

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060319\
 Data File : BG041040.D
 Acq On : 3 Jun 2019 18:47
 Operator : HP/JU
 Sample : K3097-16
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 0436-HR-16(HACKENSACK)

Quant Time: Jun 04 08:05:44 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

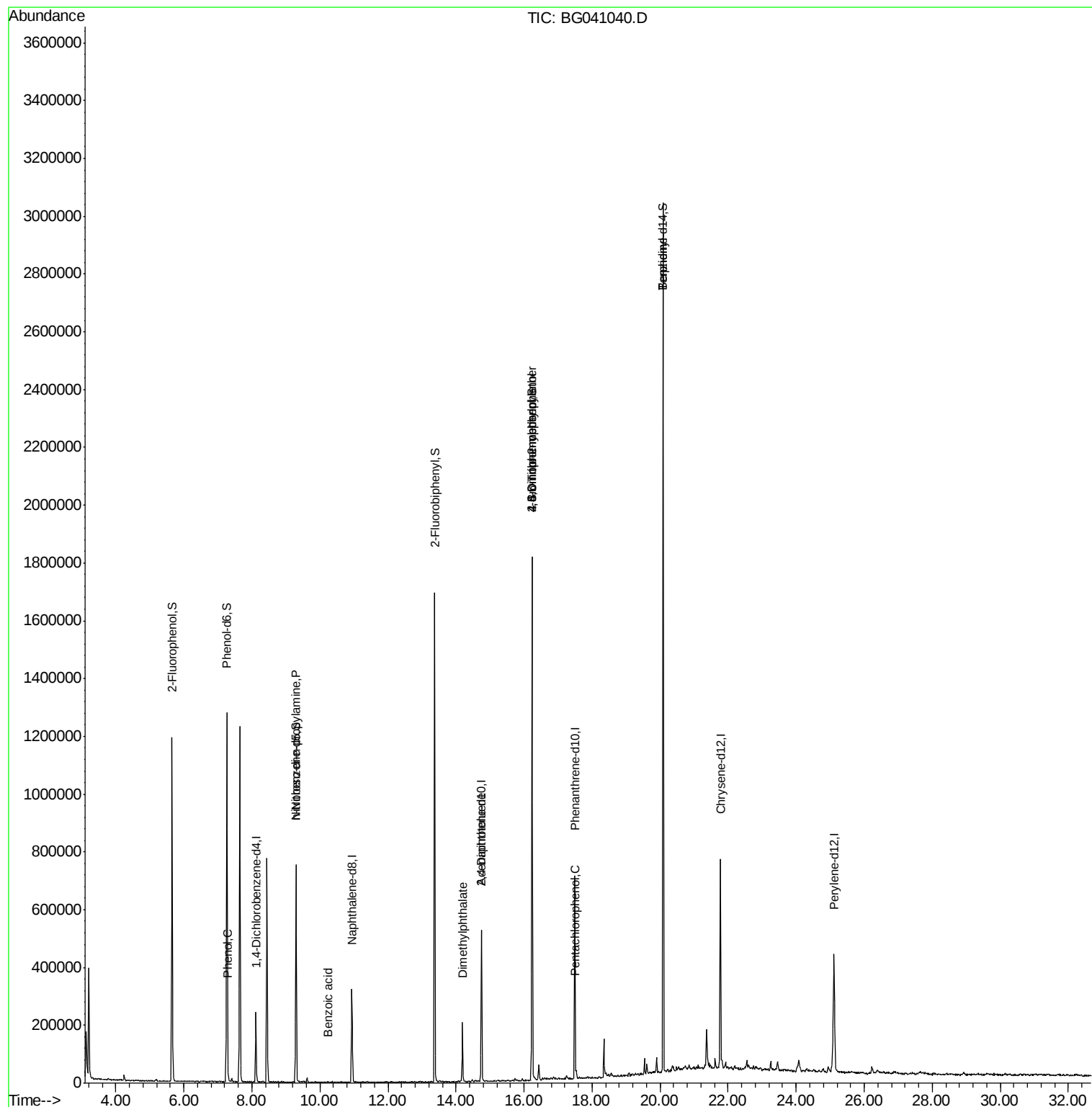
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	62302	20.00	ng	-0.01
21) Naphthalene-d8	10.94	136	255402	20.00	ng	-0.01
39) Acenaphthene-d10	14.75	164	181377	20.00	ng	-0.01
64) Phenanthrene-d10	17.49	188	434157	20.00	ng	-0.01
76) Chrysene-d12	21.77	240	434042	20.00	ng	-0.01
87) Perylene-d12	25.11	264	464133	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	454317	131.49	ng	0.00
7) Phenol-d6	7.26	99	677057	126.89	ng	0.00
23) Nitrobenzene-d5	9.30	82	452223	78.60	ng	-0.01
42) 2,4,6-Tribromophenol	16.23	330	328902	122.15	ng	-0.01
45) 2-Fluorobiphenyl	13.37	172	864965	68.68	ng	-0.01
79) Terphenyl-d14	20.09	244	1346846	65.86	ng	-0.01
Target Compounds						
10) Phenol	7.29	94	23503	4.108	ng	98
19) n-Nitroso-di-n-propylamine	9.30	70	65530	15.958	ng	# 72
32) Benzoic acid	10.23	122	84	8.153	ng	# 1
50) Dimethylphthalate	14.19	163	127385	8.297	ng	98
57) 2,4-Dinitrotoluene	14.75	165	24382	5.214	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.23	198	951	8.925	ng	81
67) 4-Bromophenyl-phenylether	16.23	248	23960	4.089	ng	# 1
70) Pentachlorophenol	17.51	266	58	4.272	ng	# 18
77) Benzidine	20.09	184	23677	2.287	ng	# 91

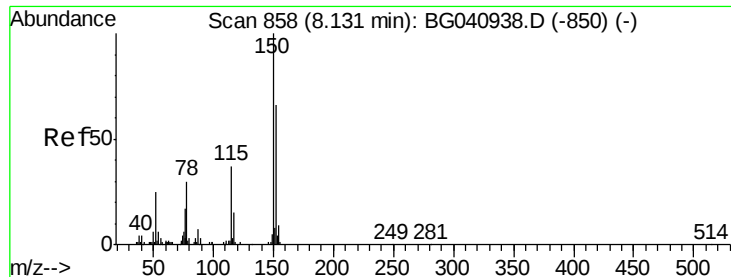
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060319\
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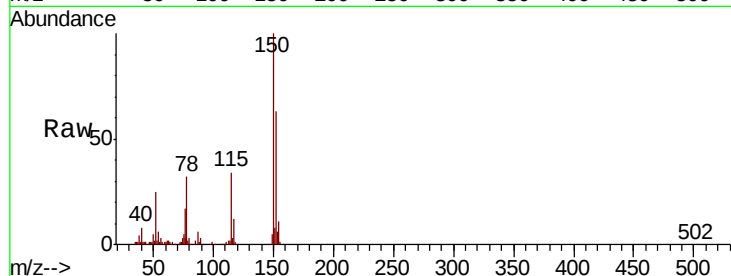


#1

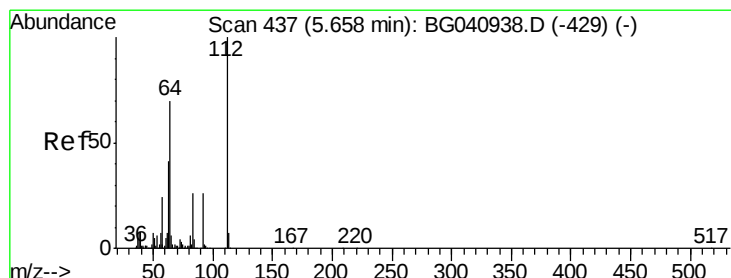
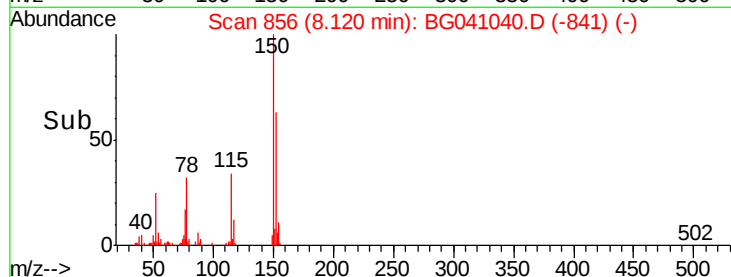
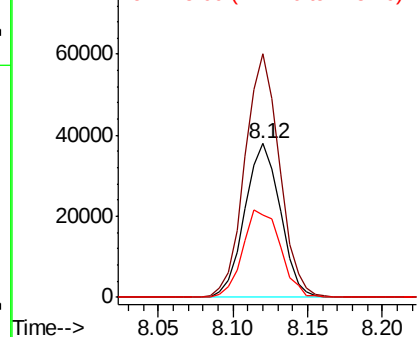
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG041040.D
Acq: 3 Jun 2019 18:47

Instrument :
BNA_G
ClientSampleId :
0436-HR-16(HACKENSACK)

Tgt Ion:152 Resp: 62302
Ion Ratio Lower Upper
152 100
150 158.1 120.6 180.8
115 53.7 45.1 67.7



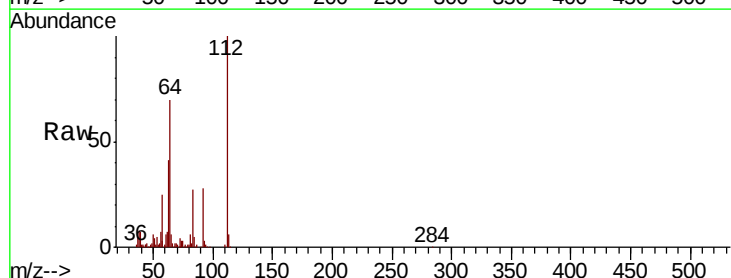
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



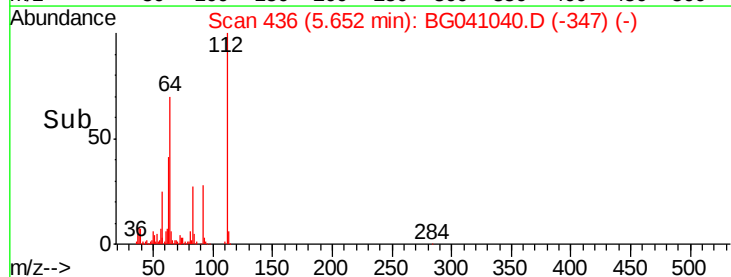
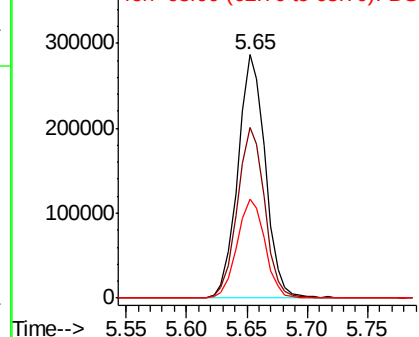
#5

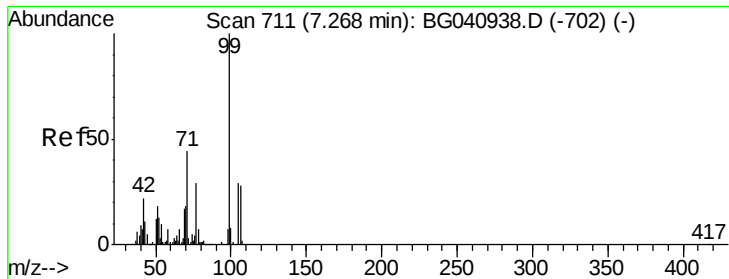
2-Fluorophenol
Concen: 131.493 ng
RT: 5.65 min Scan# 436
Delta R.T. -0.01 min
Lab File: BG041040.D
Acq: 3 Jun 2019 18:47

Tgt Ion:112 Resp: 454317
Ion Ratio Lower Upper
112 100
64 69.9 56.2 84.2
63 40.9 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: 126.885 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG041040.D

Acq: 3 Jun 2019 18:47

Instrument :

BNA_G

ClientSampleId :

0436-HR-16(HACKENSACK)

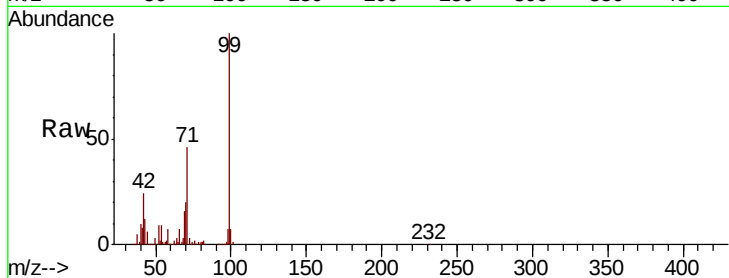
Tgt Ion: 99 Resp: 677057

Ion Ratio Lower Upper

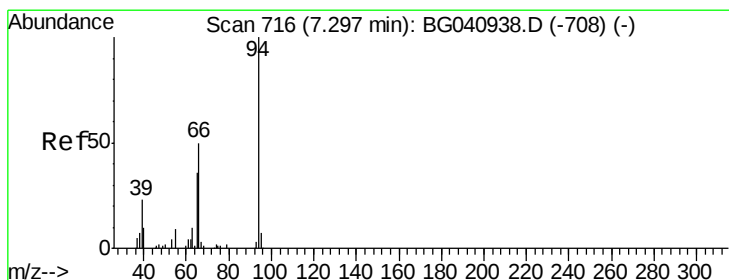
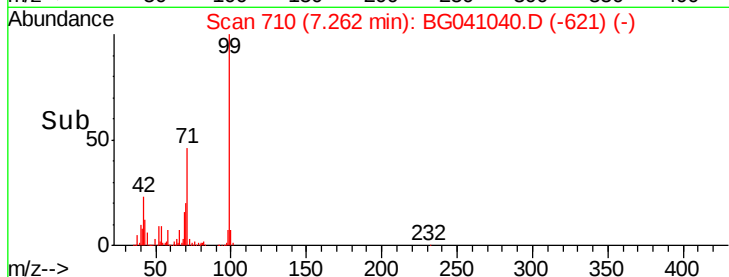
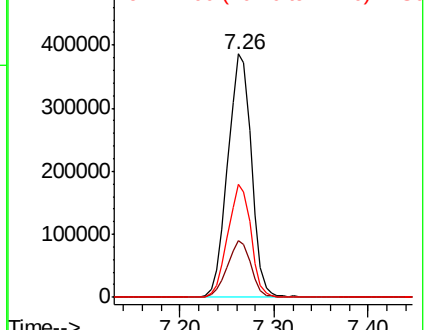
99 100

42 23.5 17.9 26.9

71 46.4 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



#10

Phenol

Concen: 4.108 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG041040.D

Acq: 3 Jun 2019 18:47

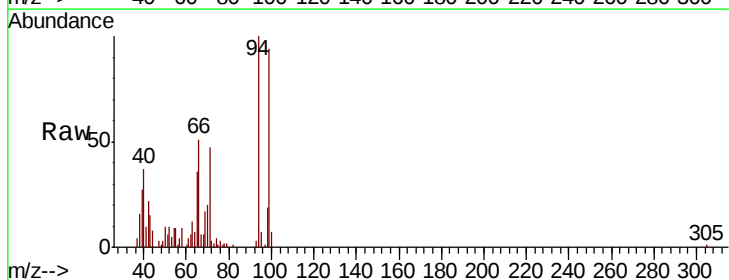
Tgt Ion: 94 Resp: 23503

Ion Ratio Lower Upper

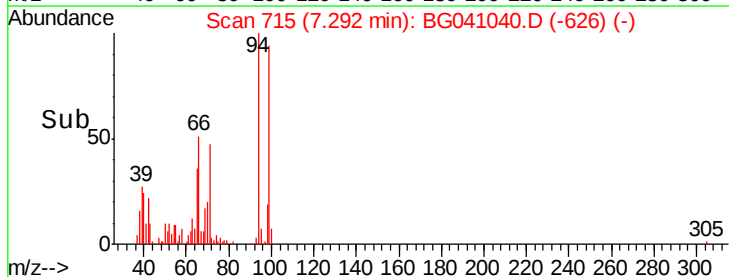
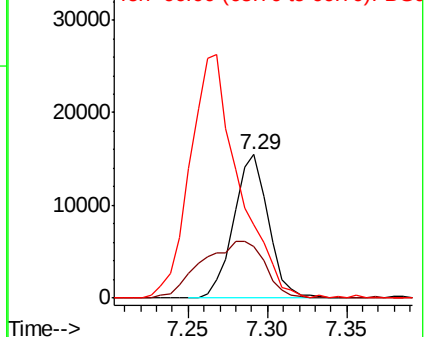
94 100

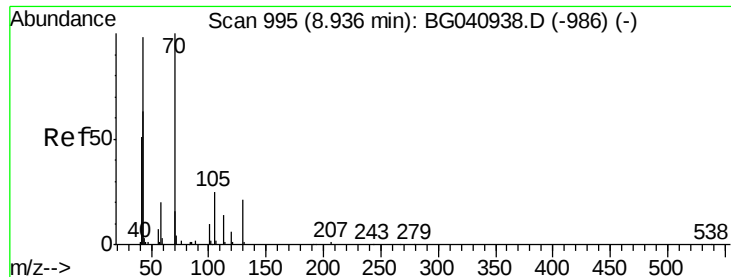
65 35.6 17.0 57.0

66 51.2 32.4 72.4



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

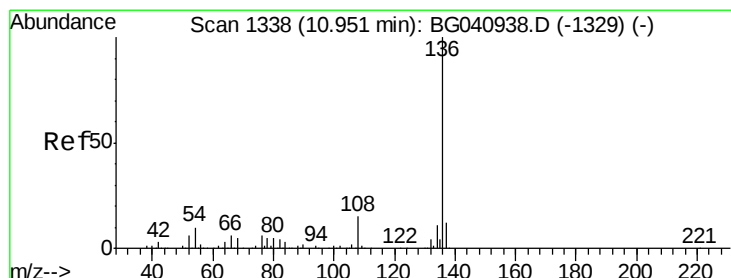
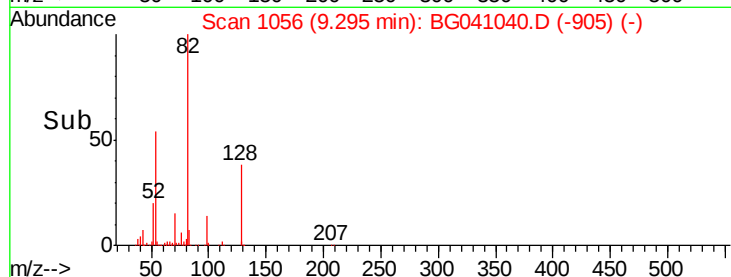
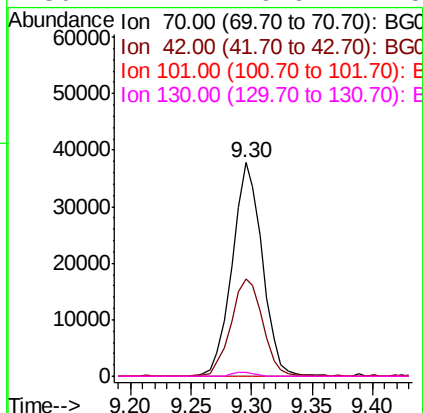
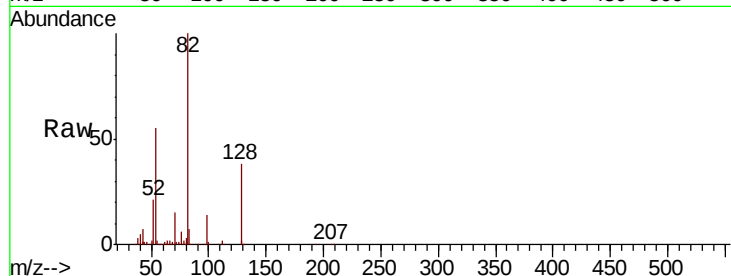




#19
n-Nitroso-di-n-propylamine
Concen: 15.958 ng
RT: 9.30 min Scan# 1056
Delta R.T. 0.36 min
Lab File: BG041040.D
Acq: 3 Jun 2019 18:47

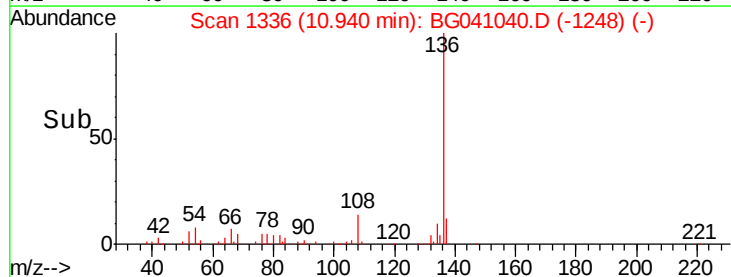
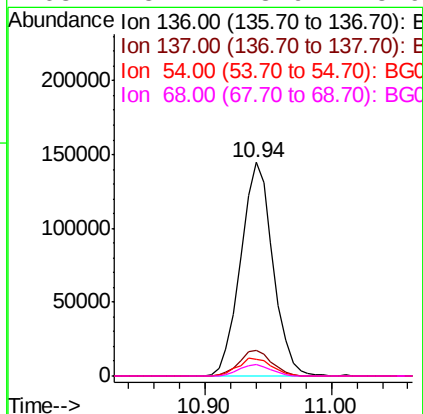
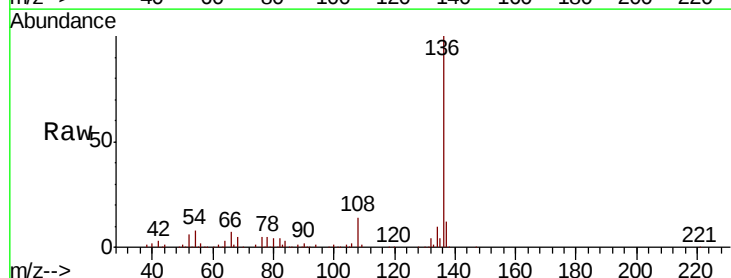
Instrument :
BNA_G
ClientSampleId :
0436-HR-16(HACKENSACK)

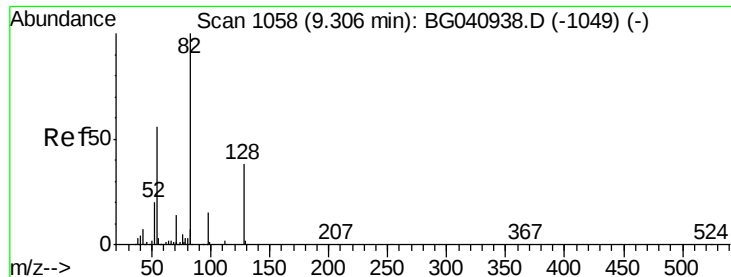
Tgt Ion: 70 Resp: 65530
Ion Ratio Lower Upper
70 100
42 45.4 51.5 77.3#
101 0.0 8.1 12.1#
130 1.7 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BG041040.D
Acq: 3 Jun 2019 18:47

Tgt Ion: 136 Resp: 255402
Ion Ratio Lower Upper
136 100
137 12.3 9.5 14.3
54 7.8 7.6 11.4
68 5.2 3.9 5.9

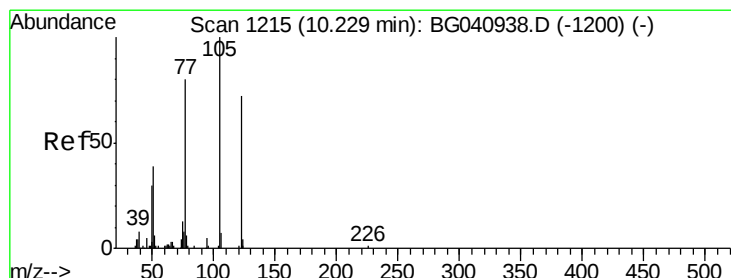
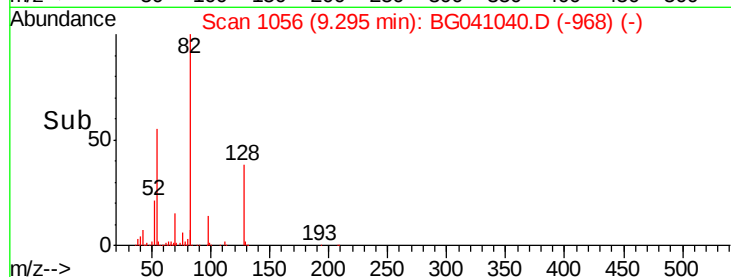
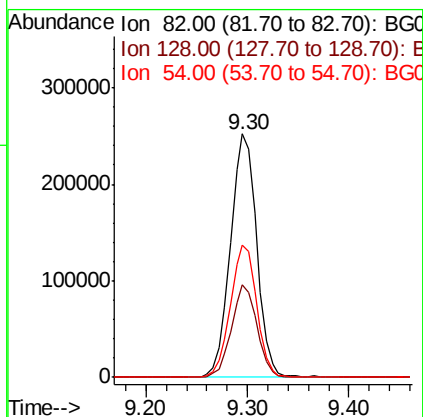
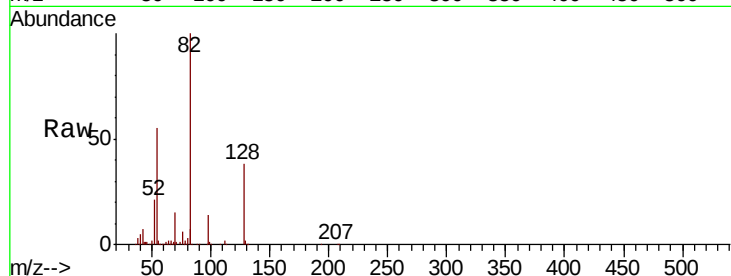




#23
Nitrobenzene-d5
Concen: 78.605 ng
RT: 9.30 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BG041040.D
Acq: 3 Jun 2019 18:47

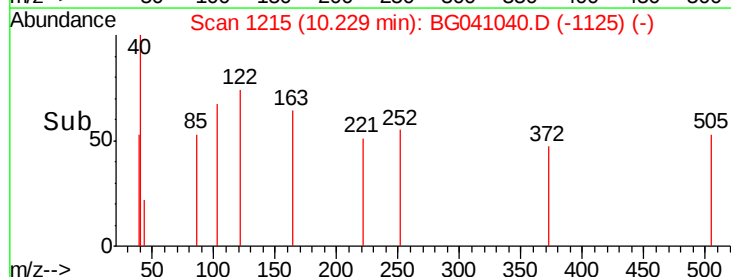
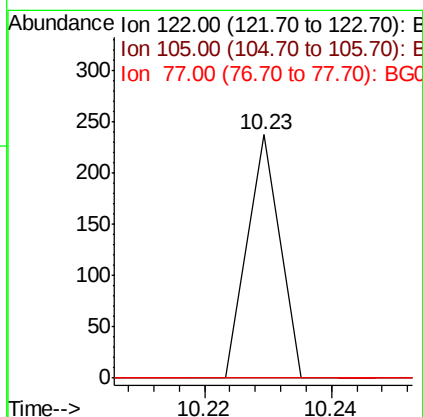
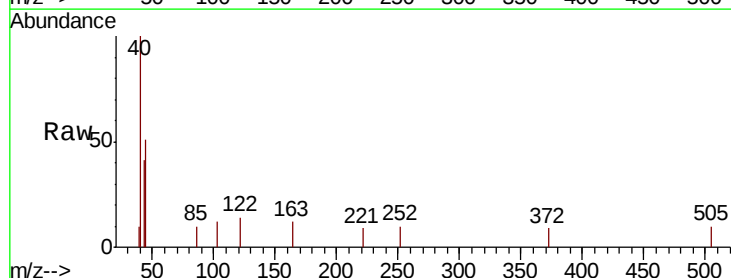
Instrument :
BNA_G
ClientSampleId :
0436-HR-16(HACKENSACK)

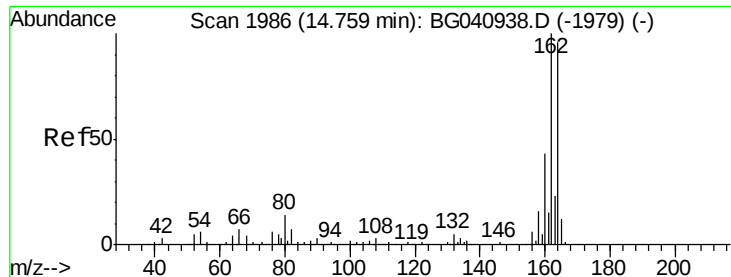
Tgt Ion: 82 Resp: 452223
Ion Ratio Lower Upper
82 100
128 38.0 30.5 45.7
54 54.5 44.6 66.8



#32
Benzoic acid
Concen: 8.153 ng
RT: 10.23 min Scan# 1215
Delta R.T. 0.00 min
Lab File: BG041040.D
Acq: 3 Jun 2019 18:47

Tgt Ion: 122 Resp: 84
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# 1984

Delta R.T. -0.01 min

Lab File: BG041040.D

Acq: 3 Jun 2019 18:47

Instrument :

BNA_G

ClientSampleId :

0436-HR-16(HACKENSACK)

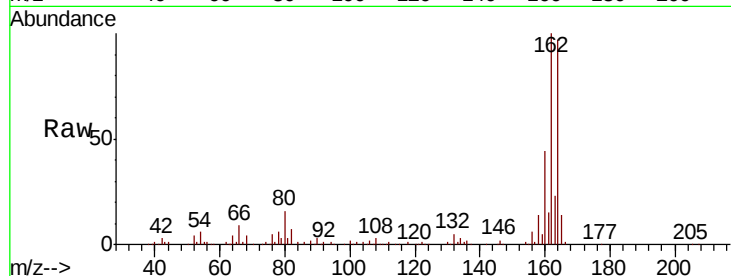
Tgt Ion:164 Resp: 181377

Ion Ratio Lower Upper

164 100

162 103.0 83.0 124.4

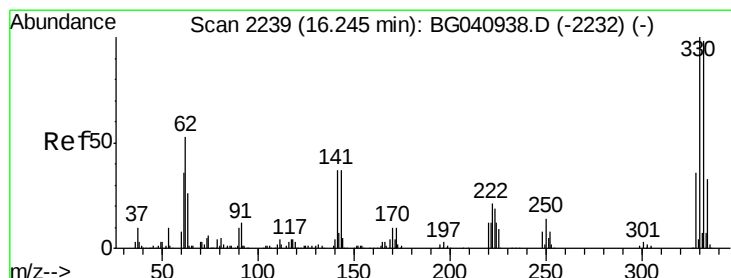
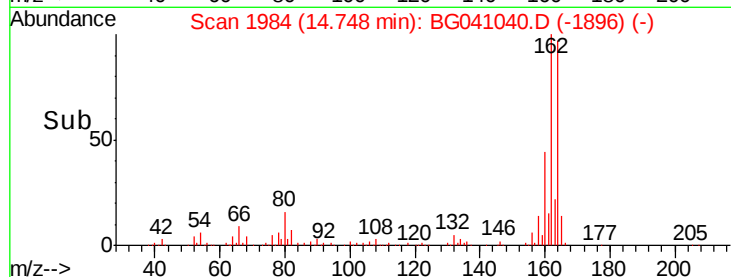
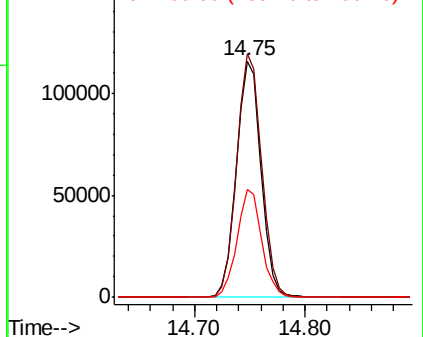
160 45.6 35.6 53.4



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



#42

2,4,6-Tribromophenol

Concen: 122.147 ng

RT: 16.23 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BG041040.D

Acq: 3 Jun 2019 18:47

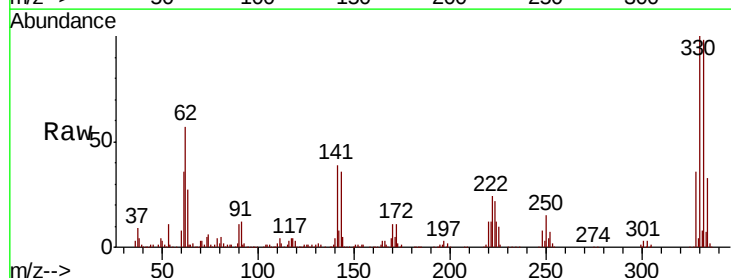
Tgt Ion:330 Resp: 328902

Ion Ratio Lower Upper

330 100

332 97.1 78.5 117.7

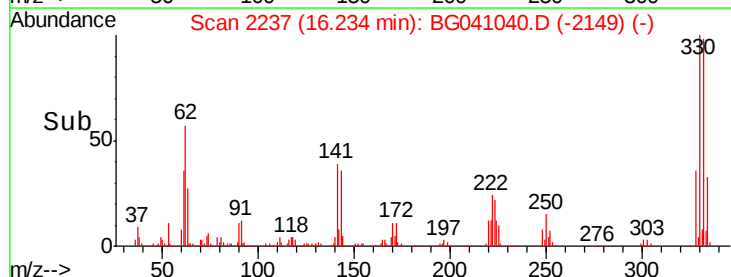
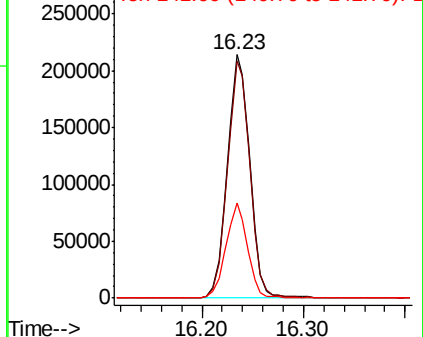
141 37.6 28.7 43.1

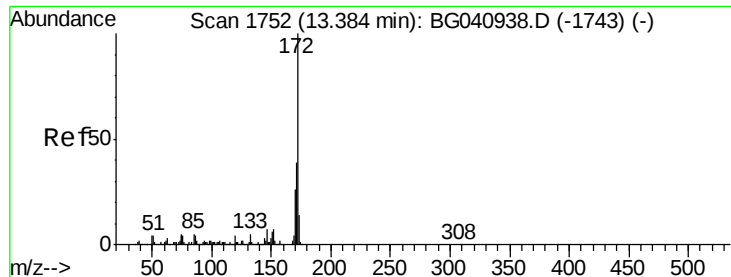


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 68.677 ng

RT: 13.37 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BG041040.D

Acq: 3 Jun 2019 18:47

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0436-HR-16(HACKENSACK)

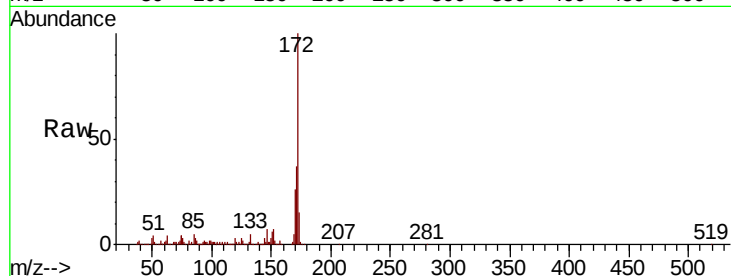
Tgt Ion:172 Resp: 864965

Ion Ratio Lower Upper

172 100

171 37.4 31.1 46.7

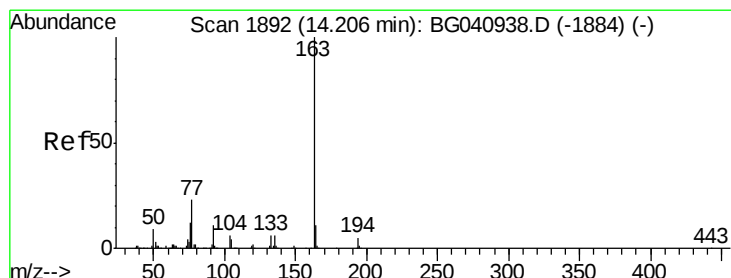
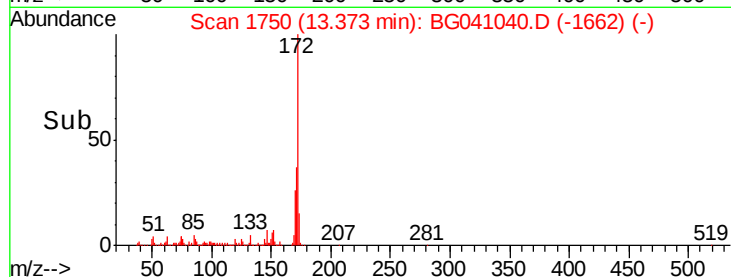
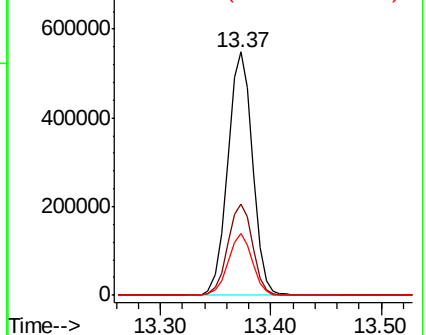
170 25.6 20.5 30.7



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: 8.297 ng

RT: 14.19 min Scan# 1889

Delta R.T. -0.02 min

Lab File: BG041040.D

Acq: 3 Jun 2019 18:47

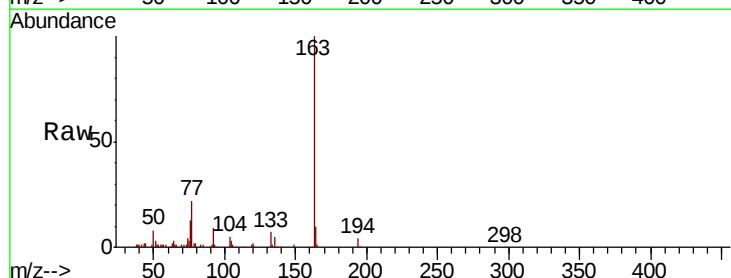
Tgt Ion:163 Resp: 127385

Ion Ratio Lower Upper

163 100

194 4.4 3.8 5.8

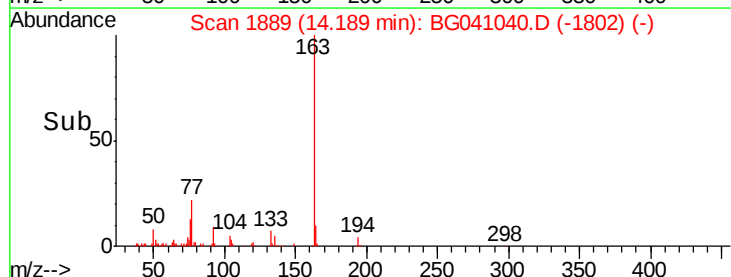
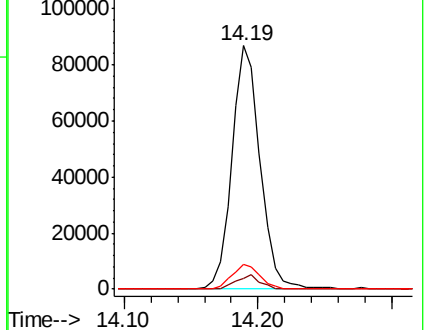
164 10.2 8.7 13.1

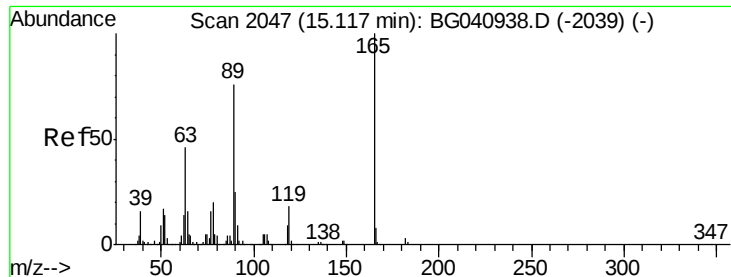


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#57

2,4-Dinitrotoluene

Concen: 5.214 ng

RT: 14.75 min Scan# 1984

Delta R.T. -0.37 min

Lab File: BG041040.D

Acq: 3 Jun 2019 18:47

Instrument :

BNA_G

ClientSampleId :

0436-HR-16(HACKENSACK)

Tgt Ion:165 Resp: 24382

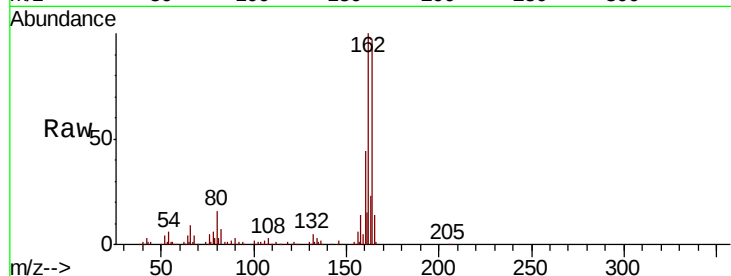
Ion Ratio Lower Upper

165 100

63 2.3 37.3 55.9#

89 2.4 61.0 91.6#

182 0.0 2.2 3.2#

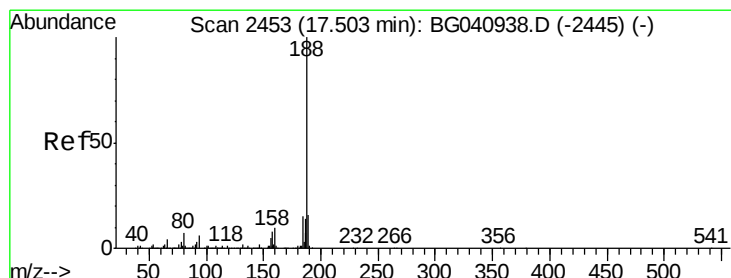
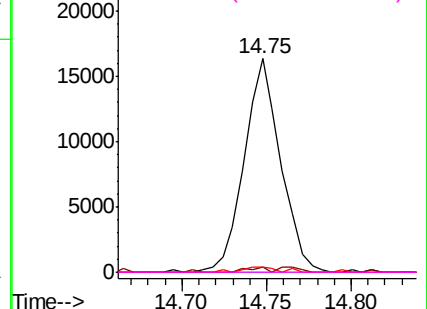
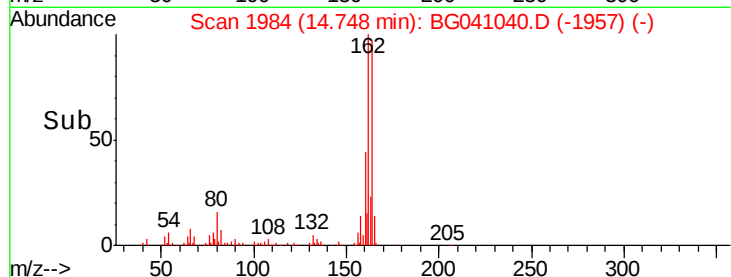


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2451

Delta R.T. -0.01 min

Lab File: BG041040.D

Acq: 3 Jun 2019 18:47

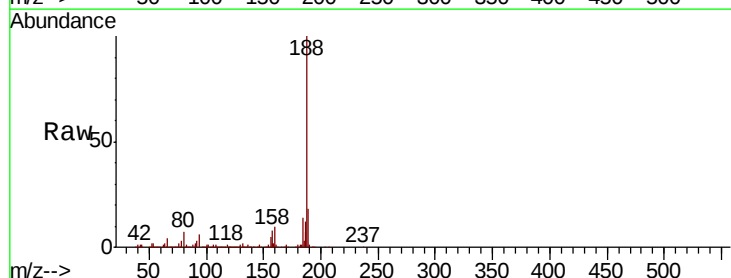
Tgt Ion:188 Resp: 434157

Ion Ratio Lower Upper

188 100

94 6.2 4.7 7.1

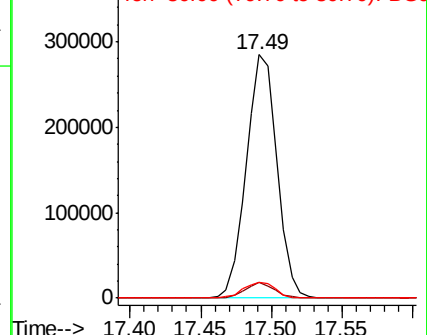
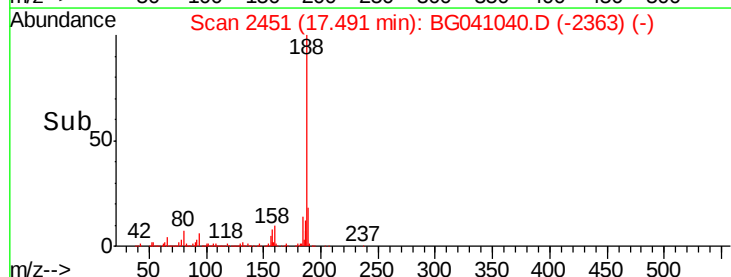
80 6.6 5.8 8.8

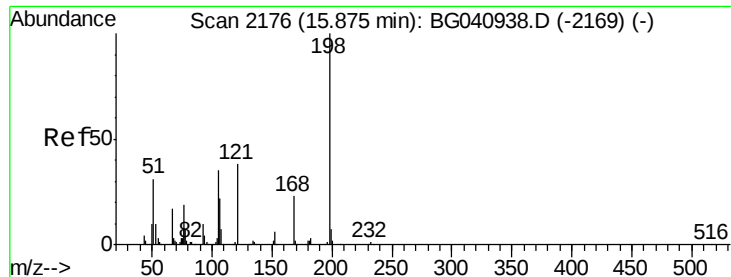


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

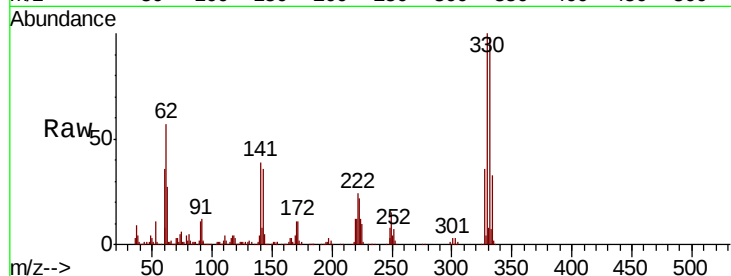




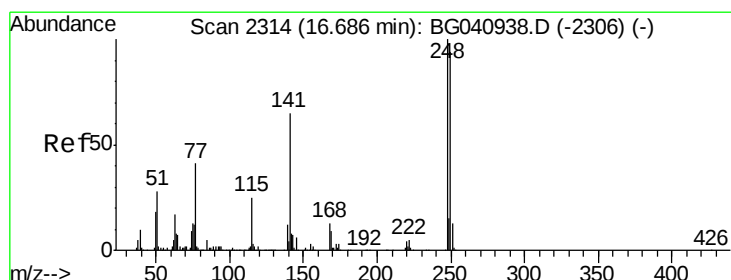
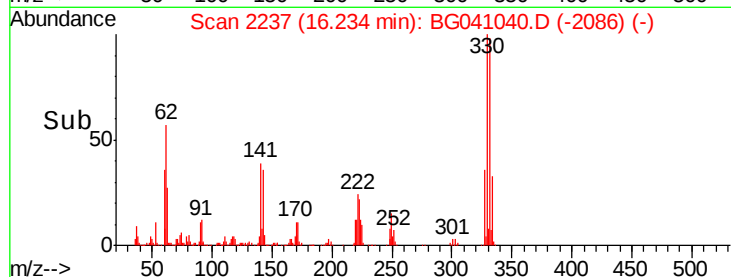
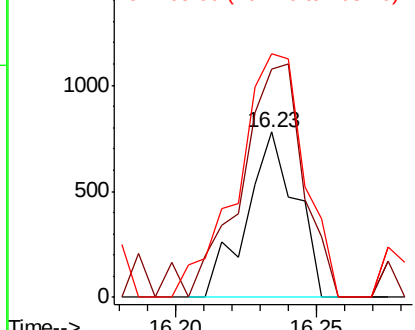
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.925 ng
 RT: 16.23 min Scan# 2237
 Delta R.T. 0.36 min
 Lab File: BG041040.D
 Acq: 3 Jun 2019 18:47

Instrument :
 BNA_G
 ClientSampleId :
 0436-HR-16(HACKENSACK)

Tgt Ion:198 Resp: 951
 Ion Ratio Lower Upper
 198 100
 51 26.9 21.6 61.6
 105 28.7 17.5 57.5

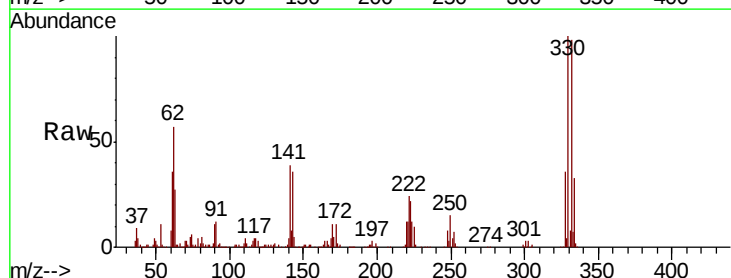


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

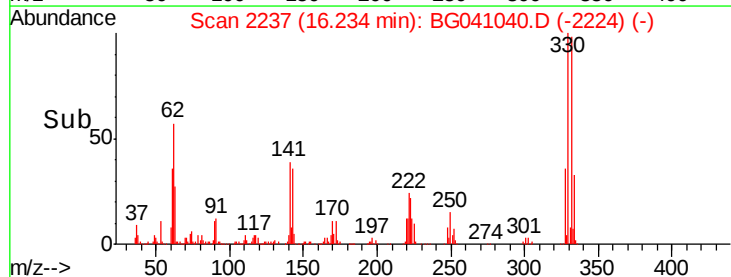
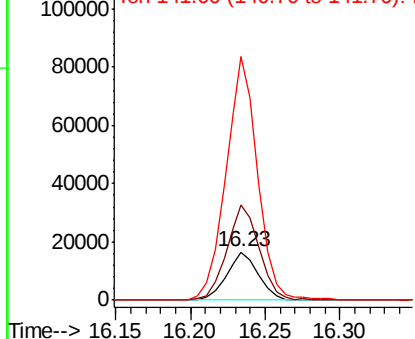


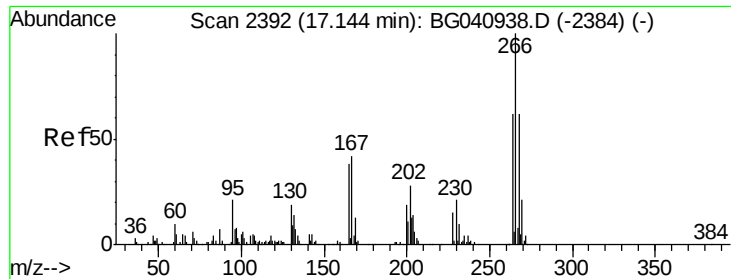
#67
 4-Bromophenyl-phenylether
 Concen: 4.089 ng
 RT: 16.23 min Scan# 2237
 Delta R.T. -0.45 min
 Lab File: BG041040.D
 Acq: 3 Jun 2019 18:47

Tgt Ion:248 Resp: 23960
 Ion Ratio Lower Upper
 248 100
 250 197.8 75.0 112.4#
 141 509.4 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

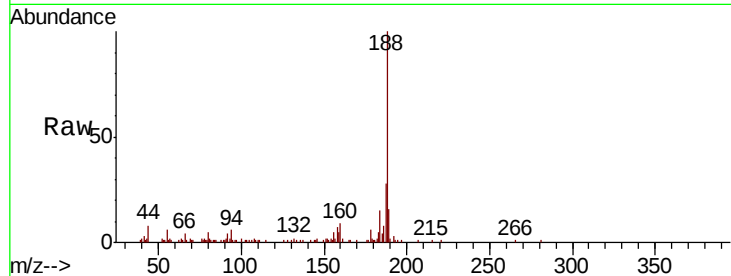




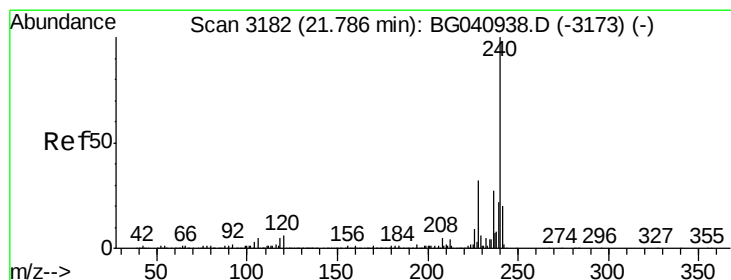
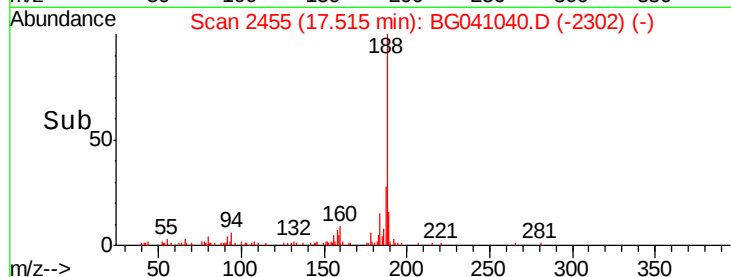
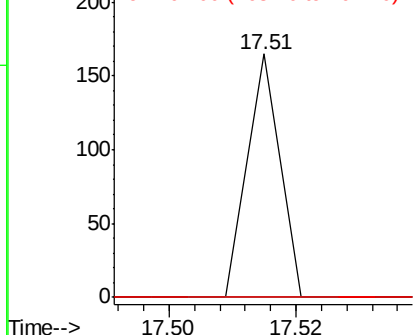
#70
 Pentachlorophenol
 Concen: 4.272 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. 0.37 min
 Lab File: BG041040.D
 Acq: 3 Jun 2019 18:47

Instrument :
 BNA_G
 ClientSampleId :
 0436-HR-16(HACKENSACK)

Tgt Ion	Ratio	Lower	Upper
266	100		
268	0.0	53.1	79.7#
264	0.0	49.9	74.9#

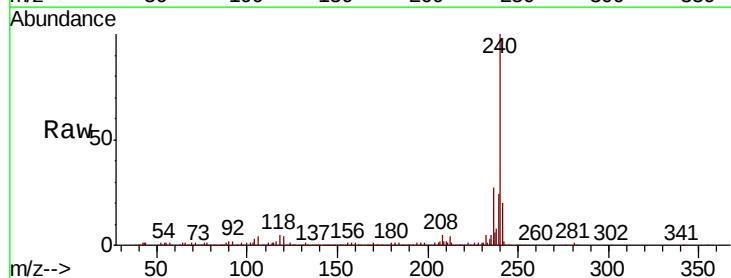


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

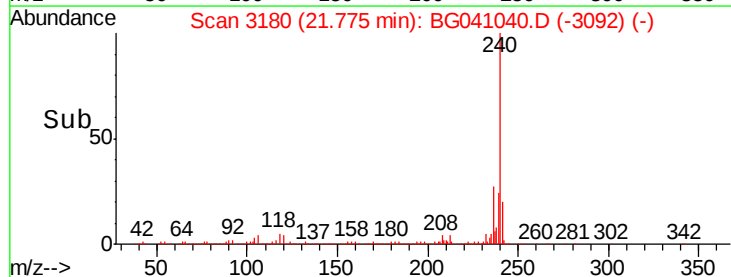
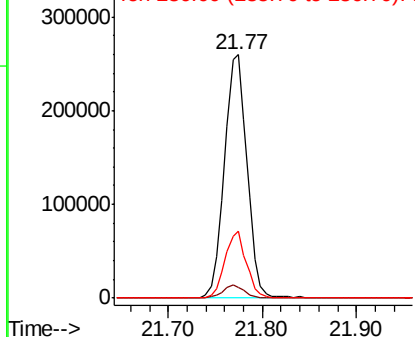


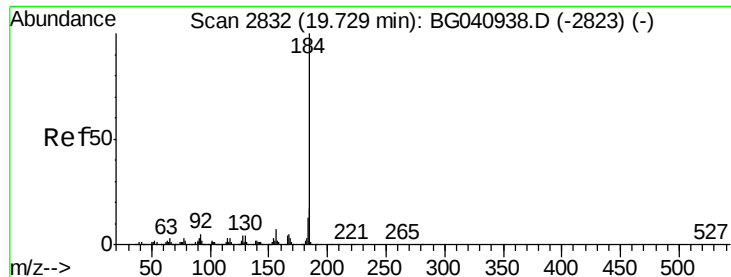
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3180
 Delta R.T. -0.01 min
 Lab File: BG041040.D
 Acq: 3 Jun 2019 18:47

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.4	4.5	6.7#
236	27.3	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: 2.287 ng

RT: 20.09 min Scan# 2893

Delta R.T. 0.36 min

Lab File: BG041040.D

Acq: 3 Jun 2019 18:47

Instrument :

BNA_G

ClientSampleId :

0436-HR-16(HACKENSACK)

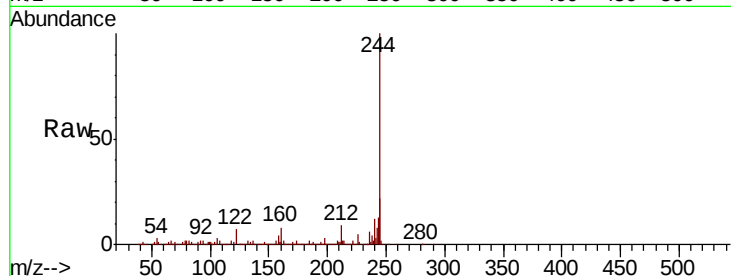
Tgt Ion:184 Resp: 23677

Ion Ratio Lower Upper

184 100

185 18.6 13.3 19.9

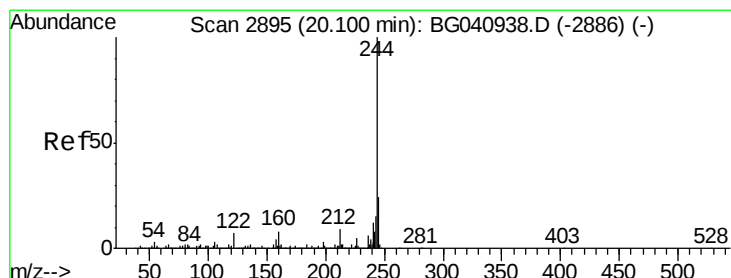
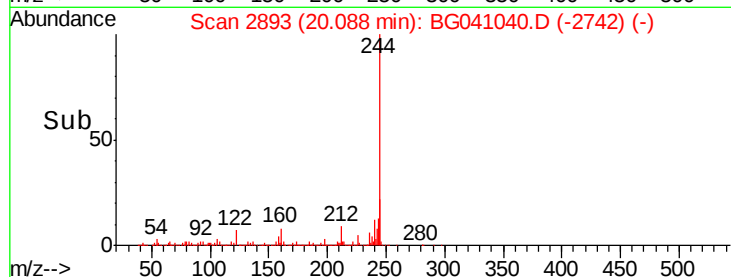
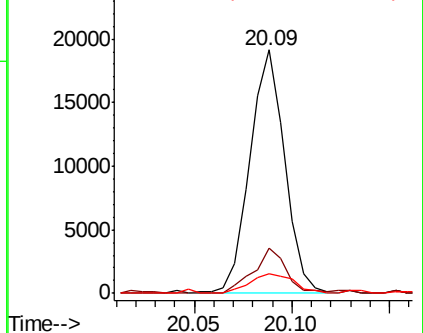
183 8.0 10.7 16.1#



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: 65.857 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG041040.D

Acq: 3 Jun 2019 18:47

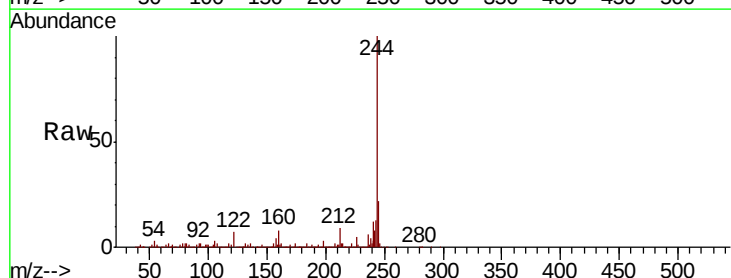
Tgt Ion:244 Resp: 1346846

Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.4

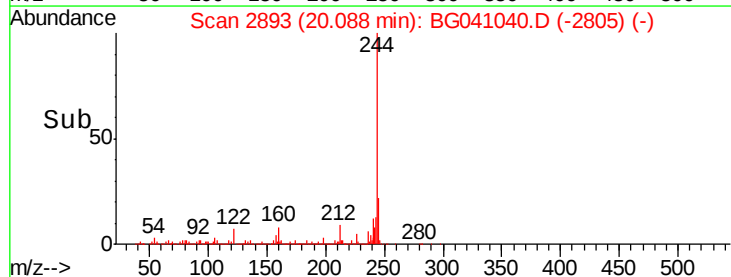
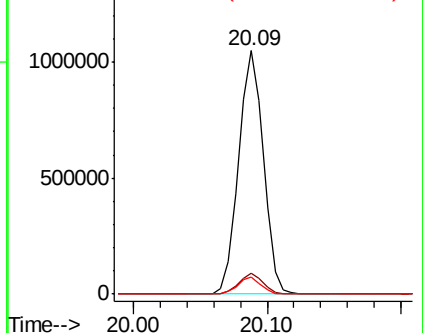
122 7.3 5.4 8.0

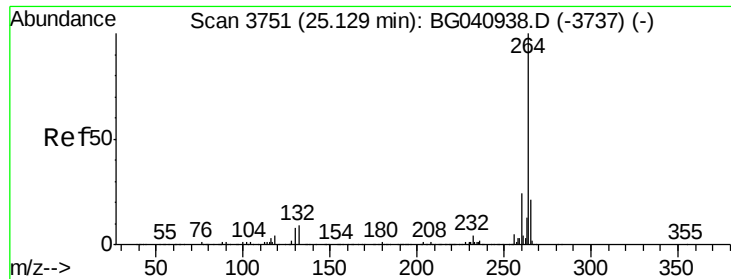


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG041040.D
Acq: 3 Jun 2019 18:47

Instrument :
BNA_G
ClientSampleId :
0436-HR-16(HACKENSACK)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	20.3	17.0	25.4

