

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021219\
 Data File : BG039469.D
 Acq On : 12 Feb 2019 18:32
 Operator : JU/SJ
 Sample : K1462-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1-D

Quant Time: Feb 13 00:34:52 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	48013	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	218163	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	158312	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	393925	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	403469	20.00	ng	-0.02
87) Perylene-d12	25.21	264	406142	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	445767	158.90	ng	0.00
7) Phenol-d6	7.31	99	654004	158.38	ng	0.00
23) Nitrobenzene-d5	9.35	82	380525	108.96	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	273590	160.49	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	908516	82.33	ng	-0.02
79) Terphenyl-d14	20.13	244	1417714	74.38	ng	-0.02

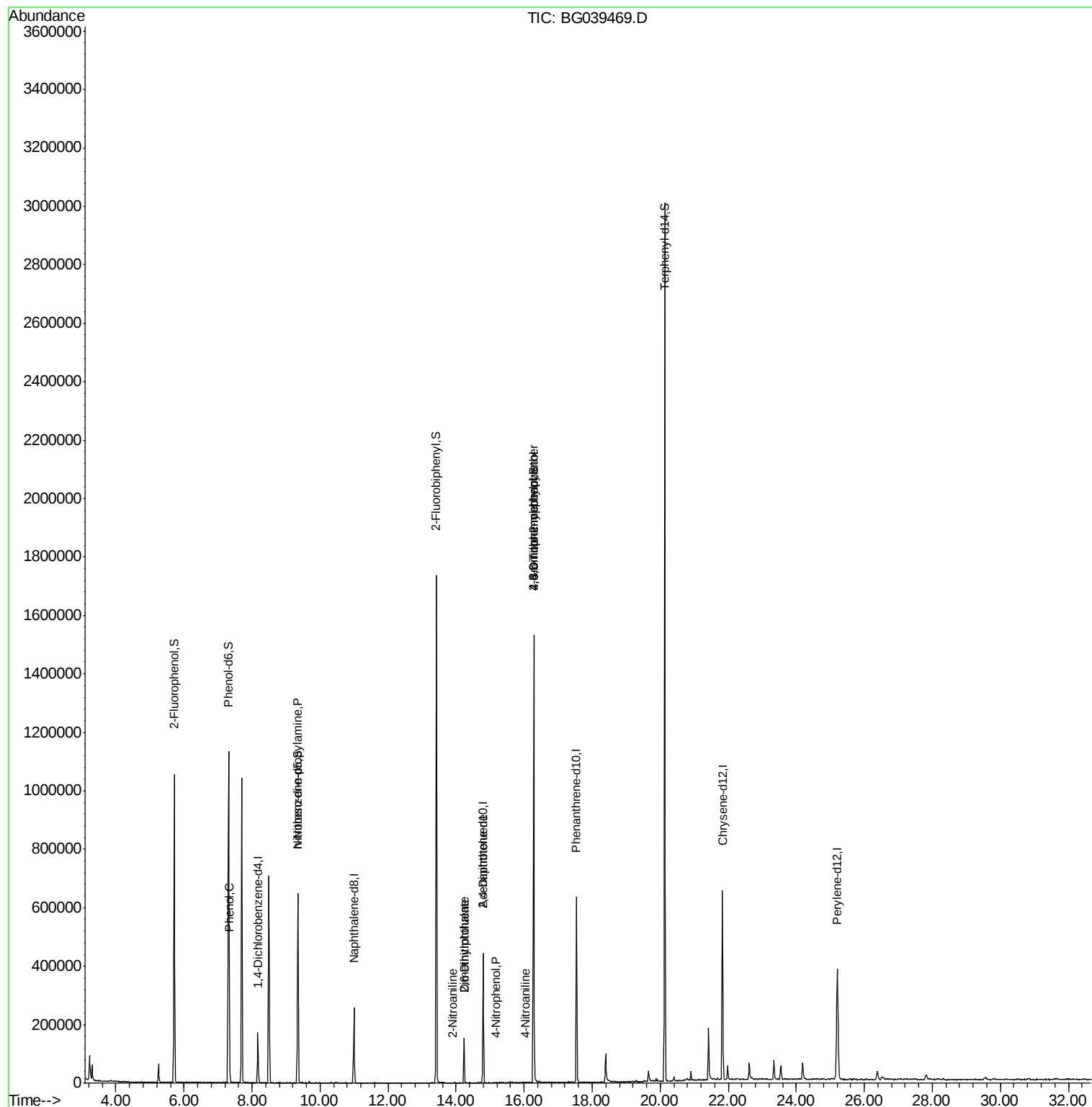
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1679	Below Cal		# 4
10) Phenol	7.33	94	51361	11.932	ng	96
19) n-Nitroso-di-n-propylamine	9.35	70	49097	16.752	ng	# 70
48) 2-Nitroaniline	13.91	65	55	8.312	ng	# 10
50) Dimethylphthalate	14.24	163	107893	8.438	ng	98
51) 2,6-Dinitrotoluene	14.24	165	1155	6.976	ng	# 31
56) 4-Nitrophenol	15.18	139	66	5.820	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	20132	13.330	ng	# 19
62) 4-Nitroaniline	16.05	138	67	4.225	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.28	198	1046	5.026	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	21242	4.861	ng	# 1

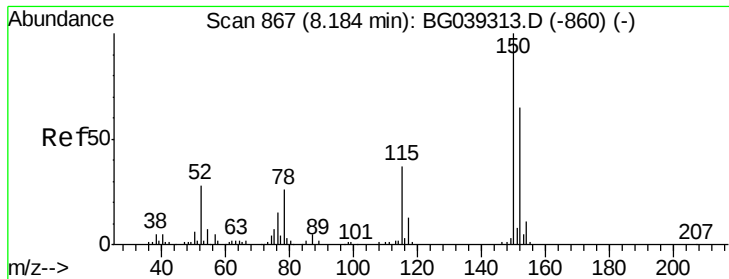
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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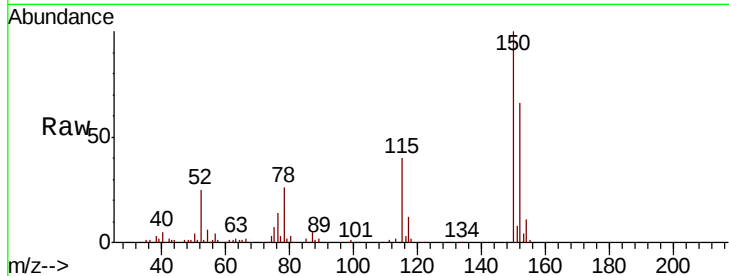


#1

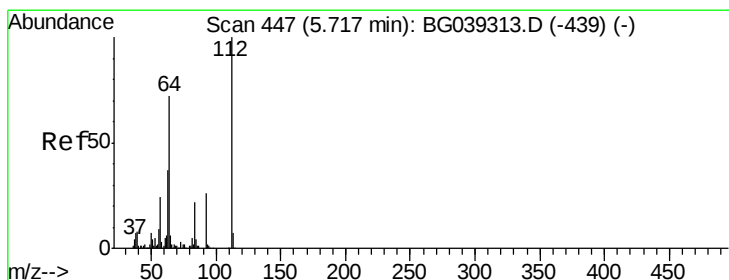
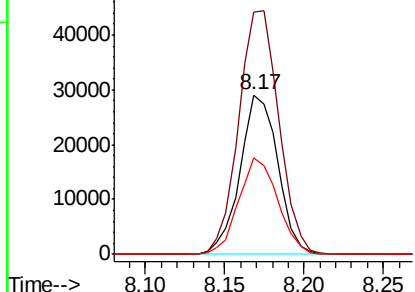
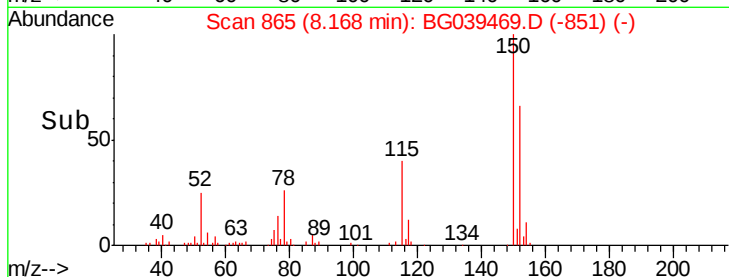
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.02 min
Lab File: BG039469.D
Acq: 12 Feb 2019 18:32

Instrument :
BNA_G
ClientSampleId :
TP-1-D

Tgt Ion:152 Resp: 48013
Ion Ratio Lower Upper
152 100
150 152.1 123.7 185.5
115 60.8 45.9 68.9



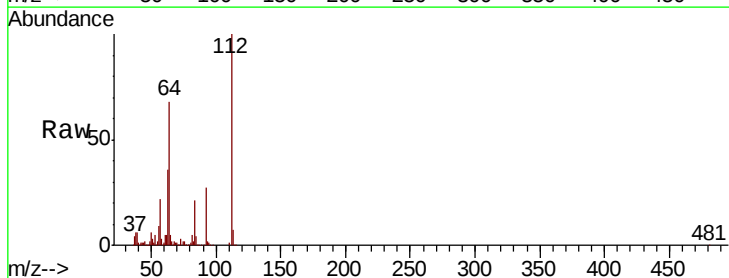
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



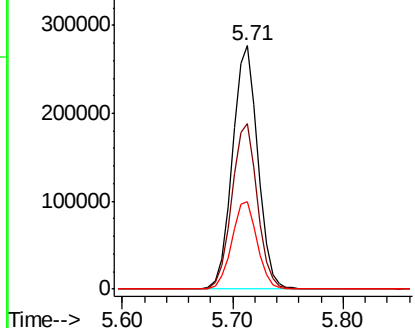
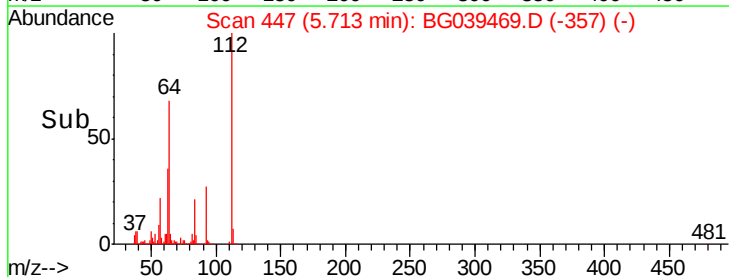
#5

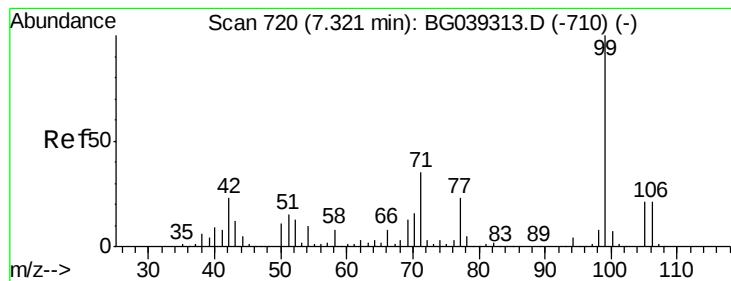
2-Fluorophenol
Concen: 158.902 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039469.D
Acq: 12 Feb 2019 18:32

Tgt Ion:112 Resp: 445767
Ion Ratio Lower Upper
112 100
64 67.9 57.8 86.8
63 36.1 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 158.380 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039469.D

Acq: 12 Feb 2019 18:32

Instrument :

BNA_G

ClientSampled :

TP-1-D

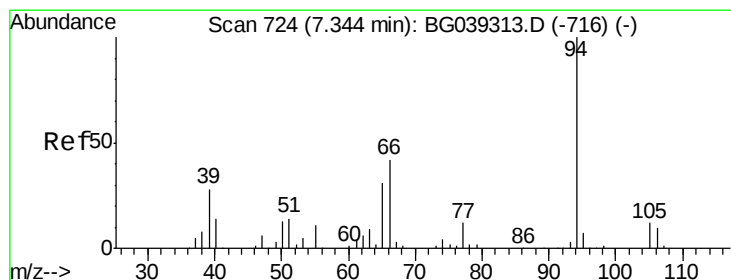
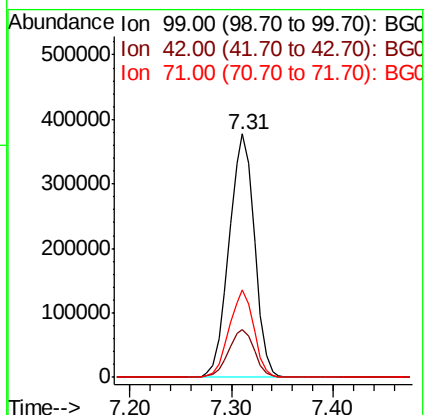
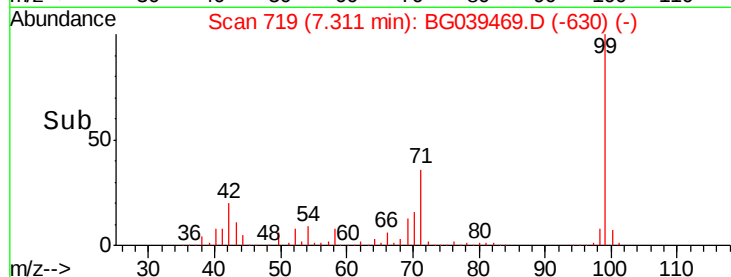
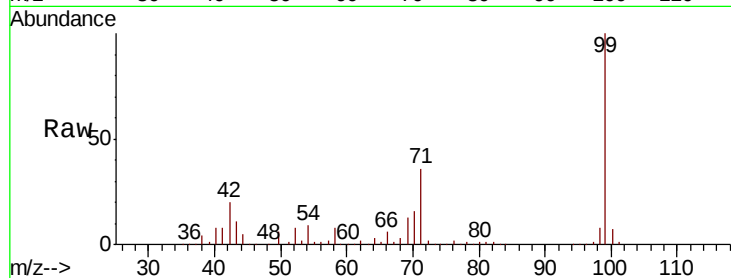
Tgt Ion: 99 Resp: 654004

Ion Ratio Lower Upper

99 100

42 19.9 18.2 27.2

71 35.7 28.0 42.0



#10

Phenol

Concen: 11.932 ng

RT: 7.33 min Scan# 723

Delta R.T. -0.01 min

Lab File: BG039469.D

Acq: 12 Feb 2019 18:32

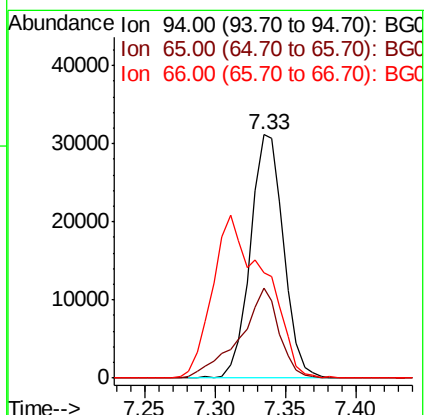
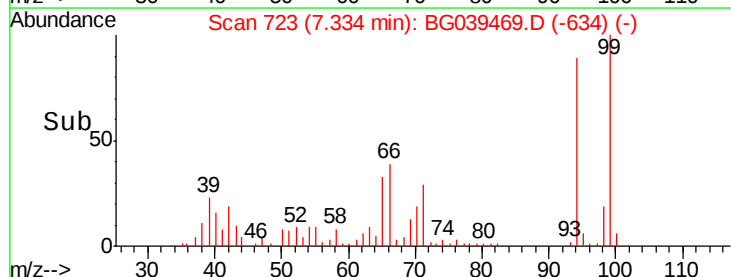
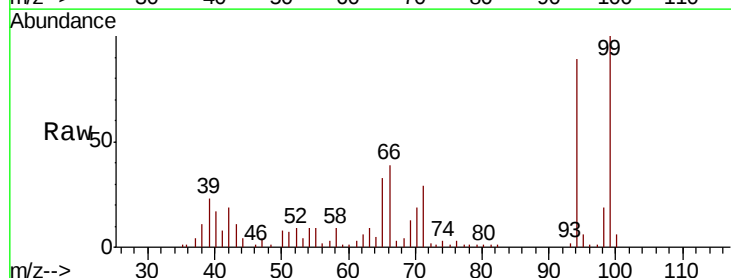
Tgt Ion: 94 Resp: 51361

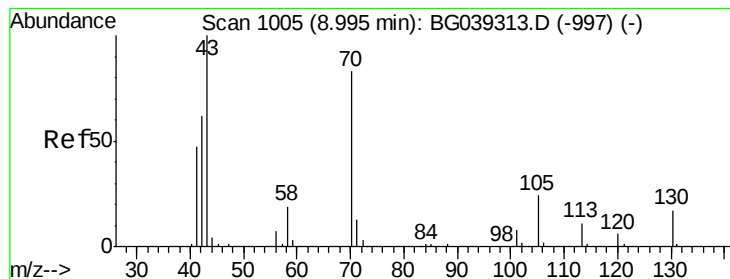
Ion Ratio Lower Upper

94 100

65 37.0 11.7 51.7

66 43.4 23.7 63.7





#19

n-Nitroso-di-n-propylamine

Concen: 16.752 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.35 min

Lab File: BG039469.D

Acq: 12 Feb 2019 18:32

Instrument :

BNA_G

ClientSampleId :

TP-1-D

Tgt Ion: 70 Resp: 49097

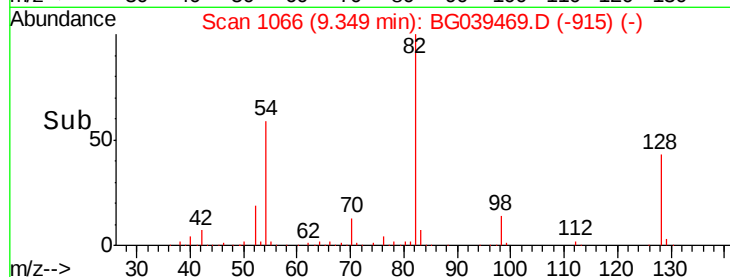
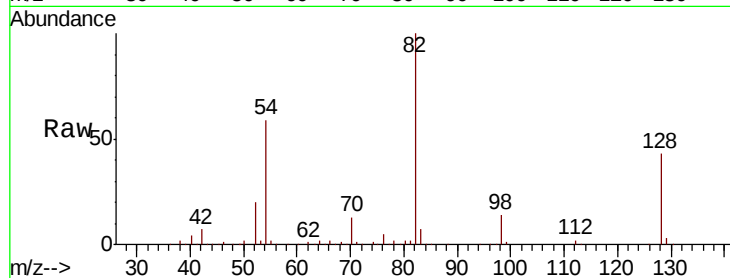
Ion Ratio Lower Upper

70 100

42 52.6 60.4 90.6#

101 0.0 7.5 11.3#

130 1.3 16.9 25.3#

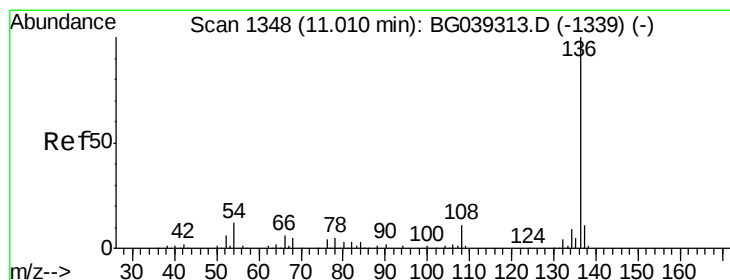
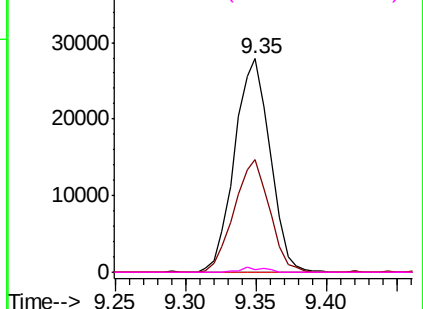


Abundance Ion 70.00 (69.70 to 70.70): BGC

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# 1346

Delta R.T. -0.02 min

Lab File: BG039469.D

Acq: 12 Feb 2019 18:32

Tgt Ion: 136 Resp: 218163

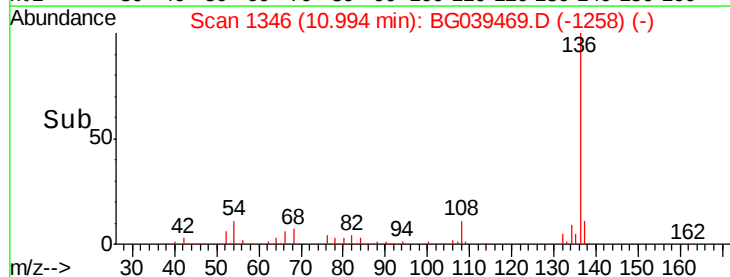
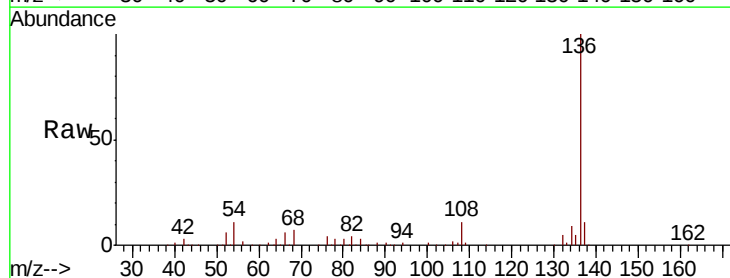
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 10.8 9.4 14.2

68 6.6 4.2 6.4#

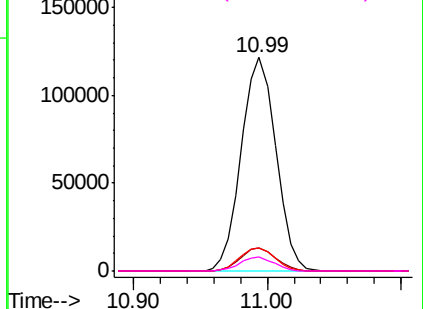


Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

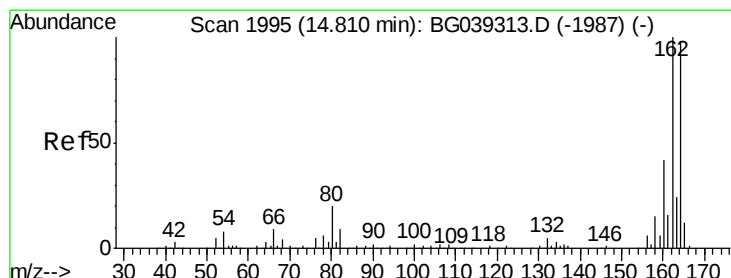
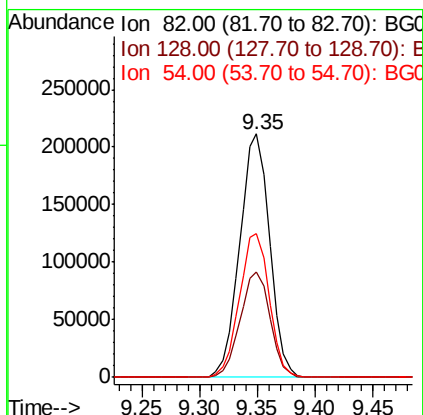
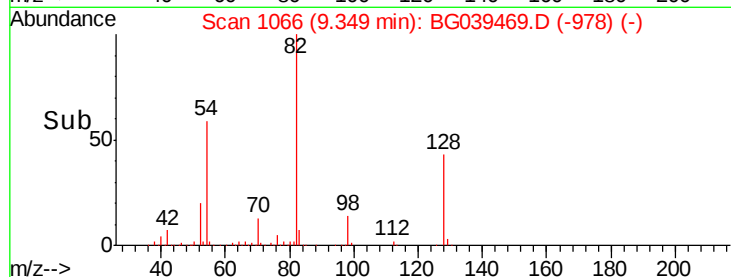
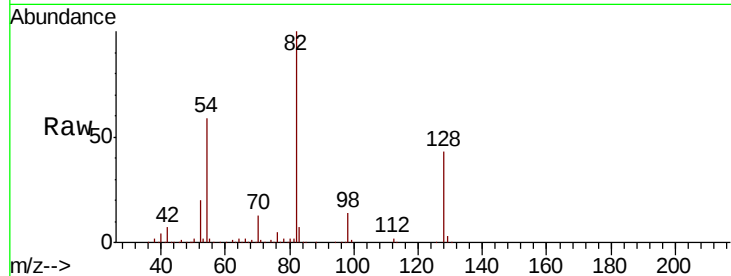




#23
Nitrobenzene-d5
Concen: 108.964 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039469.D
Acq: 12 Feb 2019 18:32

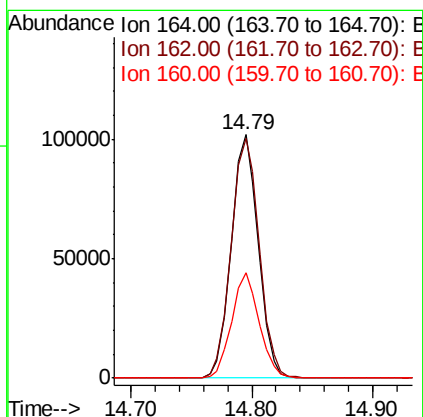
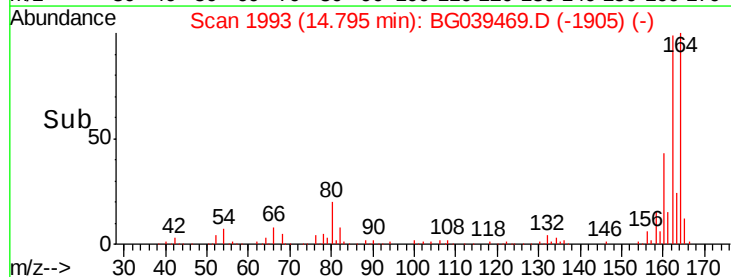
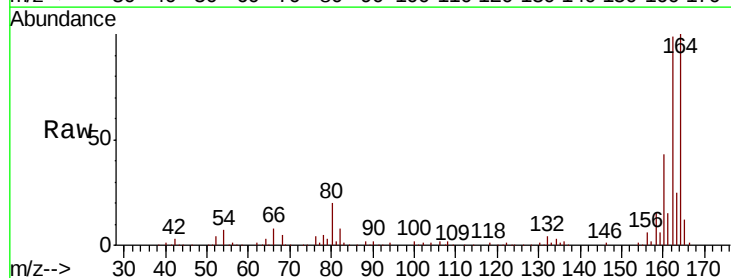
Instrument :
BNA_G
ClientSampleId :
TP-1-D

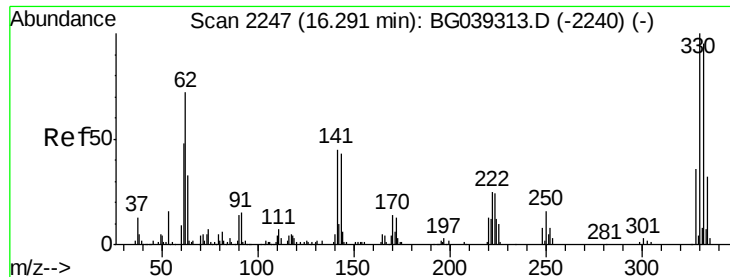
Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.1	31.3	46.9
54	59.1	50.9	76.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1993
Delta R.T. -0.02 min
Lab File: BG039469.D
Acq: 12 Feb 2019 18:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.7	81.6	122.4
160	43.1	34.2	51.2

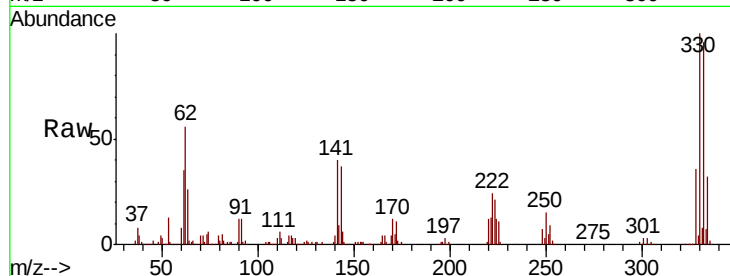




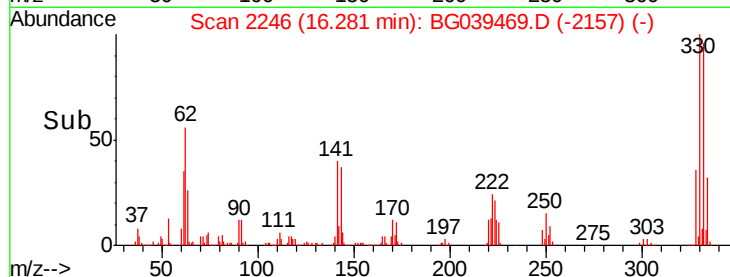
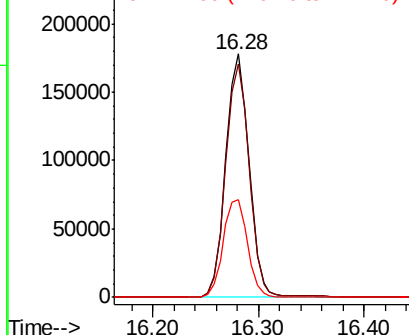
#42
 2,4,6-Tribromophenol
 Concen: 160.487 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BG039469.D
 Acq: 12 Feb 2019 18:32

Instrument :
 BNA_G
 ClientSampled :
 TP-1-D

Tgt Ion:330 Resp: 273590
 Ion Ratio Lower Upper
 330 100
 332 97.2 75.7 113.5
 141 41.4 35.6 53.4

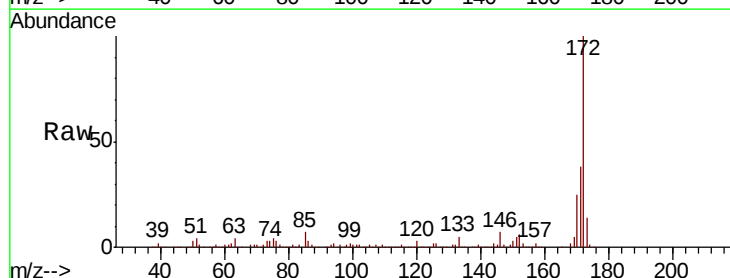


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

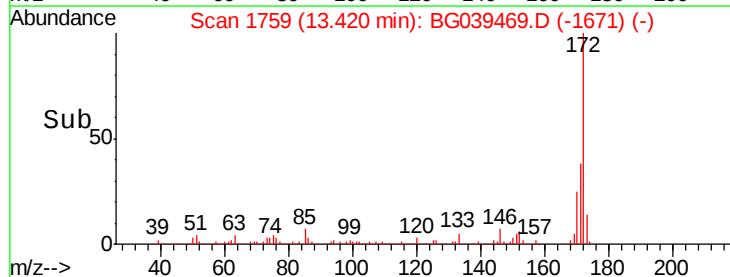
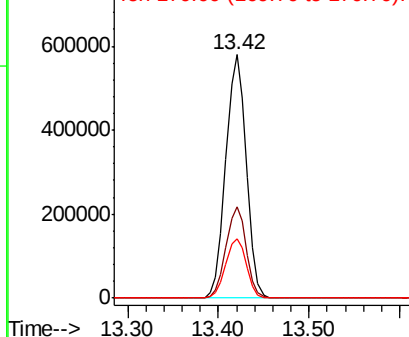


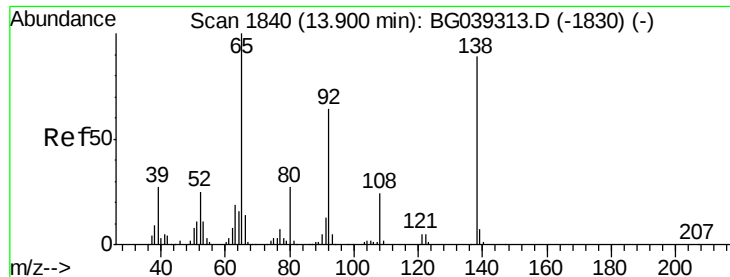
#45
 2-Fluorobiphenyl
 Concen: 82.326 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.02 min
 Lab File: BG039469.D
 Acq: 12 Feb 2019 18:32

Tgt Ion:172 Resp: 908516
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.8 46.2
 170 24.6 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: 8.312 ng

RT: 13.91 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BG039469.D

Acq: 12 Feb 2019 18:32

Instrument :

BNA_G

ClientSampleId :

TP-1-D

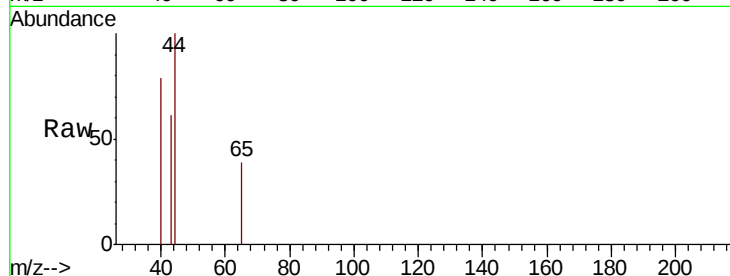
Tgt Ion: 65 Resp: 55

Ion Ratio Lower Upper

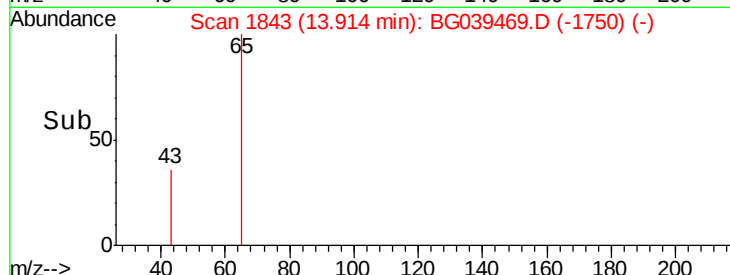
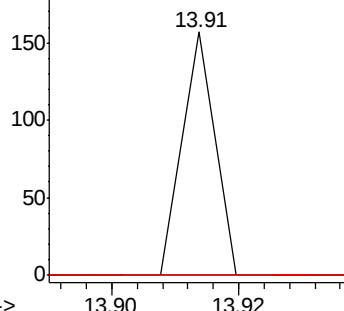
65 100

92 0.0 51.4 77.2#

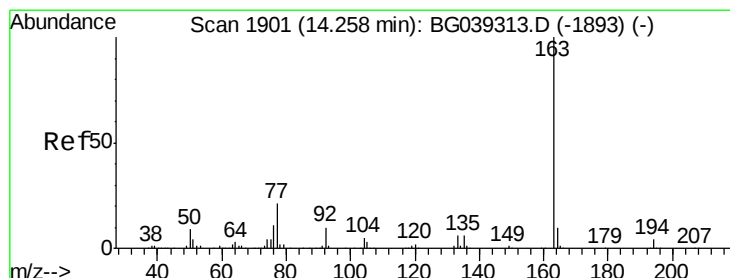
138 0.0 71.4 107.2#



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



Time-->



#50

Dimethylphthalate

Concen: 8.438 ng

RT: 14.24 min Scan# 1898

Delta R.T. -0.02 min

Lab File: BG039469.D

Acq: 12 Feb 2019 18:32

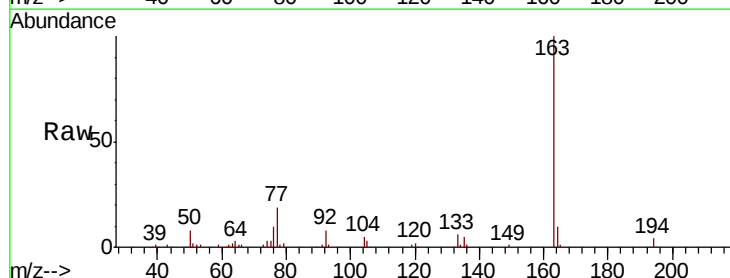
Tgt Ion: 163 Resp: 107893

Ion Ratio Lower Upper

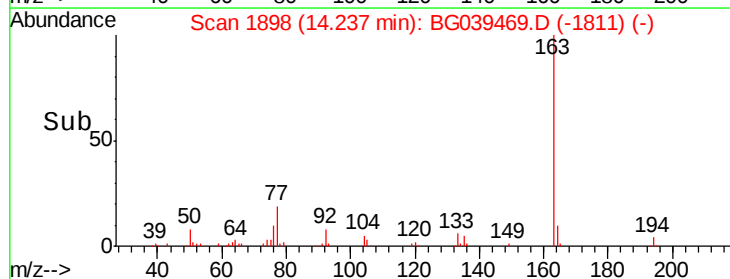
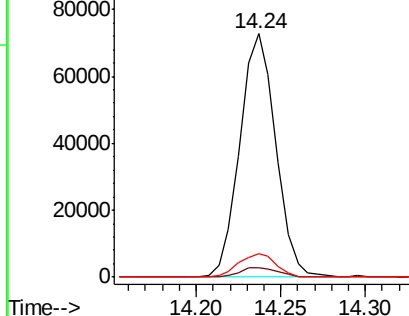
163 100

194 4.0 3.6 5.4

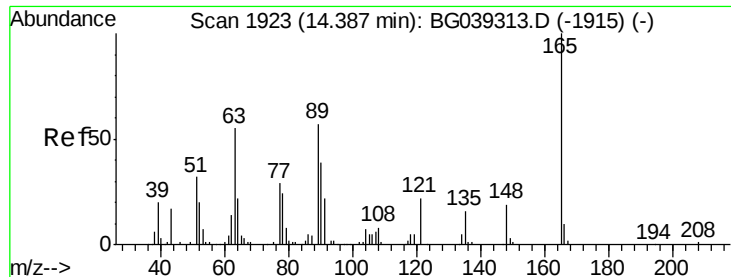
164 9.7 8.4 12.6



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



Time-->



#51

2,6-Dinitrotoluene

Concen: 6.976 ng

RT: 14.24 min Scan# 1898

Delta R.T. -0.15 min

Lab File: BG039469.D

Acq: 12 Feb 2019 18:32

Instrument :

BNA_G

ClientSampleId :

TP-1-D

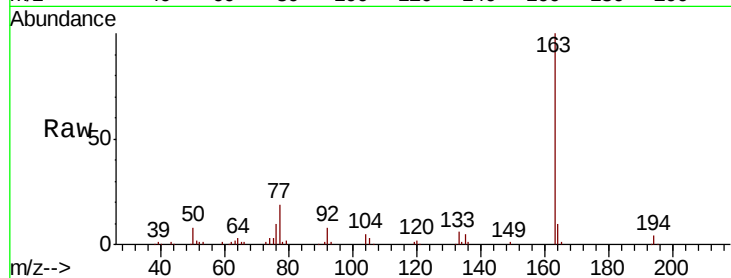
Tgt Ion:165 Resp: 1155

Ion Ratio Lower Upper

165 100

63 131.7 47.0 70.6#

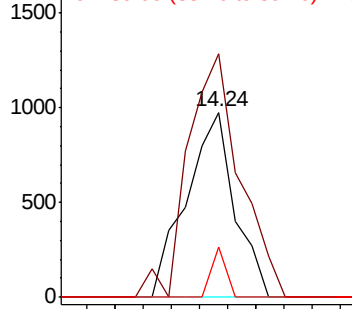
89 27.4 45.8 68.8#



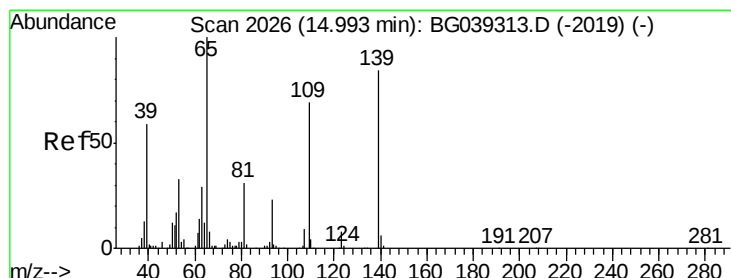
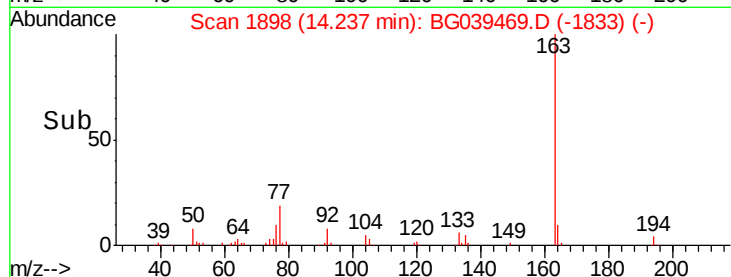
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



Time-->



#56

4-Nitrophenol

Concen: 5.820 ng

RT: 15.18 min Scan# 2058

Delta R.T. 0.18 min

Lab File: BG039469.D

Acq: 12 Feb 2019 18:32

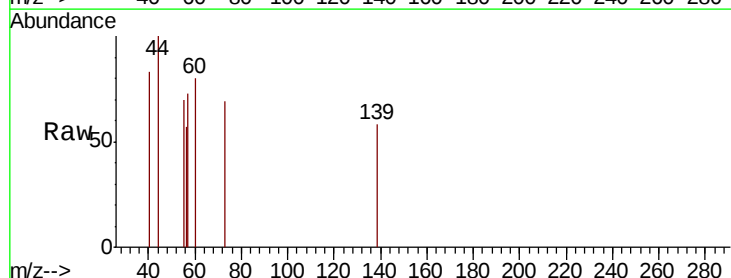
Tgt Ion:139 Resp: 66

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

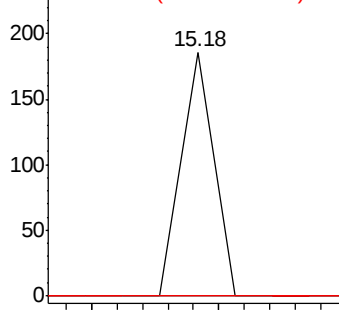
65 0.0 99.1 139.1#



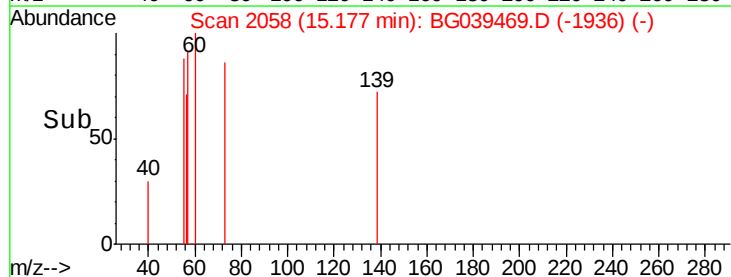
Abundance Ion 139.00 (138.70 to 139.70): E

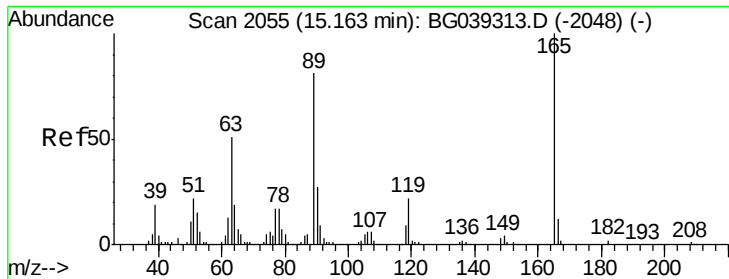
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



Time-->

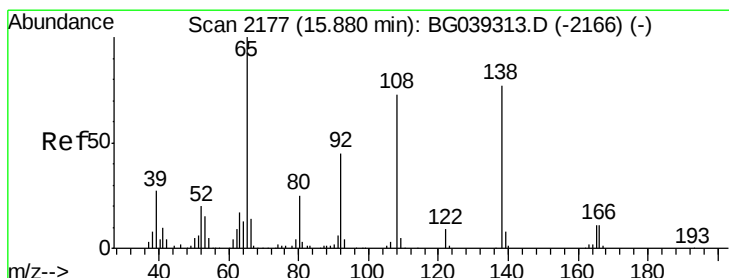
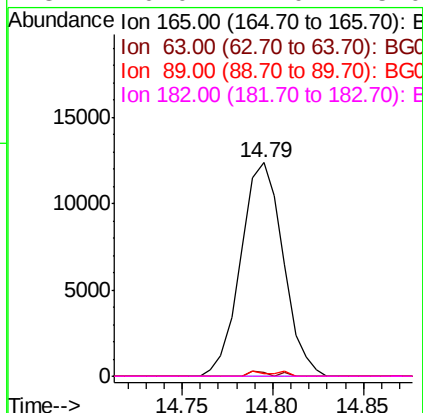
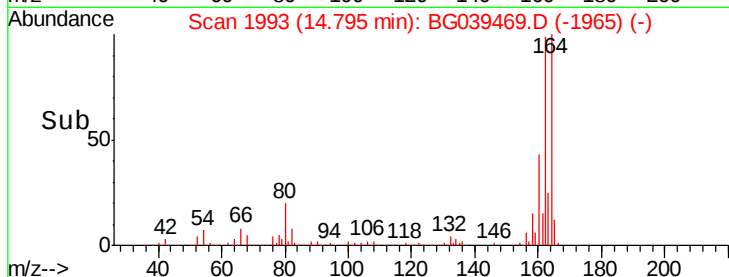
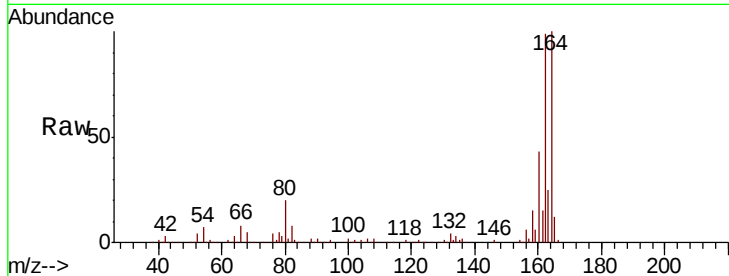




#57
 2,4-Dinitrotoluene
 Concen: 13.330 ng
 RT: 14.79 min Scan# 1993
 Delta R.T. -0.37 min
 Lab File: BG039469.D
 Acq: 12 Feb 2019 18:32

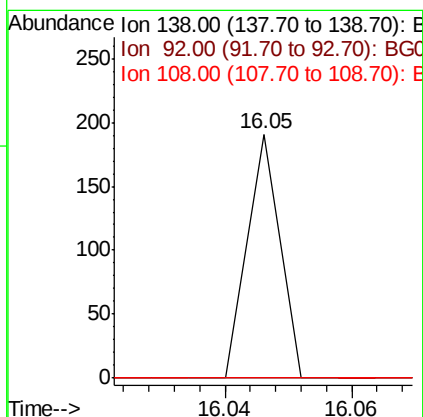
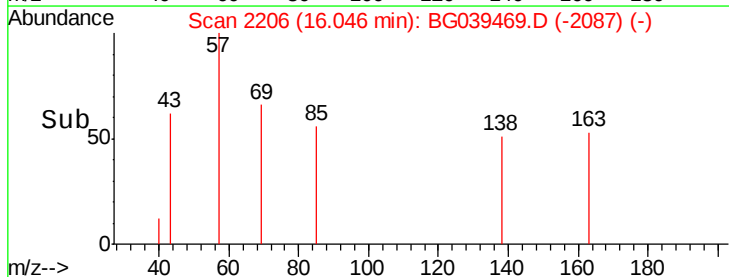
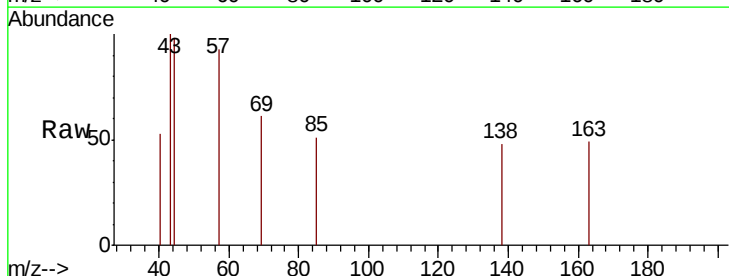
Instrument :
 BNA_G
 ClientSampleId :
 TP-1-D

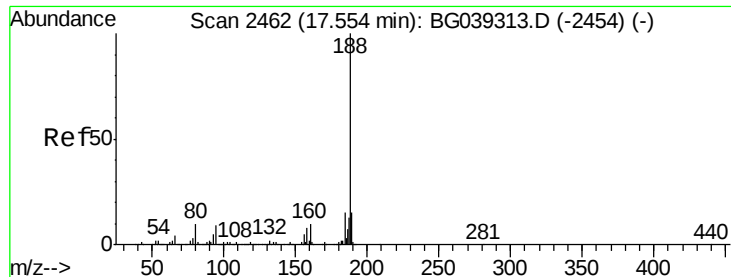
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	41.0	61.6#
89	1.4	64.6	96.8#
182	0.0	2.0	3.0#



#62
 4-Nitroaniline
 Concen: 4.225 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. 0.17 min
 Lab File: BG039469.D
 Acq: 12 Feb 2019 18:32

Tgt Ion	Ratio	Lower	Upper
138	100		
92	0.0	38.7	78.7#
108	0.0	74.6	114.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.02 min

Lab File: BG039469.D

Acq: 12 Feb 2019 18:32

Instrument :

BNA_G

ClientSampleId :

TP-1-D

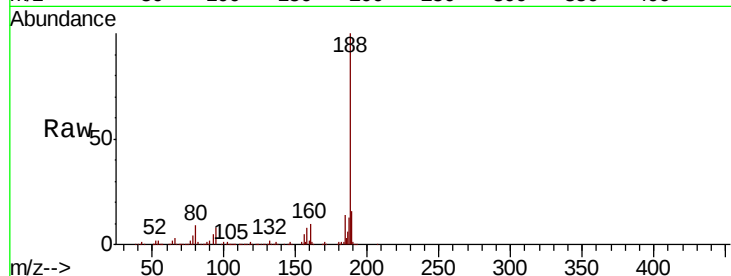
Tgt Ion:188 Resp: 393925

Ion Ratio Lower Upper

188 100

94 8.3 6.9 10.3

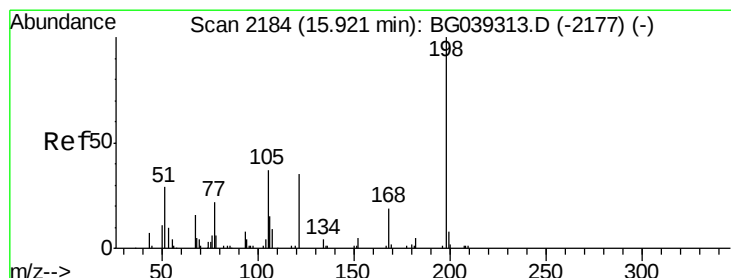
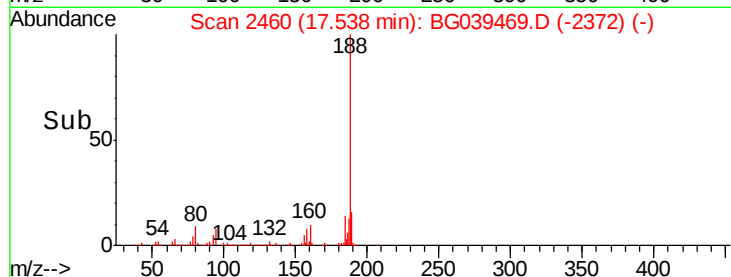
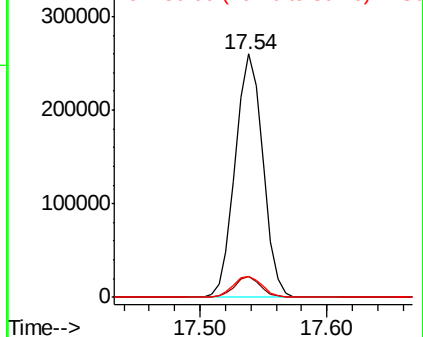
80 8.6 8.1 12.1



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: 5.026 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039469.D

Acq: 12 Feb 2019 18:32

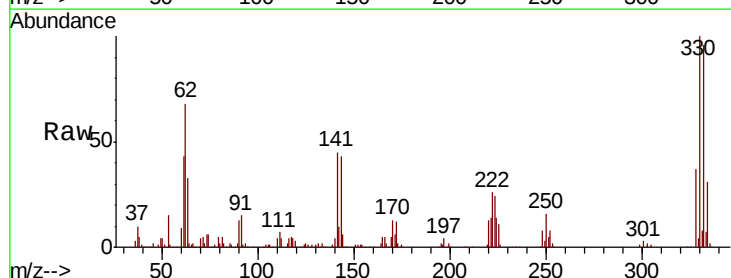
Tgt Ion:198 Resp: 1046

Ion Ratio Lower Upper

198 100

51 128.3 27.4 67.4#

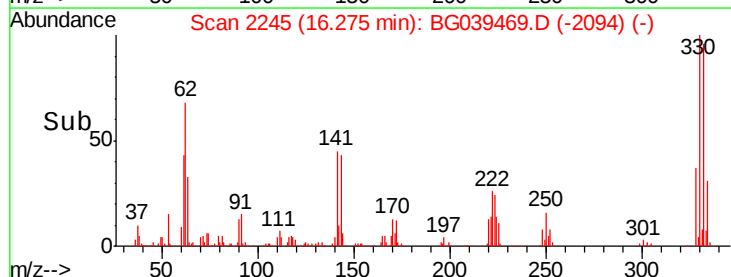
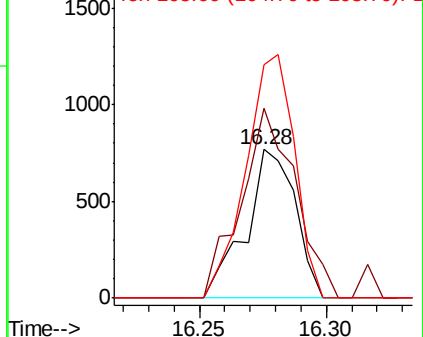
105 157.6 19.7 59.7#

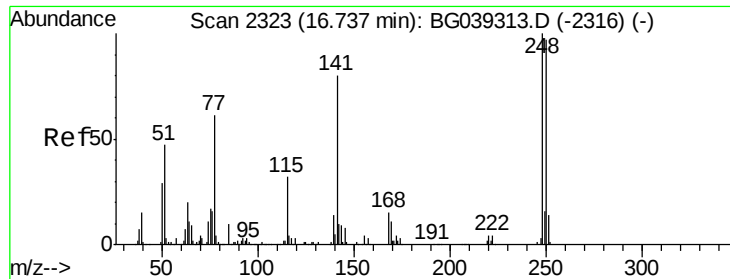


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

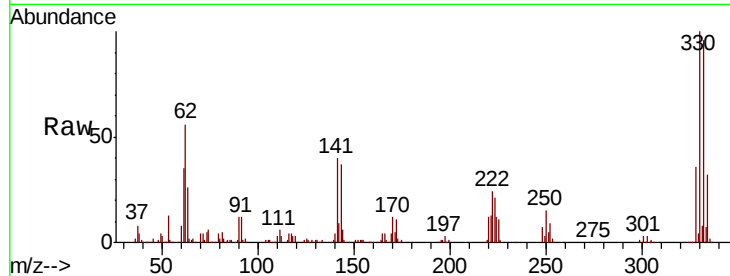




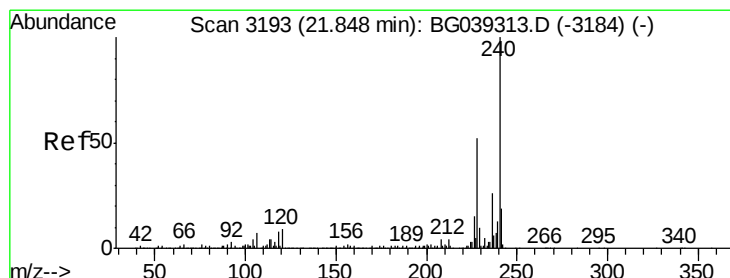
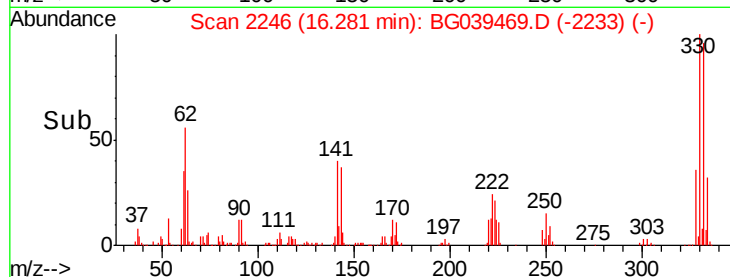
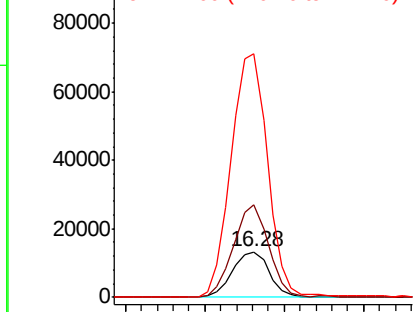
#67
 4-Bromophenyl-phenylether
 Concen: 4.861 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.46 min
 Lab File: BG039469.D
 Acq: 12 Feb 2019 18:32

Instrument :
 BNA_G
 ClientSampleId :
 TP-1-D

Tgt Ion:248 Resp: 21242
 Ion Ratio Lower Upper
 248 100
 250 202.6 77.6 116.4#
 141 534.5 63.9 95.9#

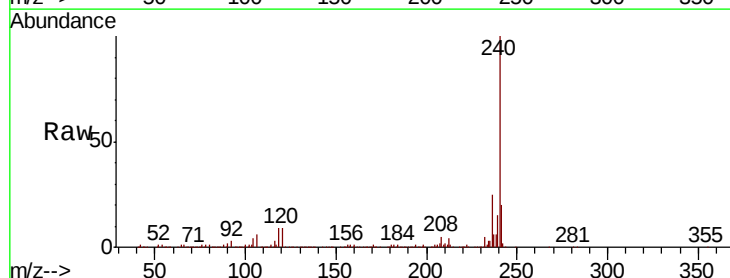


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

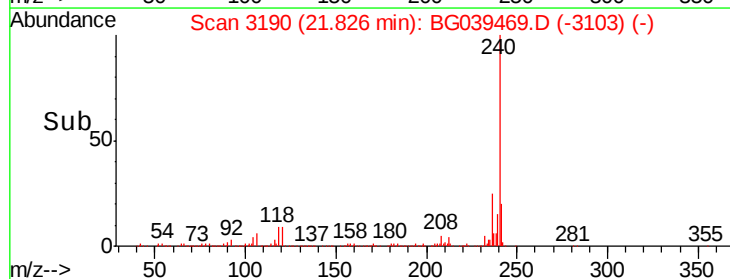
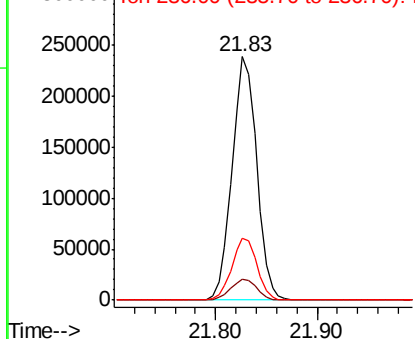


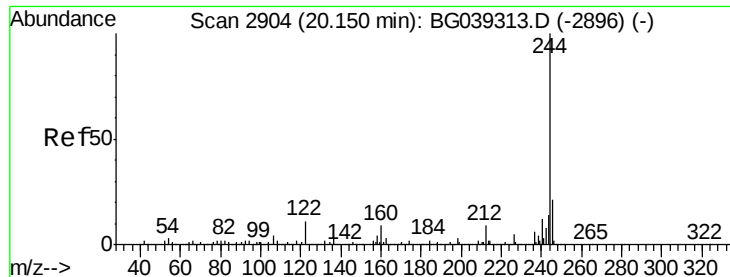
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3190
 Delta R.T. -0.02 min
 Lab File: BG039469.D
 Acq: 12 Feb 2019 18:32

Tgt Ion:240 Resp: 403469
 Ion Ratio Lower Upper
 240 100
 120 8.6 7.0 10.6
 236 25.3 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





#79

Terphenyl-d14

Concen: 74.376 ng

RT: 20.13 min Scan# 2902

Delta R.T. -0.02 min

Lab File: BG039469.D

Acq: 12 Feb 2019 18:32

Instrument :

BNA_G

ClientSampleId :

TP-1-D

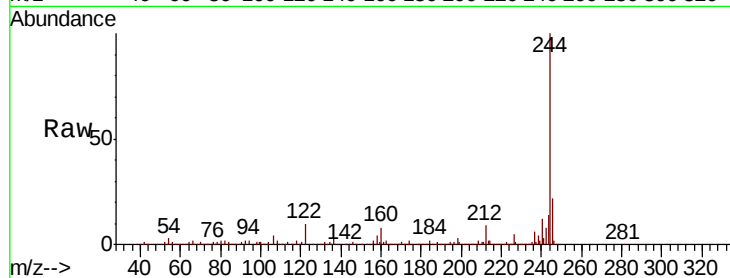
Tgt Ion:244 Resp: 1417714

Ion Ratio Lower Upper

244 100

212 9.0 7.3 10.9

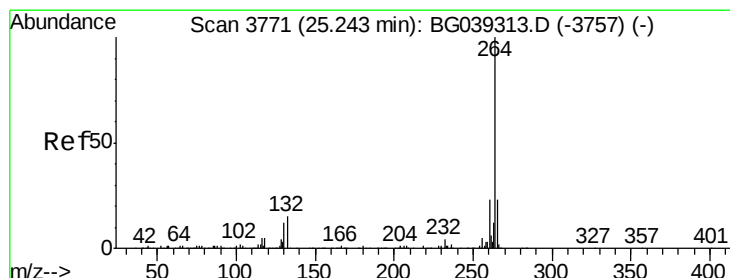
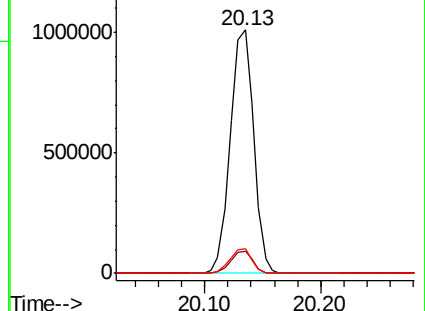
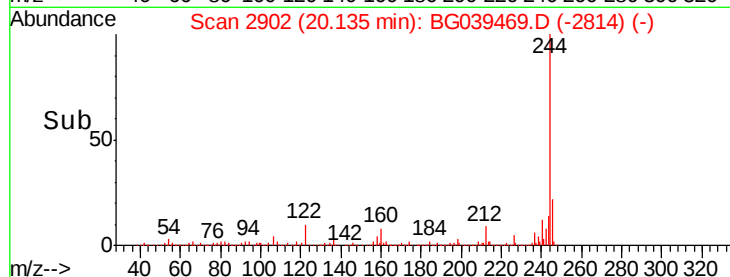
122 9.9 8.4 12.6



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: 25.21 min Scan# 3766

Delta R.T. -0.03 min

Lab File: BG039469.D

Acq: 12 Feb 2019 18:32

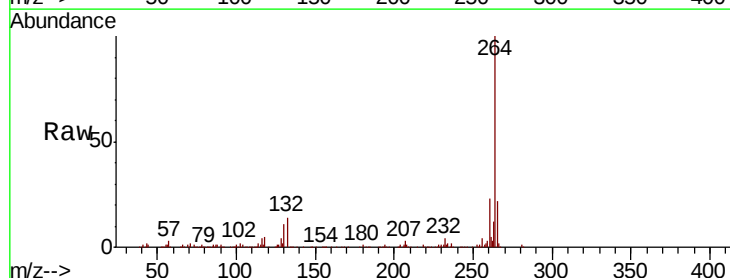
Tgt Ion:264 Resp: 406142

Ion Ratio Lower Upper

264 100

260 22.8 18.2 27.4

265 22.2 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

