

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060119\
 Data File : BG041013.D
 Acq On : 1 Jun 2019 15:32
 Operator : HP/JU
 Sample : K3111-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 03 01:12:41 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	8.12	152	56819	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	224857	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	164144	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	418036	20.00	ng	0.00
76) Chrysene-d12	21.77	240	412483	20.00	ng	-0.01
87) Perylene-d12	25.11	264	437478	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	380973	120.91	ng	0.00
7) Phenol-d6	7.27	99	560045	115.08	ng	0.00
23) Nitrobenzene-d5	9.30	82	397448	78.47	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	292527	120.04	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	933657	81.91	ng	0.00
79) Terphenyl-d14	20.09	244	1557924	80.16	ng	0.00

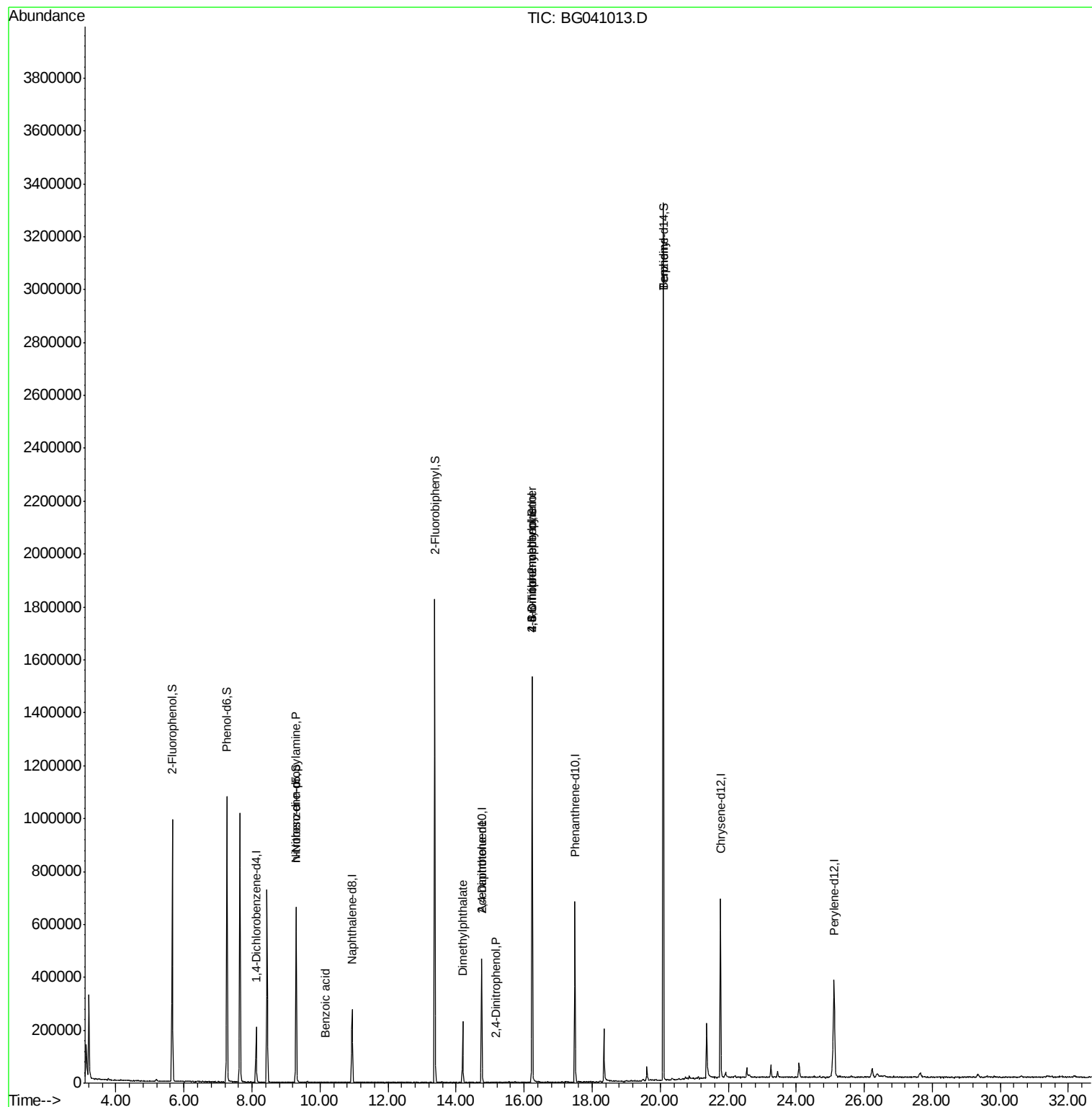
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.30	70	58409	15.597	ng	# 71
32) Benzoic acid	10.17	122	62	8.149	ng	# 1
50) Dimethylphthalate	14.19	163	150635	10.841	ng	97
54) 2,4-Dinitrophenol	15.17	184	54	8.294	ng	# 18
57) 2,4-Dinitrotoluene	14.74	165	20969	4.955	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.24	198	987	8.951	ng	# 1
67) 4-Bromophenyl-phenylether	16.24	248	21697	3.846	ng	# 1
77) Benzidine	20.09	184	26972	2.741	ng	97

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

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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :

Quant Time: Jun 03 01:12:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.12 min Scan# 857

Delta R.T. -0.01 min

Lab File: BG041013.D

Acq: 1 Jun 2019 15:32

Instrument :

BNA_G

ClientSampleId :

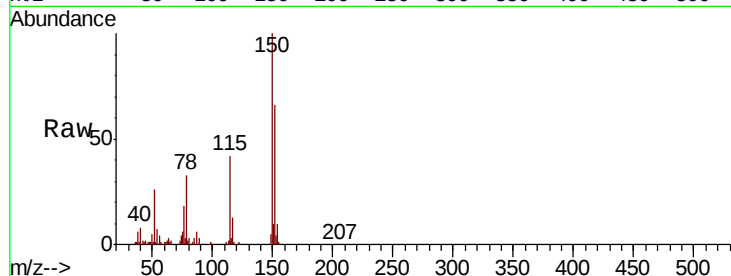
Tot Ion:152 Resp: 56819

Ion Ratio Lower Upper

152 100

150 150.4 120.6 180.8

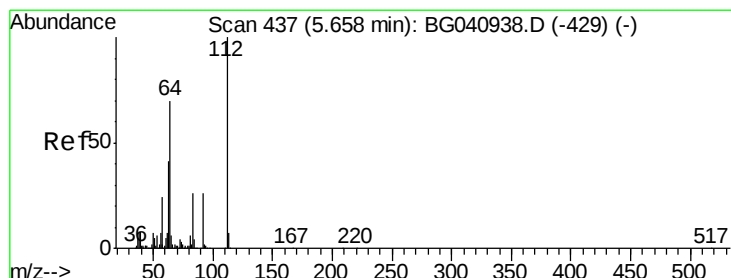
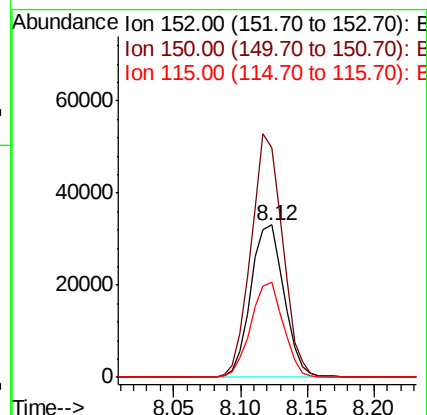
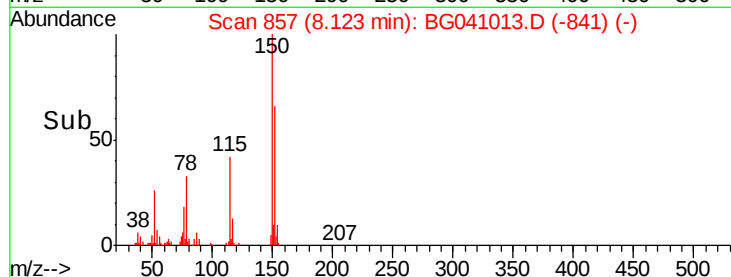
115 62.4 45.1 67.7



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: 120.906 ng

RT: 5.66 min Scan# 437

Delta R.T. -0.00 min

Lab File: BG041013.D

Acq: 1 Jun 2019 15:32

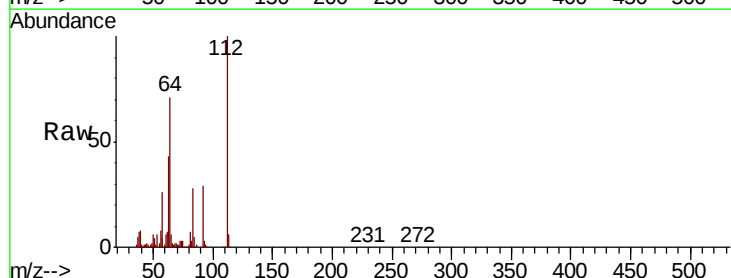
Tgt Ion:112 Resp: 380973

Ion Ratio Lower Upper

112 100

64 71.2 56.2 84.2

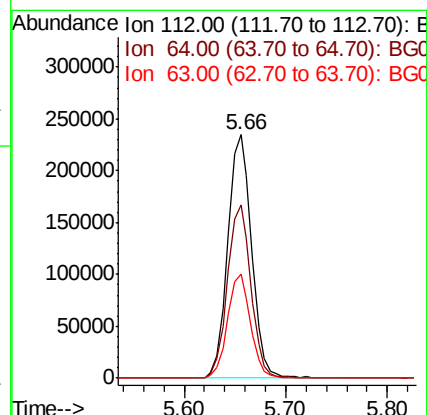
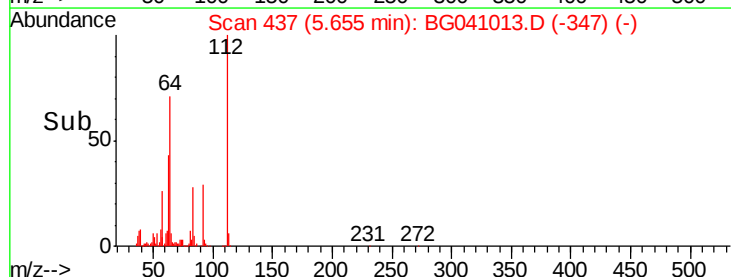
63 42.6 32.8 49.2



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: 115.085 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG041013.D

Acq: 1 Jun 2019 15:32

Instrument :

BNA_G

ClientSampleId :

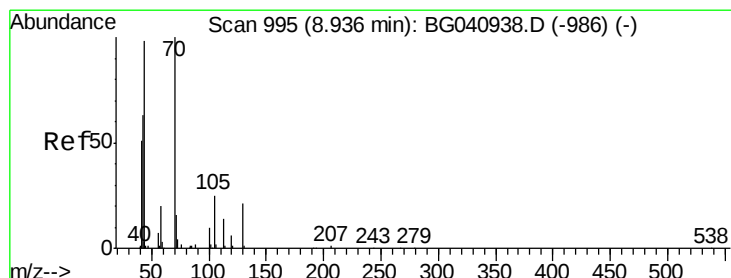
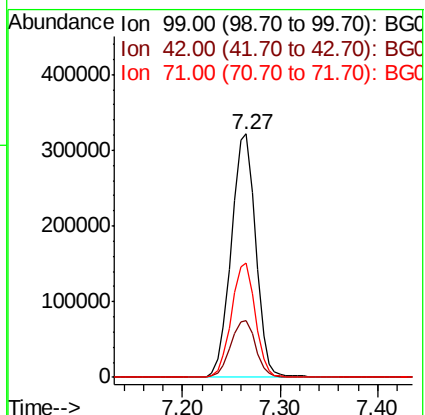
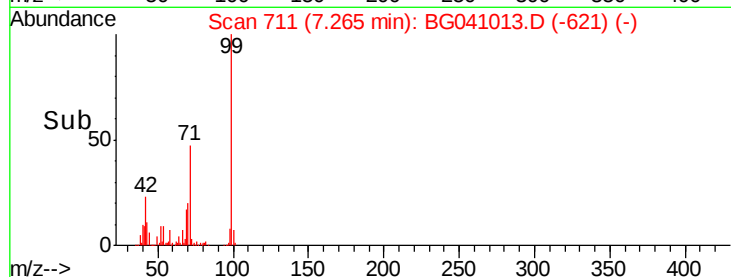
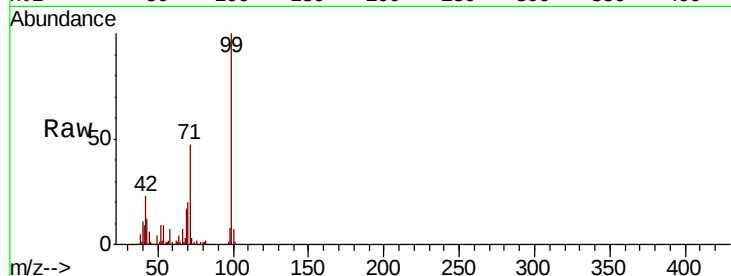
Tot Ion: 99 Resp: 560045

Ion Ratio Lower Upper

99 100

42 23.1 17.9 26.9

71 47.1 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.597 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG041013.D

Acq: 1 Jun 2019 15:32

Tgt Ion: 70 Resp: 58409

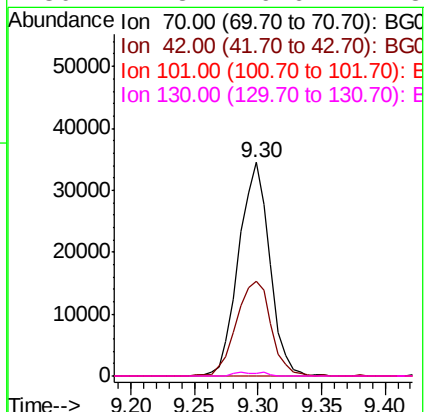
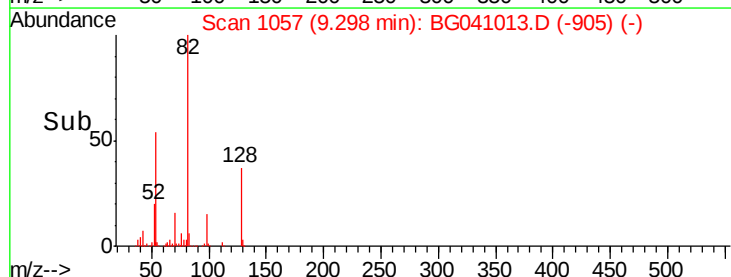
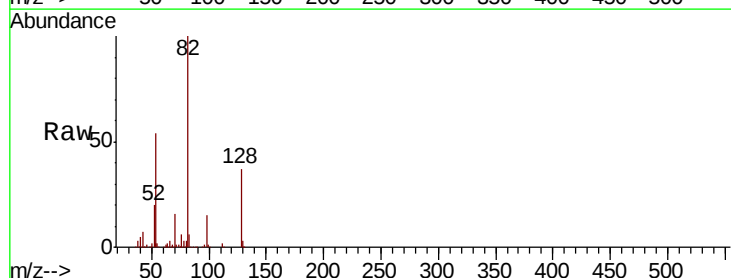
Ion Ratio Lower Upper

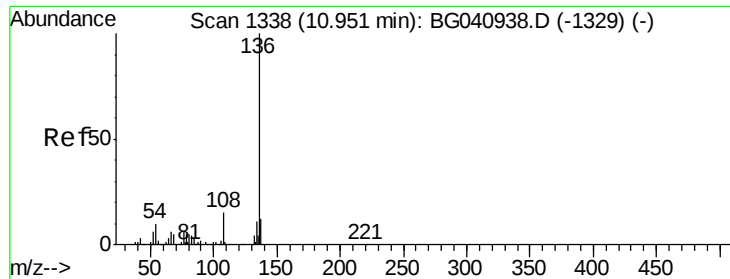
70 100

42 44.3 51.5 77.3#

101 0.0 8.1 12.1#

130 1.3 16.6 24.8#

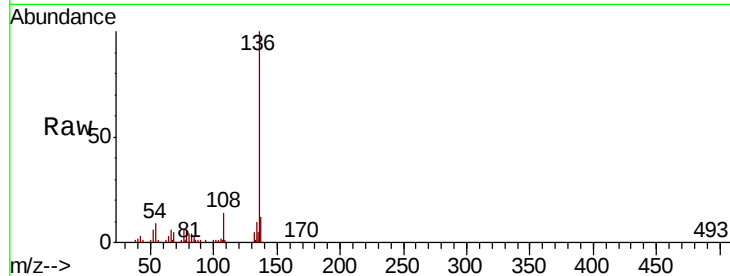




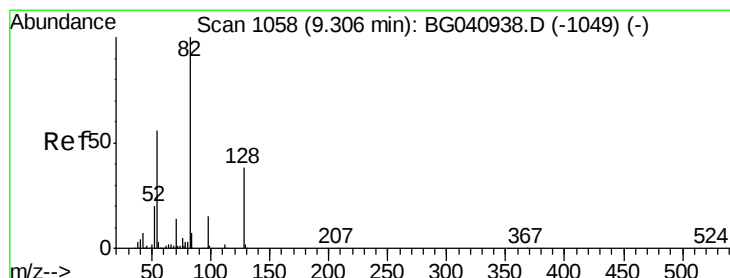
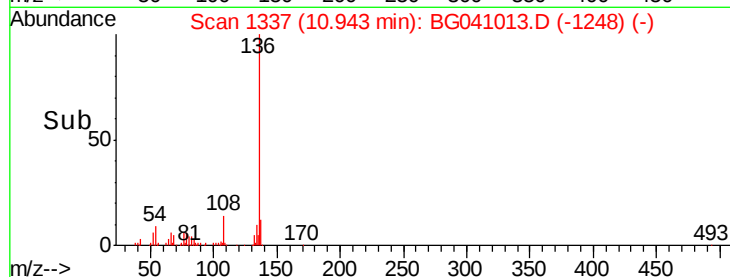
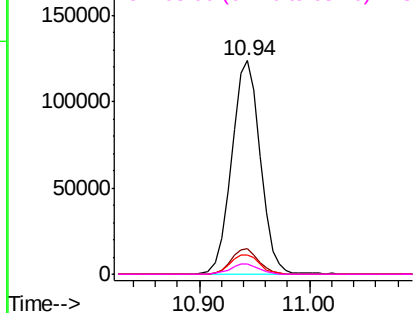
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG041013.D
Acq: 1 Jun 2019 15:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	224857
Ion Ratio	Lower	Upper
136 100		
137 12.0	9.5	14.3
54 8.9	7.6	11.4
68 4.9	3.9	5.9

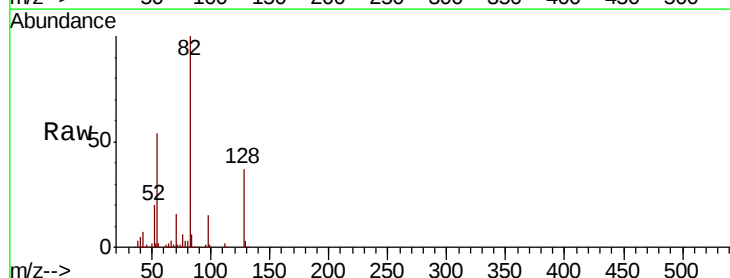


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

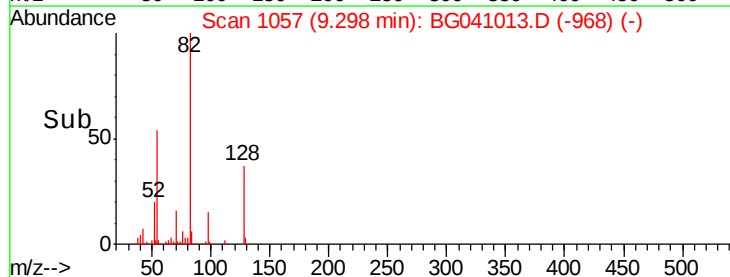
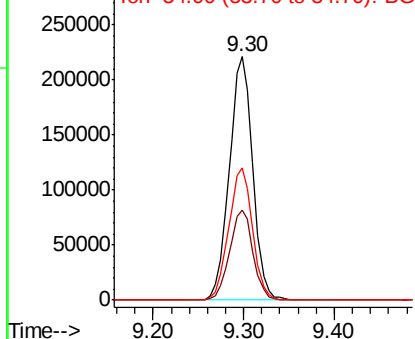


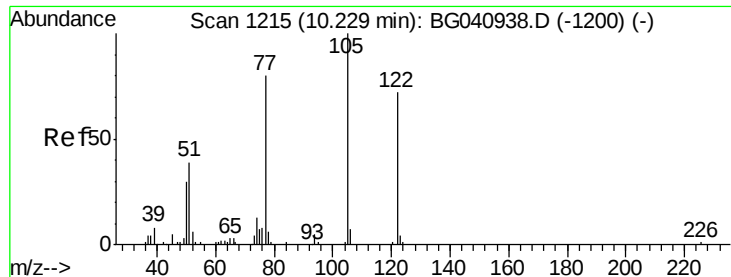
#23
Nitrobenzene-d5
Concen: 78.468 ng
RT: 9.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG041013.D
Acq: 1 Jun 2019 15:32

Tgt	Ion: 82	Resp:	397448
Ion	Ratio	Lower	Upper
82	100		
128	36.8	30.5	45.7
54	54.2	44.6	66.8



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

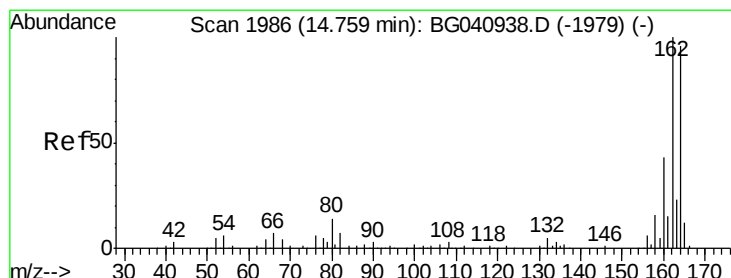
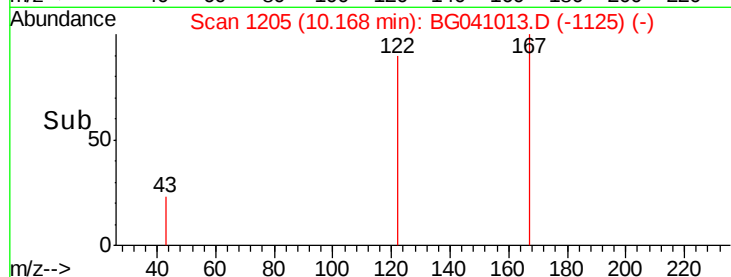
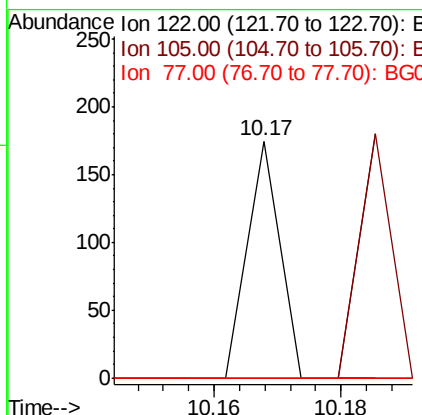
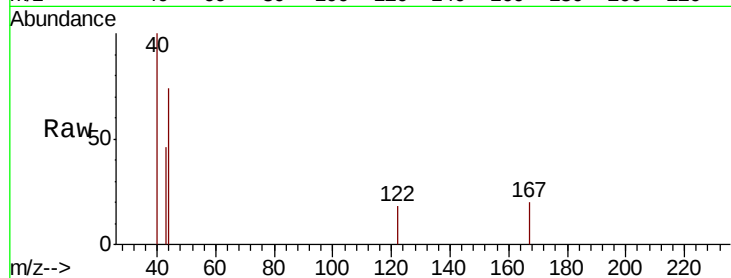




#32
Benzoic acid
Concen: 8.149 ng
RT: 10.17 min Scan# 1205
Delta R.T. -0.06 min
Lab File: BG041013.D
Acq: 1 Jun 2019 15:32

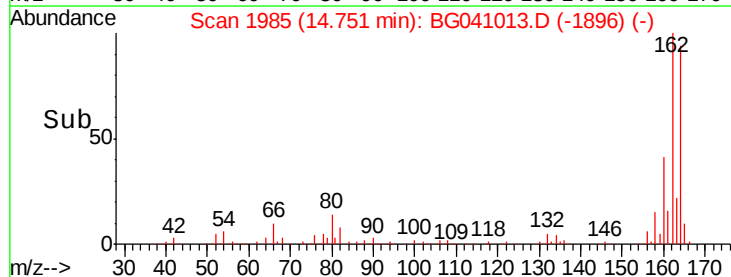
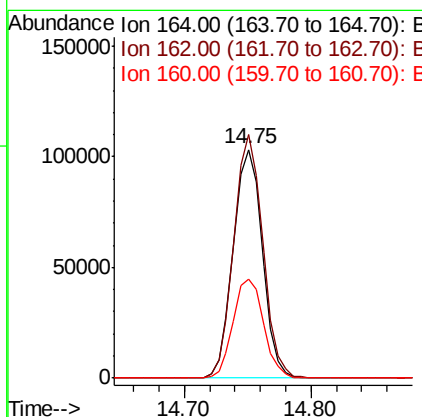
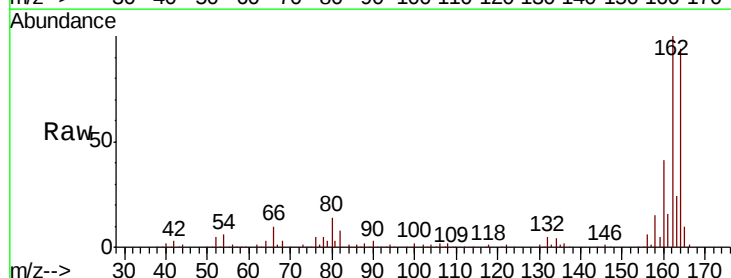
Instrument :
BNA_G
ClientSampleId :

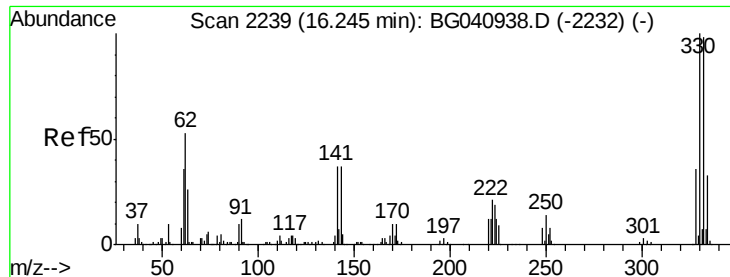
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	114.8	154.8#
77	0.0	89.9	129.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BG041013.D
Acq: 1 Jun 2019 15:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.6	83.0	124.4
160	43.5	35.6	53.4





#42

2,4,6-Tribromophenol

Concen: 120.044 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG041013.D

Acq: 1 Jun 2019 15:32

Instrument :

BNA_G

ClientSampleId :

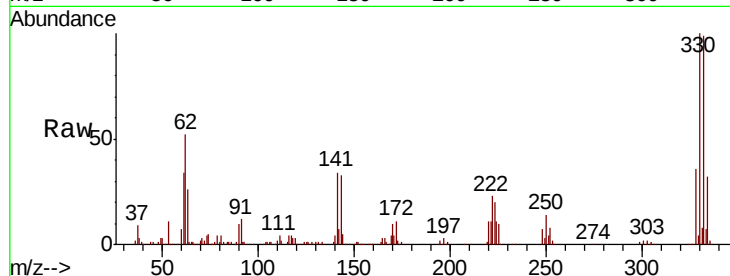
Tot Ion:330 Resp: 292527

Ion Ratio Lower Upper

330 100

332 97.8 78.5 117.7

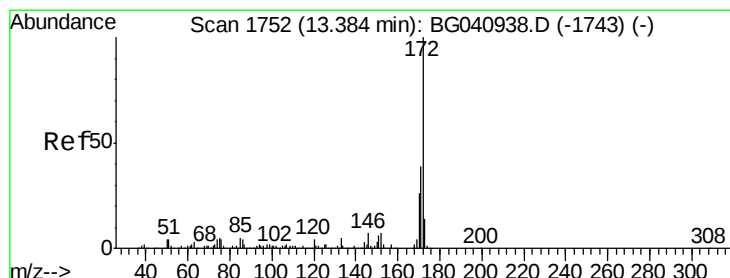
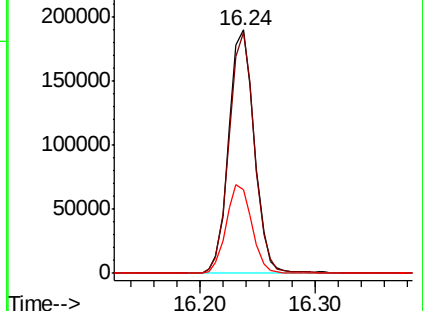
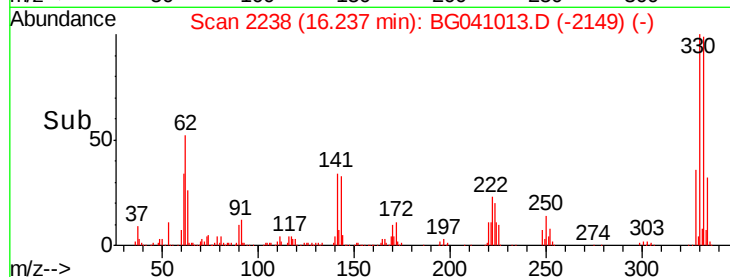
141 36.5 28.7 43.1



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: 81.914 ng

RT: 13.38 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BG041013.D

Acq: 1 Jun 2019 15:32

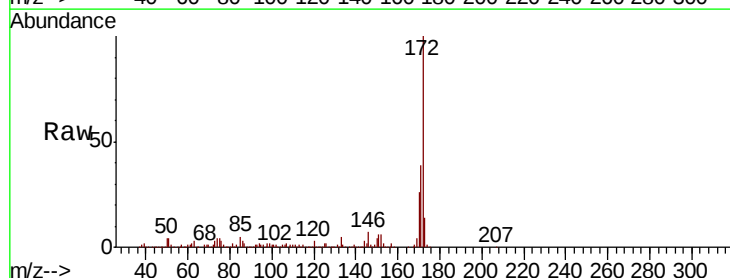
Tgt Ion:172 Resp: 933657

Ion Ratio Lower Upper

172 100

171 38.7 31.1 46.7

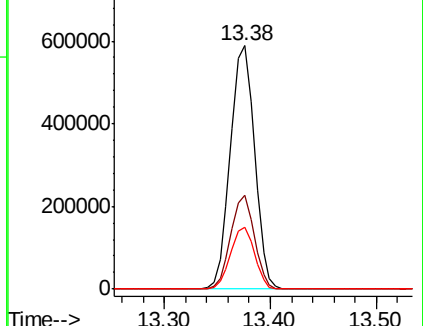
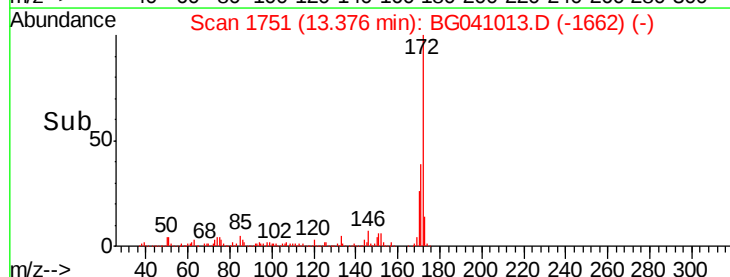
170 25.5 20.5 30.7

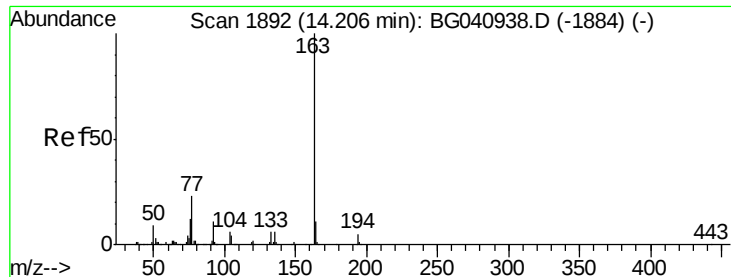


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

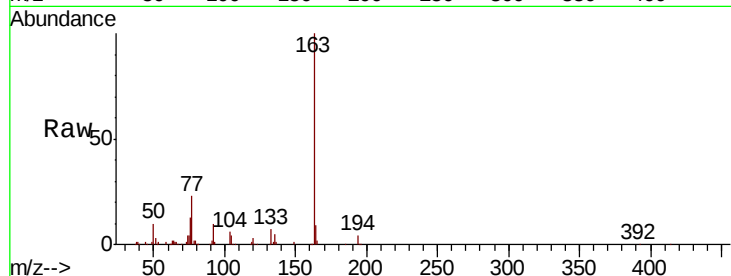




#50
Dimethylphthalate
Concen: 10.841 ng
RT: 14.19 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG041013.D
Acq: 1 Jun 2019 15:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.8	5.8
164	9.4	8.7	13.1

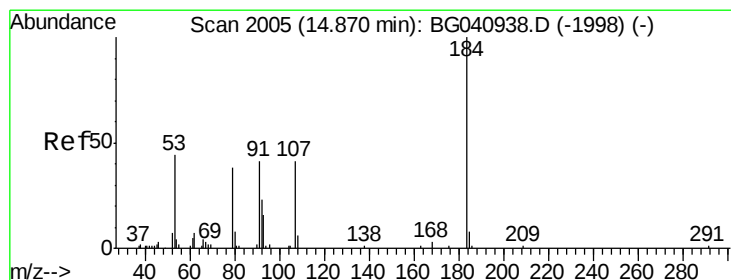
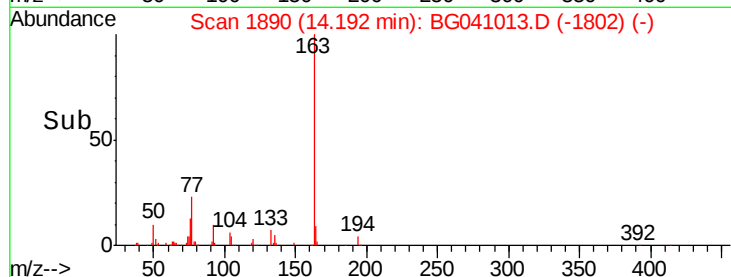
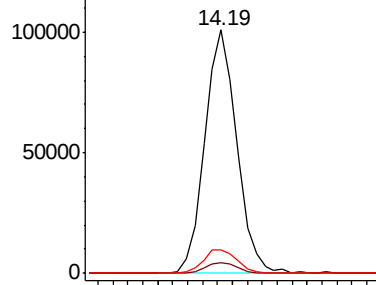


Abundance

Ion 163.00 (162.70 to 163.70): E

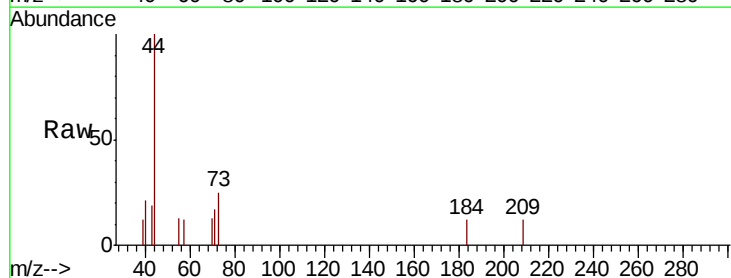
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#54
2,4-Dinitrophenol
Concen: 8.294 ng
RT: 15.17 min Scan# 2056
Delta R.T. 0.30 min
Lab File: BG041013.D
Acq: 1 Jun 2019 15:32

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	49.8	74.6#
154	0.0	52.2	78.4#

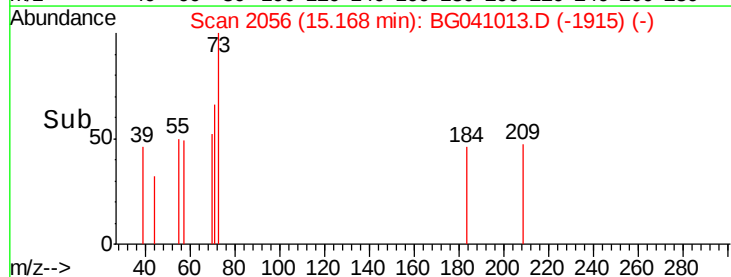
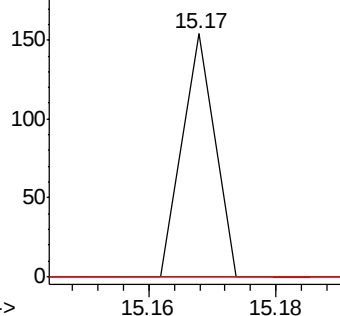


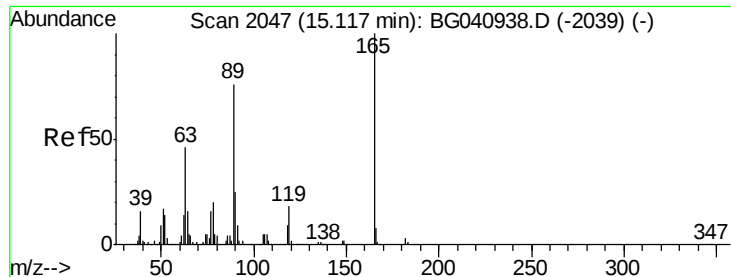
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 4.955 ng

RT: 14.74 min Scan# 1984

Delta R.T. -0.37 min

Lab File: BG041013.D

Acq: 1 Jun 2019 15:32

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 20969

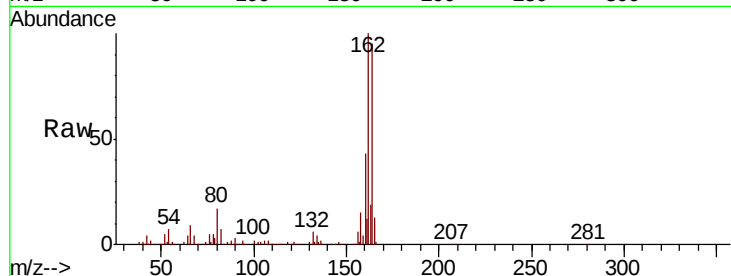
Ion Ratio Lower Upper

165 100

63 0.0 37.3 55.9#

89 2.9 61.0 91.6#

182 0.0 2.2 3.2#

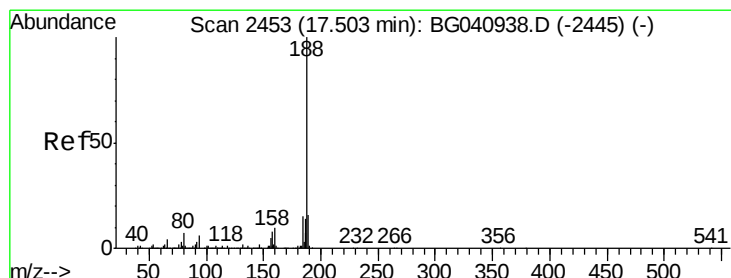
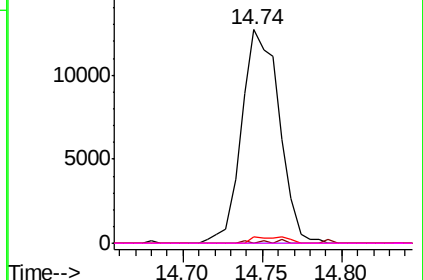
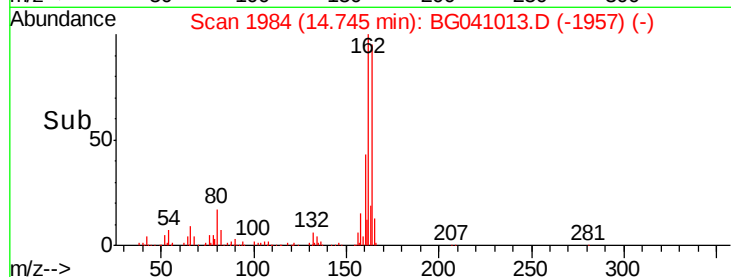


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2452

Delta R.T. -0.01 min

Lab File: BG041013.D

Acq: 1 Jun 2019 15:32

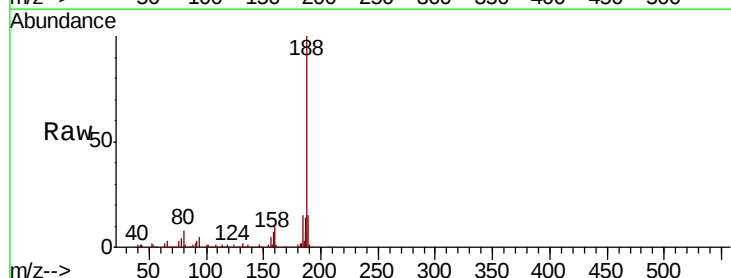
Tgt Ion:188 Resp: 418036

Ion Ratio Lower Upper

188 100

94 5.4 4.7 7.1

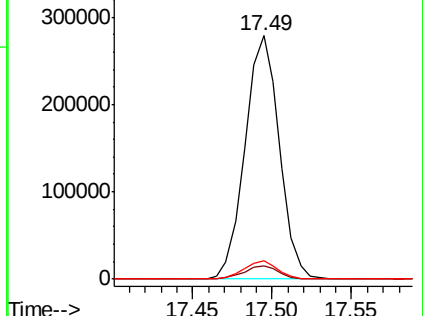
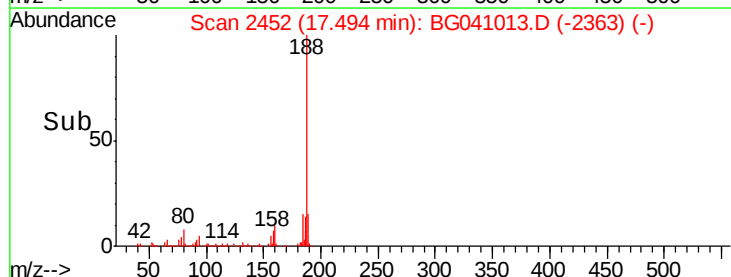
80 7.8 5.8 8.8

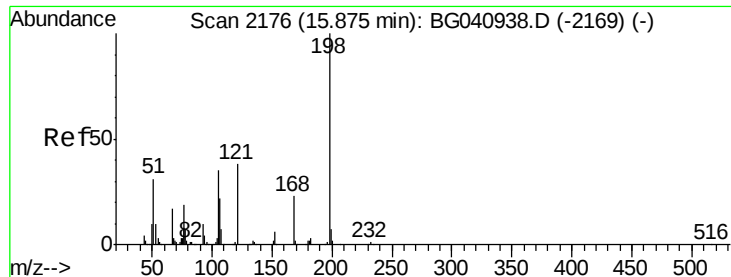


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.951 ng

RT: 16.24 min Scan# 2238

Delta R.T. 0.36 min

Lab File: BG041013.D

Acq: 1 Jun 2019 15:32

Instrument :

BNA_G

ClientSampleId :

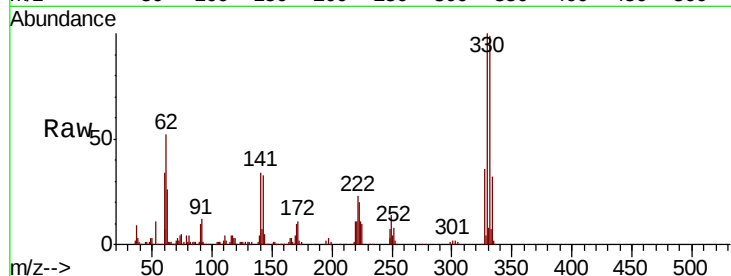
Tot Ion:198 Resp: 987

Ion Ratio Lower Upper

198 100

51 101.0 21.6 61.6#

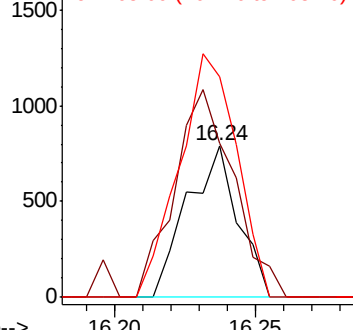
105 144.9 17.5 57.5#



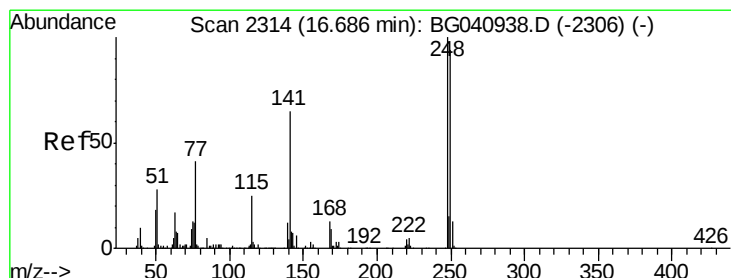
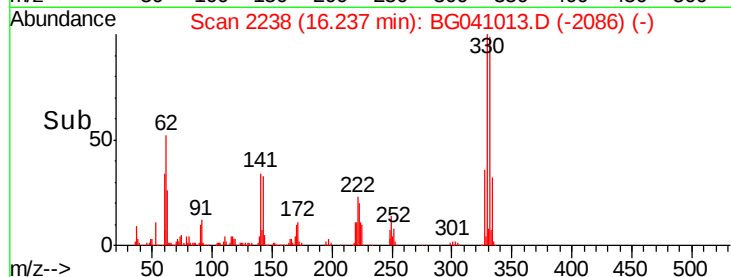
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



Time-->



#67

4-Bromophenyl-phenylether

Concen: 3.846 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.45 min

Lab File: BG041013.D

Acq: 1 Jun 2019 15:32

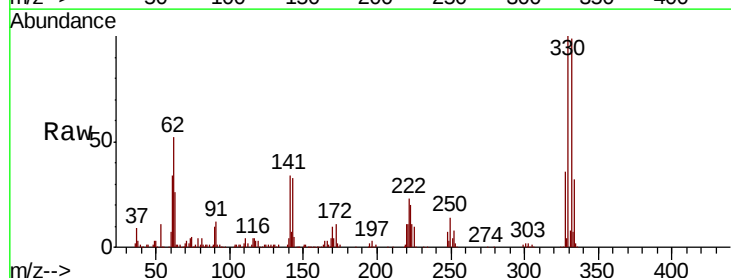
Tgt Ion:248 Resp: 21697

Ion Ratio Lower Upper

248 100

250 189.5 75.0 112.4#

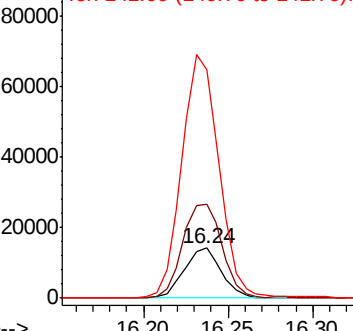
141 459.3 52.4 78.6#



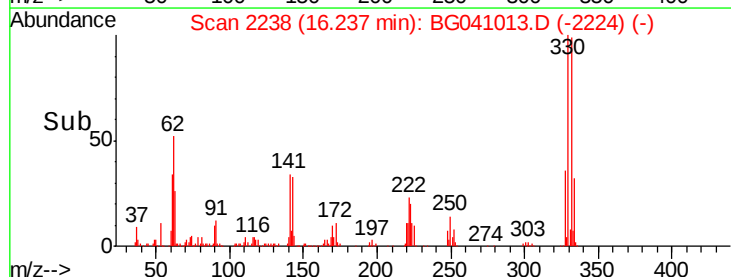
Abundance Ion 248.00 (247.70 to 248.70): E

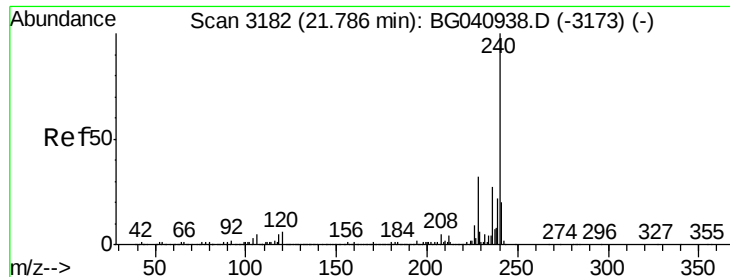
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->

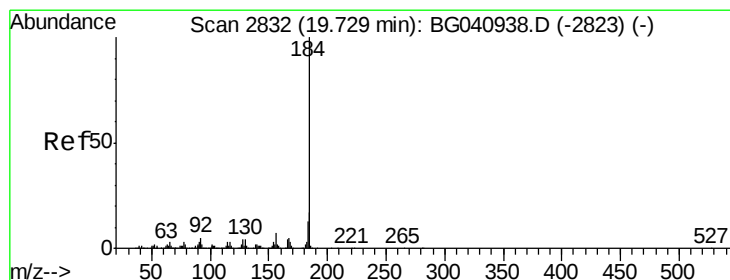
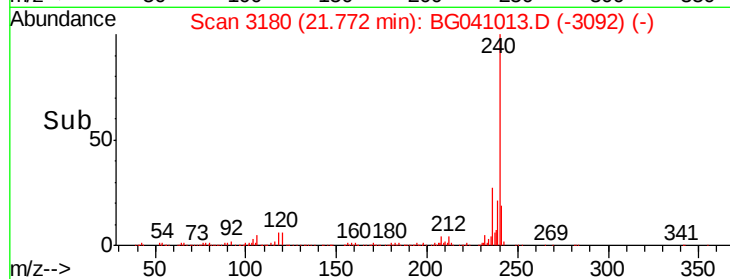
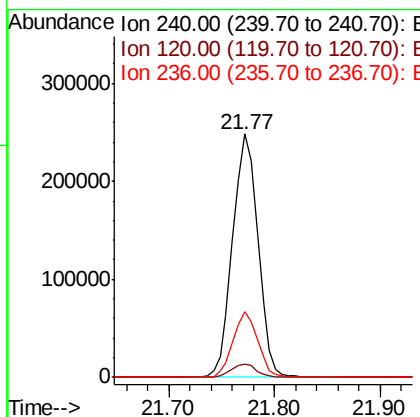
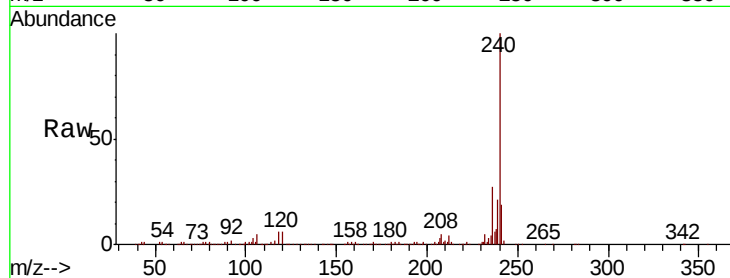




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3180
Delta R.T. -0.01 min
Lab File: BG041013.D
Acq: 1 Jun 2019 15:32

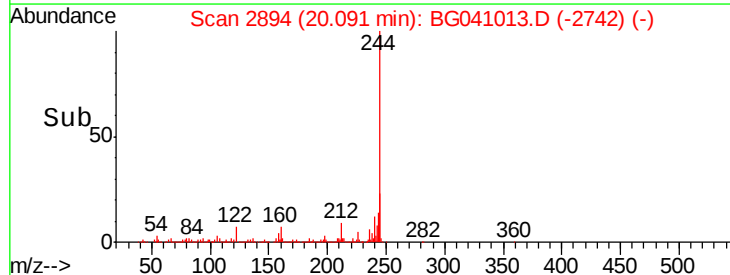
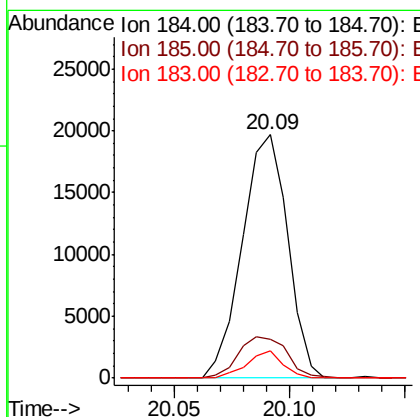
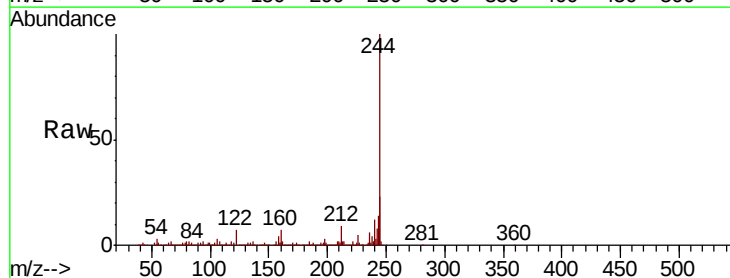
Instrument :
BNA_G
ClientSampleId :

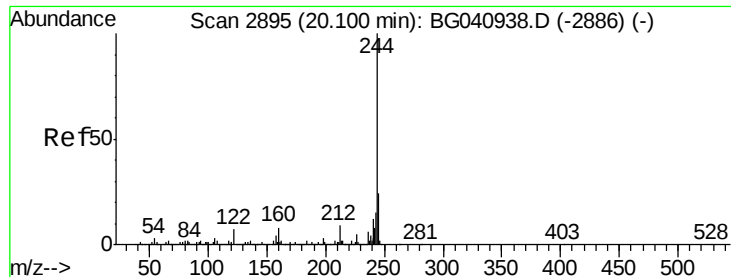
Tot Ion:240 Resp: 412483
Ion Ratio Lower Upper
240 100
120 5.5 4.5 6.7
236 26.9 21.3 31.9



#77
Benzidine
Concen: 2.741 ng
RT: 20.09 min Scan# 2894
Delta R.T. 0.36 min
Lab File: BG041013.D
Acq: 1 Jun 2019 15:32

Tgt Ion:184 Resp: 26972
Ion Ratio Lower Upper
184 100
185 15.9 13.3 19.9
183 11.4 10.7 16.1





#79

Terphenyl-d14

Concen: 80.160 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG041013.D

Acq: 1 Jun 2019 15:32

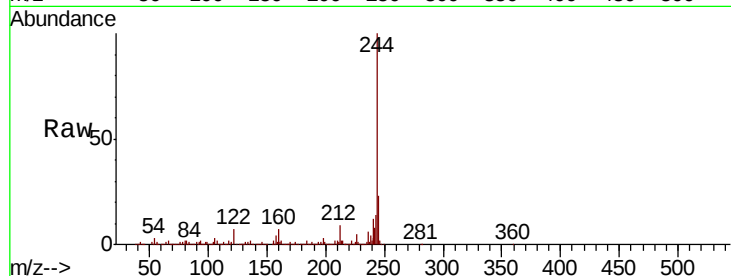
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1557924

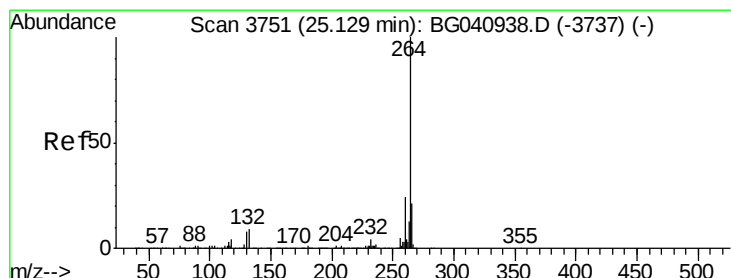
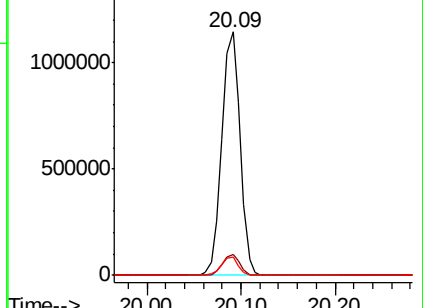
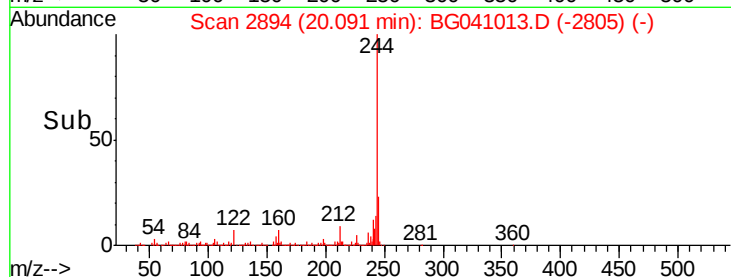
Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.0	10.4
122	7.4	5.4	8.0



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: 25.11 min Scan# 3748

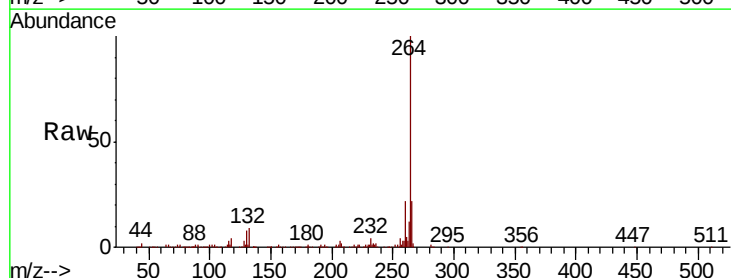
Delta R.T. -0.02 min

Lab File: BG041013.D

Acq: 1 Jun 2019 15:32

Tgt Ion:264 Resp: 437478

Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.0	28.4
265	21.8	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

