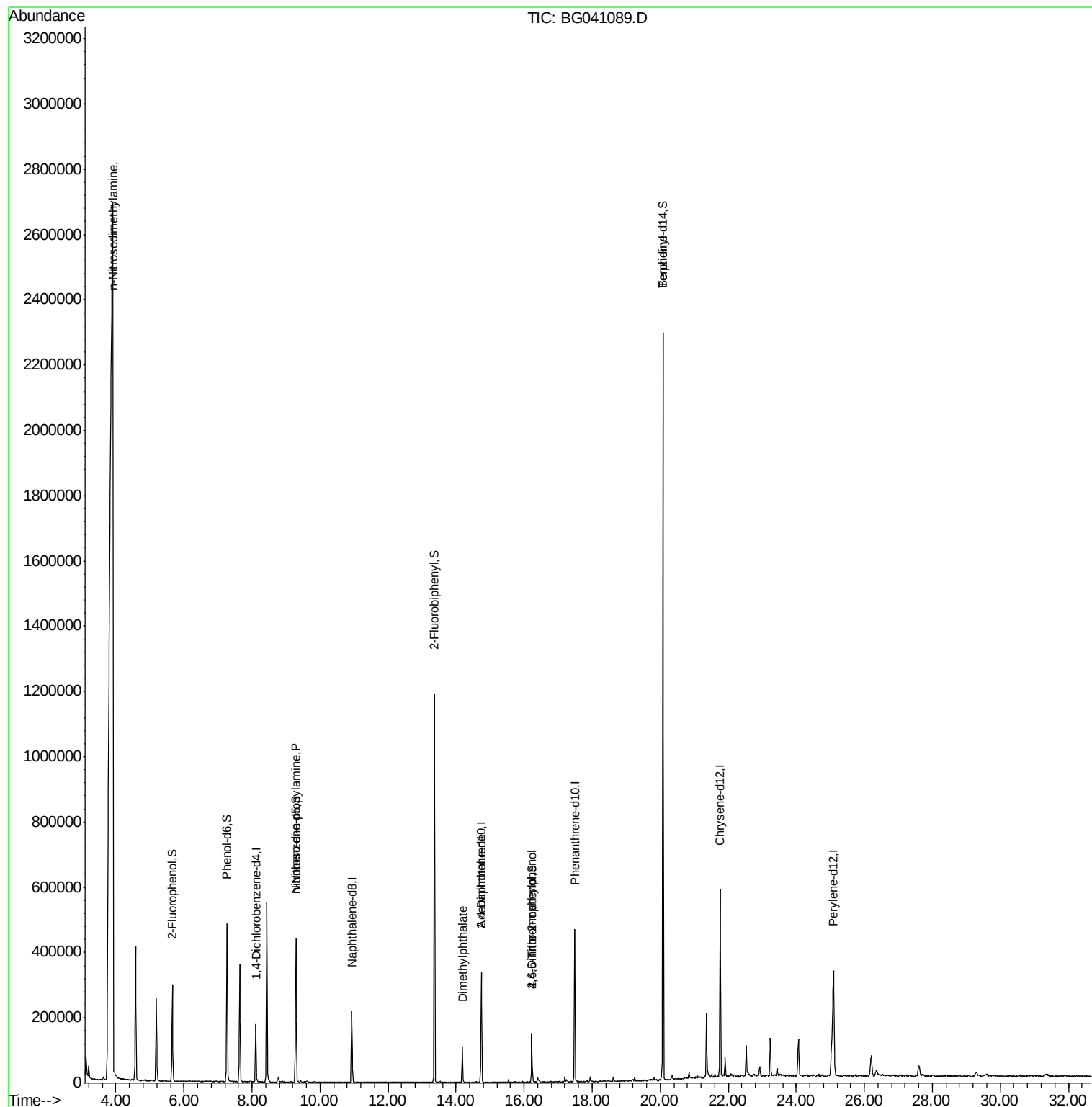
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	46641	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	171870	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	116207	20.00	ng	-0.02
64) Phenanthrene-d10	17.49	188	293738	20.00	ng	-0.01
76) Chrysene-d12	21.77	240	342686	20.00	ng	-0.02
87) Perylene-d12	25.09	264	372625	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	119893	46.35	ng	0.00
7) Phenol-d6	7.26	99	286611	71.75	ng	0.00
23) Nitrobenzene-d5	9.29	82	266009	68.71	ng	-0.01
42) 2,4,6-Tribromophenol	16.22	330	30741	17.82	ng	-0.02
45) 2-Fluorobiphenyl	13.36	172	577620	71.58	ng	-0.02
79) Terphenyl-d14	20.08	244	1100718	68.17	ng	-0.02
Target Compounds						
4) n-Nitrosodimethylamine	3.92	42	604374	374.953	ng	# 1
19) n-Nitroso-di-n-propylamine	9.29	70	38143	12.408	ng	# 77
50) Dimethylphthalate	14.18	163	73988	7.521	ng	# 97
57) 2,4-Dinitrotoluene	14.74	165	14843	4.954	ng	# 21
65) 4,6-Dinitro-2-methylphenol	16.23	198	56	8.619	ng	# 36
77) Benzidine	20.08	184	17671	2.162	ng	# 89

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

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Quant Time: Jun 06 23:16:23 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



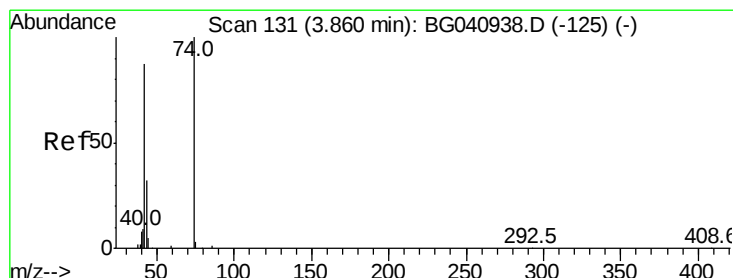
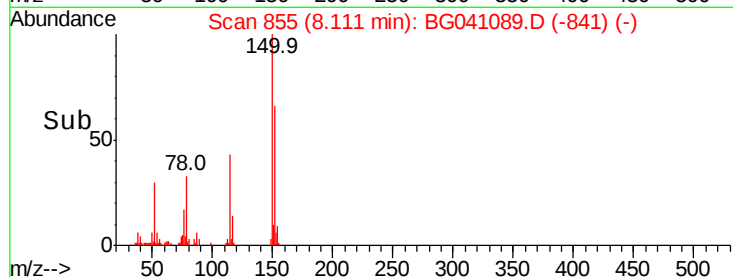
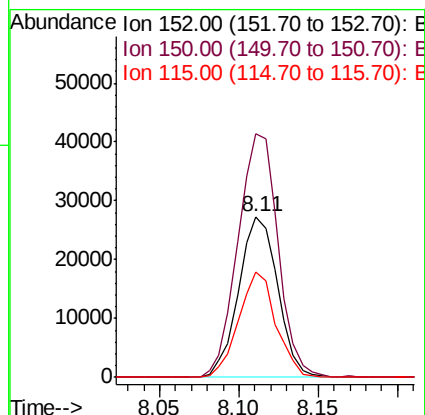
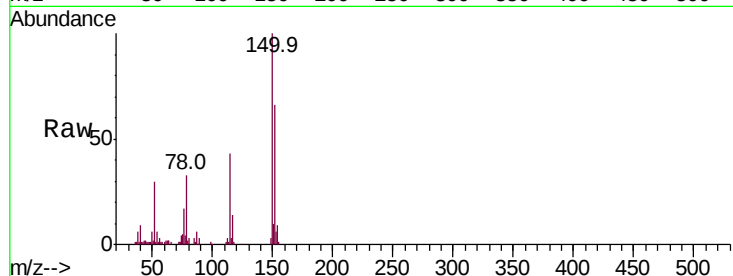


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 855
Delta R.T. -0.02 min
Lab File: BG041089.D
Acq: 6 Jun 2019 13:41

Instrument :
BNA_G
ClientSampleId :
NB-CONCRETE-1

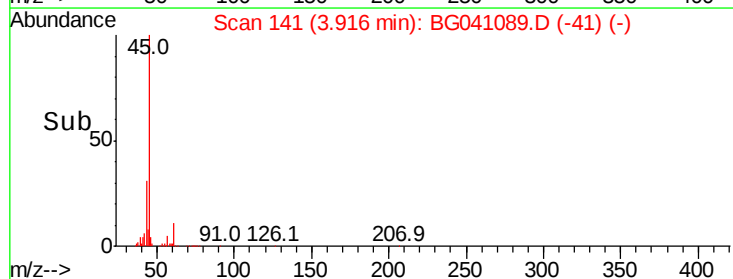
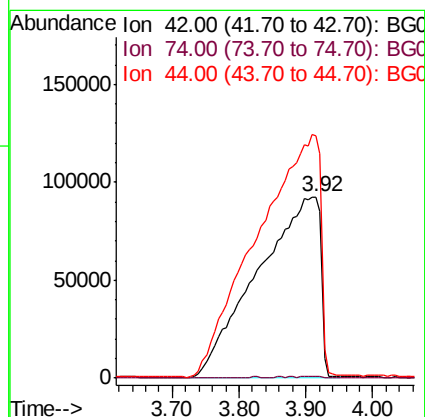
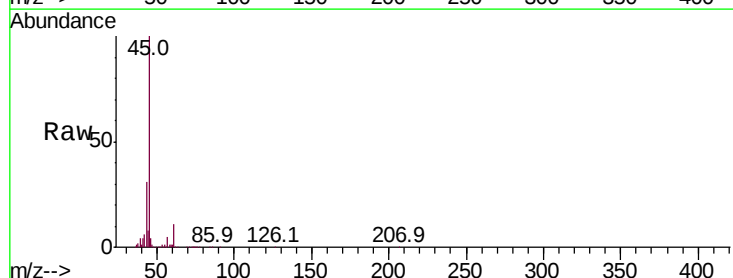
Tot Ion:152 Resp: 46641
Ion Ratio Lower Upper
152 100
150 151.3 120.6 180.8
115 65.3 45.1 67.7

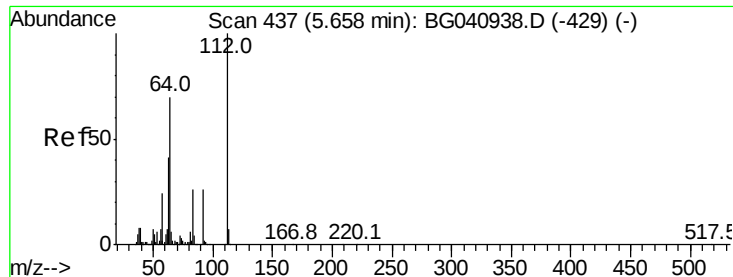


#4

n-Nitrosodimethylamine
Concen: 374.953 ng
RT: 3.92 min Scan# 141
Delta R.T. 0.06 min
Lab File: BG041089.D
Acq: 6 Jun 2019 13:41

Tgt Ion: 42 Resp: 604374
Ion Ratio Lower Upper
42 100
74 0.7 91.8 137.6#
44 134.0 6.0 9.0#





#5

2-Fluorophenol

Concen: 46.352 ng

RT: 5.65 min Scan# 437

Delta R.T. -0.00 min

Lab File: BG041089.D

Acq: 6 Jun 2019 13:41

Instrument :

BNA_G

ClientSampleId :

NB-CONCRETE-1

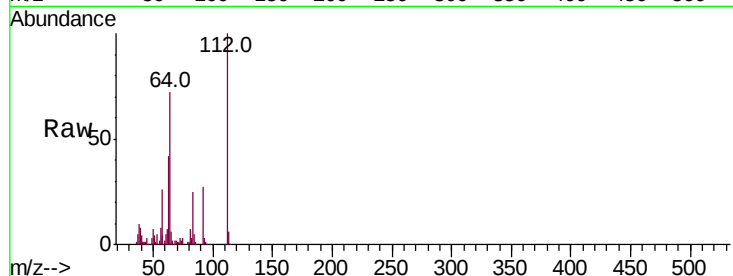
Tot Ion:112 Resp: 119893

Ion Ratio Lower Upper

112 100

64 72.1 56.2 84.2

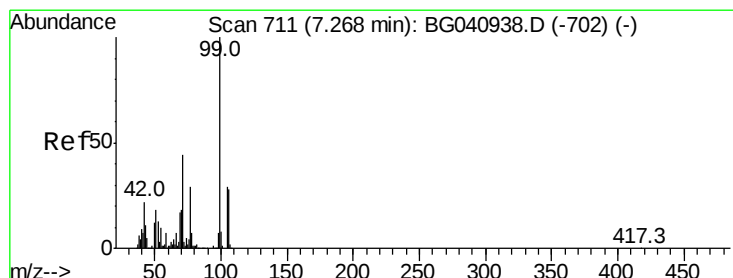
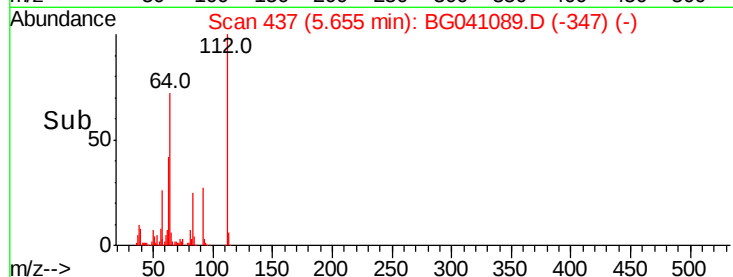
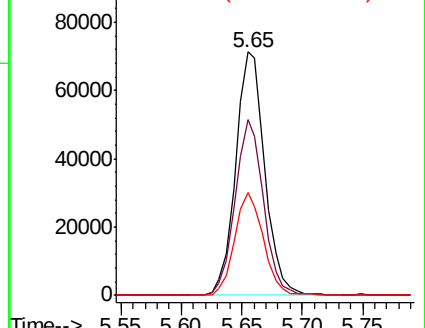
63 42.4 32.8 49.2



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 71.749 ng

RT: 7.26 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG041089.D

Acq: 6 Jun 2019 13:41

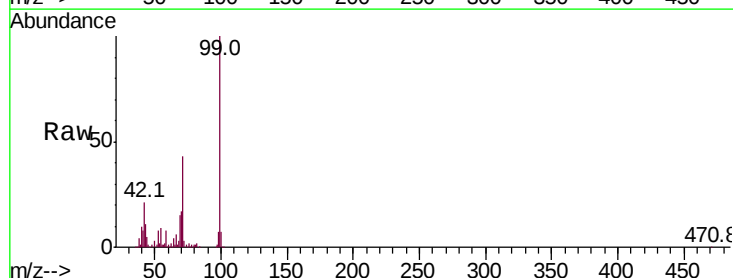
Tgt Ion: 99 Resp: 286611

Ion Ratio Lower Upper

99 100

42 21.5 17.9 26.9

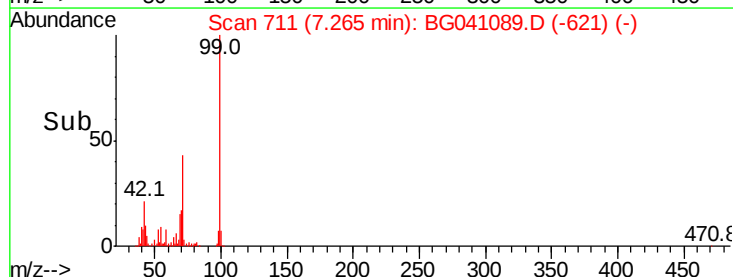
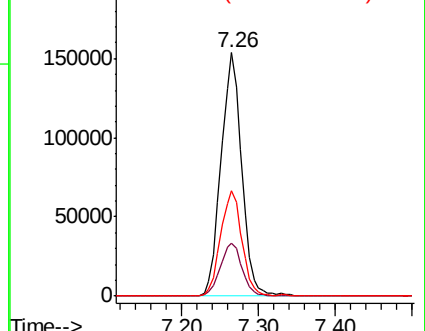
71 43.2 35.4 53.0

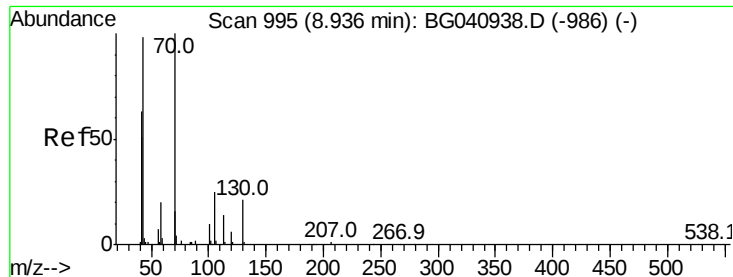


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

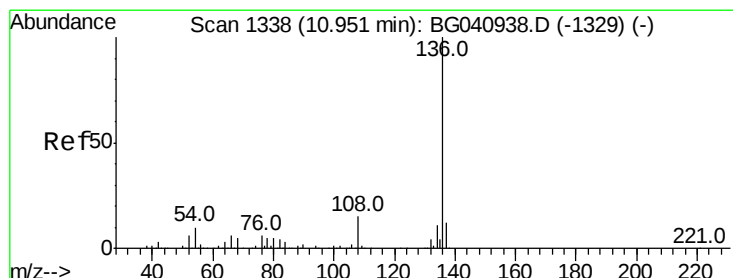
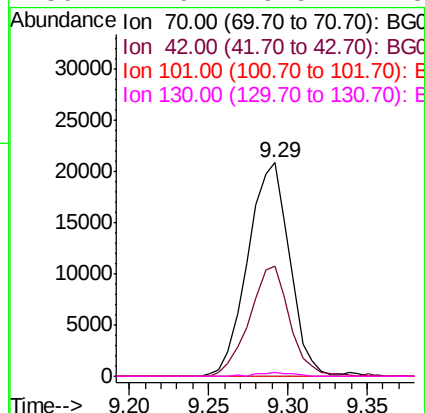
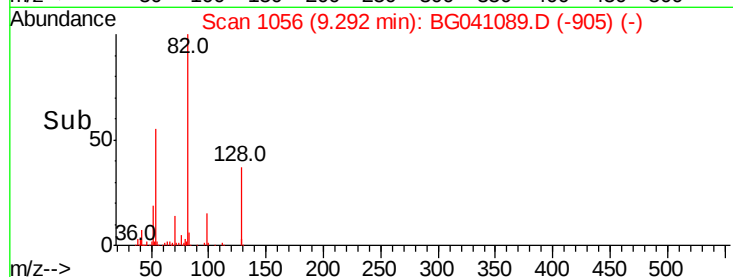
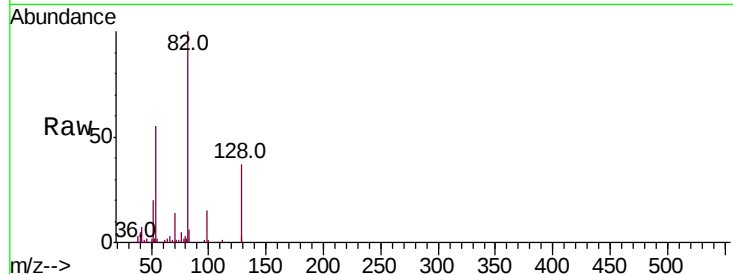




#19
n-Nitroso-di-n-propylamine
Concen: 12.408 ng
RT: 9.29 min Scan# 1056
Delta R.T. 0.36 min
Lab File: BG041089.D
Acq: 6 Jun 2019 13:41

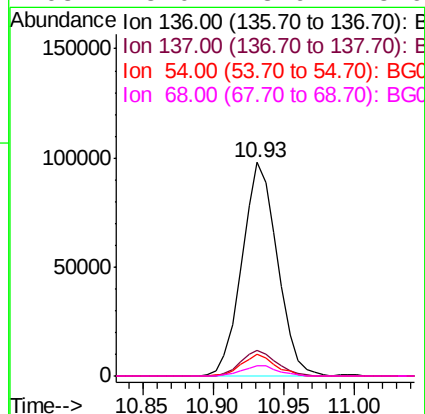
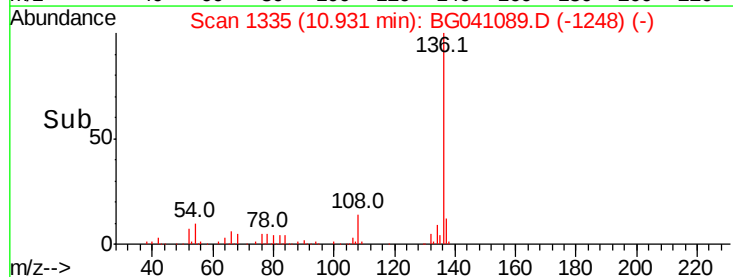
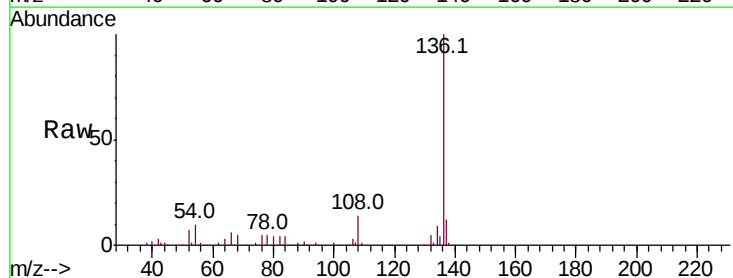
Instrument :
BNA_G
ClientSampleId :
NB-CONCRETE-1

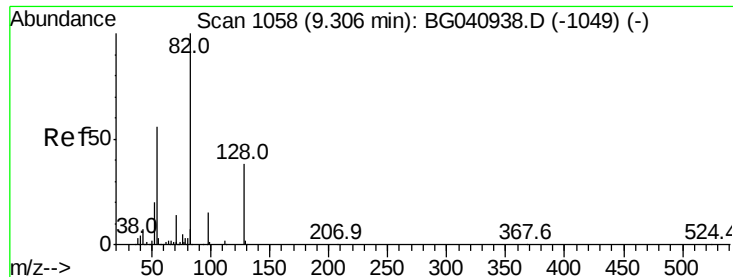
Tot Ion: 70 Resp: 38143
Ion Ratio Lower Upper
70 100
42 51.4 51.5 77.3#
101 0.0 8.1 12.1#
130 1.9 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BG041089.D
Acq: 6 Jun 2019 13:41

Tgt Ion: 136 Resp: 171870
Ion Ratio Lower Upper
136 100
137 11.8 9.5 14.3
54 10.1 7.6 11.4
68 5.0 3.9 5.9

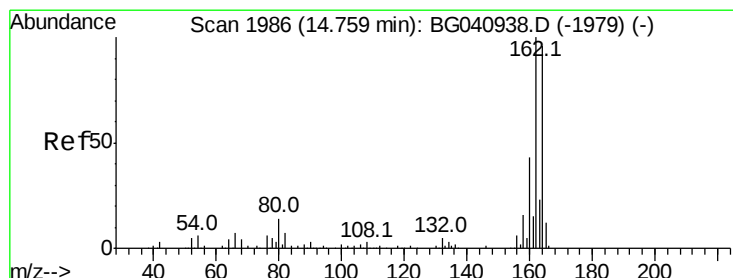
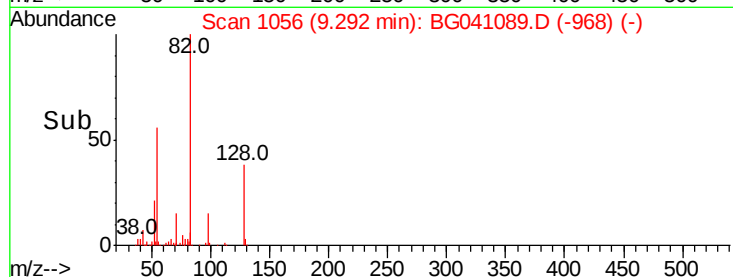
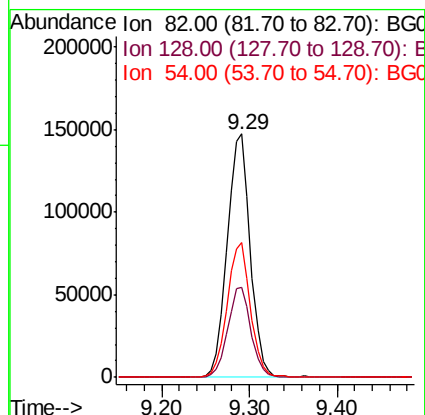
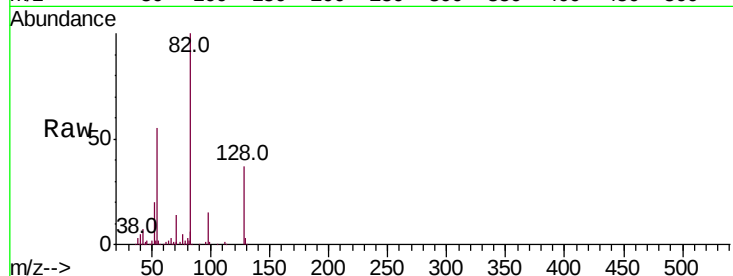




#23
Nitrobenzene-d5
Concen: 68.710 ng
RT: 9.29 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BG041089.D
Acq: 6 Jun 2019 13:41

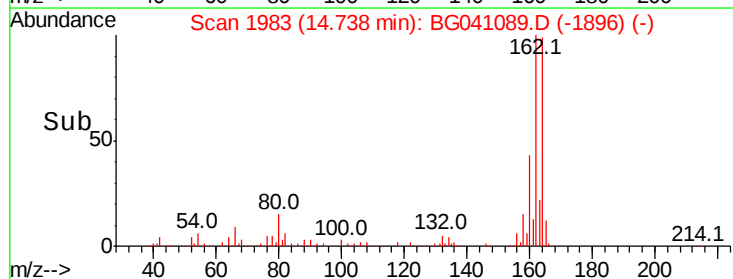
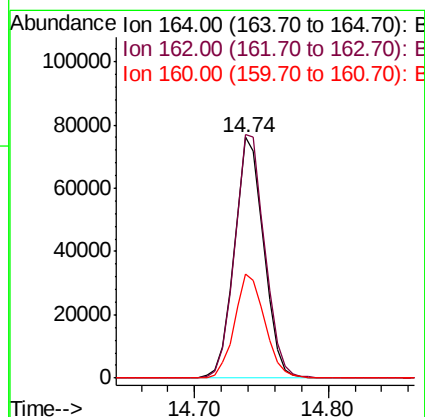
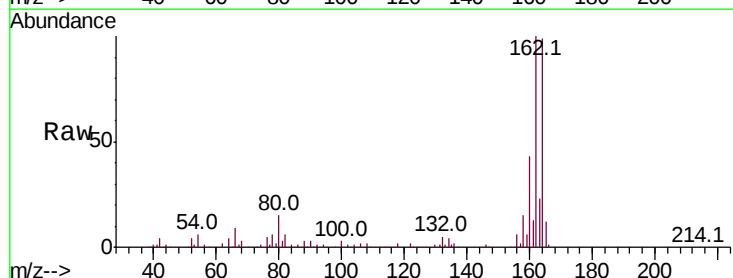
Instrument :
BNA_G
ClientSampleId :
NB-CONCRETE-1

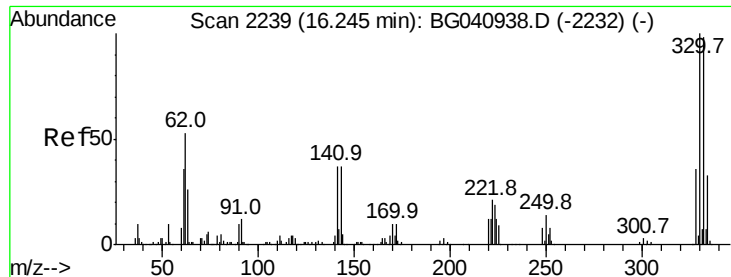
Tot Ion	Ratio	Lower	Upper
82	100		
128	36.9	30.5	45.7
54	55.1	44.6	66.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1983
Delta R.T. -0.02 min
Lab File: BG041089.D
Acq: 6 Jun 2019 13:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	83.0	124.4
160	43.3	35.6	53.4

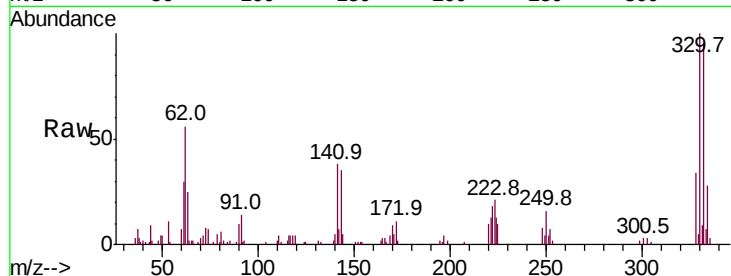




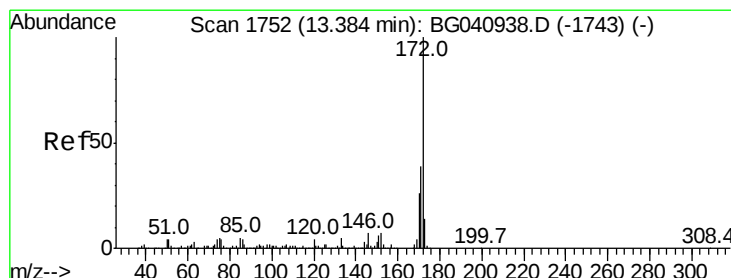
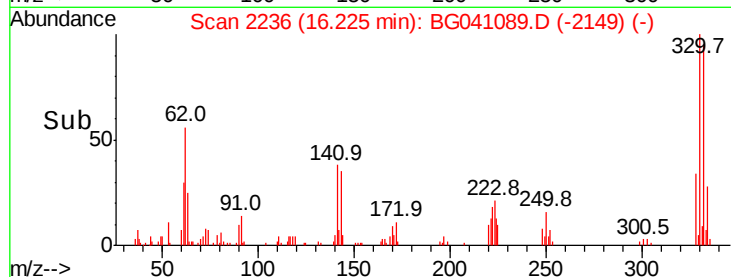
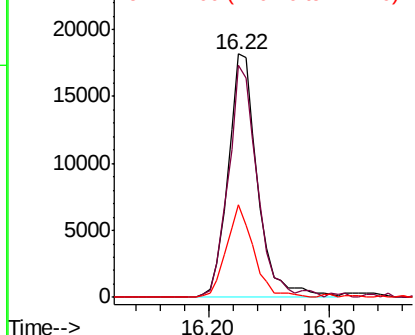
#42
 2,4,6-Tribromophenol
 Concen: 17.819 ng
 RT: 16.22 min Scan# 2236
 Delta R.T. -0.02 min
 Lab File: BG041089.D
 Acq: 6 Jun 2019 13:41

Instrument :
 BNA_G
 ClientSampleId :
 NB-CONCRETE-1

Tot Ion:330 Resp: 30741
 Ion Ratio Lower Upper
 330 100
 332 92.3 78.5 117.7
 141 35.2 28.7 43.1

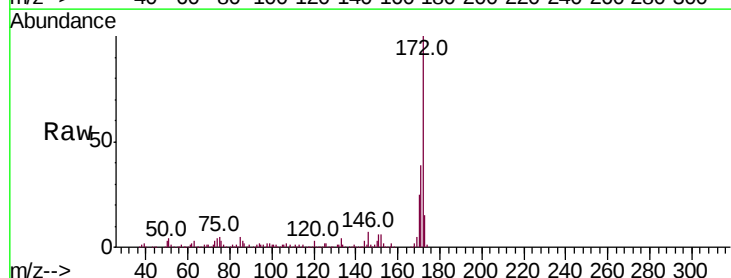


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

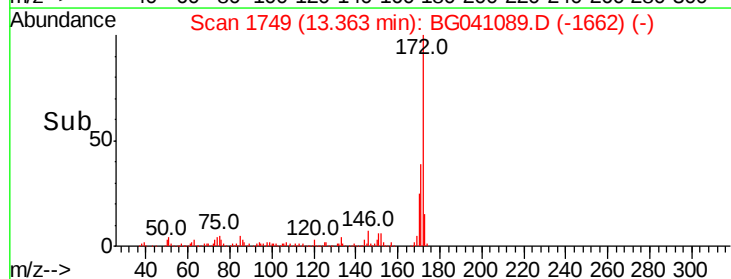
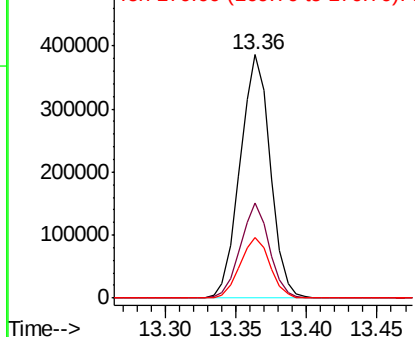


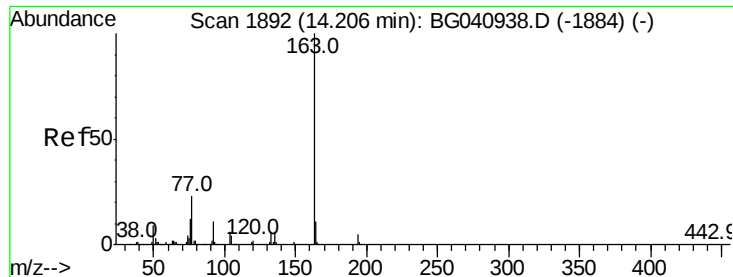
#45
 2-Fluorobiphenyl
 Concen: 71.582 ng
 RT: 13.36 min Scan# 1749
 Delta R.T. -0.02 min
 Lab File: BG041089.D
 Acq: 6 Jun 2019 13:41

Tgt Ion:172 Resp: 577620
 Ion Ratio Lower Upper
 172 100
 171 38.9 31.1 46.7
 170 24.8 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: 7.521 ng

RT: 14.18 min Scan# 1888

Delta R.T. -0.03 min

Lab File: BG041089.D

Acq: 6 Jun 2019 13:41

Instrument :

BNA_G

ClientSampleId :

NB-CONCRETE-1

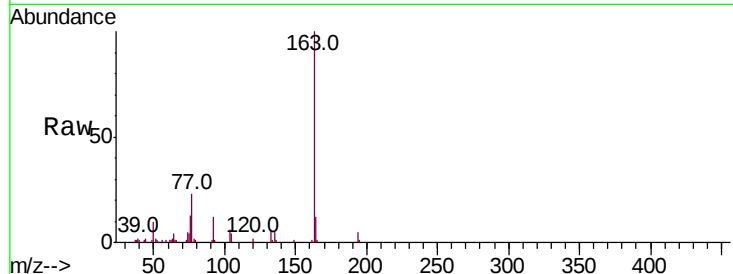
Tot Ion:163 Resp: 73988

Ion Ratio Lower Upper

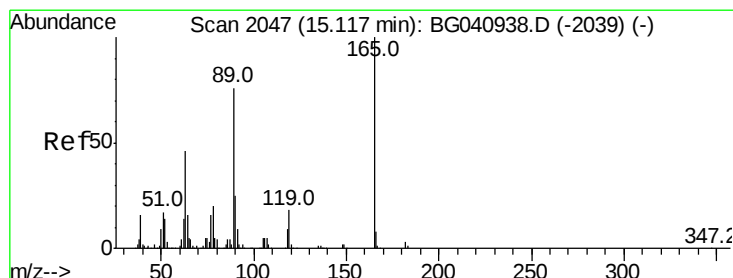
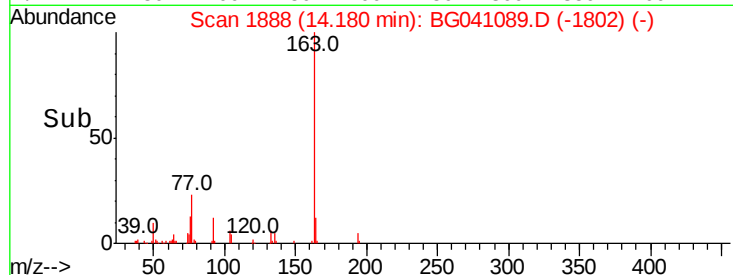
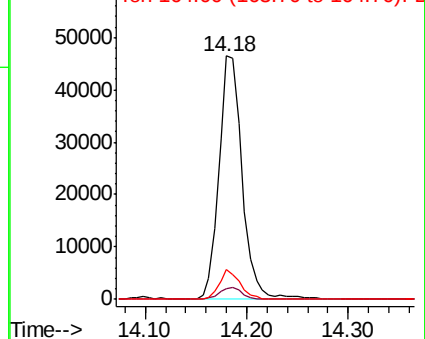
163 100

194 4.5 3.8 5.8

164 12.5 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: 4.954 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.38 min

Lab File: BG041089.D

Acq: 6 Jun 2019 13:41

Tgt Ion:165 Resp: 14843

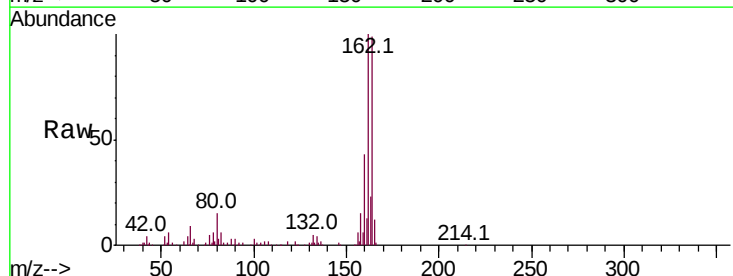
Ion Ratio Lower Upper

165 100

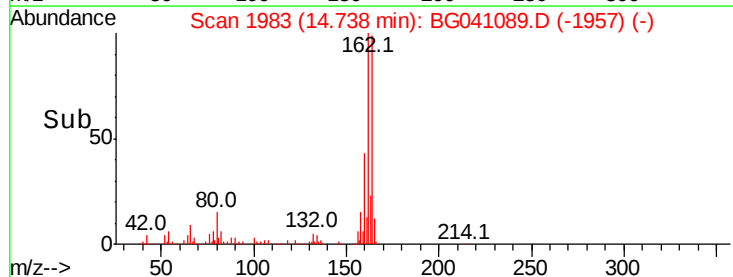
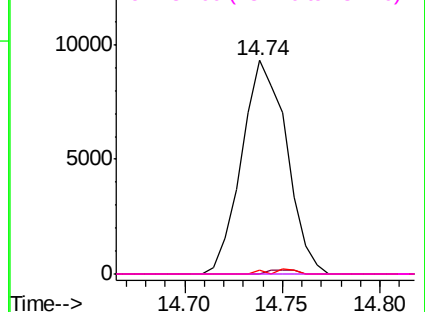
63 0.0 37.3 55.9#

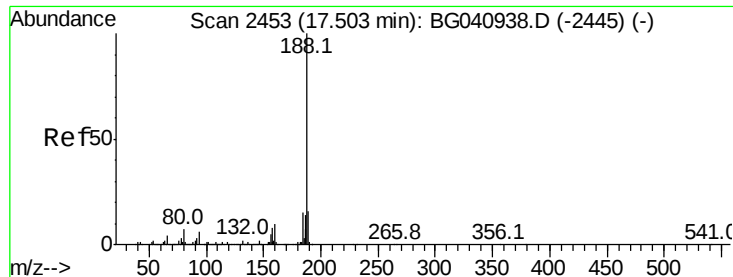
89 1.9 61.0 91.6#

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# 2451

Delta R.T. -0.01 min

Lab File: BG041089.D

Acq: 6 Jun 2019 13:41

Instrument :

BNA_G

ClientSampleId :

NB-CONCRETE-1

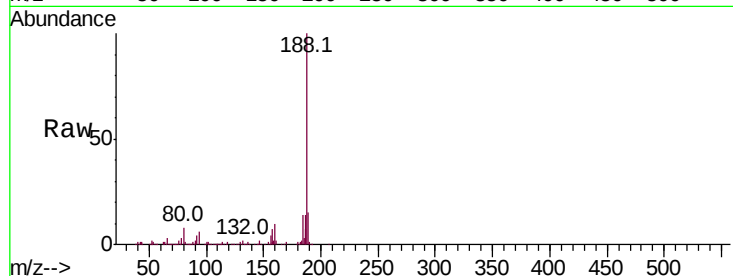
Tot Ion:188 Resp: 293738

Ion Ratio Lower Upper

188 100

94 5.7 4.7 7.1

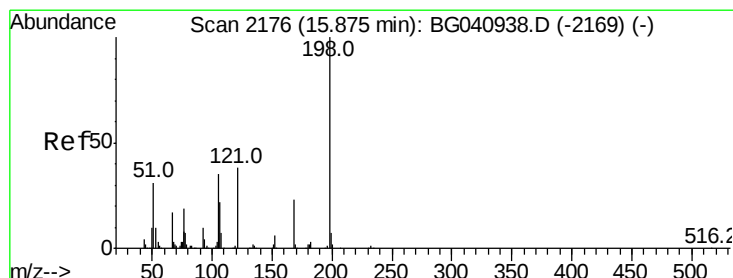
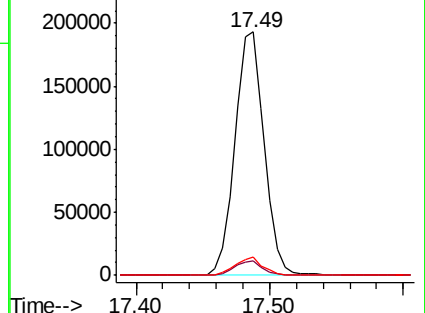
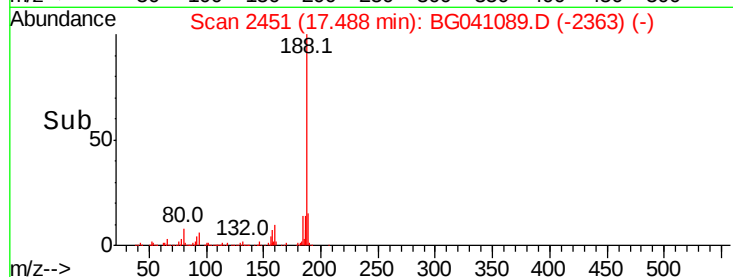
80 7.6 5.8 8.8



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



#65

4,6-Dinitro-2-methylphenol

Concen: 8.619 ng

RT: 16.23 min Scan# 2237

Delta R.T. 0.36 min

Lab File: BG041089.D

Acq: 6 Jun 2019 13:41

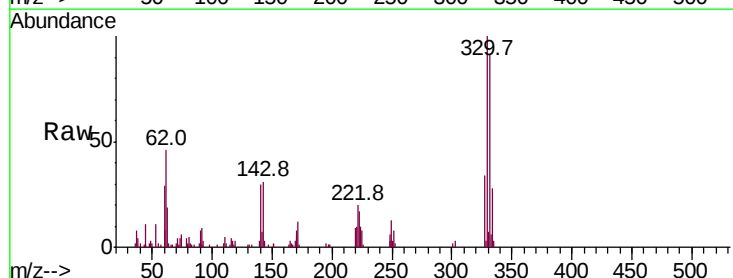
Tgt Ion:198 Resp: 56

Ion Ratio Lower Upper

198 100

51 0.0 21.6 61.6#

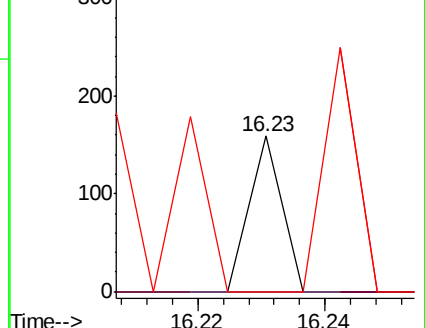
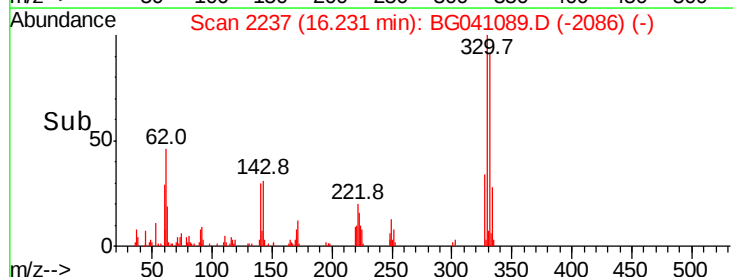
105 0.0 17.5 57.5#

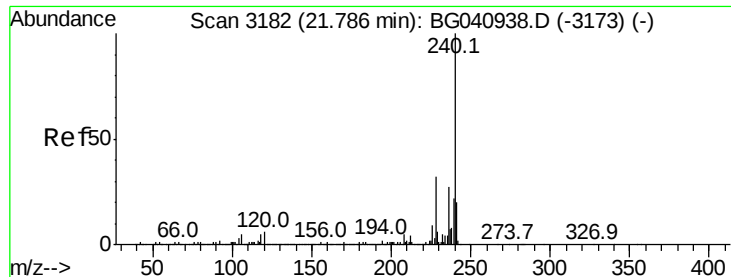


Abundance Ion 198.00 (197.70 to 198.70): E

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: 21.77 min Scan# 3179

Delta R.T. -0.02 min

Lab File: BG041089.D

Acq: 6 Jun 2019 13:41

Instrument :

BNA_G

ClientSampleId :

NB-CONCRETE-1

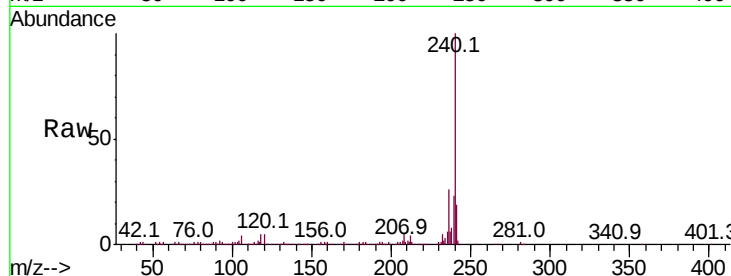
Tot Ion:240 Resp: 342686

Ion Ratio Lower Upper

240 100

120 4.6 4.5 6.7

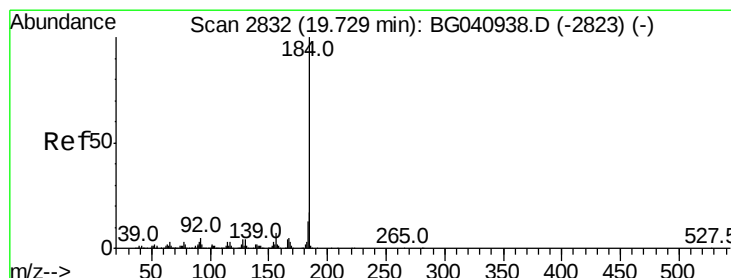
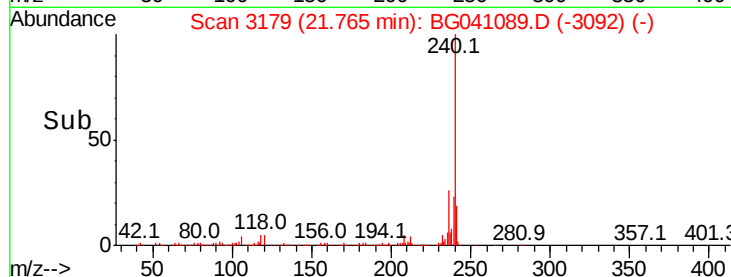
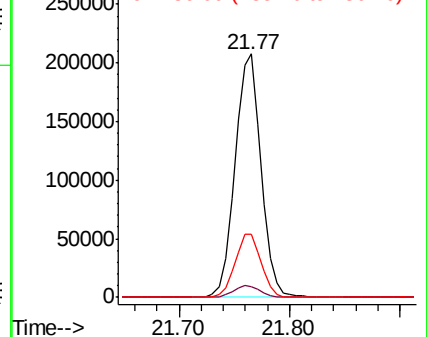
236 25.9 21.3 31.9



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



#77

Benzidine

Concen: 2.162 ng

RT: 20.08 min Scan# 2892

Delta R.T. 0.35 min

Lab File: BG041089.D

Acq: 6 Jun 2019 13:41

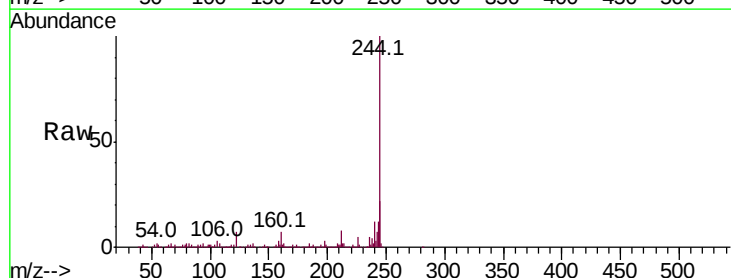
Tgt Ion:184 Resp: 17671

Ion Ratio Lower Upper

184 100

185 18.4 13.3 19.9

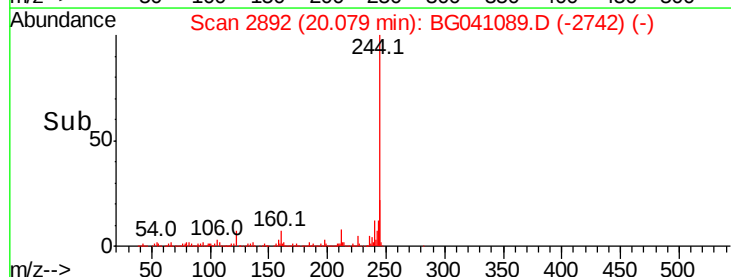
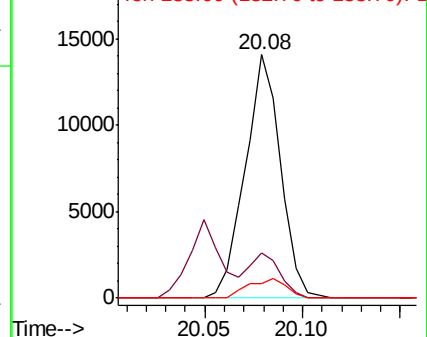
183 6.0 10.7 16.1#

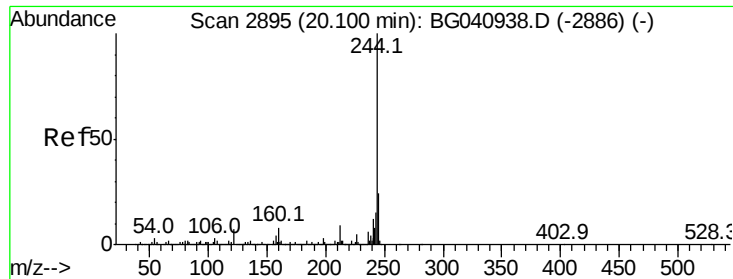


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 68.170 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.02 min

Lab File: BG041089.D

Acq: 6 Jun 2019 13:41

Instrument :

BNA_G

ClientSampleId :

NB-CONCRETE-1

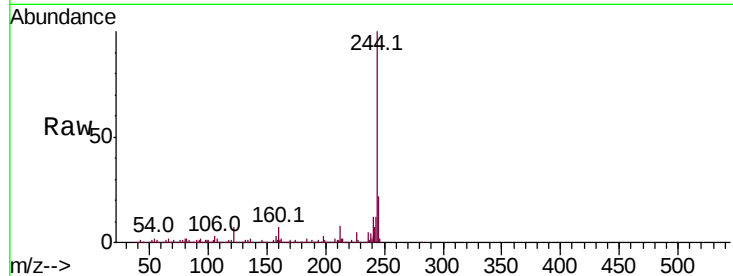
Tot Ion:244 Resp: 1100718

Ion Ratio Lower Upper

244 100

212 8.4 7.0 10.4

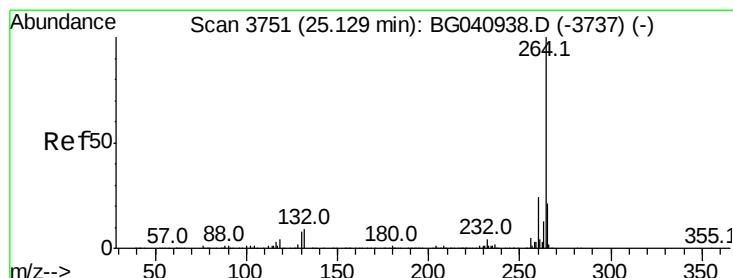
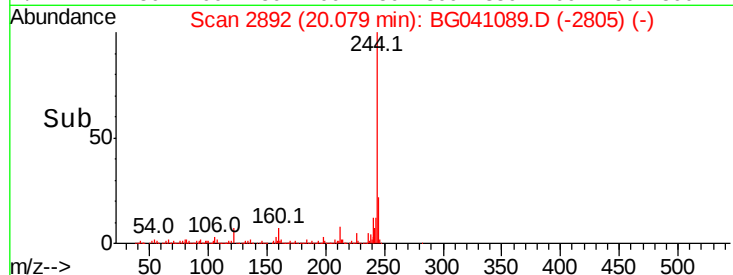
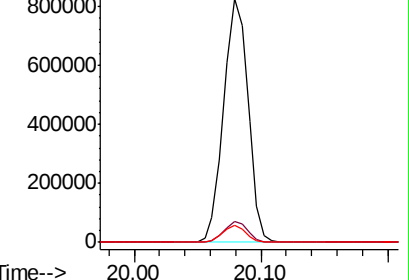
122 6.8 5.4 8.0



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. -0.04 min

Lab File: BG041089.D

Acq: 6 Jun 2019 13:41

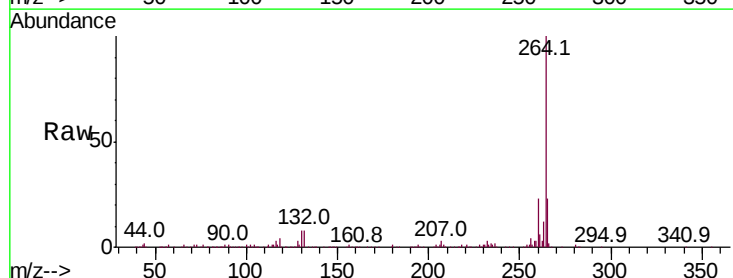
Tgt Ion:264 Resp: 372625

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 22.7 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

