

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060819\
 Data File : BG041140.D
 Acq On : 8 Jun 2019 19:19
 Operator : HP/JU
 Sample : K3204-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 09 23:02:14 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

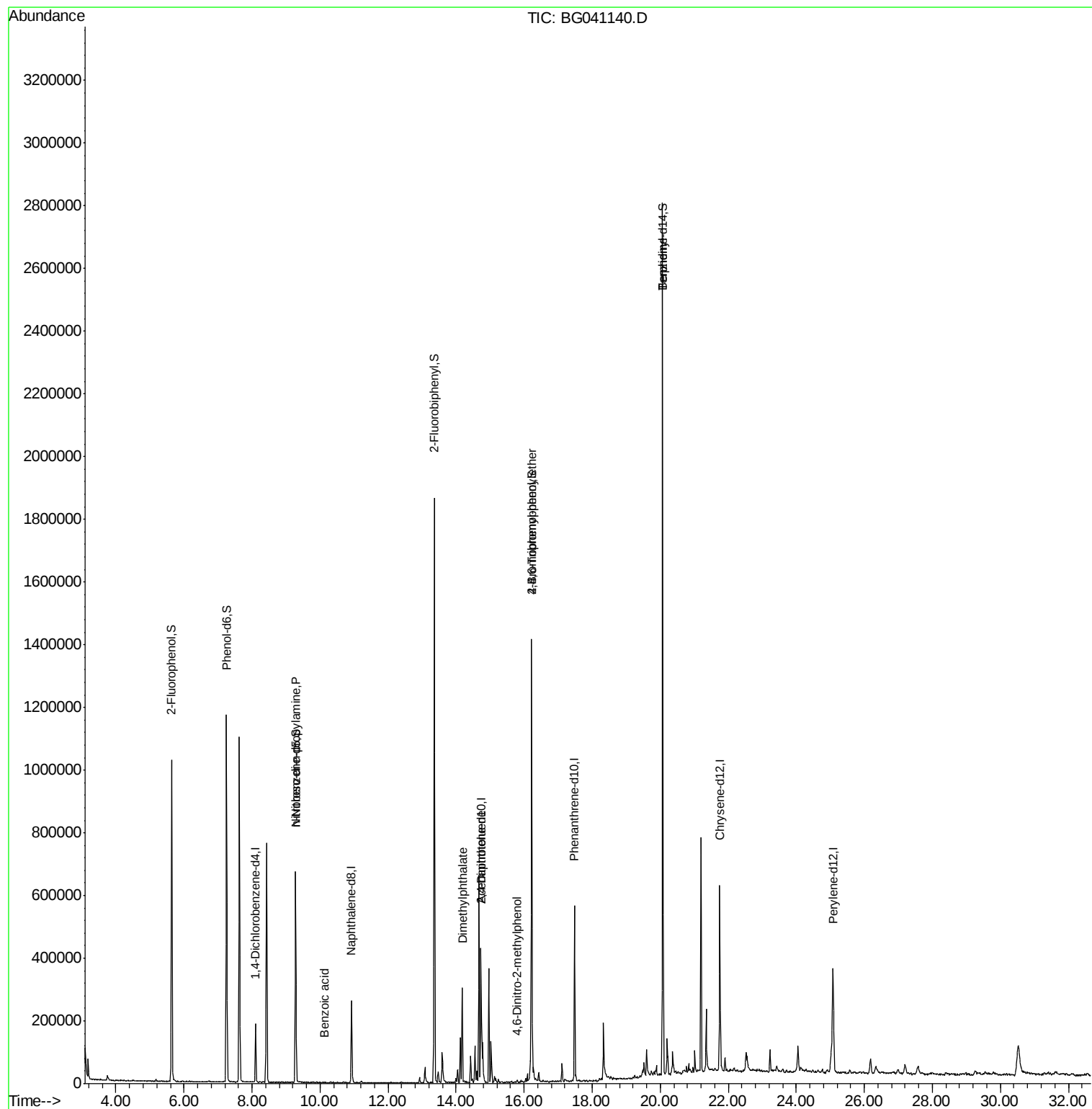
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	50623	20.00	ng	-0.03
21) Naphthalene-d8	10.92	136	213048	20.00	ng	-0.03
39) Acenaphthene-d10	14.73	164	146255	20.00	ng	-0.03
64) Phenanthrene-d10	17.48	188	354990	20.00	ng	-0.03
76) Chrysene-d12	21.75	240	354028	20.00	ng	-0.03
87) Perylene-d12	25.08	264	381578	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	403617	143.77	ng	-0.02
7) Phenol-d6	7.25	99	604731	139.48	ng	-0.02
23) Nitrobenzene-d5	9.29	82	411517	85.75	ng	-0.02
42) 2,4,6-Tribromophenol	16.22	330	282641	130.17	ng	-0.02
45) 2-Fluorobiphenyl	13.36	172	936793	92.24	ng	-0.03
79) Terphenyl-d14	20.08	244	1373529	82.34	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	60219	18.048	ng	# 73
32) Benzoic acid	10.14	122	57	8.148	ng	# 1
50) Dimethylphthalate	14.18	163	195004	15.751	ng	98
57) 2,4-Dinitrotoluene	14.73	165	19880	5.272	ng	# 23
65) 4,6-Dinitro-2-methylphenol	15.79	198	53	8.612	ng	# 1
67) 4-Bromophenyl-phenylether	16.22	248	21357	4.458	ng	# 1
77) Benzidine	20.08	184	22847	2.705	ng	# 89

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.10 min Scan# 854

Delta R.T. -0.03 min

Lab File: BG041140.D

Acq: 8 Jun 2019 19:19

Instrument :

BNA_G

ClientSampleId :

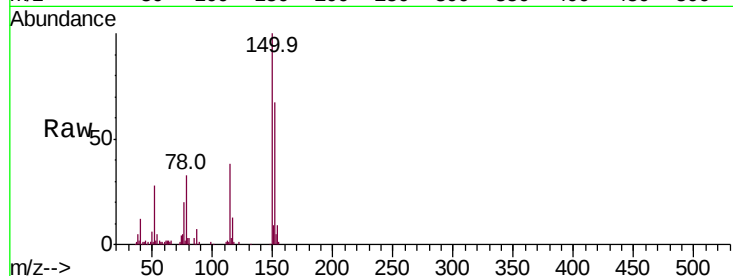
Tot Ion:152 Resp: 50623

Ion Ratio Lower Upper

152 100

150 149.8 120.6 180.8

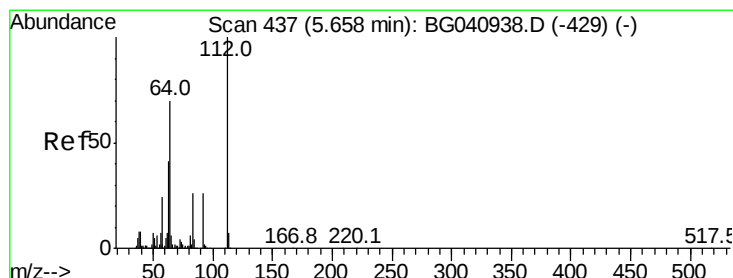
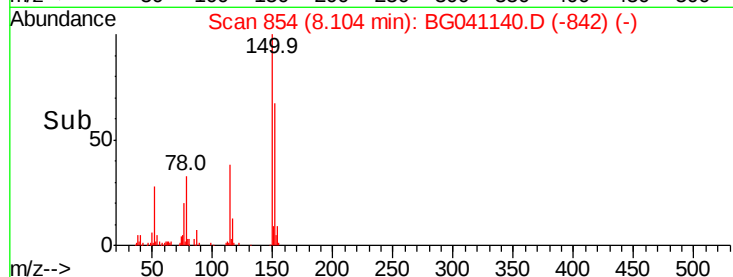
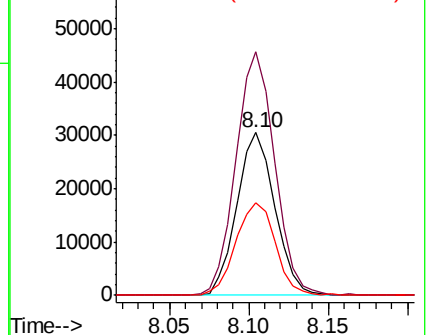
115 57.0 45.1 67.7



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: 143.770 ng

RT: 5.64 min Scan# 435

Delta R.T. -0.02 min

Lab File: BG041140.D

Acq: 8 Jun 2019 19:19

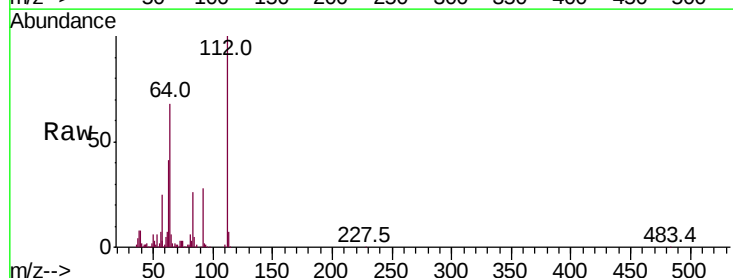
Tgt Ion:112 Resp: 403617

Ion Ratio Lower Upper

112 100

64 68.4 56.2 84.2

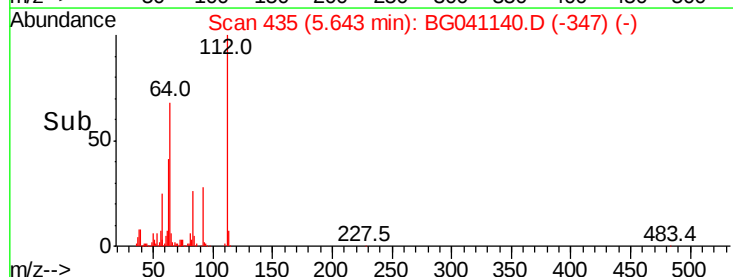
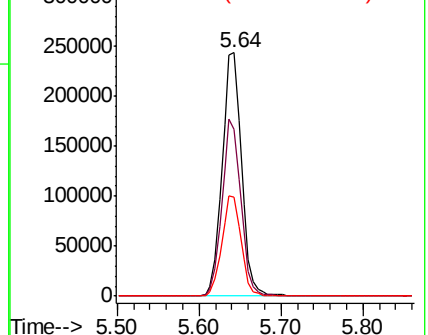
63 40.8 32.8 49.2

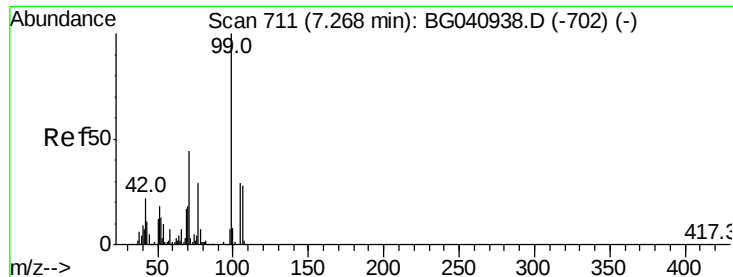


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 139.477 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.02 min

Lab File: BG041140.D

Acq: 8 Jun 2019 19:19

Instrument :

BNA_G

ClientSampleId :

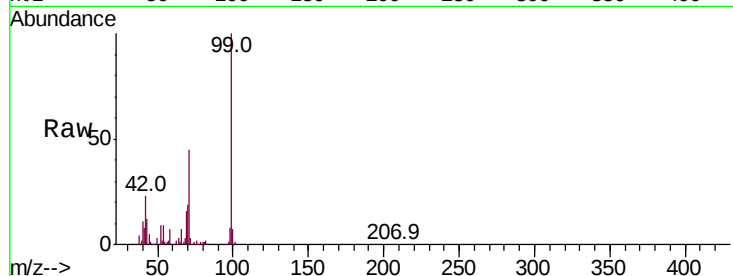
Tot Ion: 99 Resp: 604731

Ion Ratio Lower Upper

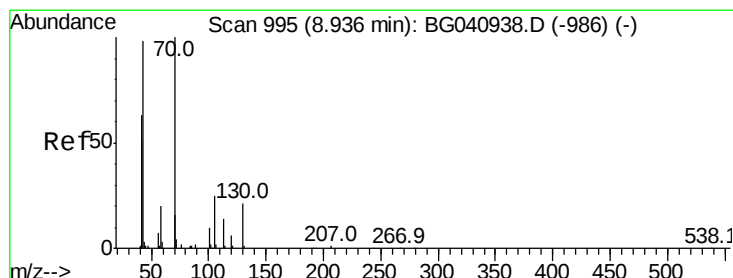
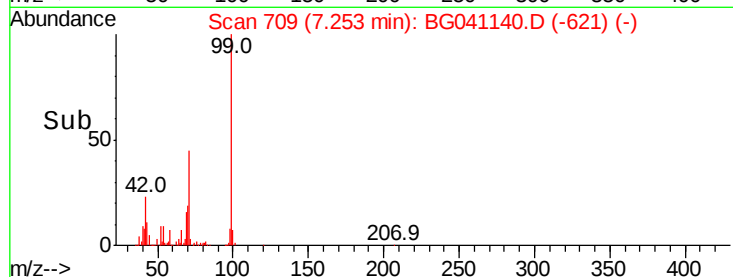
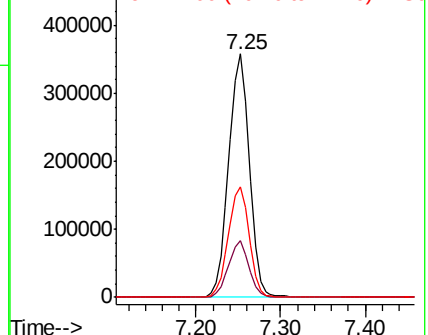
99 100

42 23.1 17.9 26.9

71 45.4 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: 18.048 ng

RT: 9.29 min Scan# 1055

Delta R.T. 0.35 min

Lab File: BG041140.D

Acq: 8 Jun 2019 19:19

Tgt Ion: 70 Resp: 60219

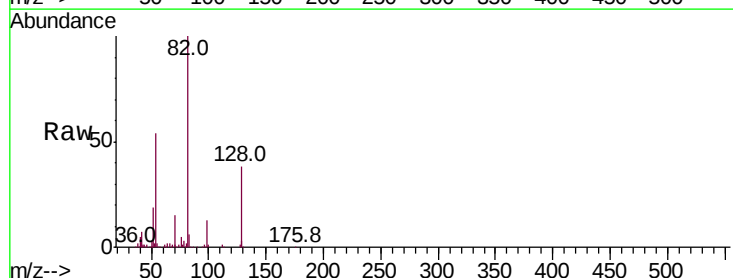
Ion Ratio Lower Upper

70 100

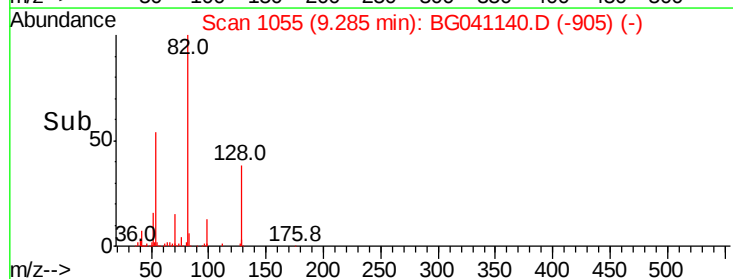
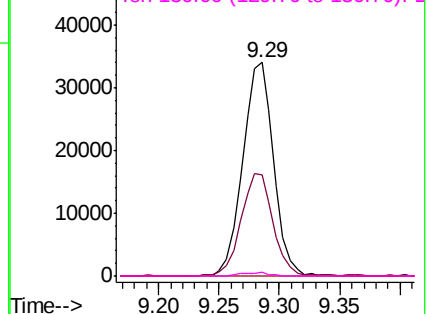
42 47.1 51.5 77.3#

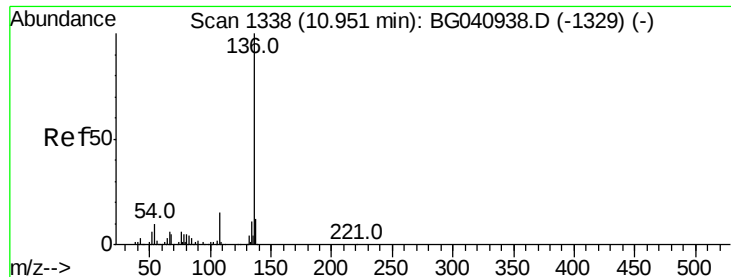
101 0.0 8.1 12.1#

130 2.0 16.6 24.8#



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: 10.92 min Scan# 1334

Delta R.T. -0.03 min

Lab File: BG041140.D

Acq: 8 Jun 2019 19:19

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 213048

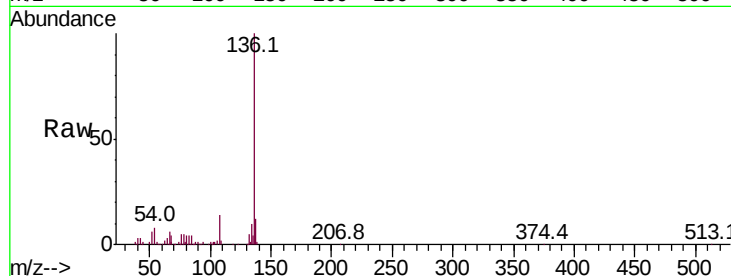
Ion Ratio Lower Upper

136 100

137 11.5 9.5 14.3

54 8.2 7.6 11.4

68 4.3 3.9 5.9

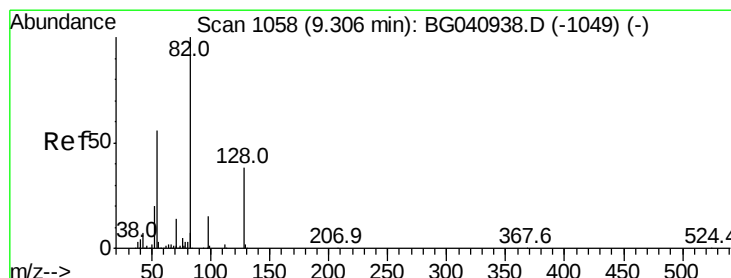
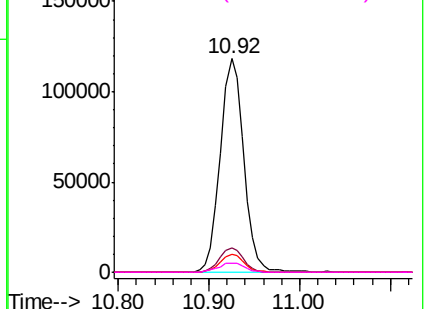
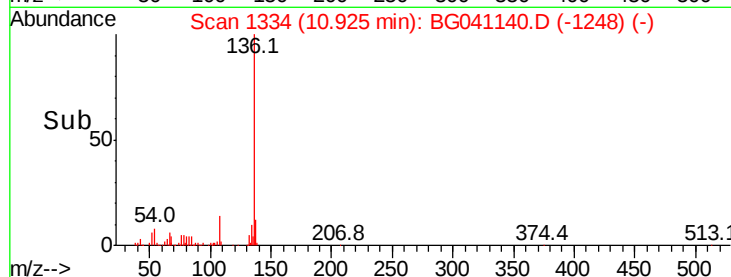


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.749 ng

RT: 9.29 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BG041140.D

Acq: 8 Jun 2019 19:19

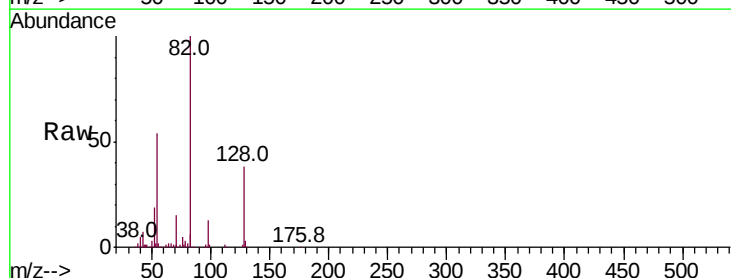
Tgt Ion: 82 Resp: 411517

Ion Ratio Lower Upper

82 100

128 37.9 30.5 45.7

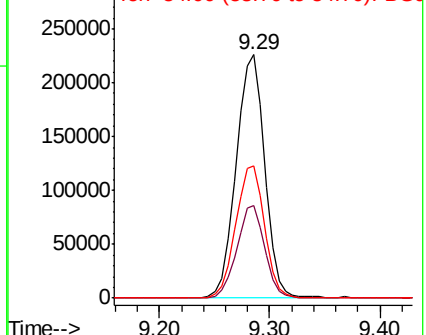
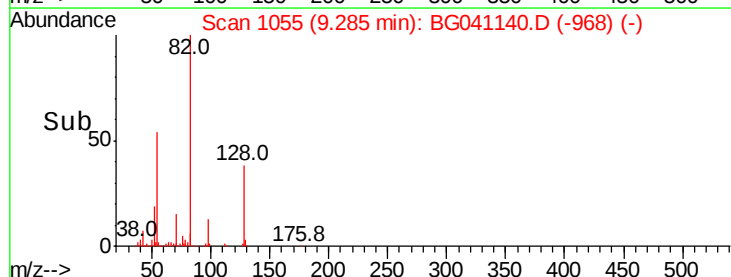
54 54.4 44.6 66.8

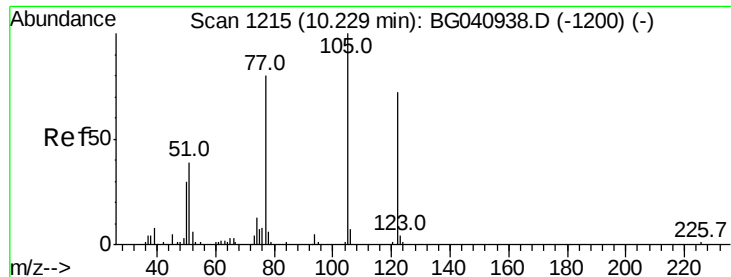


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

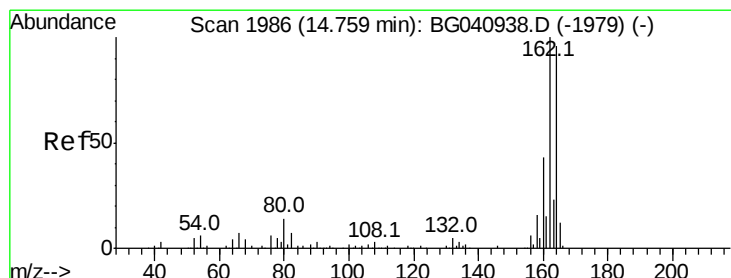
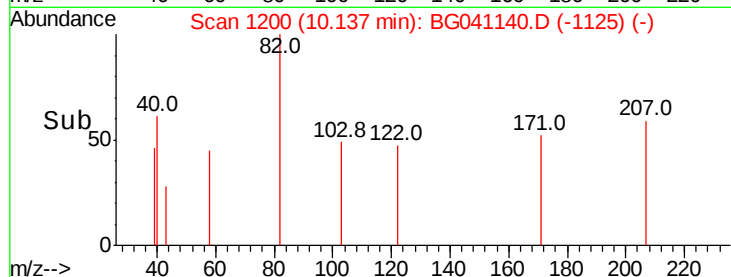
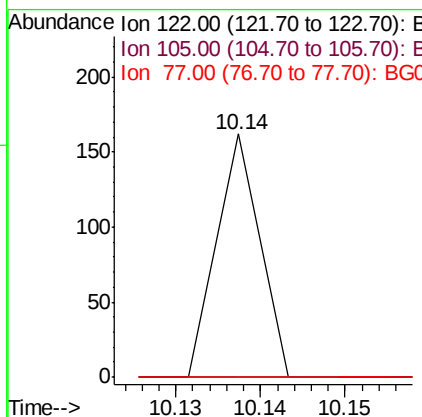
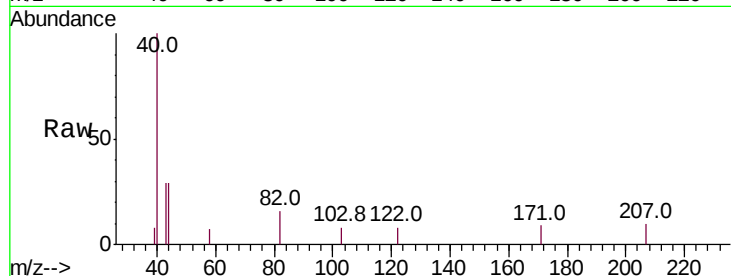




#32
Benzoic acid
Concen: 8.148 ng
RT: 10.14 min Scan# 1200
Delta R.T. -0.09 min
Lab File: BG041140.D
Acq: 8 Jun 2019 19:19

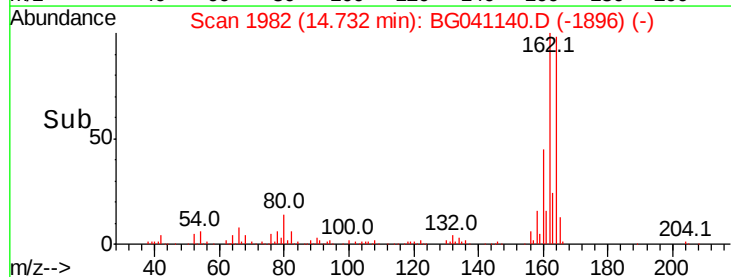
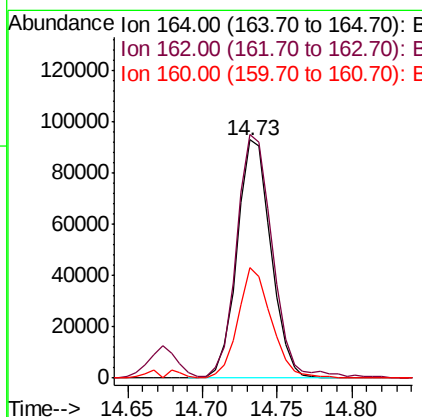
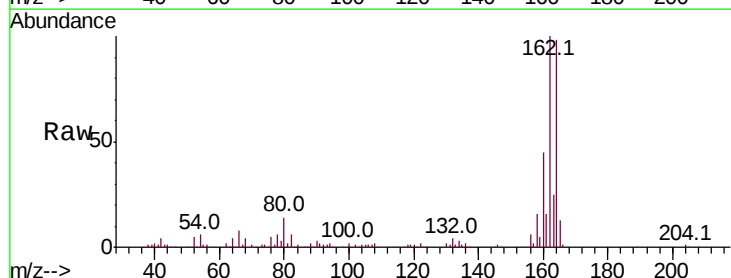
Instrument :
BNA_G
ClientSampled :

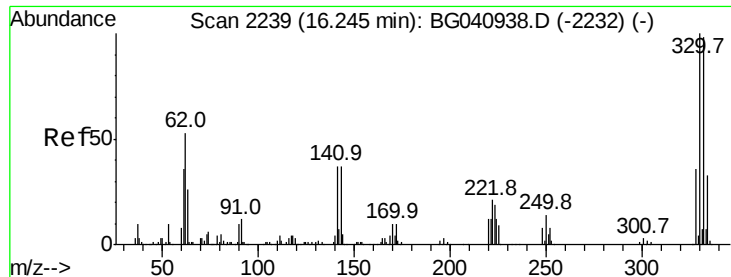
Tot Ion:122 Resp: 57
Ion Ratio Lower Upper
122 100
105 0.0 114.8 154.8#
77 0.0 89.9 129.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1982
Delta R.T. -0.03 min
Lab File: BG041140.D
Acq: 8 Jun 2019 19:19

Tgt Ion:164 Resp: 146255
Ion Ratio Lower Upper
164 100
162 102.3 83.0 124.4
160 46.2 35.6 53.4

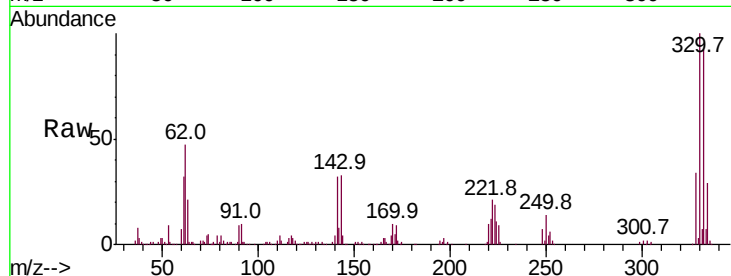




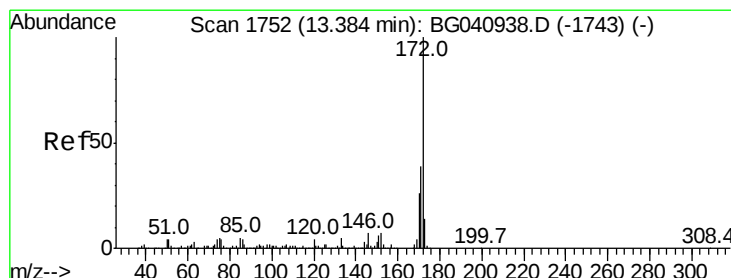
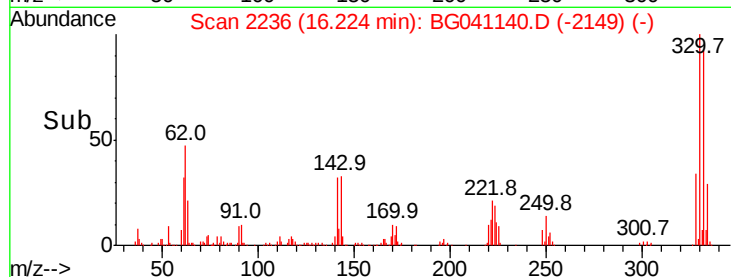
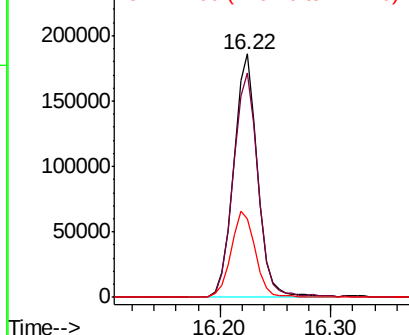
#42
 2,4,6-Tribromophenol
 Concen: 130.174 ng
 RT: 16.22 min Scan# 2236
 Delta R.T. -0.02 min
 Lab File: BG041140.D
 Acq: 8 Jun 2019 19:19

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	78.5	117.7
141	36.1	28.7	43.1

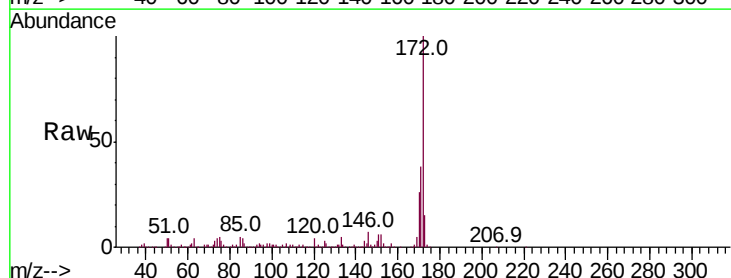


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

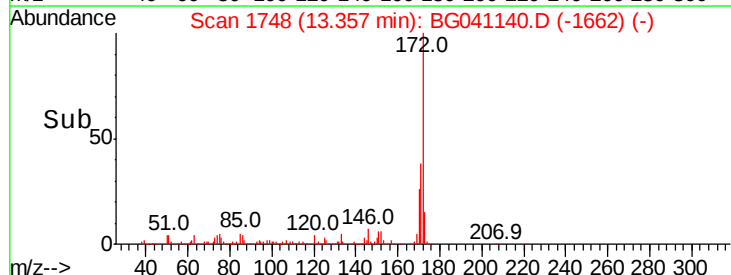
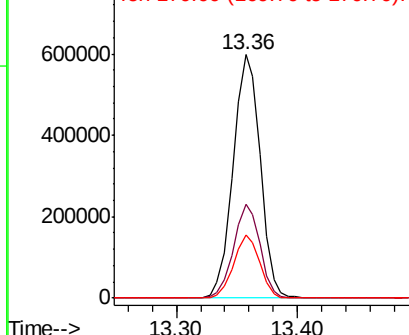


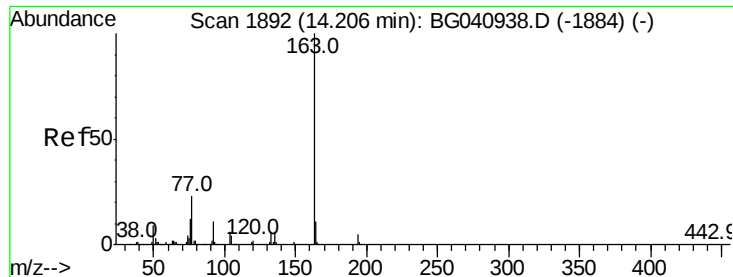
#45
 2-Fluorobiphenyl
 Concen: 92.242 ng
 RT: 13.36 min Scan# 1748
 Delta R.T. -0.03 min
 Lab File: BG041140.D
 Acq: 8 Jun 2019 19:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.1	46.7
170	26.1	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: 15.751 ng

RT: 14.18 min Scan# 1888

Delta R.T. -0.03 min

Lab File: BG041140.D

Acq: 8 Jun 2019 19:19

Instrument :

BNA_G

ClientSampleId :

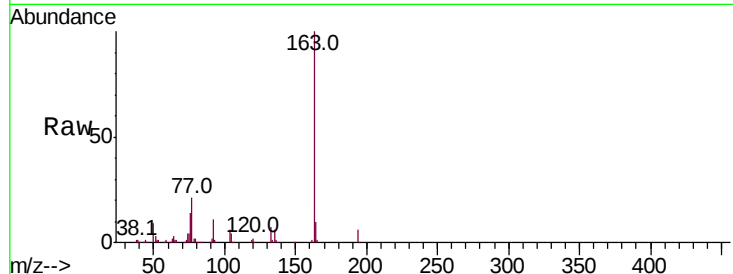
Tot Ion:163 Resp: 195004

Ion Ratio Lower Upper

163 100

194 5.7 3.8 5.8

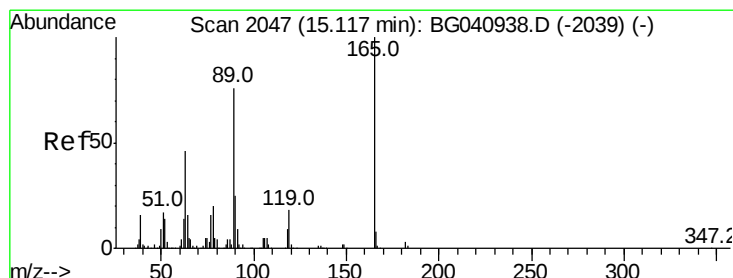
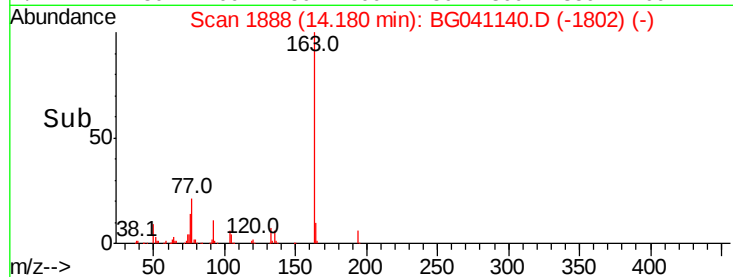
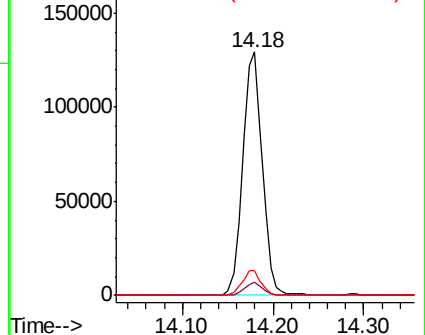
164 10.2 8.7 13.1



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: 5.272 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.39 min

Lab File: BG041140.D

Acq: 8 Jun 2019 19:19

Tgt Ion:165 Resp: 19880

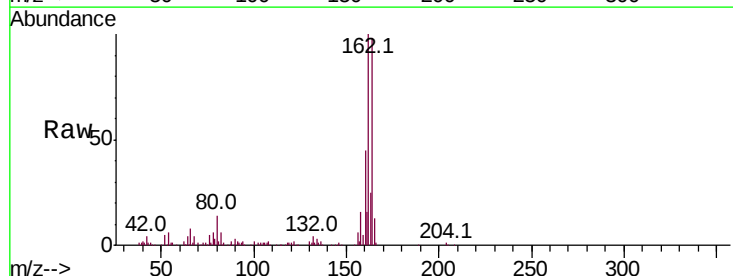
Ion Ratio Lower Upper

165 100

63 2.9 37.3 55.9#

89 1.5 61.0 91.6#

182 0.0 2.2 3.2#

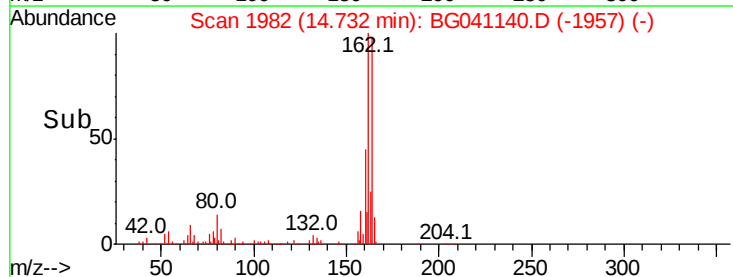
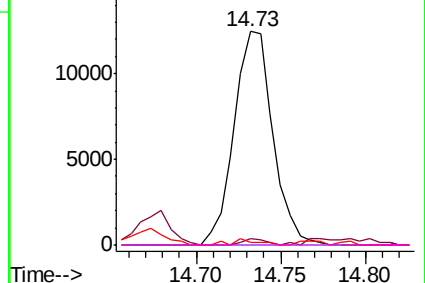


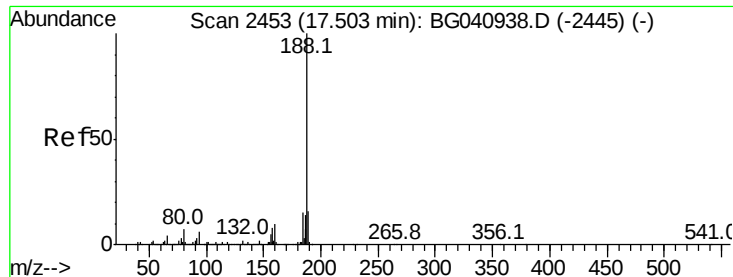
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.48 min Scan# 2449

Delta R.T. -0.03 min

Lab File: BG041140.D

Acq: 8 Jun 2019 19:19

Instrument :

BNA_G

ClientSampleId :

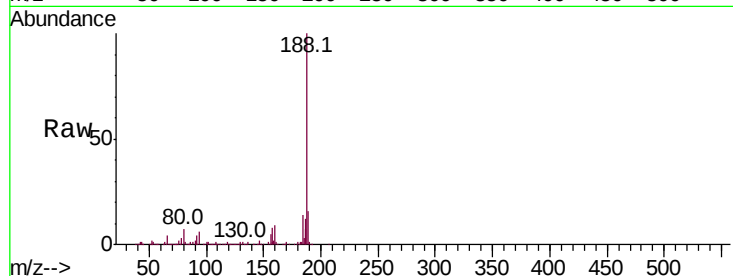
Tot Ion:188 Resp: 354990

Ion Ratio Lower Upper

188 100

94 6.2 4.7 7.1

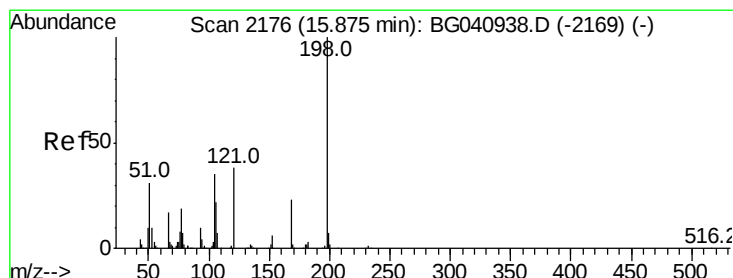
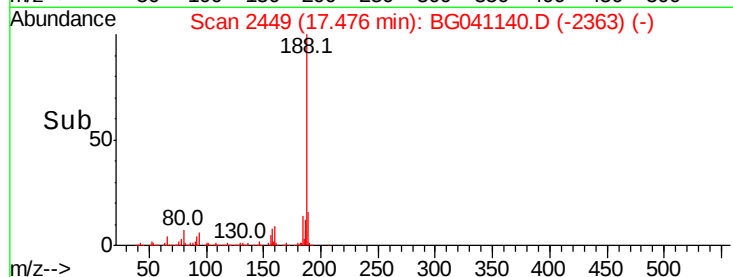
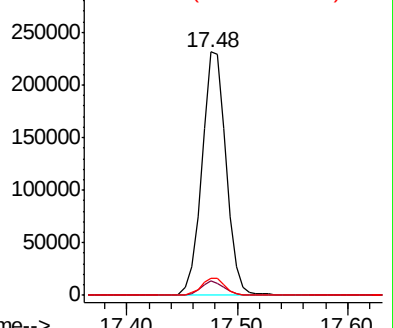
80 6.8 5.8 8.8



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: 8.612 ng

RT: 15.79 min Scan# 2162

Delta R.T. -0.09 min

Lab File: BG041140.D

Acq: 8 Jun 2019 19:19

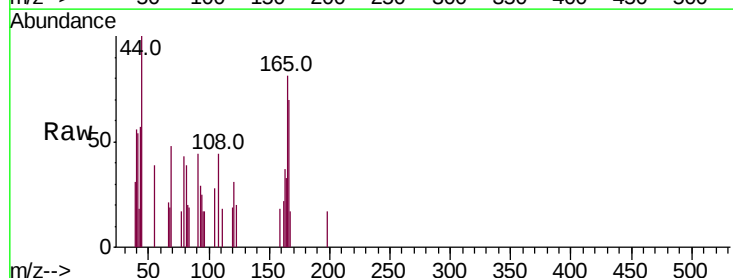
Tgt Ion:198 Resp: 53

Ion Ratio Lower Upper

198 100

51 0.0 21.6 61.6#

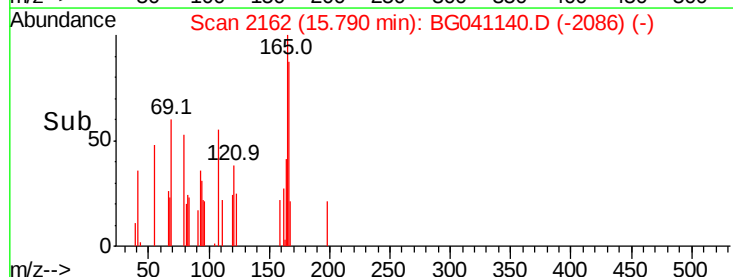
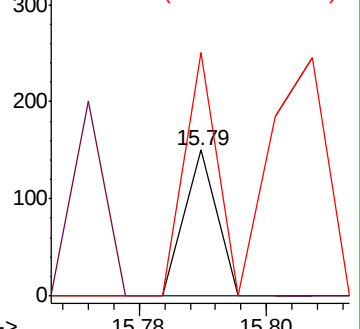
105 167.3 17.5 57.5#

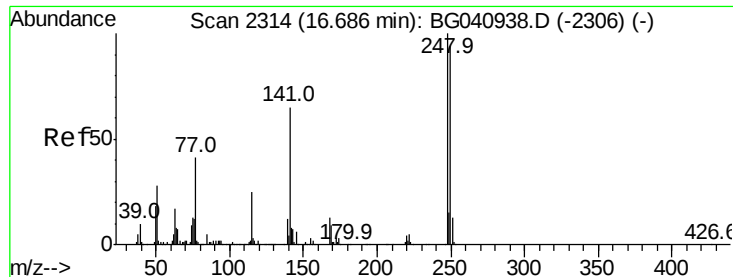


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

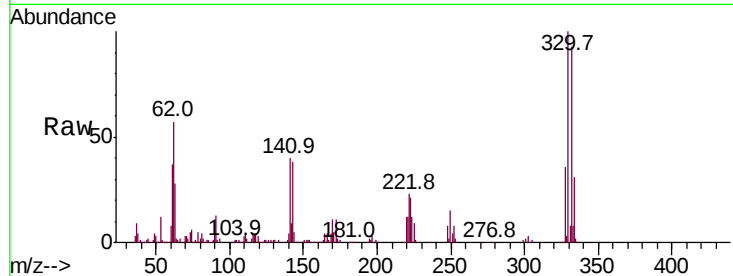




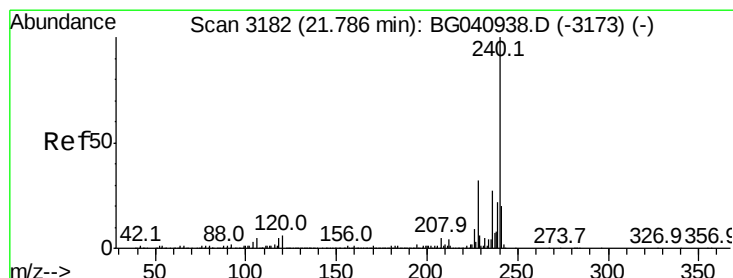
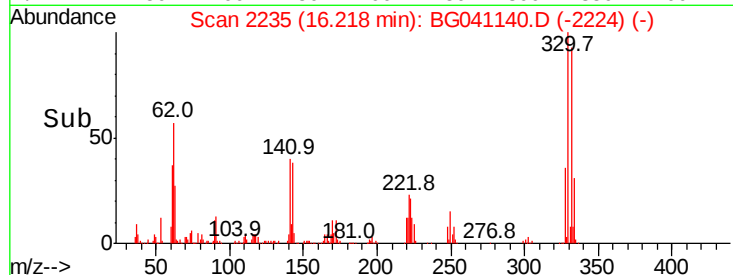
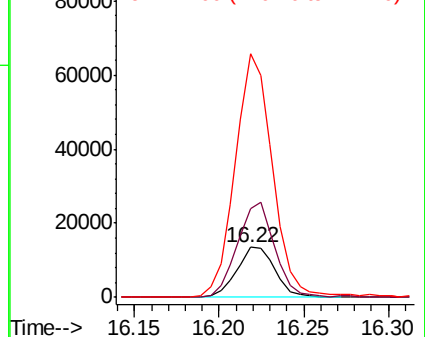
#67
4-Bromophenyl-phenylether
Concen: 4.458 ng
RT: 16.22 min Scan# 2235
Delta R.T. -0.47 min
Lab File: BG041140.D
Acq: 8 Jun 2019 19:19

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 21357
Ion Ratio Lower Upper
248 100
250 178.1 75.0 112.4#
141 485.2 52.4 78.6#

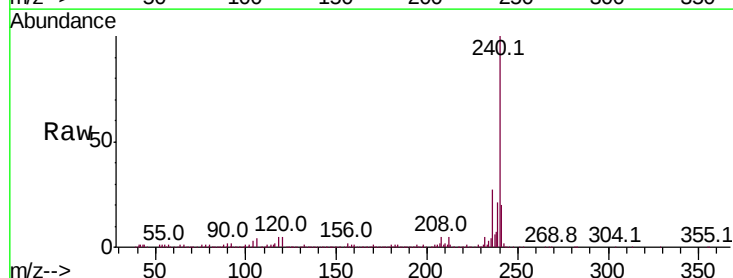


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

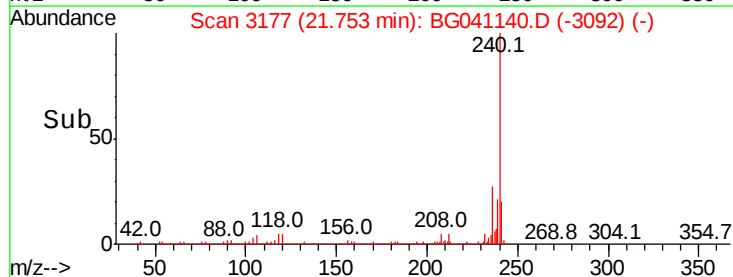
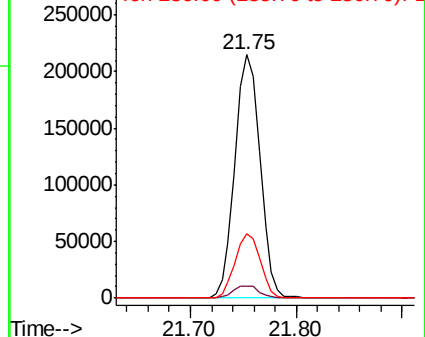


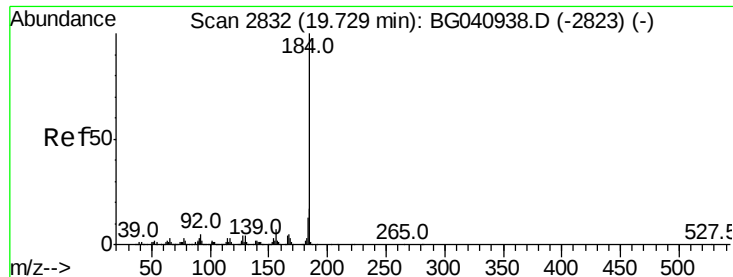
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3177
Delta R.T. -0.03 min
Lab File: BG041140.D
Acq: 8 Jun 2019 19:19

Tgt Ion:240 Resp: 354028
Ion Ratio Lower Upper
240 100
120 5.1 4.5 6.7
236 26.6 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: 2.705 ng

RT: 20.08 min Scan# 2892

Delta R.T. 0.35 min

Lab File: BG041140.D

Acq: 8 Jun 2019 19:19

Instrument :

BNA_G

ClientSampleId :

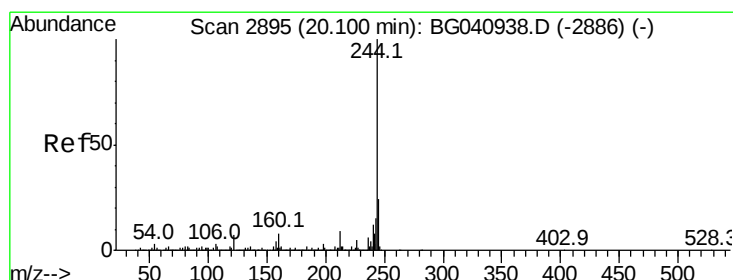
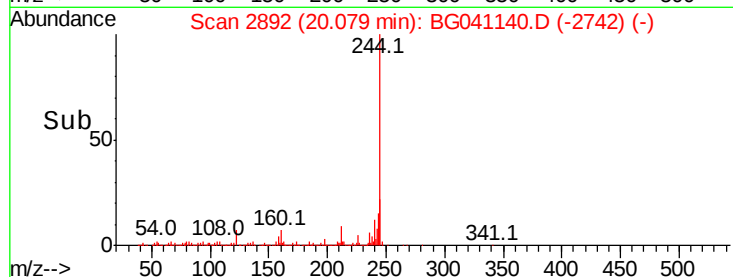
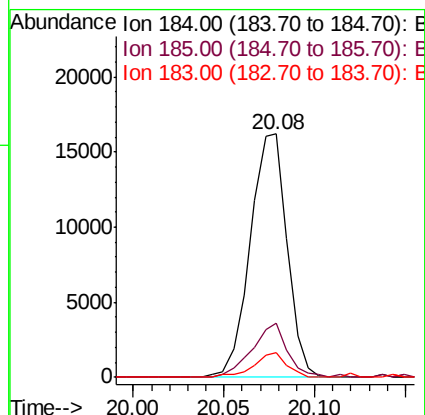
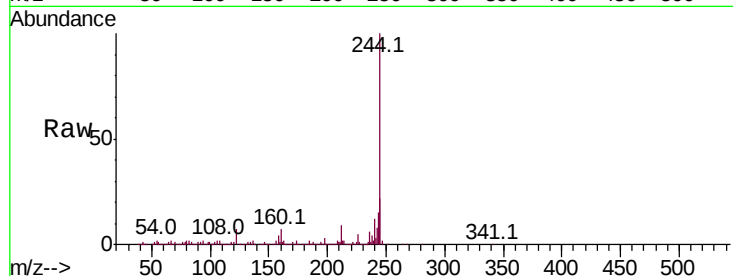
Tot Ion:184 Resp: 22847

Ion Ratio Lower Upper

184 100

185 22.4 13.3 19.9#

183 9.9 10.7 16.1#



#79

Terphenyl-d14

Concen: 82.341 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.02 min

Lab File: BG041140.D

Acq: 8 Jun 2019 19:19

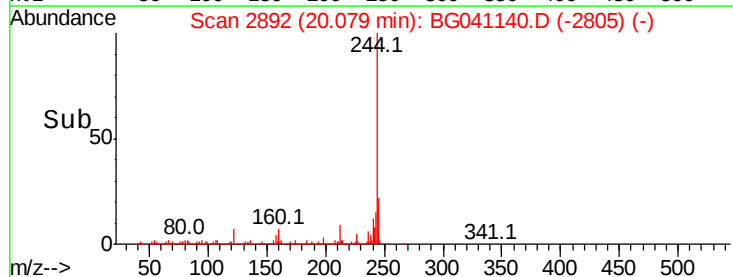
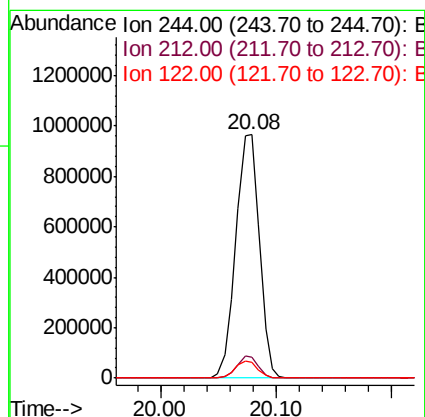
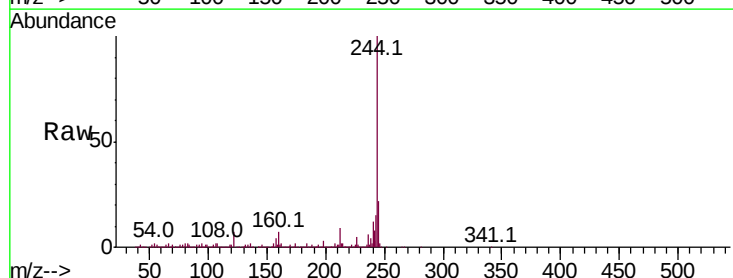
Tgt Ion:244 Resp: 1373529

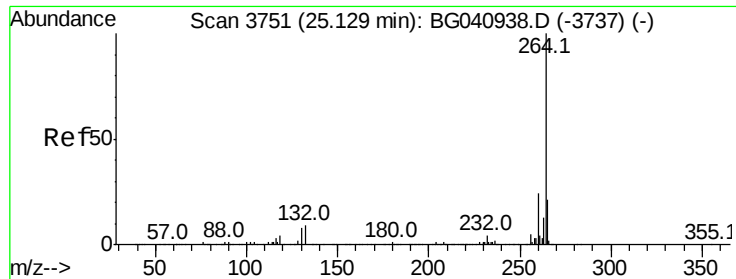
Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.4

122 6.7 5.4 8.0





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.08 min Scan# 3743
 Delta R.T. -0.05 min
 Lab File: BG041140.D
 Acq: 8 Jun 2019 19:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	21.3	17.0	25.4

