

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022719\
 Data File : BG039637.D
 Acq On : 27 Feb 2019 16:38
 Operator : JU/SJ
 Sample : K1631-13
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 Z31W

Quant Time: Feb 27 23:57:09 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	8.16	152	45077	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	191653	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	131756	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	336947	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	354304	20.00	ng	-0.03
87) Perylene-d12	25.20	264	350708	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	166333	63.15	ng	0.00
7) Phenol-d6	7.31	99	141592	36.52	ng	0.00
23) Nitrobenzene-d5	9.34	82	345887	112.75	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	228417	160.99	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	832173	90.61	ng	-0.02
79) Terphenyl-d14	20.12	244	1402091	83.76	ng	-0.03

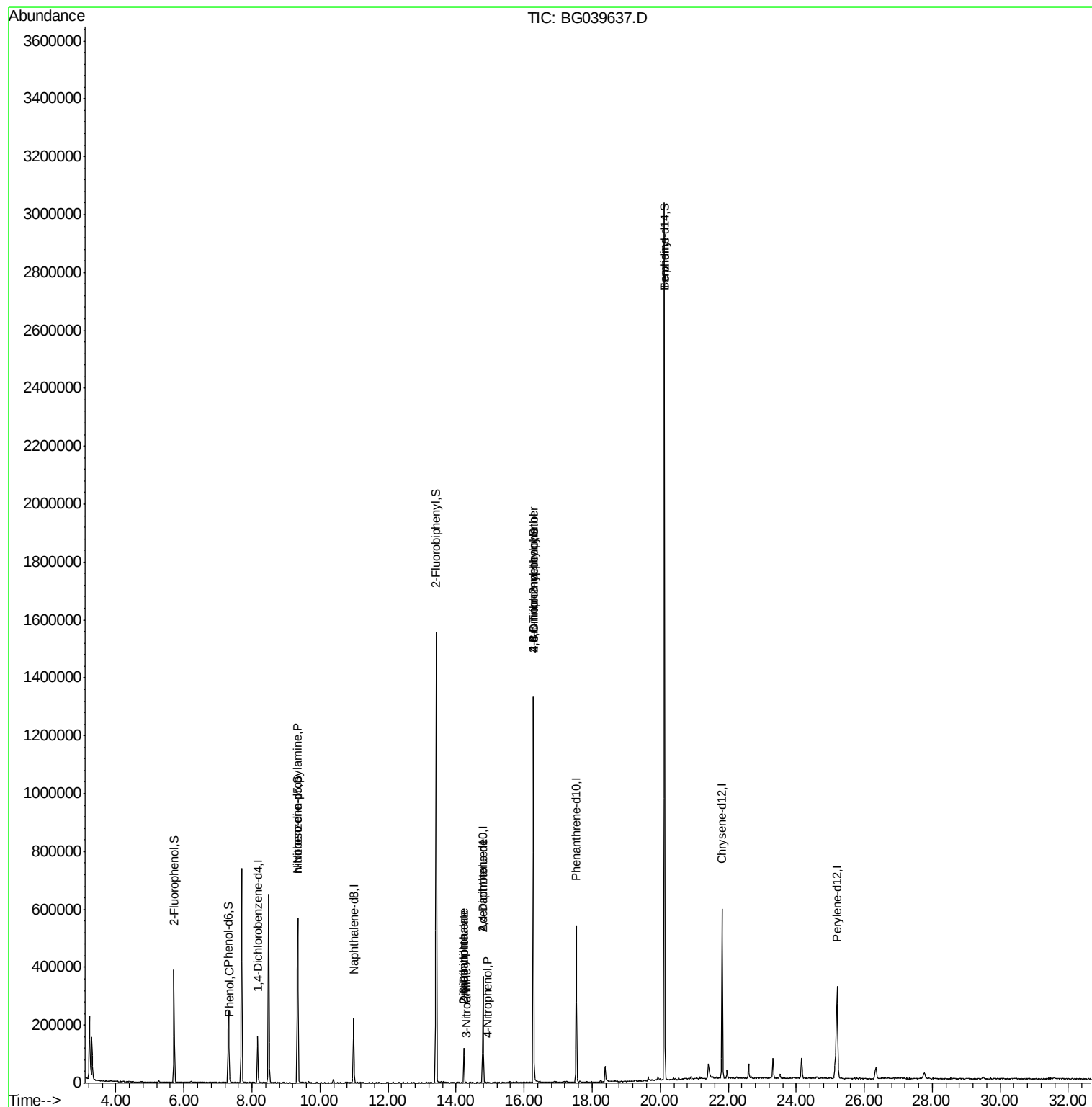
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	100	Below Cal		# 4
10) Phenol	7.34	94	17978	4.449	ng	# 96
19) n-Nitroso-di-n-propylamine	9.34	70	43800	15.918	ng	# 69
48) 2-Nitroaniline	14.24	65	861	8.597	ng	# 1
50) Dimethylphthalate	14.23	163	83371	7.835	ng	# 99
51) 2,6-Dinitrotoluene	14.23	165	837	6.922	ng	# 1
53) 3-Nitroaniline	14.30	138	60	5.817	ng	# 1
56) 4-Nitrophenol	14.93	139	58	5.822	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	16453	13.231	ng	# 17
65) 4,6-Dinitro-2-methylphenol	16.27	198	750	4.889	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	19021	5.088	ng	# 1
77) Benzidine	20.12	184	24614	2.119	ng	# 89

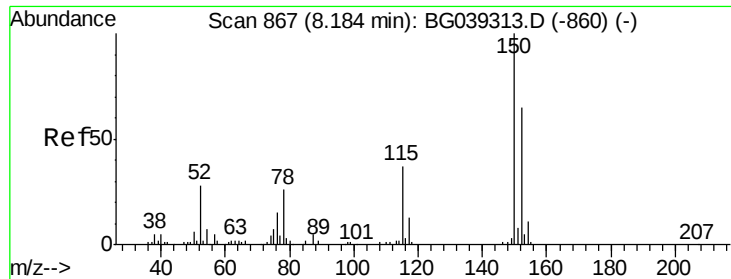
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022719\
Data File : BG039637.D
Acq On : 27 Feb 2019 16:38
Operator : JU/SJ
Sample : K1631-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
Z31W

Quant Time: Feb 27 23:57:09 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



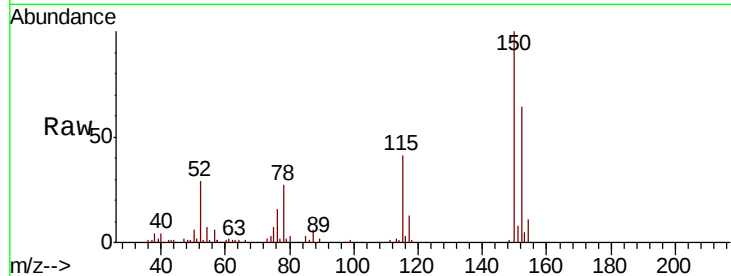


#1

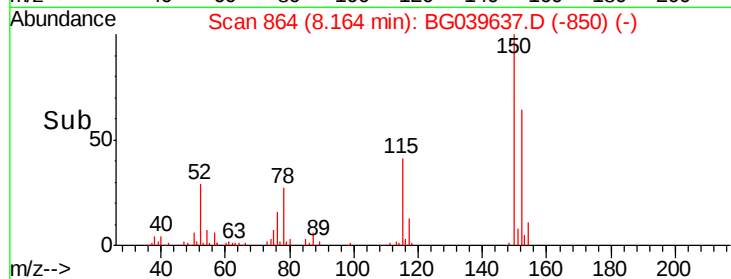
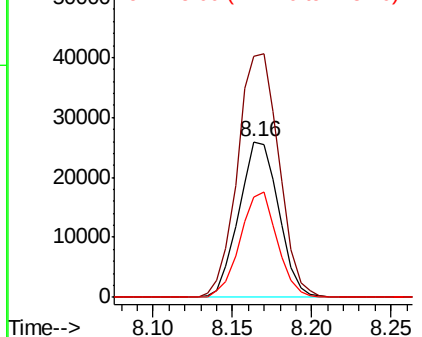
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039637.D
Acq: 27 Feb 2019 16:38

Instrument :
BNA_G
ClientSampleId :
Z31W

Tgt Ion:152 Resp: 45077
Ion Ratio Lower Upper
152 100
150 155.1 123.7 185.5
115 64.0 45.9 68.9



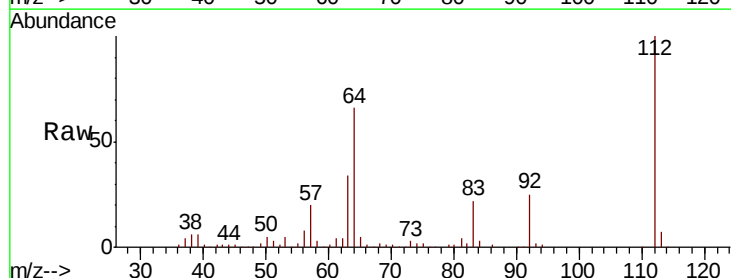
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



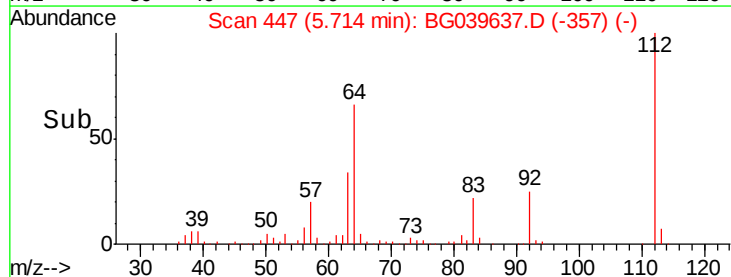
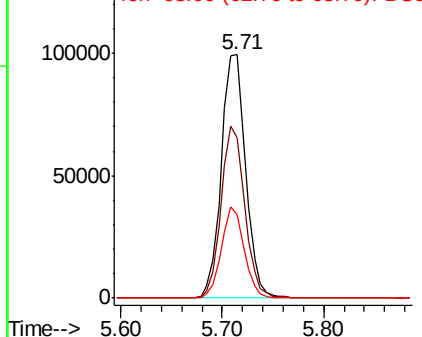
#5

2-Fluorophenol
Concen: 63.154 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039637.D
Acq: 27 Feb 2019 16:38

Tgt Ion:112 Resp: 166333
Ion Ratio Lower Upper
112 100
64 65.8 57.8 86.8
63 34.1 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: 36.523 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039637.D

Acq: 27 Feb 2019 16:38

Instrument :

BNA_G

ClientSampled :

Z31W

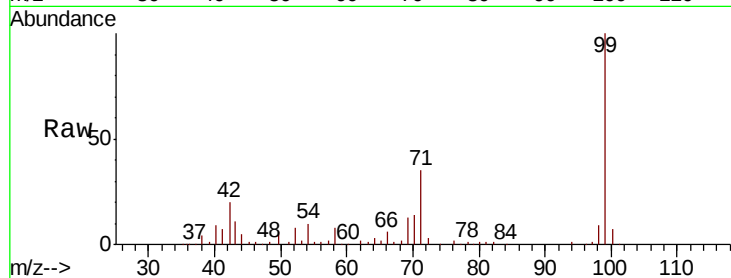
Tgt Ion: 99 Resp: 141592

Ion Ratio Lower Upper

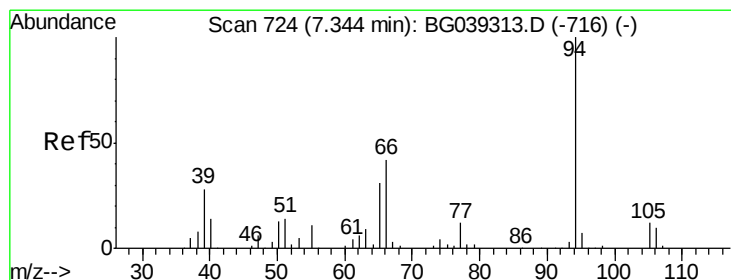
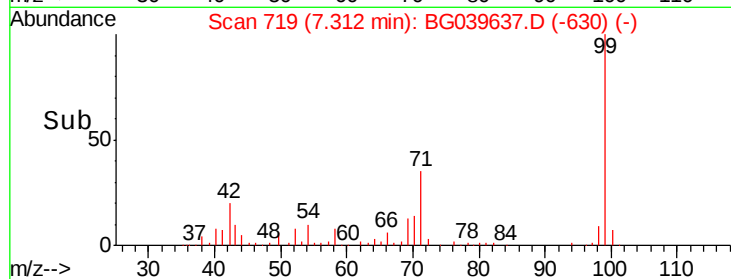
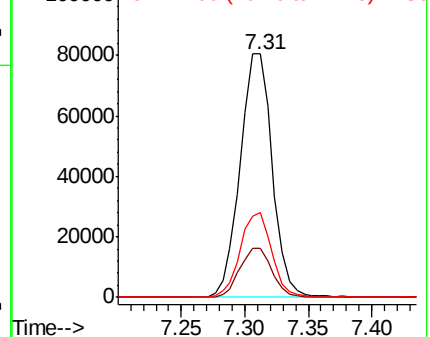
99 100

42 20.4 18.2 27.2

71 34.6 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: 4.449 ng

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BG039637.D

Acq: 27 Feb 2019 16:38

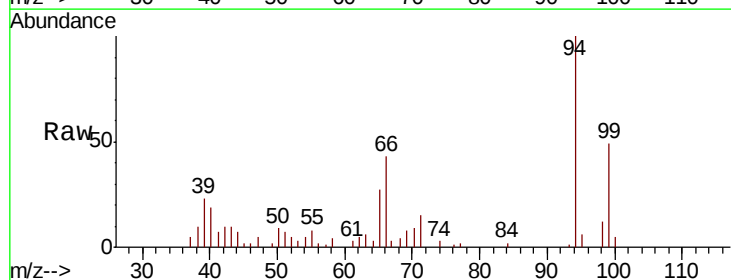
Tgt Ion: 94 Resp: 17978

Ion Ratio Lower Upper

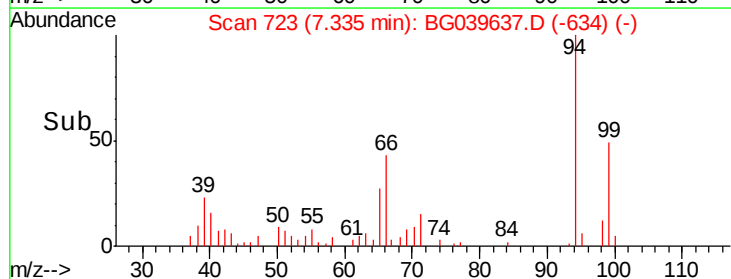
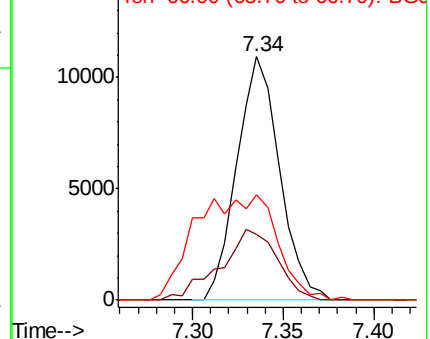
94 100

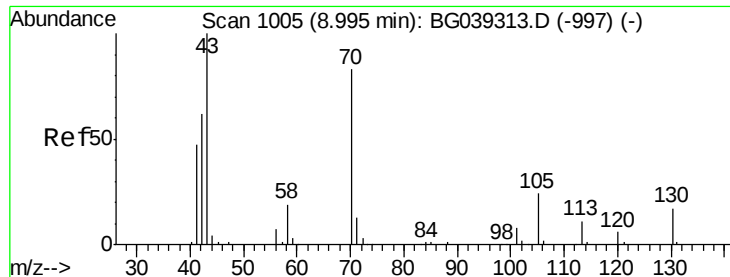
65 27.0 11.7 51.7

66 43.1 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

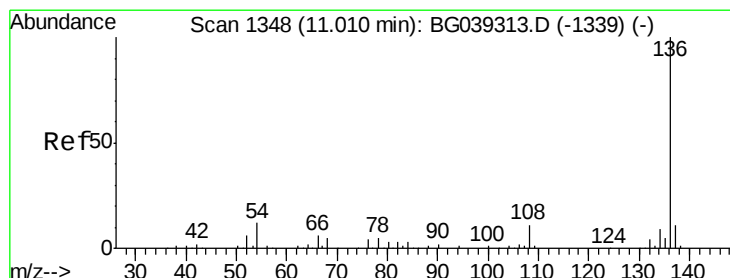
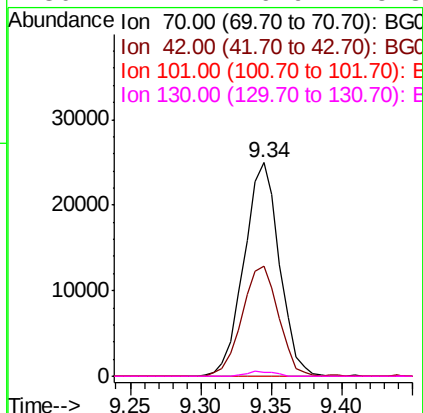
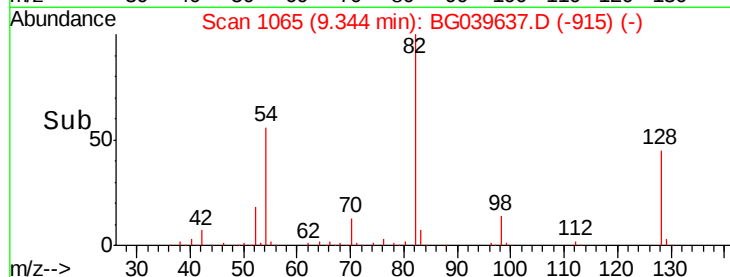
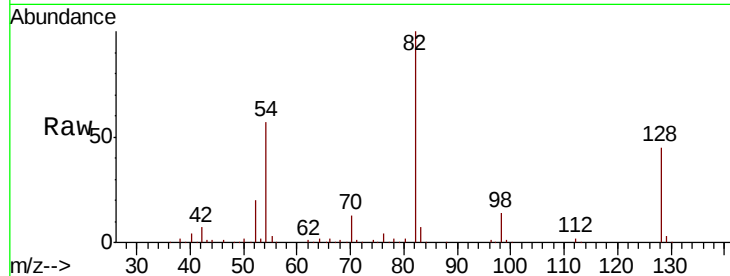




#19
n-Nitroso-di-n-propylamine
Concen: 15.918 ng
RT: 9.34 min Scan# 1065
Delta R.T. 0.35 min
Lab File: BG039637.D
Acq: 27 Feb 2019 16:38

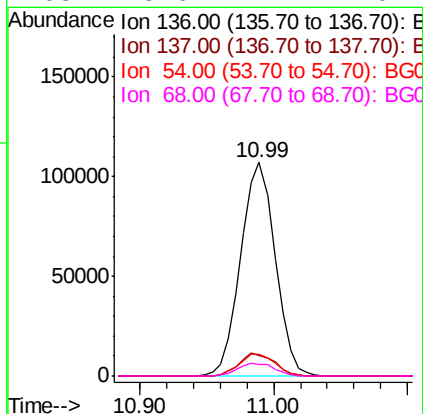
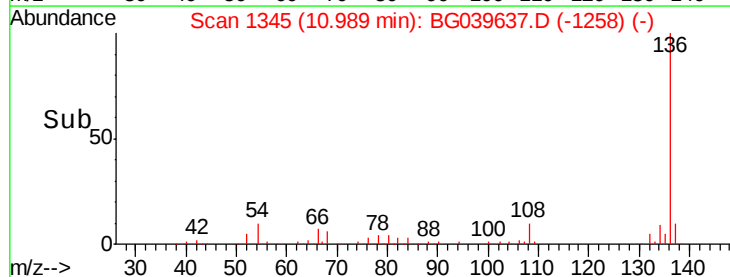
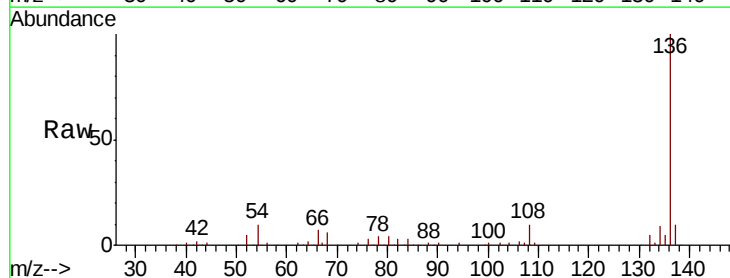
Instrument :
BNA_G
ClientSampleId :
Z31W

Tgt Ion: 70 Resp: 43800
Ion Ratio Lower Upper
70 100
42 51.5 60.4 90.6#
101 0.0 7.5 11.3#
130 1.7 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: BG039637.D
Acq: 27 Feb 2019 16:38

Tgt Ion: 136 Resp: 191653
Ion Ratio Lower Upper
136 100
137 9.8 9.1 13.7
54 9.9 9.4 14.2
68 5.6 4.2 6.4

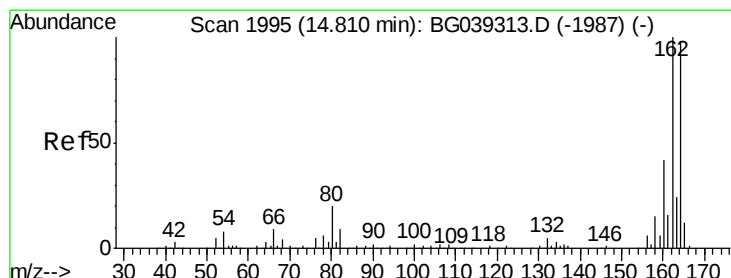
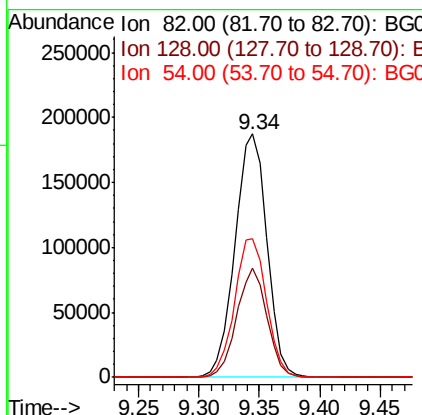
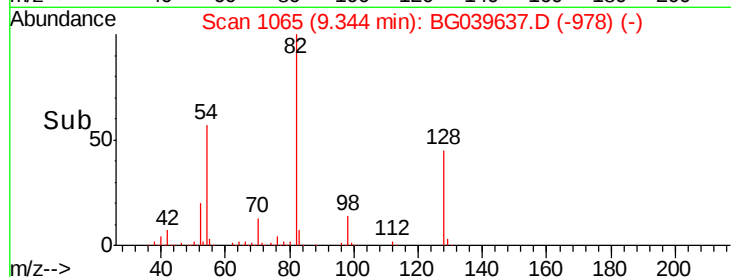
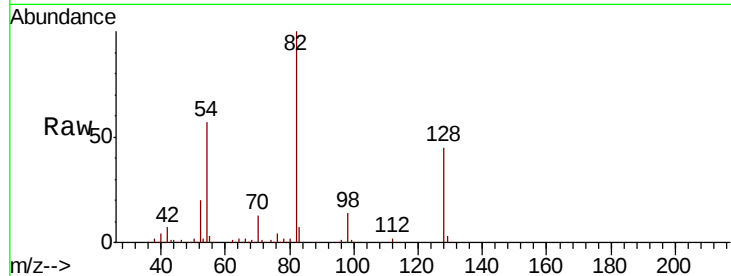




#23
Nitrobenzene-d5
Concen: 112.746 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039637.D
Acq: 27 Feb 2019 16:38

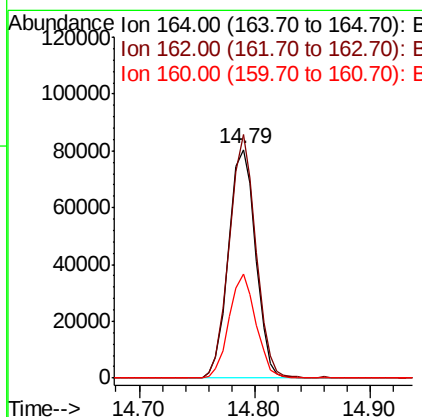
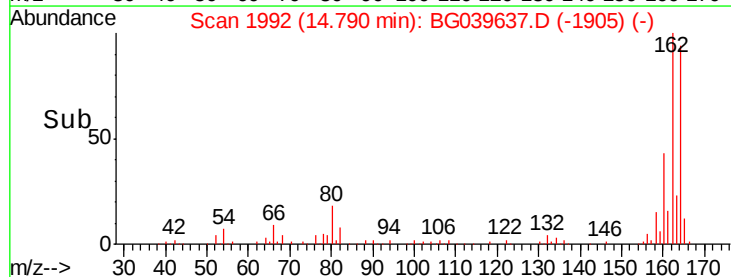
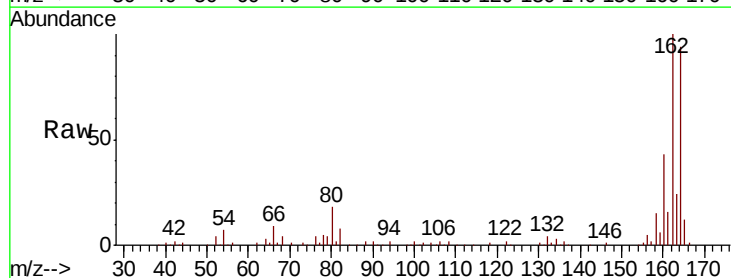
Instrument :
BNA_G
ClientSampled :
Z31W

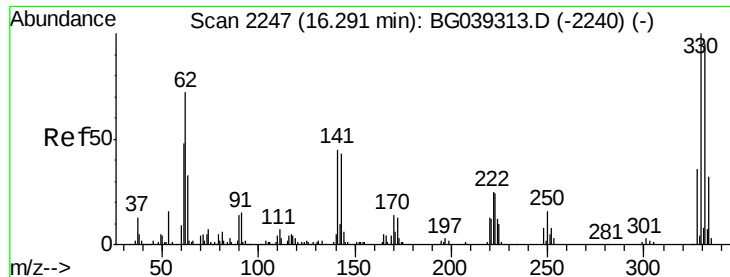
Tgt Ion: 82 Resp: 345887
Ion Ratio Lower Upper
82 100
128 44.8 31.3 46.9
54 56.8 50.9 76.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039637.D
Acq: 27 Feb 2019 16:38

Tgt Ion: 164 Resp: 131756
Ion Ratio Lower Upper
164 100
162 106.7 81.6 122.4
160 45.6 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 160.995 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039637.D

Acq: 27 Feb 2019 16:38

Instrument :

BNA_G

ClientSampleId :

Z31W

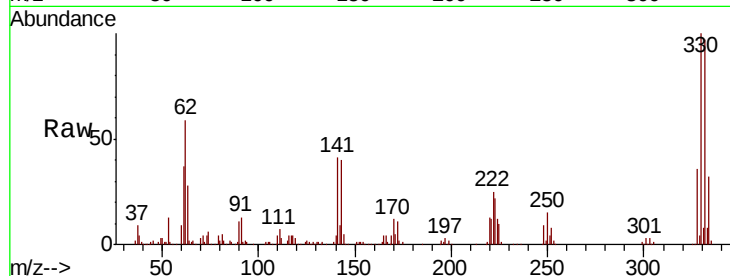
Tgt Ion:330 Resp: 228417

Ion Ratio Lower Upper

330 100

332 94.9 75.7 113.5

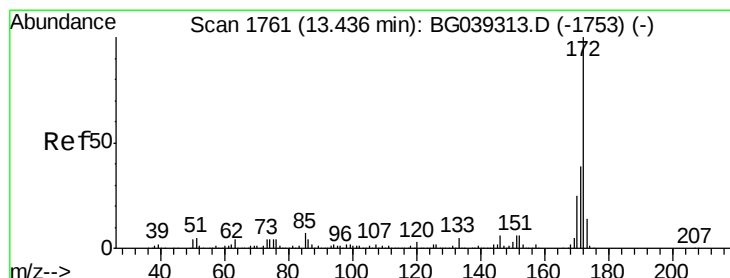
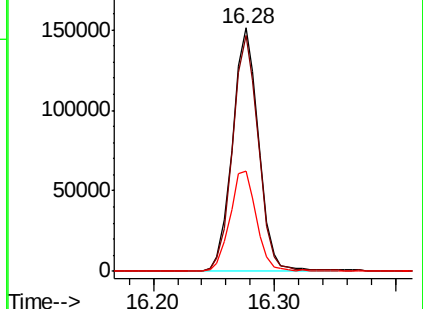
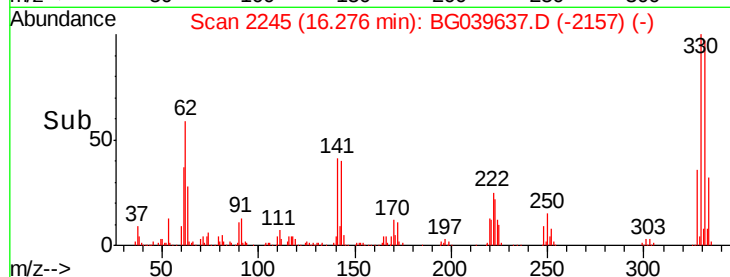
141 42.0 35.6 53.4



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: 90.606 ng

RT: 13.42 min Scan# 1758

Delta R.T. -0.02 min

Lab File: BG039637.D

Acq: 27 Feb 2019 16:38

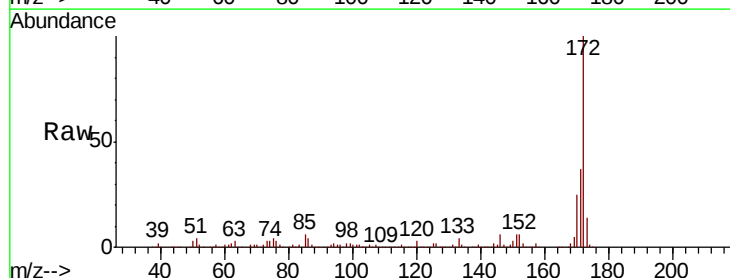
Tgt Ion:172 Resp: 832173

Ion Ratio Lower Upper

172 100

171 37.3 30.8 46.2

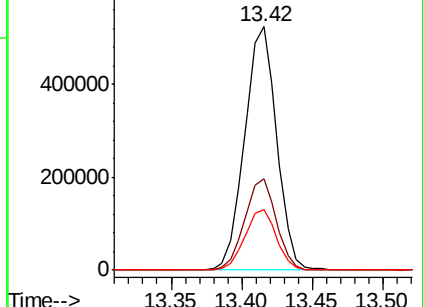
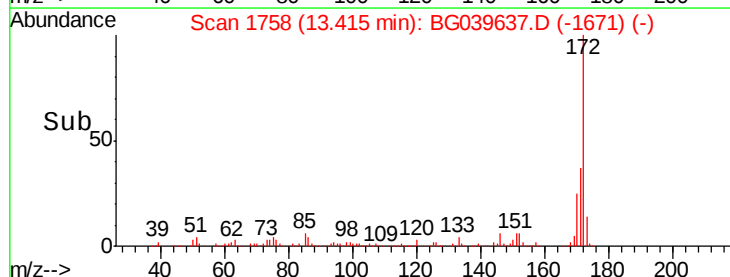
170 25.0 20.2 30.4

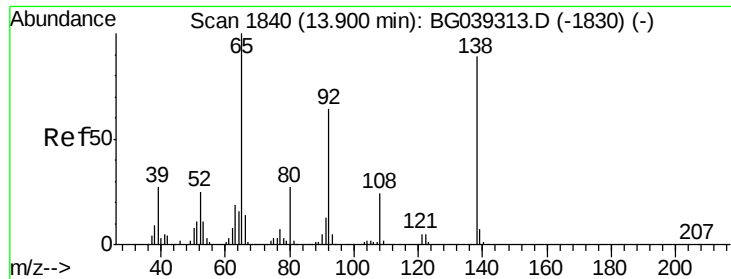


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 8.597 ng

RT: 14.24 min Scan# 1898

Delta R.T. 0.34 min

Lab File: BG039637.D

Acq: 27 Feb 2019 16:38

Instrument :

BNA_G

ClientSampleId :

Z31W

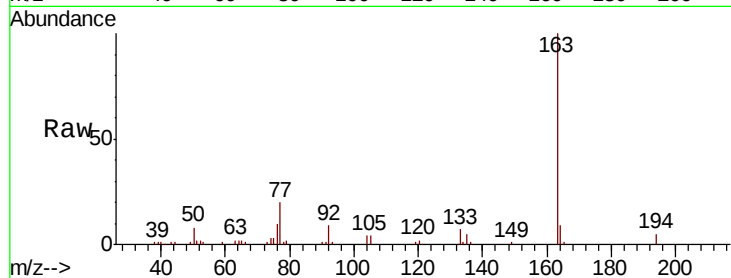
Tgt Ion: 65 Resp: 861

Ion Ratio Lower Upper

65 100

92 563.5 51.4 77.2#

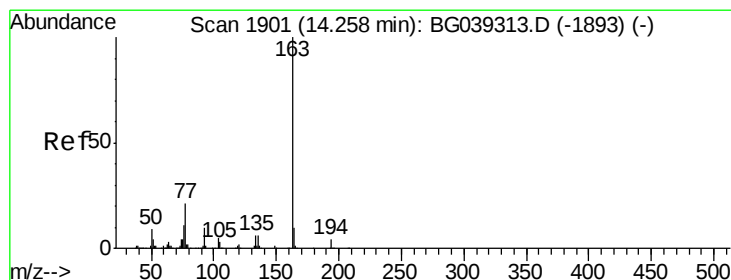
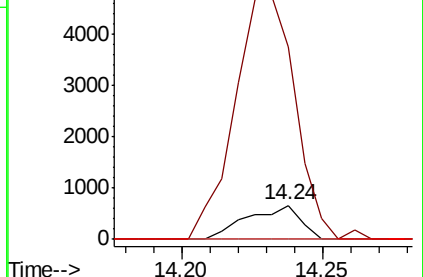
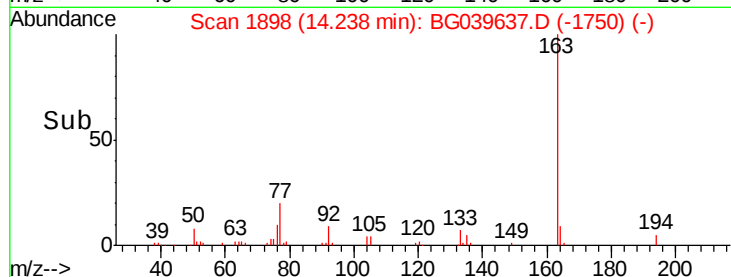
138 0.0 71.4 107.2#



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: 7.835 ng

RT: 14.23 min Scan# 1897

Delta R.T. -0.03 min

Lab File: BG039637.D

Acq: 27 Feb 2019 16:38

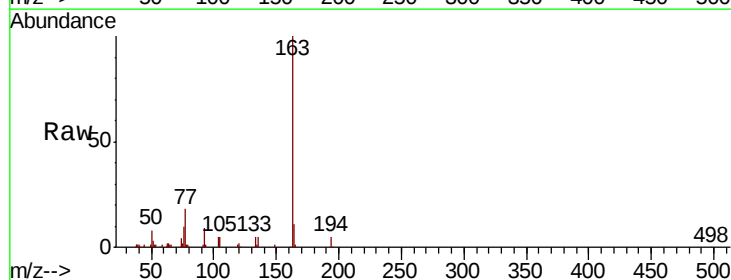
Tgt Ion: 163 Resp: 83371

Ion Ratio Lower Upper

163 100

194 4.6 3.6 5.4

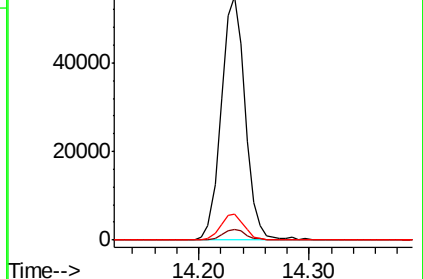
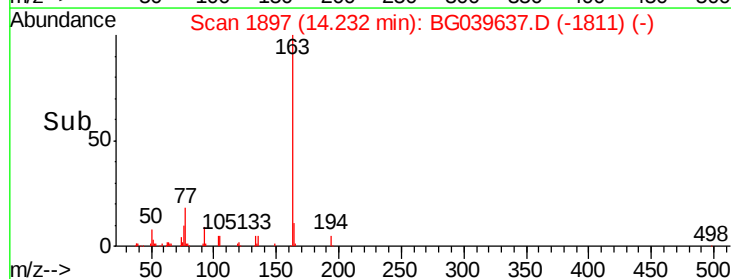
164 10.8 8.4 12.6

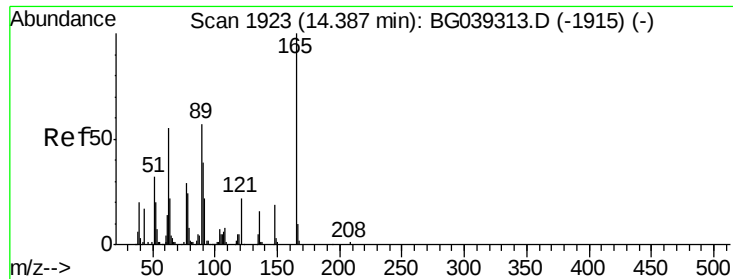


Abundance Ion 163.00 (162.70 to 163.70): BG039313.D (-1893) (-)

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: 6.922 ng

RT: 14.23 min Scan# 1897

Delta R.T. -0.16 min

Lab File: BG039637.D

Acq: 27 Feb 2019 16:38

Instrument :

BNA_G

ClientSampleId :

Z31W

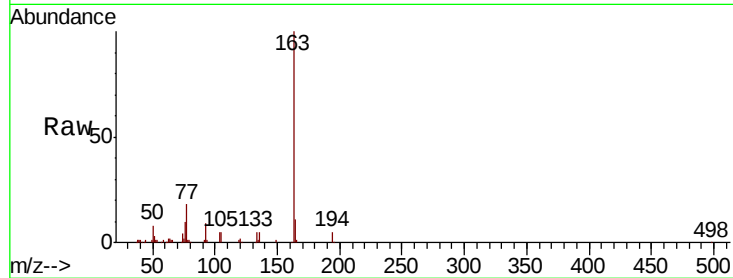
Tgt Ion:165 Resp: 837

Ion Ratio Lower Upper

165 100

63 191.4 47.0 70.6#

89 0.0 45.8 68.8#



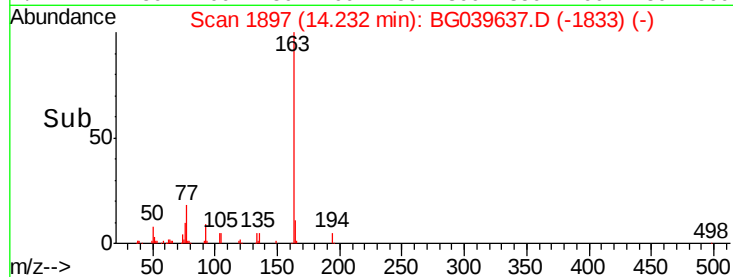
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

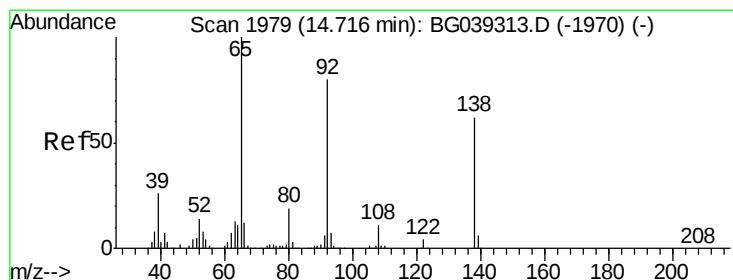
Ion 89.00 (88.70 to 89.70): BG

14.23

14.25



Time-->



#53

3-Nitroaniline

Concen: 5.817 ng

RT: 14.30 min Scan# 1908

Delta R.T. -0.42 min

Lab File: BG039637.D

Acq: 27 Feb 2019 16:38

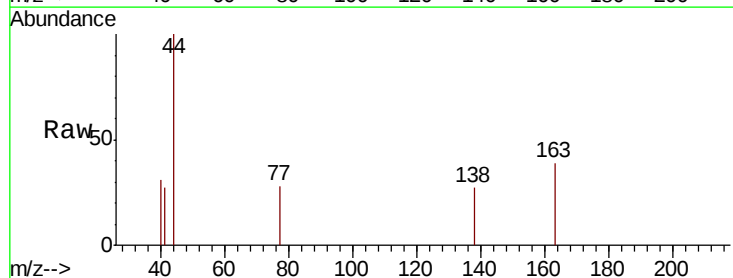
Tgt Ion:138 Resp: 60

Ion Ratio Lower Upper

138 100

108 0.0 13.8 20.8#

92 0.0 103.7 155.5#



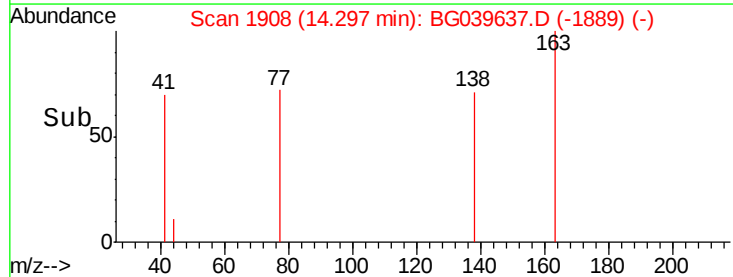
Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

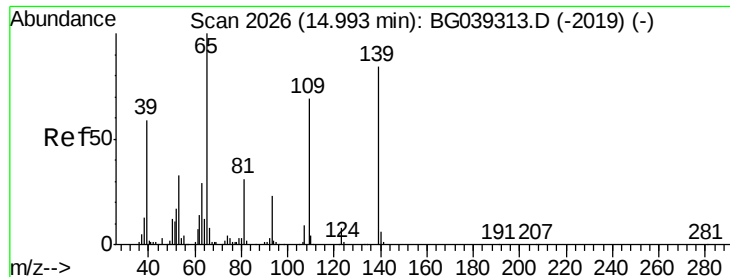
Ion 92.00 (91.70 to 92.70): BG

14.30

14.30



Time-->



#56

4-Nitrophenol

Concen: 5.822 ng

RT: 14.93 min Scan# 2016

Delta R.T. -0.06 min

Lab File: BG039637.D

Acq: 27 Feb 2019 16:38

Instrument :

BNA_G

ClientSampleId :

Z31W

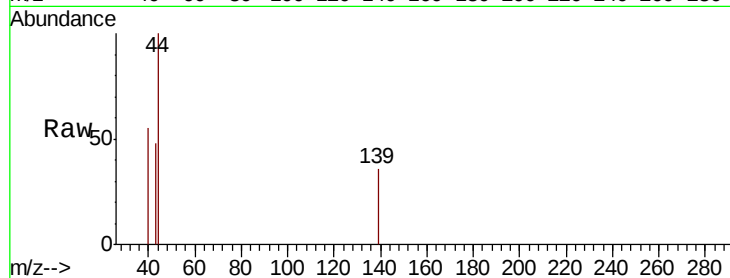
Tgt Ion:139 Resp: 58

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

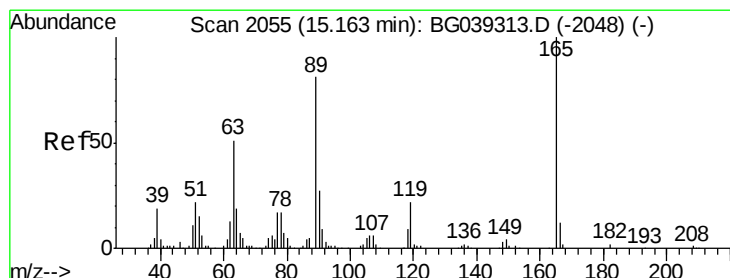
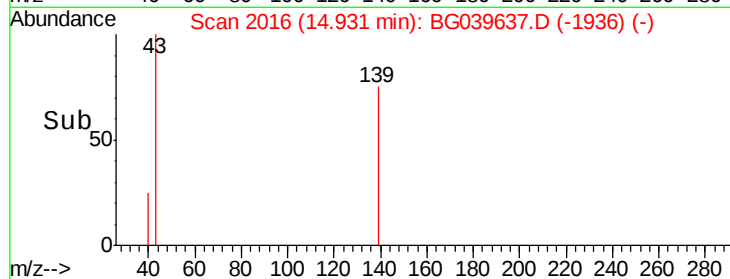
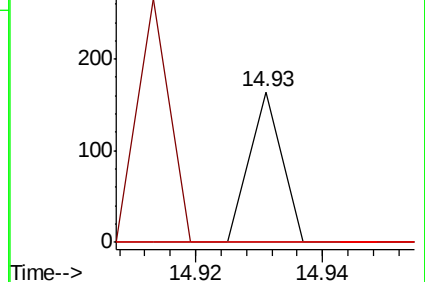
65 0.0 99.1 139.1#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#57

2,4-Dinitrotoluene

Concen: 13.231 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039637.D

Acq: 27 Feb 2019 16:38

Tgt Ion:165 Resp: 16453

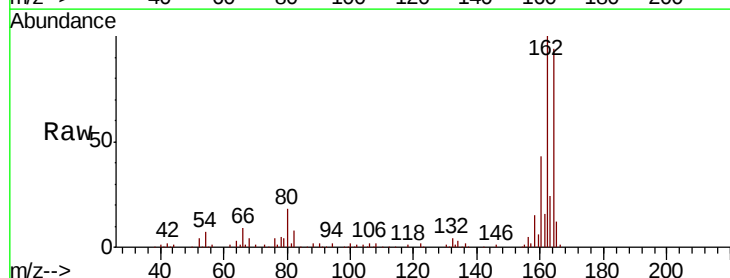
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#

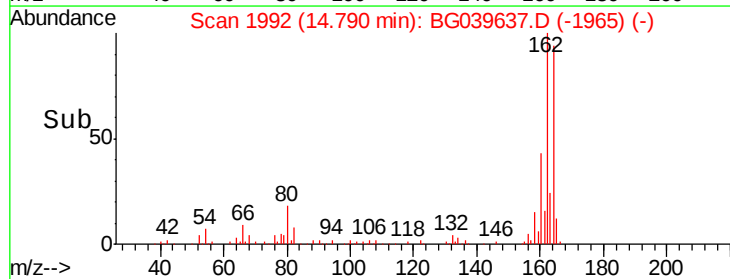
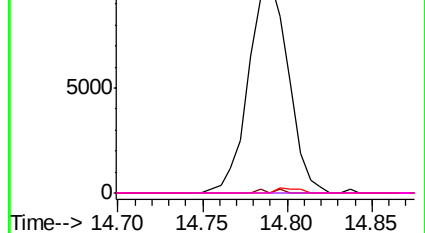


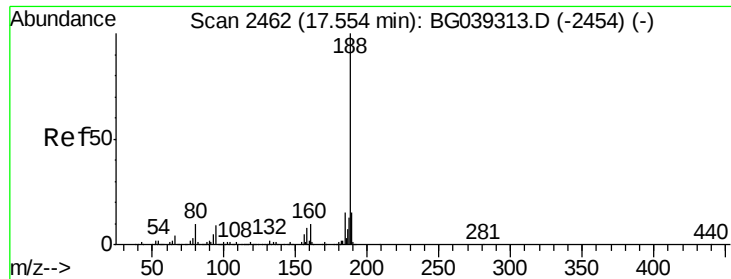
Abundance Ion 165.00 (164.70 to 165.70): E

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# 2459

Delta R.T. -0.02 min

Lab File: BG039637.D

Acq: 27 Feb 2019 16:38

Instrument :

BNA_G

ClientSampleId :

Z31W

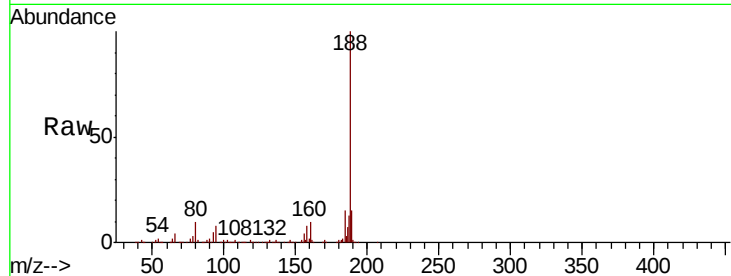
Tgt Ion:188 Resp: 336947

Ion Ratio Lower Upper

188 100

94 7.9 6.9 10.3

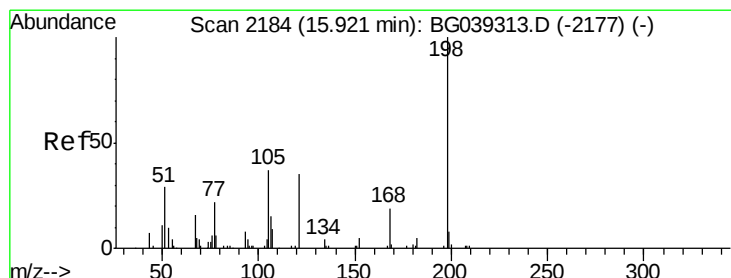
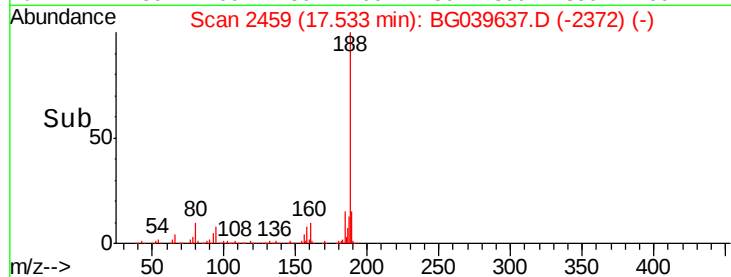
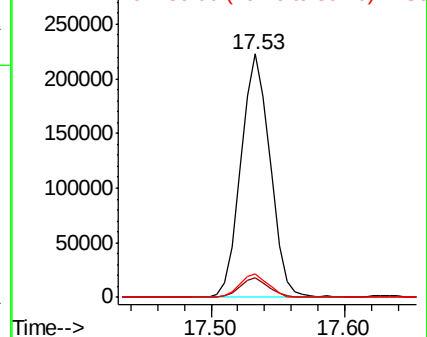
80 9.6 8.1 12.1



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: 4.889 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.35 min

Lab File: BG039637.D

Acq: 27 Feb 2019 16:38

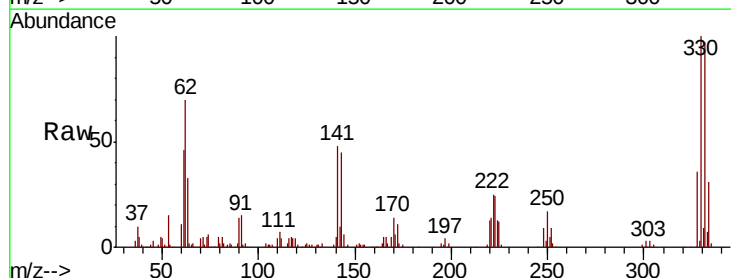
Tgt Ion:198 Resp: 750

Ion Ratio Lower Upper

198 100

51 119.7 27.4 67.4#

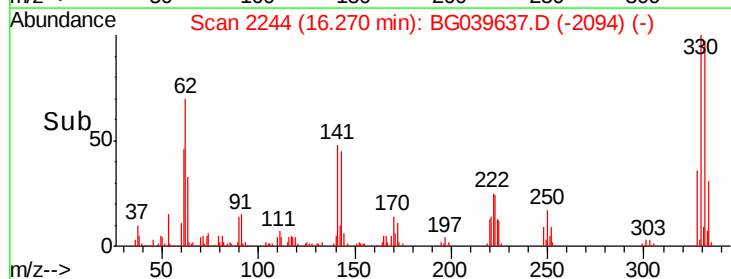
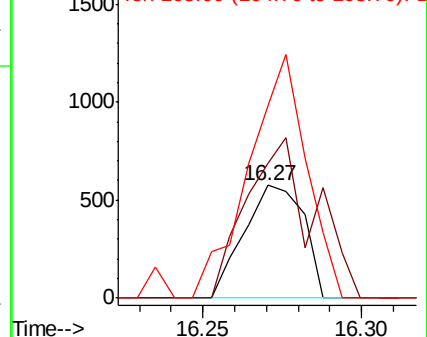
105 171.1 19.7 59.7#

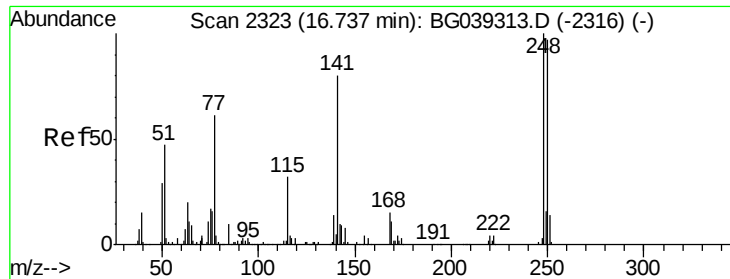


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

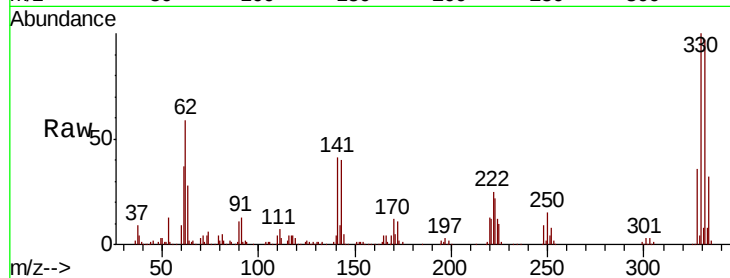




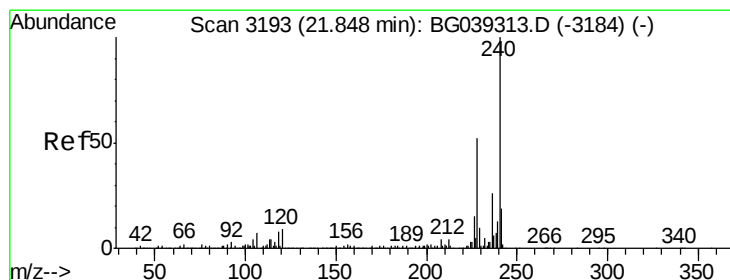
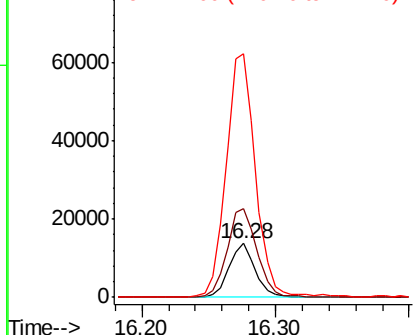
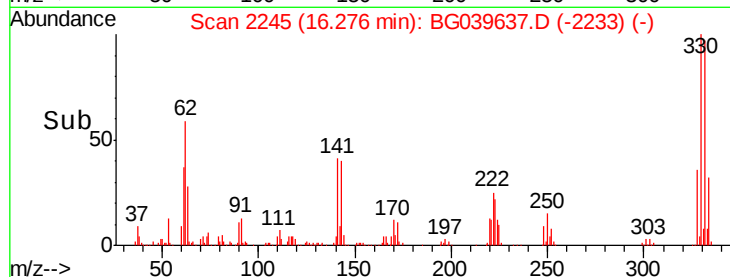
#67
 4-Bromophenyl-phenylether
 Concen: 5.088 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039637.D
 Acq: 27 Feb 2019 16:38

Instrument :
 BNA_G
 ClientSampleId :
 Z31W

Tgt Ion:248 Resp: 19021
 Ion Ratio Lower Upper
 248 100
 250 165.1 77.6 116.4#
 141 452.7 63.9 95.9#

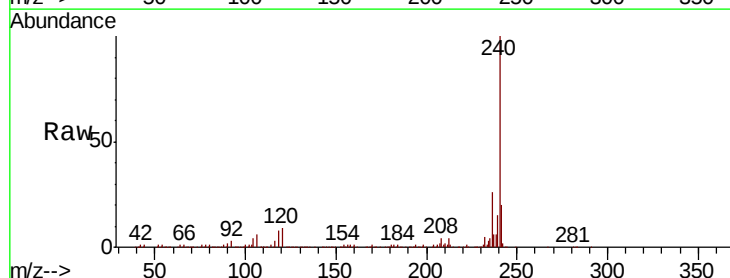


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

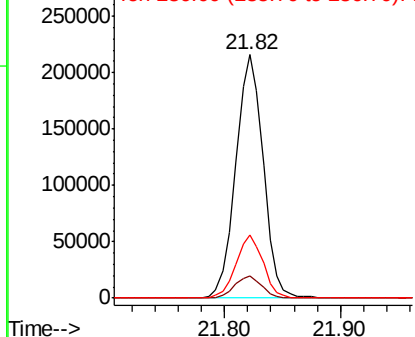
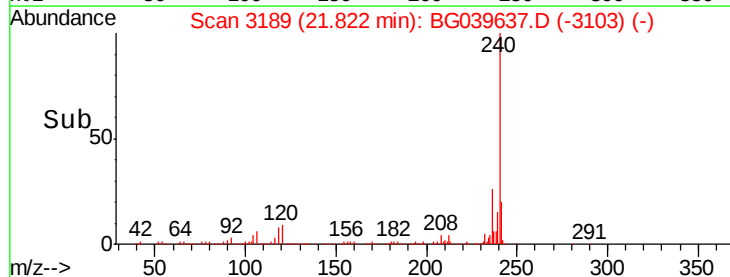


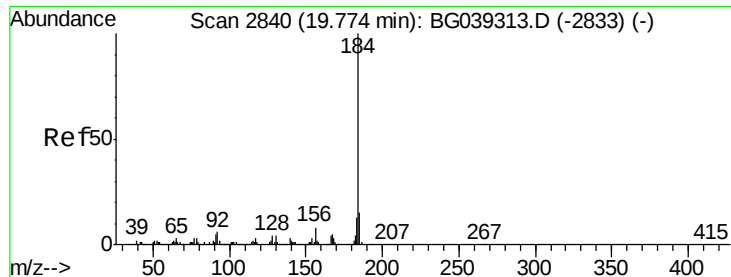
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.03 min
 Lab File: BG039637.D
 Acq: 27 Feb 2019 16:38

Tgt Ion:240 Resp: 354304
 Ion Ratio Lower Upper
 240 100
 120 8.9 7.0 10.6
 236 26.0 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: 2.119 ng

RT: 20.12 min Scan# 2900

Delta R.T. 0.35 min

Lab File: BG039637.D

Acq: 27 Feb 2019 16:38

Instrument :

BNA_G

ClientSampleId :

Z31W

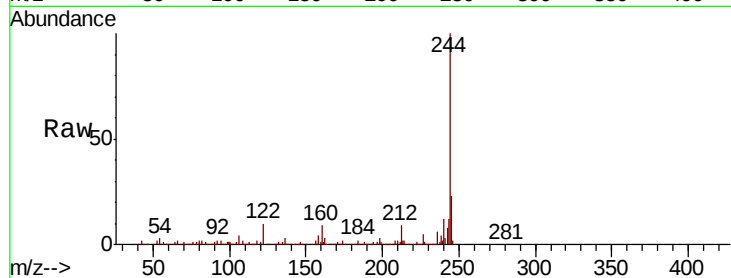
Tgt Ion:184 Resp: 24614

Ion Ratio Lower Upper

184 100

185 20.7 12.2 18.2#

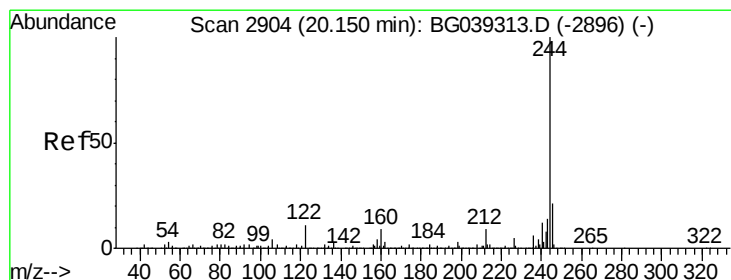
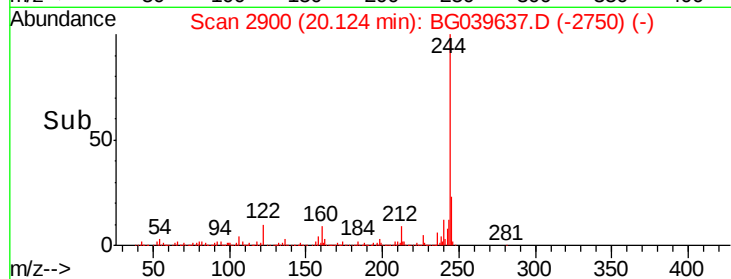
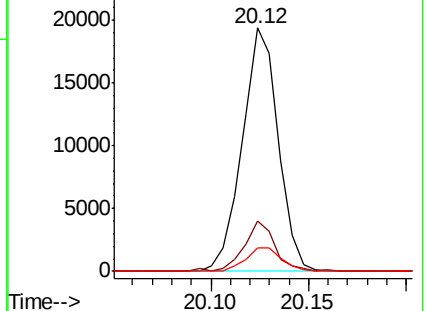
183 9.5 10.6 15.8#



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: 83.764 ng

RT: 20.12 min Scan# 2900

Delta R.T. -0.03 min

Lab File: BG039637.D

Acq: 27 Feb 2019 16:38

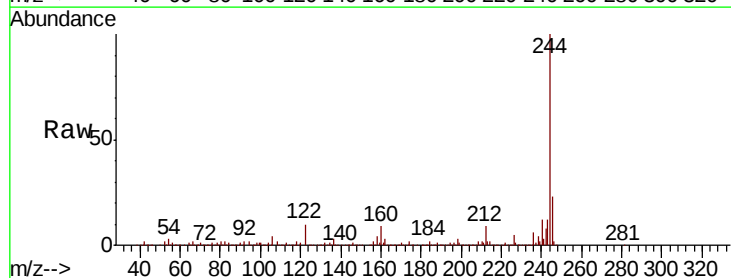
Tgt Ion:244 Resp: 1402091

Ion Ratio Lower Upper

244 100

212 9.1 7.3 10.9

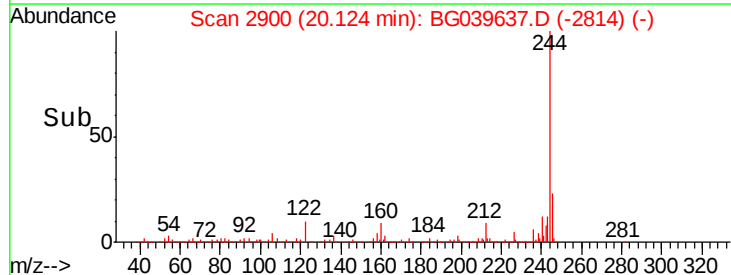
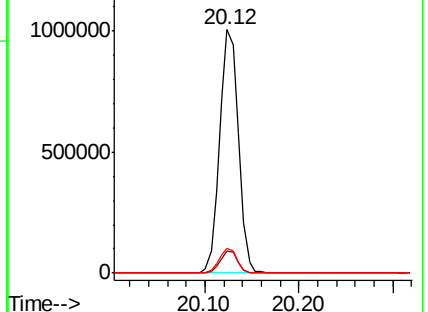
122 10.0 8.4 12.6

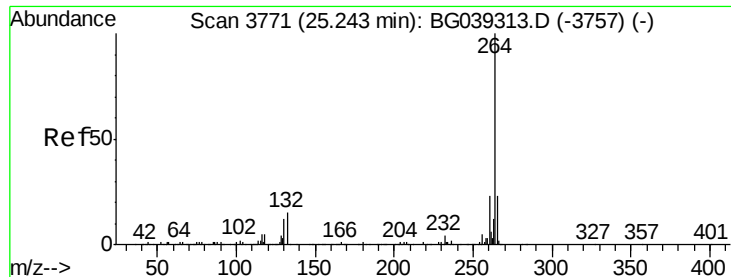


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3764
Delta R.T. -0.04 min
Lab File: BG039637.D
Acq: 27 Feb 2019 16:38

Instrument :
BNA_G
ClientSampleId :
Z31W

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.2	27.4
265	22.2	18.5	27.7

