

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060119\
 Data File : BG041021.D
 Acq On : 1 Jun 2019 20:37
 Operator : HP/JU
 Sample : K3907-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 0421-HR-1(HACKENSACK)

Quant Time: Jun 03 01:15:06 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	56489	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	233602	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	173918	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	420886	20.00	ng	0.00
76) Chrysene-d12	21.77	240	406950	20.00	ng	-0.01
87) Perylene-d12	25.11	264	434704	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	423326	135.13	ng	0.00
7) Phenol-d6	7.27	99	631063	130.44	ng	0.00
23) Nitrobenzene-d5	9.30	82	442292	84.05	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	335769	130.05	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	972814	80.55	ng	0.00
79) Terphenyl-d14	20.09	244	1545665	80.61	ng	0.00

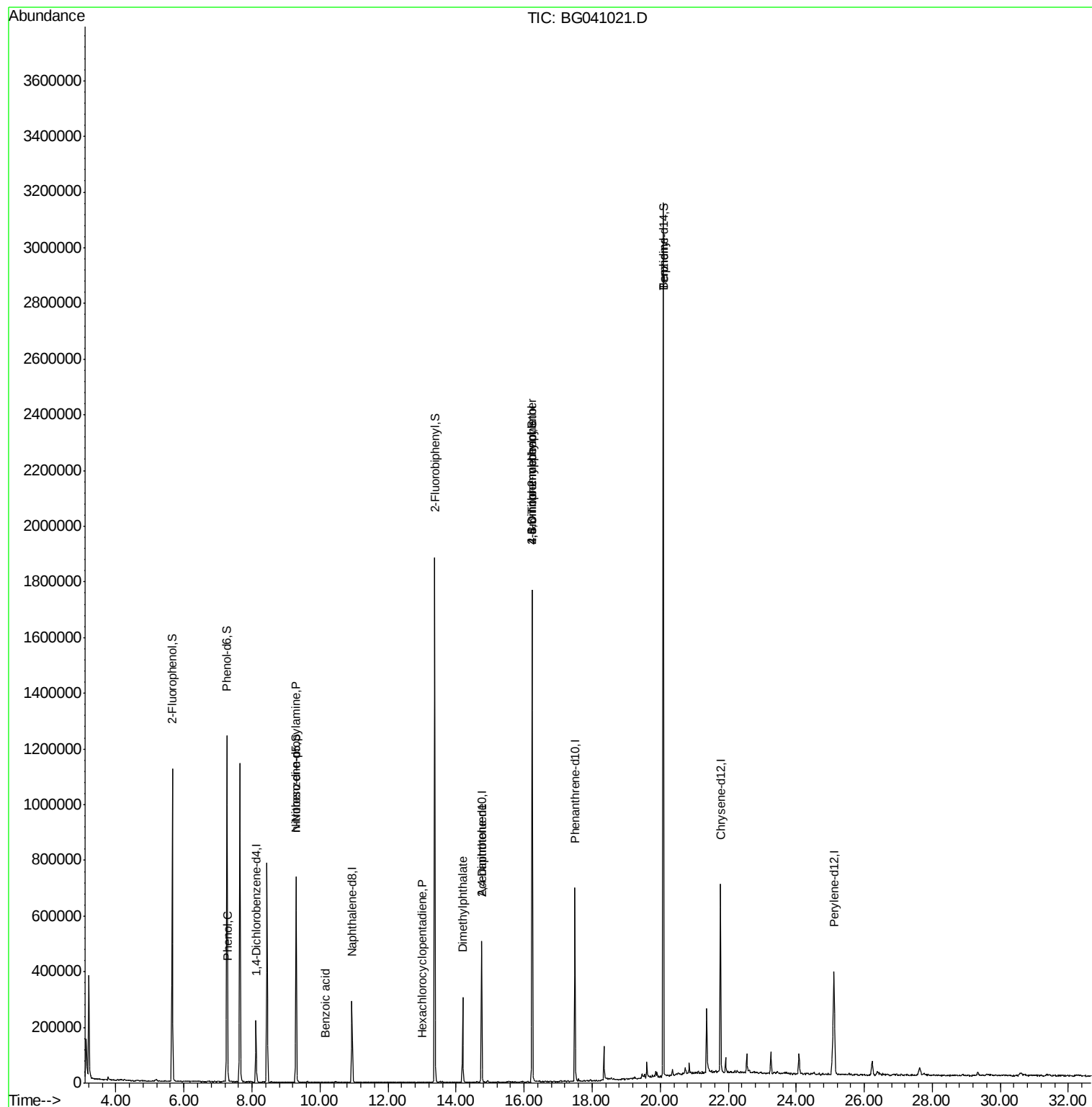
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.29	94	20203	3.895	ng	80
19) n-Nitroso-di-n-propylamine	9.30	70	61476	16.512	ng	# 78
32) Benzoic acid	10.16	122	69	8.150	ng	# 1
41) Hexachlorocyclopentadiene	12.98	237	63	8.250	ng	# 26
50) Dimethylphthalate	14.19	163	197216	13.396	ng	99
57) 2,4-Dinitrotoluene	14.75	165	22101	4.929	ng	# 21
65) 4,6-Dinitro-2-methylphenol	16.23	198	1050	8.972	ng	# 1
67) 4-Bromophenyl-phenylether	16.24	248	24781	4.363	ng	# 1
77) Benzidine	20.09	184	27338	2.816	ng	# 92

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

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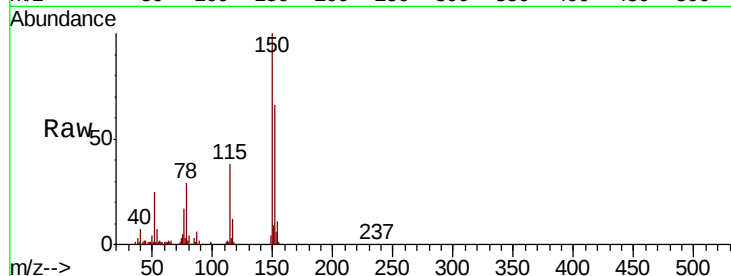


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 857
Delta R.T. -0.01 min
Lab File: BG041021.D
Acq: 1 Jun 2019 20:37

Instrument :
BNA_G
ClientSampleId :
0421-HR-1(HACKENSACK)

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.2	120.6	180.8
115	57.5	45.1	67.7

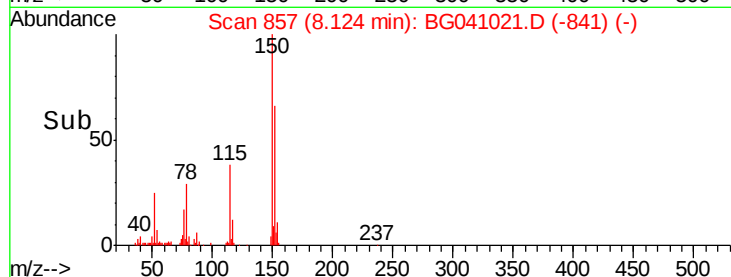
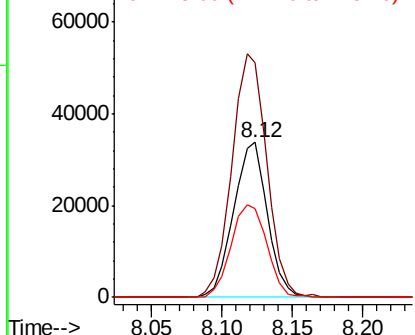


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

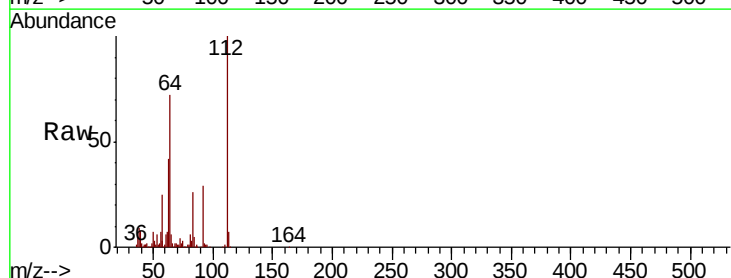
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 135.132 ng
RT: 5.66 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG041021.D
Acq: 1 Jun 2019 20:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.9	56.2	84.2
63	41.8	32.8	49.2

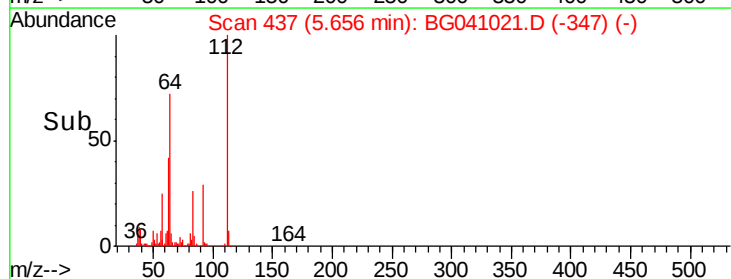
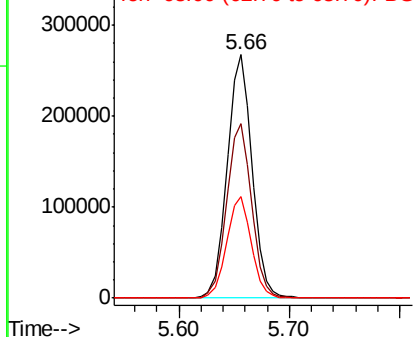


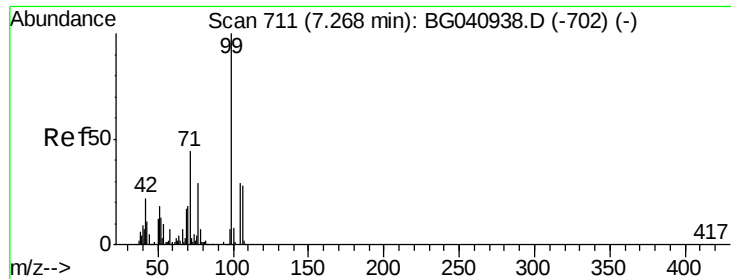
Abundance

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: 130.436 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG041021.D

Acq: 1 Jun 2019 20:37

Instrument :

BNA_G

ClientSampleId :

0421-HR-1(HACKENSACK)

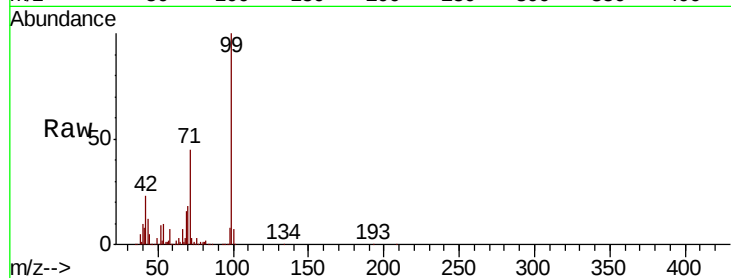
Tot Ion: 99 Resp: 631063

Ion Ratio Lower Upper

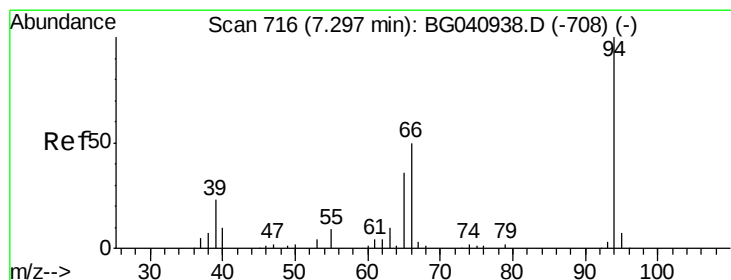
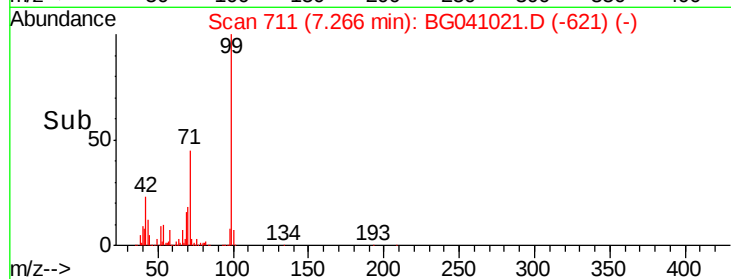
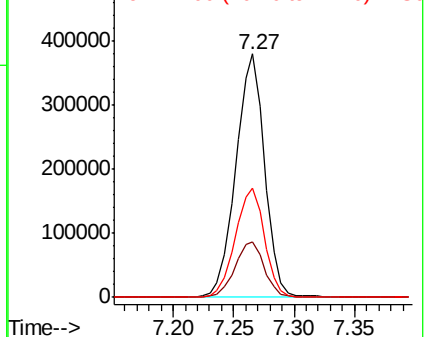
99 100

42 22.9 17.9 26.9

71 44.9 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: 3.895 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG041021.D

Acq: 1 Jun 2019 20:37

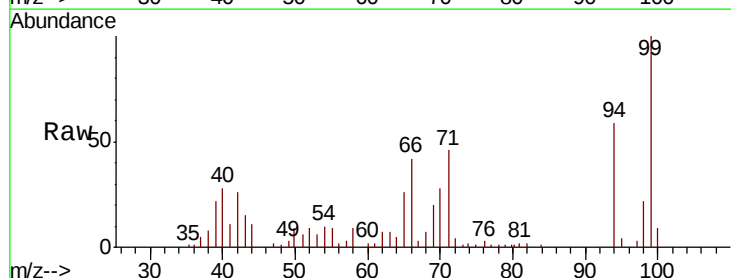
Tgt Ion: 94 Resp: 20203

Ion Ratio Lower Upper

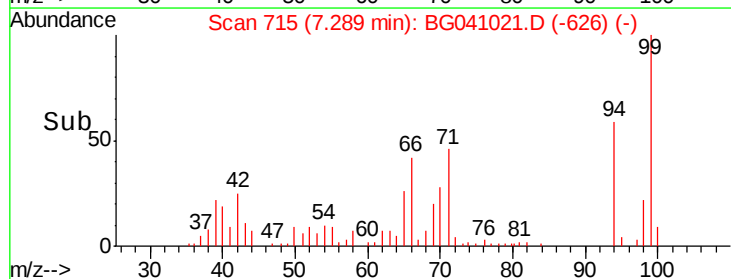
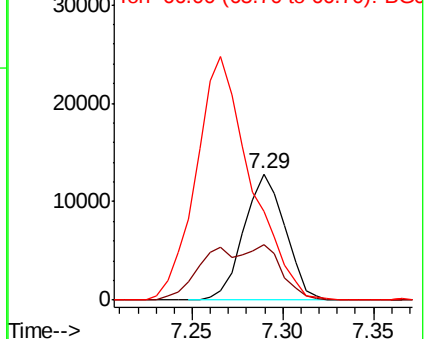
94 100

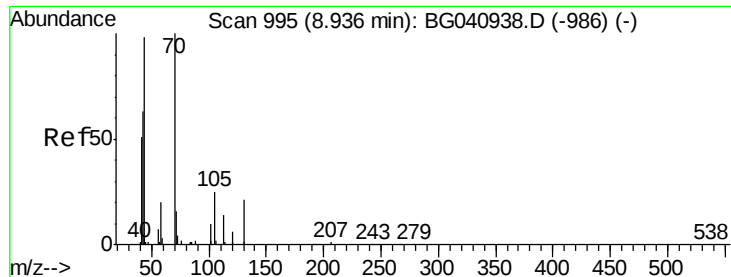
65 44.1 17.0 57.0

66 70.9 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: 16.512 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG041021.D

Acq: 1 Jun 2019 20:37

Instrument :

BNA_G

ClientSampleId :

0421-HR-1(HACKENSACK)

Tot Ion: 70 Resp: 61476

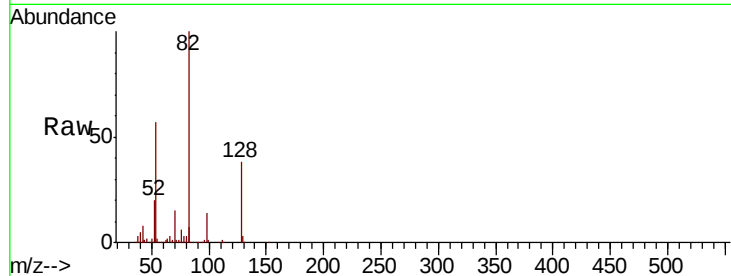
Ion Ratio Lower Upper

70 100

42 52.5 51.5 77.3

101 0.0 8.1 12.1#

130 2.4 16.6 24.8#



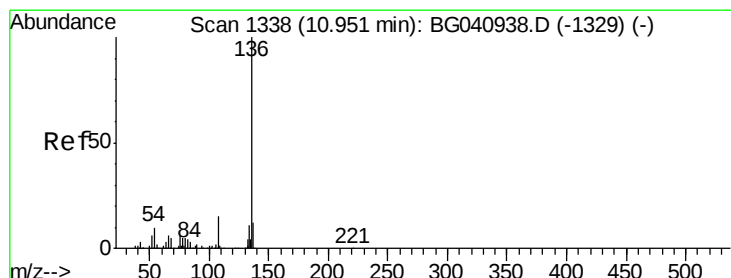
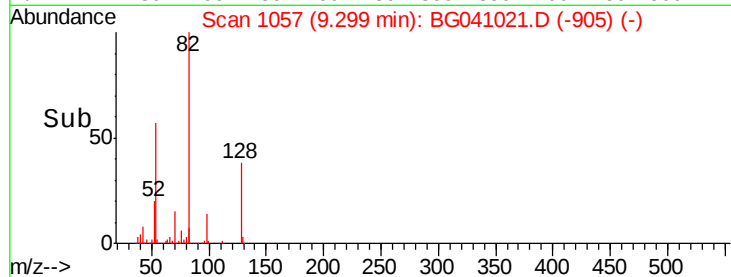
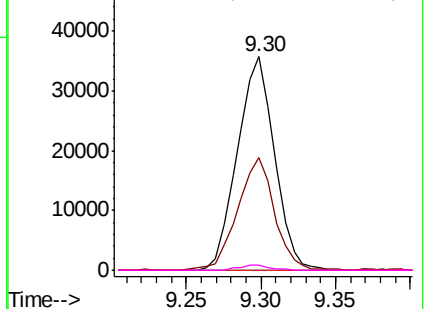
Abundance

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: BG041021.D

Acq: 1 Jun 2019 20:37

Tgt Ion: 136 Resp: 233602

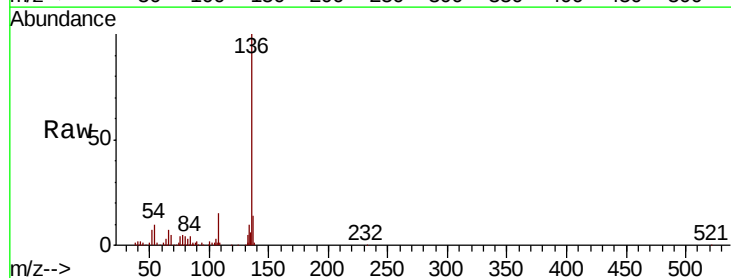
Ion Ratio Lower Upper

136 100

137 13.7 9.5 14.3

54 10.2 7.6 11.4

68 5.4 3.9 5.9



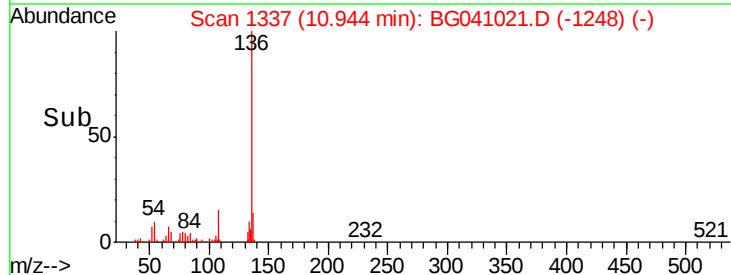
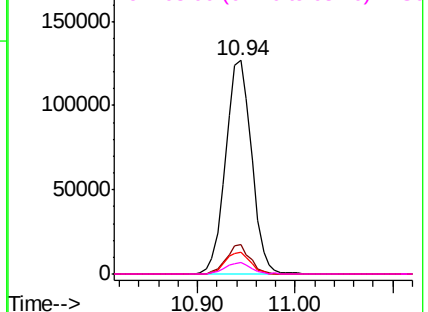
Abundance

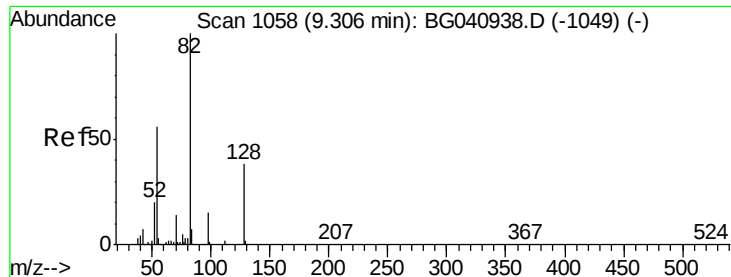
Ion 136.00 (135.70 to 136.70): BGC

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

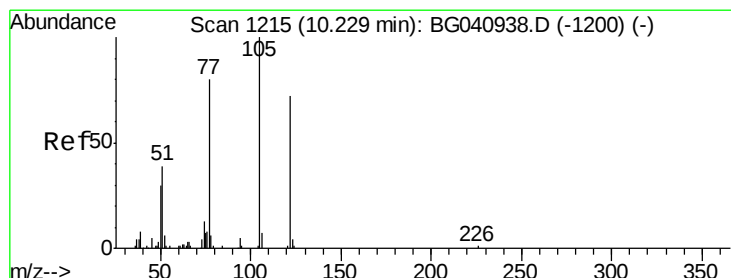
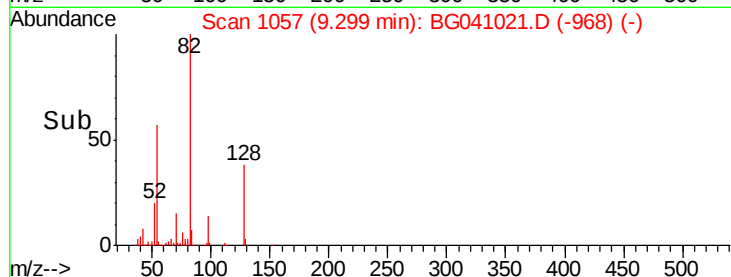
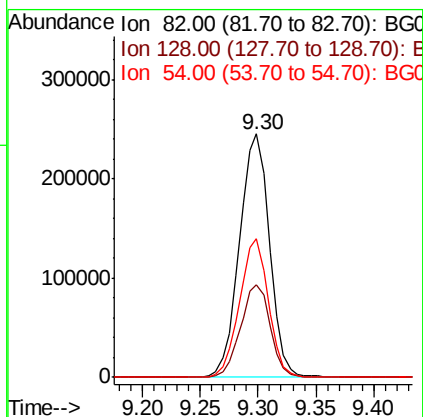
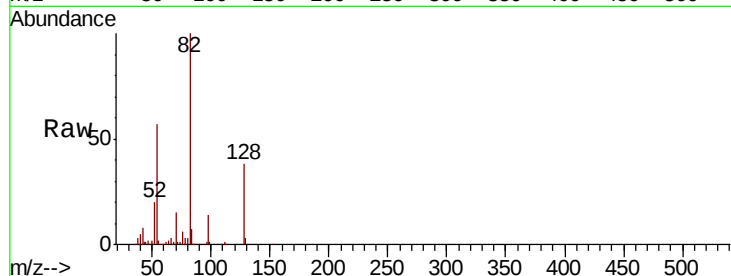




#23
 Nitrobenzene-d5
 Concen: 84.053 ng
 RT: 9.30 min Scan# 1057
 Delta R.T. -0.01 min
 Lab File: BG041021.D
 Acq: 1 Jun 2019 20:37

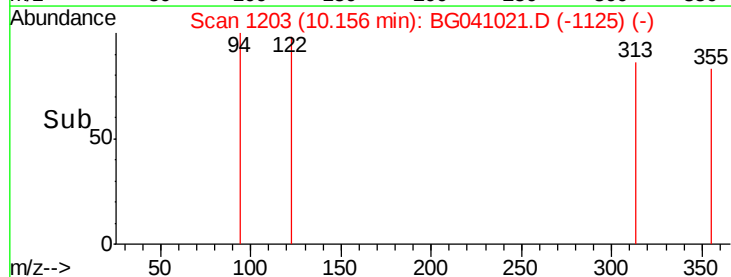
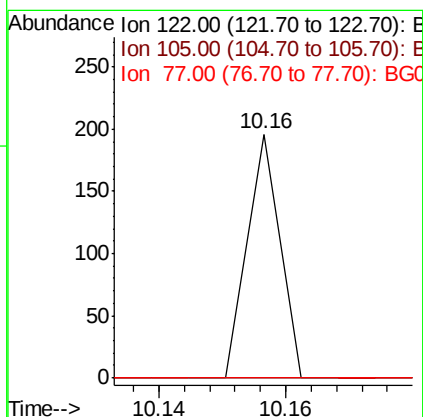
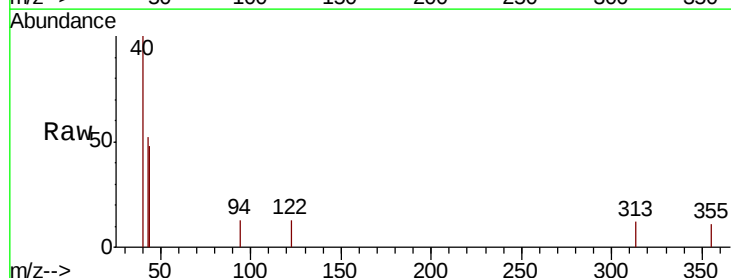
Instrument :
 BNA_G
 ClientSampleId :
 0421-HR-1(HACKENSACK)

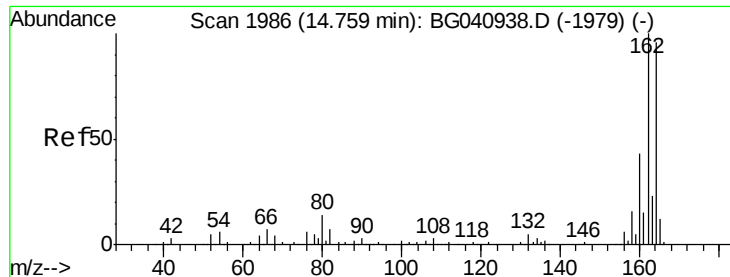
Tot Ion	82	Resp	442292
Ion Ratio	Lower	Upper	
82	100		
128	38.1	30.5	45.7
54	56.7	44.6	66.8



#32
 Benzoic acid
 Concen: 8.150 ng
 RT: 10.16 min Scan# 1203
 Delta R.T. -0.07 min
 Lab File: BG041021.D
 Acq: 1 Jun 2019 20:37

Tgt Ion	122	Resp	69
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: BG041021.D

Acq: 1 Jun 2019 20:37

Instrument :

BNA_G

ClientSampleId :

0421-HR-1(HACKENSACK)

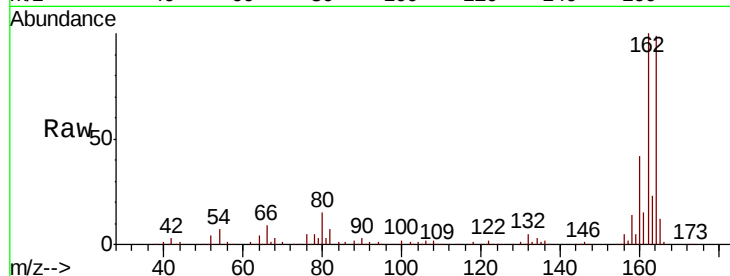
Tot Ion:164 Resp: 173918

Ion Ratio Lower Upper

164 100

162 101.4 83.0 124.4

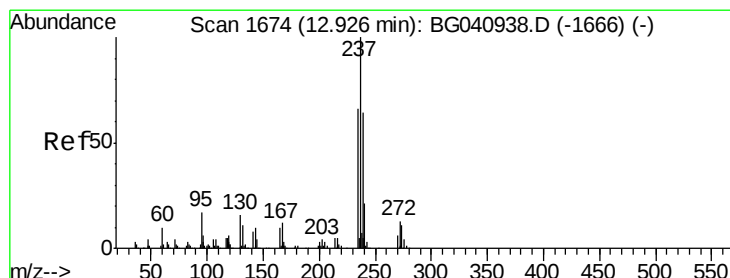
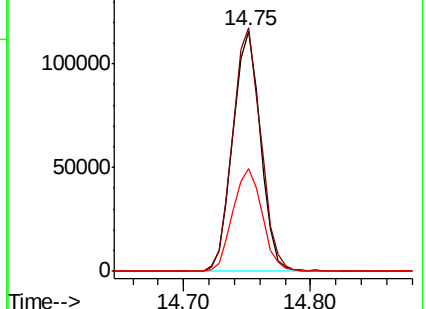
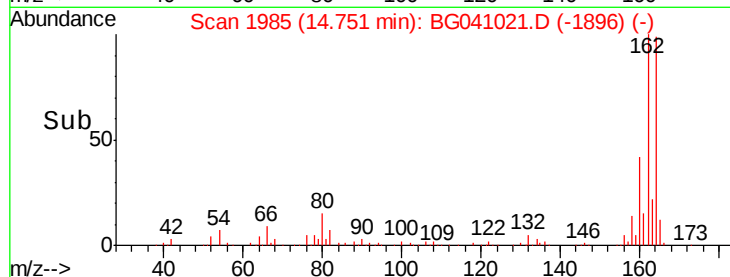
160 43.0 35.6 53.4



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: 8.250 ng

RT: 12.98 min Scan# 1684

Delta R.T. 0.06 min

Lab File: BG041021.D

Acq: 1 Jun 2019 20:37

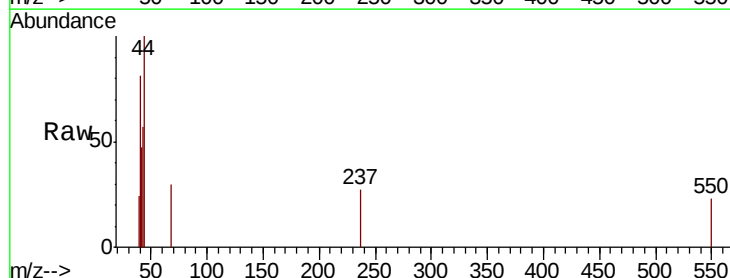
Tgt Ion:237 Resp: 63

Ion Ratio Lower Upper

237 100

235 0.0 45.5 85.5#

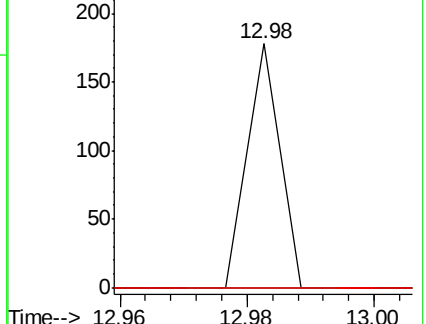
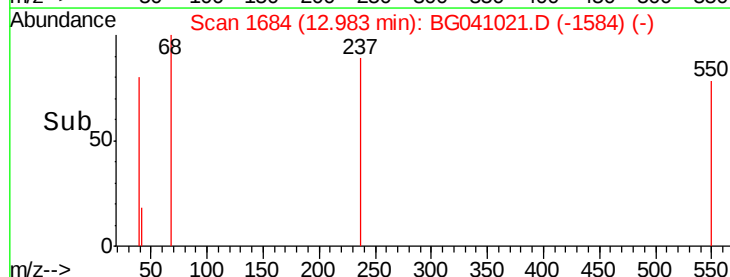
272 0.0 0.0 32.9

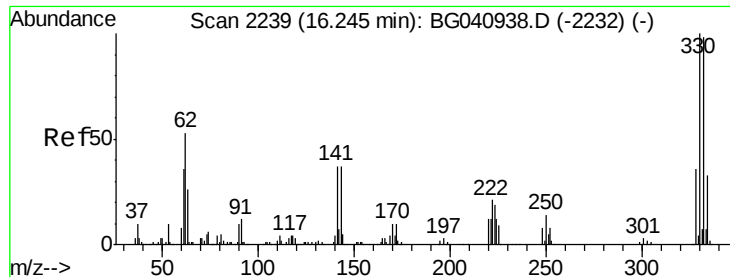


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#42

2,4,6-Tribromophenol

Concen: 130.046 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG041021.D

Acq: 1 Jun 2019 20:37

Instrument :

BNA_G

ClientSampleId :

0421-HR-1(HACKENSACK)

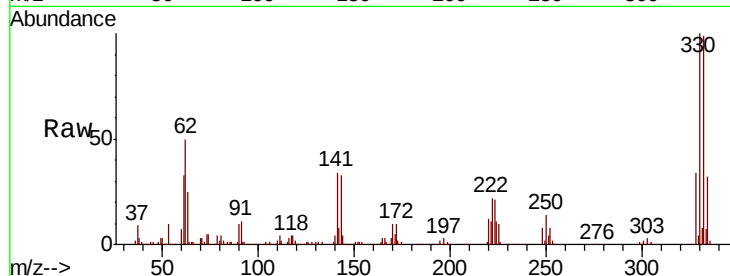
Tot Ion:330 Resp: 335769

Ion Ratio Lower Upper

330 100

332 97.7 78.5 117.7

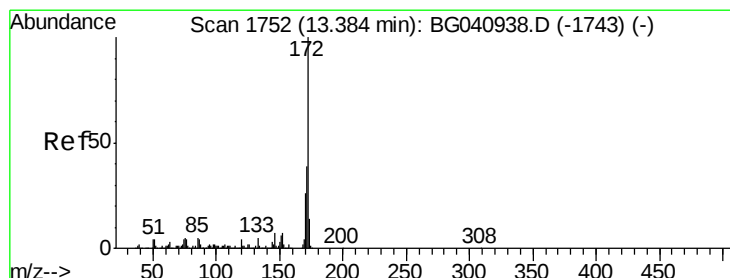
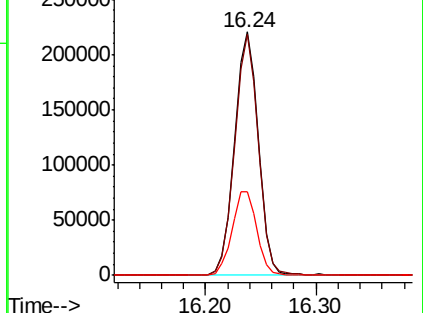
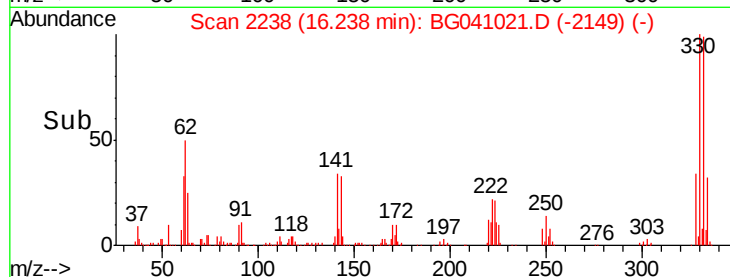
141 35.6 28.7 43.1



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: 80.553 ng

RT: 13.38 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BG041021.D

Acq: 1 Jun 2019 20:37

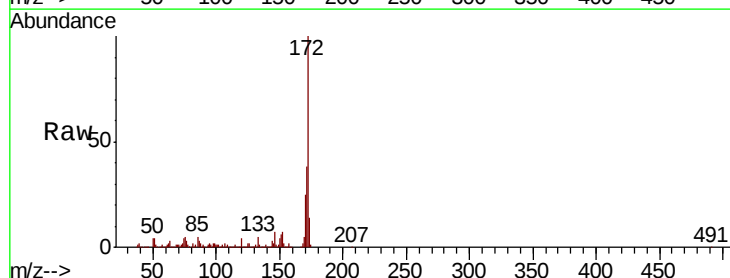
Tgt Ion:172 Resp: 972814

Ion Ratio Lower Upper

172 100

171 38.1 31.1 46.7

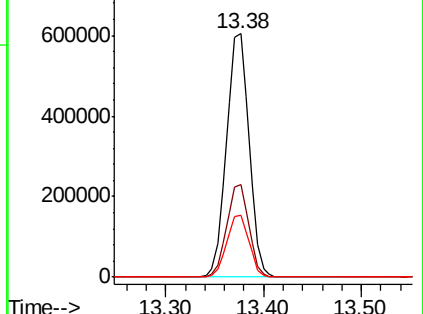
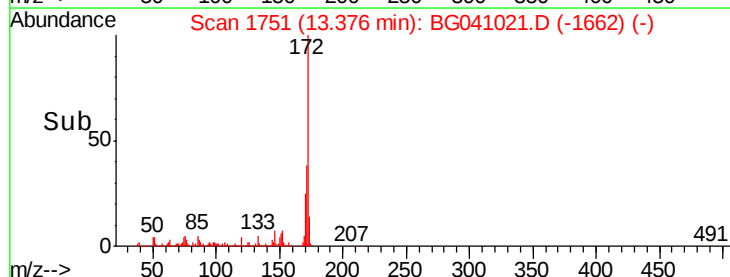
170 25.4 20.5 30.7

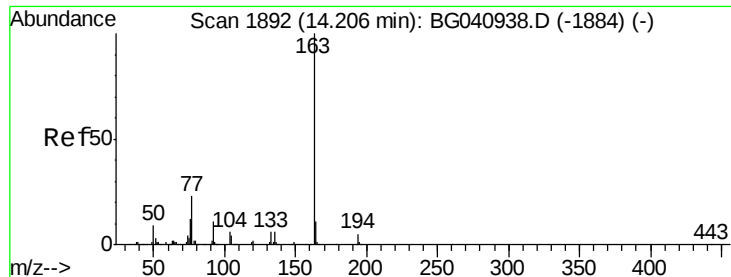


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

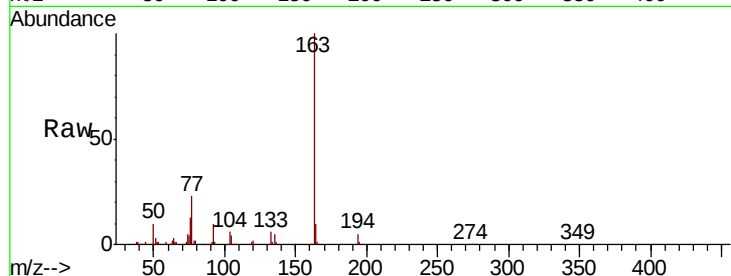




#50
Dimethylphthalate
Concen: 13.396 ng
RT: 14.19 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG041021.D
Acq: 1 Jun 2019 20:37

Instrument :
BNA_G
ClientSampleId :
0421-HR-1(HACKENSACK)

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.8	5.8
164	10.5	8.7	13.1

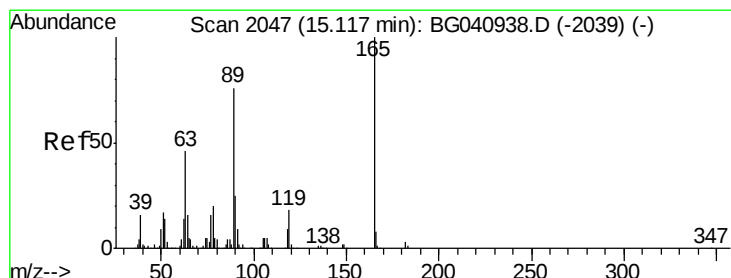
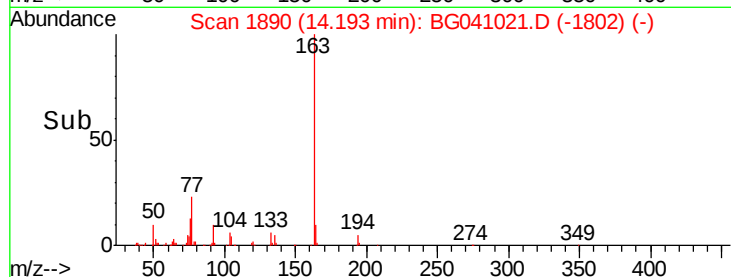
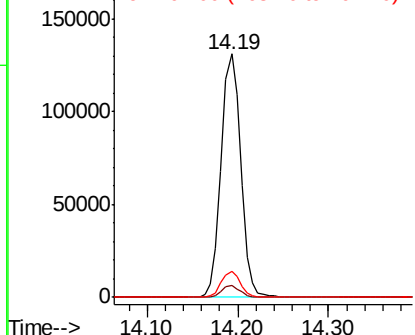


Abundance

Ion 163.00 (162.70 to 163.70): E

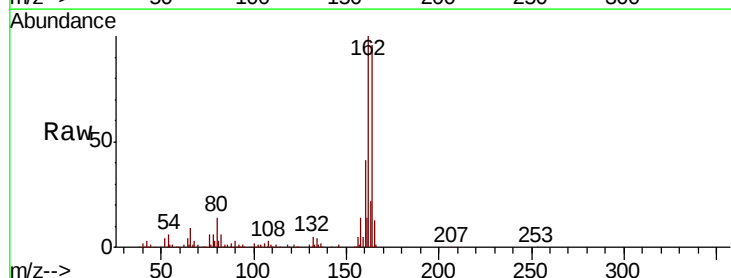
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57
2,4-Dinitrotoluene
Concen: 4.929 ng
RT: 14.75 min Scan# 1984
Delta R.T. -0.37 min
Lab File: BG041021.D
Acq: 1 Jun 2019 20:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.3	55.9#
89	1.8	61.0	91.6#
182	0.0	2.2	3.2#



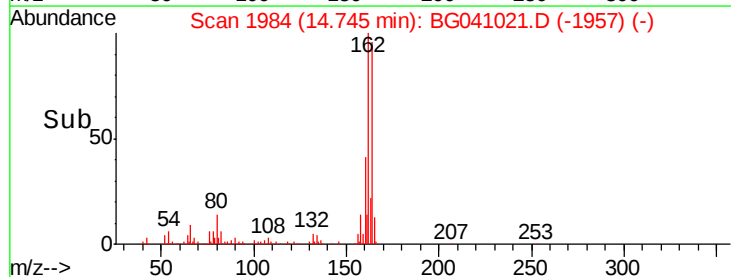
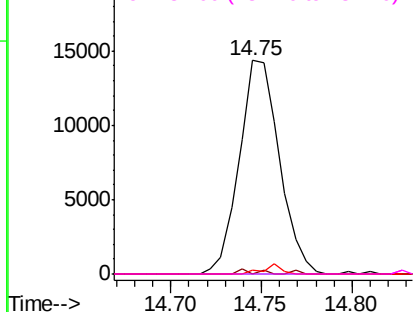
Abundance

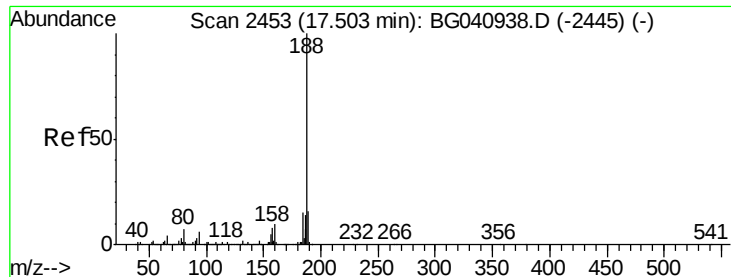
Ion 165.00 (164.70 to 165.70): E

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: BG041021.D

Acq: 1 Jun 2019 20:37

Instrument :

BNA_G

ClientSampleId :

0421-HR-1(HACKENSACK)

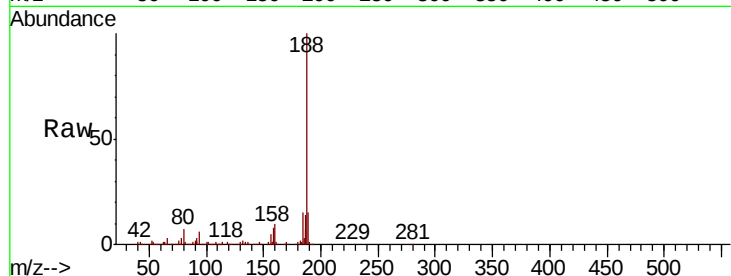
Tot Ion:188 Resp: 420886

Ion Ratio Lower Upper

188 100

94 6.0 4.7 7.1

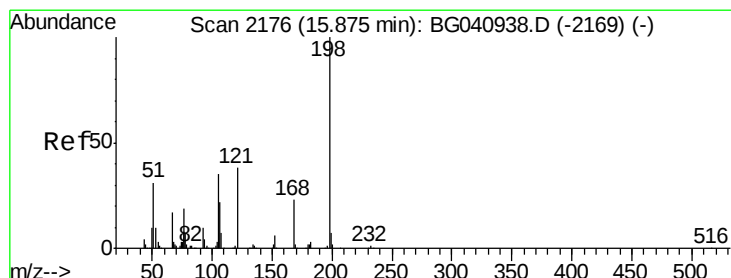
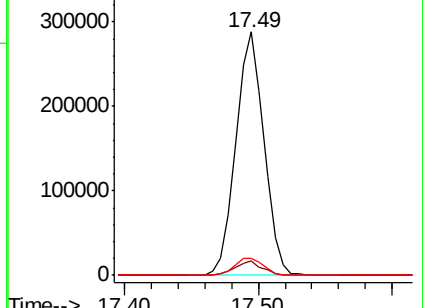
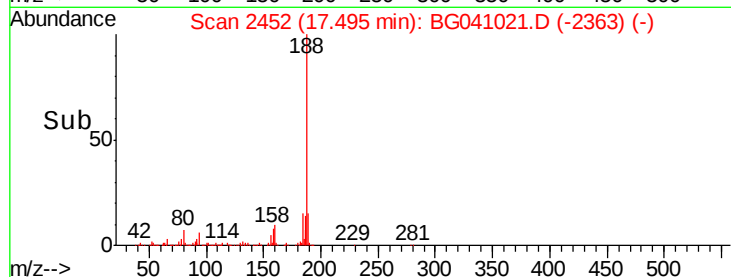
80 6.8 5.8 8.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 8.972 ng

RT: 16.23 min Scan# 2237

Delta R.T. 0.36 min

Lab File: BG041021.D

Acq: 1 Jun 2019 20:37

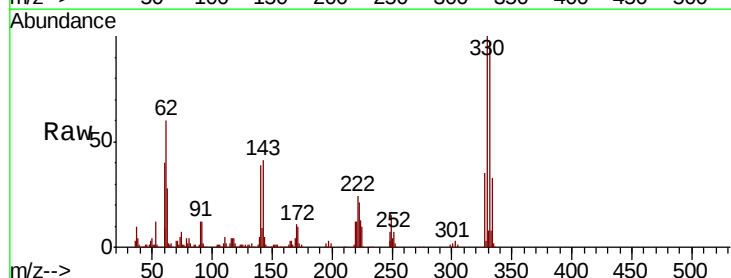
Tgt Ion:198 Resp: 1050

Ion Ratio Lower Upper

198 100

51 107.5 21.6 61.6#

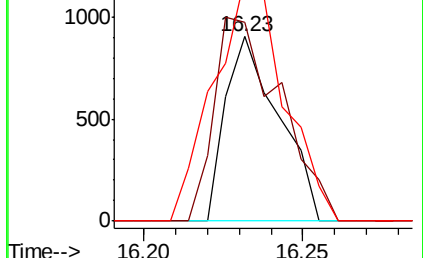
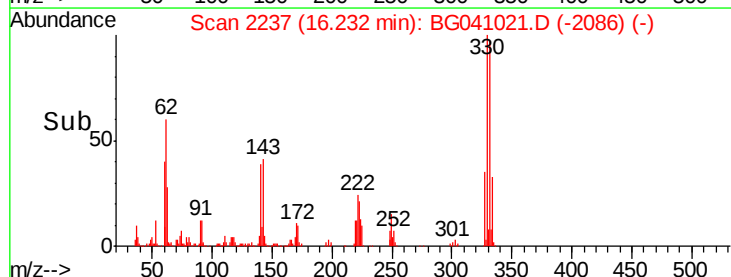
105 132.1 17.5 57.5#

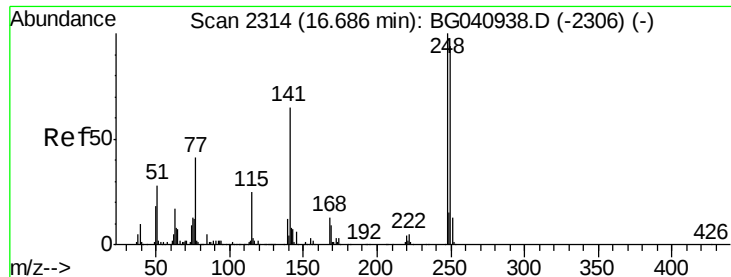


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.363 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.45 min

Lab File: BG041021.D

Acq: 1 Jun 2019 20:37

Instrument :

BNA_G

ClientSampleId :

0421-HR-1(HACKENSACK)

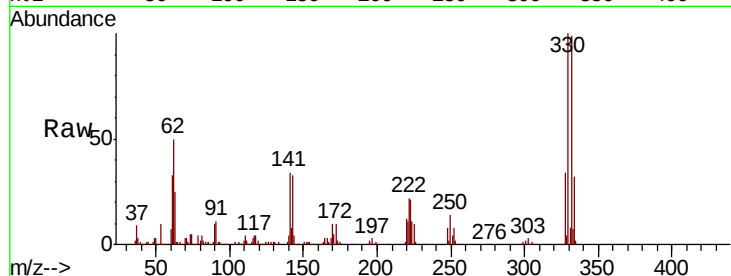
Tot Ion:248 Resp: 24781

Ion Ratio Lower Upper

248 100

250 191.4 75.0 112.4#

141 454.5 52.4 78.6#

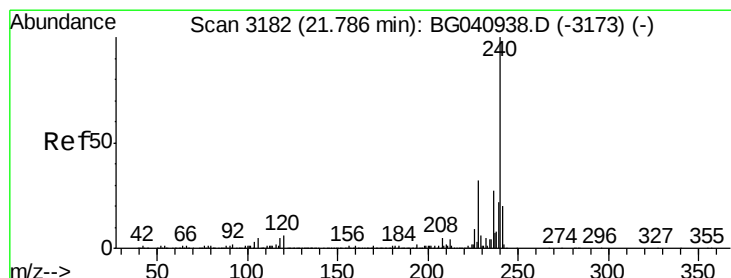
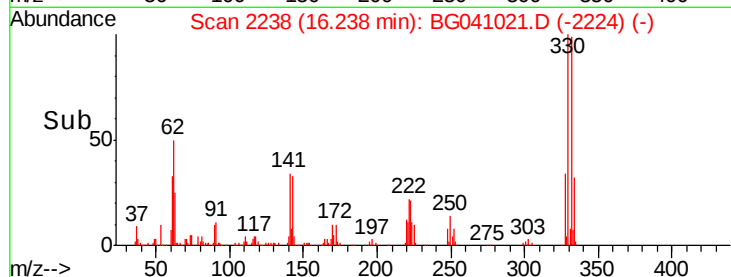
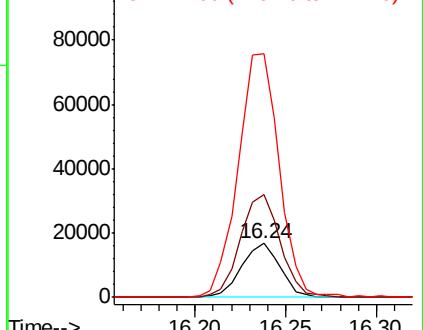


Abundance

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: BG041021.D

Acq: 1 Jun 2019 20:37

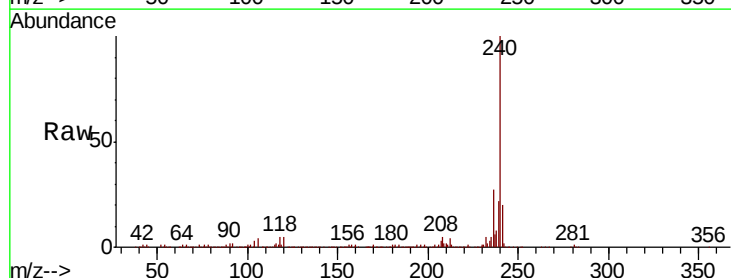
Tgt Ion:240 Resp: 406950

Ion Ratio Lower Upper

240 100

120 5.1 4.5 6.7

236 26.8 21.3 31.9

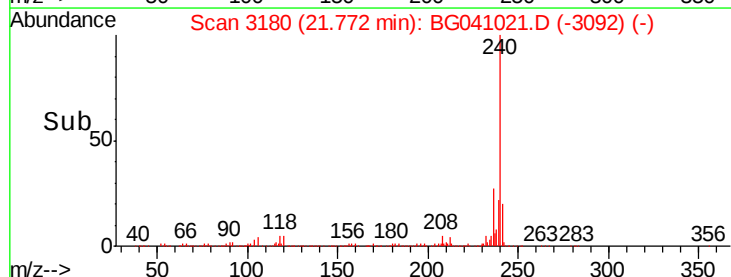
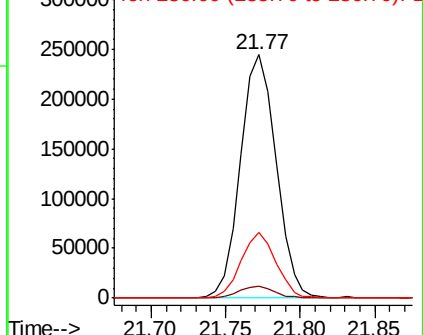


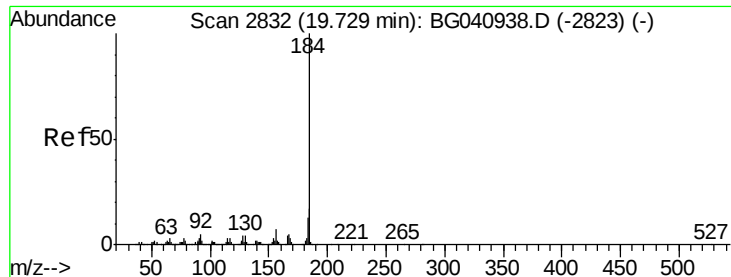
Abundance

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: 2.816 ng

RT: 20.09 min Scan# 2894

Delta R.T. 0.36 min

Lab File: BG041021.D

Acq: 1 Jun 2019 20:37

Instrument :

BNA_G

ClientSampleId :

0421-HR-1(HACKENSACK)

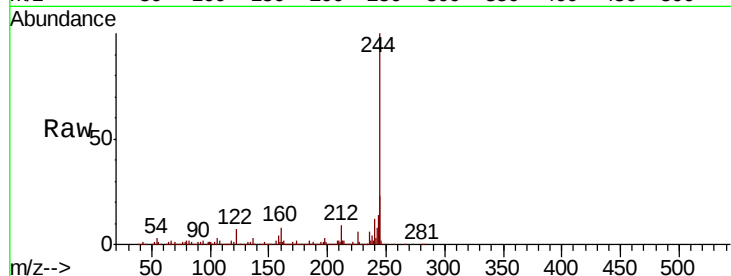
Tot Ion:184 Resp: 27338

Ion Ratio Lower Upper

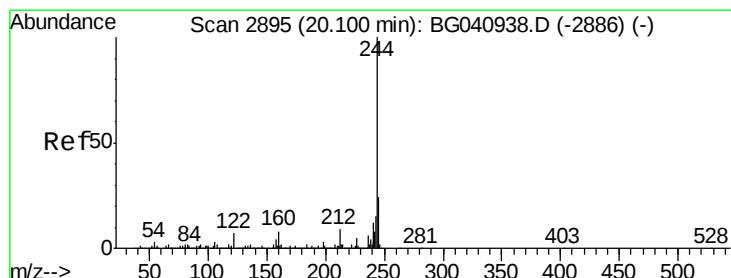
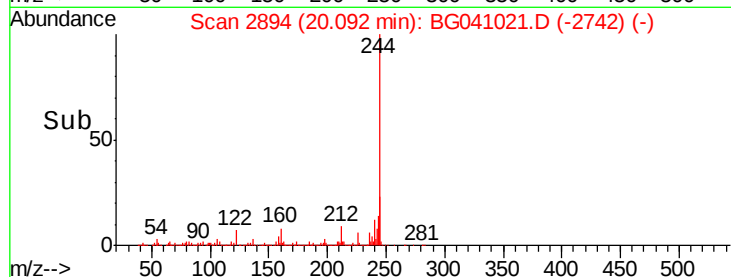
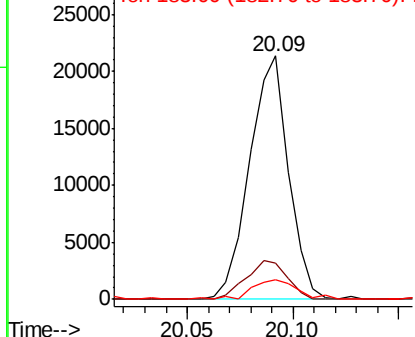
184 100

185 15.0 13.3 19.9

183 7.8 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: 80.610 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG041021.D

Acq: 1 Jun 2019 20:37

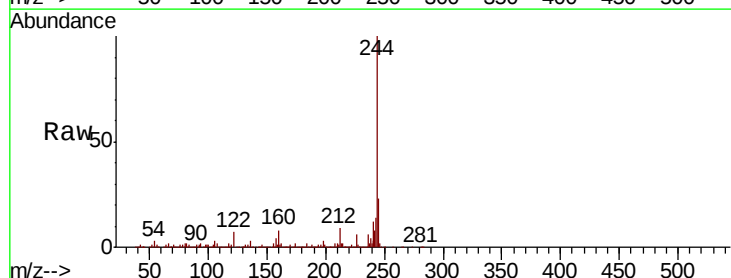
Tgt Ion:244 Resp: 1545665

Ion Ratio Lower Upper

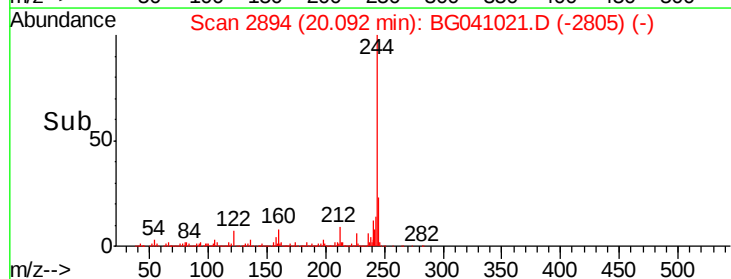
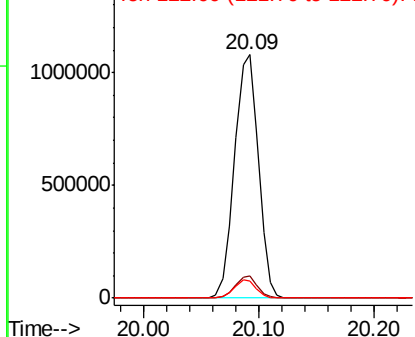
244 100

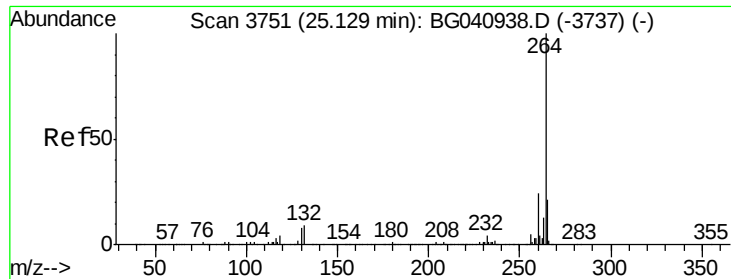
212 9.0 7.0 10.4

122 6.9 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
Pervlone-d12
Concen: 20.000 ng
RT: 25.11 min Scan# 3748
Delta R.T. -0.02 min
Lab File: BG041021.D
Acq: 1 Jun 2019 20:37

Instrument :
BNA_G
ClientSampleId :
0421-HR-1(HACKENSACK)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.4
265	23.7	17.0	25.4

