

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG020619\NOT REVIEWED DATA\
 Data File : BG039370.D
 Acq On : 6 Feb 2019 14:40
 Operator : JU/SJ
 Sample : K1381-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CONCRETE

Quant Time: Feb 07 01:15:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	54961	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	233156	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	155275	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	355269	20.00	ng	-0.01
76) Chrysene-d12	21.84	240	386224	20.00	ng	-0.01
87) Perylene-d12	25.22	264	401667	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	475687	148.13	ng	0.00
7) Phenol-d6	7.31	99	741532	156.88	ng	0.00
23) Nitrobenzene-d5	9.35	82	452174	121.16	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	251015	150.12	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	1144054	105.70	ng	0.00
79) Terphenyl-d14	20.14	244	1647800	90.31	ng	-0.01

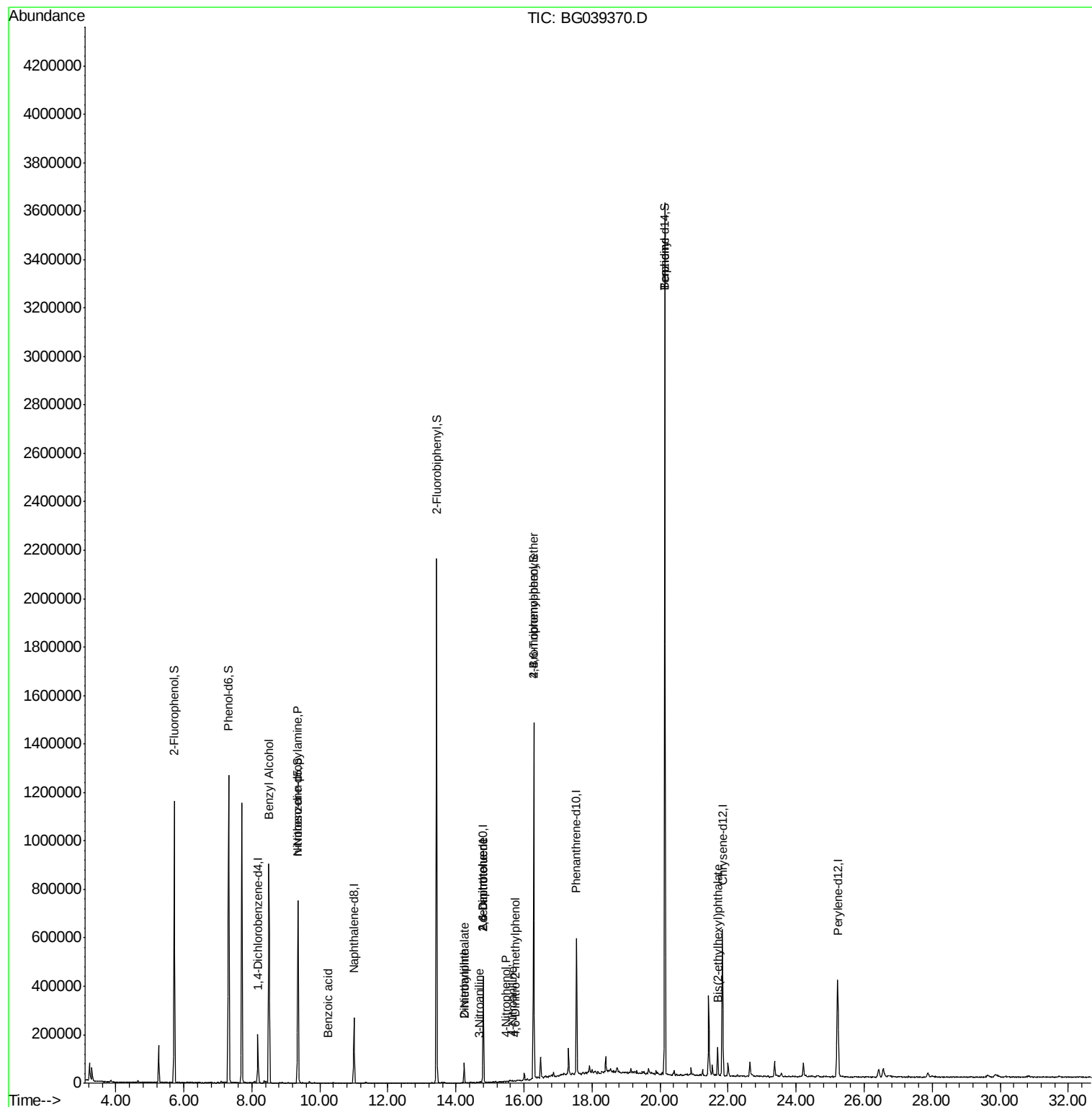
Target Compounds				Qvalue		
9) Benzaldehyde	7.31	77	1557	Below Cal	#	4
15) Benzyl Alcohol	8.51	79	7702	2.075 ng	#	39
19) n-Nitroso-di-n-propylamine	9.35	70	57699	17.198 ng	#	70
32) Benzoic acid	10.23	122	55	9.041 ng	#	1
48) 2-Nitroaniline	14.25	65	452	8.430 ng	#	1
50) Dimethylphthalate	14.25	163	55527	4.428 ng		96
51) 2,6-Dinitrotoluene	14.80	165	19284	13.662 ng	#	23
53) 3-Nitroaniline	14.69	138	57	5.813 ng	#	1
56) 4-Nitrophenol	15.47	139	54	5.816 ng	#	1
57) 2,4-Dinitrotoluene	14.80	165	19284	13.201 ng	#	19
62) 4-Nitroaniline	15.66	138	60	4.223 ng	#	10
65) 4,6-Dinitro-2-methylphenol	15.74	198	59	4.223 ng	#	1
67) 4-Bromophenyl-phenylether	16.28	248	19484	4.944 ng	#	1
77) Benzidine	20.14	184	32185	2.542 ng	#	94
84) Bis(2-ethylhexyl)phthalate	21.70	149	50805	3.511 ng		99

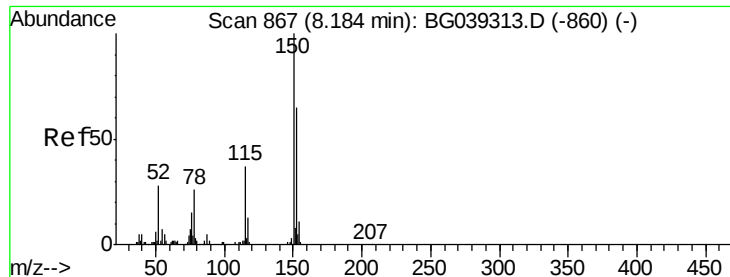
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.18 min Scan# 866

Delta R.T. -0.01 min

Lab File: BG039370.D

Acq: 6 Feb 2019 14:40

Instrument :

BNA_G

ClientSampleId :

CONCRETE

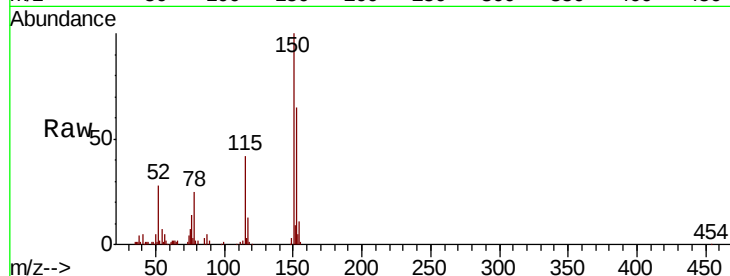
Tgt Ion:152 Resp: 54961

Ion Ratio Lower Upper

152 100

150 152.9 123.7 185.5

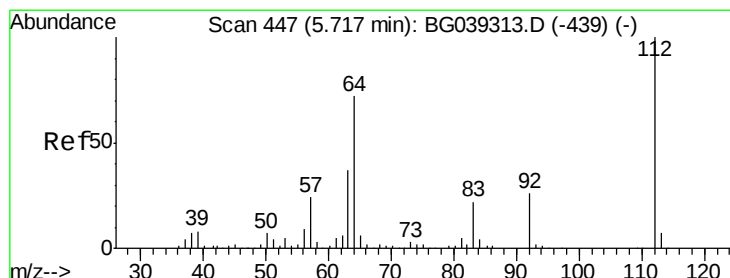
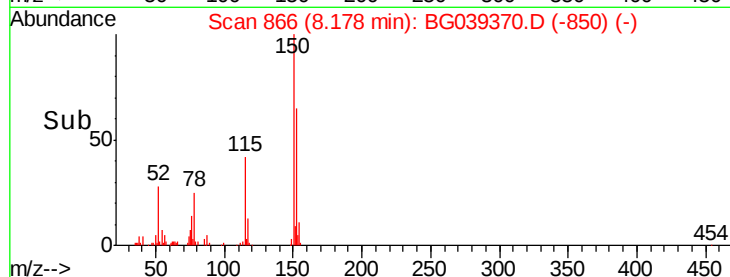
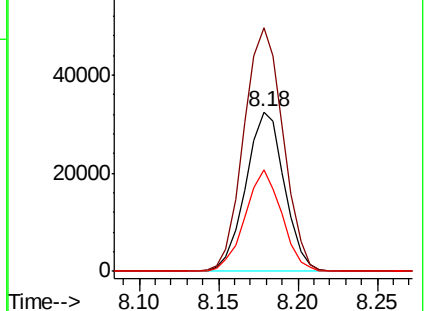
115 63.5 45.9 68.9



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: 148.131 ng

RT: 5.72 min Scan# 447

Delta R.T. -0.00 min

Lab File: BG039370.D

Acq: 6 Feb 2019 14:40

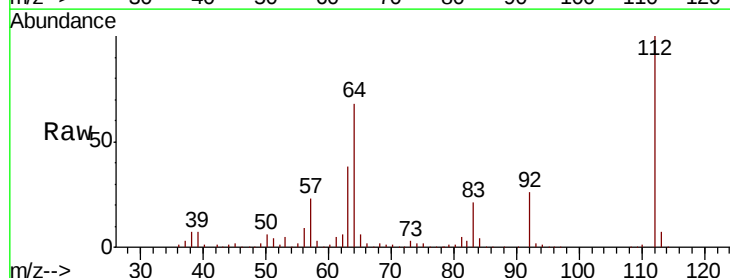
Tgt Ion:112 Resp: 475687

Ion Ratio Lower Upper

112 100

64 68.2 57.8 86.8

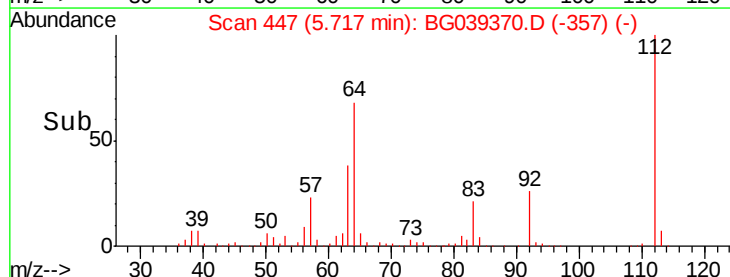
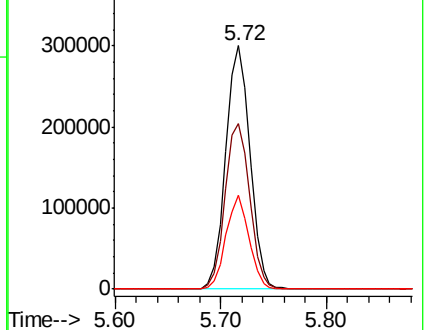
63 38.4 29.8 44.6

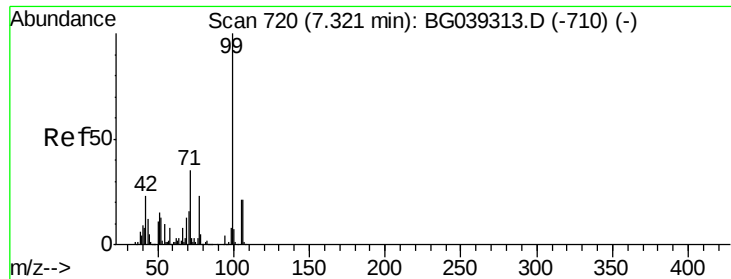


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 156.875 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039370.D

Acq: 6 Feb 2019 14:40

Instrument :

BNA_G

ClientSampled :

CONCRETE

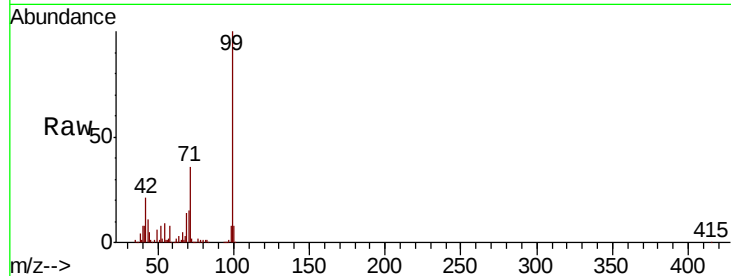
Tgt Ion: 99 Resp: 741532

Ion Ratio Lower Upper

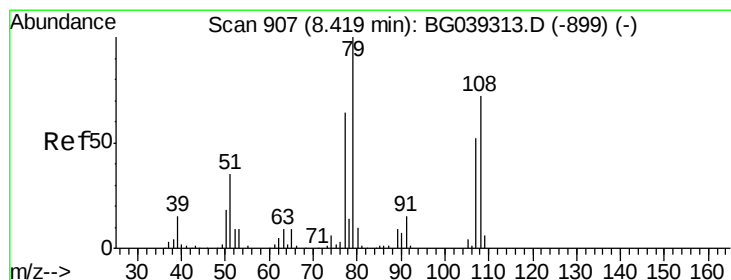
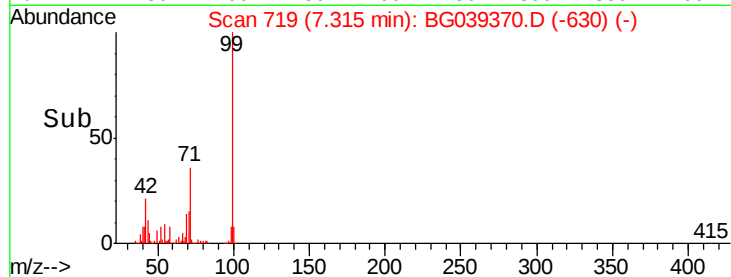
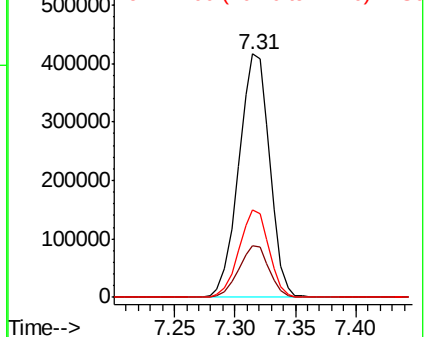
99 100

42 21.1 18.2 27.2

71 35.8 28.0 42.0



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



#15

Benzyl Alcohol

Concen: 2.075 ng

RT: 8.51 min Scan# 922

Delta R.T. 0.09 min

Lab File: BG039370.D

Acq: 6 Feb 2019 14:40

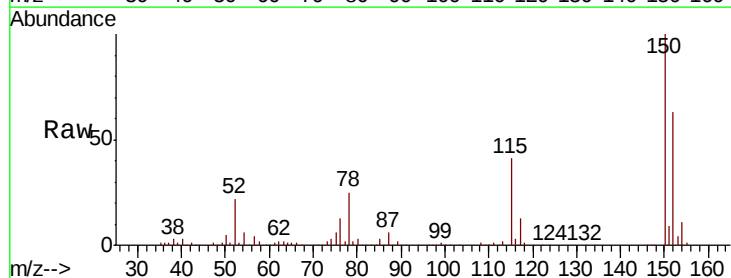
Tgt Ion: 79 Resp: 7702

Ion Ratio Lower Upper

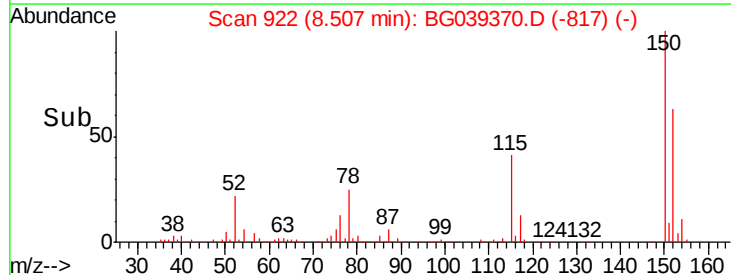
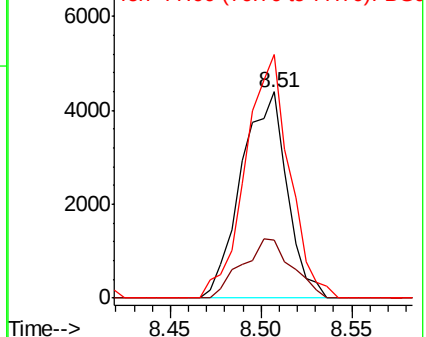
79 100

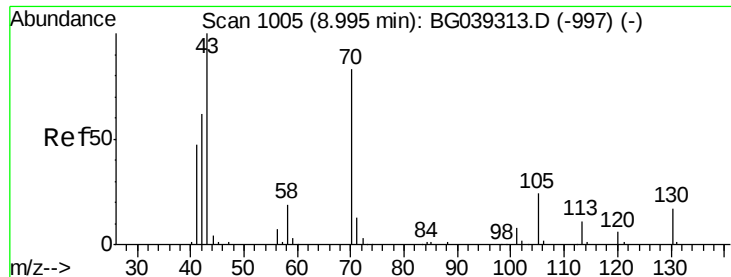
108 28.0 57.8 86.6#

77 118.0 51.1 76.7#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 17.198 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039370.D

Acq: 6 Feb 2019 14:40

Instrument :

BNA_G

ClientSampled :

CONCRETE

Tgt Ion: 70 Resp: 57699

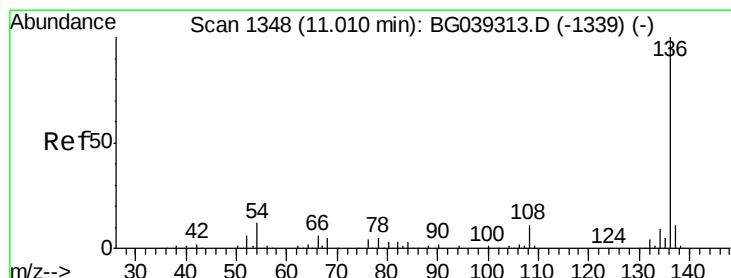
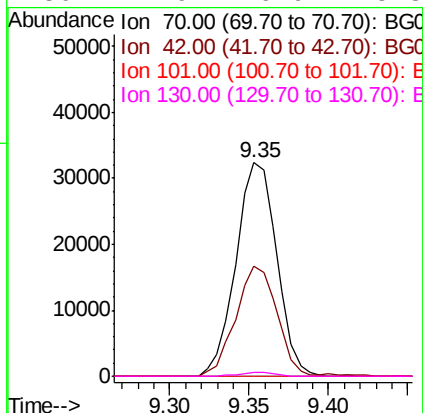
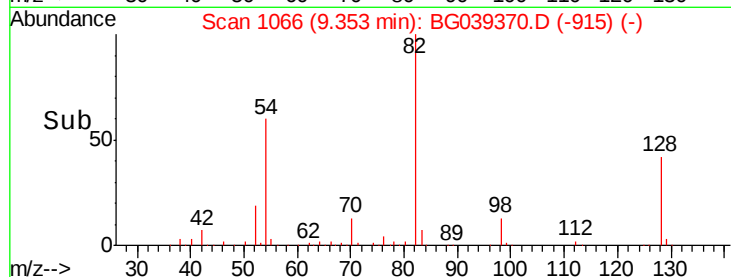
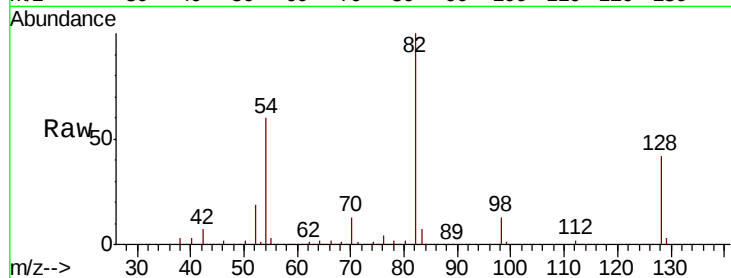
Ion Ratio Lower Upper

70 100

42 51.4 60.4 90.6#

101 0.0 7.5 11.3#

130 1.9 16.9 25.3#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.00 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BG039370.D

Acq: 6 Feb 2019 14:40

Tgt Ion: 136 Resp: 233156

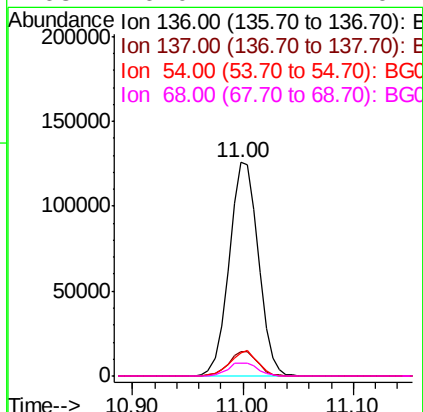
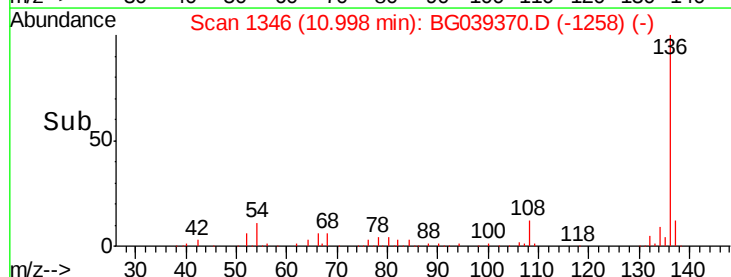
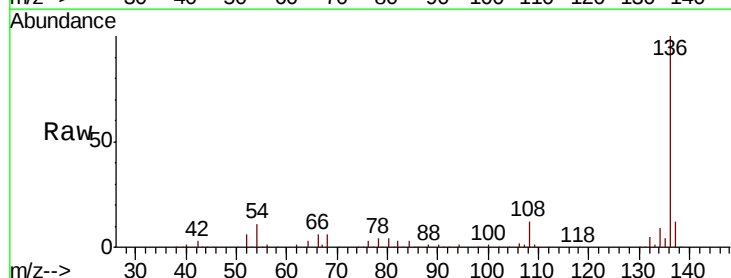
Ion Ratio Lower Upper

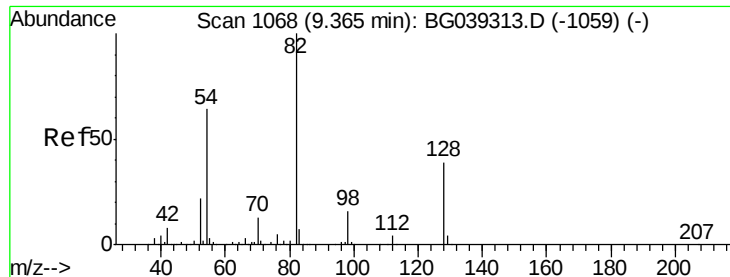
136 100

137 11.6 9.1 13.7

54 10.7 9.4 14.2

68 6.0 4.2 6.4

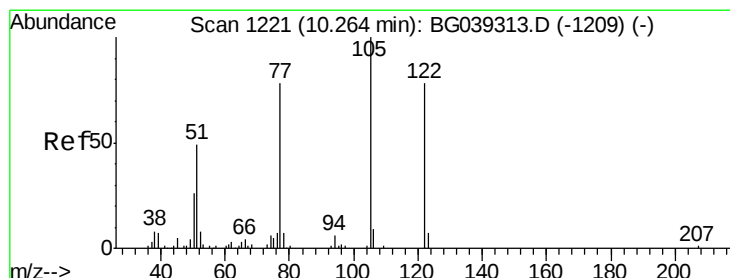
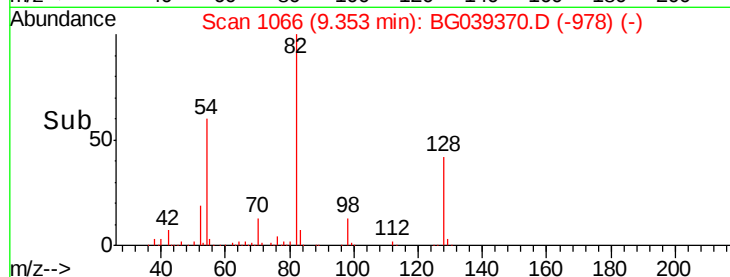
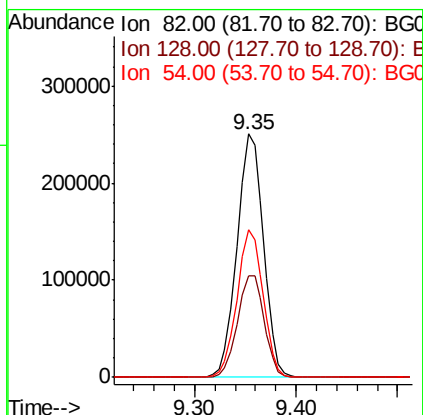
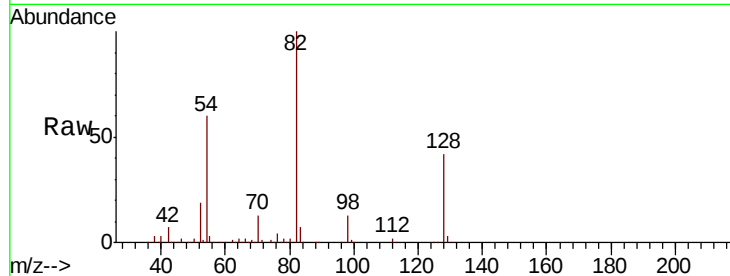




#23
 Nitrobenzene-d5
 Concen: 121.155 ng
 RT: 9.35 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: BG039370.D
 Acq: 6 Feb 2019 14:40

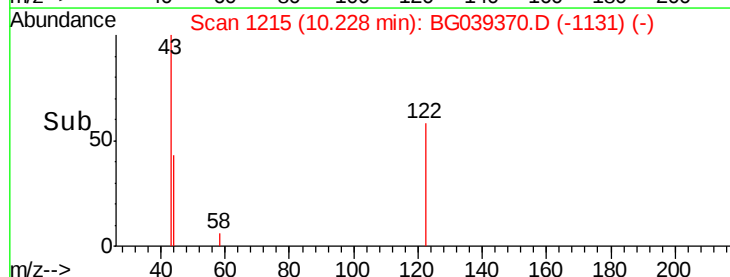
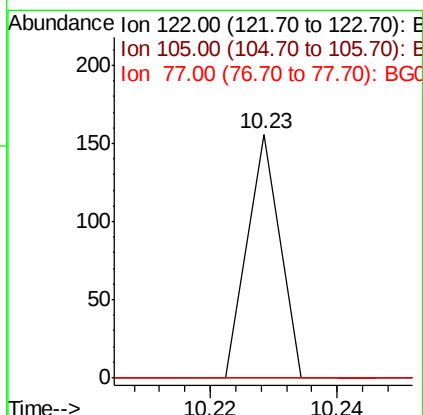
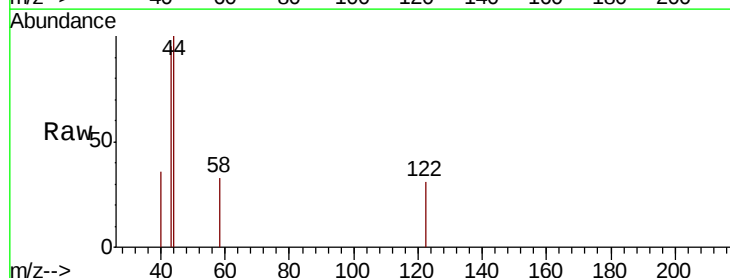
Instrument :
 BNA_G
 ClientSampleId :
 CONCRETE

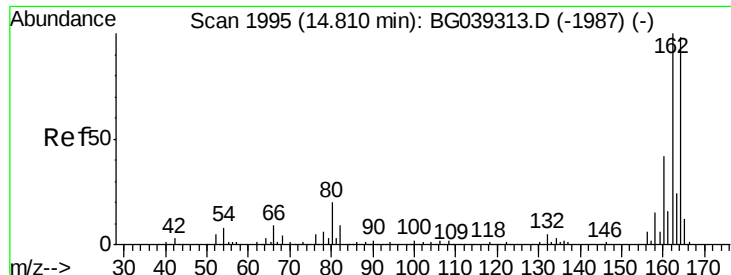
Tgt Ion: 82 Resp: 452174
 Ion Ratio Lower Upper
 82 100
 128 41.7 31.3 46.9
 54 60.4 50.9 76.3



#32
 Benzoic acid
 Concen: 9.041 ng
 RT: 10.23 min Scan# 1215
 Delta R.T. -0.03 min
 Lab File: BG039370.D
 Acq: 6 Feb 2019 14:40

Tgt Ion: 122 Resp: 55
 Ion Ratio Lower Upper
 122 100
 105 0.0 101.8 141.8#
 77 0.0 76.3 116.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039370.D

Acq: 6 Feb 2019 14:40

Instrument :

BNA_G

ClientSampleId :

CONCRETE

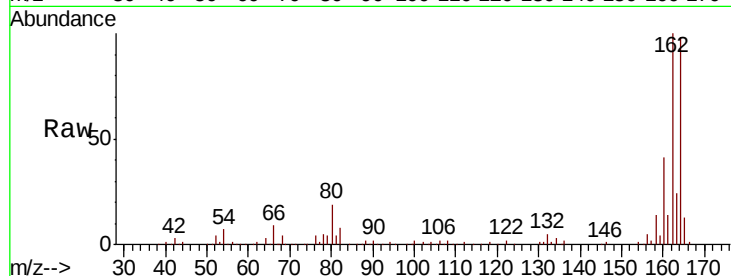
Tgt Ion:164 Resp: 155275

Ion Ratio Lower Upper

164 100

162 101.5 81.6 122.4

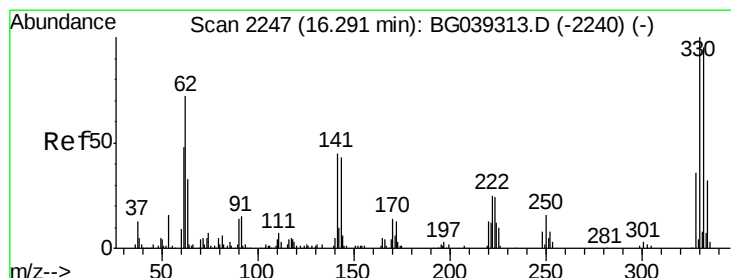
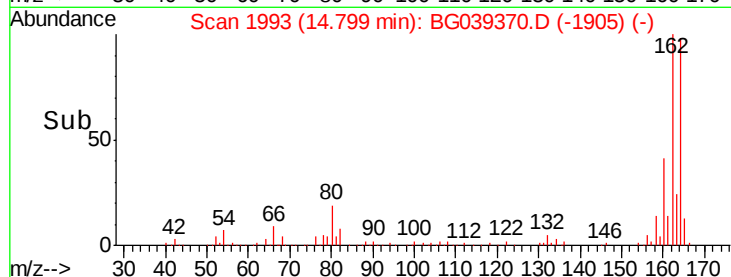
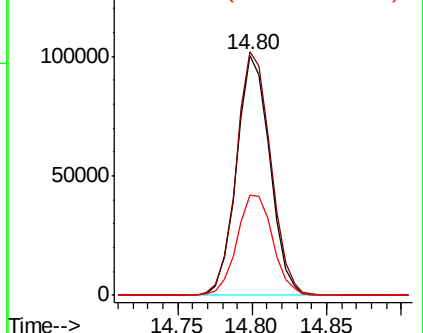
160 42.0 34.2 51.2



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



#42

2,4,6-Tribromophenol

Concen: 150.124 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039370.D

Acq: 6 Feb 2019 14:40

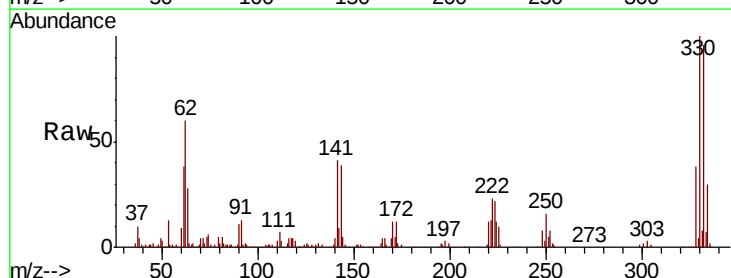
Tgt Ion:330 Resp: 251015

Ion Ratio Lower Upper

330 100

332 95.0 75.7 113.5

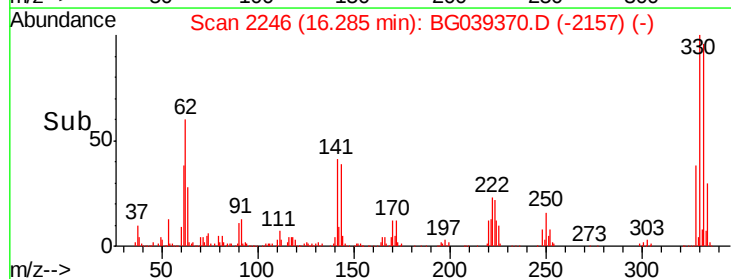
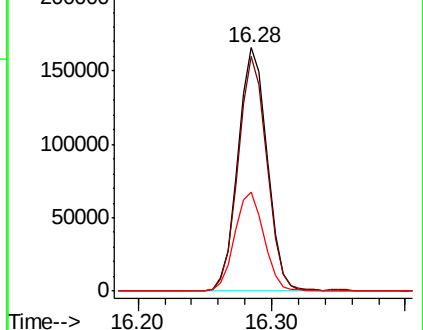
141 41.6 35.6 53.4

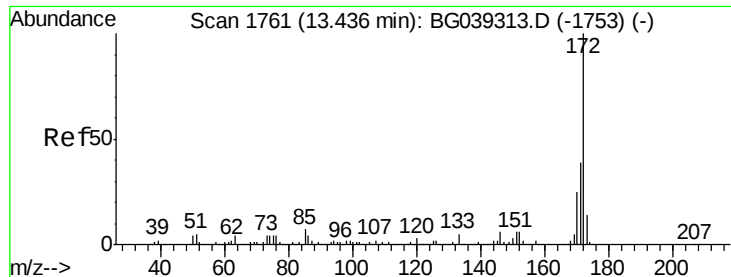


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

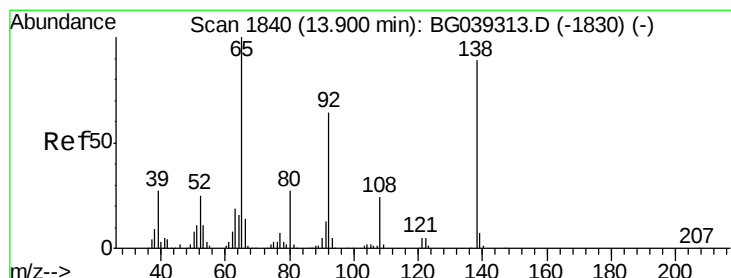
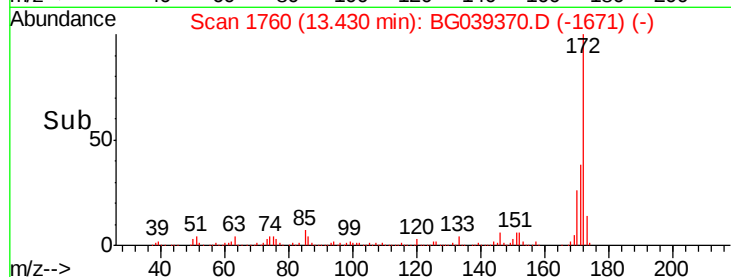
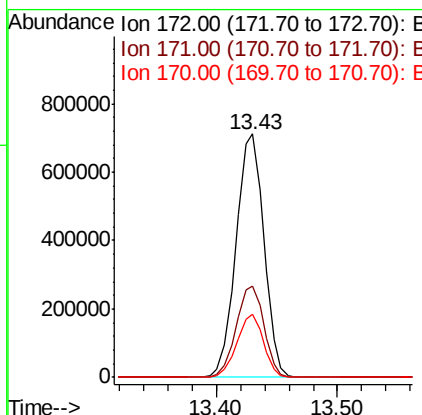
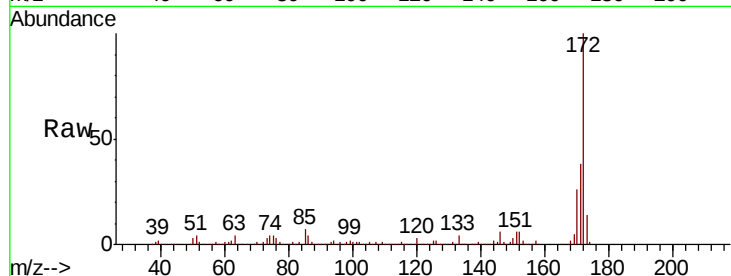




#45
2-Fluorobiphenyl
Concen: 105.697 ng
RT: 13.43 min Scan# 1760
Delta R.T. -0.01 min
Lab File: BG039370.D
Acq: 6 Feb 2019 14:40

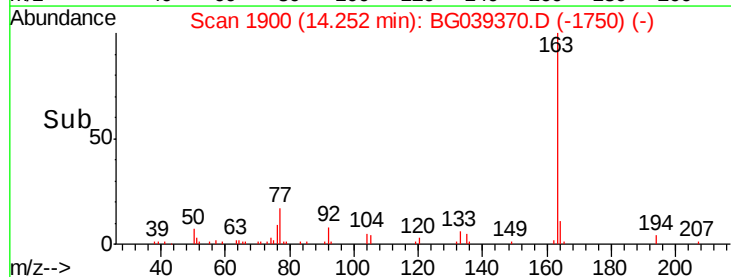
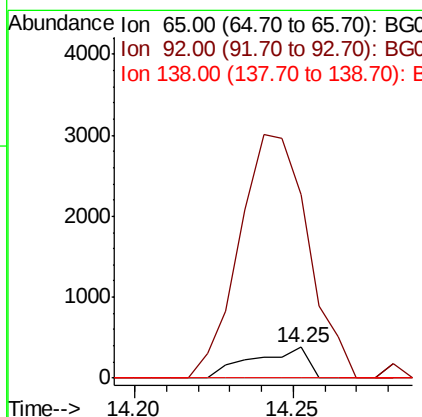
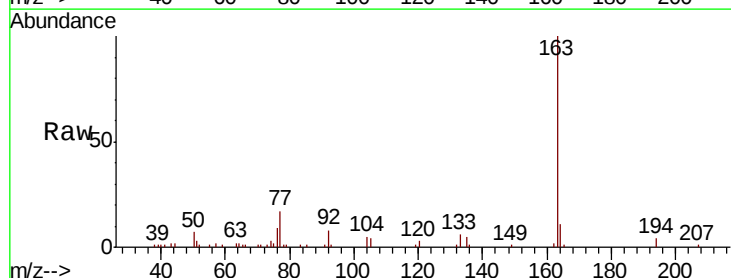
Instrument :
BNA_G
ClientSampleId :
CONCRETE

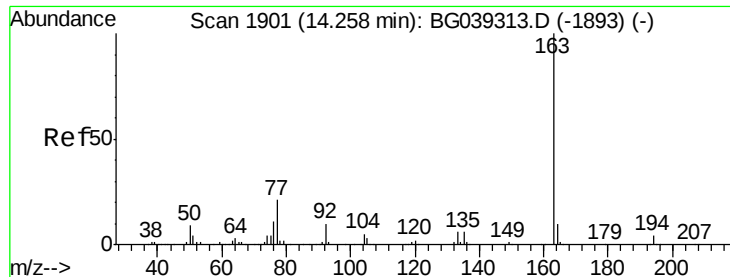
Tgt Ion:172 Resp: 1144054
Ion Ratio Lower Upper
172 100
171 37.7 30.8 46.2
170 25.9 20.2 30.4



#48
2-Nitroaniline
Concen: 8.430 ng
RT: 14.25 min Scan# 1900
Delta R.T. 0.35 min
Lab File: BG039370.D
Acq: 6 Feb 2019 14:40

Tgt Ion: 65 Resp: 452
Ion Ratio Lower Upper
65 100
92 595.0 51.4 77.2#
138 0.0 71.4 107.2#





#50

Dimethylphthalate

Concen: 4.428 ng

RT: 14.25 min Scan# 1899

Delta R.T. -0.01 min

Lab File: BG039370.D

Acq: 6 Feb 2019 14:40

Instrument :

BNA_G

ClientSampleId :

CONCRETE

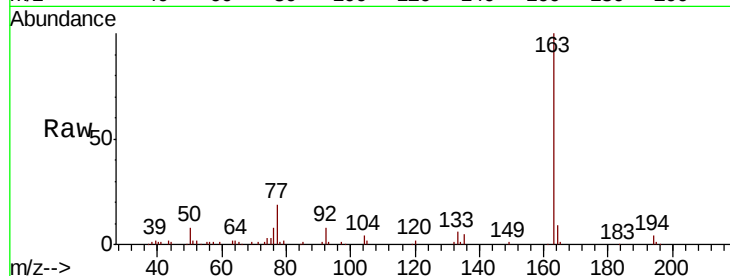
Tgt Ion:163 Resp: 55527

Ion Ratio Lower Upper

163 100

194 3.8 3.6 5.4

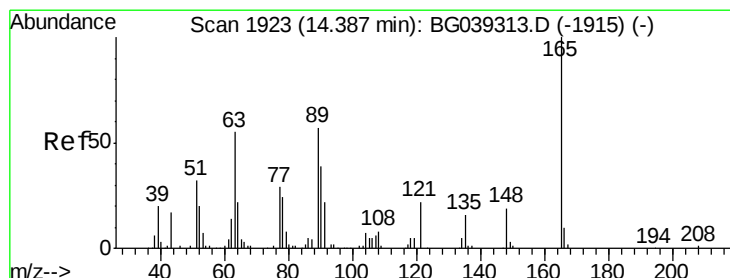
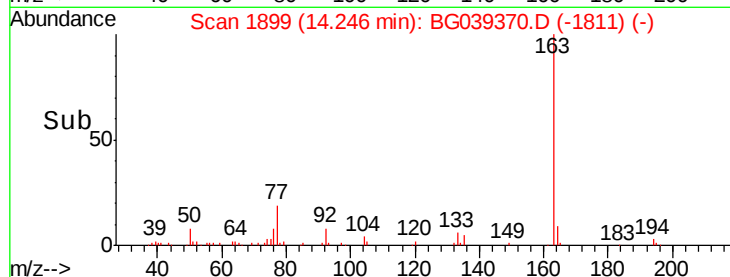
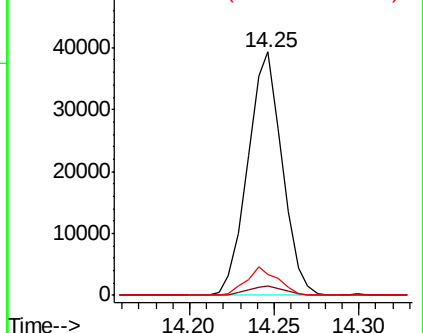
164 8.7 8.4 12.6



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



#51

2,6-Dinitrotoluene

Concen: 13.662 ng

RT: 14.80 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039370.D

Acq: 6 Feb 2019 14:40

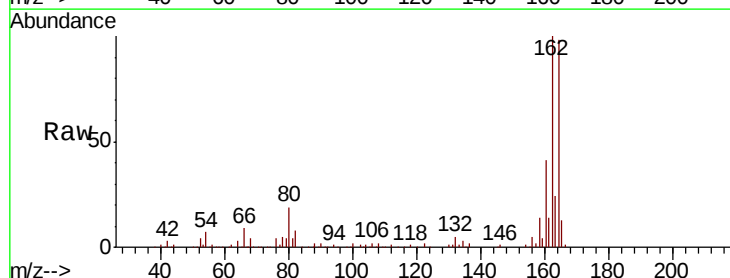
Tgt Ion:165 Resp: 19284

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

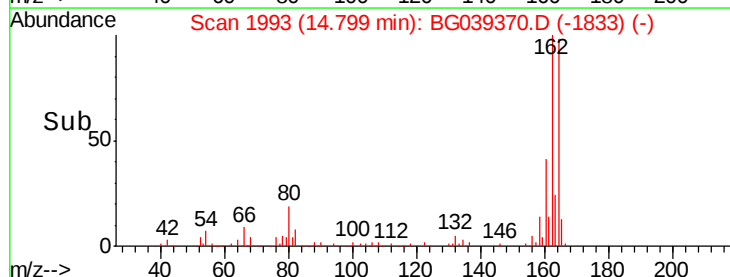
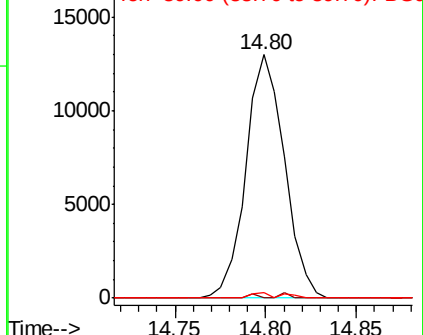
89 2.0 45.8 68.8#

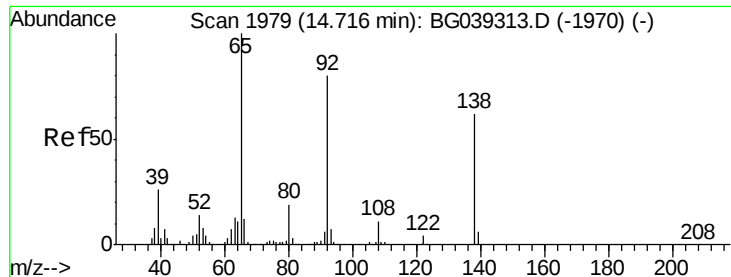


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#53

3-Nitroaniline

Concen: 5.813 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.02 min

Lab File: BG039370.D

Acq: 6 Feb 2019 14:40

Instrument :

BNA_G

ClientSampleId :

CONCRETE

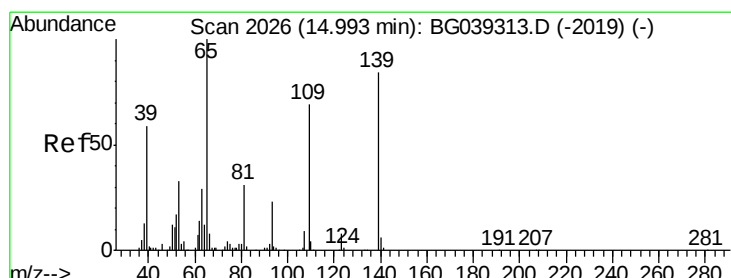
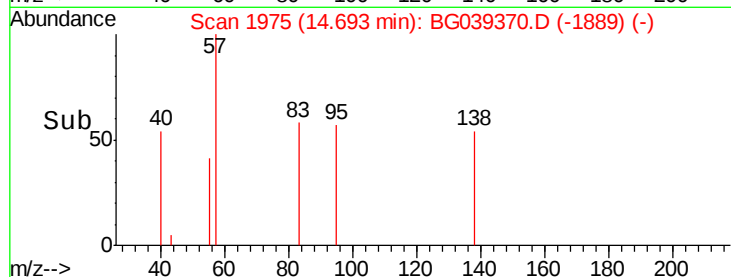
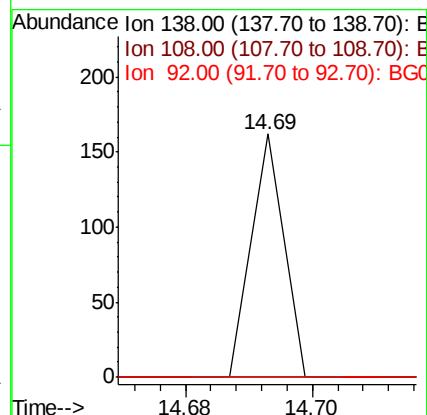
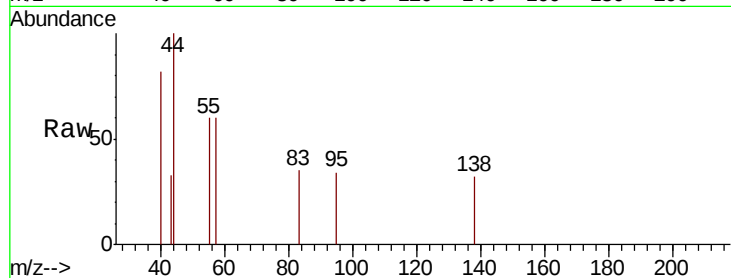
Tgt Ion:138 Resp: 57

Ion Ratio Lower Upper

138 100

108 0.0 13.8 20.8#

92 0.0 103.7 155.5#



#56

4-Nitrophenol

Concen: 5.816 ng

RT: 15.47 min Scan# 2108

Delta R.T. 0.48 min

Lab File: BG039370.D

Acq: 6 Feb 2019 14:40

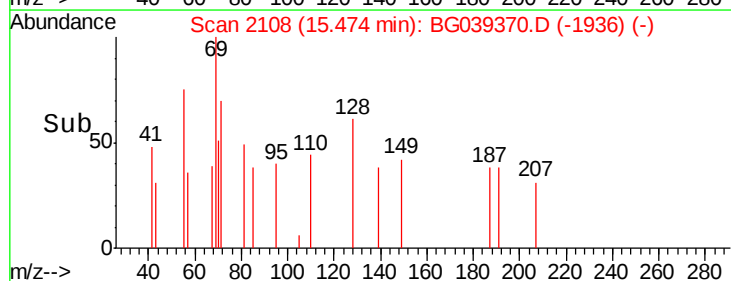
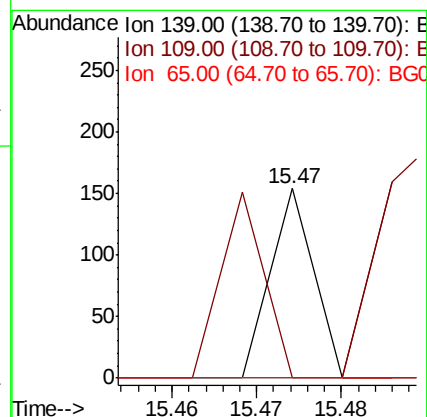
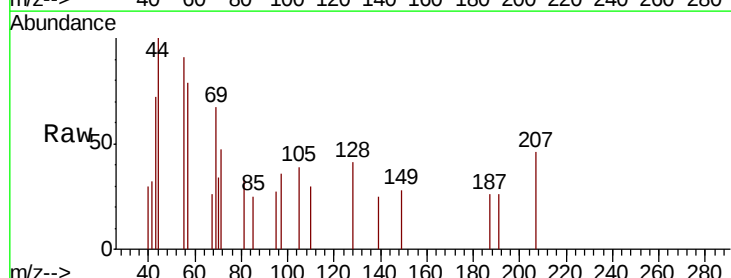
Tgt Ion:139 Resp: 54

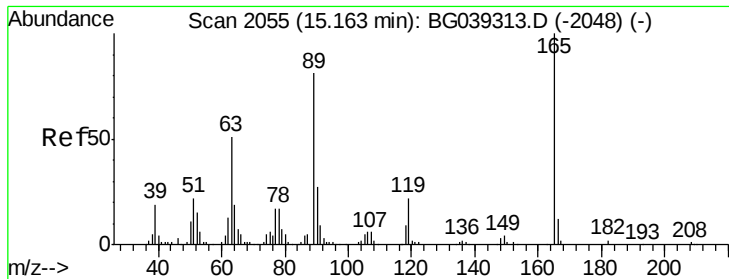
Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

65 0.0 99.1 139.1#





#57

2,4-Dinitrotoluene

Concen: 13.201 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.36 min

Lab File: BG039370.D

Acq: 6 Feb 2019 14:40

Instrument :

BNA_G

ClientSampleId :

CONCRETE

Tgt Ion:165 Resp: 19284

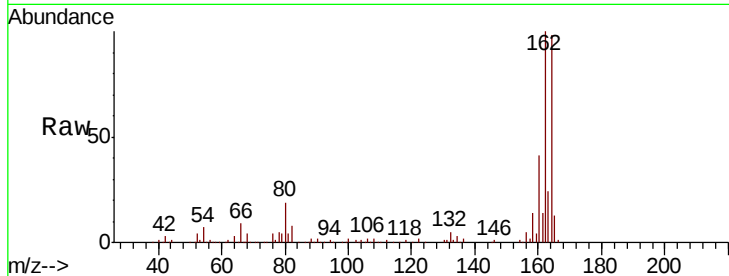
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 2.0 64.6 96.8#

182 0.0 2.0 3.0#

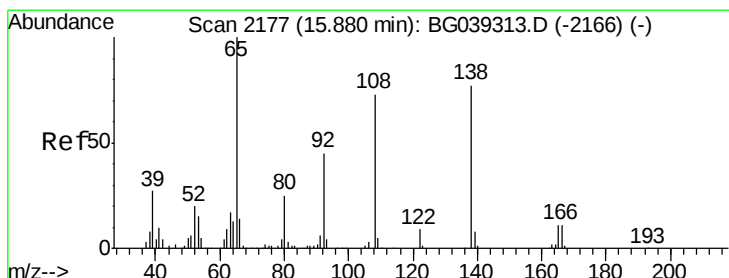
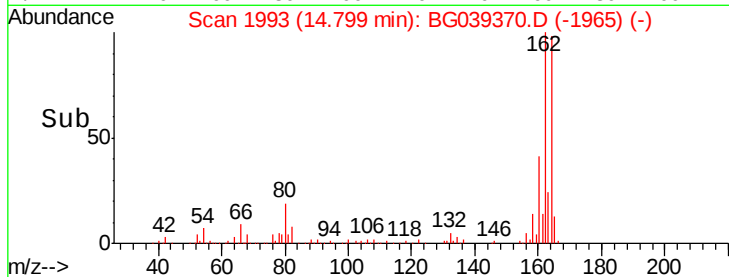
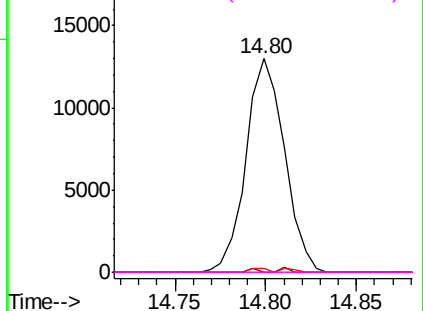


Abundance Ion 165.00 (164.70 to 165.70): E

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



#62

4-Nitroaniline

Concen: 4.223 ng

RT: 15.66 min Scan# 2139

Delta R.T. -0.22 min

Lab File: BG039370.D

Acq: 6 Feb 2019 14:40

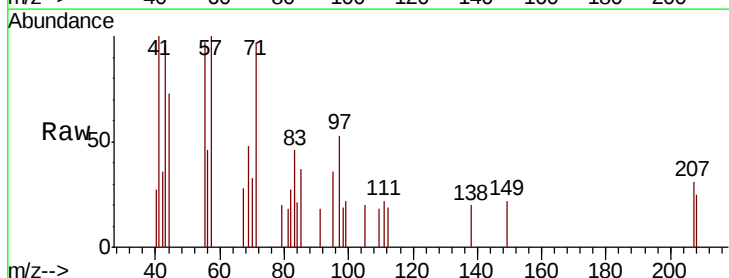
Tgt Ion:138 Resp: 60

Ion Ratio Lower Upper

138 100

92 0.0 38.7 78.7#

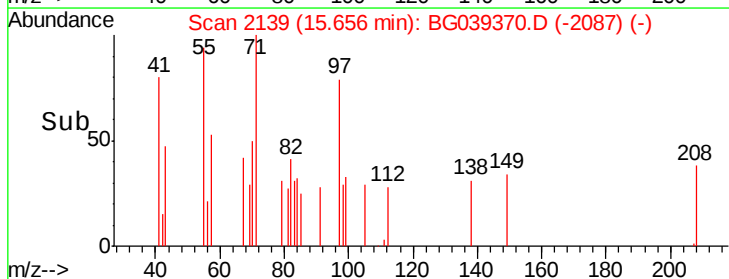
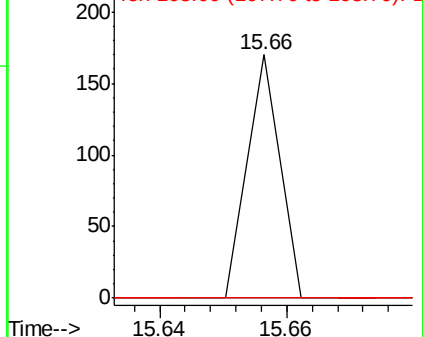
108 0.0 74.6 114.6#

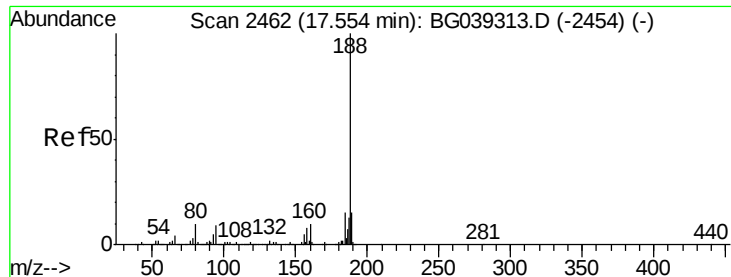


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039370.D

Acq: 6 Feb 2019 14:40

Instrument :

BNA_G

ClientSampleId :

CONCRETE

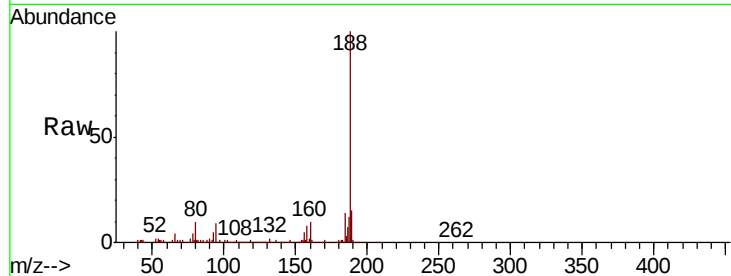
Tgt Ion:188 Resp: 355269

Ion Ratio Lower Upper

188 100

94 8.7 6.9 10.3

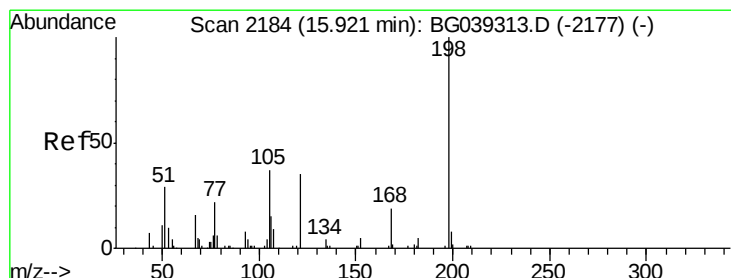
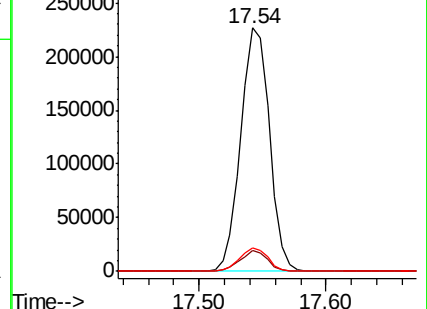
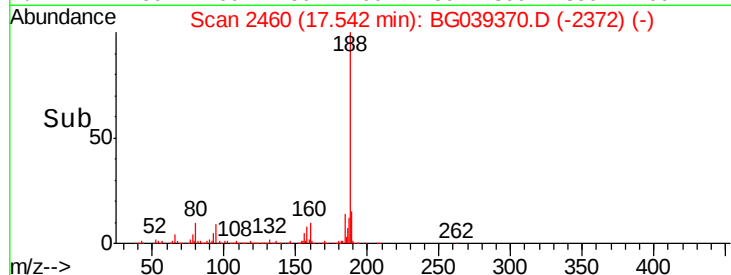
80 9.6 8.1 12.1



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.223 ng

RT: 15.74 min Scan# 2154

Delta R.T. -0.18 min

Lab File: BG039370.D

Acq: 6 Feb 2019 14:40

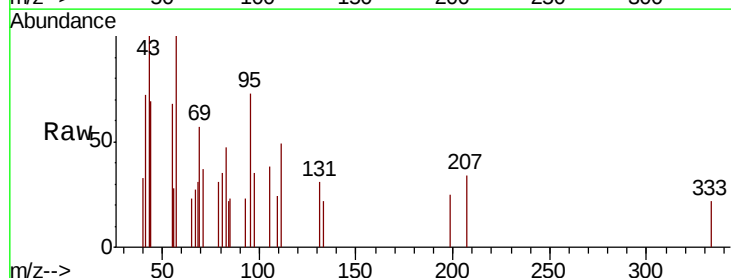
Tgt Ion:198 Resp: 59

Ion Ratio Lower Upper

198 100

51 0.0 27.4 67.4#

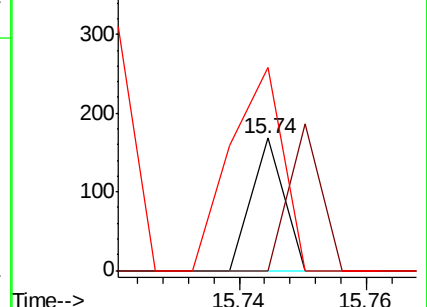
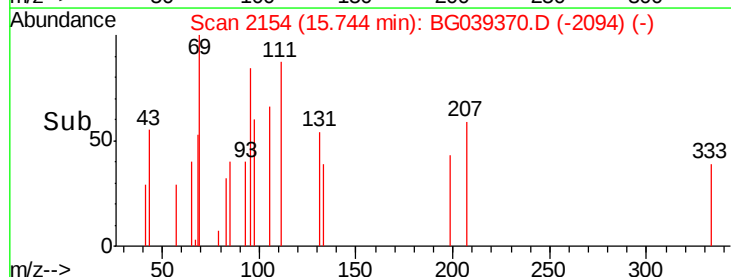
105 153.6 19.7 59.7#

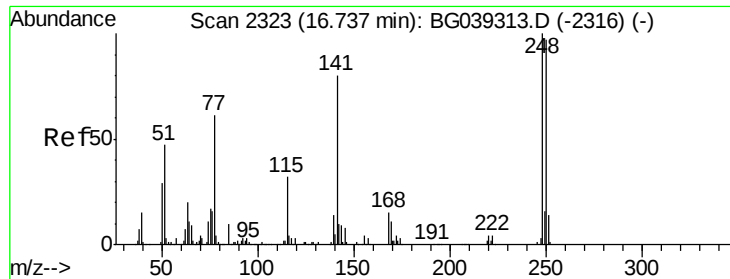


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

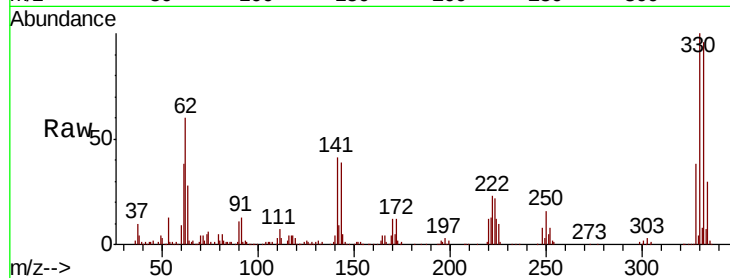




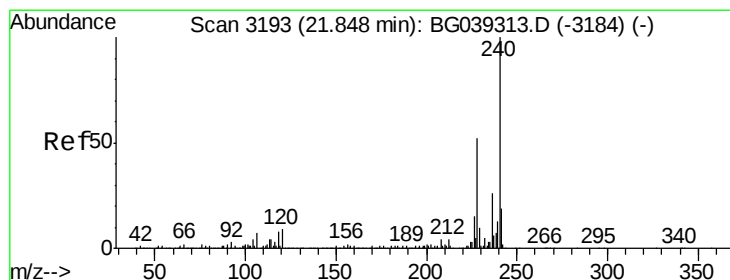
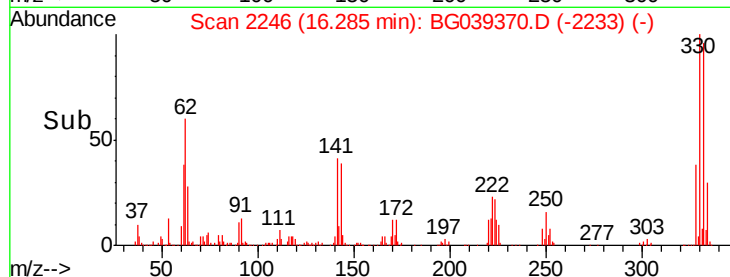
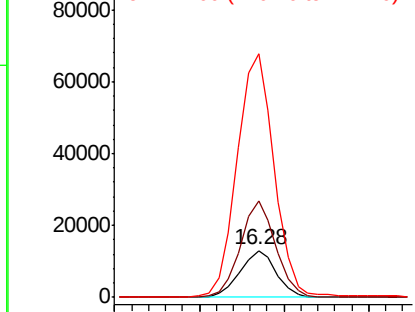
#67
4-Bromophenyl-phenylether
Concen: 4.944 ng
RT: 16.28 min Scan# 2246
Delta R.T. -0.45 min
Lab File: BG039370.D
Acq: 6 Feb 2019 14:40

Instrument :
BNA_G
ClientSampleId :
CONCRETE

Tgt Ion:248 Resp: 19484
Ion Ratio Lower Upper
248 100
250 205.3 77.6 116.4#
141 517.6 63.9 95.9#

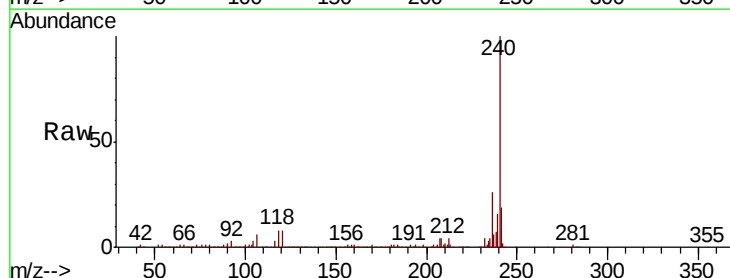


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

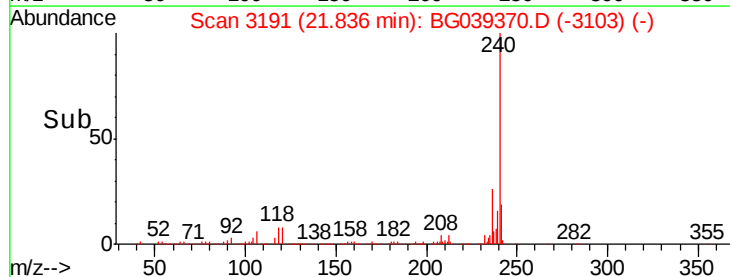
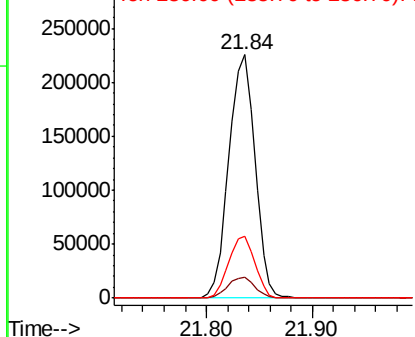


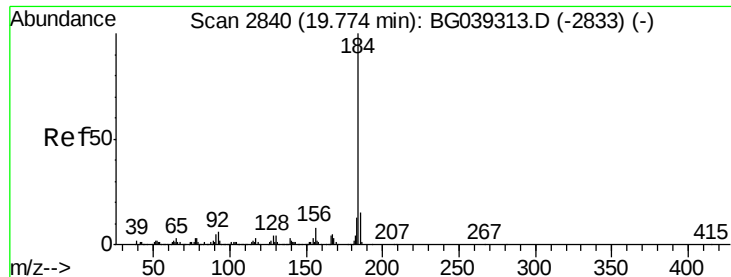
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.84 min Scan# 3191
Delta R.T. -0.01 min
Lab File: BG039370.D
Acq: 6 Feb 2019 14:40

Tgt Ion:240 Resp: 386224
Ion Ratio Lower Upper
240 100
120 8.4 7.0 10.6
236 25.6 21.0 31.4



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: 2.542 ng

RT: 20.14 min Scan# 2902

Delta R.T. 0.36 min

Lab File: BG039370.D

Acq: 6 Feb 2019 14:40

Instrument :

BNA_G

ClientSampleId :

CONCRETE

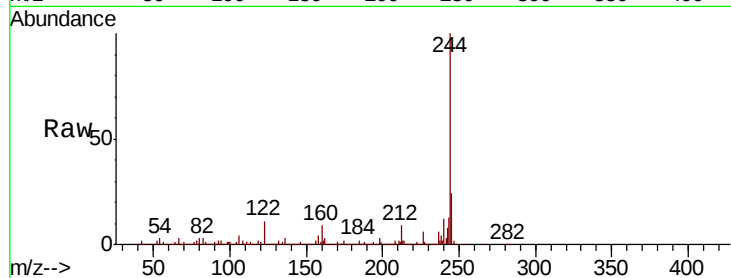
Tgt Ion:184 Resp: 32185

Ion Ratio Lower Upper

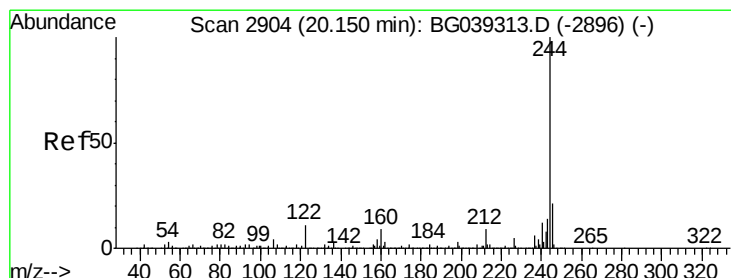
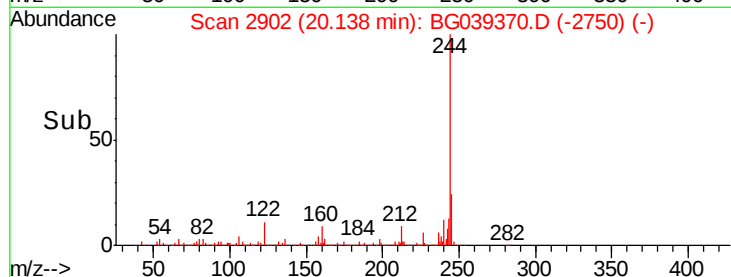
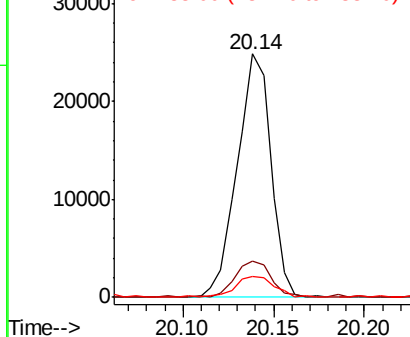
184 100

185 14.8 12.2 18.2

183 8.3 10.6 15.8#



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: 90.307 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039370.D

Acq: 6 Feb 2019 14:40

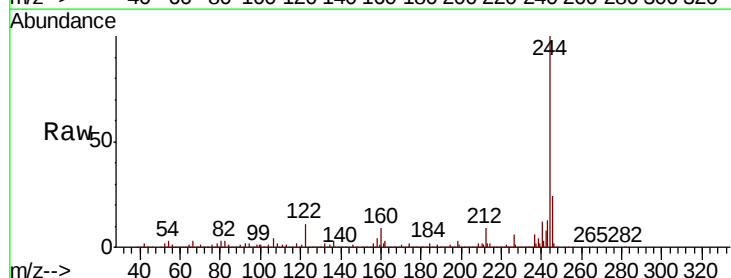
Tgt Ion:244 Resp: 1647800

Ion Ratio Lower Upper

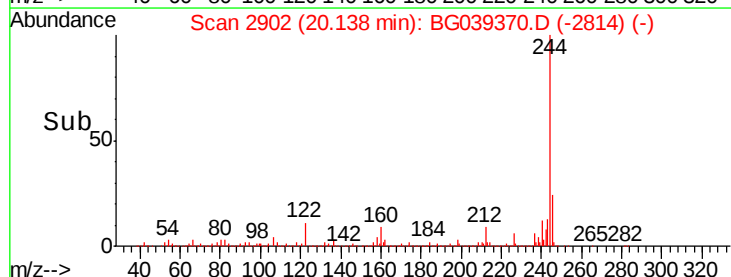
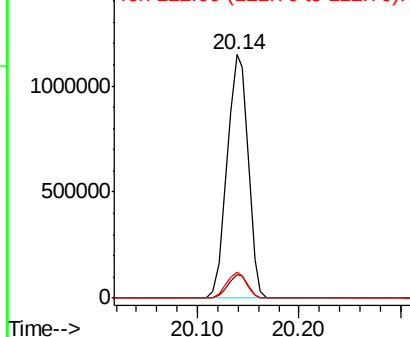
244 100

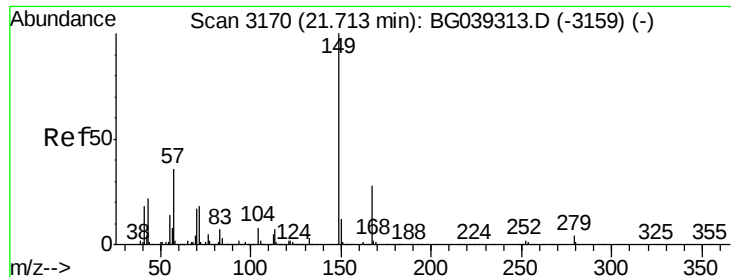
212 9.4 7.3 10.9

122 10.8 8.4 12.6



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.511 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.02 min

Lab File: BG039370.D

Acq: 6 Feb 2019 14:40

Instrument :

BNA_G

ClientSampleId :

CONCRETE

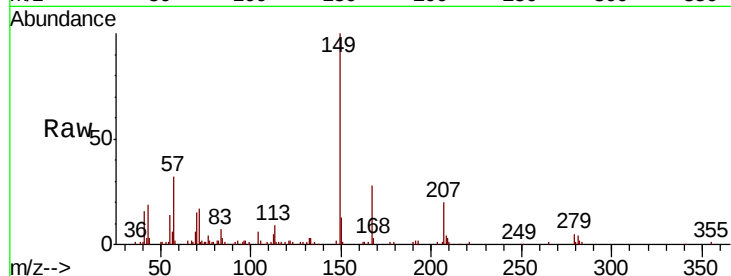
Tgt Ion:149 Resp: 50805

Ion Ratio Lower Upper

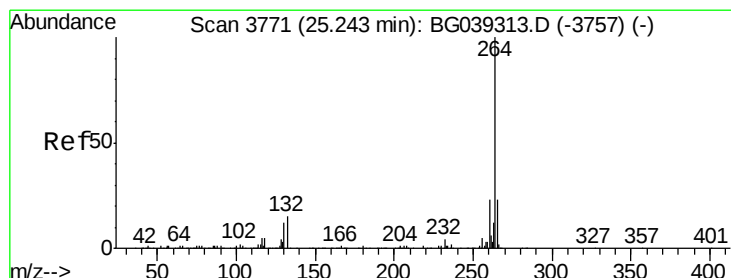
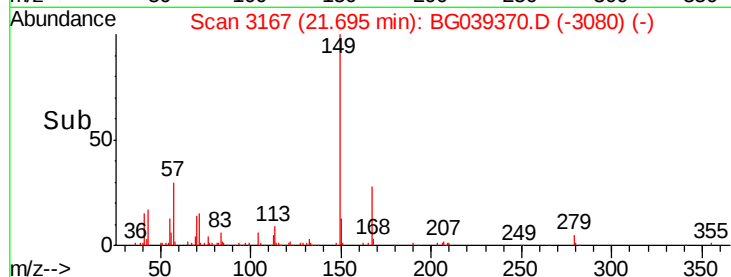
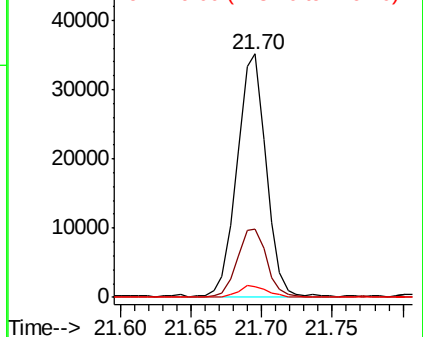
149 100

167 27.9 22.6 34.0

279 4.6 3.5 5.3



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.22 min Scan# 3767

Delta R.T. -0.02 min

Lab File: BG039370.D

Acq: 6 Feb 2019 14:40

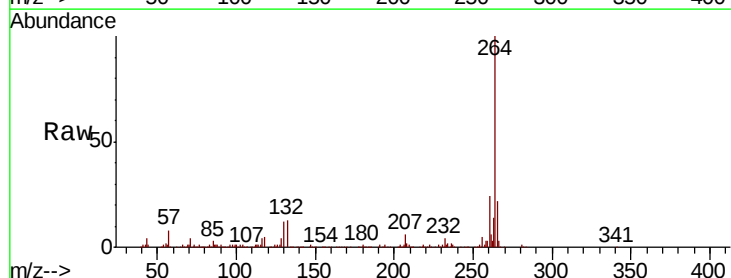
Tgt Ion:264 Resp: 401667

Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.4

265 22.2 18.5 27.7



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

