

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060119\
 Data File : BG041020.D
 Acq On : 1 Jun 2019 19:59
 Operator : HP/JU
 Sample : K3106-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 71-70

Quant Time: Jun 03 01:14:56 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

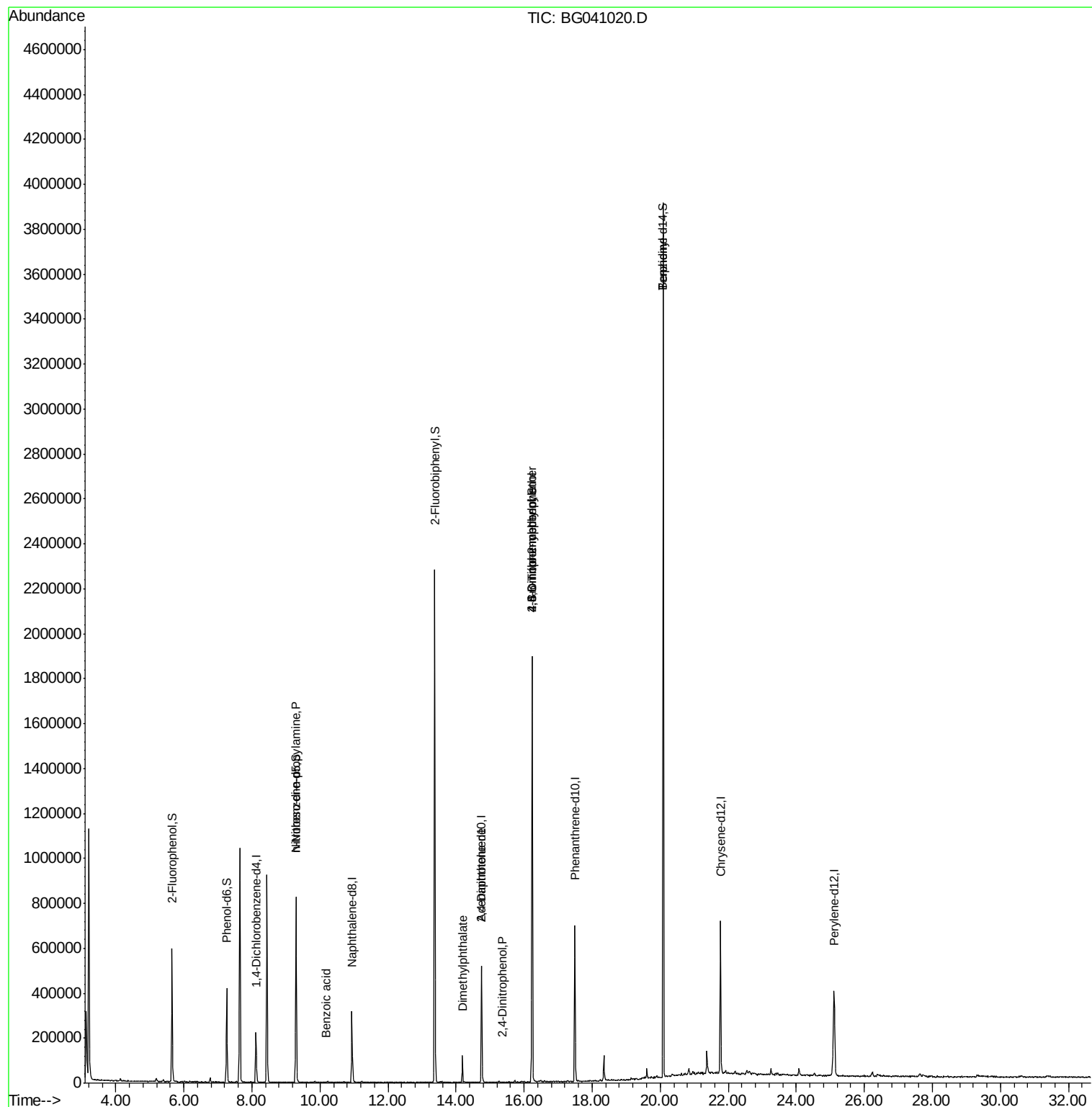
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	60576	20.00	ng	-0.01
21) Naphthalene-d8	10.94	136	251117	20.00	ng	-0.01
39) Acenaphthene-d10	14.75	164	181635	20.00	ng	-0.01
64) Phenanthrene-d10	17.49	188	429397	20.00	ng	-0.01
76) Chrysene-d12	21.78	240	420138	20.00	ng	-0.01
87) Perylene-d12	25.11	264	452459	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	227928	67.85	ng	0.00
7) Phenol-d6	7.26	99	224708	43.31	ng	-0.01
23) Nitrobenzene-d5	9.30	82	482797	85.35	ng	-0.01
42) 2,4,6-Tribromophenol	16.23	330	345854	128.26	ng	-0.01
45) 2-Fluorobiphenyl	13.37	172	1112102	88.17	ng	-0.01
79) Terphenyl-d14	20.09	244	1757938	88.80	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.30	70	70660	17.698	ng	# 75
32) Benzoic acid	10.19	122	57	8.146	ng	# 37
50) Dimethylphthalate	14.19	163	71677	4.662	ng	# 95
54) 2,4-Dinitrophenol	15.36	184	54	8.290	ng	# 18
57) 2,4-Dinitrotoluene	14.75	165	23041	4.920	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.23	198	1044	8.962	ng	# 1
67) 4-Bromophenyl-phenylether	16.23	248	26493	4.572	ng	# 1
77) Benzidine	20.09	184	31705	3.163	ng	# 92

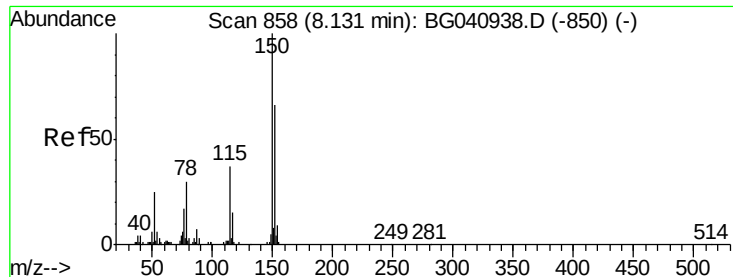
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060119\
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Instrument :
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ClientSampleId :
71-70

Quant Time: Jun 03 01:14:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
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QLast Update : Wed May 29 18:39:57 2019
Response via : Initial Calibration



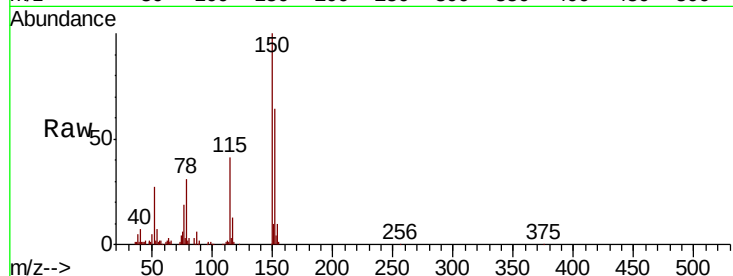


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG041020.D
Acq: 1 Jun 2019 19:59

Instrument :
BNA_G
ClientSampleId :
71-70

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	120.6	180.8
115	64.2	45.1	67.7

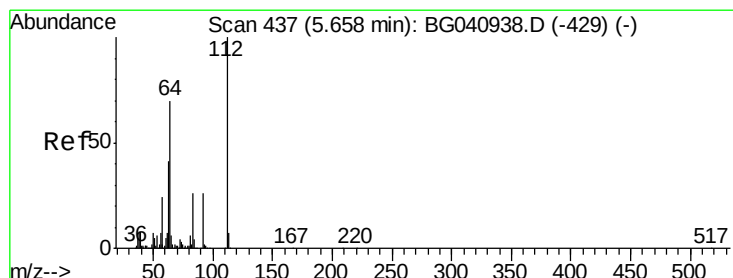
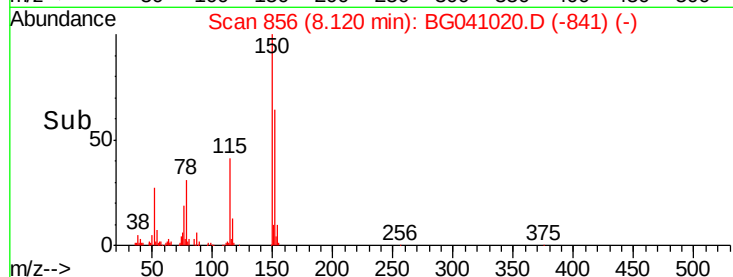
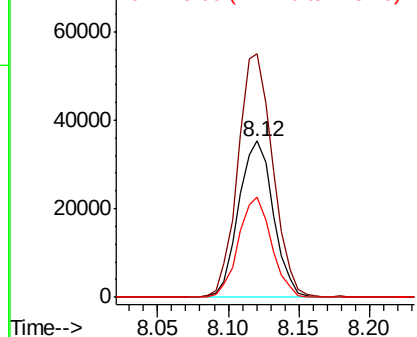


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

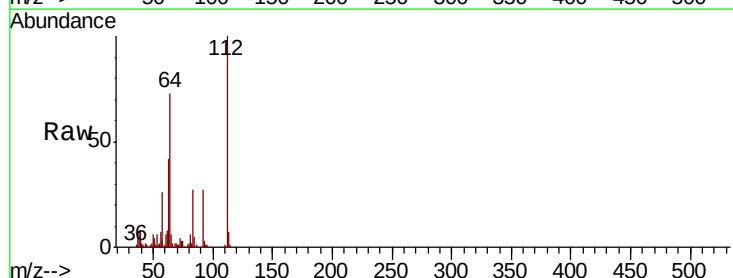
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 67.849 ng
RT: 5.65 min Scan# 436
Delta R.T. -0.00 min
Lab File: BG041020.D
Acq: 1 Jun 2019 19:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.6	56.2	84.2
63	42.0	32.8	49.2

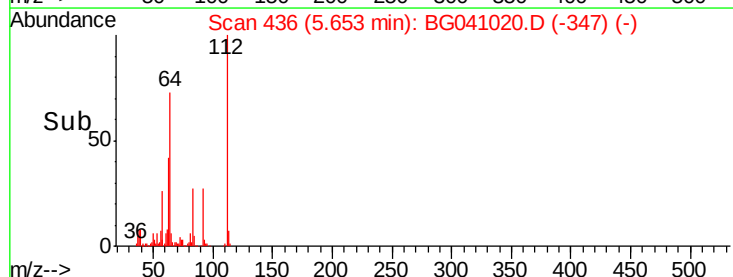
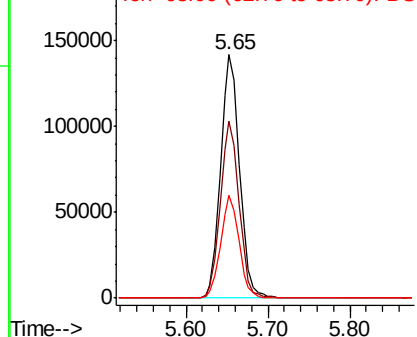


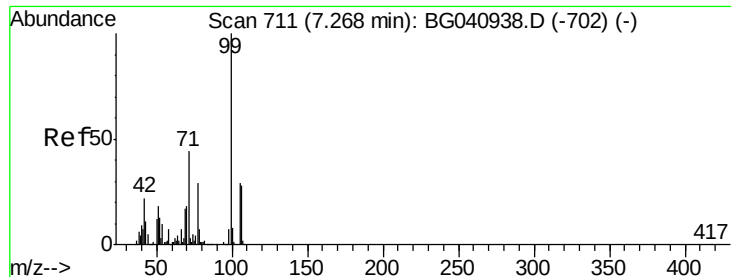
Abundance

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: 43.312 ng

RT: 7.26 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG041020.D

Acq: 1 Jun 2019 19:59

Instrument :

BNA_G

ClientSampleId :

71-70

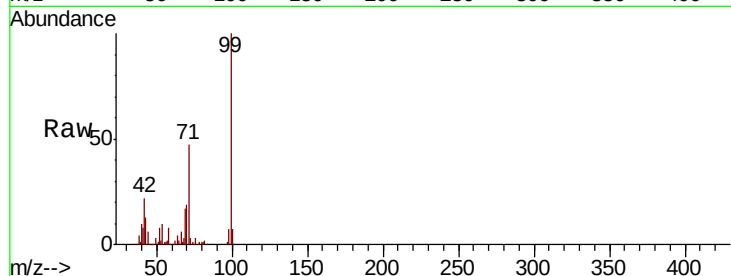
Tot Ion: 99 Resp: 224708

Ion Ratio Lower Upper

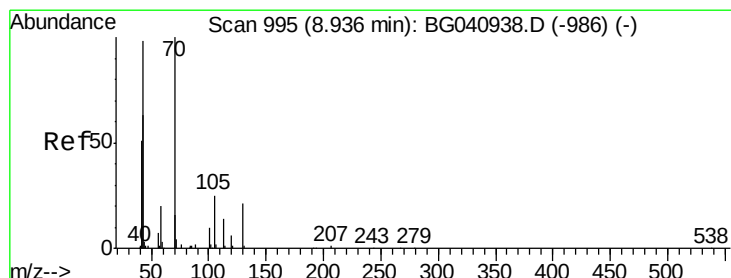
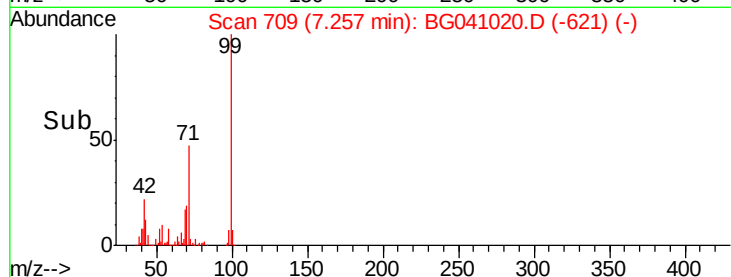
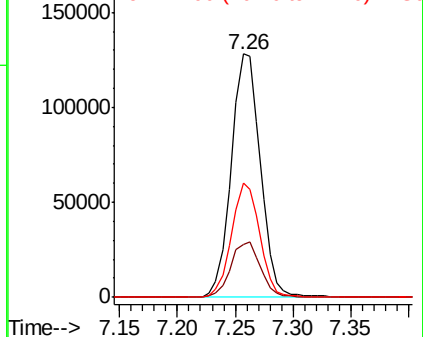
99 100

42 21.8 17.9 26.9

71 47.0 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: 17.698 ng

RT: 9.30 min Scan# 1056

Delta R.T. 0.36 min

Lab File: BG041020.D

Acq: 1 Jun 2019 19:59

Tgt Ion: 70 Resp: 70660

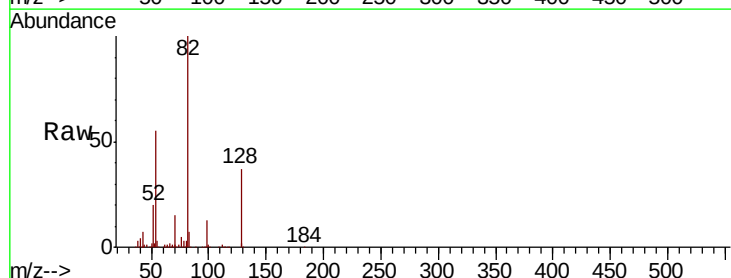
Ion Ratio Lower Upper

70 100

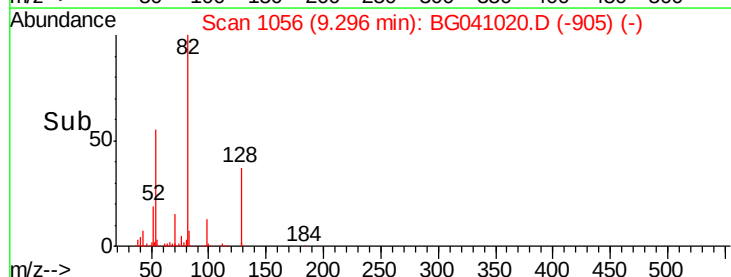
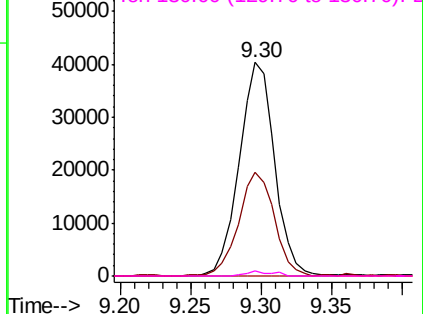
42 48.4 51.5 77.3#

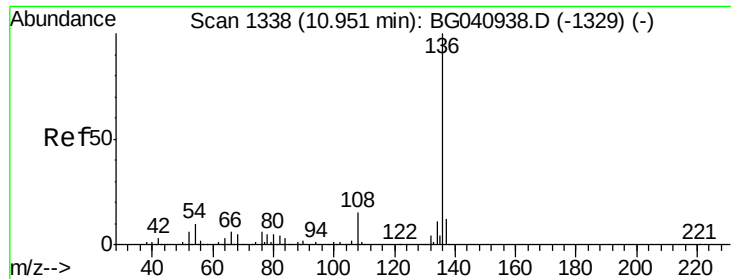
101 0.0 8.1 12.1#

130 2.3 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

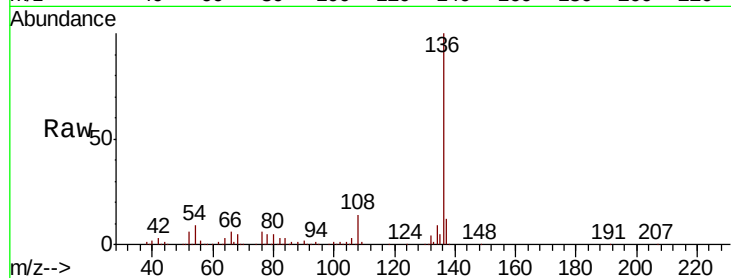




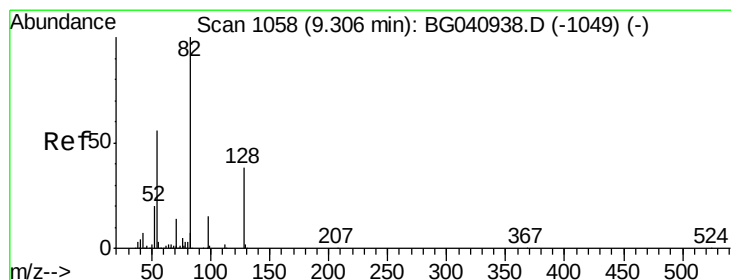
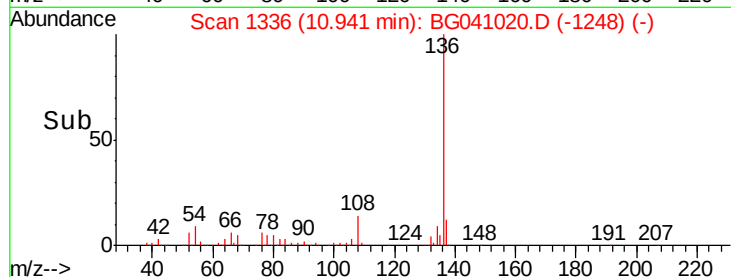
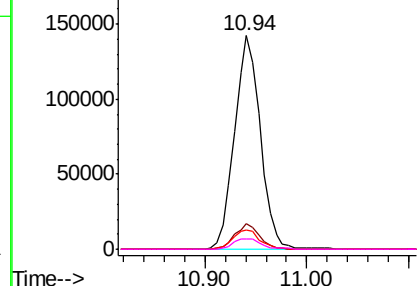
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BG041020.D
Acq: 1 Jun 2019 19:59

Instrument :
BNA_G
ClientSampled :
71-70

Tot Ion:136	Resp:	251117
Ion	Ratio	Lower Upper
136	100	
137	12.0	9.5 14.3
54	9.0	7.6 11.4
68	4.7	3.9 5.9

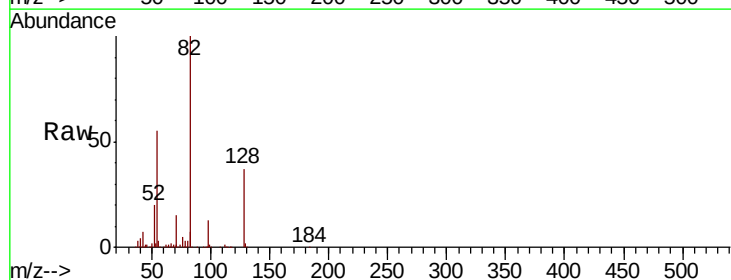


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

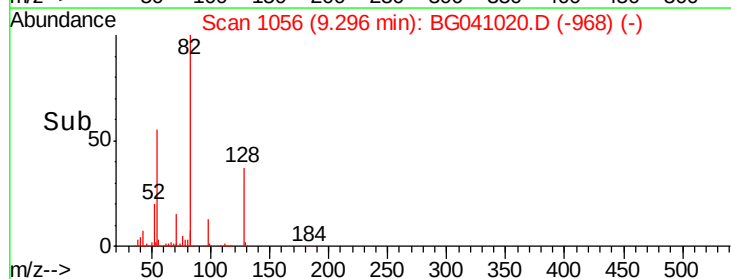
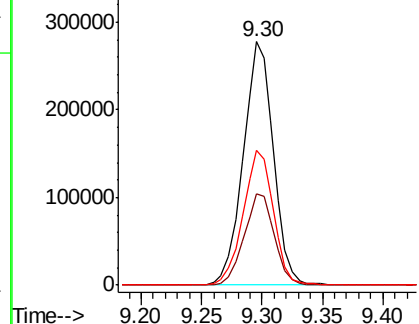


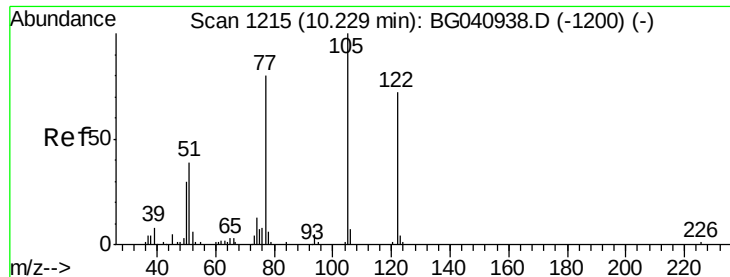
#23
Nitrobenzene-d5
Concen: 85.351 ng
RT: 9.30 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BG041020.D
Acq: 1 Jun 2019 19:59

Tgt Ion: 82	Resp:	482797
Ion	Ratio	Lower Upper
82	100	
128	37.5	30.5 45.7
54	55.3	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





#32

Benzoic acid

Concen: 8.146 ng

RT: 10.19 min Scan# 1209

Delta R.T. -0.03 min

Lab File: BG041020.D

Acq: 1 Jun 2019 19:59

Instrument :

BNA_G

ClientSampleId :

71-70

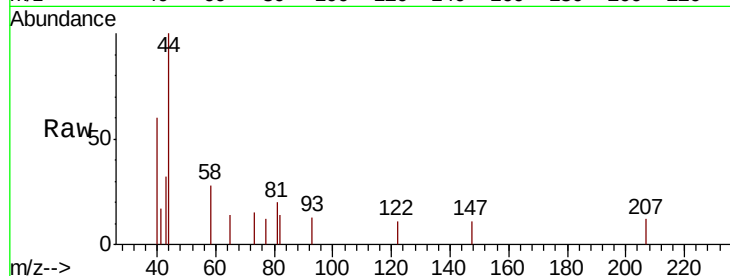
Tot Ion:122 Resp: 57

Ion Ratio Lower Upper

122 100

105 0.0 114.8 154.8#

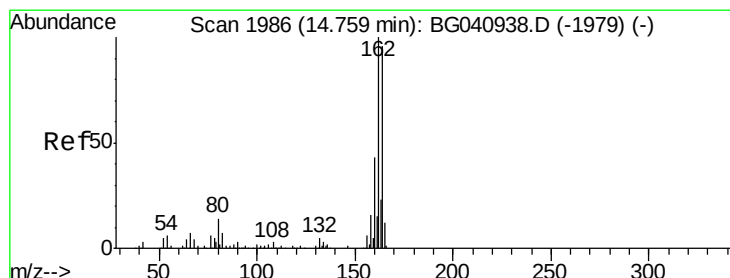
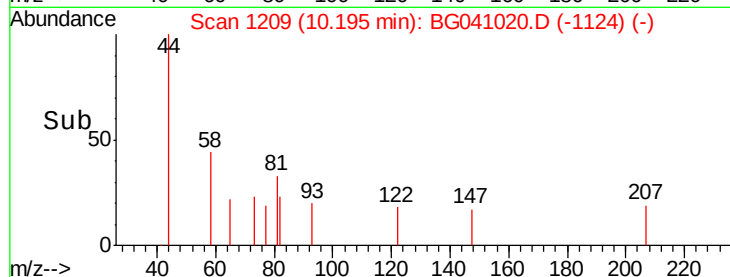
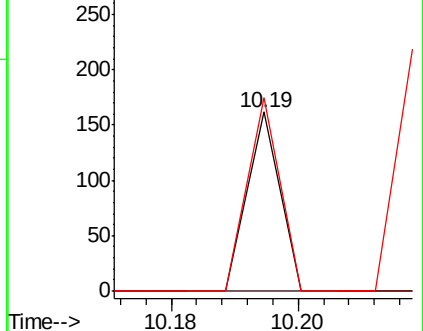
77 108.0 89.9 129.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BG041020.D

Acq: 1 Jun 2019 19:59

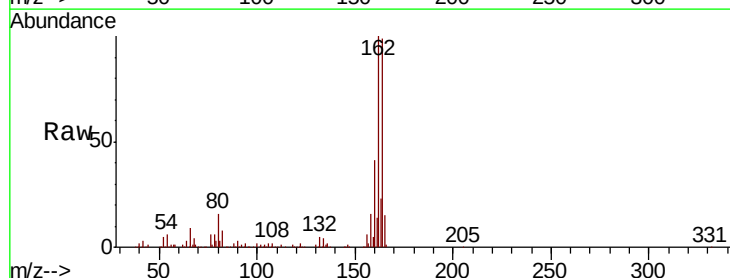
Tgt Ion:164 Resp: 181635

Ion Ratio Lower Upper

164 100

162 100.9 83.0 124.4

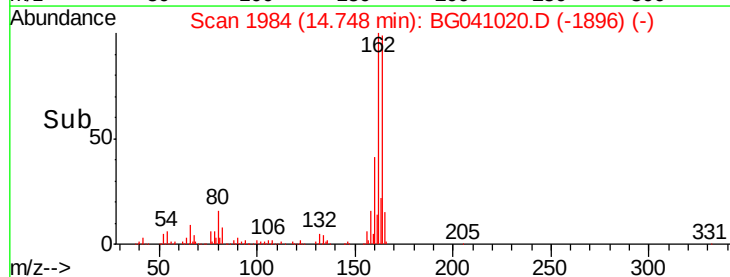
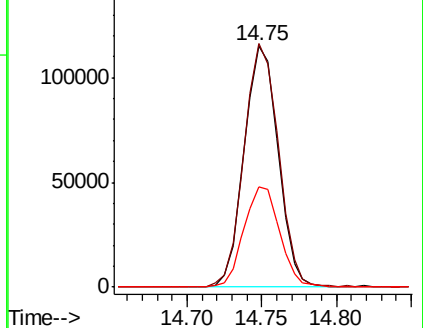
160 41.8 35.6 53.4

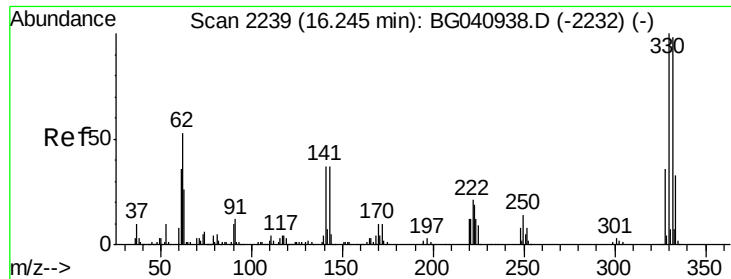


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

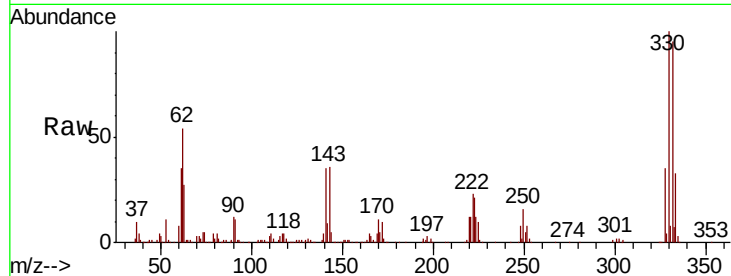




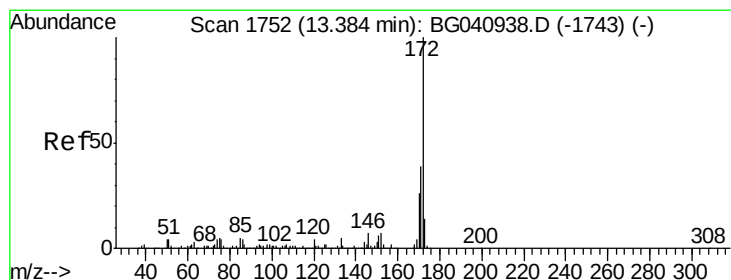
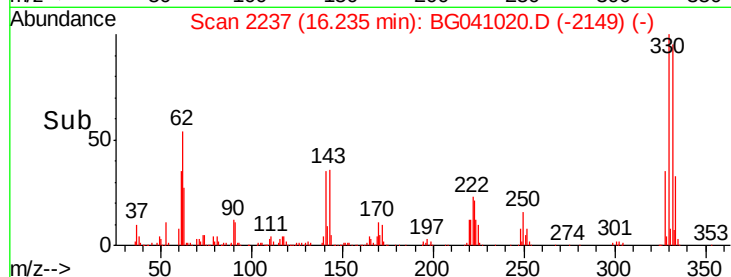
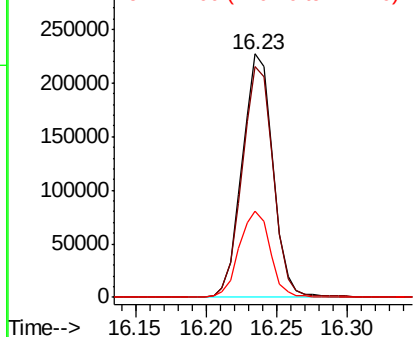
#42
 2,4,6-Tribromophenol
 Concen: 128.260 ng
 RT: 16.23 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: BG041020.D
 Acq: 1 Jun 2019 19:59

Instrument :
 BNA_G
 ClientSampleId :
 71-70

Tot Ion:330 Resp: 345854
 Ion Ratio Lower Upper
 330 100
 332 96.4 78.5 117.7
 141 35.9 28.7 43.1

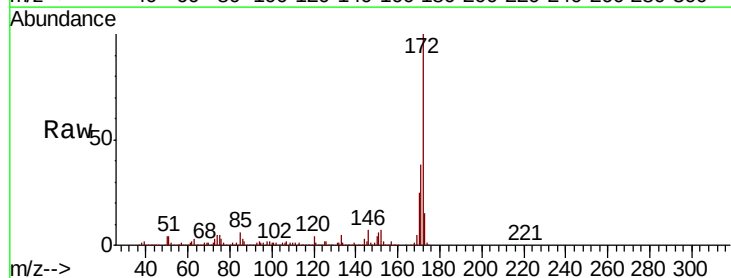


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

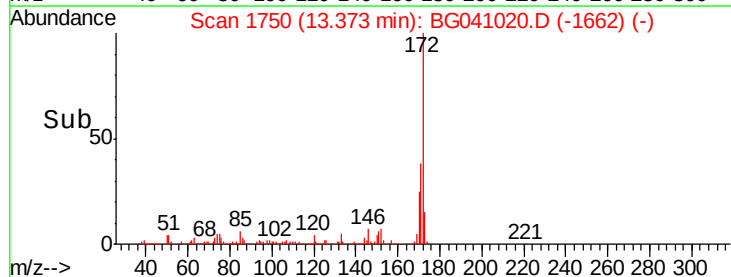
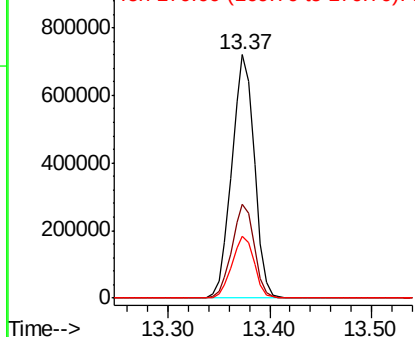


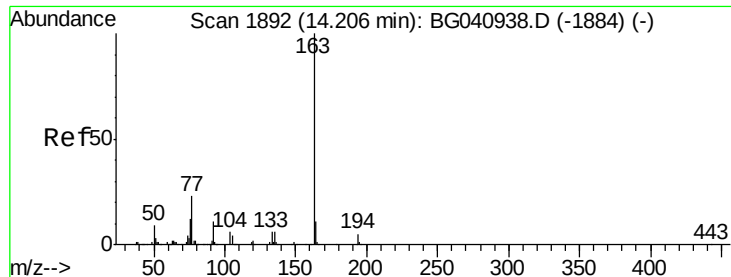
#45
 2-Fluorobiphenyl
 Concen: 88.174 ng
 RT: 13.37 min Scan# 1750
 Delta R.T. -0.01 min
 Lab File: BG041020.D
 Acq: 1 Jun 2019 19:59

Tgt Ion:172 Resp: 1112102
 Ion Ratio Lower Upper
 172 100
 171 38.4 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: 4.662 ng

RT: 14.19 min Scan# 1889

Delta R.T. -0.02 min

Lab File: BG041020.D

Acq: 1 Jun 2019 19:59

Instrument :

BNA_G

ClientSampleId :

71-70

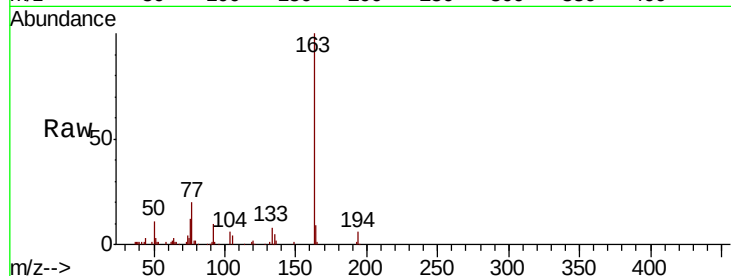
Tot Ion:163 Resp: 71677

Ion Ratio Lower Upper

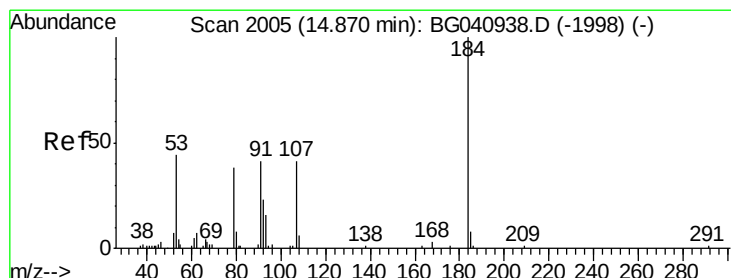
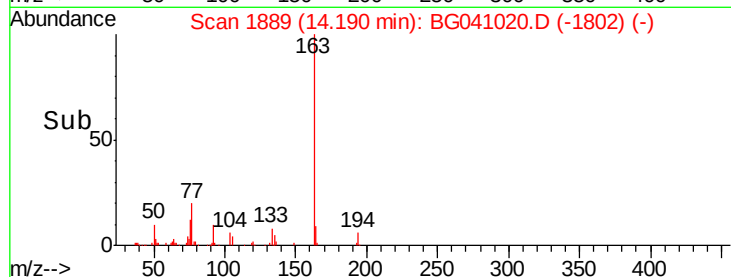
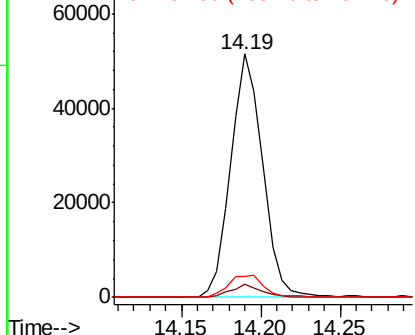
163 100

194 5.6 3.8 5.8

164 8.7 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: 8.290 ng

RT: 15.36 min Scan# 2088

Delta R.T. 0.49 min

Lab File: BG041020.D

Acq: 1 Jun 2019 19:59

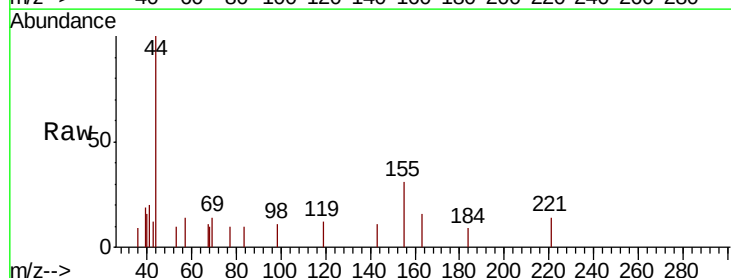
Tgt Ion:184 Resp: 54

Ion Ratio Lower Upper

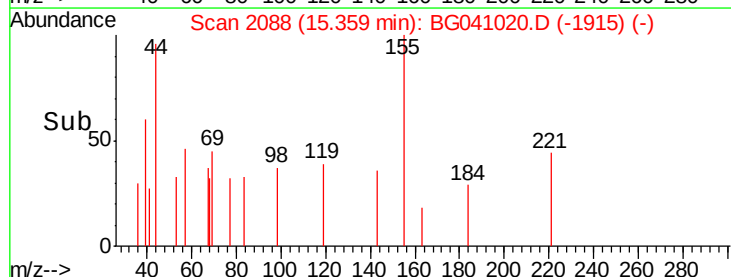
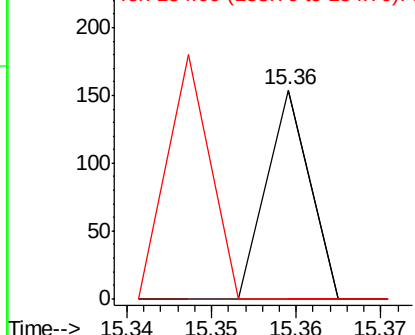
184 100

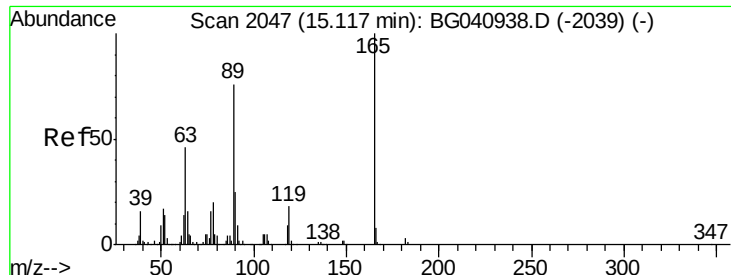
63 0.0 49.8 74.6#

154 0.0 52.2 78.4#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

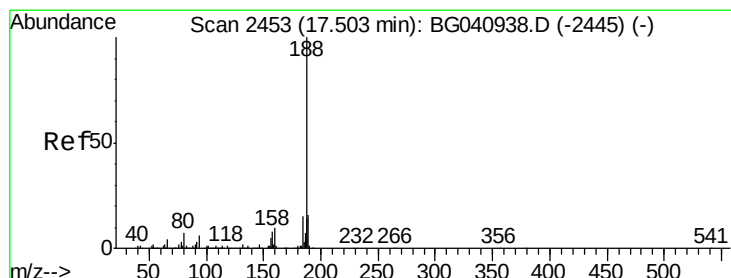
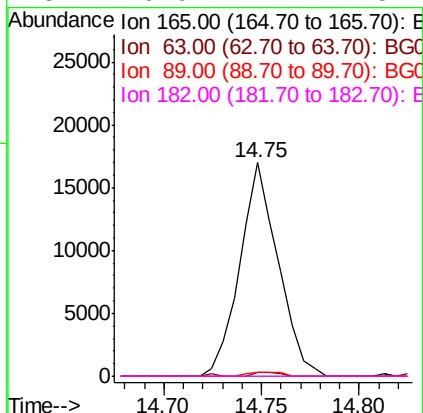
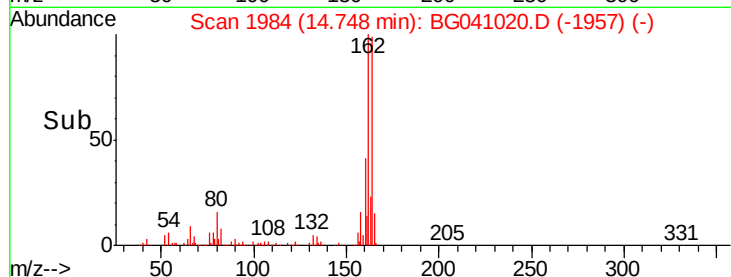
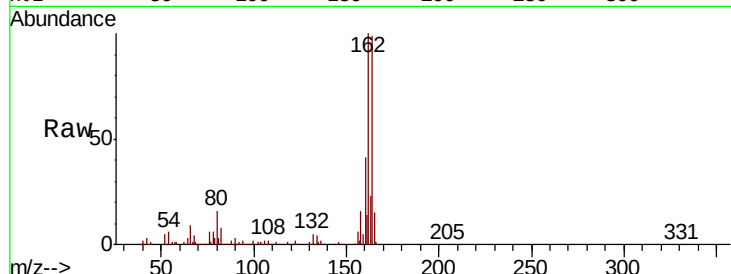




#57
 2,4-Dinitrotoluene
 Concen: 4.920 ng
 RT: 14.75 min Scan# 1984
 Delta R.T. -0.37 min
 Lab File: BG041020.D
 Acq: 1 Jun 2019 19:59

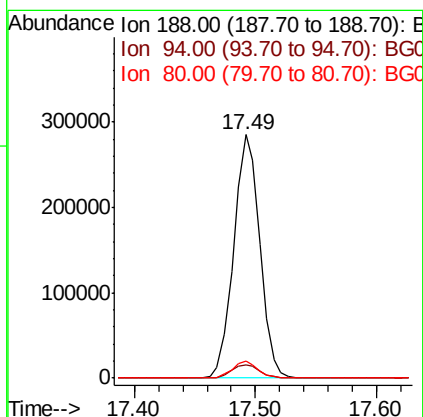
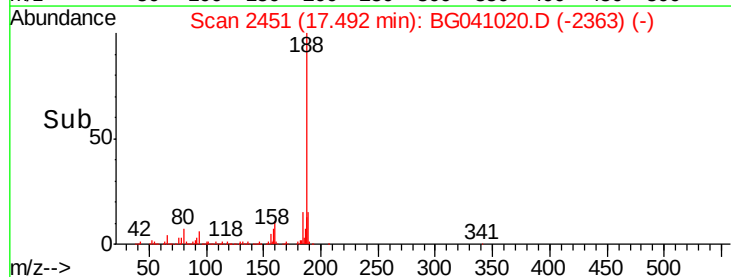
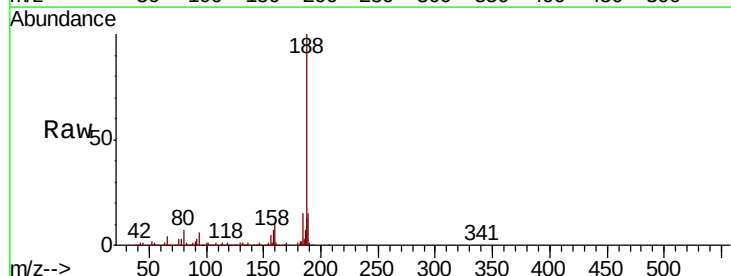
Instrument :
 BNA_G
 ClientSampleId :
 71-70

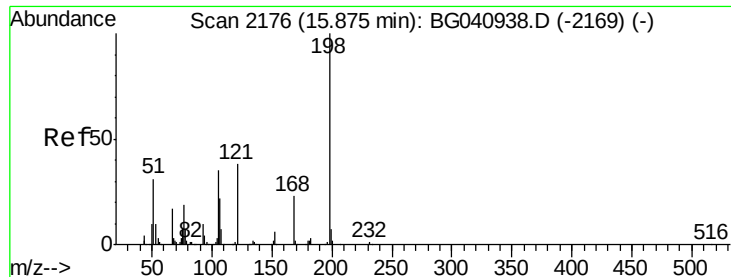
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	37.3	55.9#
89	1.6	61.0	91.6#
182	0.0	2.2	3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.49 min Scan# 2451
 Delta R.T. -0.01 min
 Lab File: BG041020.D
 Acq: 1 Jun 2019 19:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.6	4.7	7.1
80	7.1	5.8	8.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.962 ng

RT: 16.23 min Scan# 2237

Delta R.T. 0.36 min

Lab File: BG041020.D

Acq: 1 Jun 2019 19:59

Instrument :

BNA_G

ClientSampleId :

71-70

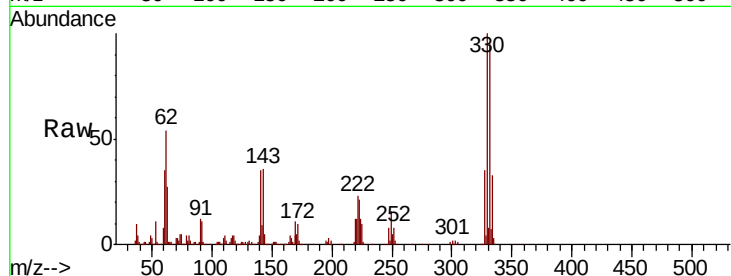
Tot Ion:198 Resp: 1044

Ion Ratio Lower Upper

198 100

51 91.8 21.6 61.6#

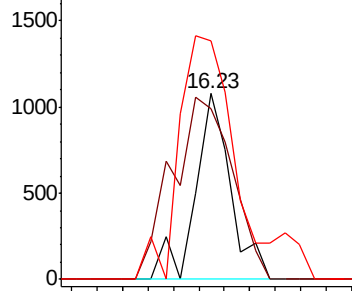
105 128.2 17.5 57.5#



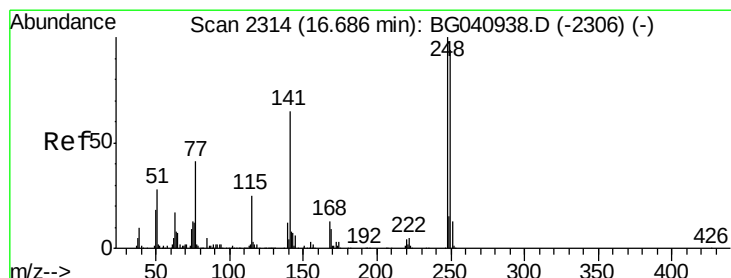
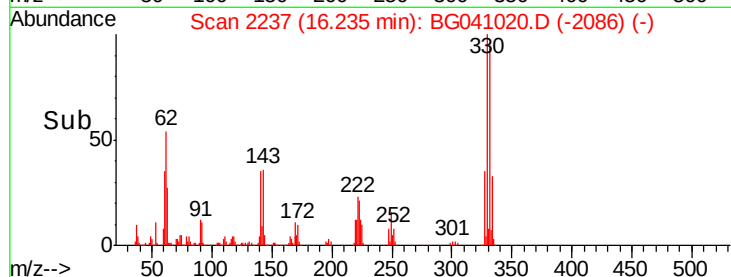
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.572 ng

RT: 16.23 min Scan# 2237

Delta R.T. -0.45 min

Lab File: BG041020.D

Acq: 1 Jun 2019 19:59

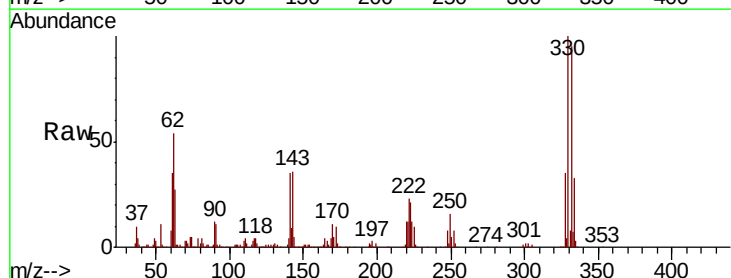
Tgt Ion:248 Resp: 26493

Ion Ratio Lower Upper

248 100

250 193.3 75.0 112.4#

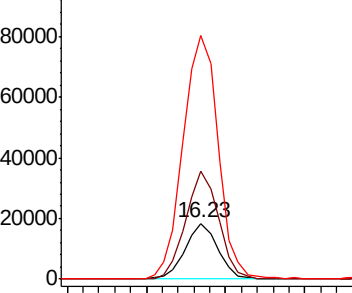
141 438.1 52.4 78.6#



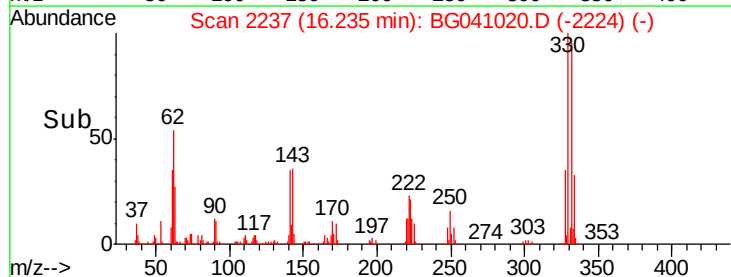
Abundance Ion 248.00 (247.70 to 248.70): E

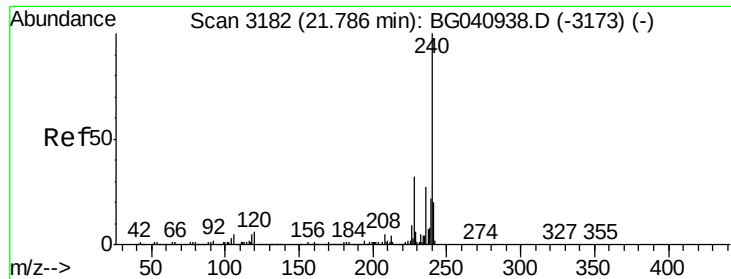
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.78 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BG041020.D

Acq: 1 Jun 2019 19:59

Instrument :

BNA_G

ClientSampleId :

71-70

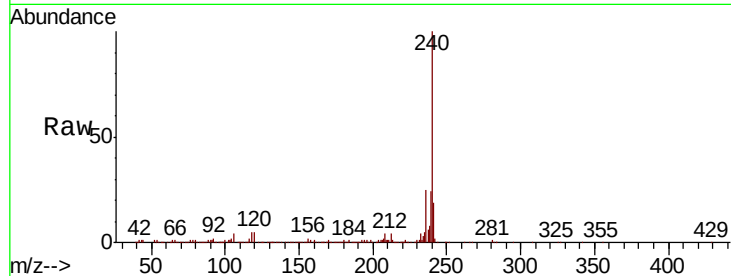
Tot Ion:240 Resp: 420138

Ion Ratio Lower Upper

240 100

120 5.1 4.5 6.7

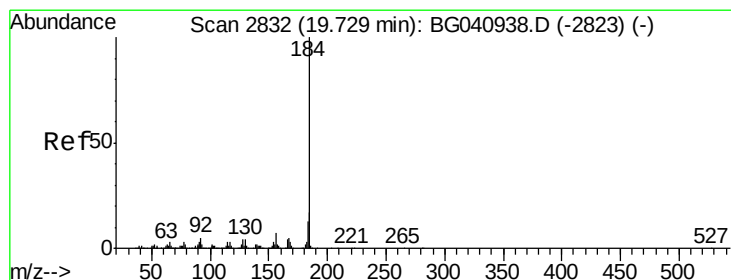
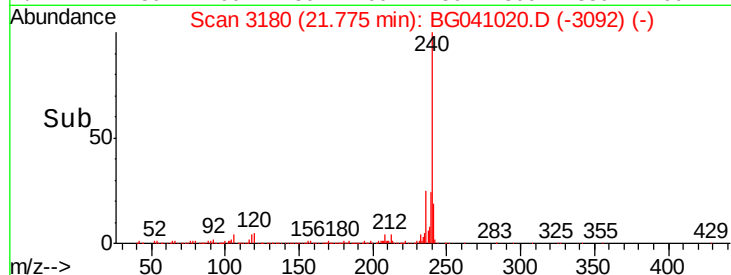
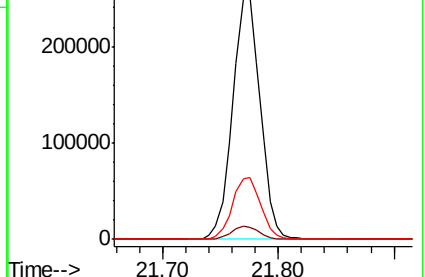
236 25.3 21.3 31.9



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: 3.163 ng

RT: 20.09 min Scan# 2893

Delta R.T. 0.36 min

Lab File: BG041020.D

Acq: 1 Jun 2019 19:59

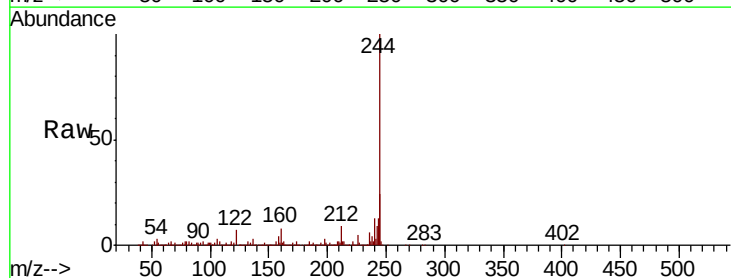
Tgt Ion:184 Resp: 31705

Ion Ratio Lower Upper

184 100

185 21.0 13.3 19.9#

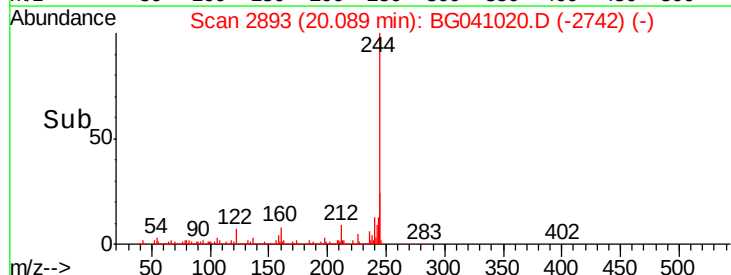
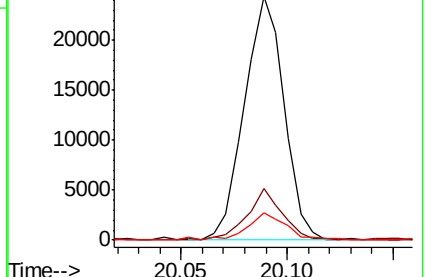
183 11.2 10.7 16.1

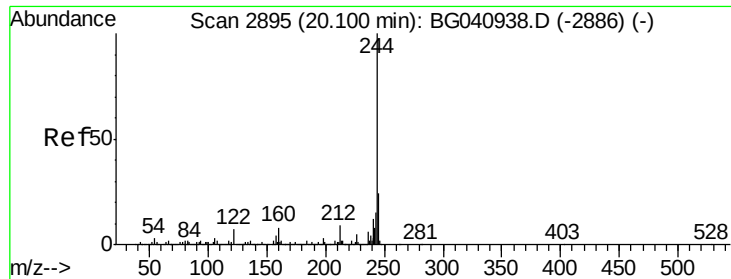


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 88.803 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG041020.D

Acq: 1 Jun 2019 19:59

Instrument :

BNA_G

ClientSampleId :

71-70

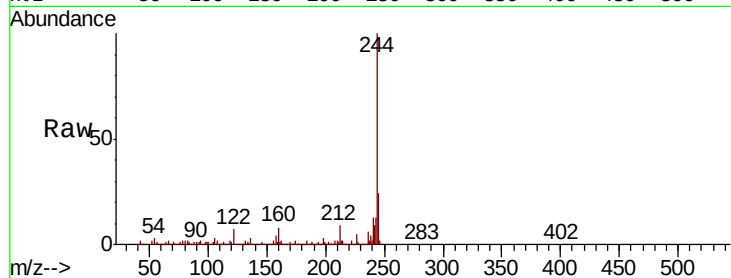
Tot Ion:244 Resp: 1757938

Ion Ratio Lower Upper

244 100

212 9.3 7.0 10.4

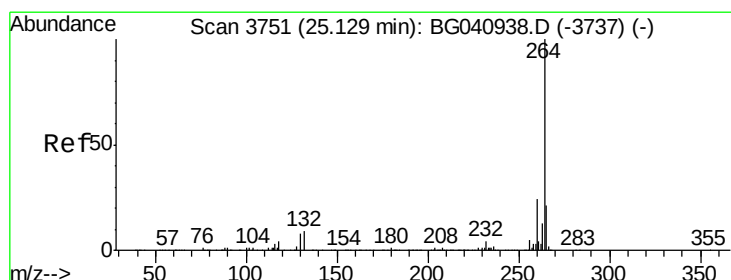
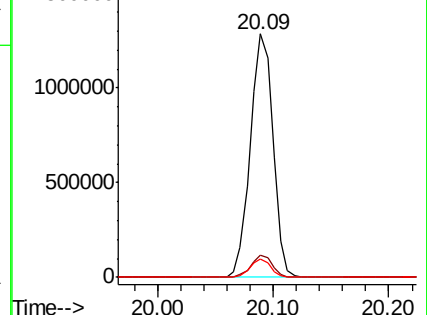
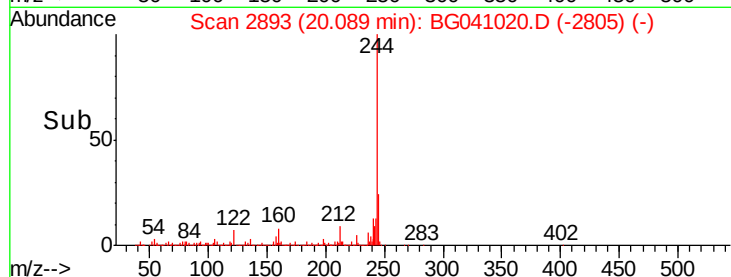
122 7.5 5.4 8.0



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: BG041020.D

Acq: 1 Jun 2019 19:59

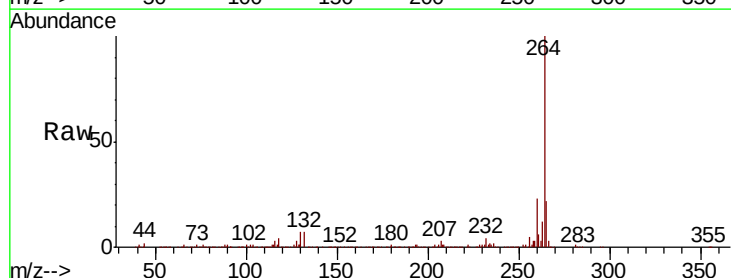
Tgt Ion:264 Resp: 452459

Ion Ratio Lower Upper

264 100

260 23.0 19.0 28.4

265 22.1 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

