

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060319\
 Data File : BG041044.D
 Acq On : 3 Jun 2019 21:19
 Operator : HP/JU
 Sample : K3138-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-08-COMP

Quant Time: Jun 04 08:06:35 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

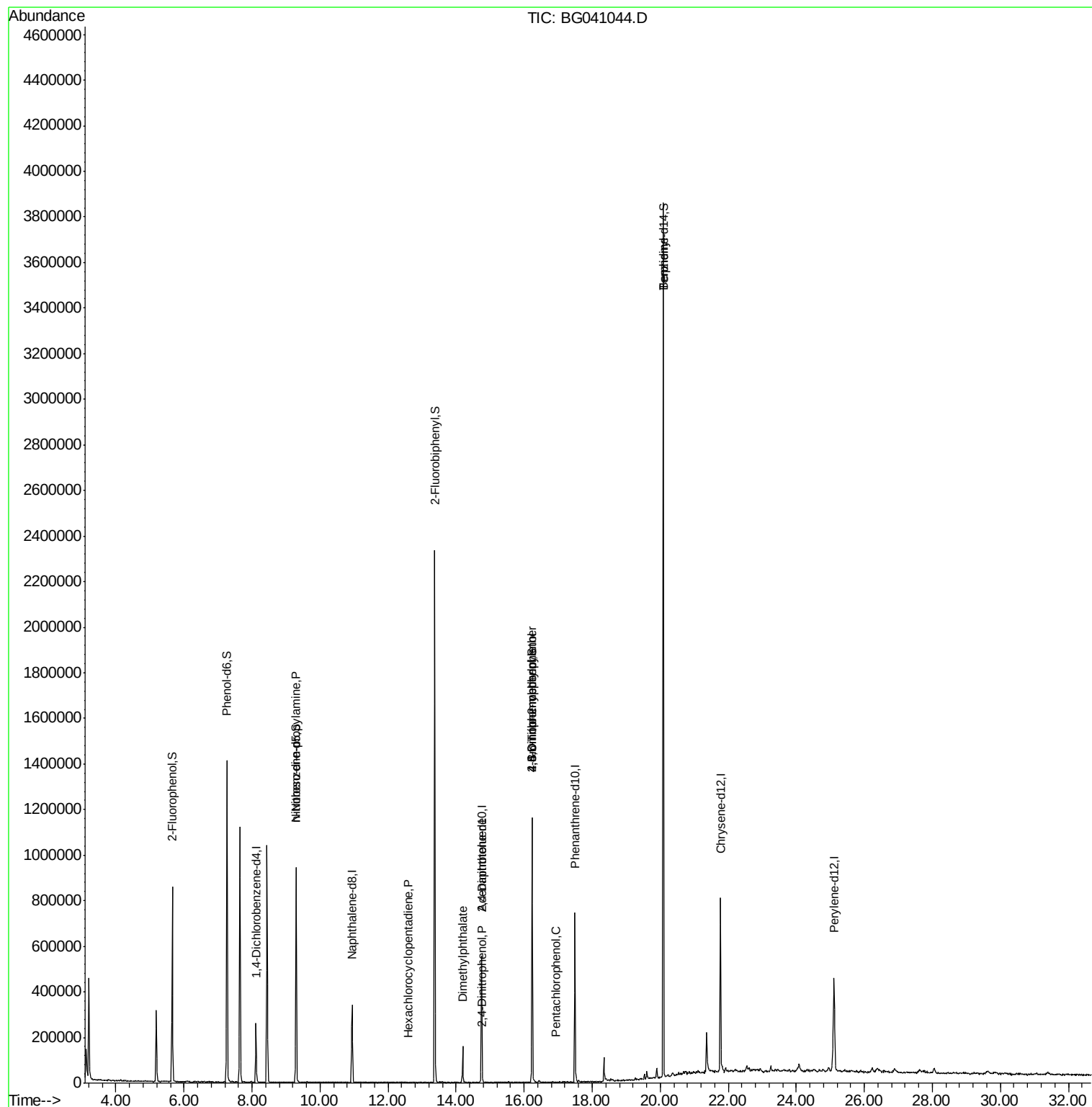
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	70419	20.00	ng	-0.01
21) Naphthalene-d8	10.94	136	274424	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	191626	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	455722	20.00	ng	0.00
76) Chrysene-d12	21.77	240	443939	20.00	ng	-0.01
87) Perylene-d12	25.11	264	471565	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	329609	84.40	ng	0.00
7) Phenol-d6	7.26	99	726195	120.41	ng	0.00
23) Nitrobenzene-d5	9.30	82	564076	91.25	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	220144	77.38	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	1198009	90.03	ng	0.00
79) Terphenyl-d14	20.09	244	1698811	81.22	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.30	70	78723	16.961	ng	# 77
41) Hexachlorocyclopentadiene	12.59	237	53	8.247	ng	# 26
50) Dimethylphthalate	14.19	163	103280	6.367	ng	# 99
54) 2,4-Dinitrophenol	14.78	184	53	8.287	ng	# 18
57) 2,4-Dinitrotoluene	14.75	165	25867	5.236	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.24	198	776	8.850	ng	# 1
67) 4-Bromophenyl-phenylether	16.24	248	16588	2.697	ng	# 1
70) Pentachlorophenol	16.93	266	64	4.273	ng	# 18
77) Benzidine	20.09	184	30814	2.910	ng	# 96

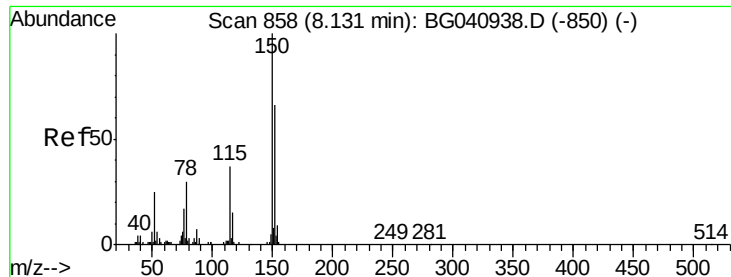
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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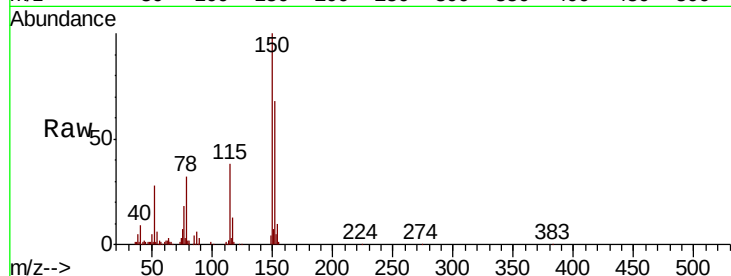


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG041044.D
Acq: 3 Jun 2019 21:19

Instrument :
BNA_G
ClientSampleId :
B-08-COMP

Tgt Ion	Ratio	Lower	Upper
152	100		
150	147.9	120.6	180.8
115	56.6	45.1	67.7

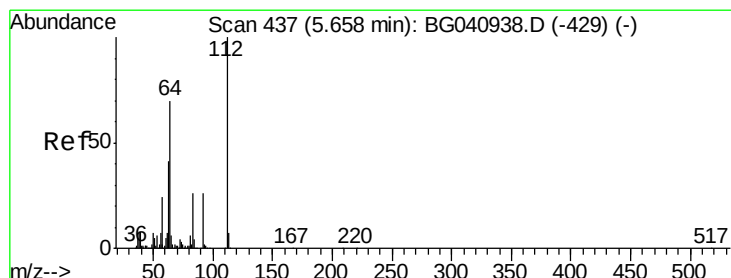
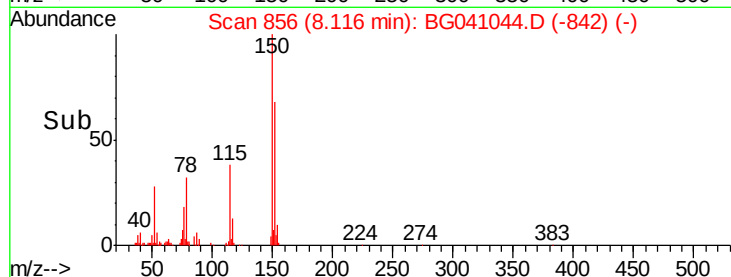
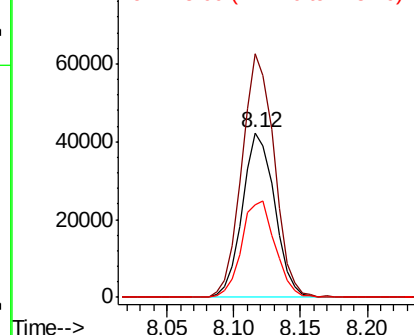


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

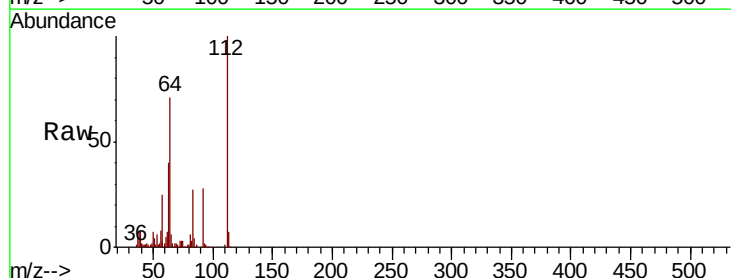
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 84.403 ng
RT: 5.65 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG041044.D
Acq: 3 Jun 2019 21:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.4	56.2	84.2
63	39.9	32.8	49.2

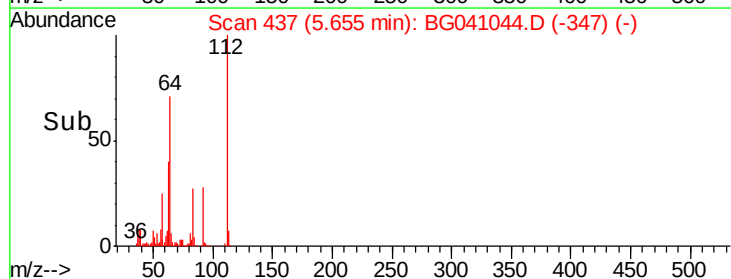
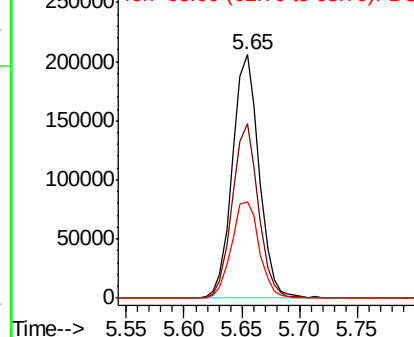


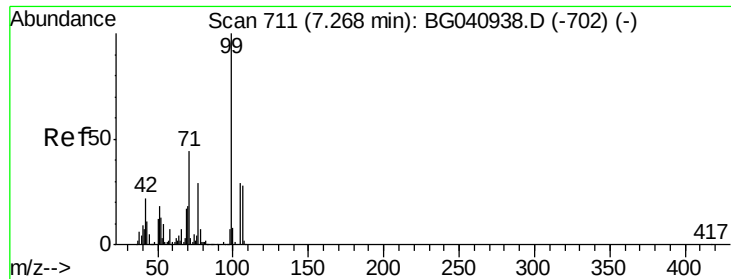
Abundance

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: 120.407 ng

RT: 7.26 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG041044.D

Acq: 3 Jun 2019 21:19

Instrument :

BNA_G

ClientSampleId :

B-08-COMP

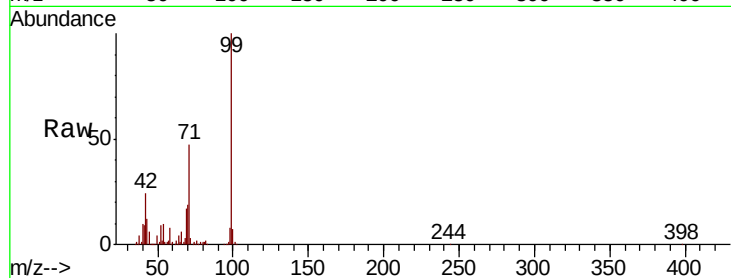
Tgt Ion: 99 Resp: 726195

Ion Ratio Lower Upper

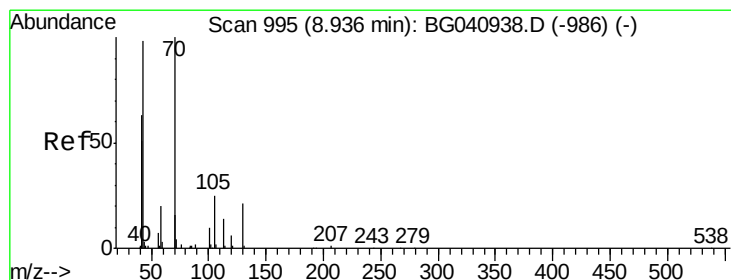
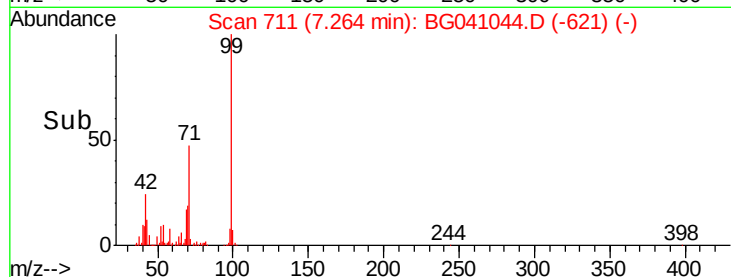
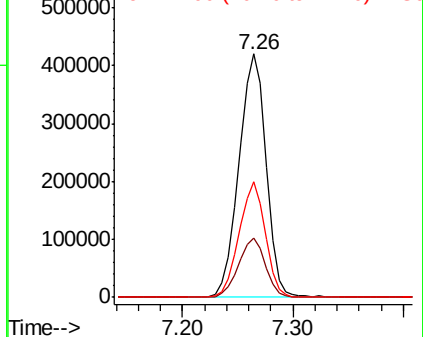
99 100

42 24.2 17.9 26.9

71 47.4 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: 16.961 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG041044.D

Acq: 3 Jun 2019 21:19

Tgt Ion: 70 Resp: 78723

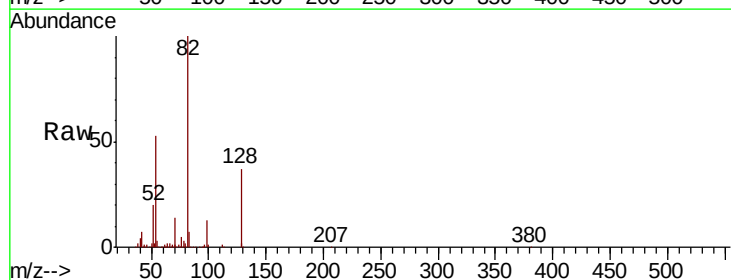
Ion Ratio Lower Upper

70 100

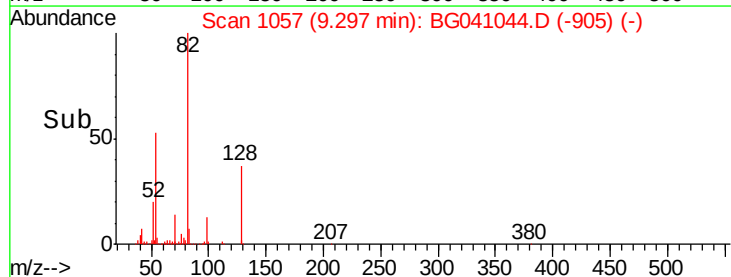
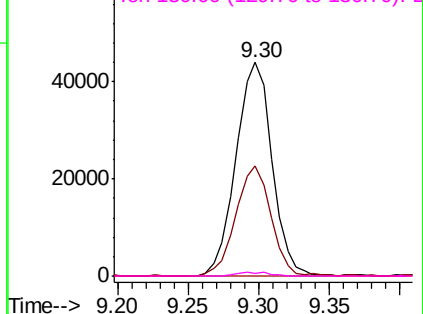
42 51.3 51.5 77.3#

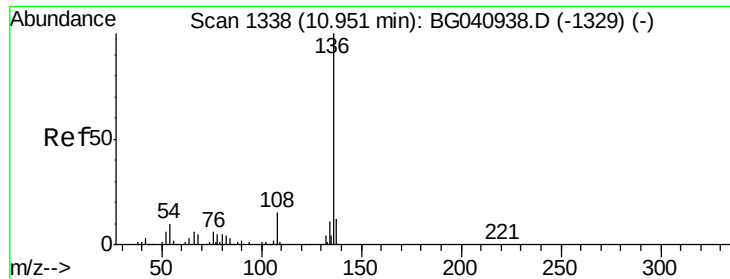
101 0.0 8.1 12.1#

130 1.4 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

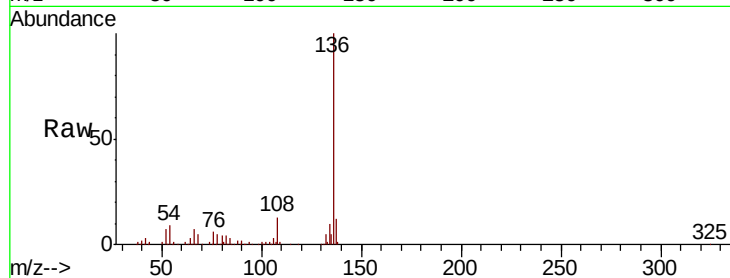




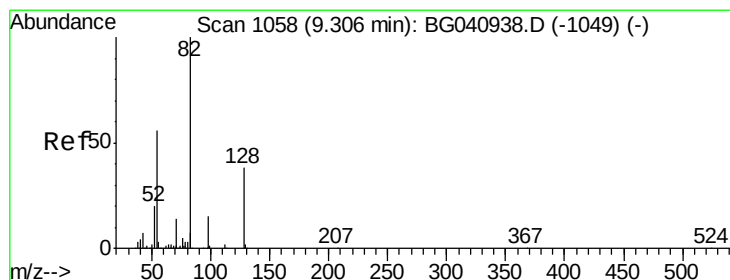
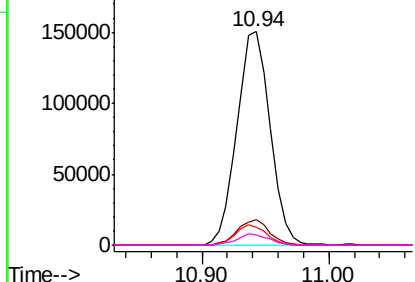
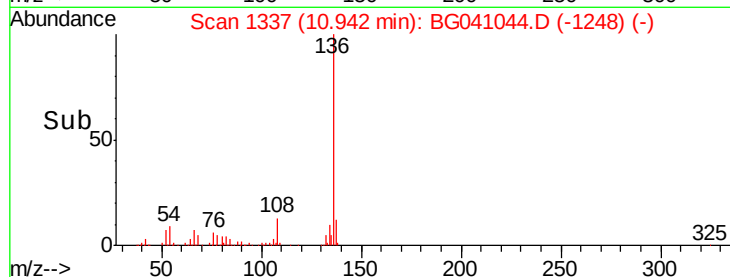
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG041044.D
Acq: 3 Jun 2019 21:19

Instrument :
BNA_G
ClientSampleId :
B-08-COMP

Tgt Ion:	136	Resp:	274424
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.5	14.3
54	8.6	7.6	11.4
68	4.9	3.9	5.9

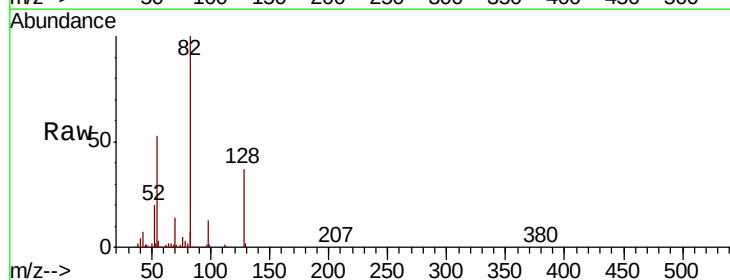


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

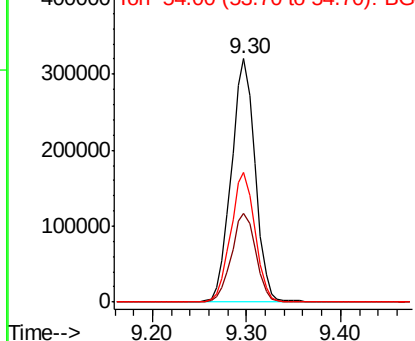
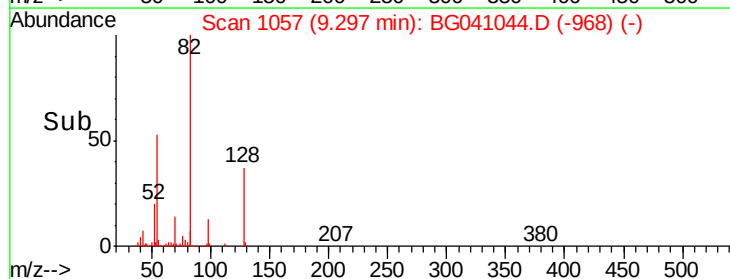


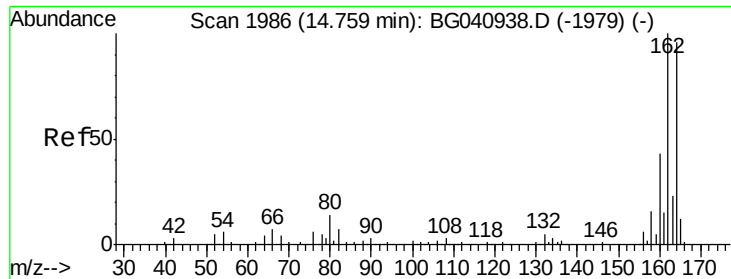
#23
Nitrobenzene-d5
Concen: 91.251 ng
RT: 9.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG041044.D
Acq: 3 Jun 2019 21:19

Tgt Ion:	82	Resp:	564076
Ion	Ratio	Lower	Upper
82	100		
128	36.5	30.5	45.7
54	53.5	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: BG041044.D

Acq: 3 Jun 2019 21:19

Instrument :

BNA_G

ClientSampleId :

B-08-COMP

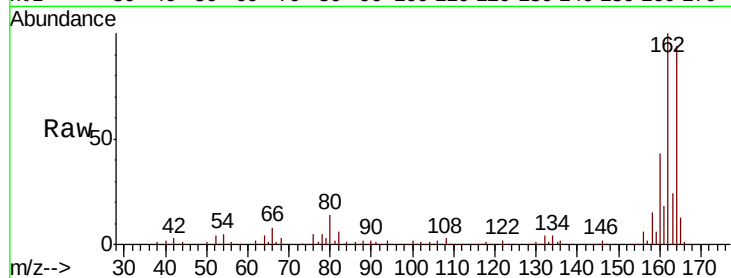
Tgt Ion:164 Resp: 191626

Ion Ratio Lower Upper

164 100

162 106.8 83.0 124.4

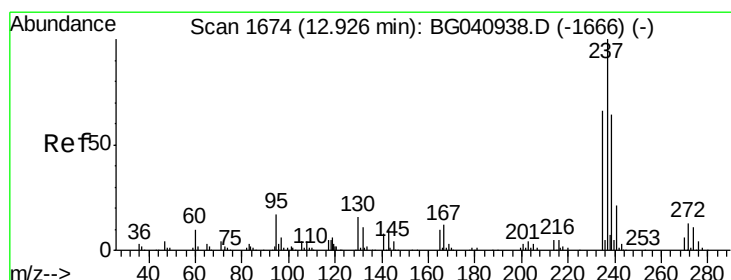
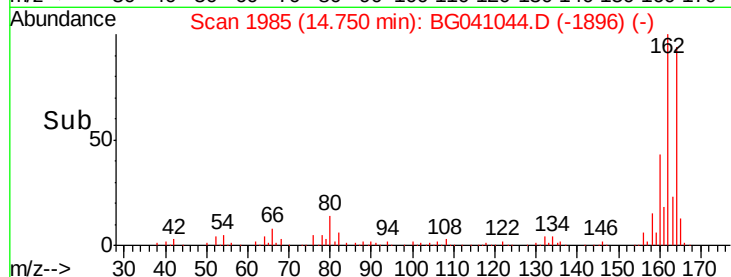
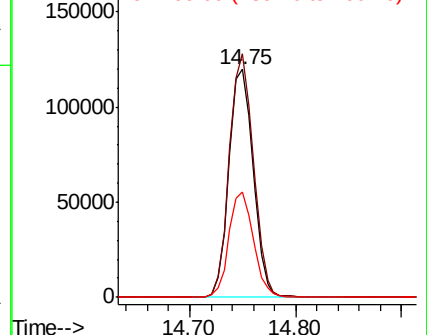
160 46.4 35.6 53.4



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: 8.247 ng

RT: 12.59 min Scan# 1617

Delta R.T. -0.34 min

Lab File: BG041044.D

Acq: 3 Jun 2019 21:19

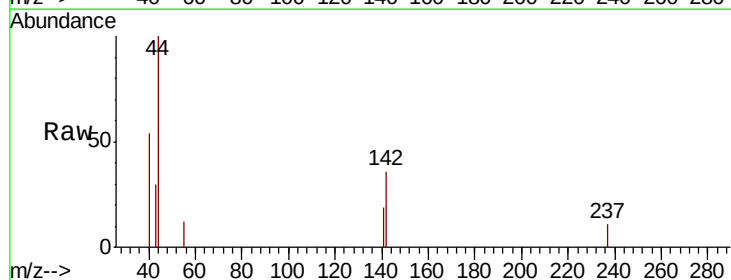
Tgt Ion:237 Resp: 53

Ion Ratio Lower Upper

237 100

235 0.0 45.5 85.5#

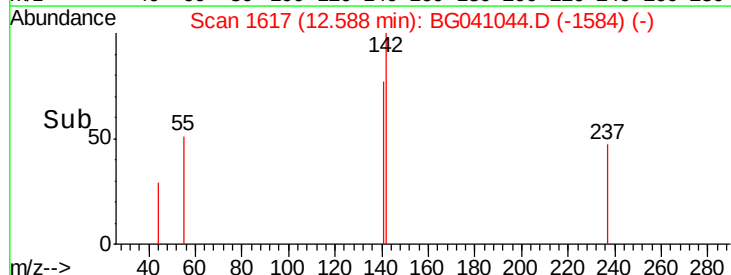
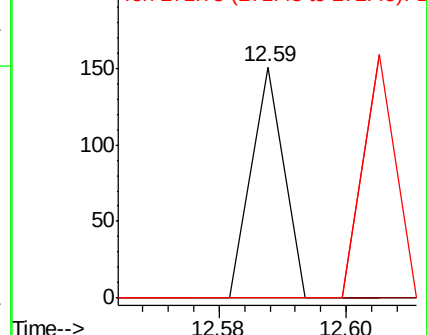
272 0.0 0.0 32.9

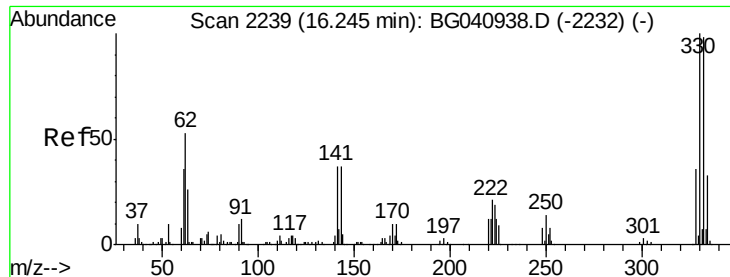


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#42

2,4,6-Tribromophenol

Concen: 77.384 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG041044.D

Acq: 3 Jun 2019 21:19

Instrument :

BNA_G

ClientSampleId :

B-08-COMP

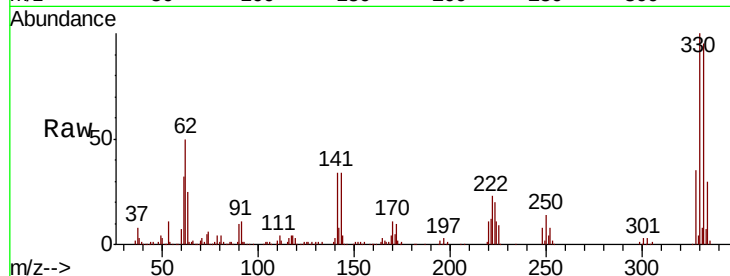
Tgt Ion:330 Resp: 220144

Ion Ratio Lower Upper

330 100

332 97.0 78.5 117.7

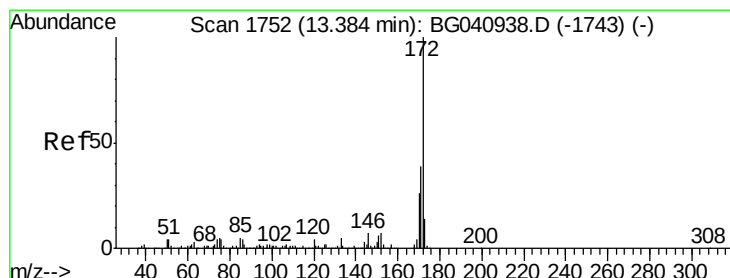
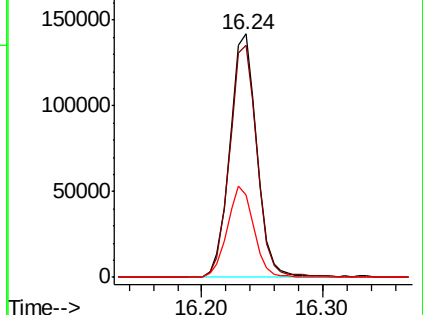
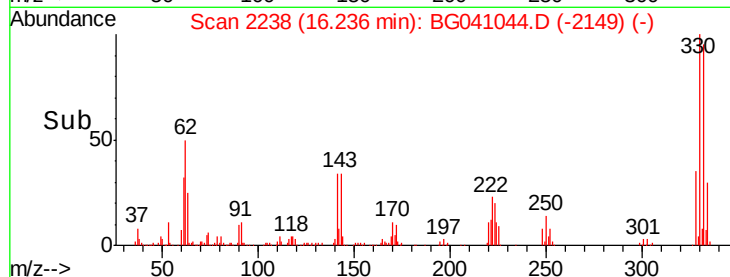
141 37.0 28.7 43.1



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: 90.033 ng

RT: 13.37 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BG041044.D

Acq: 3 Jun 2019 21:19

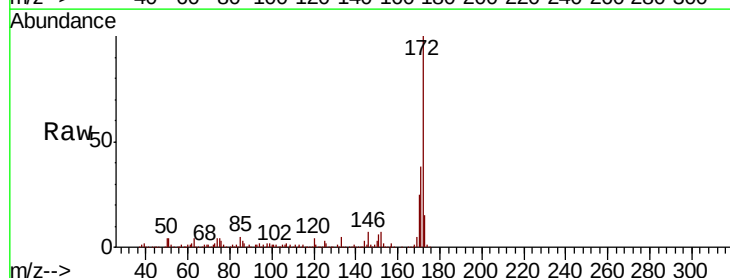
Tgt Ion:172 Resp: 1198009

Ion Ratio Lower Upper

172 100

171 38.3 31.1 46.7

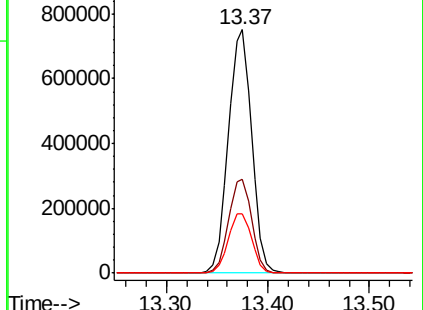
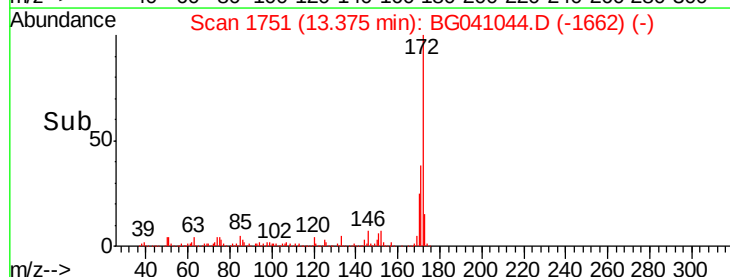
170 24.6 20.5 30.7

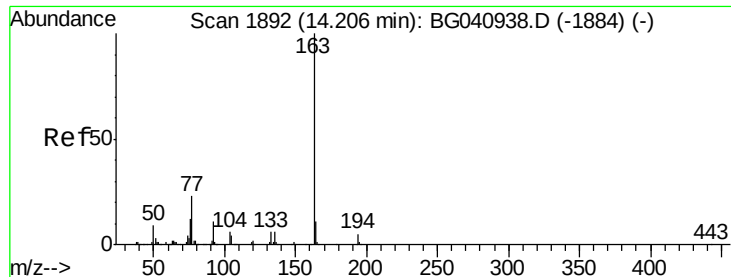


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 6.367 ng

RT: 14.19 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BG041044.D

Acq: 3 Jun 2019 21:19

Instrument :

BNA_G

ClientSampleId :

B-08-COMP

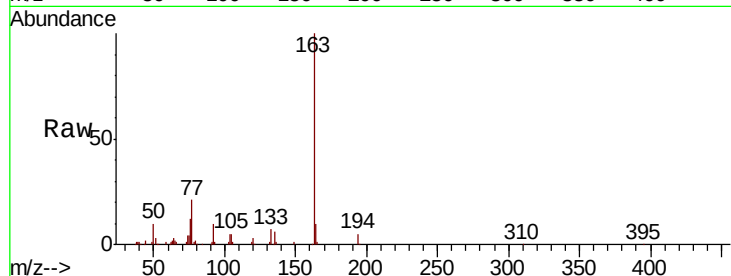
Tgt Ion:163 Resp: 103280

Ion Ratio Lower Upper

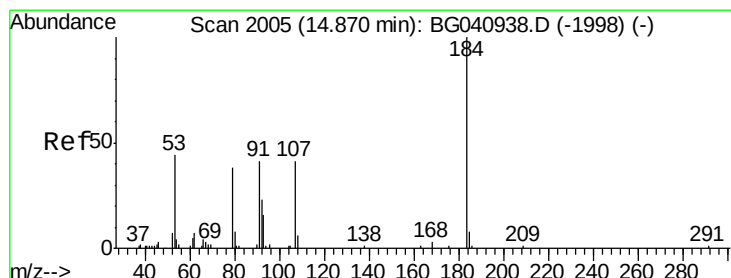
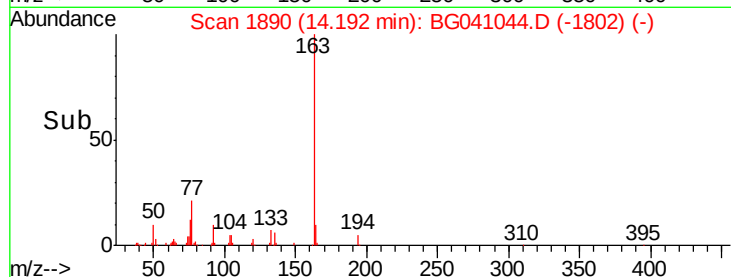
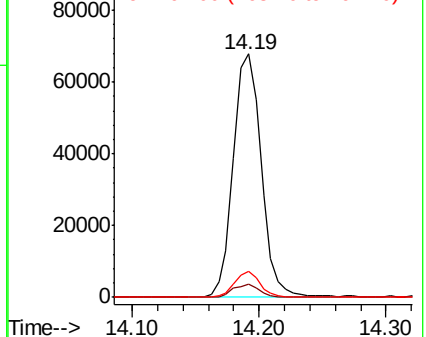
163 100

194 5.4 3.8 5.8

164 10.5 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#54

2,4-Dinitrophenol

Concen: 8.287 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.09 min

Lab File: BG041044.D

Acq: 3 Jun 2019 21:19

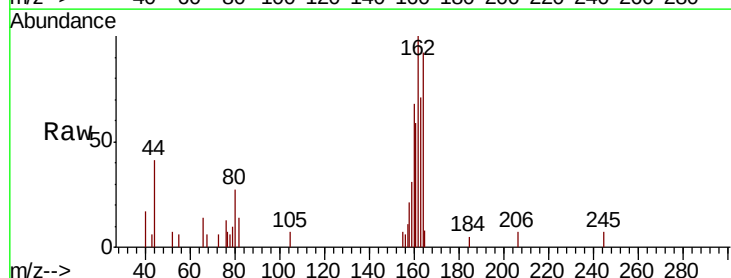
Tgt Ion:184 Resp: 53

Ion Ratio Lower Upper

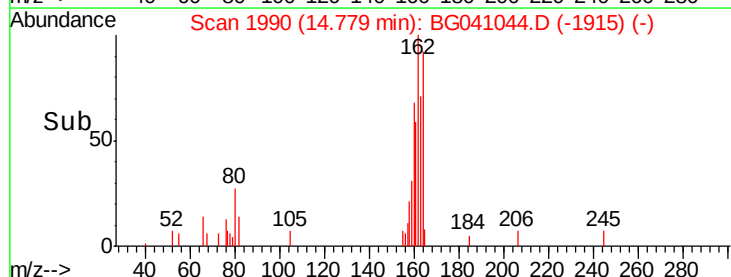
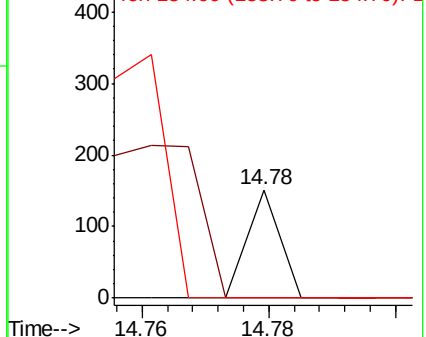
184 100

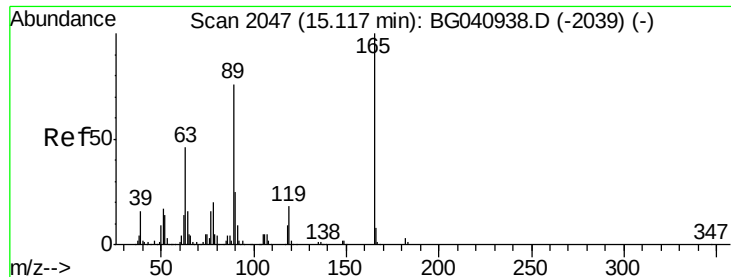
63 0.0 49.8 74.6#

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

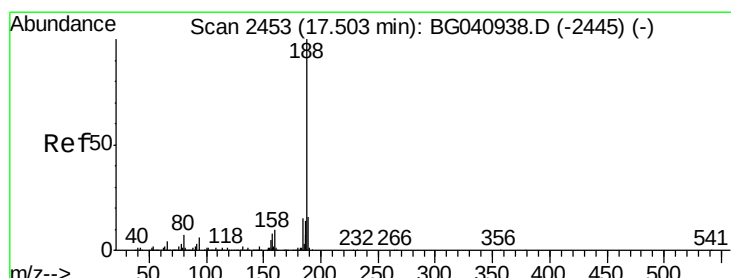
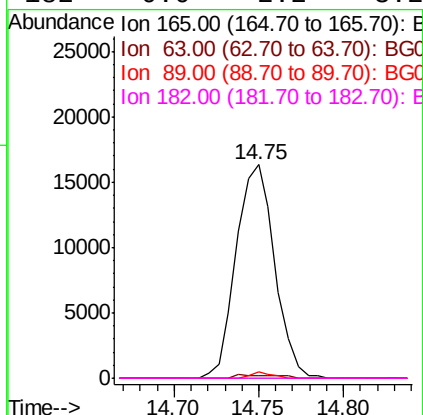
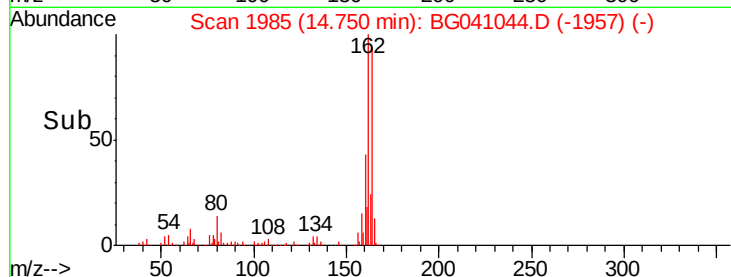
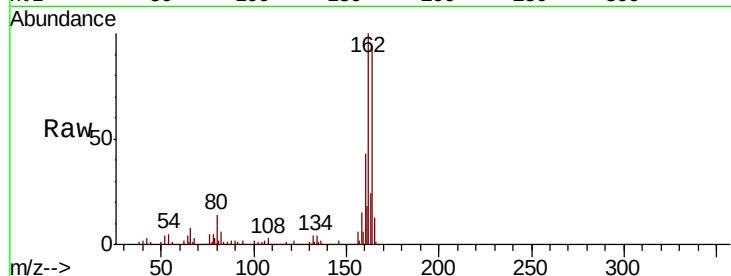




#57
 2,4-Dinitrotoluene
 Concen: 5.236 ng
 RT: 14.75 min Scan# 1985
 Delta R.T. -0.37 min
 Lab File: BG041044.D
 Acq: 3 Jun 2019 21:19

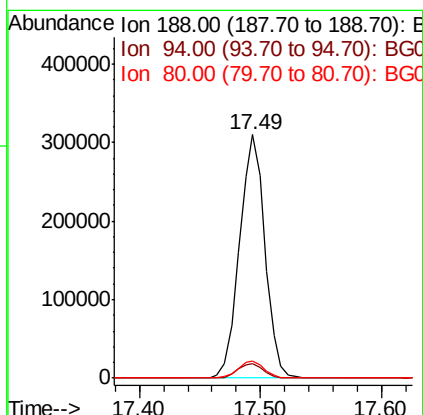
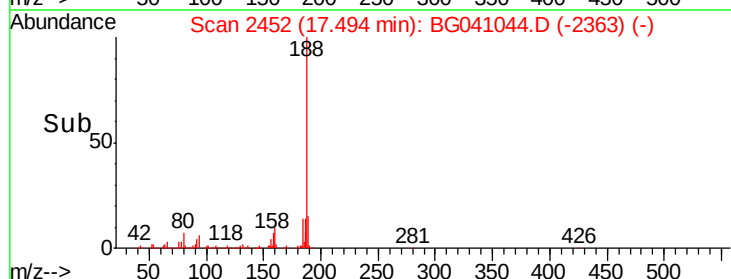
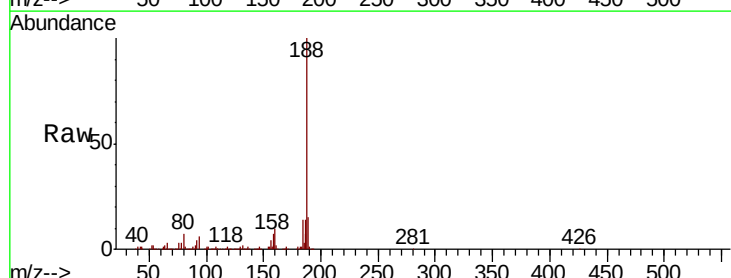
Instrument :
 BNA_G
 ClientSampleId :
 B-08-COMP

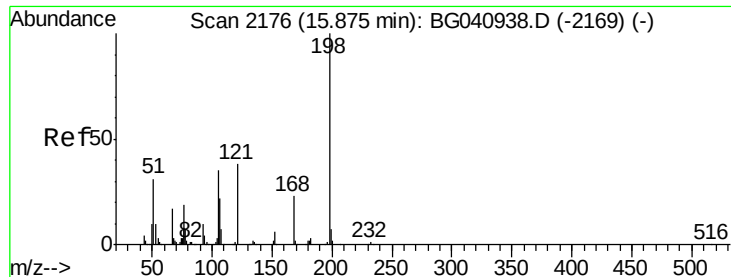
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	37.3	55.9#
89	3.3	61.0	91.6#
182	0.0	2.2	3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.49 min Scan# 2452
 Delta R.T. -0.01 min
 Lab File: BG041044.D
 Acq: 3 Jun 2019 21:19

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.7	4.7	7.1
80	7.2	5.8	8.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.850 ng

RT: 16.24 min Scan# 2238

Delta R.T. 0.36 min

Lab File: BG041044.D

Acq: 3 Jun 2019 21:19

Instrument :

BNA_G

ClientSampleId :

B-08-COMP

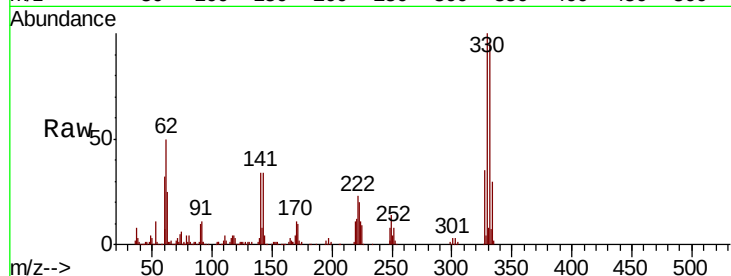
Tgt Ion:198 Resp: 776

Ion Ratio Lower Upper

198 100

51 148.9 21.6 61.6#

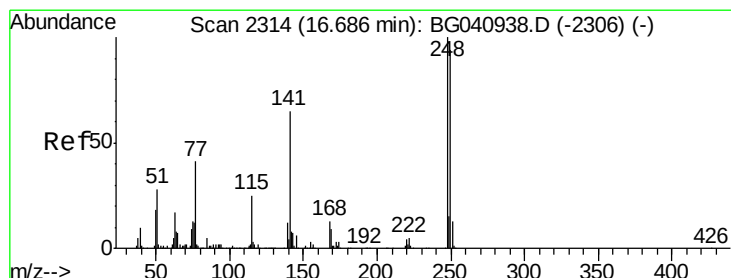
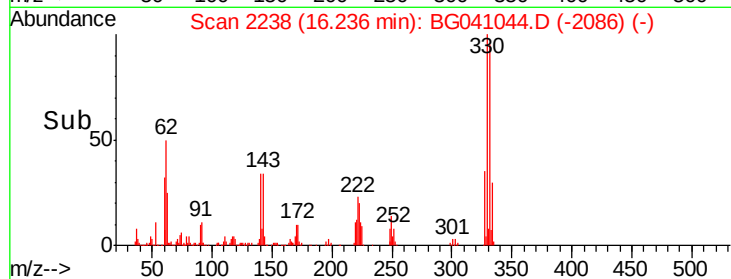
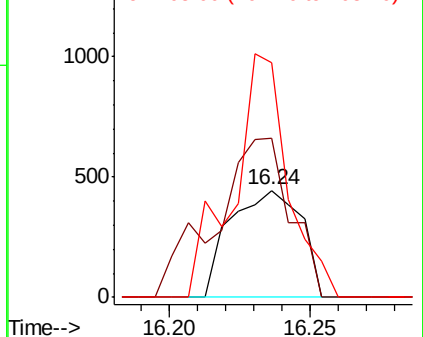
105 219.1 17.5 57.5#



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: 2.697 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.45 min

Lab File: BG041044.D

Acq: 3 Jun 2019 21:19

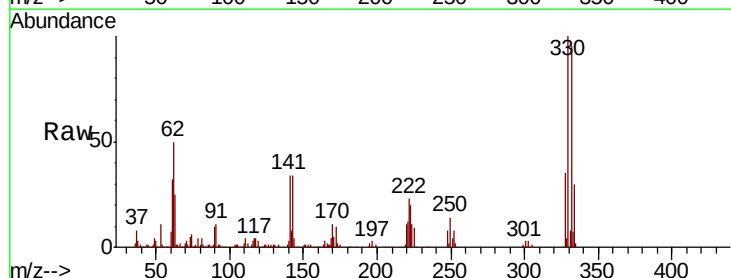
Tgt Ion:248 Resp: 16588

Ion Ratio Lower Upper

248 100

250 179.5 75.0 112.4#

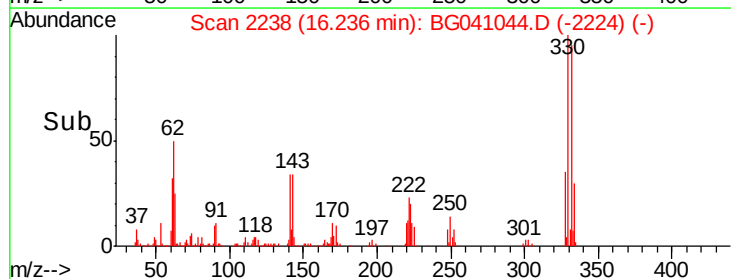
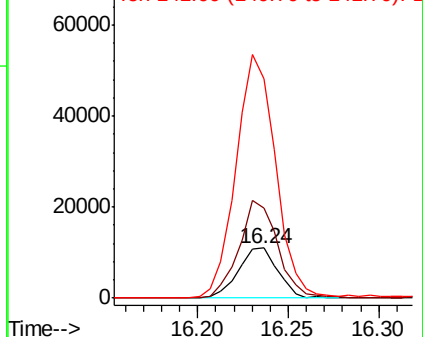
141 439.8 52.4 78.6#

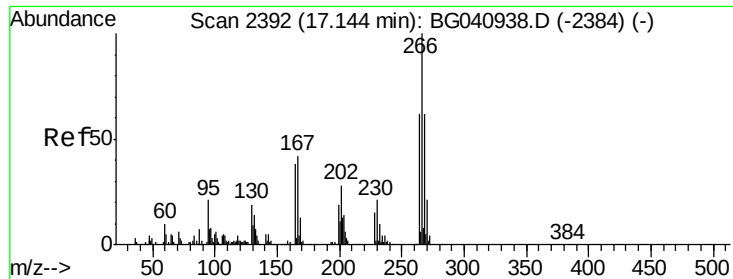


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Pentachlorophenol

Concen: 4.273 ng

RT: 16.93 min Scan# 2356

Delta R.T. -0.21 min

Lab File: BG041044.D

Acq: 3 Jun 2019 21:19

Instrument :

BNA_G

ClientSampleId :

B-08-COMP

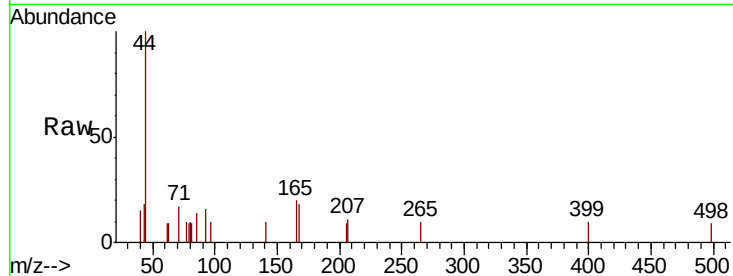
Tgt Ion:266 Resp: 64

Ion Ratio Lower Upper

266 100

268 0.0 53.1 79.7#

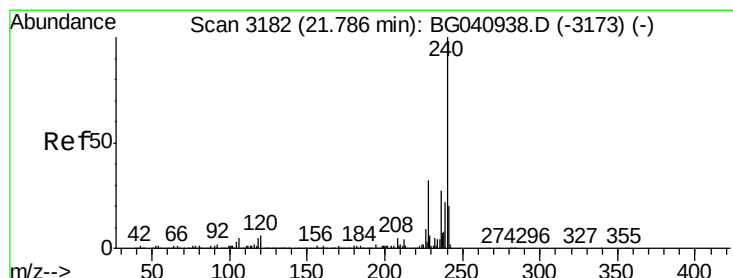
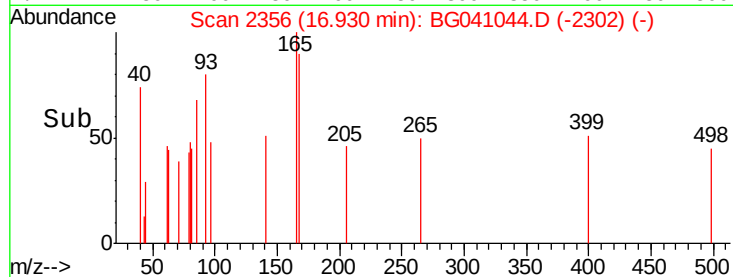
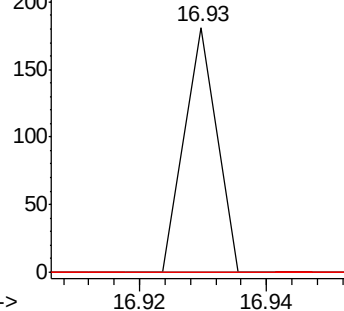
264 0.0 49.9 74.9#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BG041044.D

Acq: 3 Jun 2019 21:19

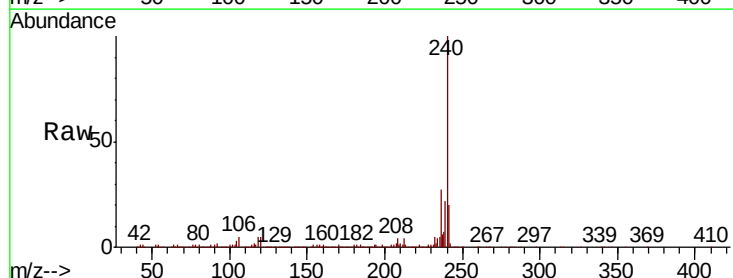
Tgt Ion:240 Resp: 443939

Ion Ratio Lower Upper

240 100

120 5.3 4.5 6.7

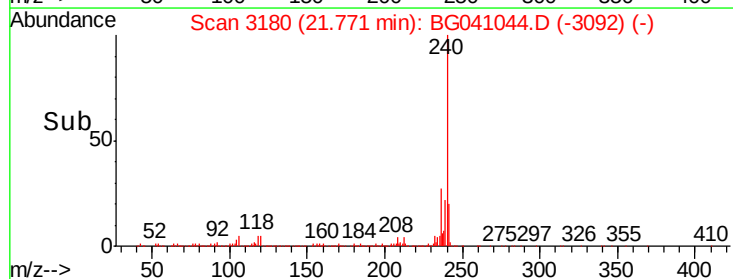
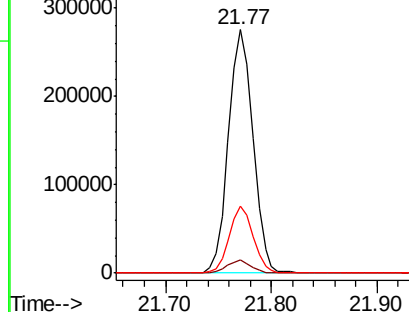
236 27.5 21.3 31.9

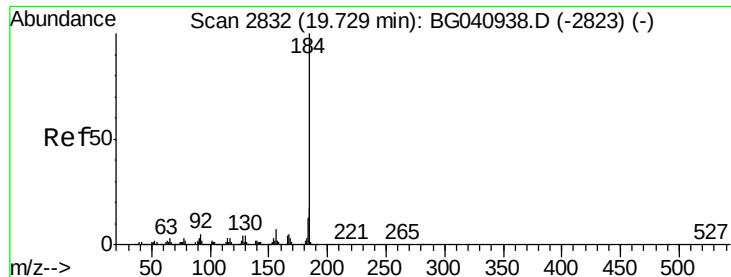


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.910 ng

RT: 20.09 min Scan# 2894

Delta R.T. 0.36 min

Lab File: BG041044.D

Acq: 3 Jun 2019 21:19

Instrument :

BNA_G

ClientSampleId :

B-08-COMP

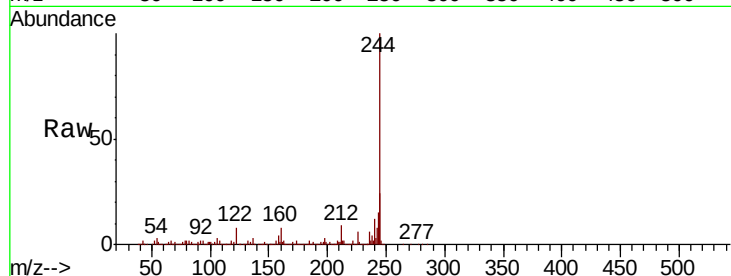
Tgt Ion:184 Resp: 30814

Ion Ratio Lower Upper

184 100

185 16.2 13.3 19.9

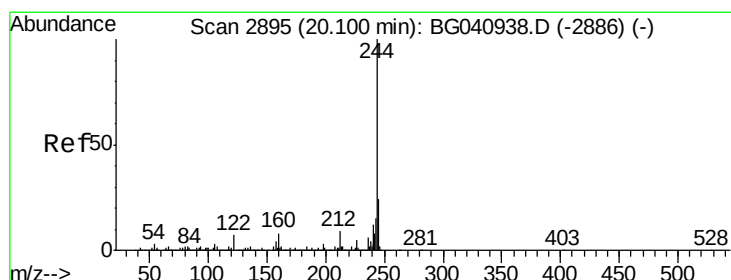
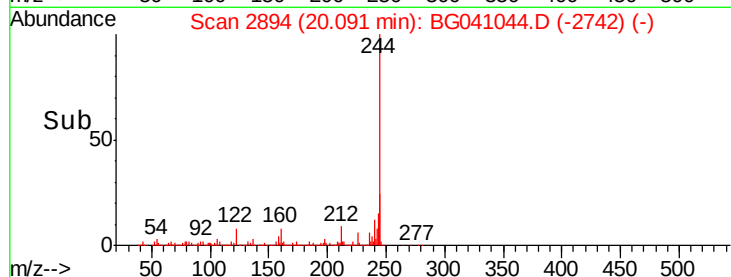
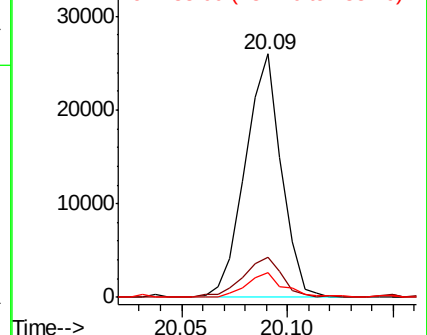
183 9.9 10.7 16.1#



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: 81.215 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG041044.D

Acq: 3 Jun 2019 21:19

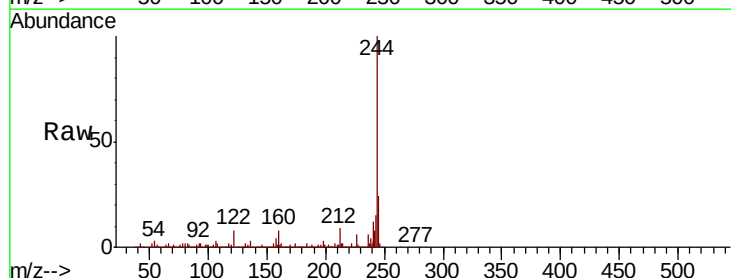
Tgt Ion:244 Resp: 1698811

Ion Ratio Lower Upper

244 100

212 9.3 7.0 10.4

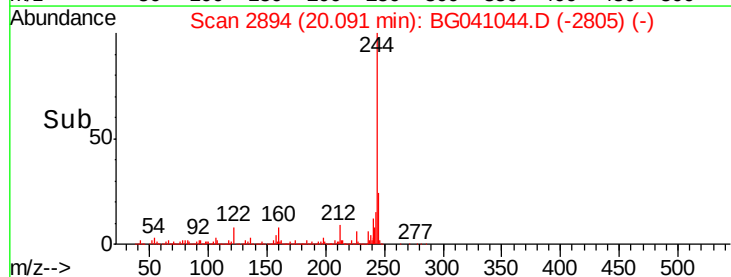
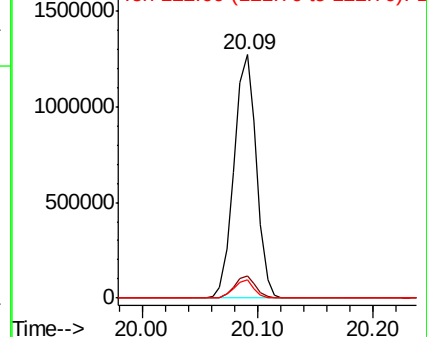
122 7.6 5.4 8.0

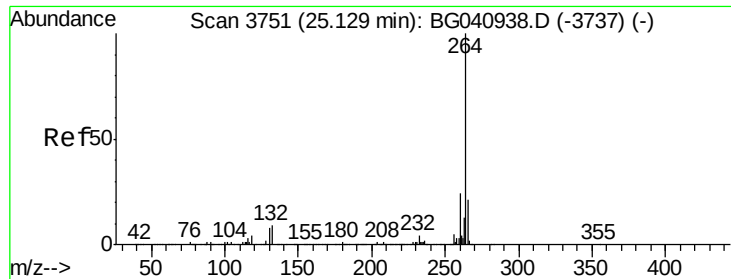


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.11 min Scan# 3748
Delta R.T. -0.02 min
Lab File: BG041044.D
Acq: 3 Jun 2019 21:19

Instrument :
BNA_G
ClientSampleId :
B-08-COMP

Tgt Ion:	264	Resp:	471565
Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.0	28.4
265	22.3	17.0	25.4

