

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
 Data File : BG039465.D
 Acq On : 12 Feb 2019 15:52
 Operator : JU/SJ
 Sample : K1462-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 12 18:01:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	45639	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	214977	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	155148	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	378372	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	385692	20.00	ng	-0.02
87) Perylene-d12	25.21	264	384486	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	440416	165.16	ng	0.00
7) Phenol-d6	7.31	99	668201	170.24	ng	-0.01
23) Nitrobenzene-d5	9.35	82	388592	112.92	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	274624	164.38	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	982934	90.89	ng	-0.02
79) Terphenyl-d14	20.13	244	1510912	82.92	ng	-0.02

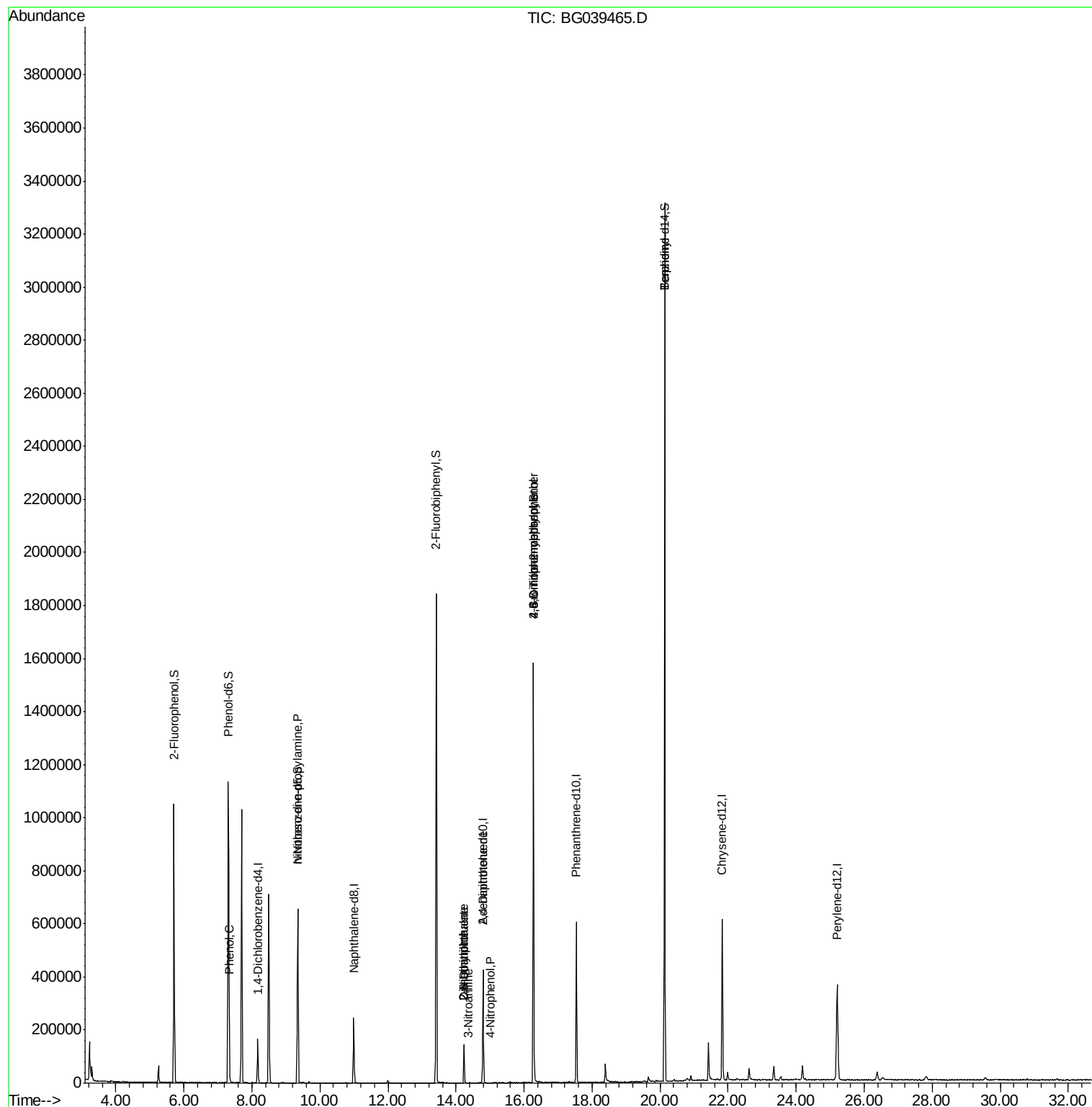
Target Compounds				Qvalue		
9) Benzaldehyde	7.31	77	1549	Below Cal	#	4
10) Phenol	7.34	94	37846	9.250	ng	94
19) n-Nitroso-di-n-propylamine	9.35	70	50760	18.220	ng	69
48) 2-Nitroaniline	14.24	65	912	8.567	ng	1
50) Dimethylphthalate	14.23	163	95797	7.645	ng	100
51) 2,6-Dinitrotoluene	14.23	165	882	6.884	ng	28
53) 3-Nitroaniline	14.37	138	54	5.812	ng	1
56) 4-Nitrophenol	15.01	139	57	5.817	ng	1
57) 2,4-Dinitrotoluene	14.79	165	19588	13.291	ng	18
65) 4,6-Dinitro-2-methylphenol	16.28	198	895	4.933	ng	1
67) 4-Bromophenyl-phenylether	16.28	248	20865	4.971	ng	1
77) Benzidine	20.13	184	27260	2.156	ng	89

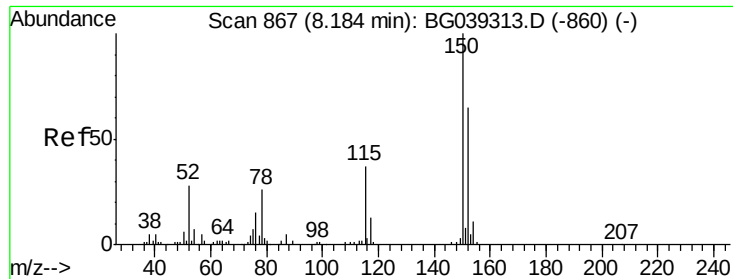
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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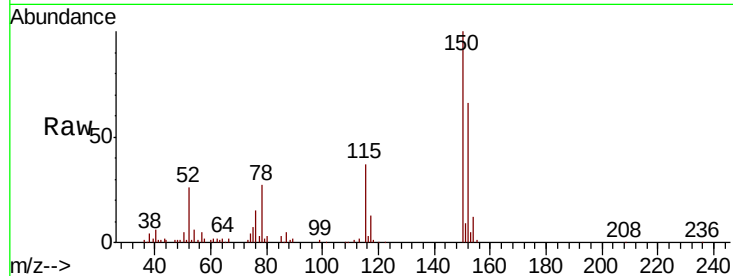


#1

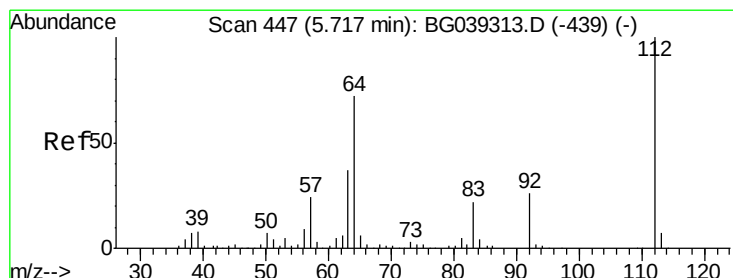
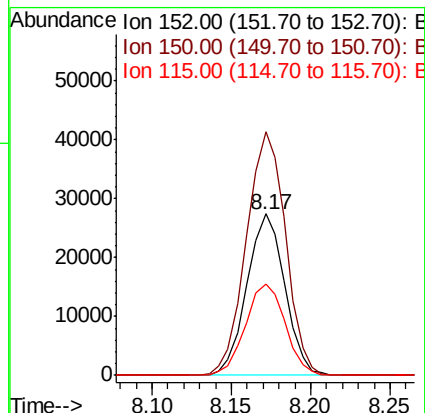
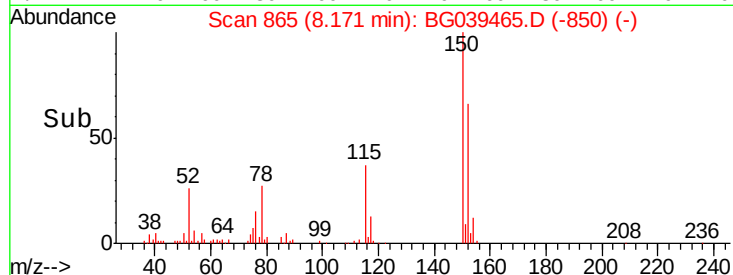
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039465.D
Acq: 12 Feb 2019 15:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 45639
Ion Ratio Lower Upper
152 100
150 150.9 123.7 185.5
115 56.2 45.9 68.9



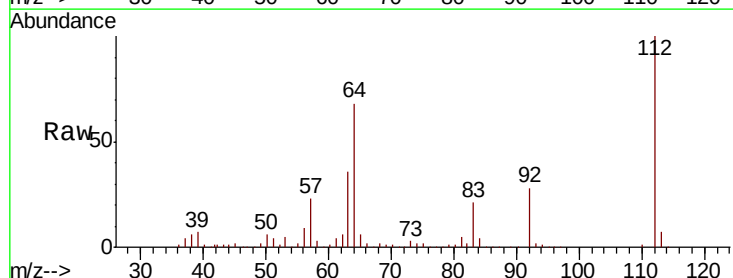
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



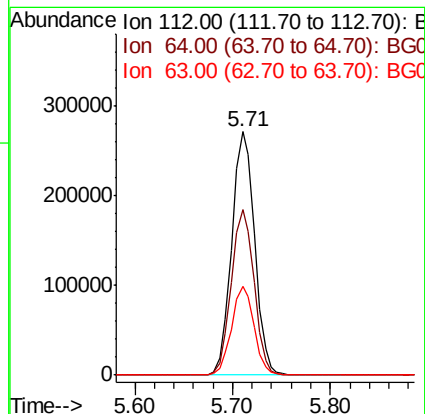
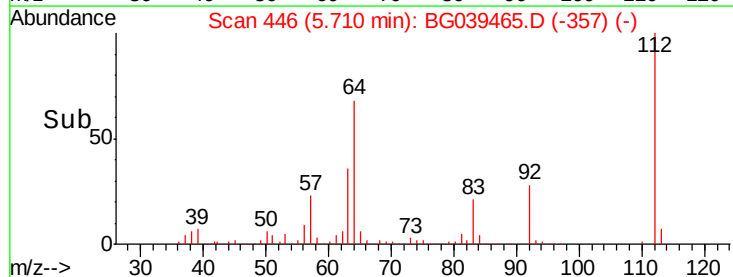
#5

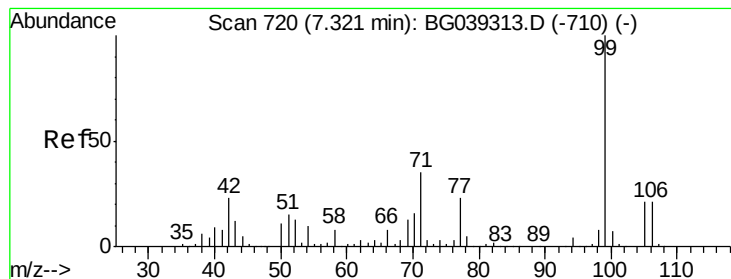
2-Fluorophenol
Concen: 165.160 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039465.D
Acq: 12 Feb 2019 15:52

Tgt Ion:112 Resp: 440416
Ion Ratio Lower Upper
112 100
64 68.2 57.8 86.8
63 36.4 29.8 44.6



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: 170.236 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039465.D

Acq: 12 Feb 2019 15:52

Instrument :

BNA_G

ClientSampled :

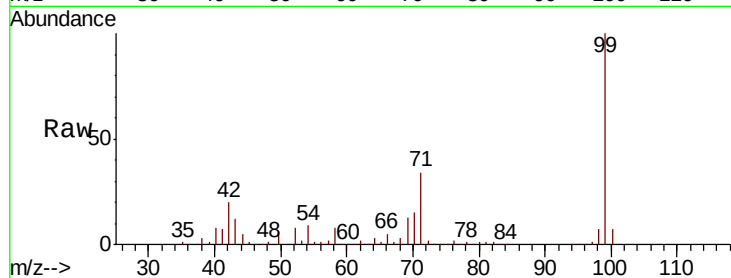
Tot Ion: 99 Resp: 668201

Ion Ratio Lower Upper

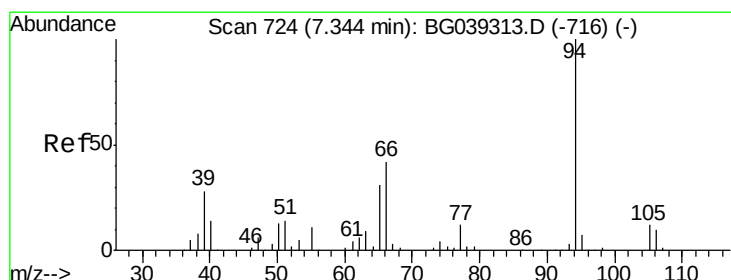
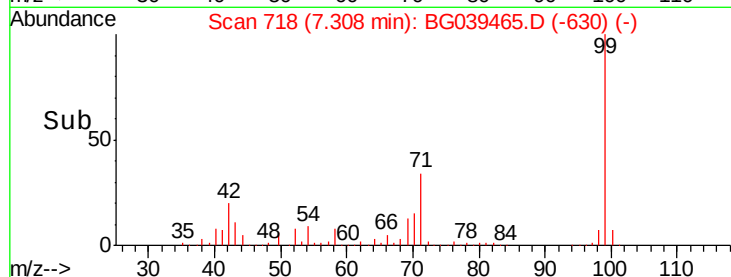
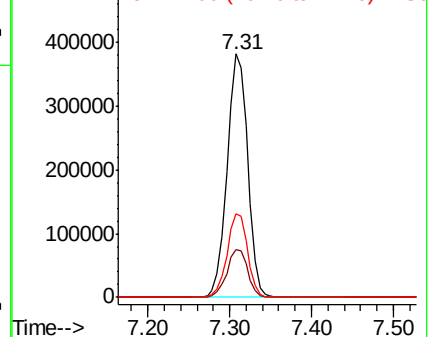
99 100

42 19.8 18.2 27.2

71 34.2 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



#10

Phenol

Concen: 9.250 ng

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BG039465.D

Acq: 12 Feb 2019 15:52

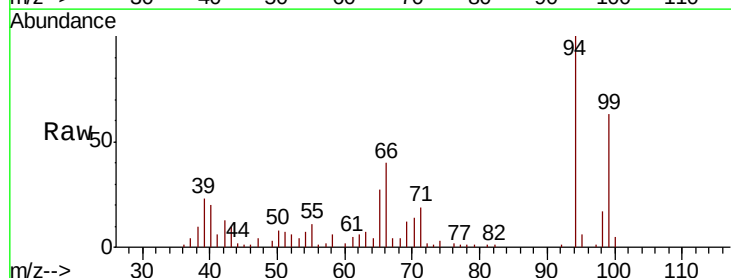
Tgt Ion: 94 Resp: 37846

Ion Ratio Lower Upper

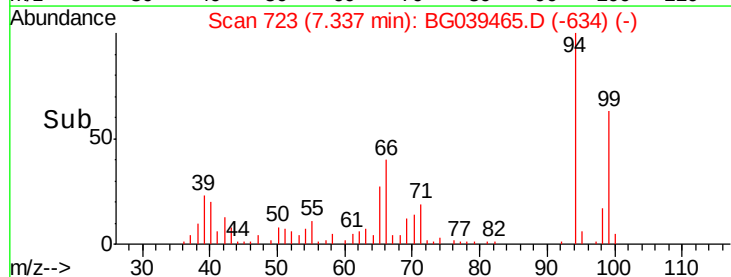
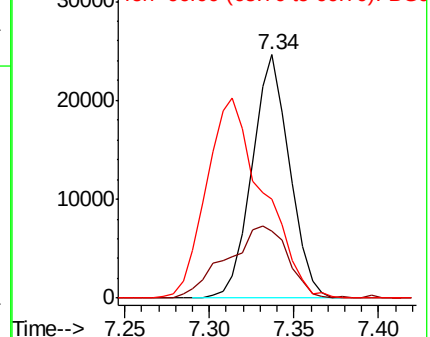
94 100

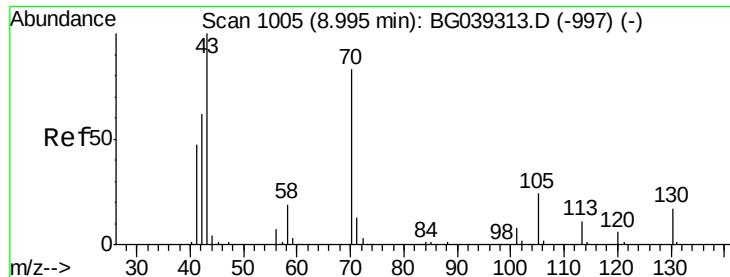
65 27.3 11.7 51.7

66 40.4 23.7 63.7



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

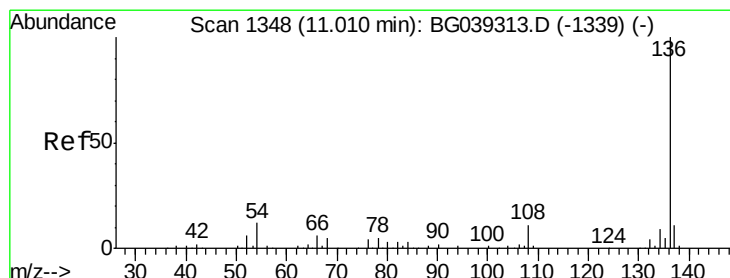
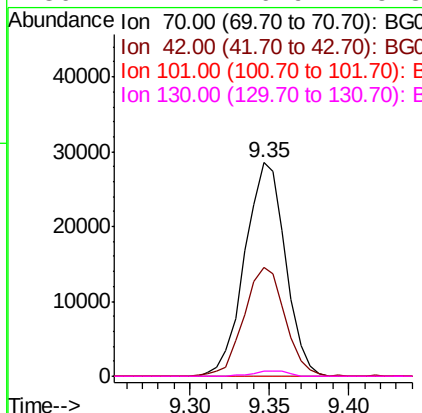
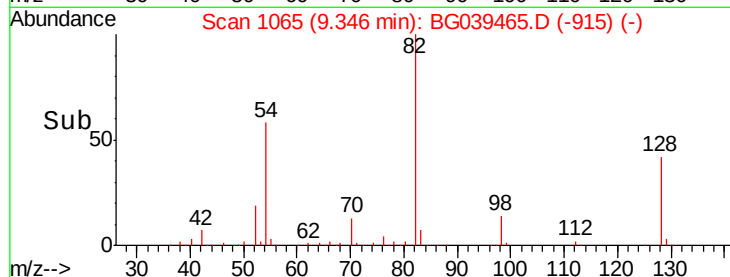
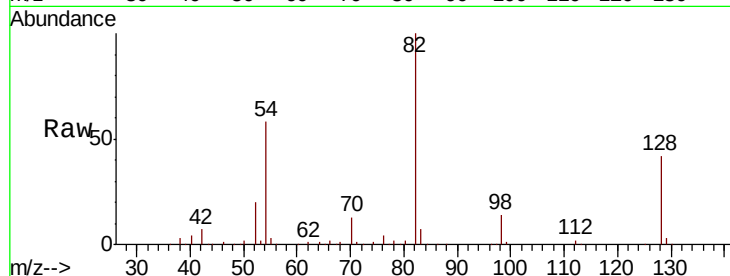




#19
n-Nitroso-di-n-propylamine
Concen: 18.220 ng
RT: 9.35 min Scan# 1065
Delta R.T. 0.35 min
Lab File: BG039465.D
Acq: 12 Feb 2019 15:52

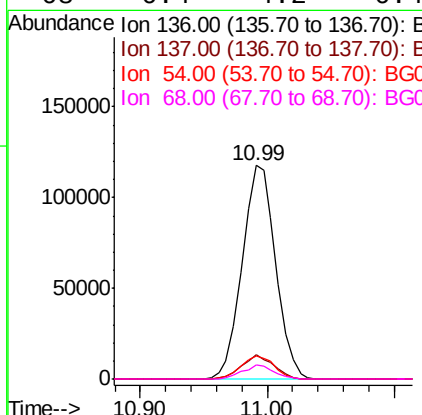
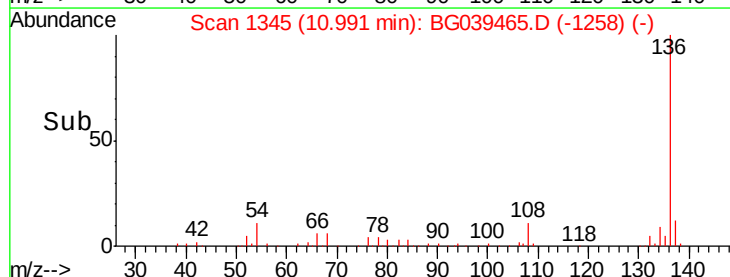
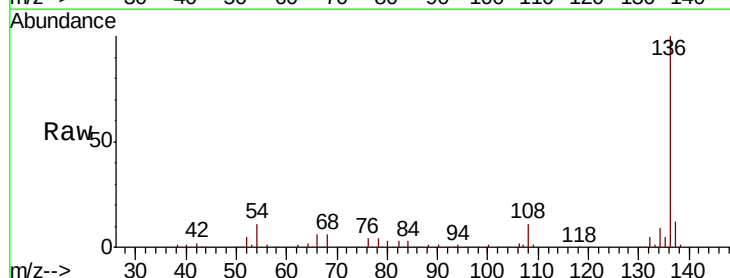
Instrument :
BNA_G
ClientSampleId :

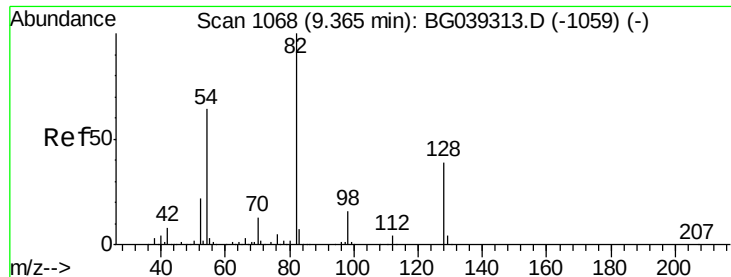
Tot Ion: 70 Resp: 50760
Ion Ratio Lower Upper
70 100
42 51.1 60.4 90.6#
101 0.0 7.5 11.3#
130 2.2 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039465.D
Acq: 12 Feb 2019 15:52

Tgt Ion: 136 Resp: 214977
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 10.6 9.4 14.2
68 6.4 4.2 6.4#

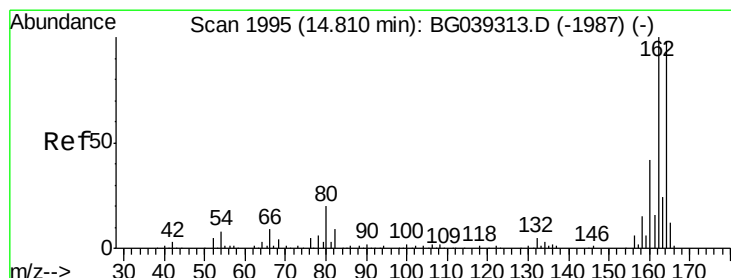
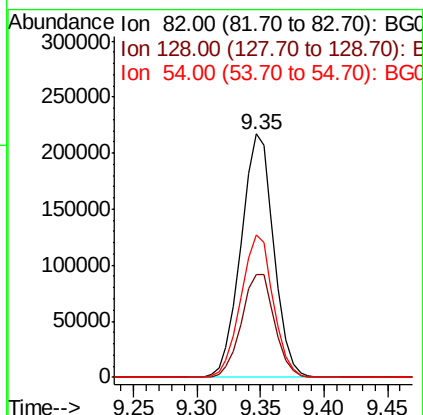
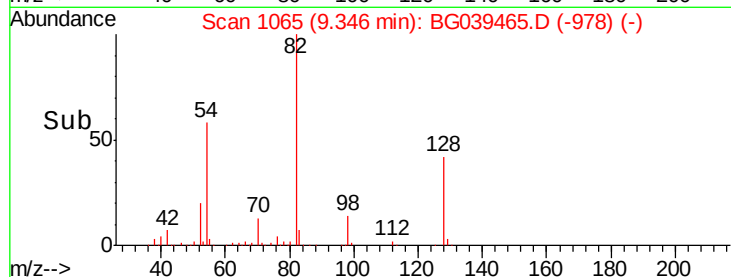
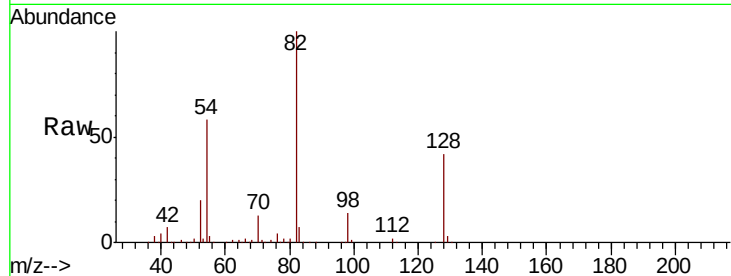




#23
Nitrobenzene-d5
Concen: 112.924 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039465.D
Acq: 12 Feb 2019 15:52

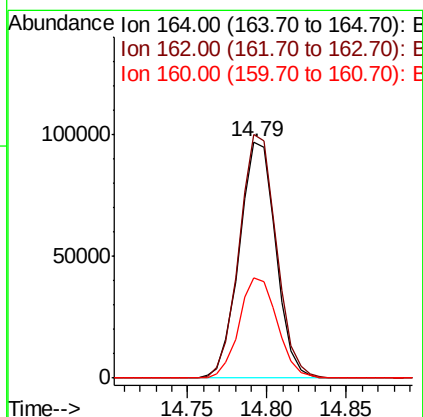
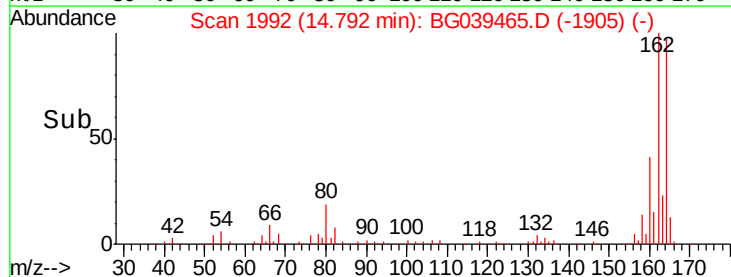
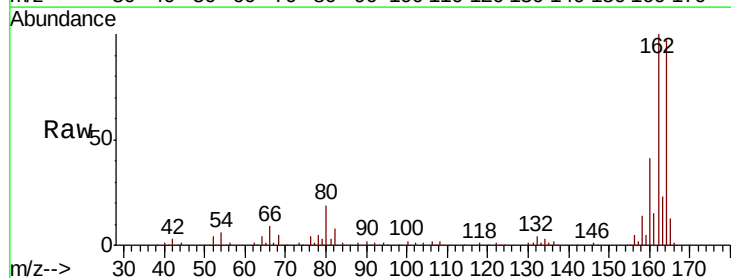
Instrument :
BNA_G
ClientSampleId :

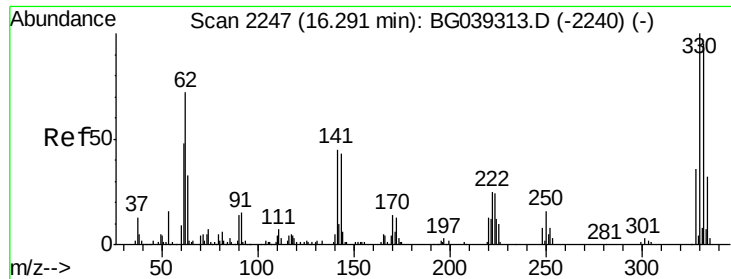
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.5	31.3	46.9
54	58.3	50.9	76.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039465.D
Acq: 12 Feb 2019 15:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	81.6	122.4
160	42.5	34.2	51.2

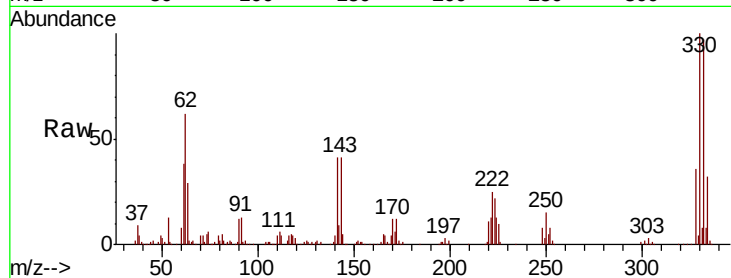




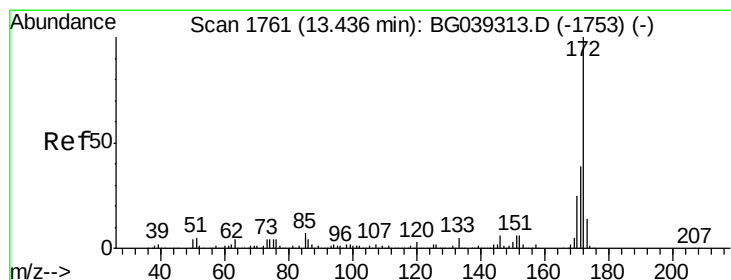
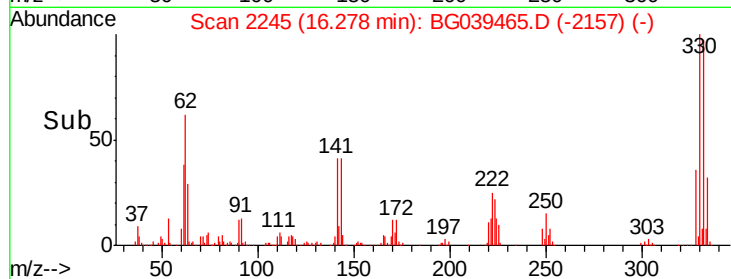
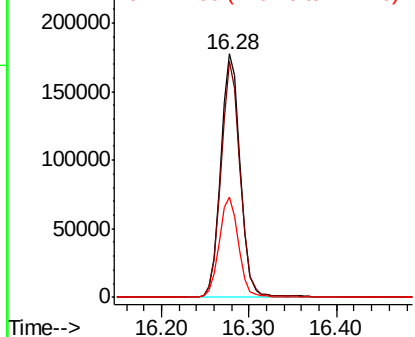
#42
 2,4,6-Tribromophenol
 Concen: 164.379 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.01 min
 Lab File: BG039465.D
 Acq: 12 Feb 2019 15:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 274624
 Ion Ratio Lower Upper
 330 100
 332 95.5 75.7 113.5
 141 41.1 35.6 53.4

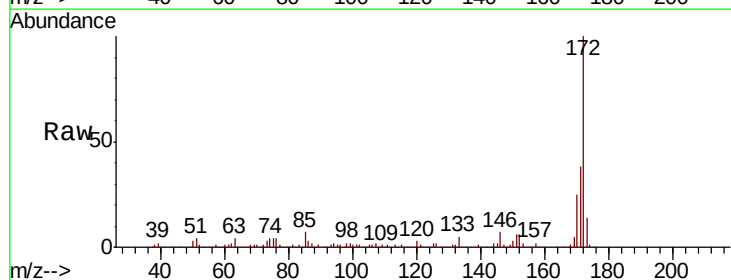


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

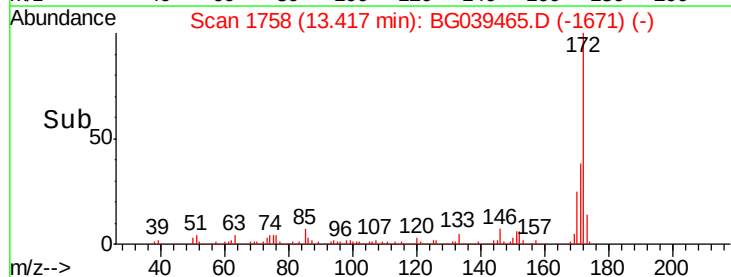
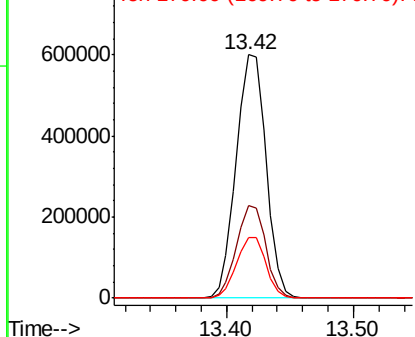


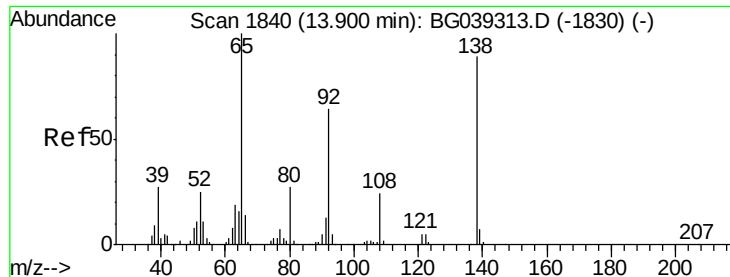
#45
 2-Fluorobiphenyl
 Concen: 90.885 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039465.D
 Acq: 12 Feb 2019 15:52

Tgt Ion:172 Resp: 982934
 Ion Ratio Lower Upper
 172 100
 171 38.3 30.8 46.2
 170 25.0 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: 8.567 ng

RT: 14.24 min Scan# 1898

Delta R.T. 0.34 min

Lab File: BG039465.D

Acq: 12 Feb 2019 15:52

Instrument :

BNA_G

ClientSampleId :

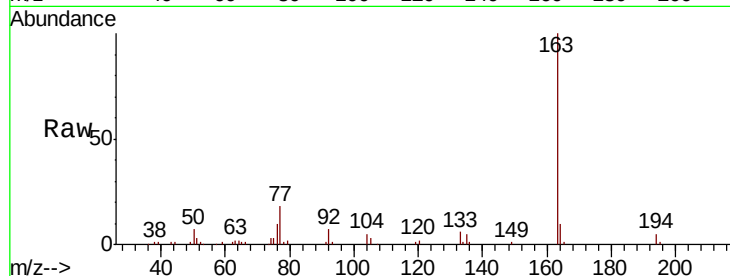
Tot Ion: 65 Resp: 912

Ion Ratio Lower Upper

65 100

92 796.2 51.4 77.2#

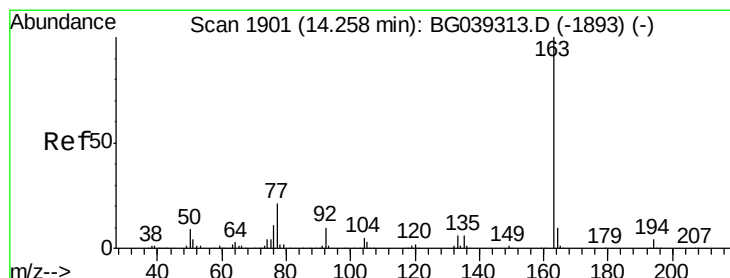
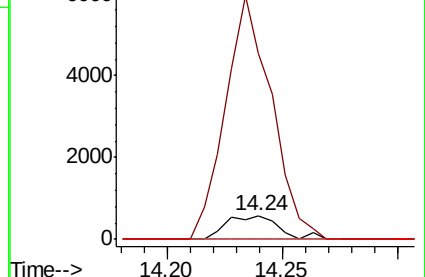
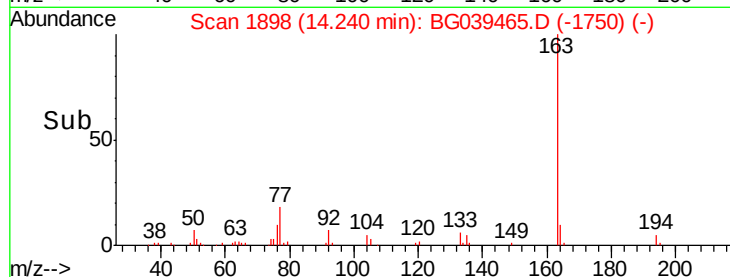
138 0.0 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BG039313.D (-1830) (-)

Ion 92.00 (91.70 to 92.70): BG039313.D (-1830) (-)

Ion 138.00 (137.70 to 138.70): BG039313.D (-1830) (-)



#50

Dimethylphthalate

Concen: 7.645 ng

RT: 14.23 min Scan# 1897

Delta R.T. -0.02 min

Lab File: BG039465.D

Acq: 12 Feb 2019 15:52

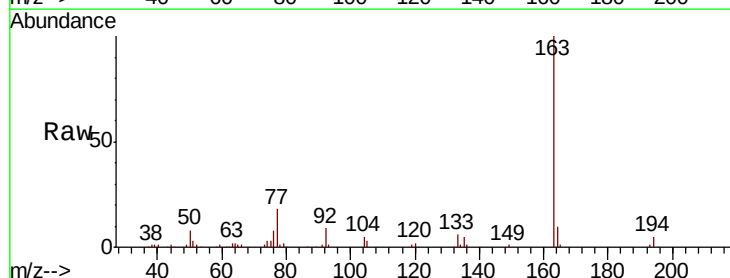
Tgt Ion: 163 Resp: 95797

Ion Ratio Lower Upper

163 100

194 4.6 3.6 5.4

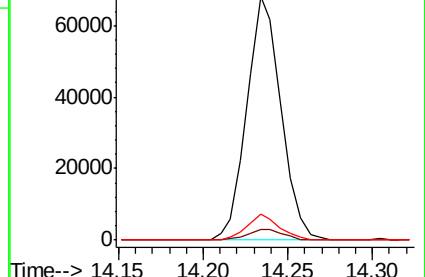
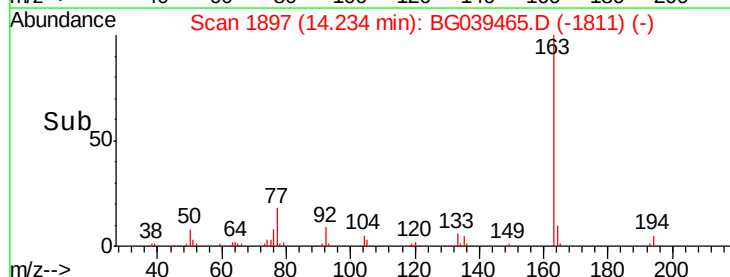
164 10.5 8.4 12.6

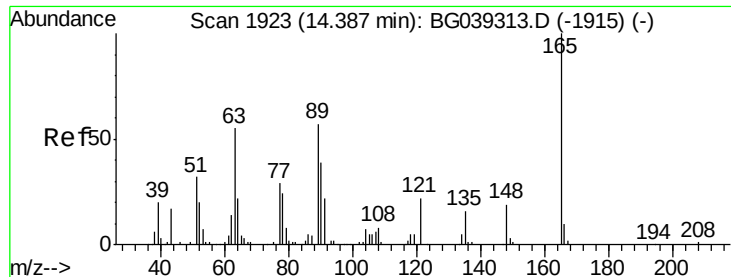


Abundance Ion 163.00 (162.70 to 163.70): BG039313.D (-1893) (-)

Ion 194.00 (193.70 to 194.70): BG039313.D (-1893) (-)

Ion 164.00 (163.70 to 164.70): BG039313.D (-1893) (-)

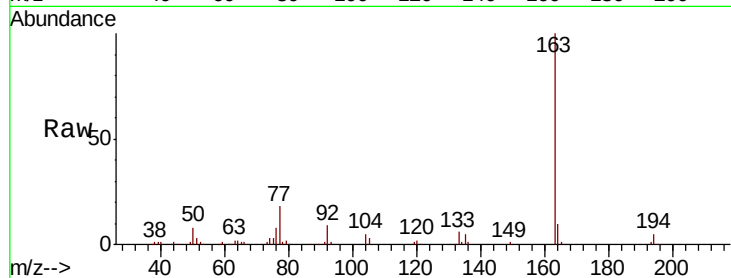




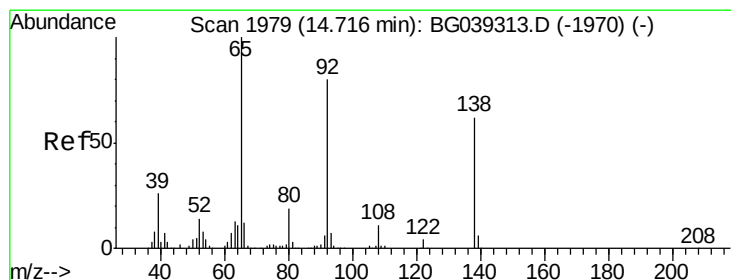
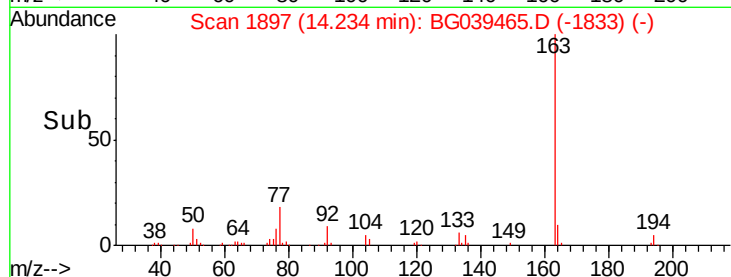
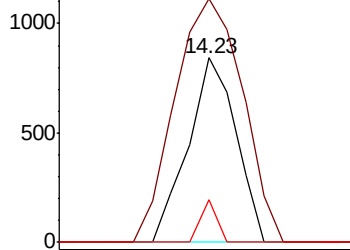
#51
 2,6-Dinitrotoluene
 Concen: 6.884 ng
 RT: 14.23 min Scan# 1897
 Delta R.T. -0.15 min
 Lab File: BG039465.D
 Acq: 12 Feb 2019 15:52

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 882
 Ion Ratio Lower Upper
 165 100
 63 132.2 47.0 70.6#
 89 23.2 45.8 68.8#

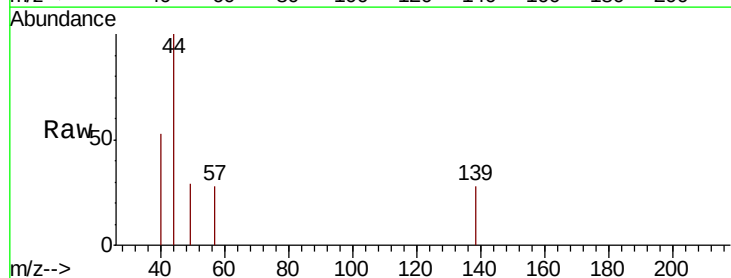


Abundance Ion 165.00 (164.70 to 165.70): E
 1500 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

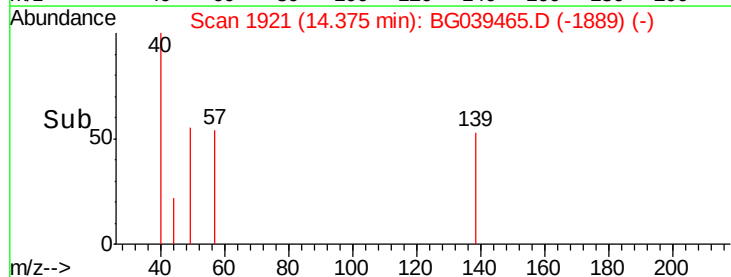
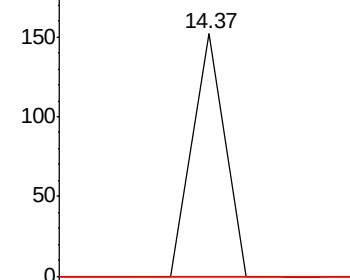


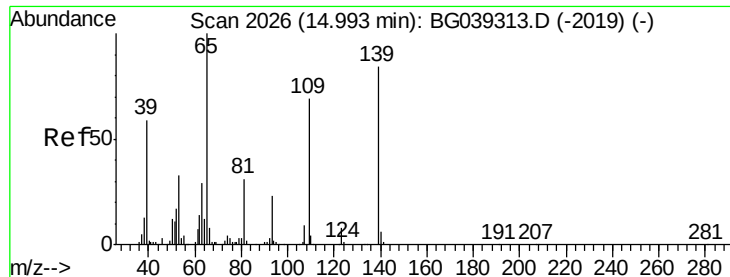
#53
 3-Nitroaniline
 Concen: 5.812 ng
 RT: 14.37 min Scan# 1921
 Delta R.T. -0.34 min
 Lab File: BG039465.D
 Acq: 12 Feb 2019 15:52

Tgt Ion:138 Resp: 54
 Ion Ratio Lower Upper
 138 100
 108 0.0 13.8 20.8#
 92 0.0 103.7 155.5#



Abundance Ion 138.00 (137.70 to 138.70): E
 200 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BGC





#56

4-Nitrophenol

Concen: 5.817 ng

RT: 15.01 min Scan# 2029

Delta R.T. 0.02 min

Lab File: BG039465.D

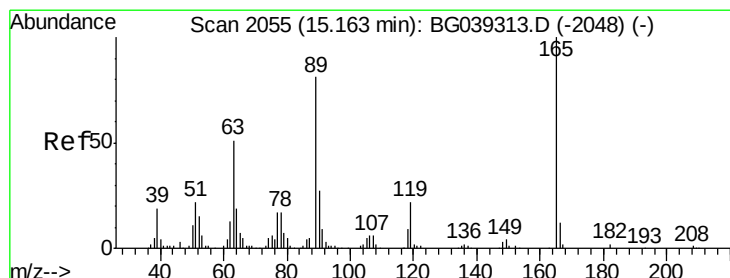
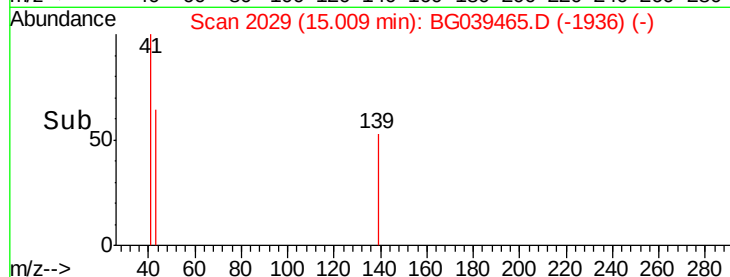
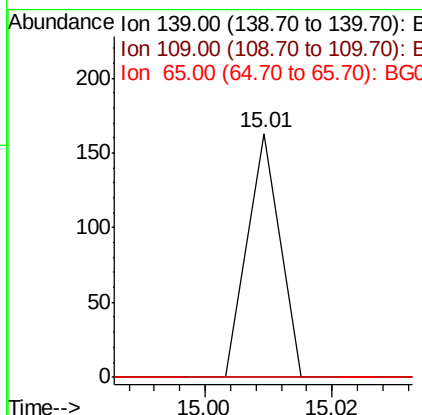
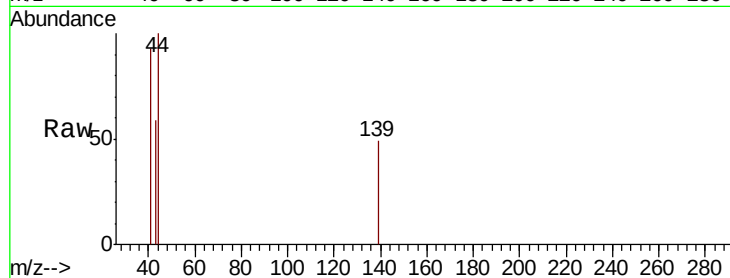
Acq: 12 Feb 2019 15:52

Instrument :

BNA_G

ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#



#57

2,4-Dinitrotoluene

Concen: 13.291 ng

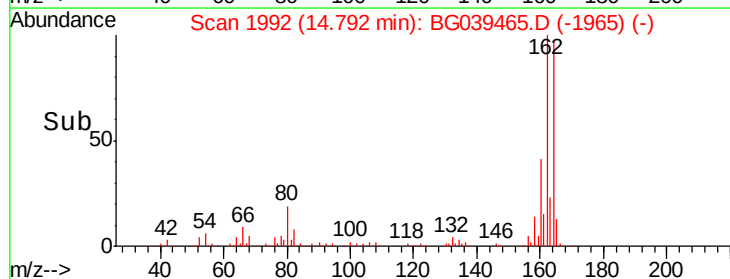
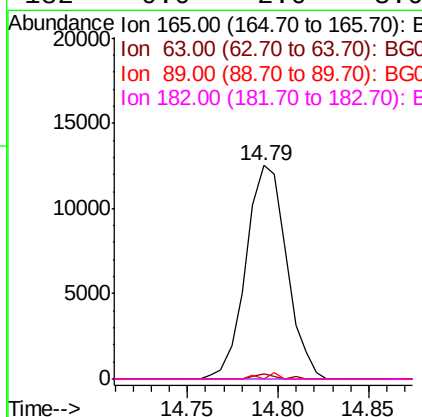
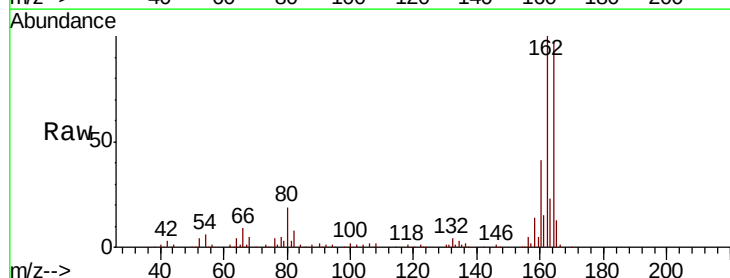
RT: 14.79 min Scan# 1992

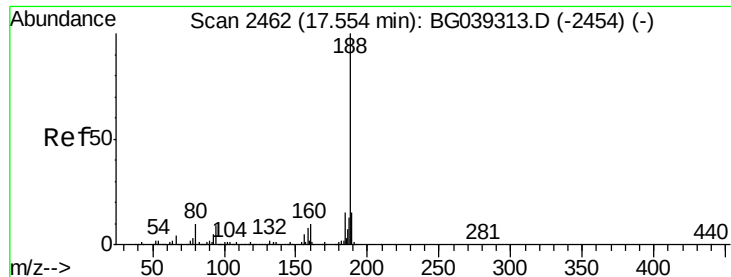
Delta R.T. -0.37 min

Lab File: BG039465.D

Acq: 12 Feb 2019 15:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	41.0	61.6#
89	0.0	64.6	96.8#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039465.D

Acq: 12 Feb 2019 15:52

Instrument :

BNA_G

ClientSampleId :

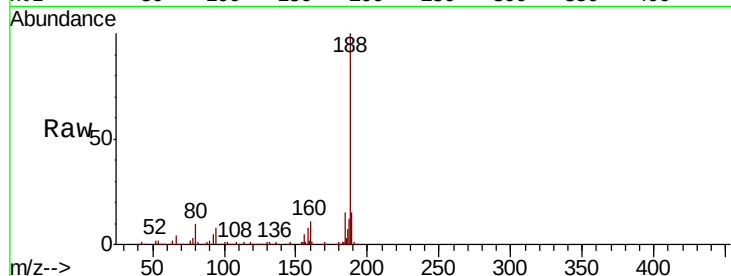
Tot Ion:188 Resp: 378372

Ion Ratio Lower Upper

188 100

94 7.8 6.9 10.3

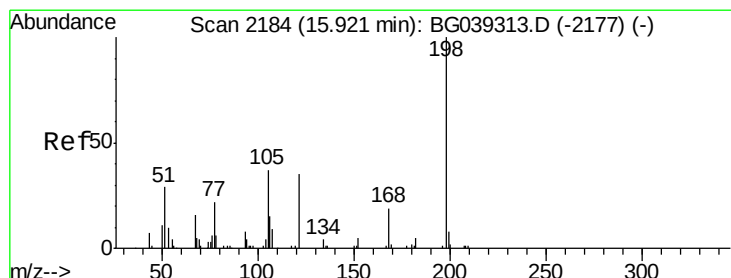
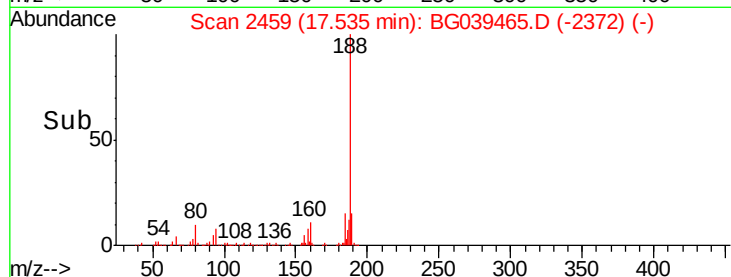
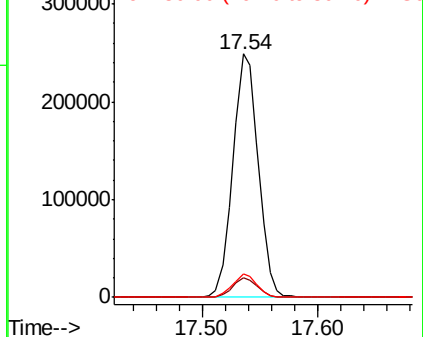
80 9.7 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 4.933 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039465.D

Acq: 12 Feb 2019 15:52

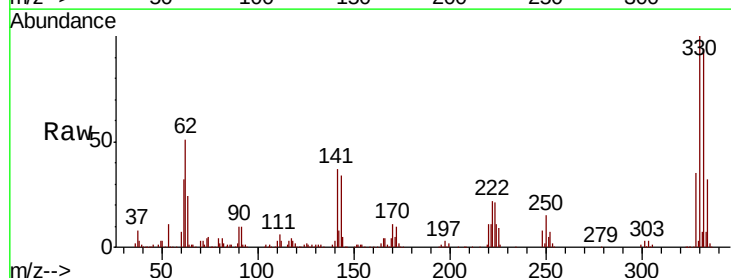
Tgt Ion:198 Resp: 895

Ion Ratio Lower Upper

198 100

51 137.0 27.4 67.4#

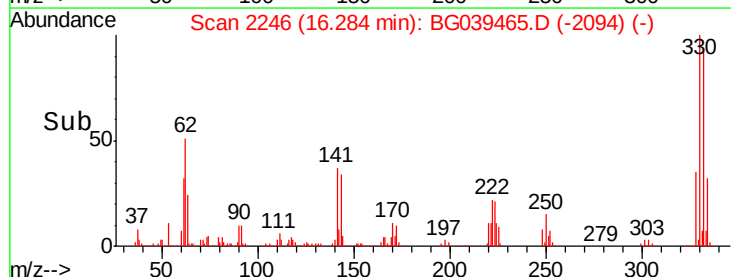
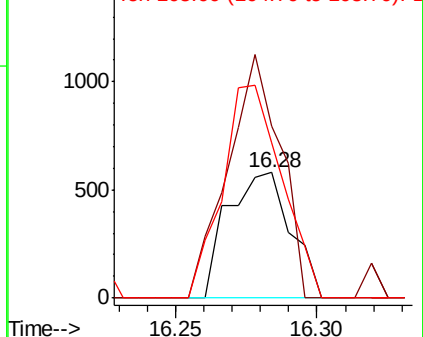
105 123.6 19.7 59.7#

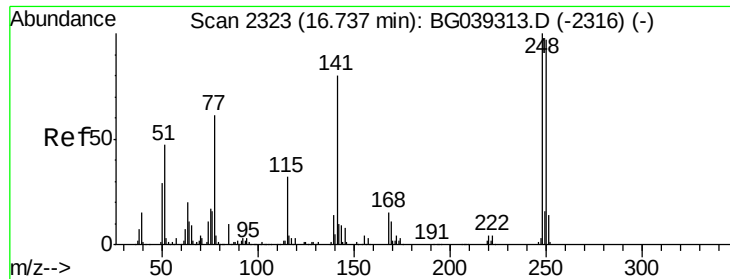


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

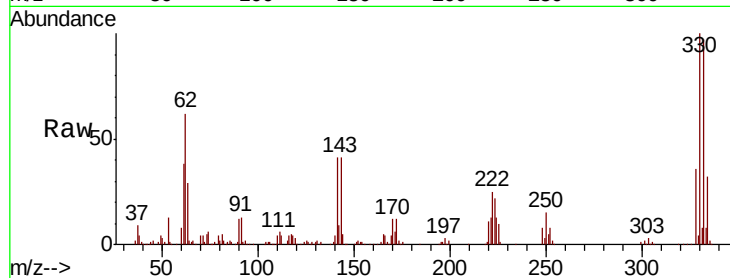




#67
4-Bromophenyl-phenylether
Concen: 4.971 ng
RT: 16.28 min Scan# 2245
Delta R.T. -0.46 min
Lab File: BG039465.D
Acq: 12 Feb 2019 15:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	198.6	77.6	116.4#
141	537.1	63.9	95.9#

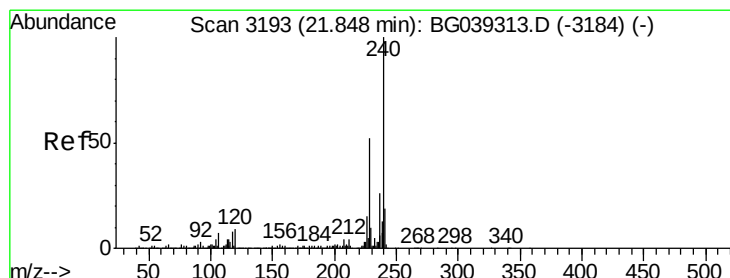
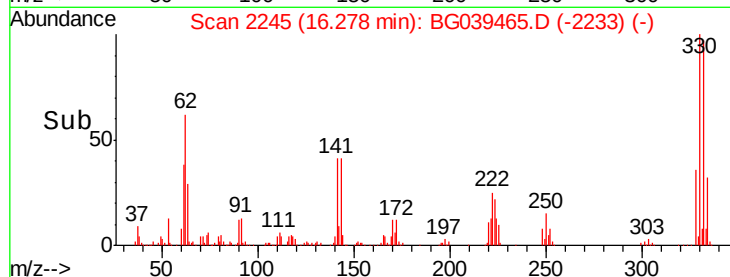
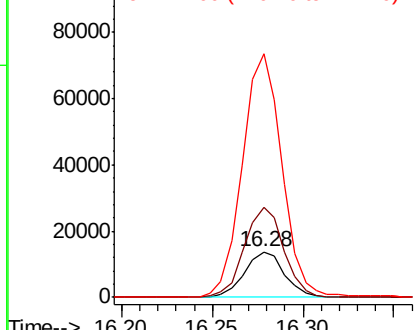


Abundance

Ion 248.00 (247.70 to 248.70): E

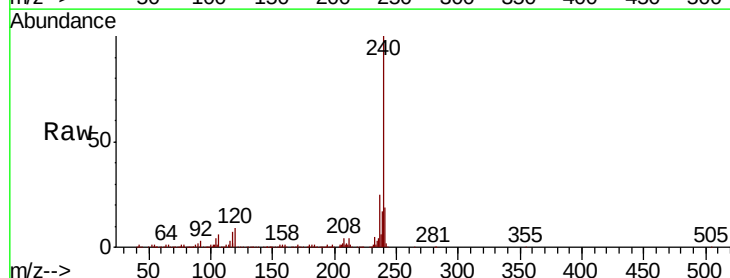
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039465.D
Acq: 12 Feb 2019 15:52

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.0	7.0	10.6
236	25.4	21.0	31.4

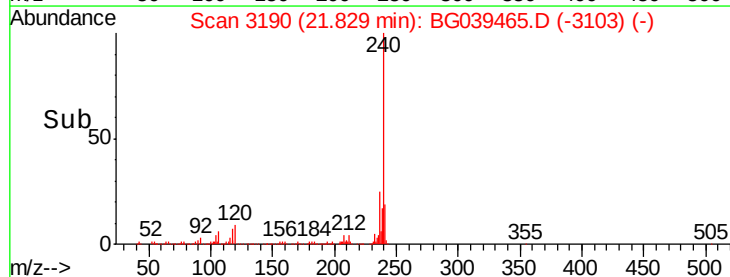
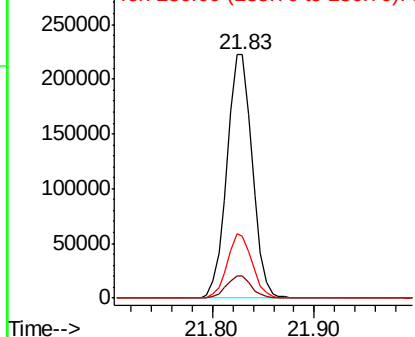


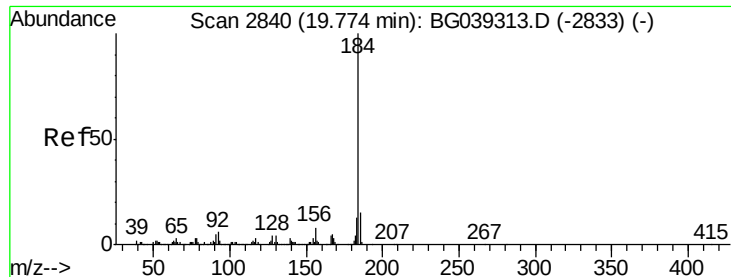
Abundance

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: 2.156 ng

RT: 20.13 min Scan# 2901

Delta R.T. 0.36 min

Lab File: BG039465.D

Acq: 12 Feb 2019 15:52

Instrument :

BNA_G

ClientSampled :

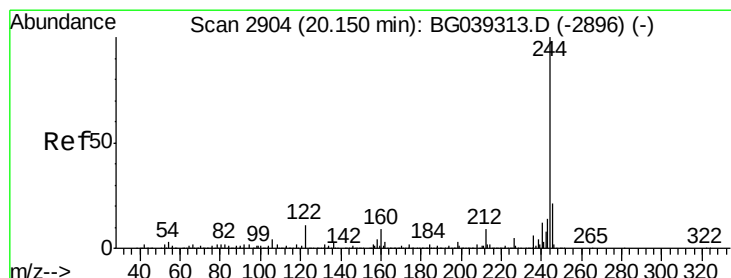
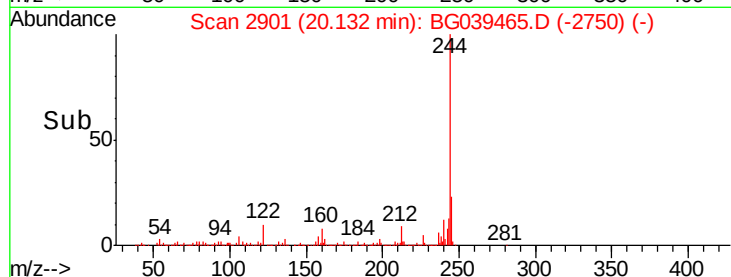
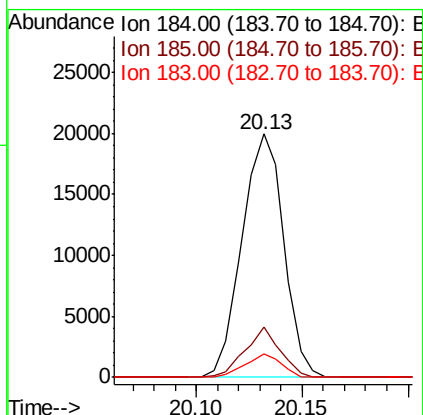
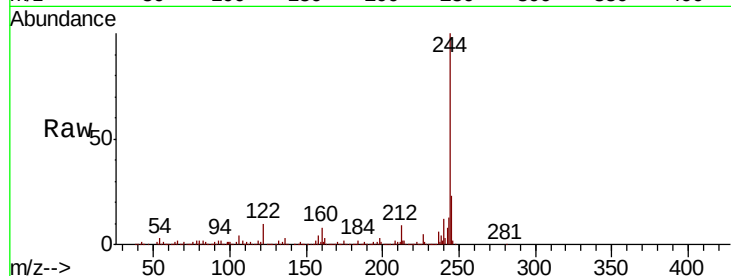
Tot Ion:184 Resp: 27260

Ion Ratio Lower Upper

184 100

185 20.6 12.2 18.2#

183 9.5 10.6 15.8#



#79

Terphenyl-d14

Concen: 82.919 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039465.D

Acq: 12 Feb 2019 15:52

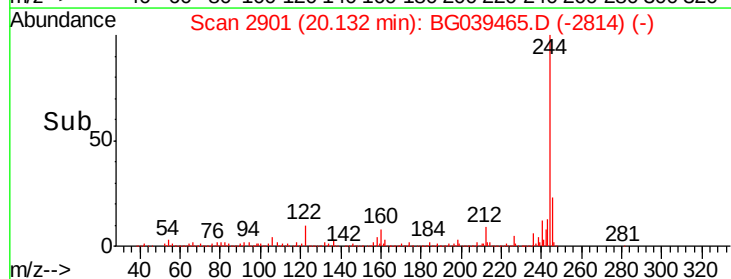
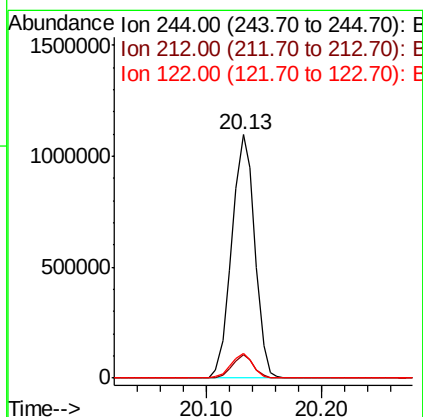
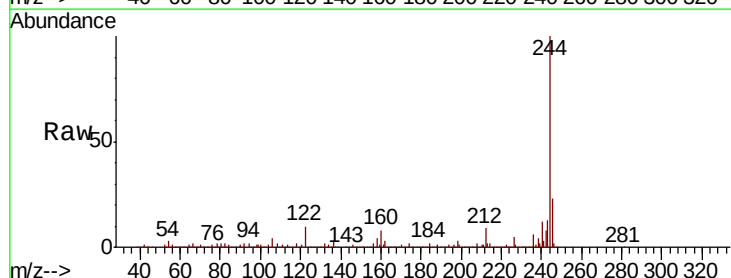
Tgt Ion:244 Resp: 1510912

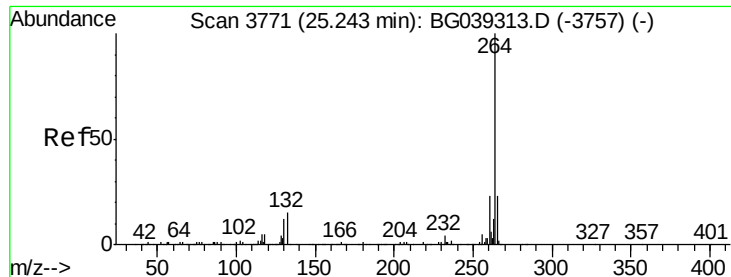
Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

122 10.1 8.4 12.6





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.21 min Scan# 3765
Delta R.T. -0.04 min
Lab File: BG039465.D
Acq: 12 Feb 2019 15:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	264	Resp:	384486
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.2	27.4
265	21.5	18.5	27.7

