

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 :

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

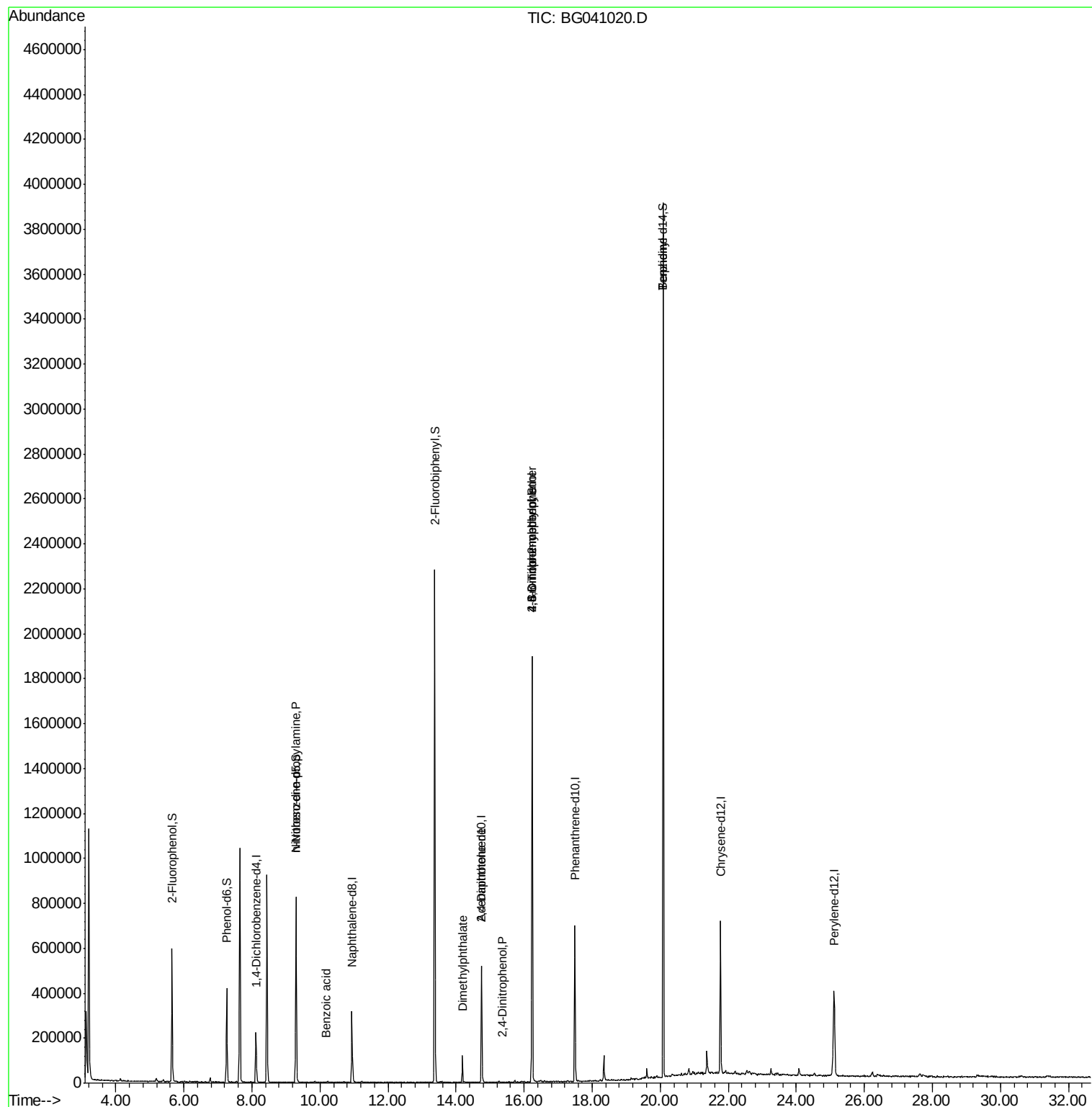
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	60576	20.00	ng	-0.01
21) Naphthalene-d8	10.94	136	251117	20.00	ng	-0.01
39) Acenaphthene-d10	14.75	164	181635	20.00	ng	-0.01
64) Phenanthrene-d10	17.49	188	429397	20.00	ng	-0.01
76) Chrysene-d12	21.78	240	420138	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

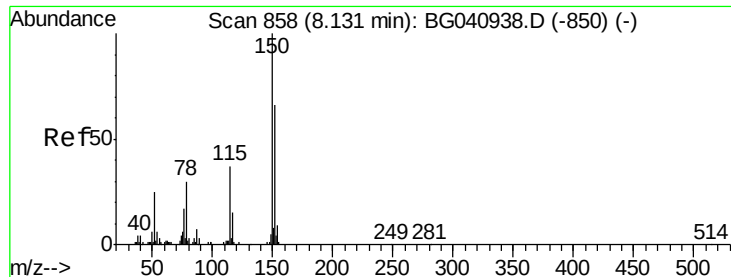
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060119\
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 :

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



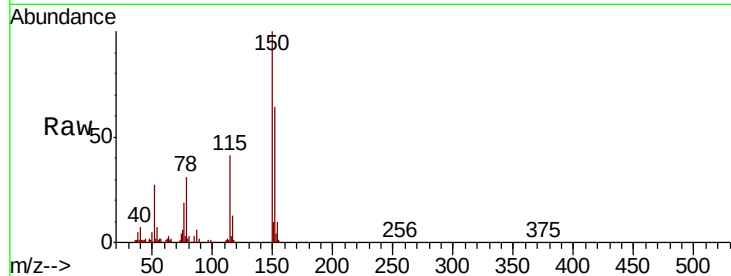


#1

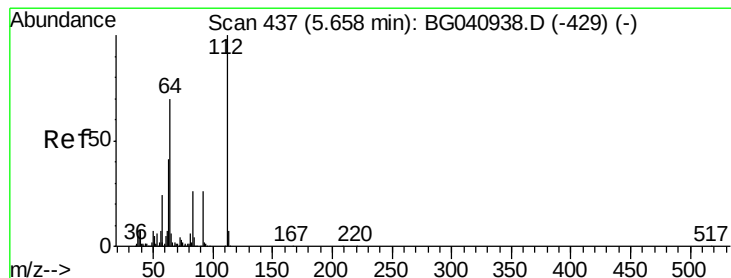
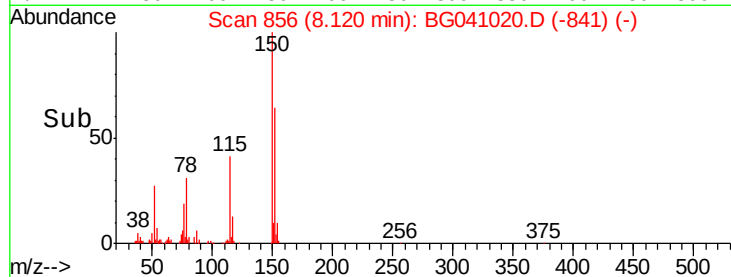
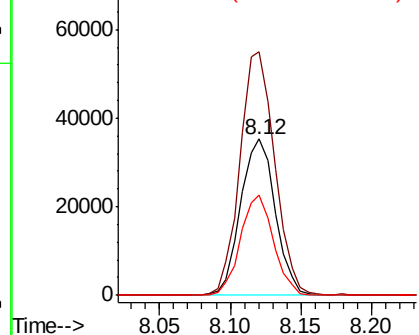
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG041020.D
Acq: 1 Jun 2019 19:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 60576
Ion Ratio Lower Upper
152 100
150 155.7 120.6 180.8
115 64.2 45.1 67.7



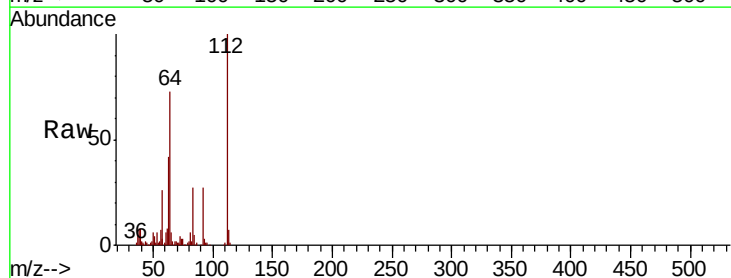
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



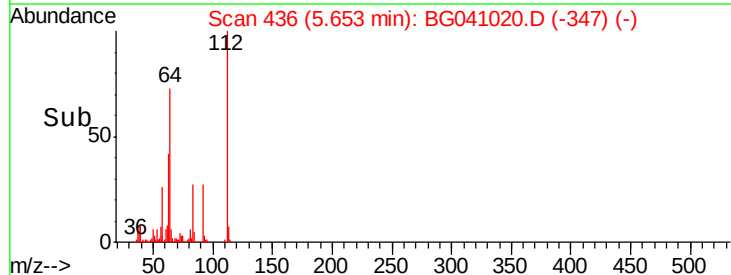
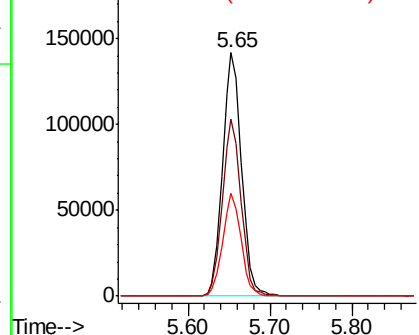
#5

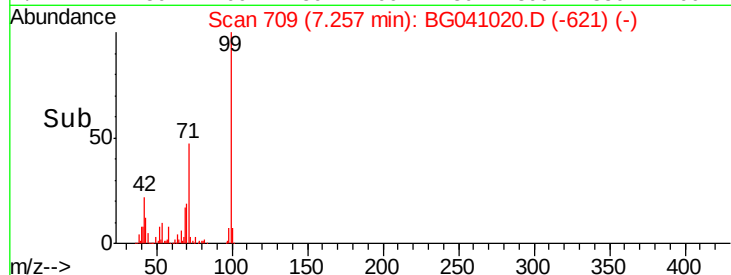
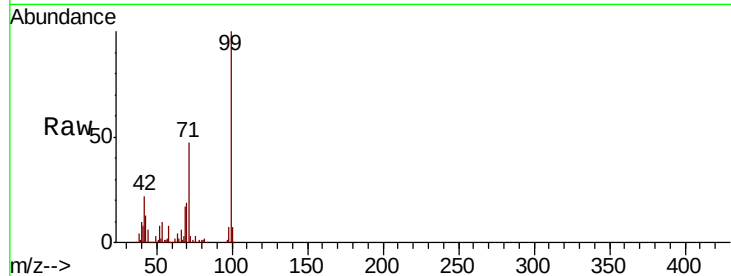
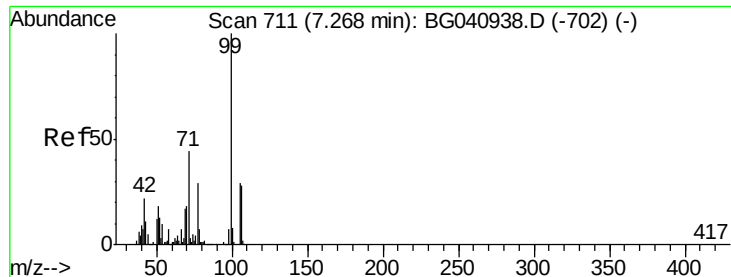
2-Fluorophenol
Concen: 67.849 ng
RT: 5.65 min Scan# 436
Delta R.T. -0.00 min
Lab File: BG041020.D
Acq: 1 Jun 2019 19:59

Tgt Ion:112 Resp: 227928
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): BG
Ion 63.00 (62.70 to 63.70): BG





#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 :

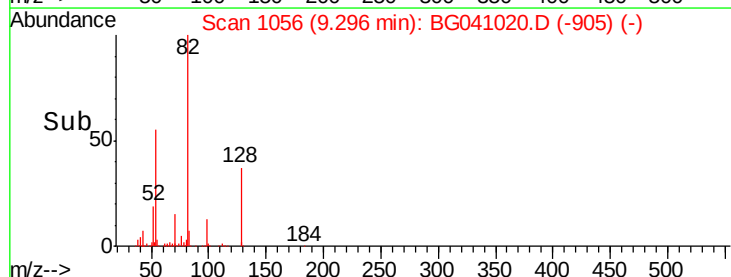
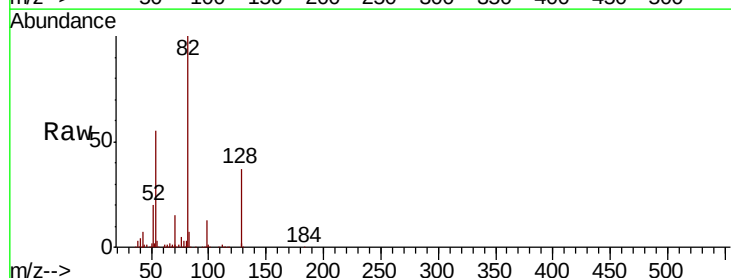
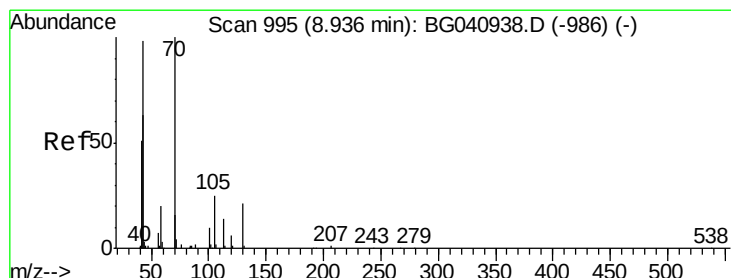
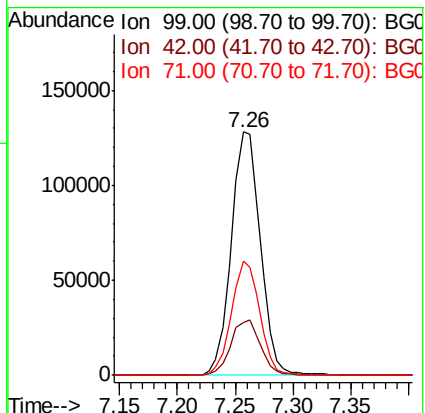
Tot Ion: 99 Resp: 224708

Ion Ratio Lower Upper

99 100

42 21.8 17.9 26.9

71 47.0 35.4 53.0



#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

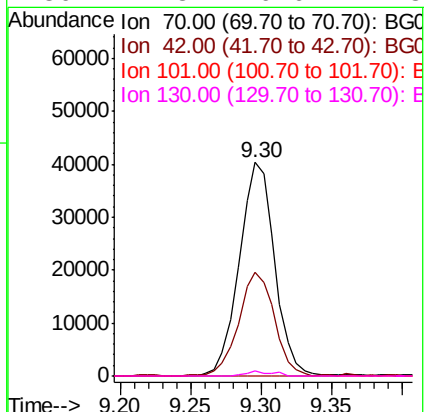
Ion Ratio Lower Upper

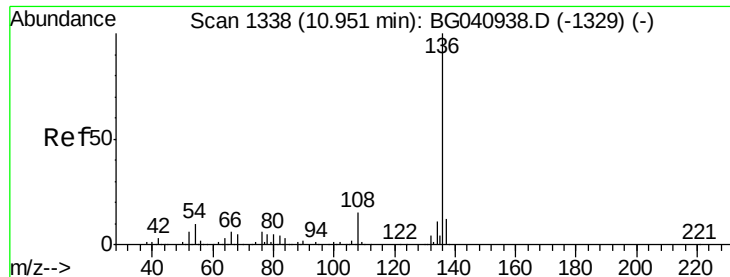
70 100

42 48.4 51.5 77.3#

101 0.0 8.1 12.1#

130 2.3 16.6 24.8#

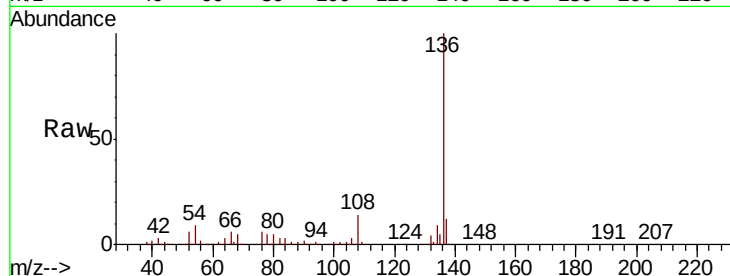




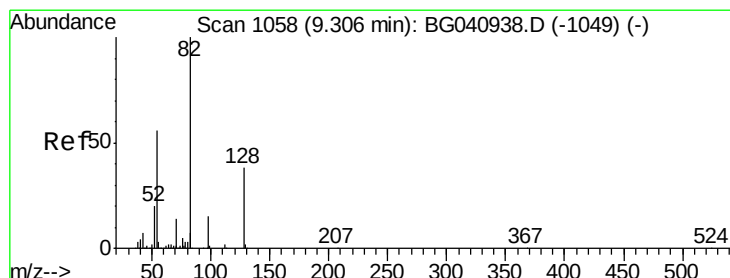
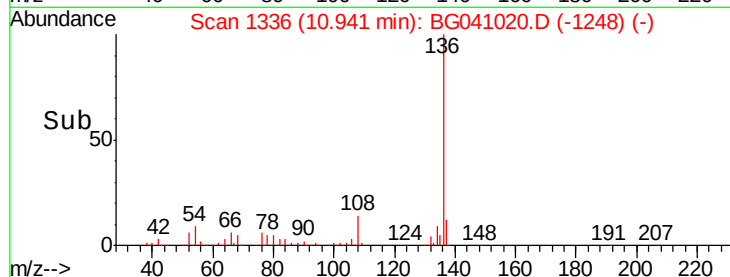
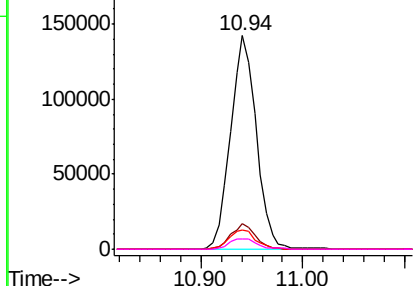
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BG041020.D
Acq: 1 Jun 2019 19:59

Instrument :
BNA_G
ClientSampleId :

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

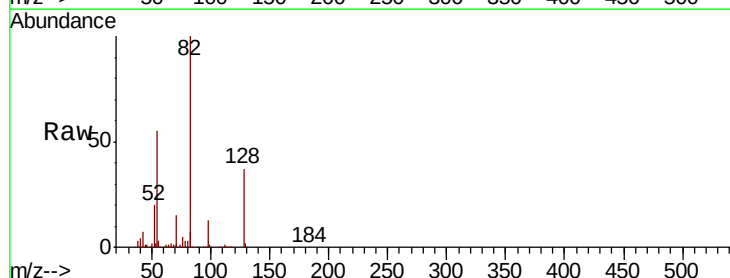


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

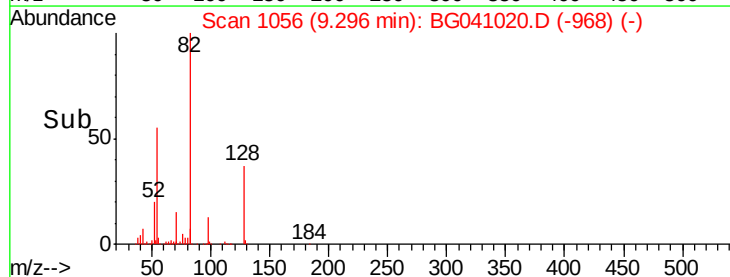
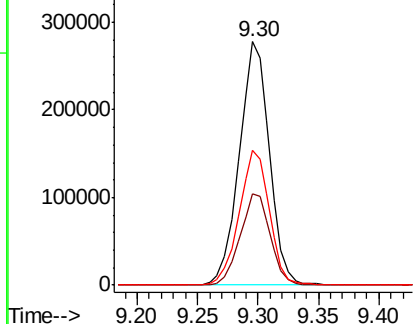


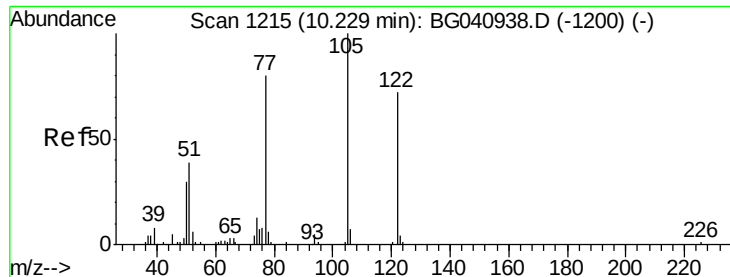
#23
Nitrobenzene-d5
Concen: 85.351 ng
RT: 9.30 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BG041020.D
Acq: 1 Jun 2019 19:59

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

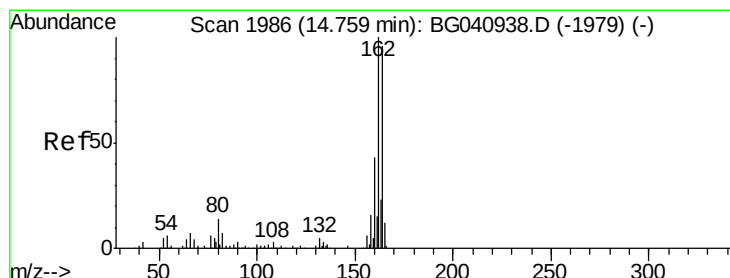
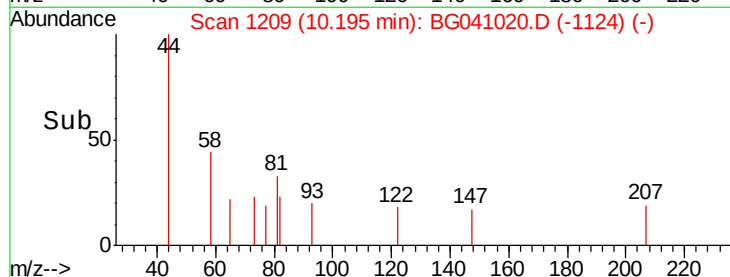
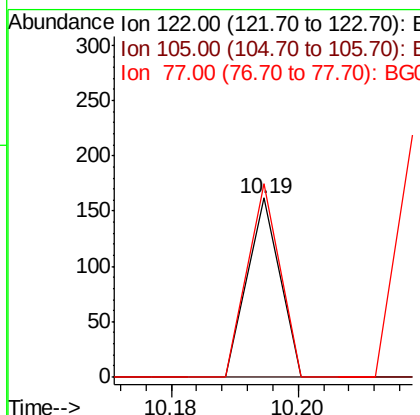
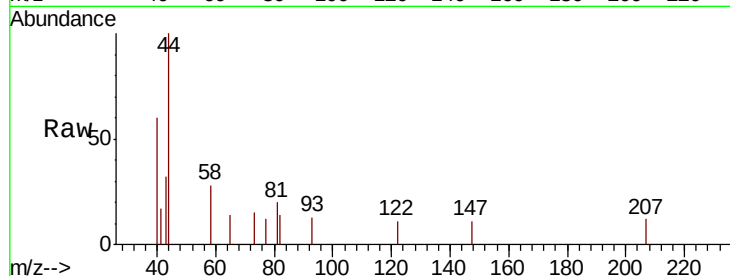




#32
Benzoic acid
Concen: 8.146 ng
RT: 10.19 min Scan# 1209
Delta R.T. -0.03 min
Lab File: BG041020.D
Acq: 1 Jun 2019 19:59

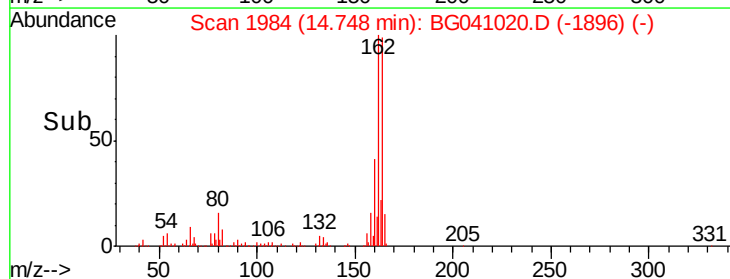
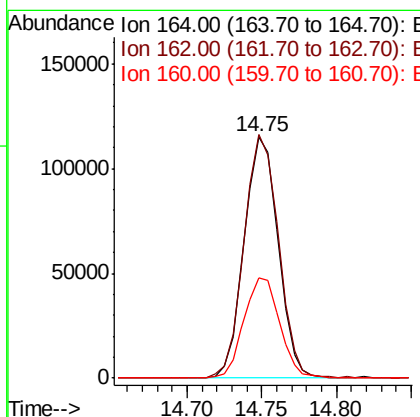
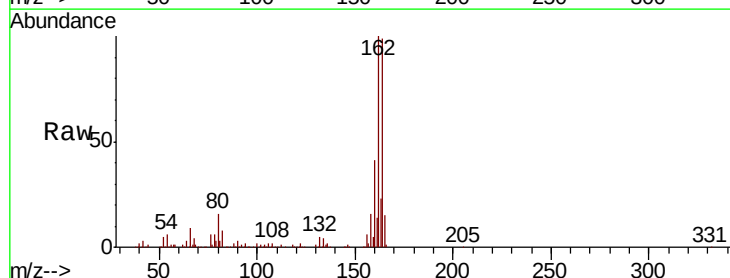
Instrument :
BNA_G
ClientSampleId :

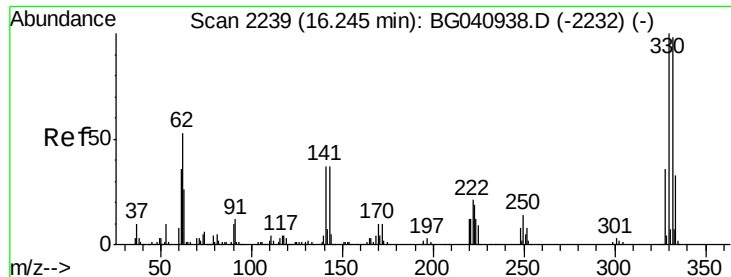
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	114.8	154.8#
77	108.0	89.9	129.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 1984
Delta R.T. -0.01 min
Lab File: BG041020.D
Acq: 1 Jun 2019 19:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	83.0	124.4
160	41.8	35.6	53.4

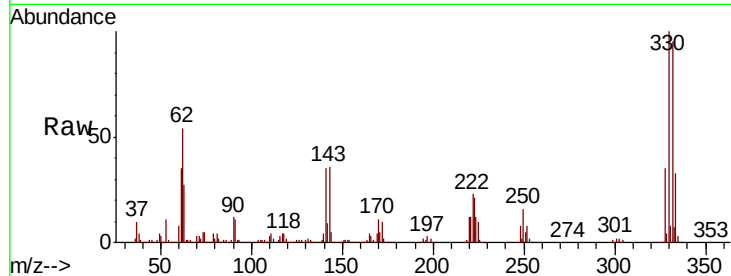




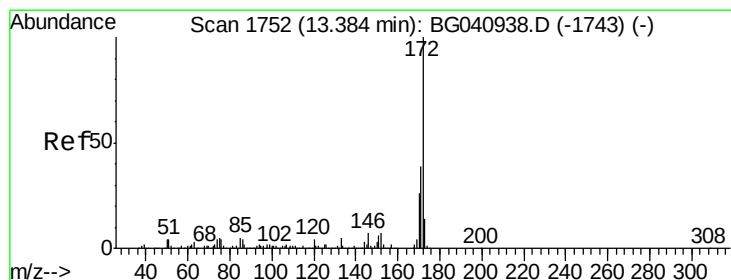
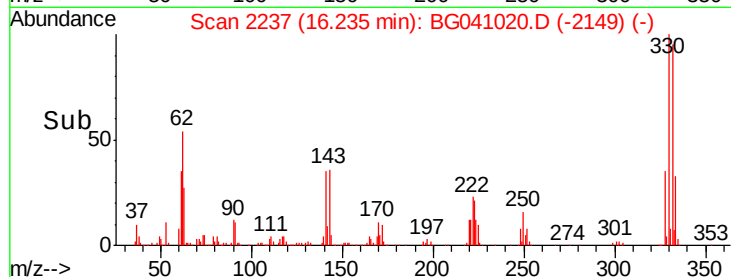
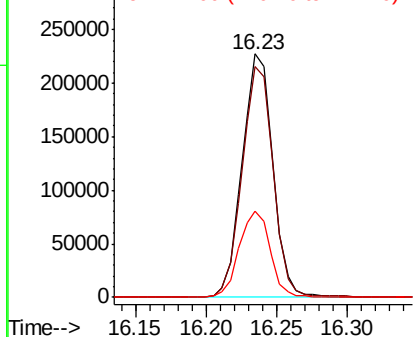
#42
 2,4,6-Tribromophenol
 Concen: 128.260 ng
 RT: 16.23 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: BG041020.D
 Acq: 1 Jun 2019 19:59

Instrument :
 BNA_G
 ClientSampleId :

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

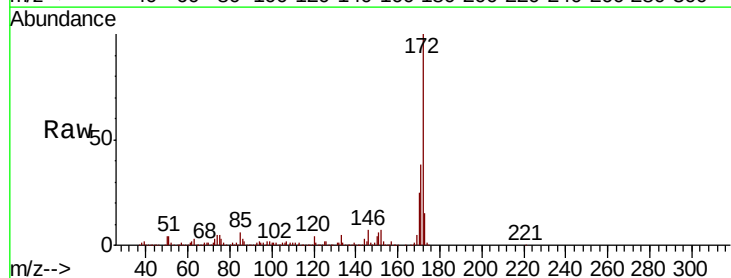


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

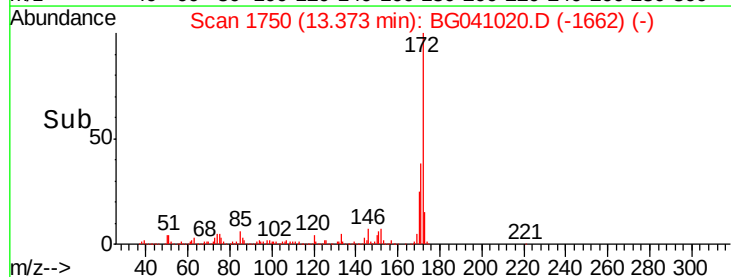
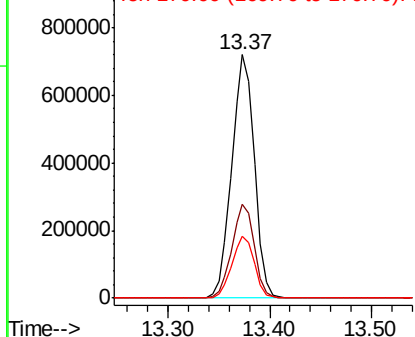


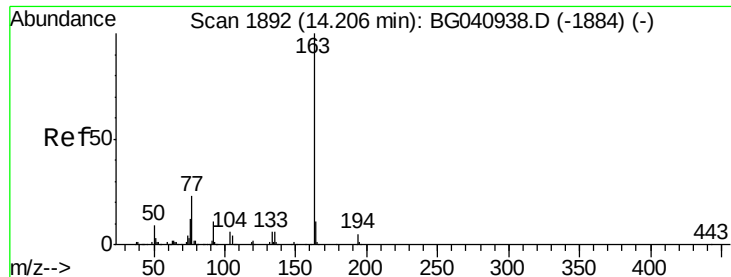
#45
 2-Fluorobiphenyl
 Concen: 88.174 ng
 RT: 13.37 min Scan# 1750
 Delta R.T. -0.01 min
 Lab File: BG041020.D
 Acq: 1 Jun 2019 19:59

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 :

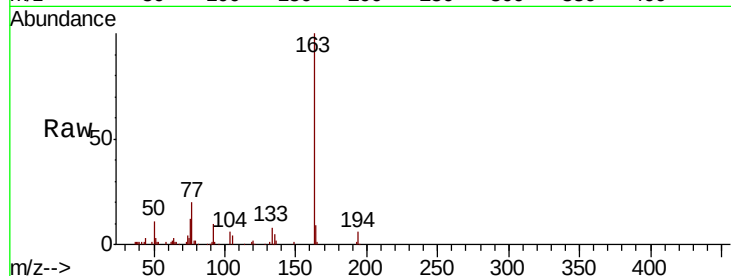
Tot Ion:163 Resp: 71677

Ion Ratio Lower Upper

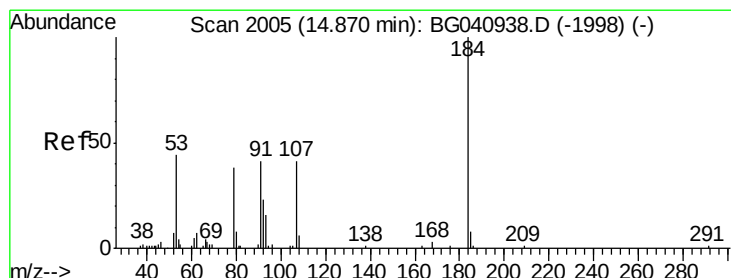
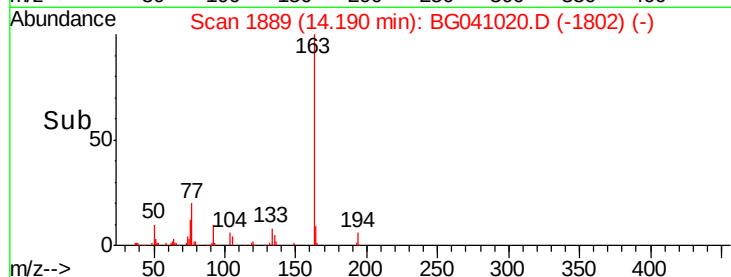
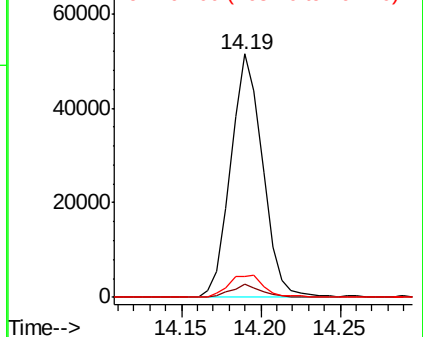
163 100

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

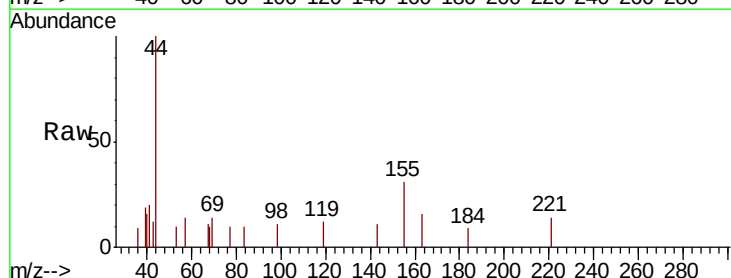
Tgt Ion:184 Resp: 54

Ion Ratio Lower Upper

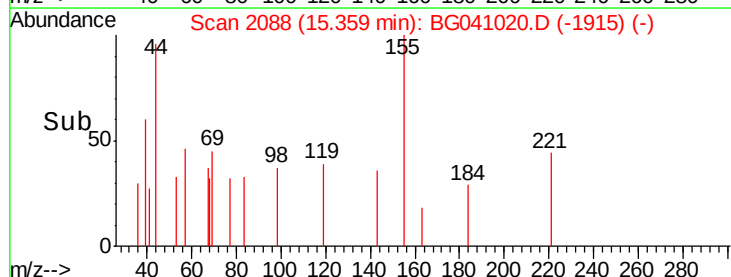
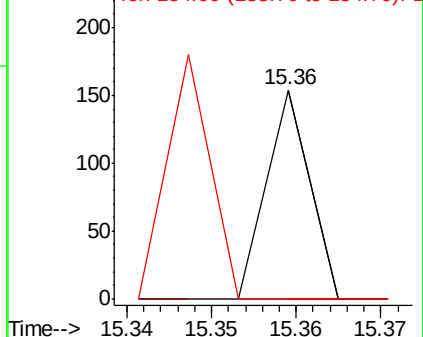
184 100

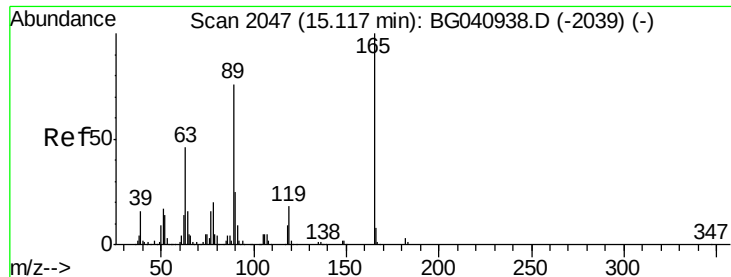
63 0.0 49.8 74.6#

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 :

Tot Ion:165 Resp: 23041

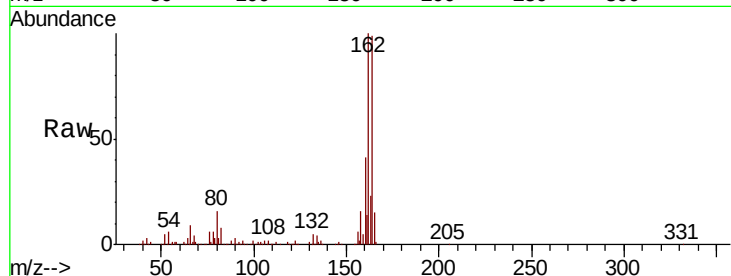
Ion Ratio Lower Upper

165 100

63 1.7 37.3 55.9#

89 1.6 61.0 91.6#

182 0.0 2.2 3.2#

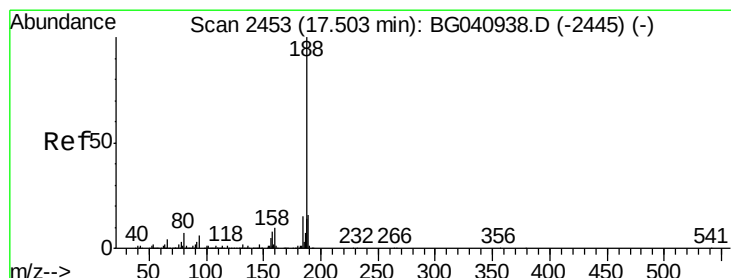
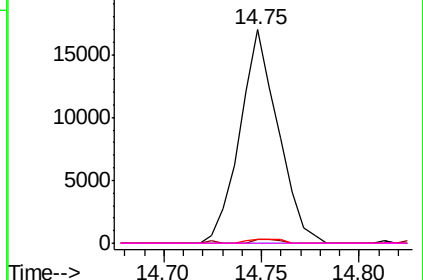
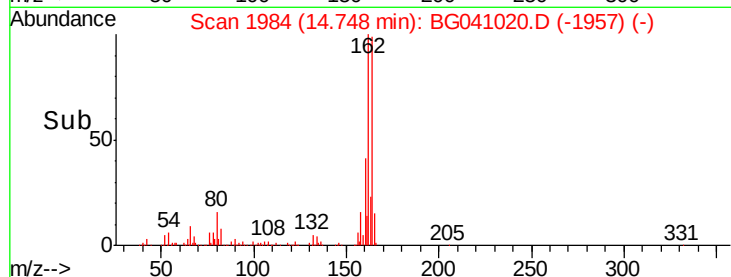


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG041020.D

Acq: 1 Jun 2019 19:59

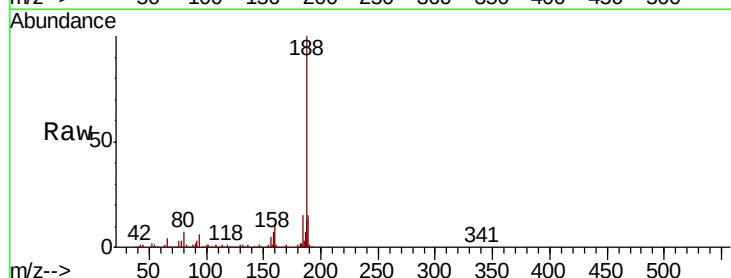
Tgt Ion:188 Resp: 429397

Ion Ratio Lower Upper

188 100

94 5.6 4.7 7.1

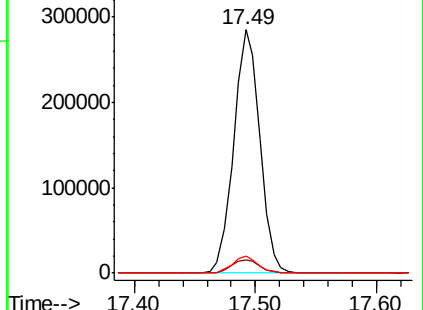
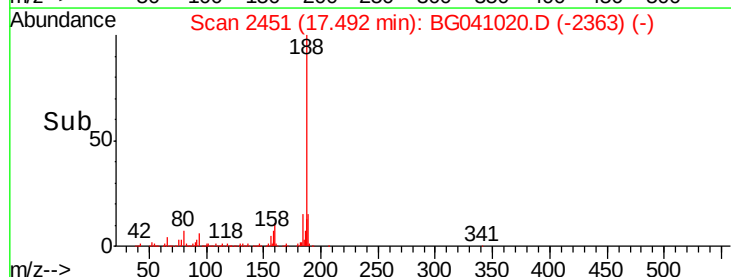
80 7.1 5.8 8.8

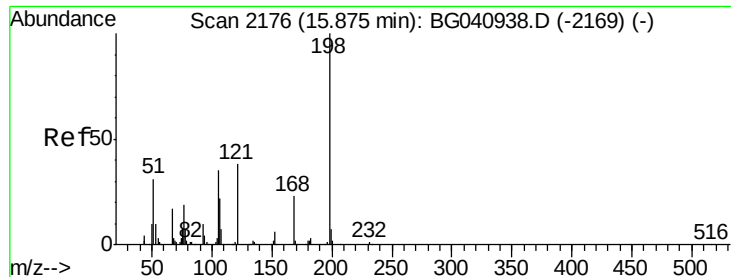


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.962 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 :

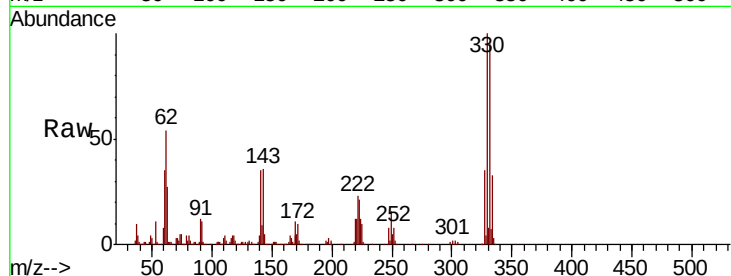
Tot Ion:198 Resp: 1044

Ion Ratio Lower Upper

198 100

51 91.8 21.6 61.6#

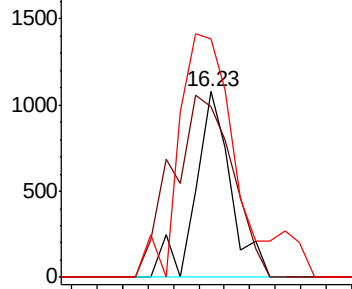
105 128.2 17.5 57.5#



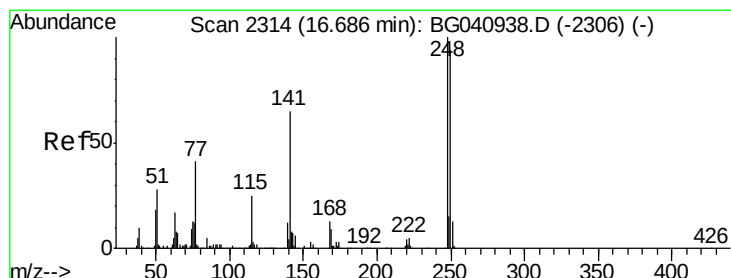
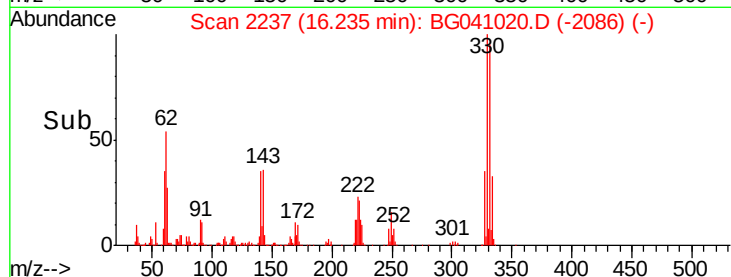
Abundance Ion 198.00 (197.70 to 198.70): E

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

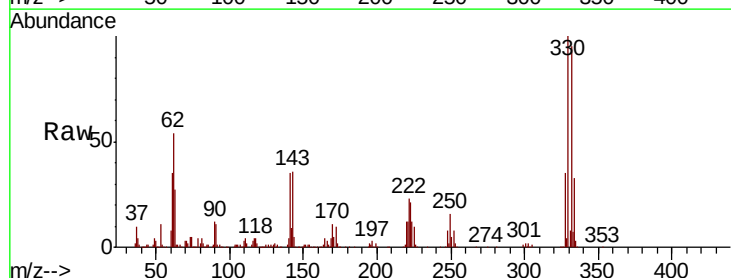
Tgt Ion:248 Resp: 26493

Ion Ratio Lower Upper

248 100

250 193.3 75.0 112.4#

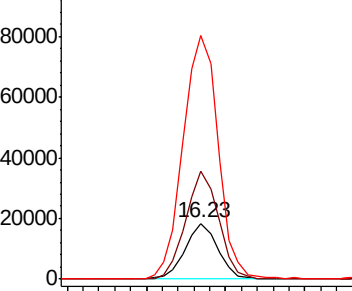
141 438.1 52.4 78.6#



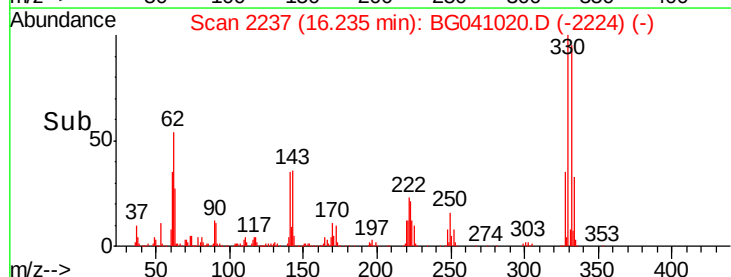
Abundance Ion 248.00 (247.70 to 248.70): E

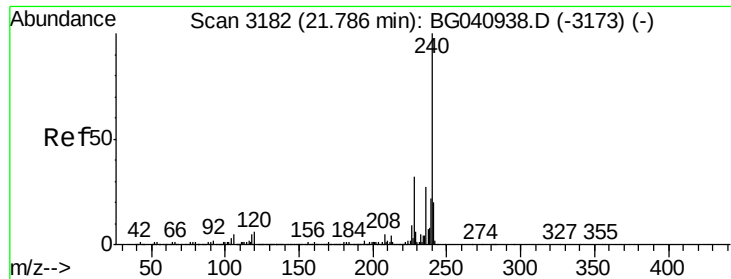
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->

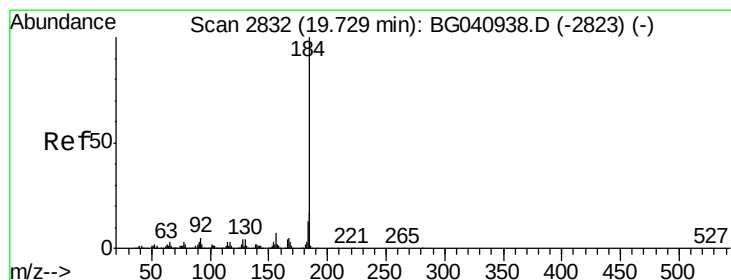
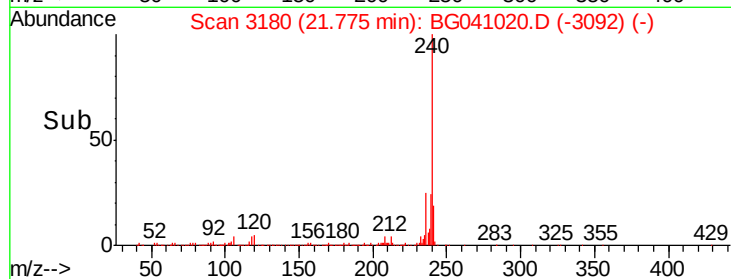
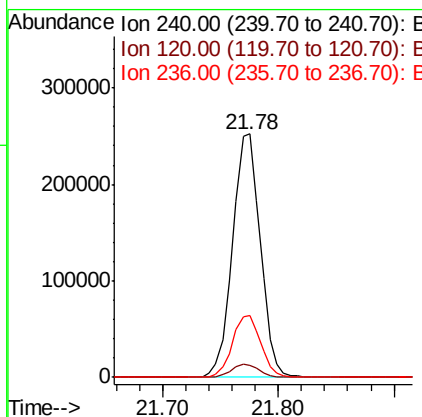
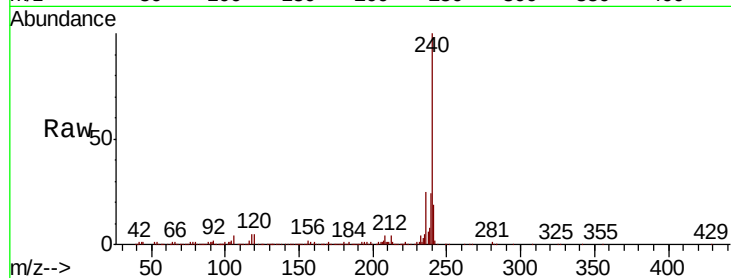




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.78 min Scan# 3180
 Delta R.T. -0.01 min
 Lab File: BG041020.D
 Acq: 1 Jun 2019 19:59

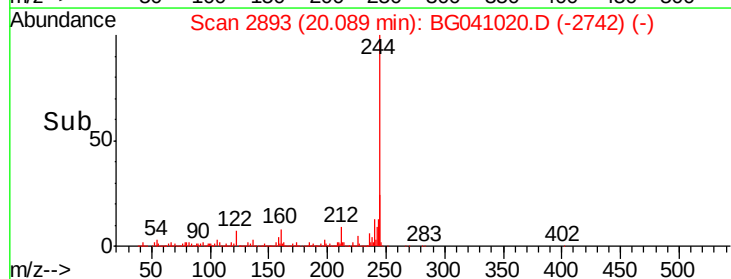
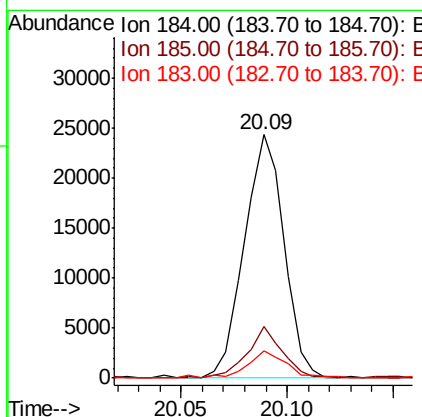
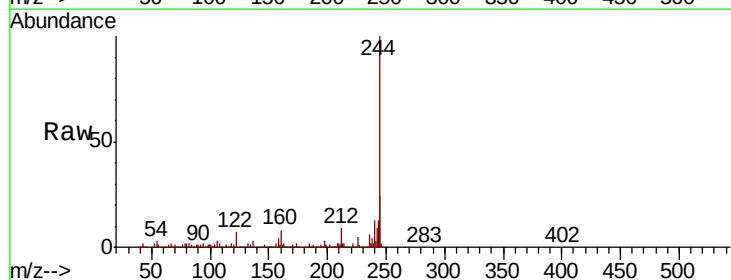
Instrument :
 BNA_G
 ClientSampleId :

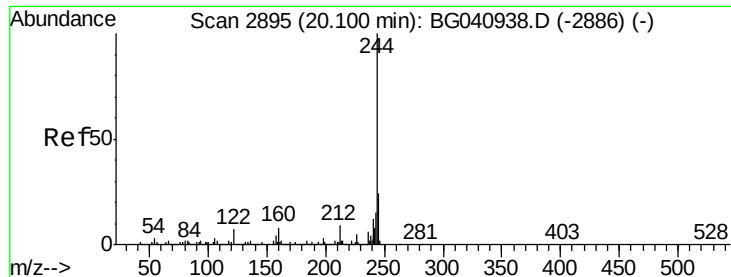
Tot Ion	Ratio	Lower	Upper
240	100		
120	5.1	4.5	6.7
236	25.3	21.3	31.9



#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	Ratio	Lower	Upper
184	100		
185	21.0	13.3	19.9#
183	11.2	10.7	16.1





#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 :

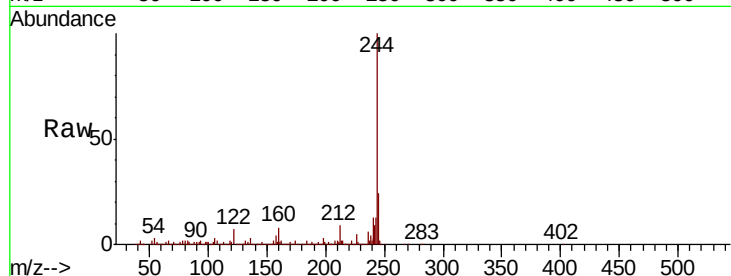
Tot Ion:244 Resp: 1757938

Ion Ratio Lower Upper

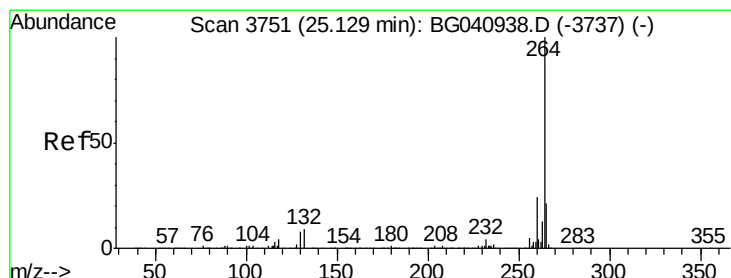
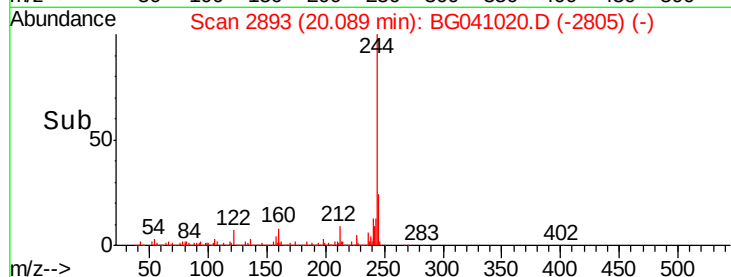
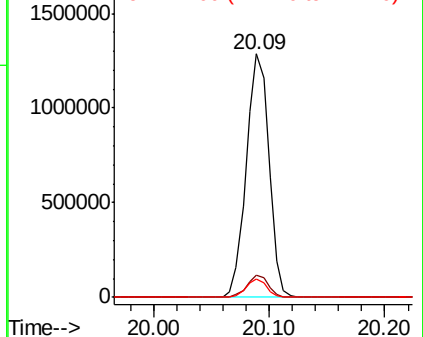
244 100

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

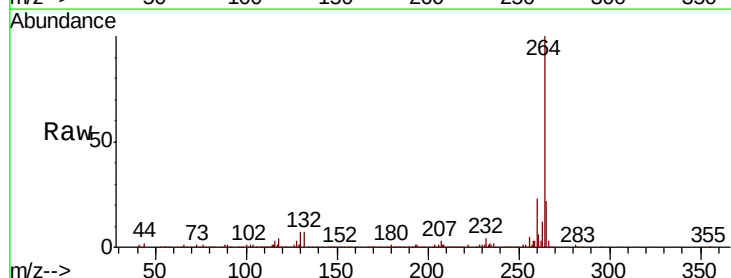
Tgt Ion:264 Resp: 452459

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

