

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022819\
 Data File : BG039683.D
 Acq On : 1 Mar 2019 6:52
 Operator : JU/SJ
 Sample : K1647-05
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 10:07:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 06:15:02 2019
 Response via : Initial Calibration

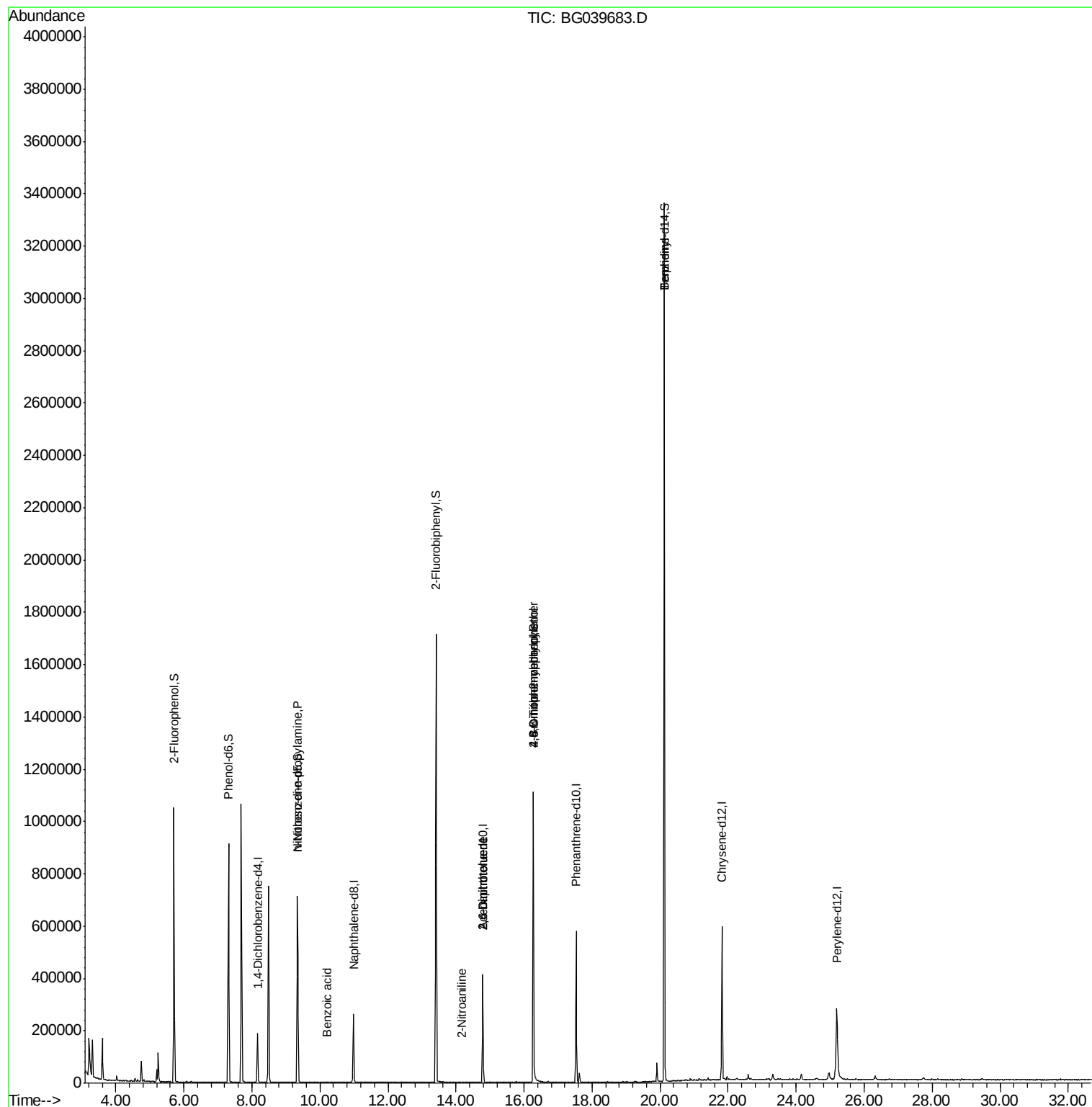
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	50662	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	215311	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	146044	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	353109	20.00	ng	0.00
76) Chrysene-d12	21.82	240	372965	20.00	ng	-0.01
87) Perylene-d12	25.20	264	362354	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	421491	142.39	ng	0.00
7) Phenol-d6	7.31	99	531643	122.02	ng	0.00
23) Nitrobenzene-d5	9.34	82	420836	122.10	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	205883	130.92	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	885532	86.98	ng	0.00
79) Terphenyl-d14	20.13	244	1598786	90.74	ng	0.00
Target Compounds						
9) Benzaldehyde	7.30	77	957	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.34	70	54952	17.769 ng	#	4
32) Benzoic acid	10.22	122	670	9.290 ng	#	70
48) 2-Nitroaniline	14.18	65	70	8.318 ng	#	62
51) 2,6-Dinitrotoluene	14.79	165	18596	13.842 ng	#	10
57) 2,4-Dinitrotoluene	14.79	165	18596	13.337 ng	#	24
65) 4,6-Dinitro-2-methylphenol	16.27	198	631	4.748 ng	#	19
67) 4-Bromophenyl-phenylether	16.27	248	15667	3.999 ng	#	1
77) Benzidine	20.13	184	28942	2.367 ng	#	1
					#	90

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

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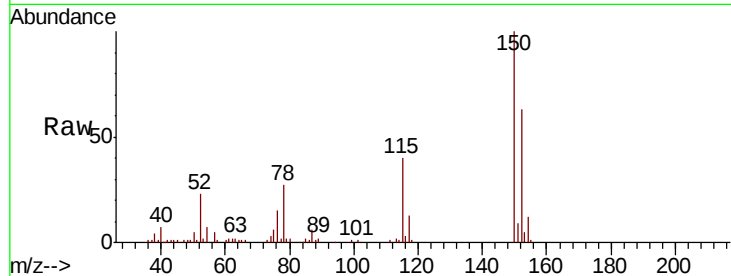


#1

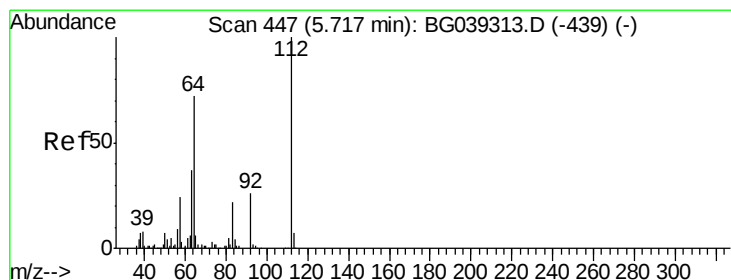
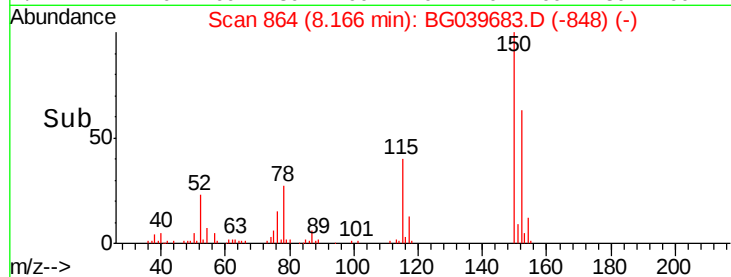
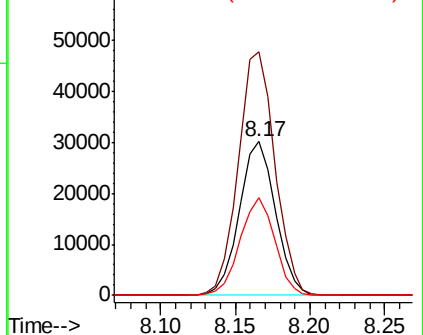
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: BG039683.D
Acq: 1 Mar 2019 6:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	123.7	185.5
115	63.8	45.9	68.9



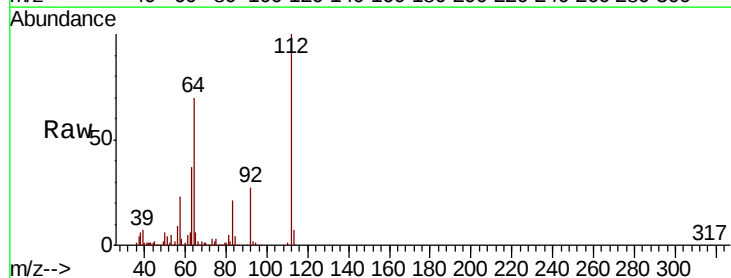
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



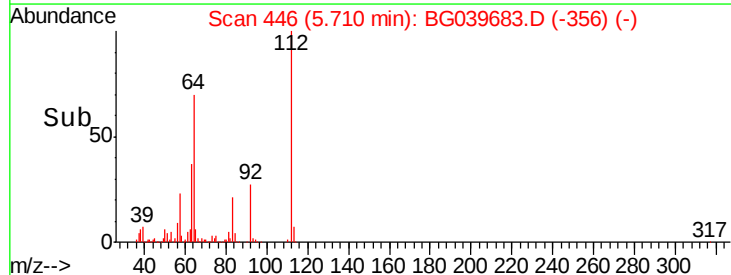
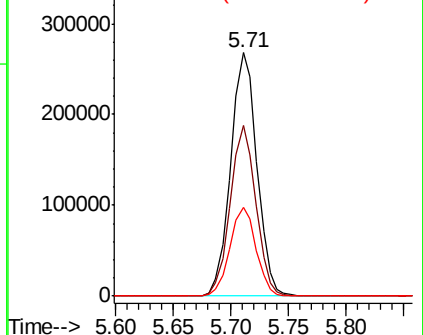
#5

2-Fluorophenol
Concen: 142.392 ng
RT: 5.71 min Scan# 446
Delta R.T. 0.00 min
Lab File: BG039683.D
Acq: 1 Mar 2019 6:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.0	57.8	86.8
63	36.7	29.8	44.6



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: 122.016 ng

RT: 7.31 min Scan# 719

Delta R.T. 0.00 min

Lab File: BG039683.D

Acq: 1 Mar 2019 6:52

Instrument :

BNA_G

ClientSampleId :

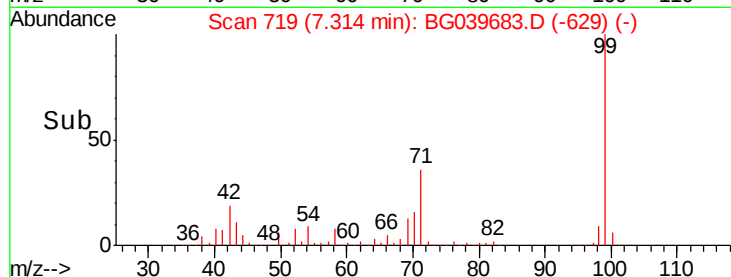
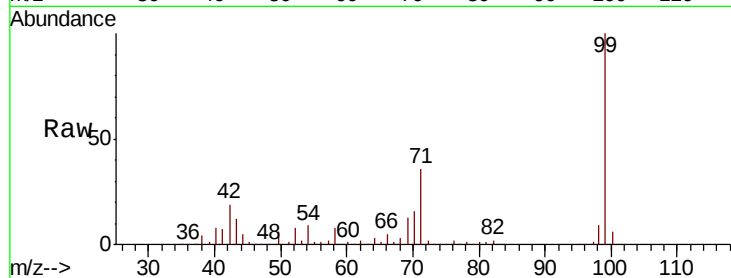
Tot Ion: 99 Resp: 531643

Ion Ratio Lower Upper

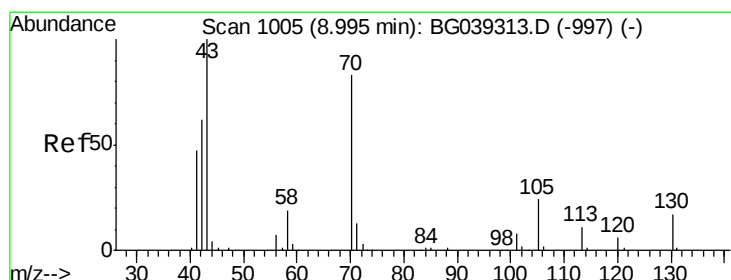
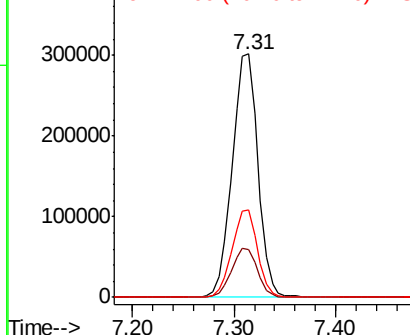
99 100

42 19.4 18.2 27.2

71 36.1 28.0 42.0



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: 17.769 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.37 min

Lab File: BG039683.D

Acq: 1 Mar 2019 6:52

Tgt Ion: 70 Resp: 54952

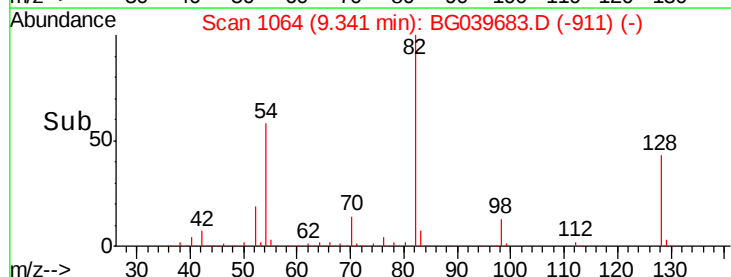
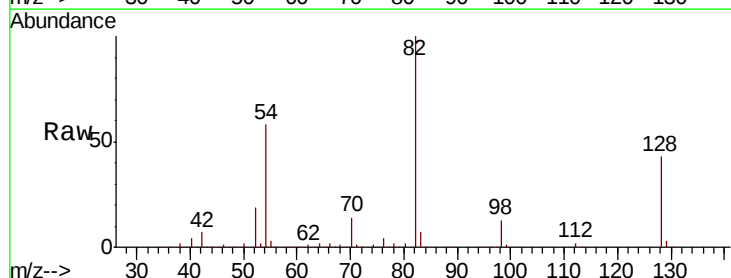
Ion Ratio Lower Upper

70 100

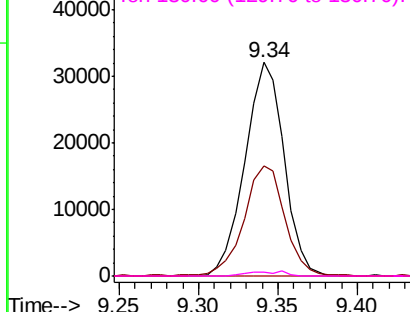
42 51.8 60.4 90.6#

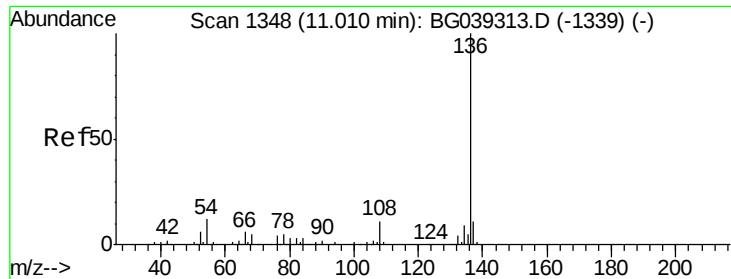
101 0.0 7.5 11.3#

130 1.8 16.9 25.3#



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

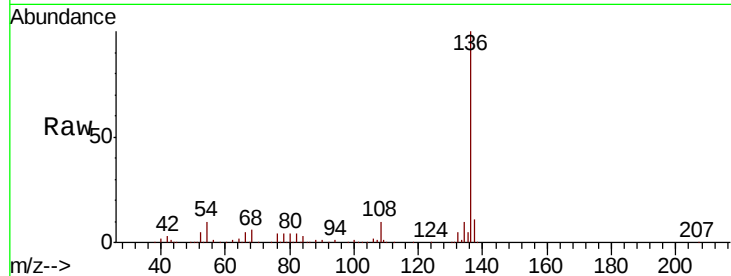




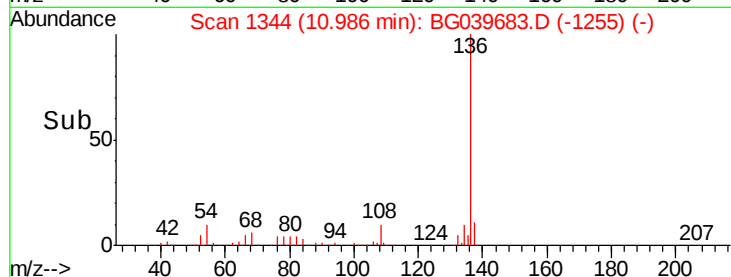
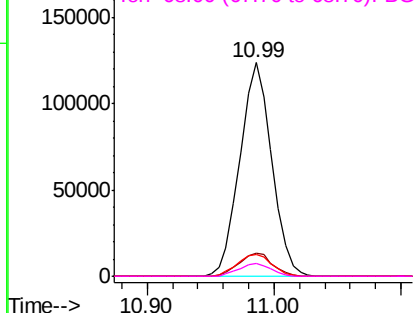
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1344
Delta R.T. -0.00 min
Lab File: BG039683.D
Acq: 1 Mar 2019 6:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	215311
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.1 13.7
54	10.5	9.4 14.2
68	5.7	4.2 6.4

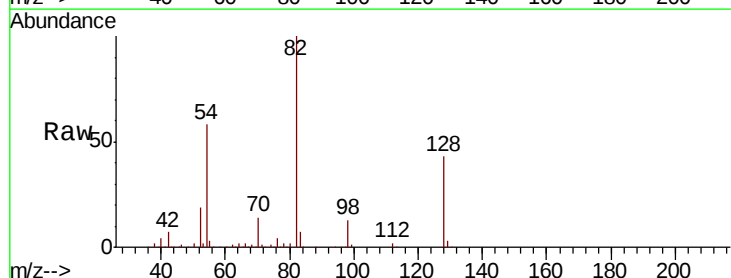


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

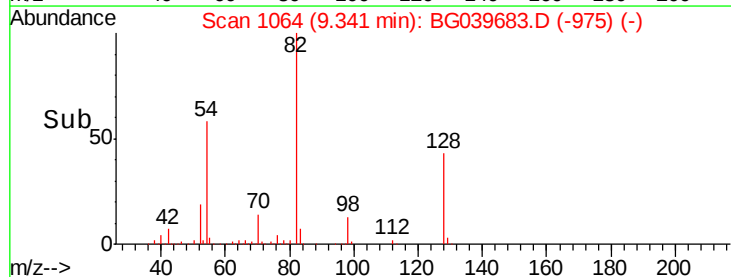
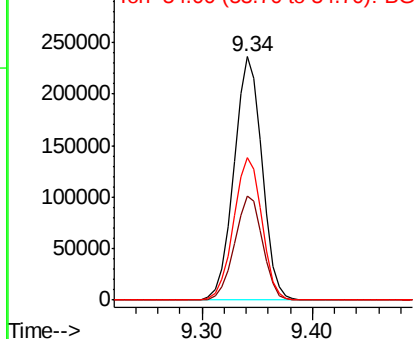


#23
Nitrobenzene-d5
Concen: 122.104 ng
RT: 9.34 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BG039683.D
Acq: 1 Mar 2019 6:52

Tgt Ion: 82	Resp:	420836
Ion Ratio	Lower	Upper
82	100	
128	42.9	31.3 46.9
54	58.4	50.9 76.3



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

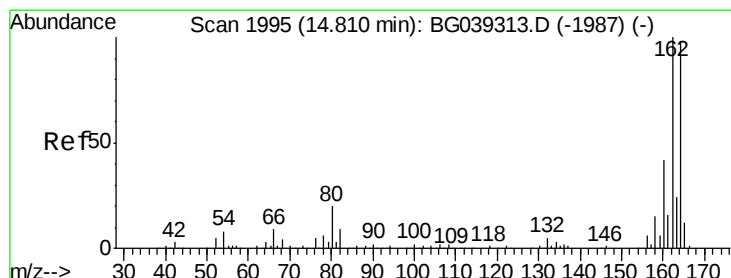
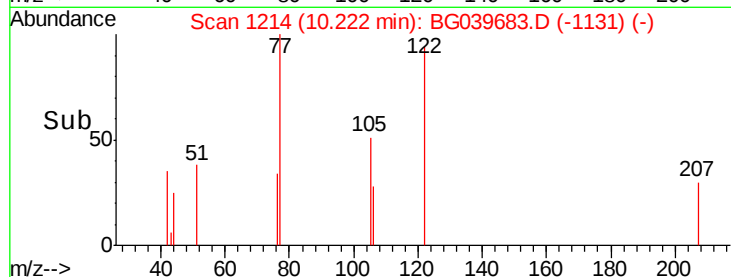
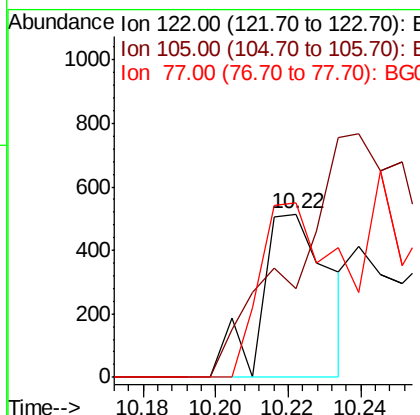
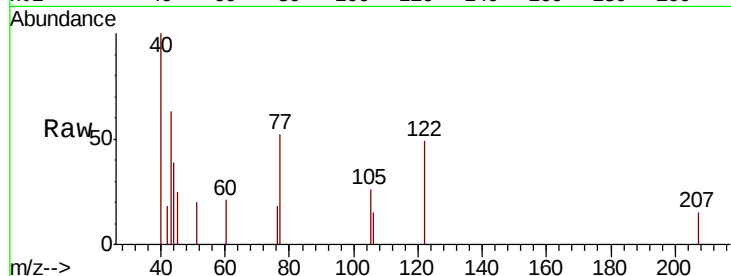




#32
Benzoic acid
Concen: 9.290 ng
RT: 10.22 min Scan# 1214
Delta R.T. -0.04 min
Lab File: BG039683.D
Acq: 1 Mar 2019 6:52

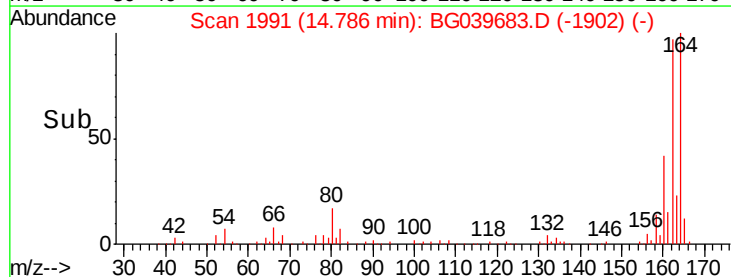
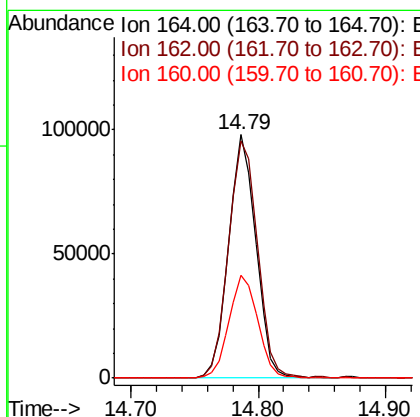
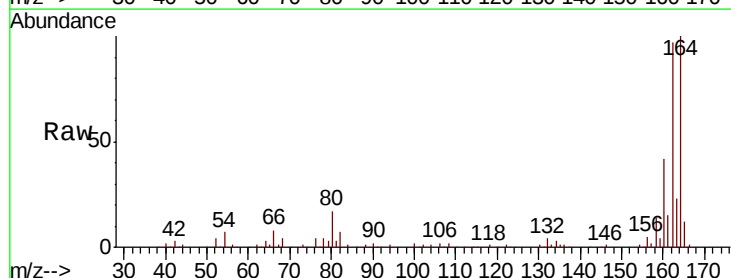
Instrument :
BNA_G
ClientSampleId :

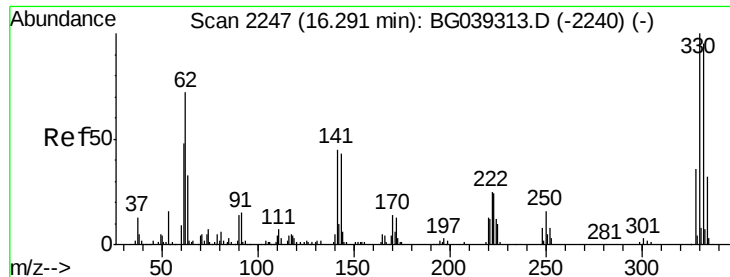
Tot Ion:122 Resp: 670
Ion Ratio Lower Upper
122 100
105 54.0 101.8 141.8#
77 106.6 76.3 116.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BG039683.D
Acq: 1 Mar 2019 6:52

Tgt Ion:164 Resp: 146044
Ion Ratio Lower Upper
164 100
162 97.2 81.6 122.4
160 42.4 34.2 51.2

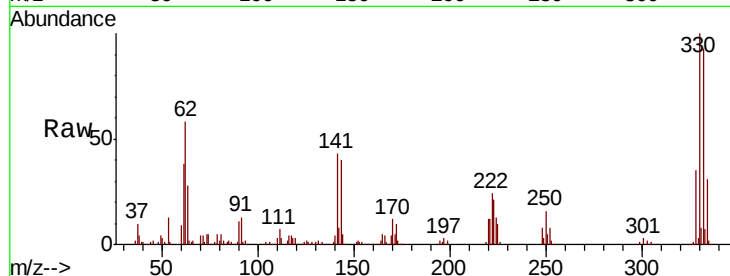




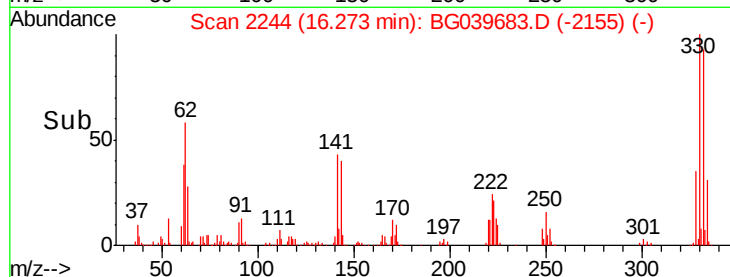
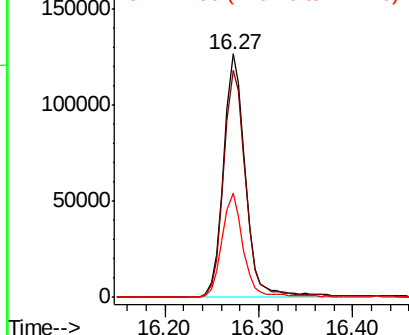
#42
 2,4,6-Tribromophenol
 Concen: 130.915 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: BG039683.D
 Acq: 1 Mar 2019 6:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 205883
 Ion Ratio Lower Upper
 330 100
 332 95.0 75.7 113.5
 141 41.5 35.6 53.4

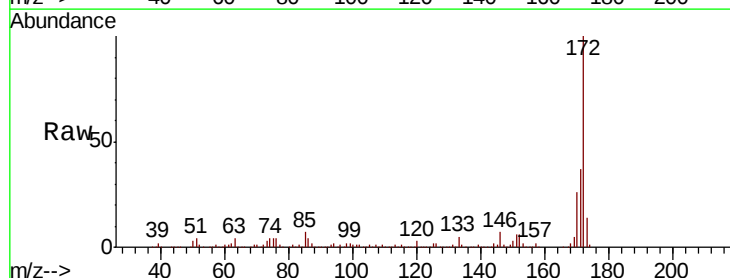


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

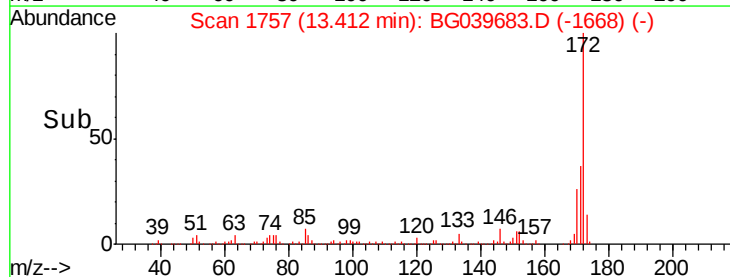
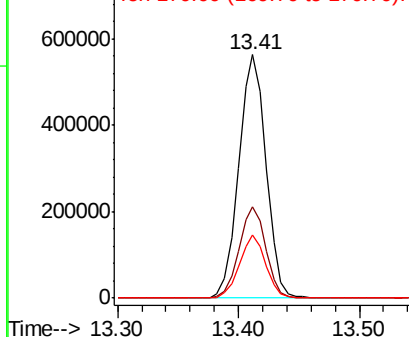


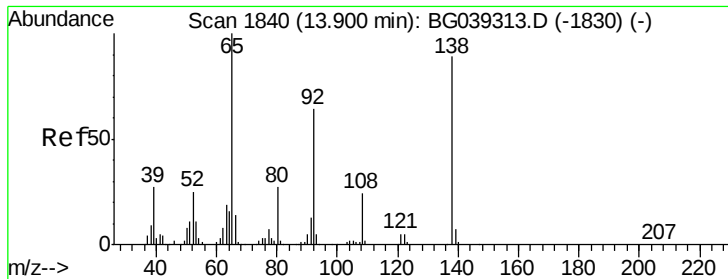
#45
 2-Fluorobiphenyl
 Concen: 86.983 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: BG039683.D
 Acq: 1 Mar 2019 6:52

Tgt Ion:172 Resp: 885532
 Ion Ratio Lower Upper
 172 100
 171 37.4 30.8 46.2
 170 25.8 20.2 30.4



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





#48

2-Nitroaniline

Concen: 8.318 ng

RT: 14.18 min Scan# 1887

Delta R.T. 0.30 min

Lab File: BG039683.D

Acq: 1 Mar 2019 6:52

Instrument :

BNA_G

ClientSampled :

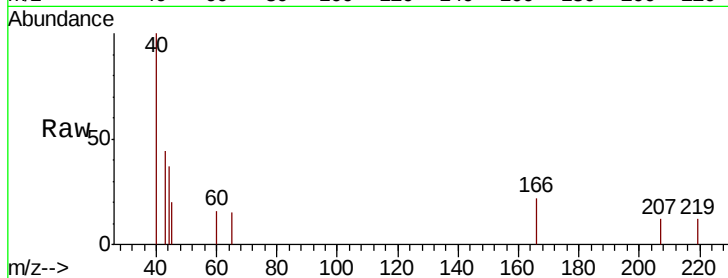
Tot Ion: 65 Resp: 70

Ion Ratio Lower Upper

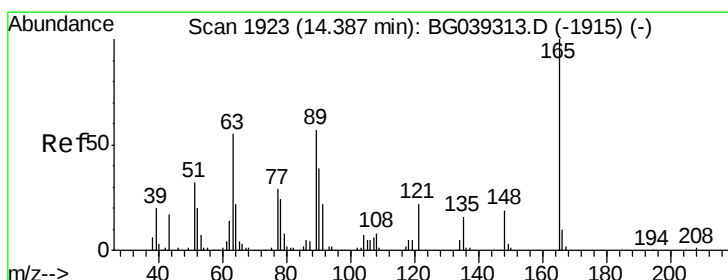
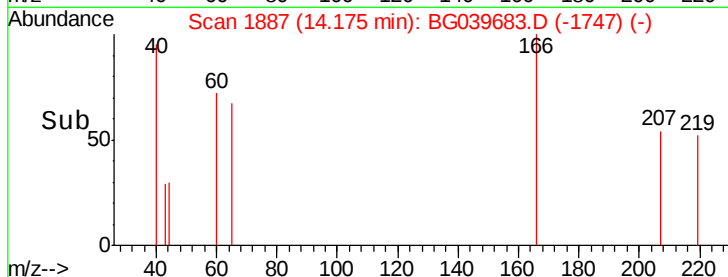
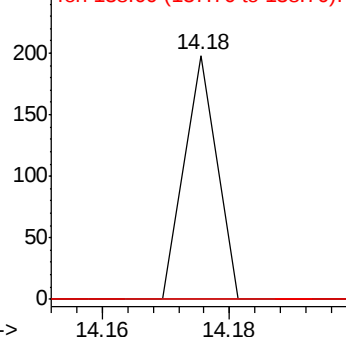
65 100

92 0.0 51.4 77.2#

138 0.0 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#51

2,6-Dinitrotoluene

Concen: 13.842 ng

RT: 14.79 min Scan# 1991

Delta R.T. 0.42 min

Lab File: BG039683.D

Acq: 1 Mar 2019 6:52

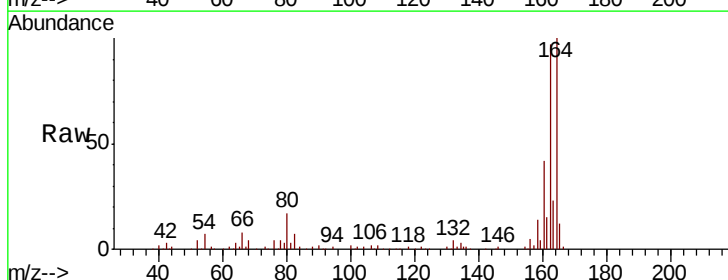
Tgt Ion: 165 Resp: 18596

Ion Ratio Lower Upper

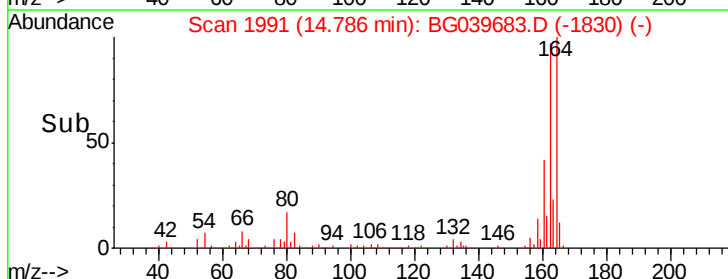
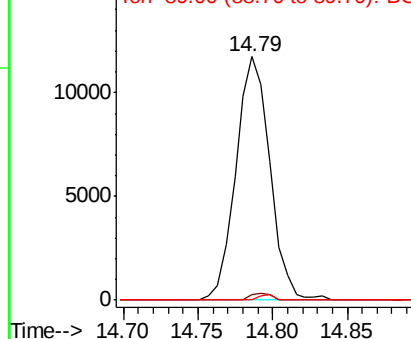
165 100

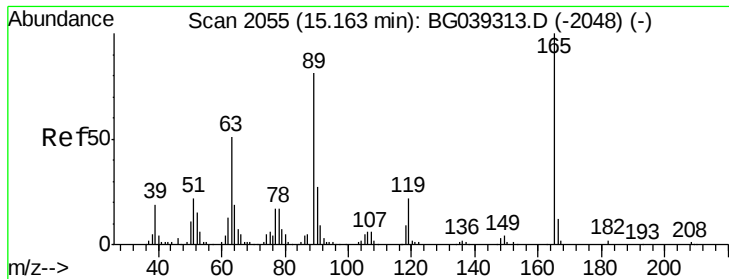
63 2.5 47.0 70.6#

89 0.0 45.8 68.8#



Abundance Ion 165.00 (164.70 to 165.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC





#57

2,4-Dinitrotoluene

Concen: 13.337 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.36 min

Lab File: BG039683.D

Acq: 1 Mar 2019 6:52

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 18596

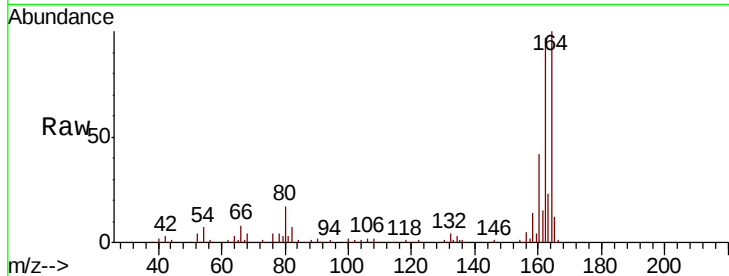
Ion Ratio Lower Upper

165 100

63 2.5 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#

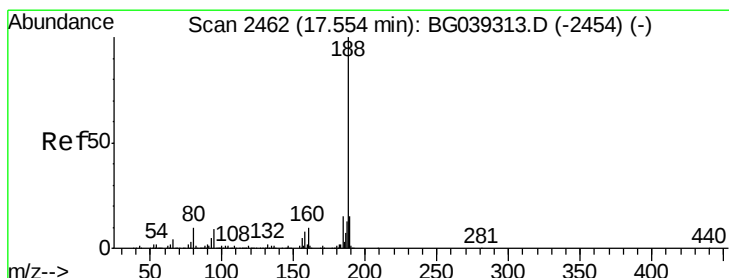
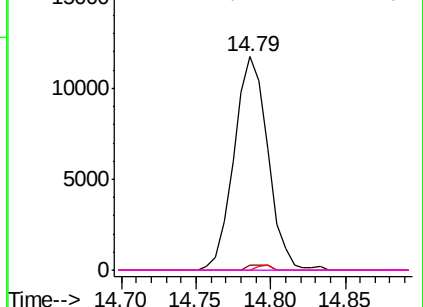
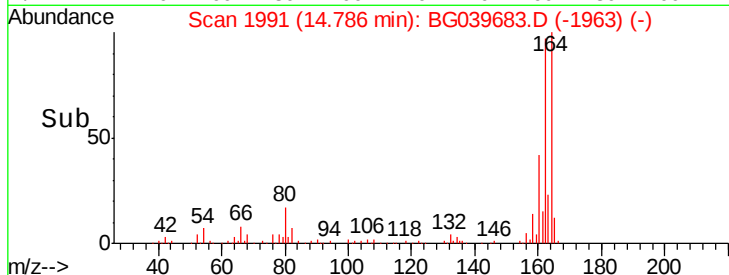


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.53 min Scan# 2458

Delta R.T. -0.00 min

Lab File: BG039683.D

Acq: 1 Mar 2019 6:52

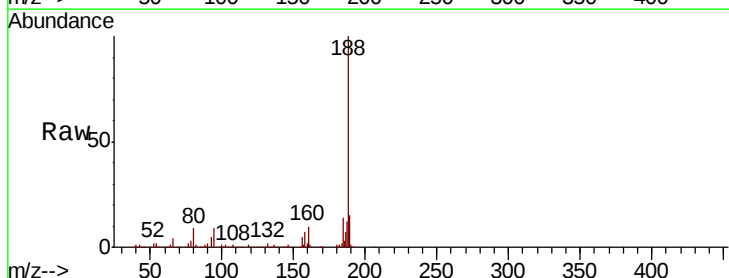
Tgt Ion:188 Resp: 353109

Ion Ratio Lower Upper

188 100

94 8.8 6.9 10.3

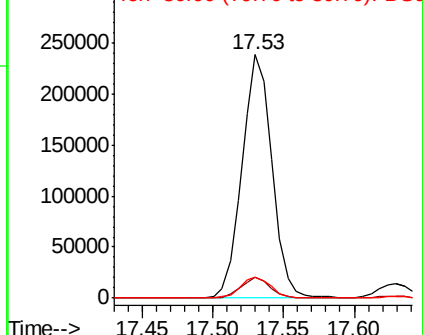
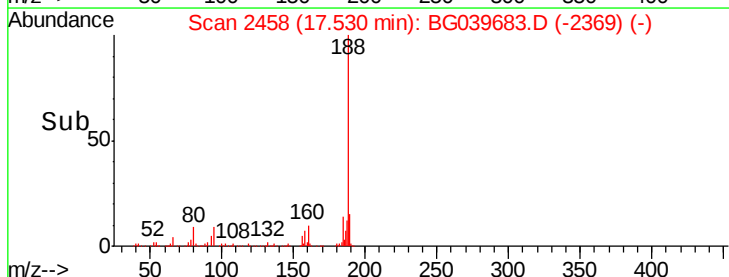
80 8.7 8.1 12.1

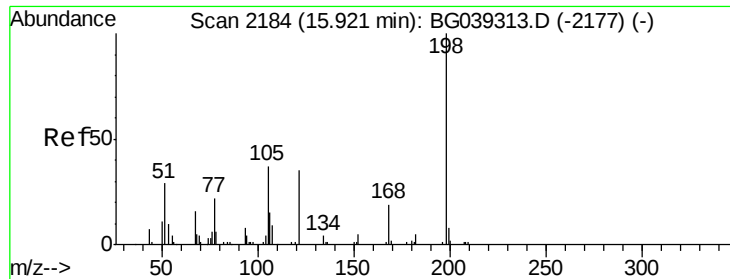


Abundance Ion 188.00 (187.70 to 188.70): E

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: 4.748 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.37 min

Lab File: BG039683.D

Acq: 1 Mar 2019 6:52

Instrument :

BNA_G

ClientSampled :

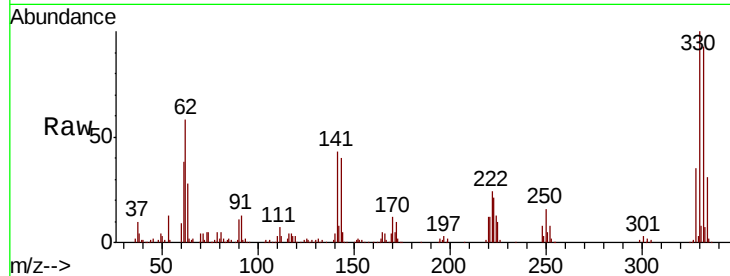
Tot Ion:198 Resp: 631

Ion Ratio Lower Upper

198 100

51 155.0 27.4 67.4#

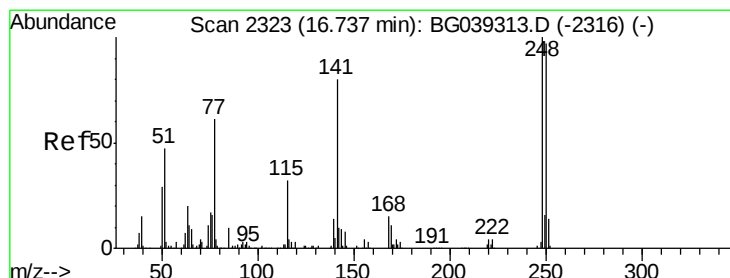
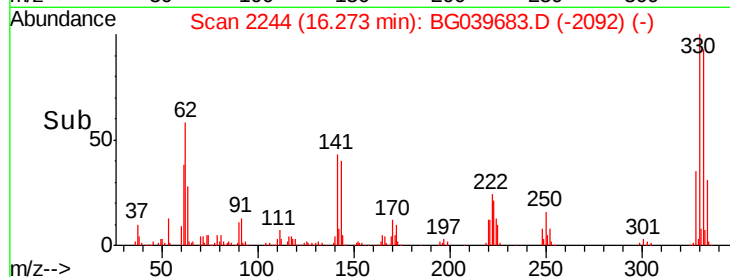
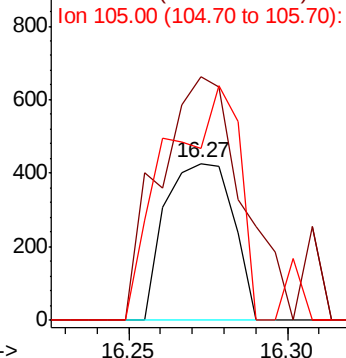
105 109.6 19.7 59.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.999 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.44 min

Lab File: BG039683.D

Acq: 1 Mar 2019 6:52

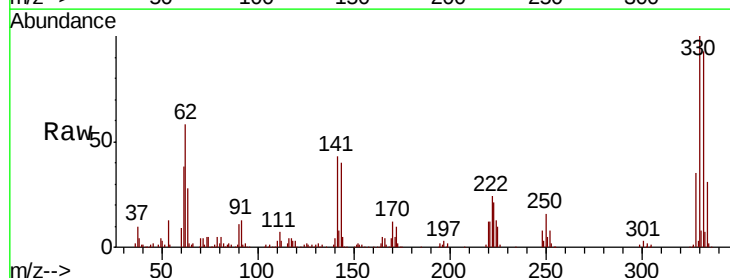
Tgt Ion:248 Resp: 15667

Ion Ratio Lower Upper

248 100

250 192.8 77.6 116.4#

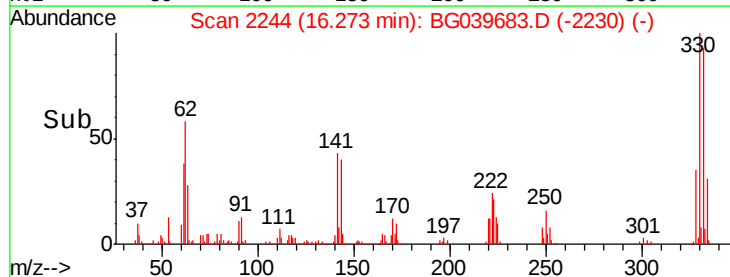
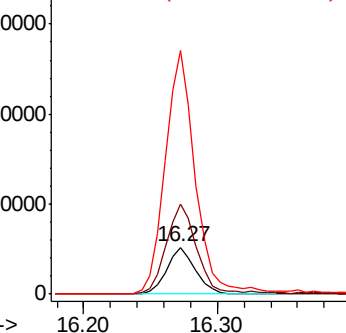
141 521.8 63.9 95.9#

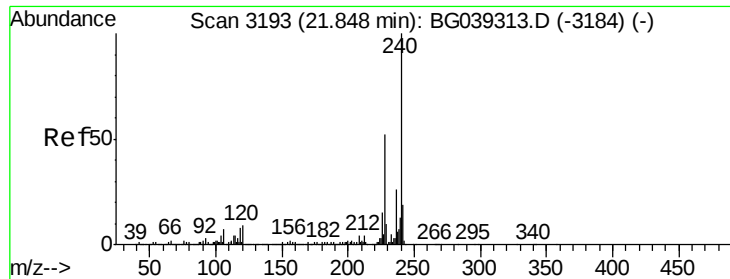


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

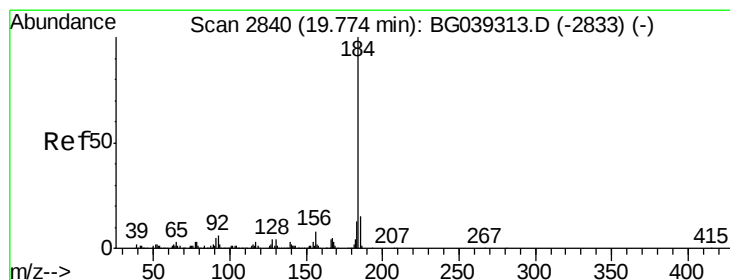
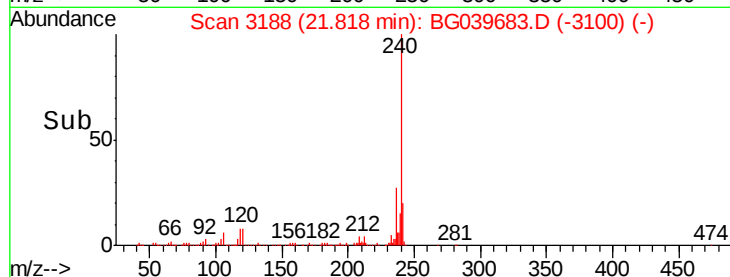
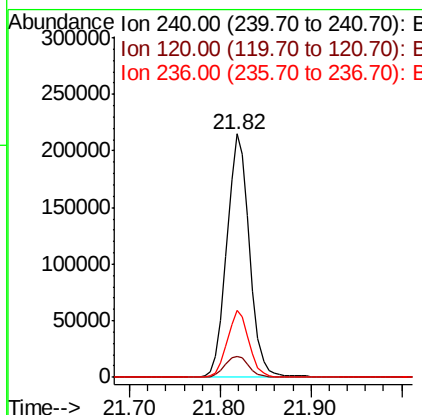
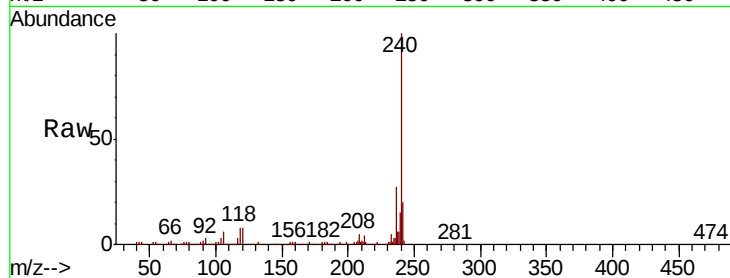




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3188
Delta R.T. -0.01 min
Lab File: BG039683.D
Acq: 1 Mar 2019 6:52

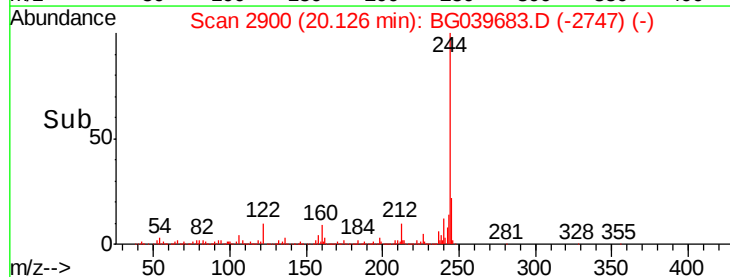
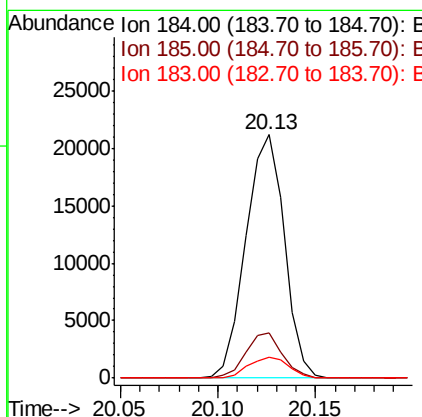
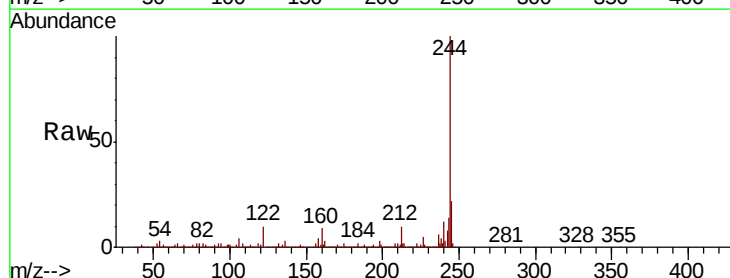
Instrument :
BNA_G
ClientSampled :

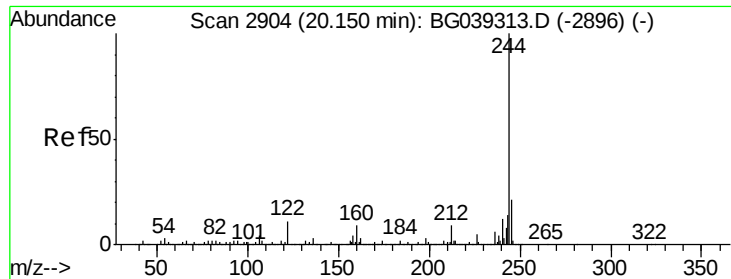
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.4	7.0	10.6
236	27.4	21.0	31.4



#77
Benzidine
Concen: 2.367 ng
RT: 20.13 min Scan# 2900
Delta R.T. 0.37 min
Lab File: BG039683.D
Acq: 1 Mar 2019 6:52

Tgt Ion	Ratio	Lower	Upper
184	100		
185	18.5	12.2	18.2#
183	8.6	10.6	15.8#





#79

Terphenyl-d14

Concen: 90.736 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.00 min

Lab File: BG039683.D

Acq: 1 Mar 2019 6:52

Instrument :

BNA_G

ClientSampled :

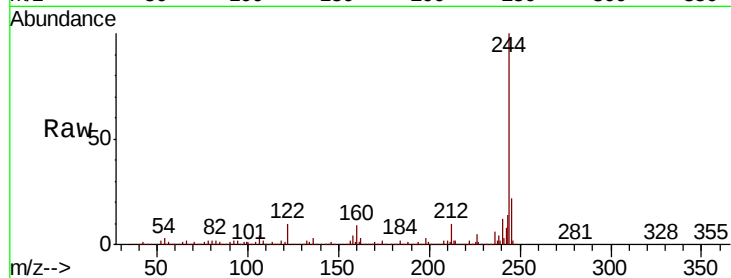
Tot Ion:244 Resp: 1598786

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.3	10.9
122	10.2	8.4	12.6

244 100

212 9.6 7.3 10.9

122 10.2 8.4 12.6

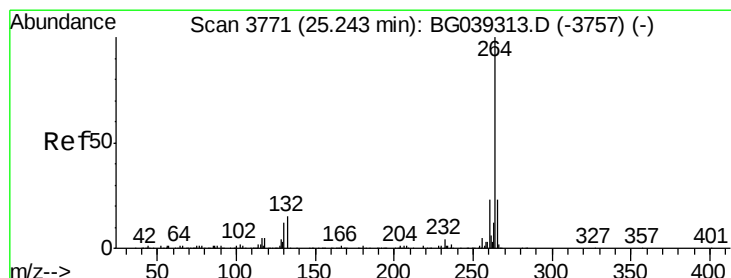
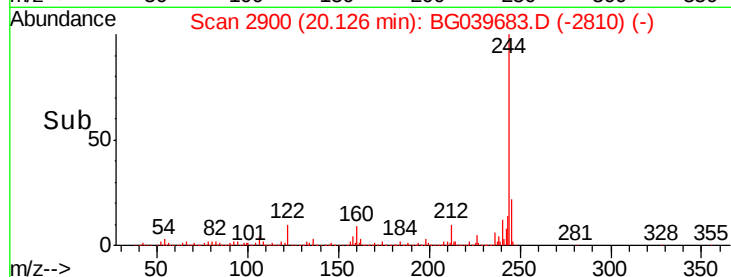
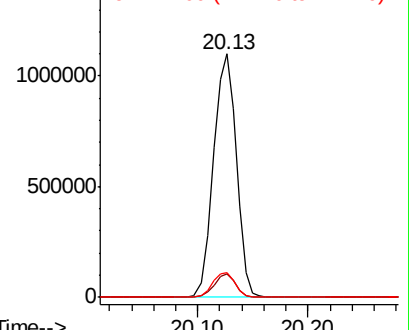


Abundance

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: 25.20 min Scan# 3763

Delta R.T. -0.00 min

Lab File: BG039683.D

Acq: 1 Mar 2019 6:52

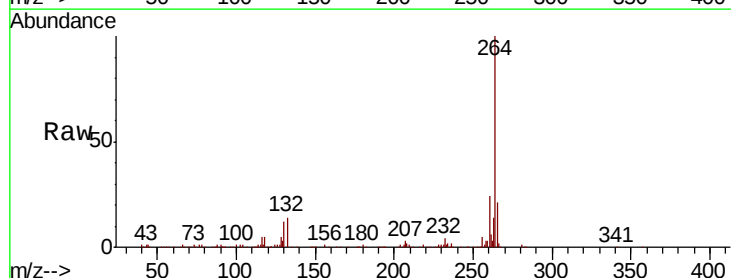
Tgt Ion:264 Resp: 362354

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.2	27.4
265	20.7	18.5	27.7

264 100

260 24.5 18.2 27.4

265 20.7 18.5 27.7



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

