

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060119\
 Data File : BG041012.D
 Acq On : 1 Jun 2019 14:54
 Operator : HP/JU
 Sample : K3040-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 03 01:12:32 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

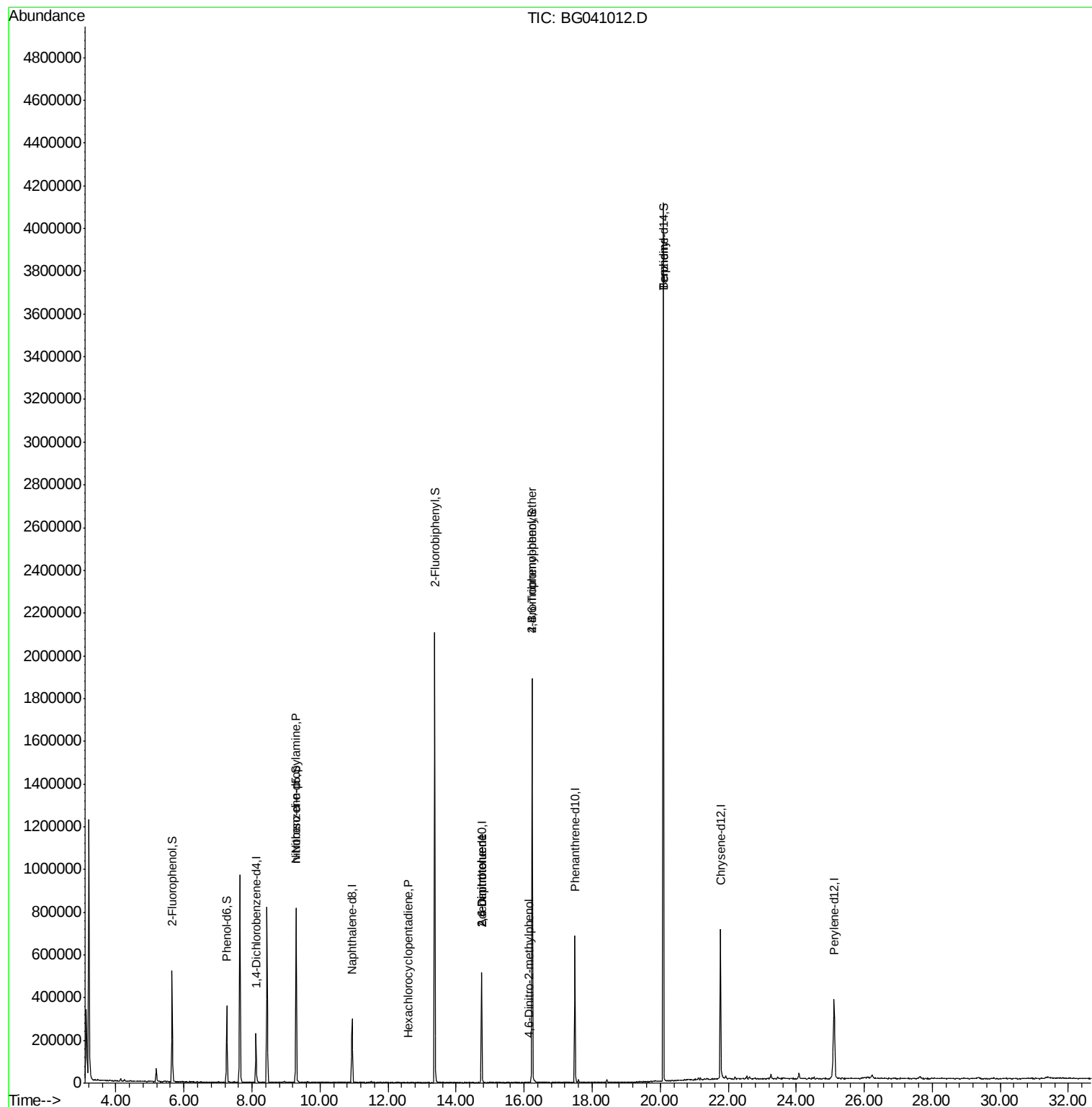
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	59760	20.00	ng	-0.01
21) Naphthalene-d8	10.94	136	240975	20.00	ng	-0.01
39) Acenaphthene-d10	14.75	164	173774	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	426878	20.00	ng	0.00
76) Chrysene-d12	21.77	240	436753	20.00	ng	-0.01
87) Perylene-d12	25.12	264	454099	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	202857	61.21	ng	0.00
7) Phenol-d6	7.26	99	185515	36.25	ng	0.00
23) Nitrobenzene-d5	9.30	82	485346	89.41	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	340114	131.84	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	1077869	89.33	ng	0.00
79) Terphenyl-d14	20.09	244	1844713	89.64	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.30	70	70018	17.777	ng	# 76
41) Hexachlorocyclopentadiene	12.61	237	78	8.254	ng	# 26
51) 2,6-Dinitrotoluene	14.75	165	21968	6.926	ng	# 19
57) 2,4-Dinitrotoluene	14.75	165	21968	4.903	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.16	198	59	8.611	ng	# 36
67) 4-Bromophenyl-phenylether	16.24	248	25248	4.383	ng	# 1
77) Benzidine	20.09	184	32643	3.133	ng	# 93

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

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Quant Time: Jun 03 01:12:32 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
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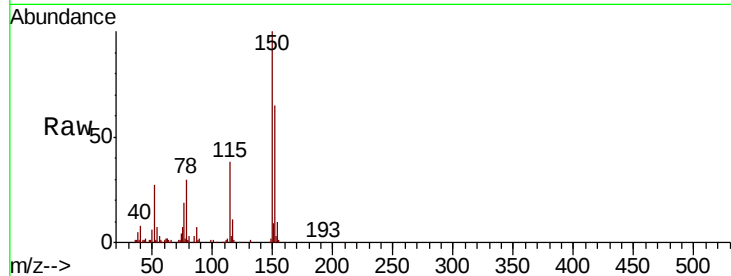


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG041012.D
Acq: 1 Jun 2019 14:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	120.6	180.8
115	58.7	45.1	67.7

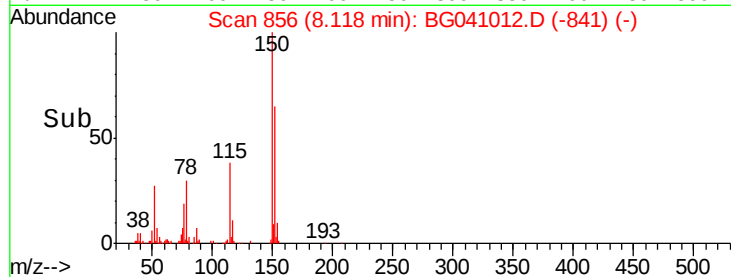
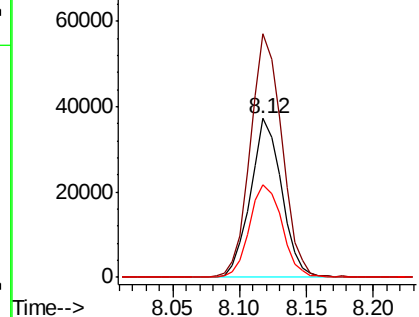


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

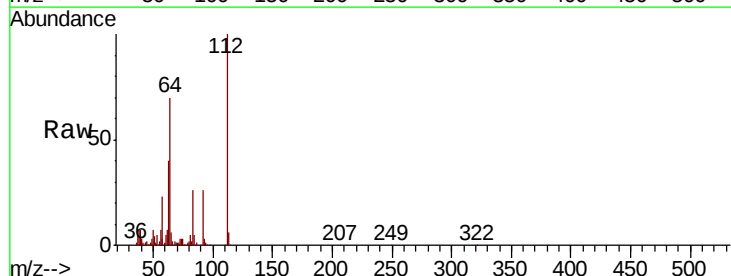
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 61.211 ng
RT: 5.66 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG041012.D
Acq: 1 Jun 2019 14:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.3	56.2	84.2
63	40.2	32.8	49.2

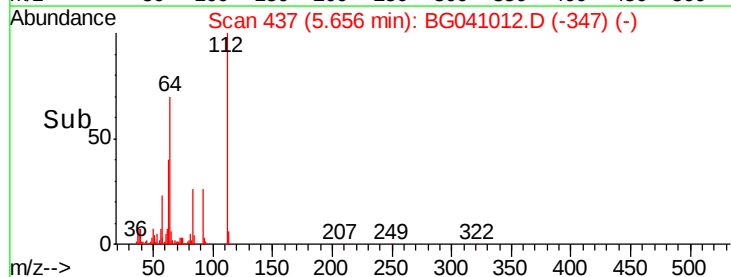
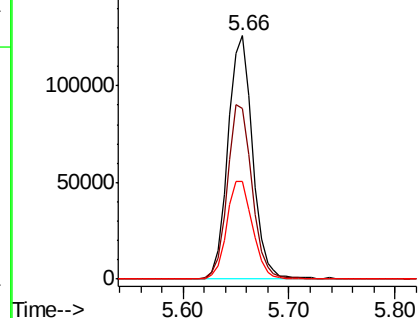


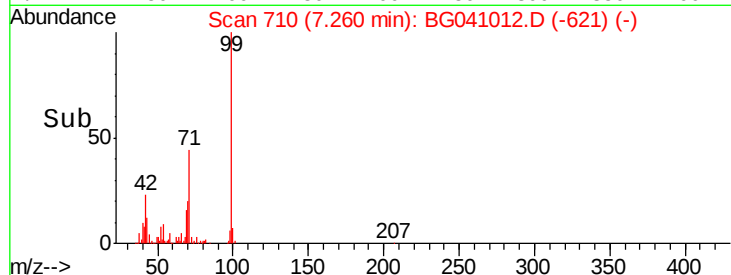
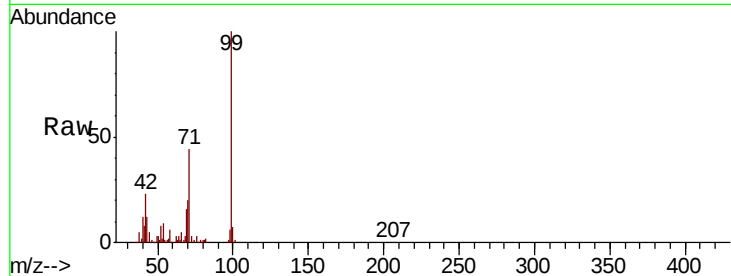
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 36.246 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG041012.D

Acq: 1 Jun 2019 14:54

Instrument :

BNA_G

ClientSampled :

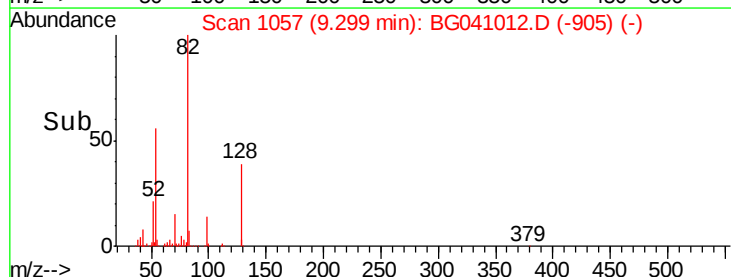
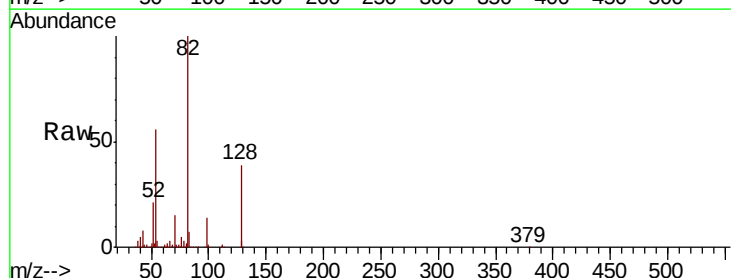
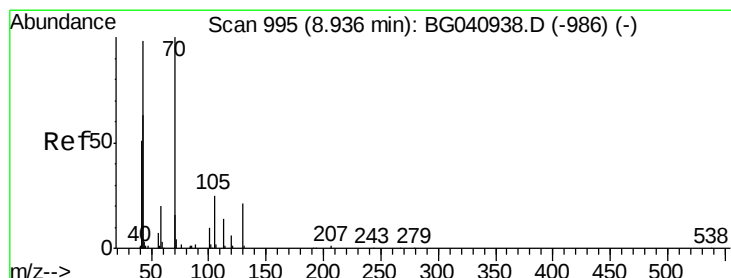
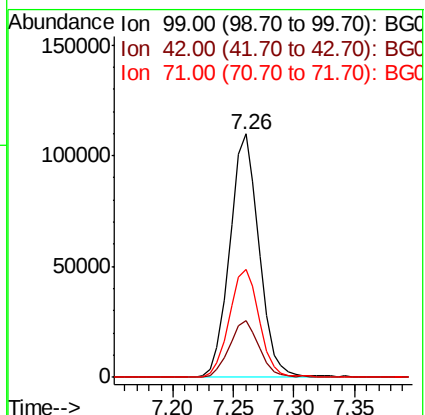
Tot Ion: 99 Resp: 185515

Ion Ratio Lower Upper

99 100

42 23.3 17.9 26.9

71 44.5 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.777 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG041012.D

Acq: 1 Jun 2019 14:54

Tgt Ion: 70 Resp: 70018

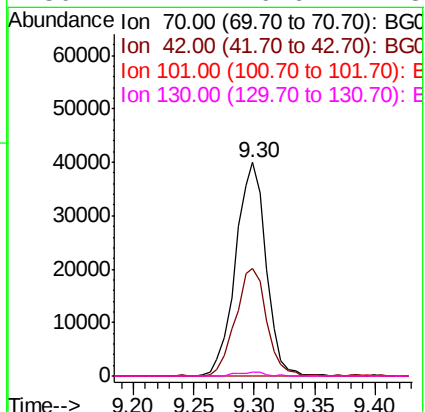
Ion Ratio Lower Upper

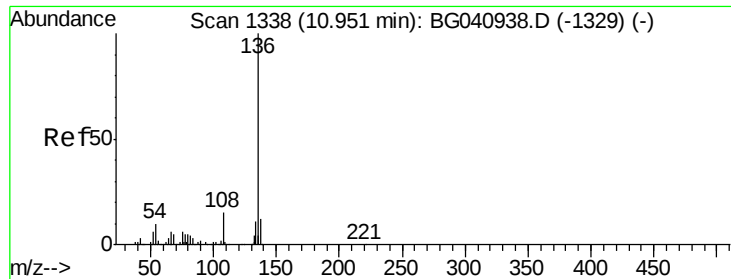
70 100

42 50.6 51.5 77.3#

101 0.0 8.1 12.1#

130 1.7 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.94 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BG041012.D

Acq: 1 Jun 2019 14:54

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 240975

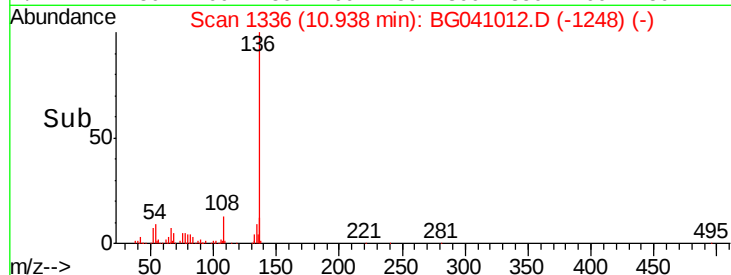
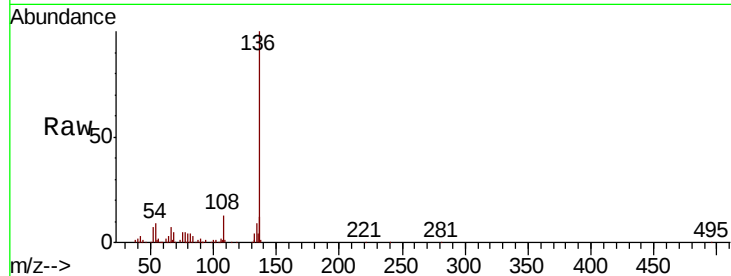
Ion Ratio Lower Upper

136 100

137 12.3 9.5 14.3

54 8.7 7.6 11.4

68 4.8 3.9 5.9

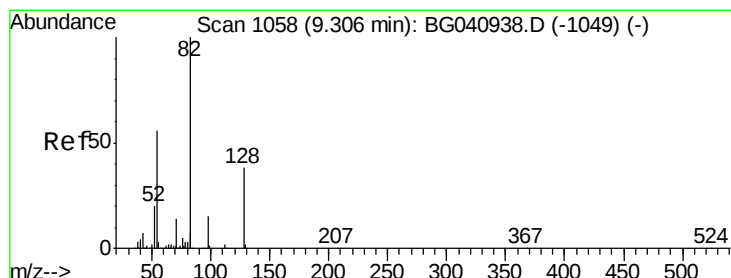
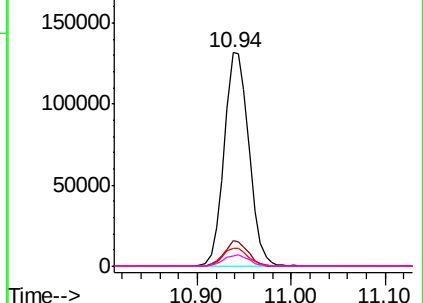


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.413 ng

RT: 9.30 min Scan# 1057

Delta R.T. -0.01 min

Lab File: BG041012.D

Acq: 1 Jun 2019 14:54

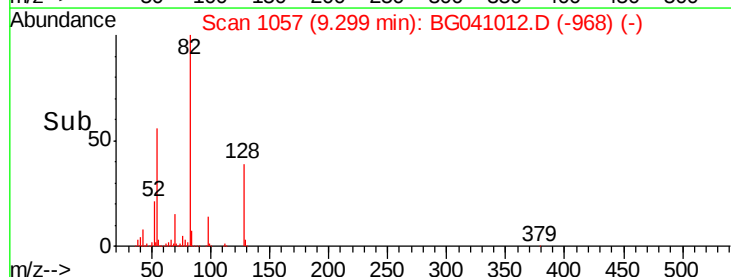
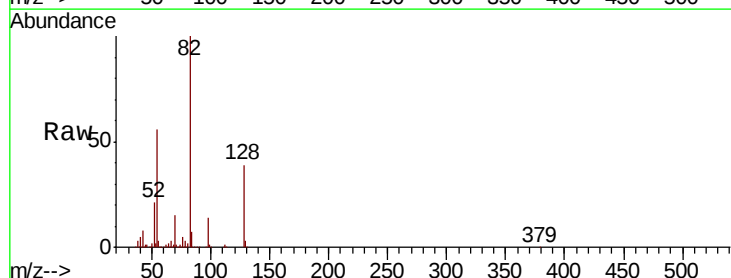
Tgt Ion: 82 Resp: 485346

Ion Ratio Lower Upper

82 100

128 39.1 30.5 45.7

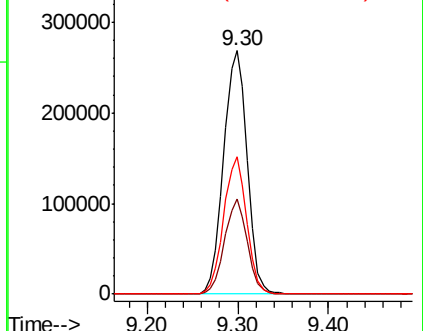
54 56.3 44.6 66.8

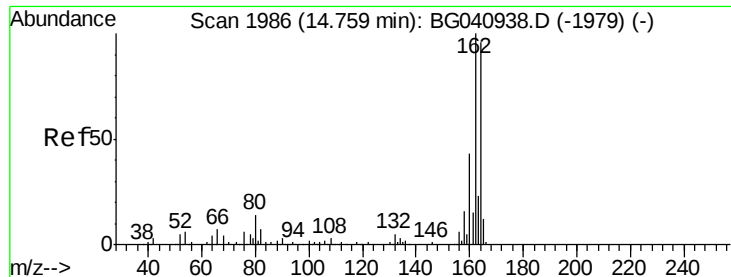


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BG041012.D

Acq: 1 Jun 2019 14:54

Instrument :

BNA_G

ClientSampleId :

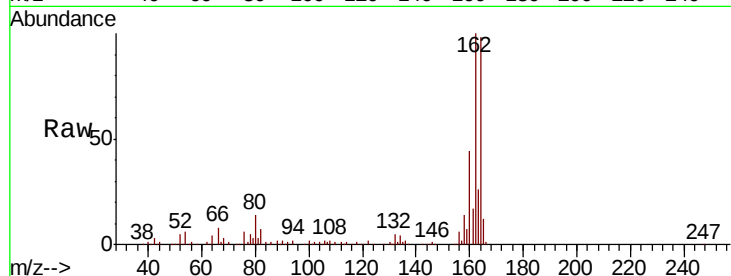
Tot Ion:164 Resp: 173774

Ion Ratio Lower Upper

164 100

162 102.4 83.0 124.4

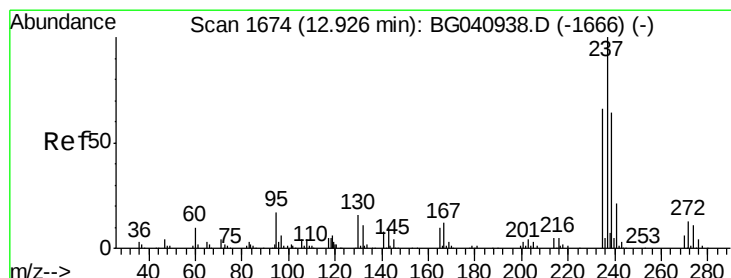
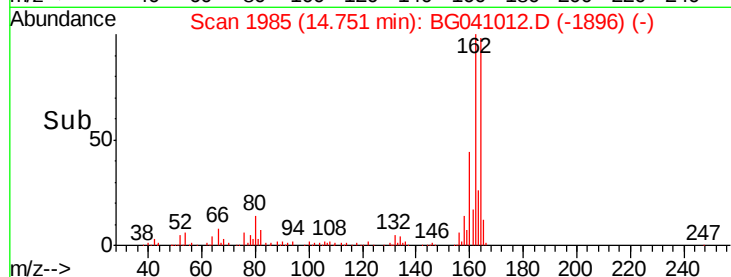
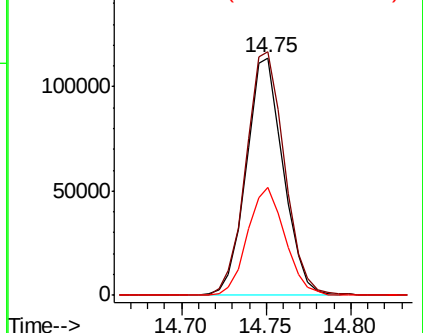
160 45.5 35.6 53.4



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



#41

Hexachlorocyclopentadiene

Concen: 8.254 ng

RT: 12.61 min Scan# 1620

Delta R.T. -0.32 min

Lab File: BG041012.D

Acq: 1 Jun 2019 14:54

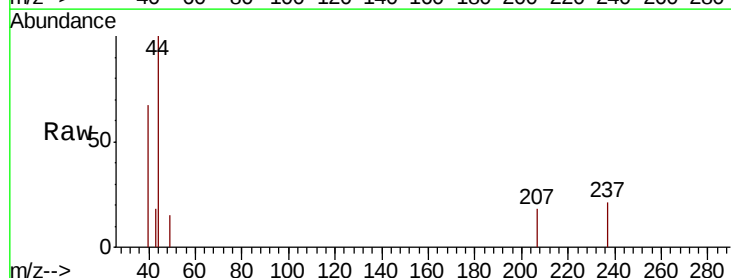
Tgt Ion:237 Resp: 78

Ion Ratio Lower Upper

237 100

235 0.0 45.5 85.5#

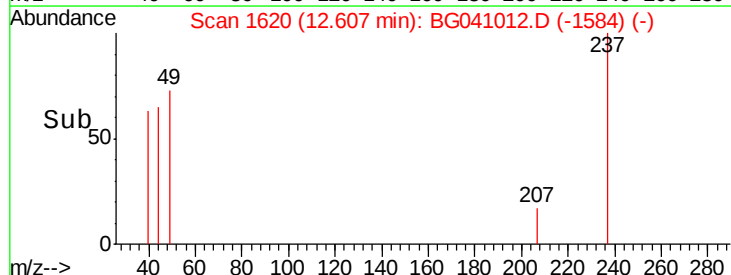
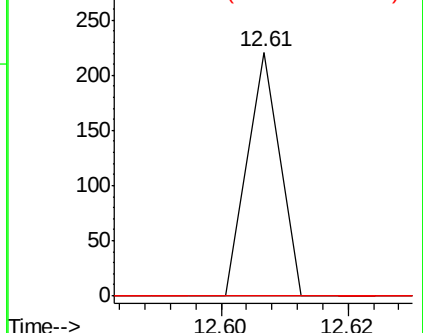
272 0.0 0.0 32.9

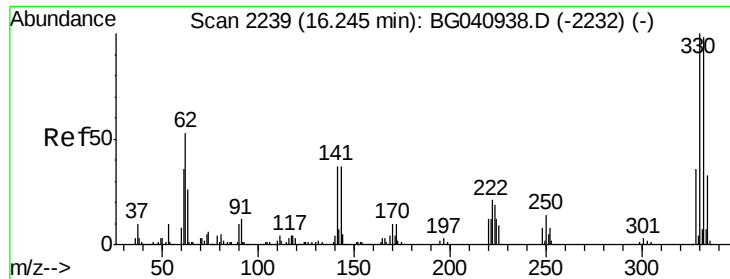


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

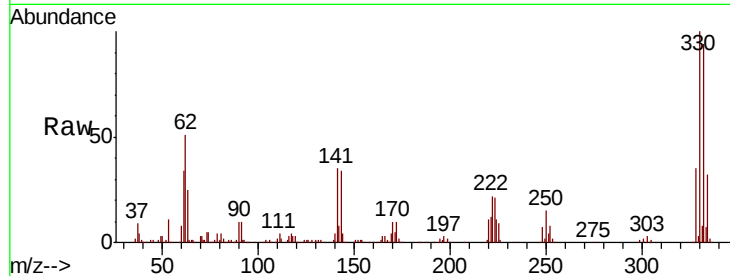




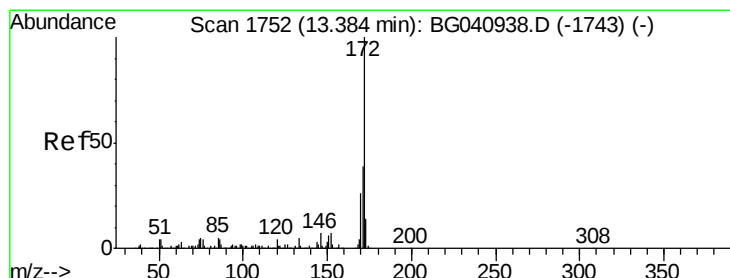
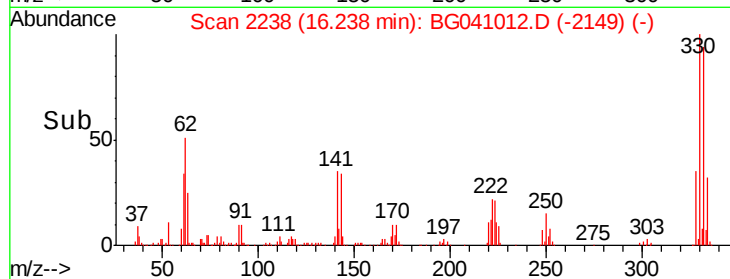
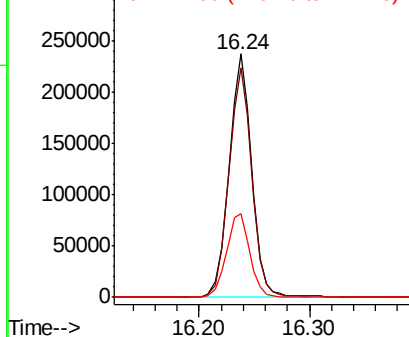
#42
 2,4,6-Tribromophenol
 Concen: 131.838 ng
 RT: 16.24 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: BG041012.D
 Acq: 1 Jun 2019 14:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 340114
 Ion Ratio Lower Upper
 330 100
 332 96.0 78.5 117.7
 141 35.5 28.7 43.1

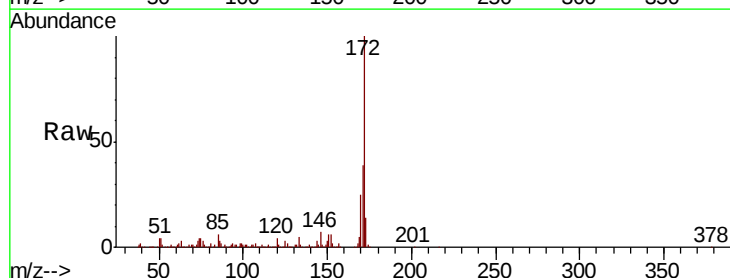


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

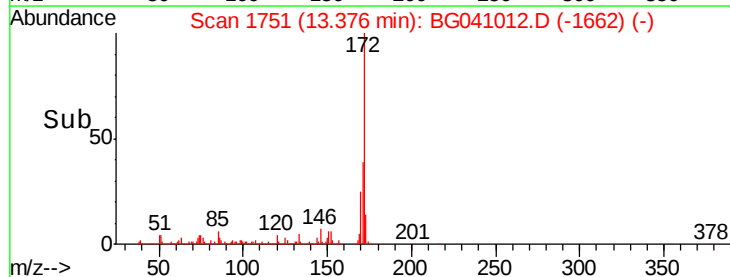
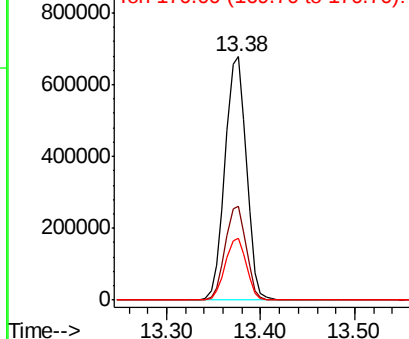


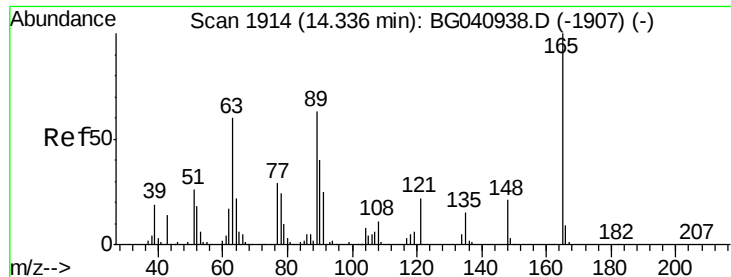
#45
 2-Fluorobiphenyl
 Concen: 89.326 ng
 RT: 13.38 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BG041012.D
 Acq: 1 Jun 2019 14:54

Tgt Ion:172 Resp: 1077869
 Ion Ratio Lower Upper
 172 100
 171 38.5 31.1 46.7
 170 25.3 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

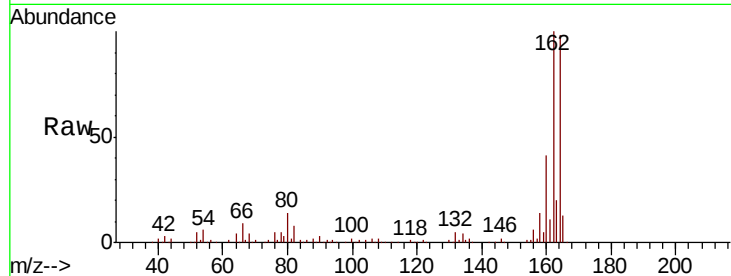




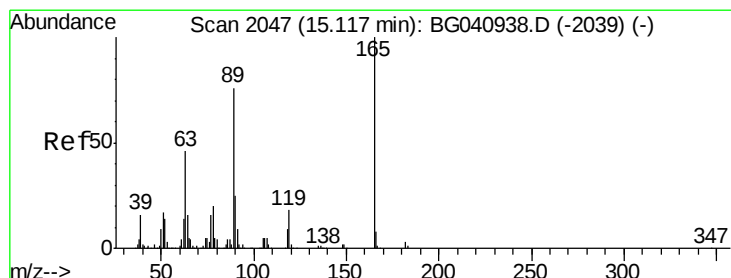
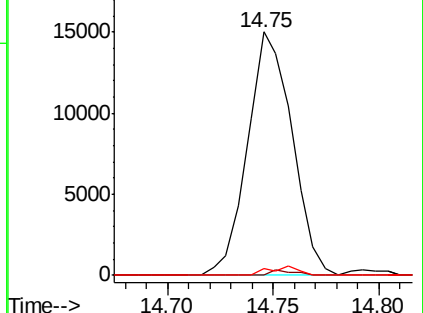
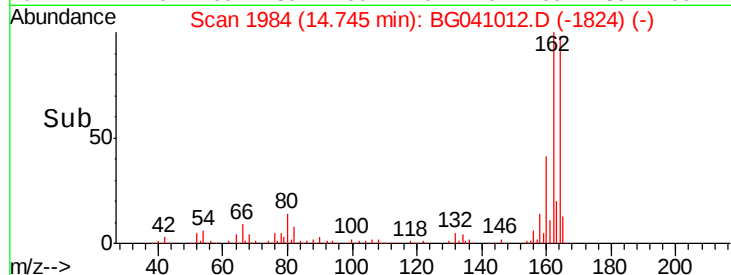
#51
 2,6-Dinitrotoluene
 Concen: 6.926 ng
 RT: 14.75 min Scan# 1984
 Delta R.T. 0.41 min
 Lab File: BG041012.D
 Acq: 1 Jun 2019 14:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 21968
 Ion Ratio Lower Upper
 165 100
 63 0.0 53.6 80.4#
 89 2.6 50.4 75.6#

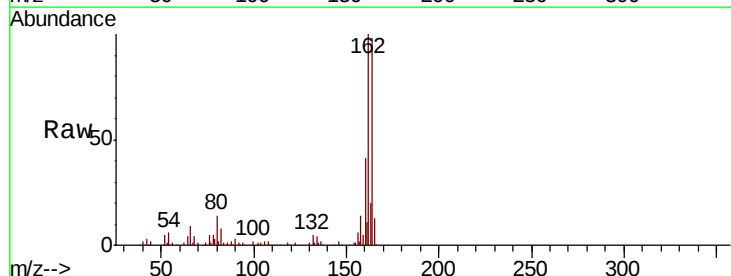


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

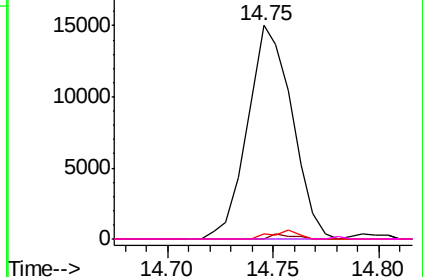
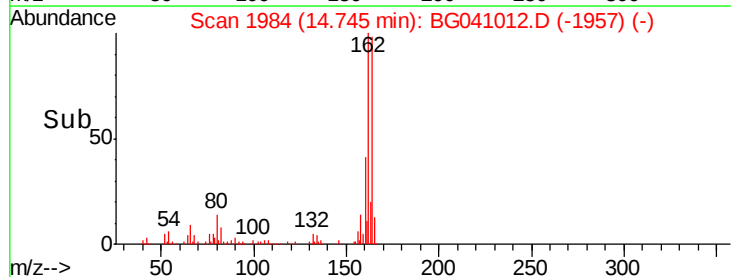


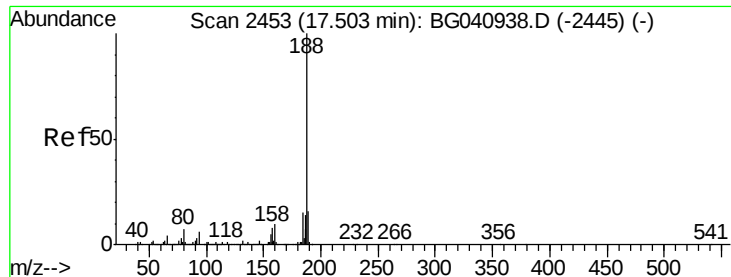
#57
 2,4-Dinitrotoluene
 Concen: 4.903 ng
 RT: 14.75 min Scan# 1984
 Delta R.T. -0.37 min
 Lab File: BG041012.D
 Acq: 1 Jun 2019 14:54

Tgt Ion:165 Resp: 21968
 Ion Ratio Lower Upper
 165 100
 63 0.0 37.3 55.9#
 89 2.6 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: 17.50 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG041012.D

Acq: 1 Jun 2019 14:54

Instrument :

BNA_G

ClientSampleId :

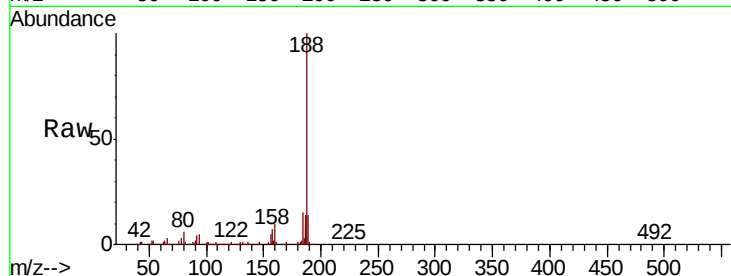
Tot Ion:188 Resp: 426878

Ion Ratio Lower Upper

188 100

94 5.4 4.7 7.1

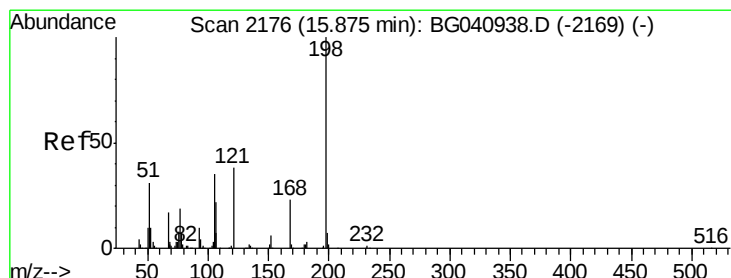
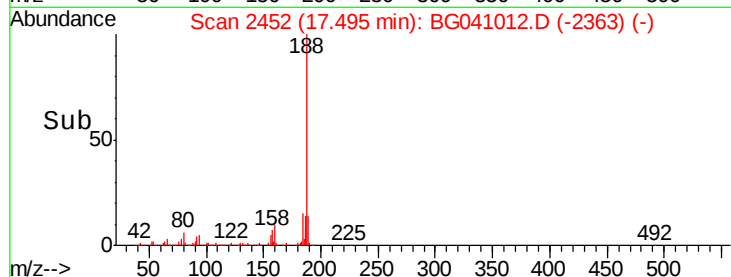
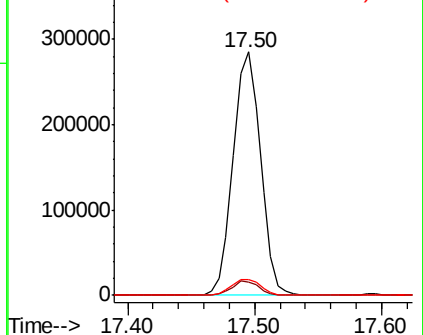
80 6.5 5.8 8.8



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: 8.611 ng

RT: 16.16 min Scan# 2225

Delta R.T. 0.29 min

Lab File: BG041012.D

Acq: 1 Jun 2019 14:54

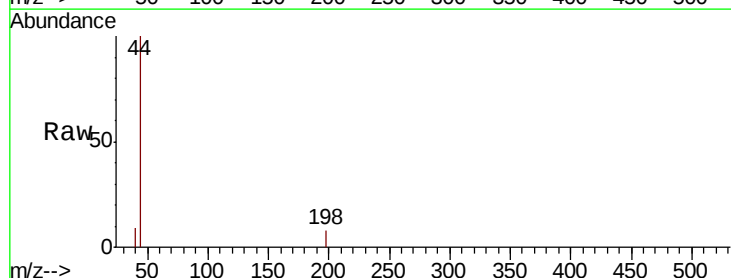
Tgt Ion:198 Resp: 59

Ion Ratio Lower Upper

198 100

51 0.0 21.6 61.6#

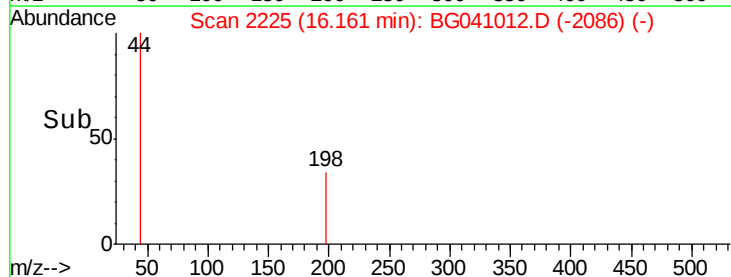
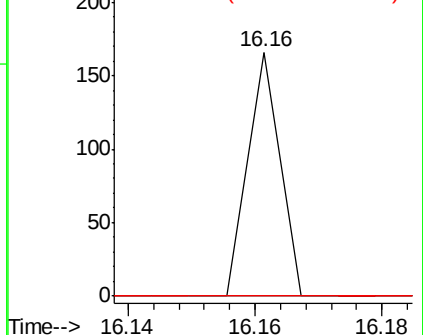
105 0.0 17.5 57.5#

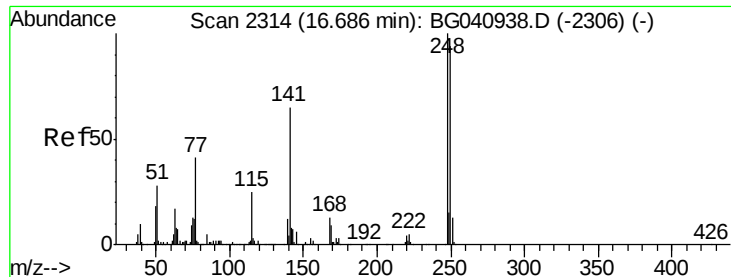


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

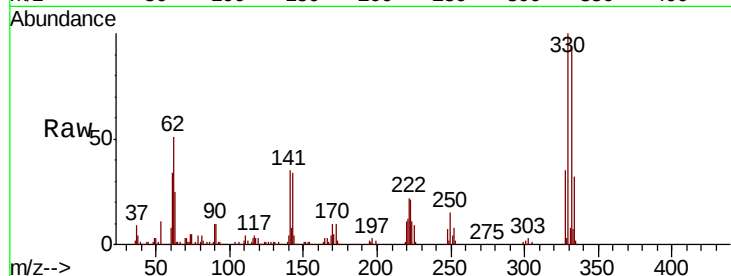




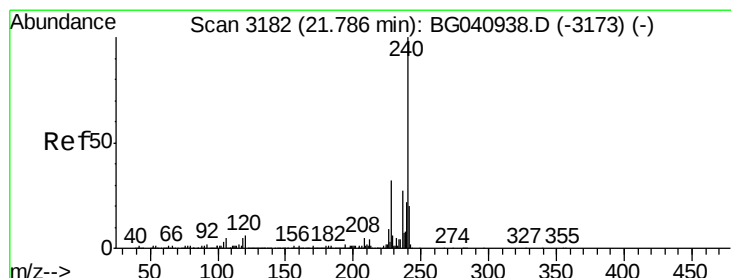
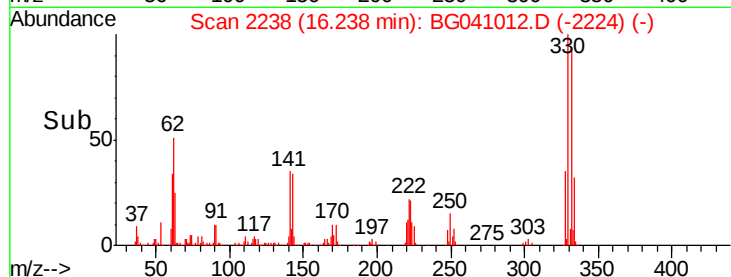
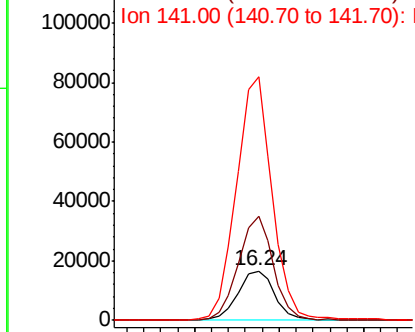
#67
4-Bromophenyl-phenylether
Concen: 4.383 ng
RT: 16.24 min Scan# 2238
Delta R.T. -0.45 min
Lab File: BG041012.D
Acq: 1 Jun 2019 14:54

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 25248
Ion Ratio Lower Upper
248 100
250 212.1 75.0 112.4#
141 496.2 52.4 78.6#

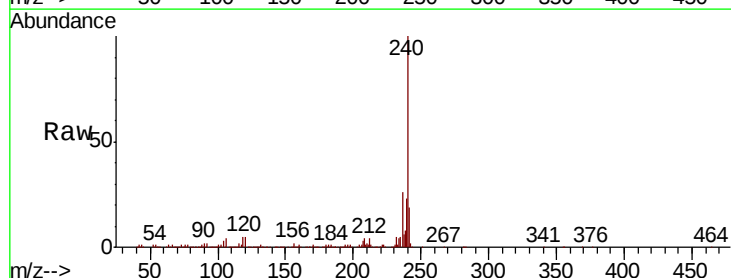


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

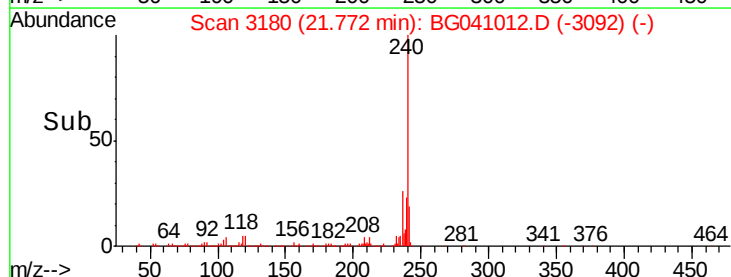
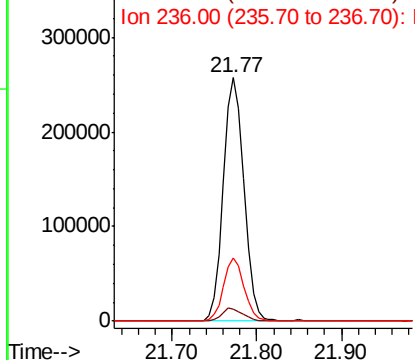


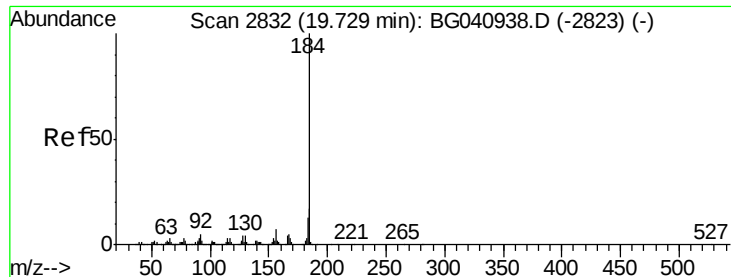
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3180
Delta R.T. -0.01 min
Lab File: BG041012.D
Acq: 1 Jun 2019 14:54

Tgt Ion:240 Resp: 436753
Ion Ratio Lower Upper
240 100
120 4.7 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: 3.133 ng

RT: 20.09 min Scan# 2894

Delta R.T. 0.36 min

Lab File: BG041012.D

Acq: 1 Jun 2019 14:54

Instrument :

BNA_G

ClientSampleId :

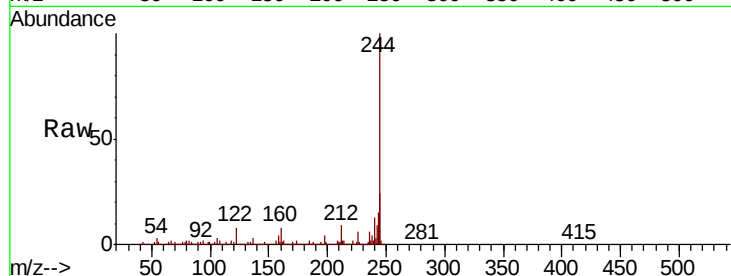
Tot Ion:184 Resp: 32643

Ion Ratio Lower Upper

184 100

185 14.6 13.3 19.9

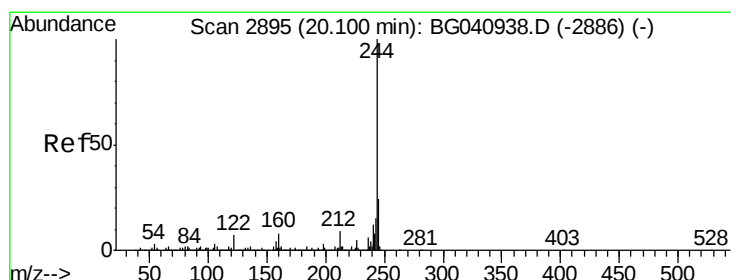
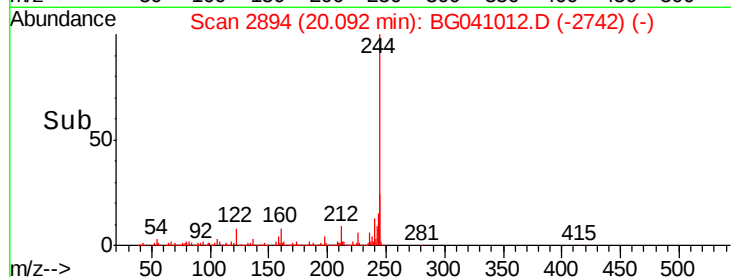
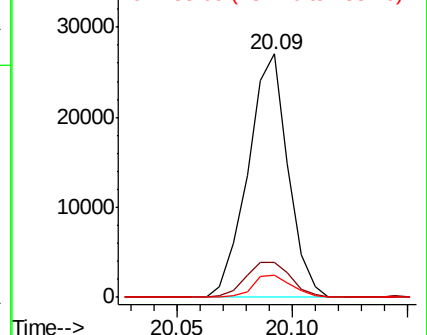
183 9.1 10.7 16.1#



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: 89.641 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG041012.D

Acq: 1 Jun 2019 14:54

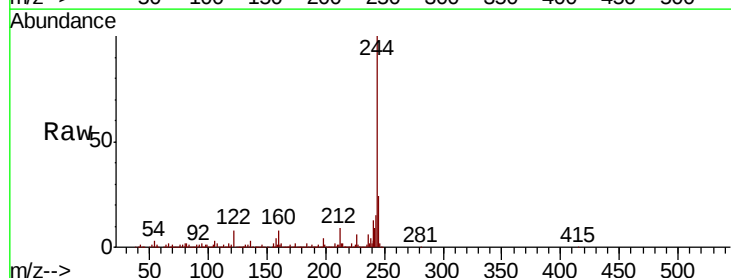
Tgt Ion:244 Resp: 1844713

Ion Ratio Lower Upper

244 100

212 9.3 7.0 10.4

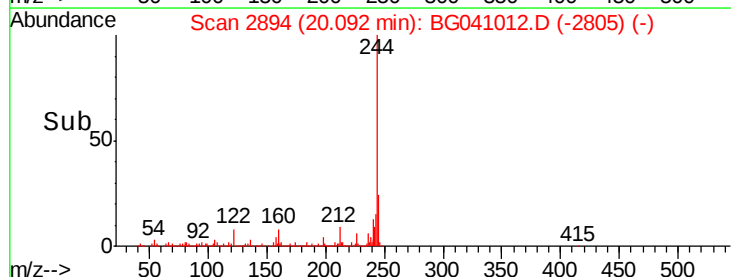
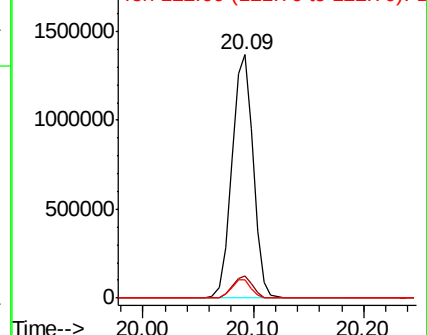
122 7.6 5.4 8.0

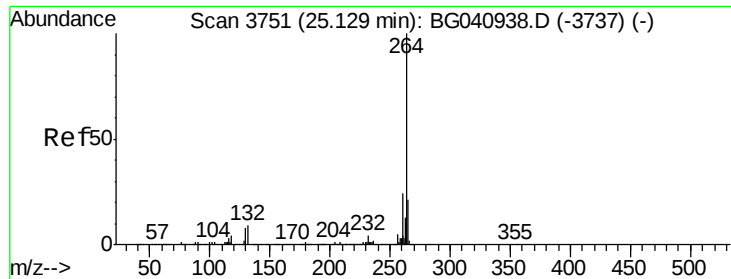


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

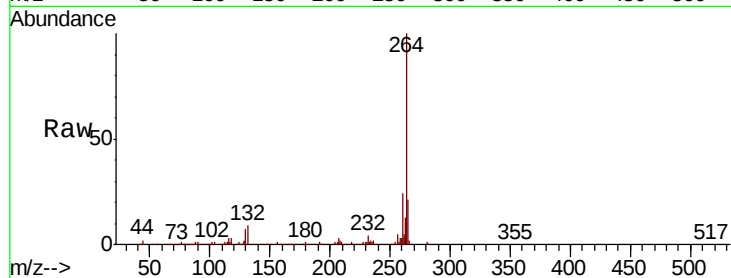




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.12 min Scan# 3749
 Delta R.T. -0.01 min
 Lab File: BG041012.D
 Acq: 1 Jun 2019 14:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	454099
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	21.0	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

