

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021119\
 Data File : BG039445.D
 Acq On : 11 Feb 2019 22:07
 Operator : JU/SJ
 Sample : K1454-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Quant Time: Feb 12 00:18:18 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

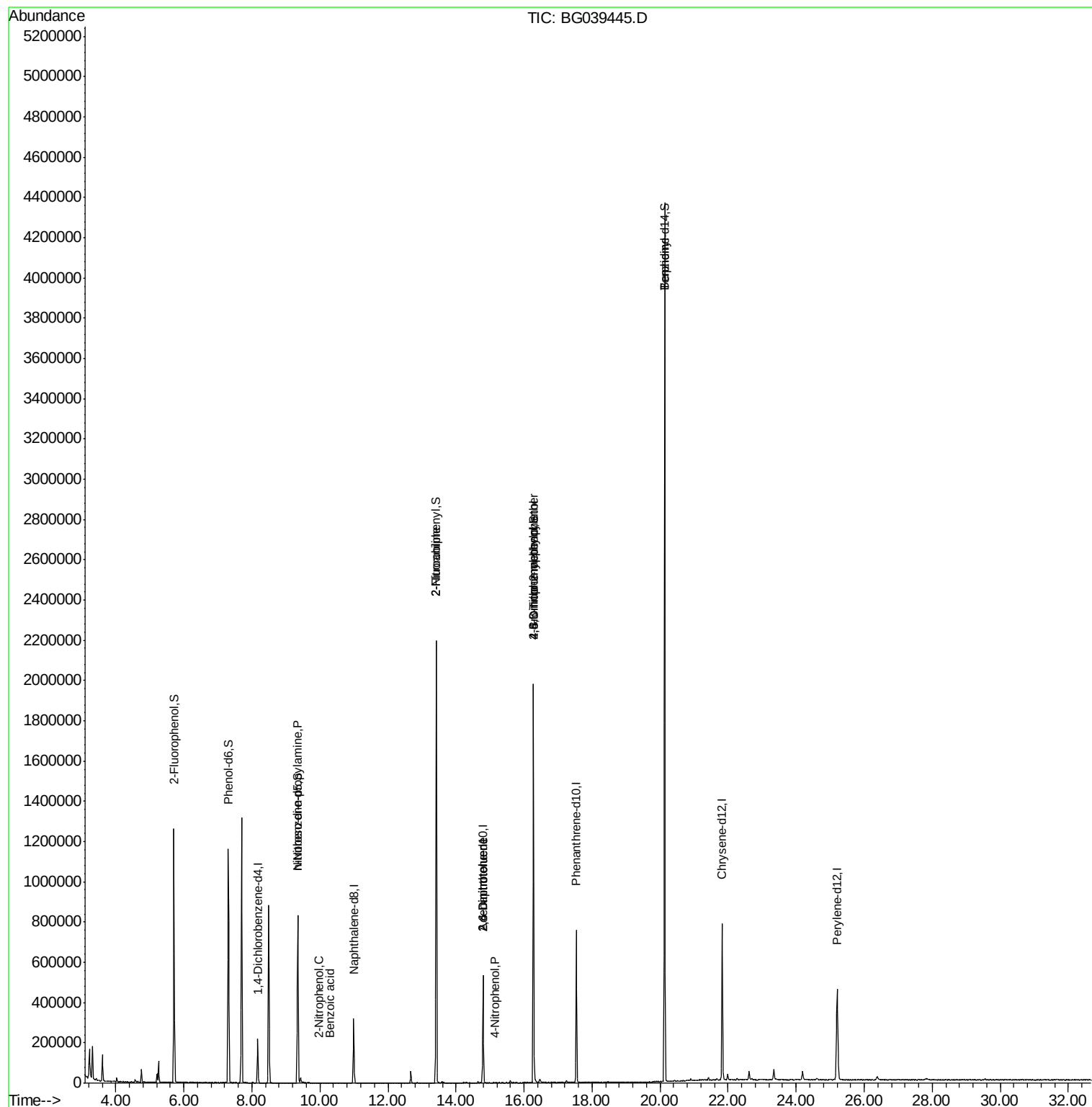
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	59747	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	265164	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	185442	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	458736	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	480768	20.00	ng	-0.02
87) Perylene-d12	25.21	264	481805	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	522909	149.79	ng	0.00
7) Phenol-d6	7.31	99	683009	132.92	ng	-0.01
23) Nitrobenzene-d5	9.35	82	497081	117.11	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	347585	174.06	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	1180798	91.34	ng	-0.02
79) Terphenyl-d14	20.13	244	1938629	85.35	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.30	77	998	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.35	70	65067	17.841 ng	#	4
26) 2-Nitrophenol	9.98	139	53	4.040 ng	#	31
32) Benzoic acid	10.29	122	72	9.044 ng	#	35
48) 2-Nitroaniline	13.42	65	2078	8.812 ng	#	4
51) 2,6-Dinitrotoluene	14.79	165	24095	13.991 ng	#	24
56) 4-Nitrophenol	15.14	139	55	5.813 ng	#	1
57) 2,4-Dinitrotoluene	14.79	165	24095	13.450 ng	#	19
65) 4,6-Dinitro-2-methylphenol	16.28	198	1145	4.975 ng	#	1
67) 4-Bromophenyl-phenylether	16.28	248	26985	5.302 ng	#	1
77) Benzidine	20.13	184	36204	2.297 ng	#	89

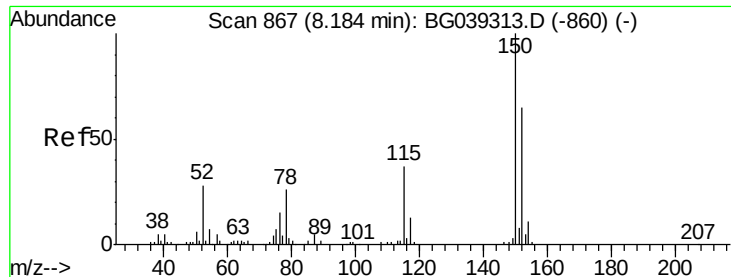
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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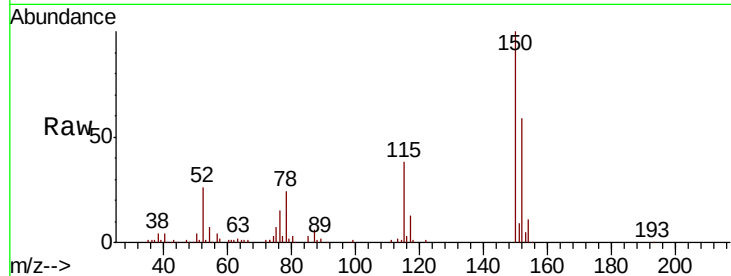


#1

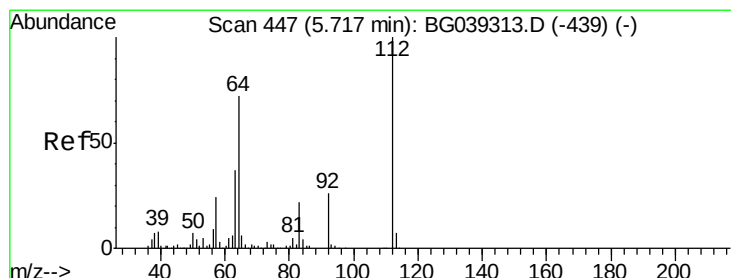
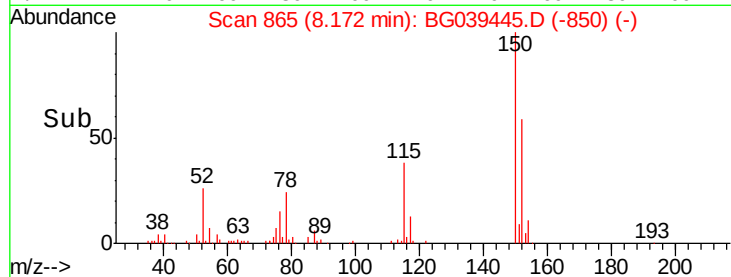
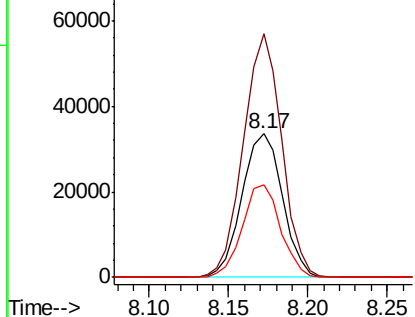
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039445.D
Acq: 11 Feb 2019 22:07

Instrument :
BNA_G
ClientSampleId :
TP-1

Tgt Ion:152 Resp: 59747
Ion Ratio Lower Upper
152 100
150 169.6 123.7 185.5
115 64.8 45.9 68.9



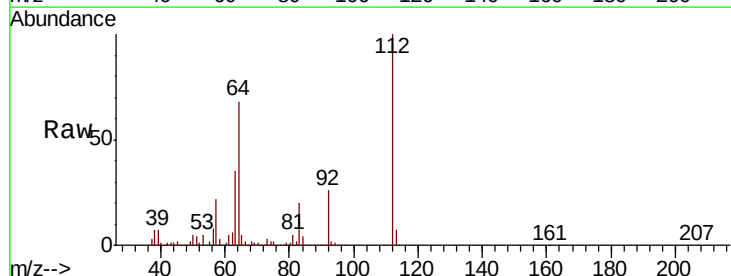
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



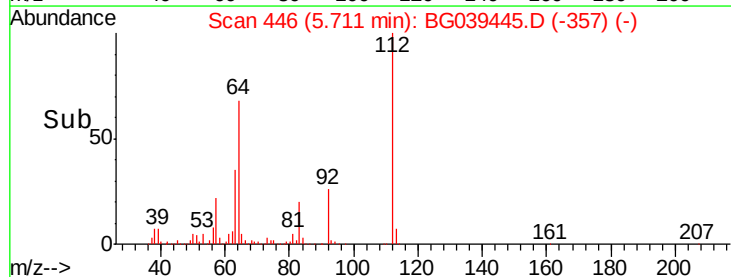
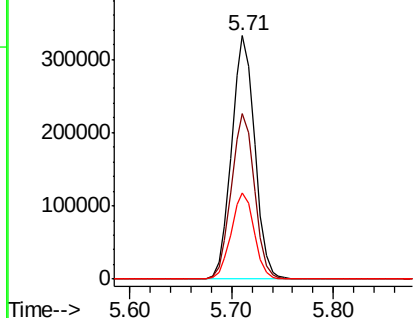
#5

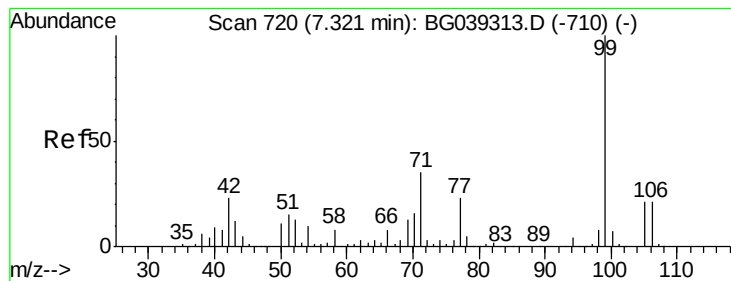
2-Fluorophenol
Concen: 149.792 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039445.D
Acq: 11 Feb 2019 22:07

Tgt Ion:112 Resp: 522909
Ion Ratio Lower Upper
112 100
64 68.0 57.8 86.8
63 35.5 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: 132.920 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039445.D

Acq: 11 Feb 2019 22:07

Instrument :

BNA_G

ClientSampled :

TP-1

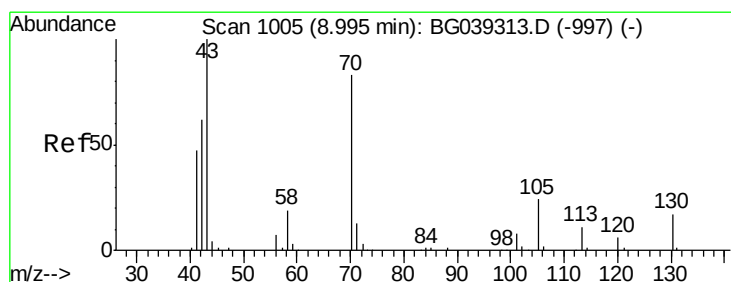
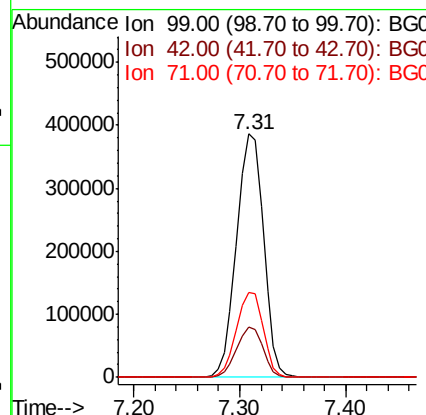
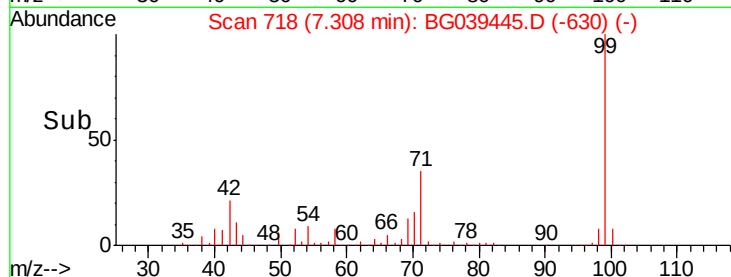
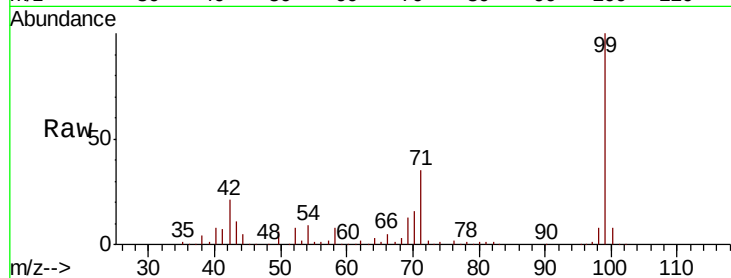
Tgt Ion: 99 Resp: 683009

Ion Ratio Lower Upper

99 100

42 20.5 18.2 27.2

71 35.1 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.841 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039445.D

Acq: 11 Feb 2019 22:07

Tgt Ion: 70 Resp: 65067

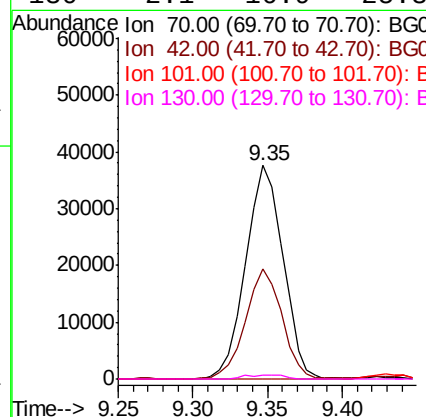
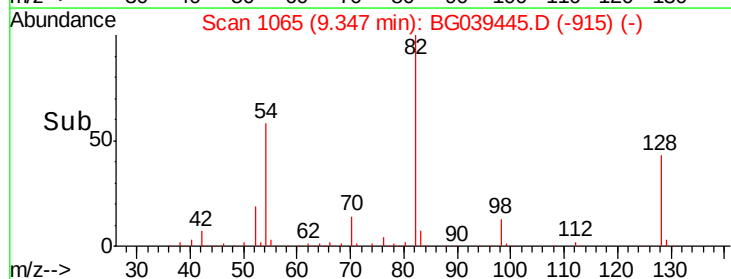
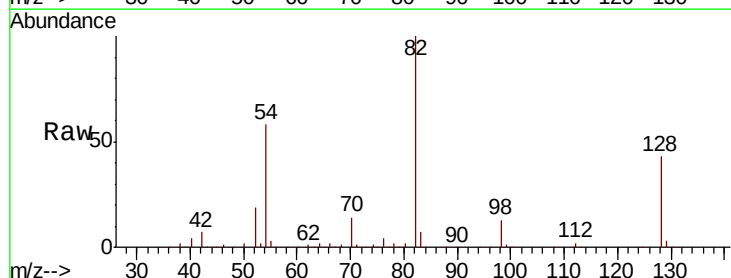
Ion Ratio Lower Upper

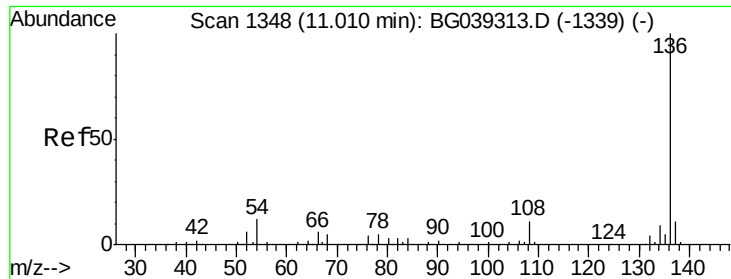
70 100

42 51.8 60.4 90.6#

101 0.0 7.5 11.3#

130 2.1 16.9 25.3#

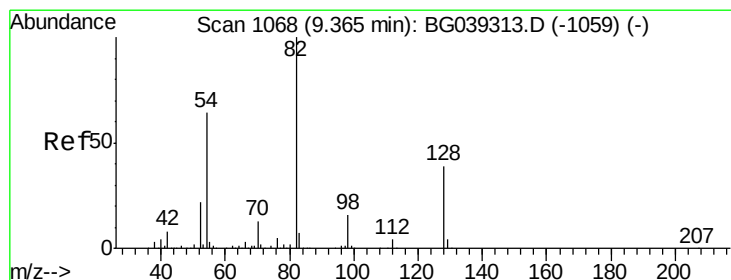
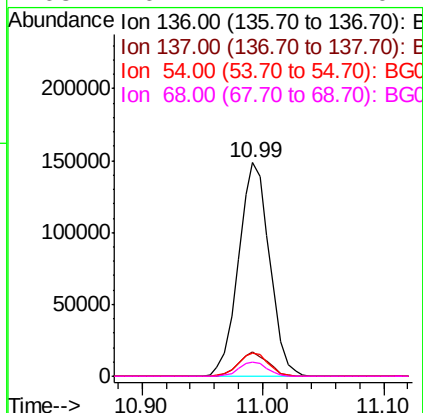
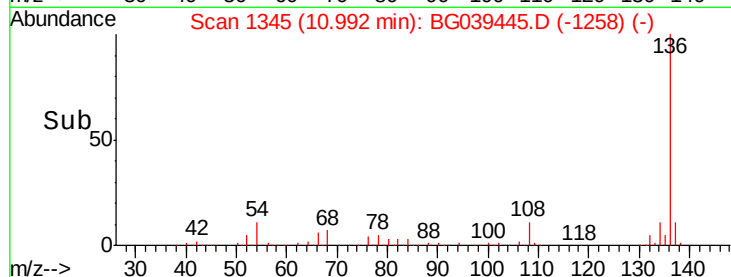
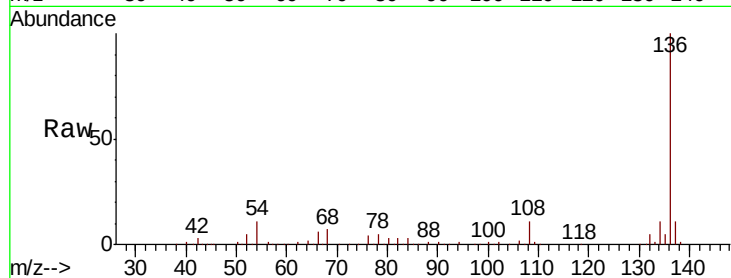




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039445.D
Acq: 11 Feb 2019 22:07

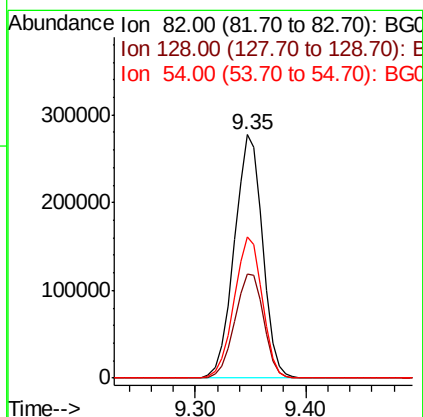
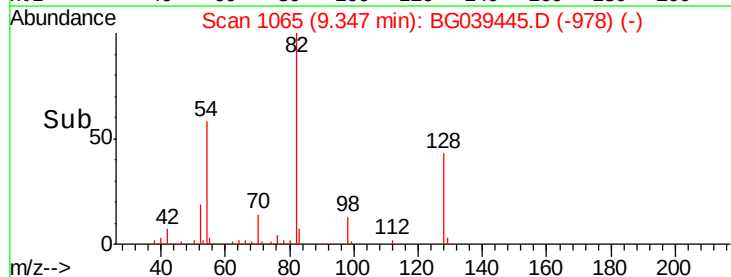
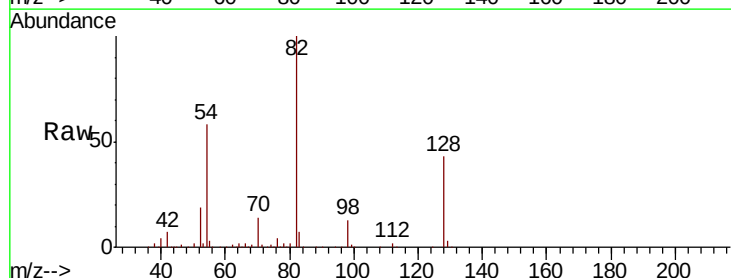
Instrument :
BNA_G
ClientSampleId :
TP-1

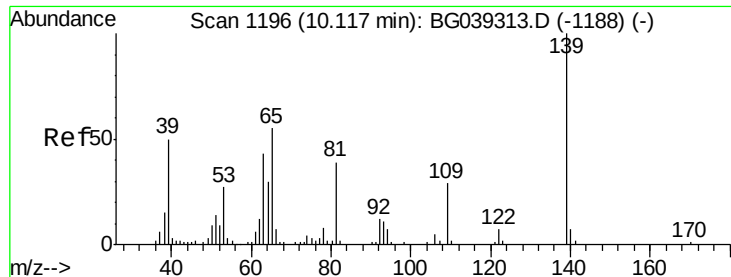
Tgt Ion:	136	Resp:	265164
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	10.7	9.4	14.2
68	6.7	4.2	6.4#



#23
Nitrobenzene-d5
Concen: 117.110 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039445.D
Acq: 11 Feb 2019 22:07

Tgt Ion:	82	Resp:	497081
Ion	Ratio	Lower	Upper
82	100		
128	42.8	31.3	46.9
54	58.0	50.9	76.3





#26

2-Nitrophenol

Concen: 4.040 ng

RT: 9.98 min Scan# 1173

Delta R.T. -0.13 min

Lab File: BG039445.D

Acq: 11 Feb 2019 22:07

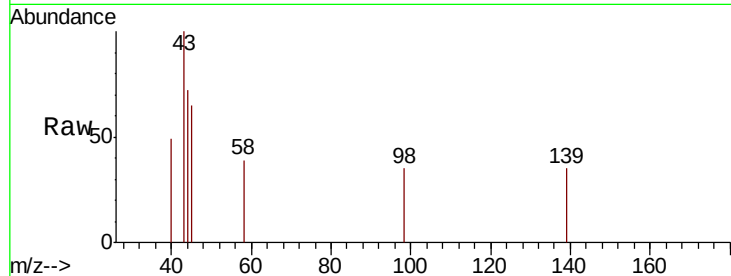
Instrument :

BNA_G

ClientSampleId :

TP-1

Tgt Ion:	139	Resp:	53
Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.4	35.0#
65	0.0	44.3	66.5#

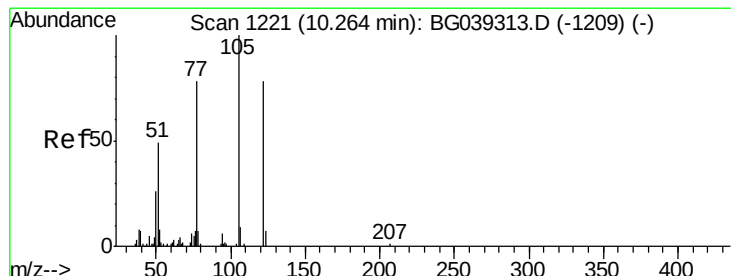
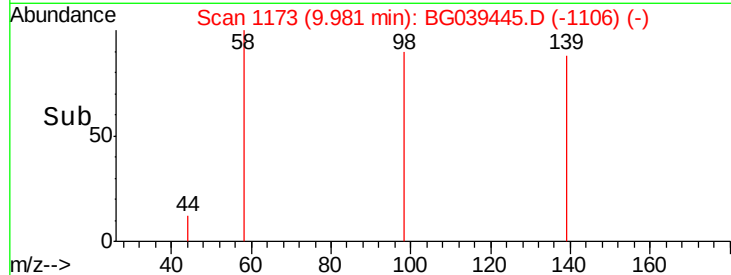
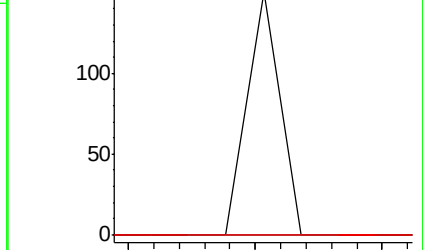


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

9.98



#32

Benzoic acid

Concen: 9.044 ng

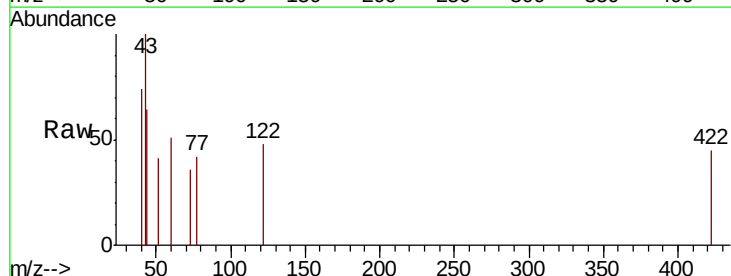
RT: 10.29 min Scan# 1225

Delta R.T. 0.02 min

Lab File: BG039445.D

Acq: 11 Feb 2019 22:07

Tgt Ion:	122	Resp:	72
Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	87.7	76.3	116.3

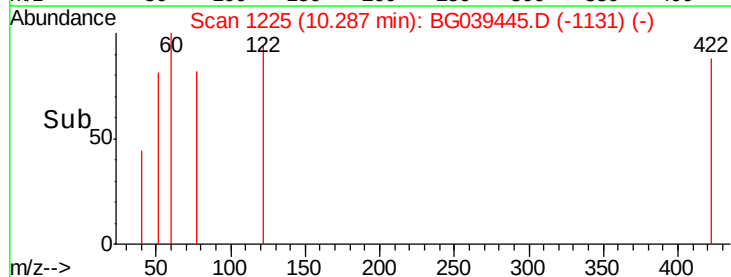
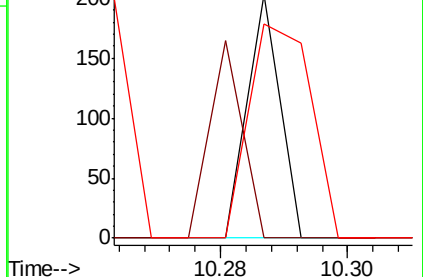


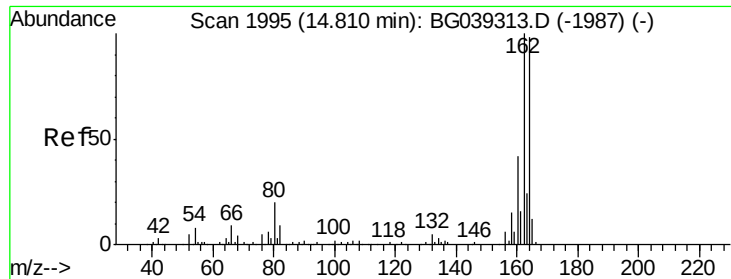
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

10.29





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039445.D

Acq: 11 Feb 2019 22:07

Instrument :

BNA_G

ClientSampleId :

TP-1

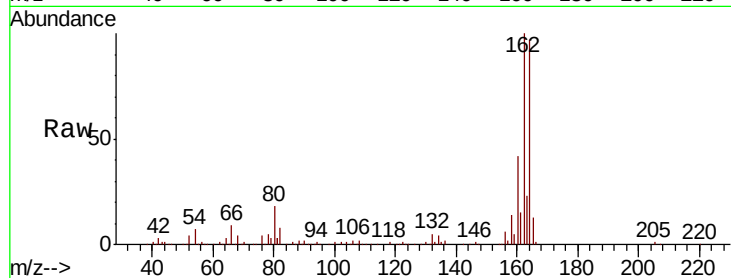
Tgt Ion:164 Resp: 185442

Ion Ratio Lower Upper

164 100

162 102.8 81.6 122.4

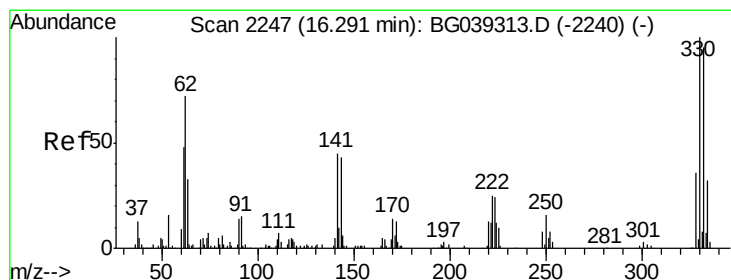
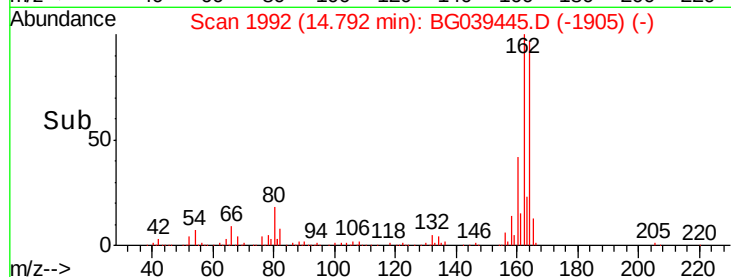
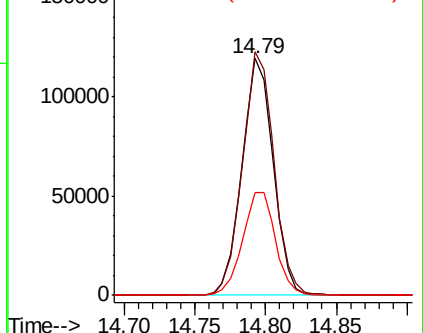
160 43.6 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 174.063 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039445.D

Acq: 11 Feb 2019 22:07

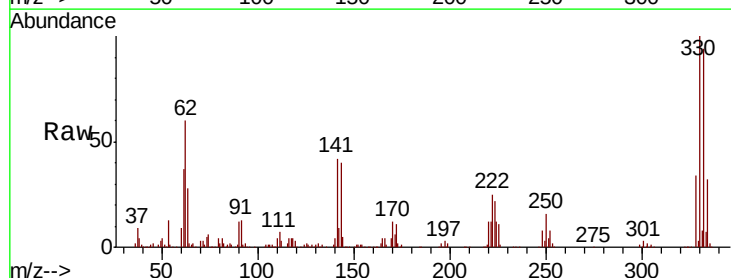
Tgt Ion:330 Resp: 347585

Ion Ratio Lower Upper

330 100

332 95.3 75.7 113.5

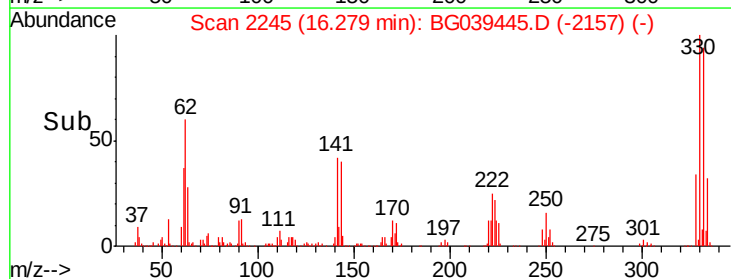
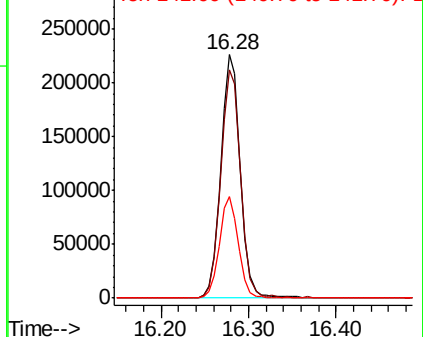
141 40.7 35.6 53.4

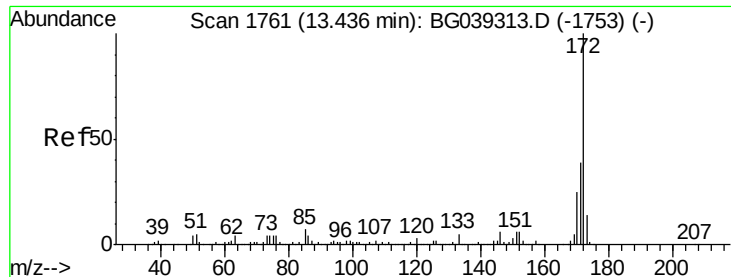


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

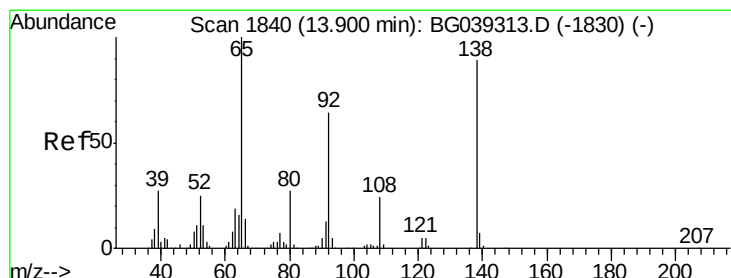
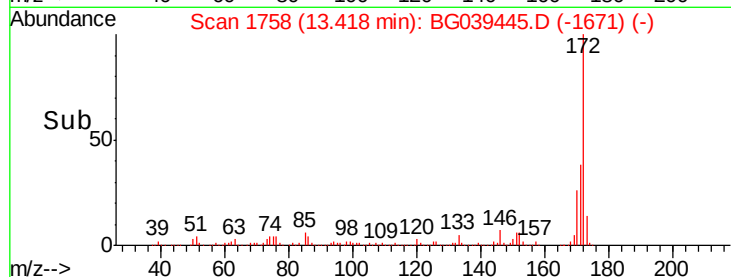
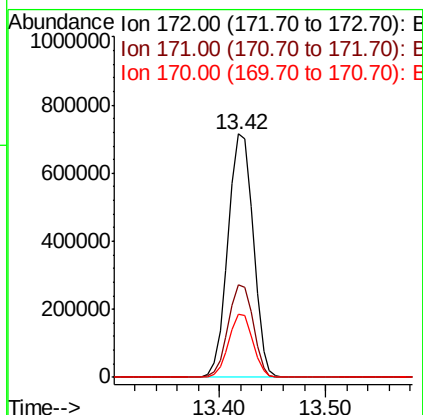
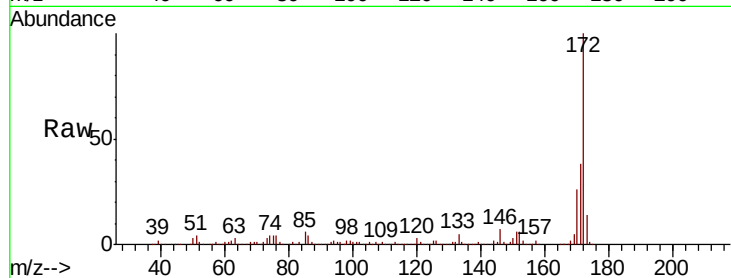




#45
2-Fluorobiphenyl
Concen: 91.345 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BG039445.D
Acq: 11 Feb 2019 22:07

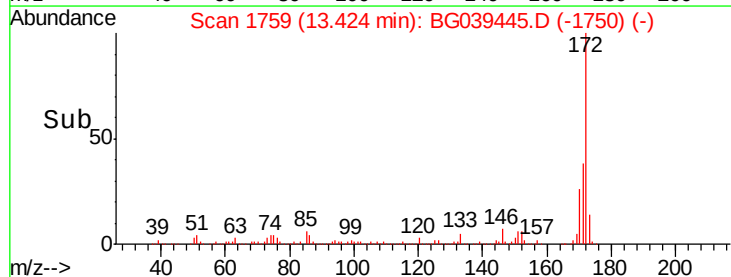
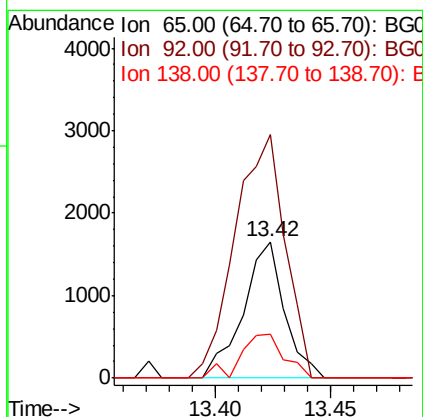
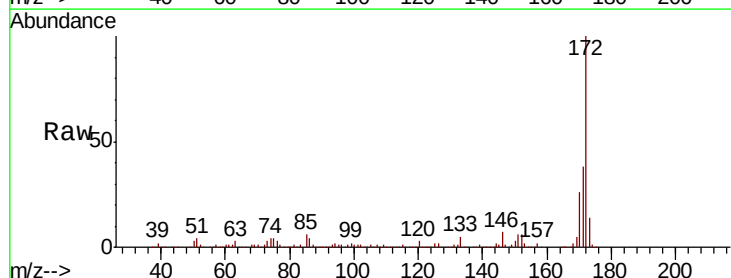
Instrument :
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TP-1

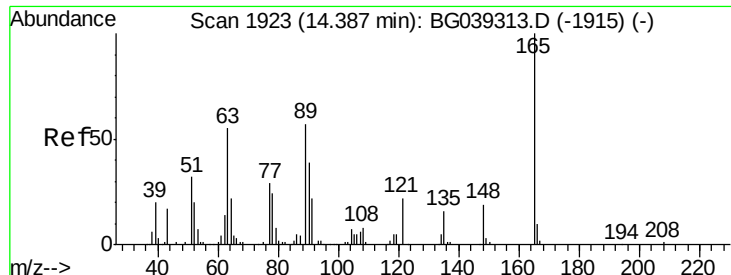
Tgt Ion: 172 Resp: 1180798
Ion Ratio Lower Upper
172 100
171 38.2 30.8 46.2
170 26.1 20.2 30.4



#48
2-Nitroaniline
Concen: 8.812 ng
RT: 13.42 min Scan# 1759
Delta R.T. -0.48 min
Lab File: BG039445.D
Acq: 11 Feb 2019 22:07

Tgt Ion: 65 Resp: 2078
Ion Ratio Lower Upper
65 100
92 178.3 51.4 77.2#
138 32.0 71.4 107.2#

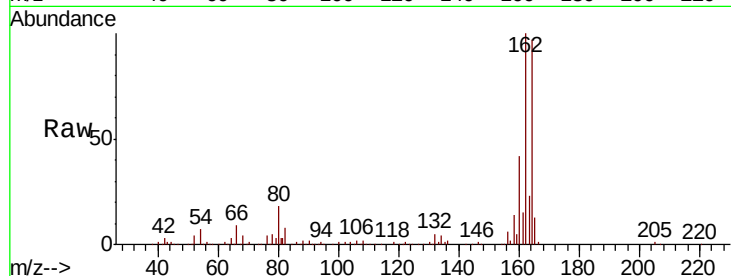




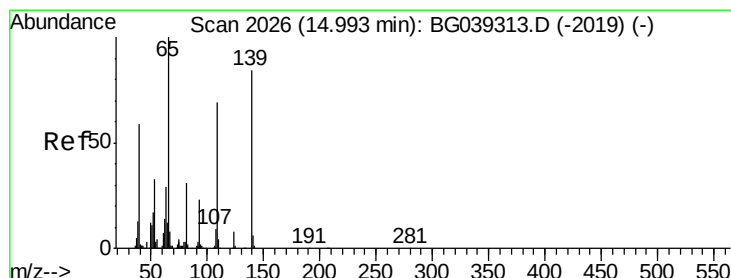
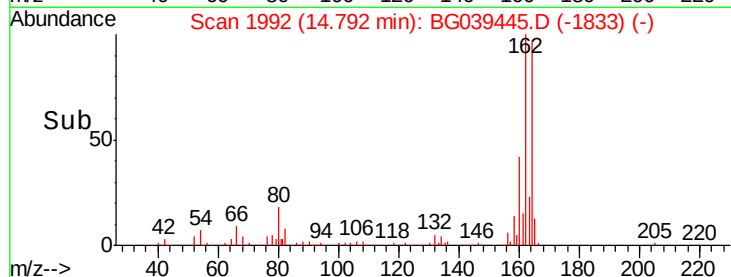
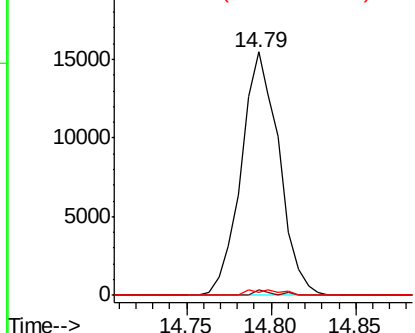
#51
 2,6-Dinitrotoluene
 Concen: 13.991 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. 0.41 min
 Lab File: BG039445.D
 Acq: 11 Feb 2019 22:07

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	47.0	70.6#
89	1.3	45.8	68.8#

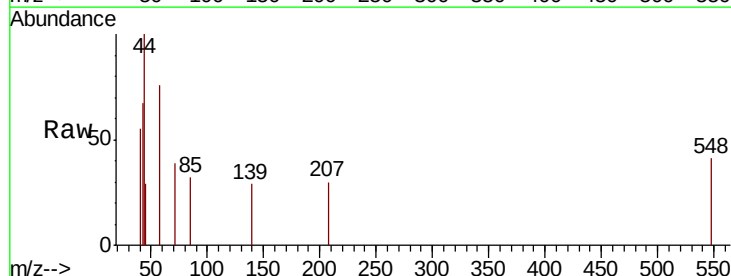


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGO
 Ion 89.00 (88.70 to 89.70): BGO

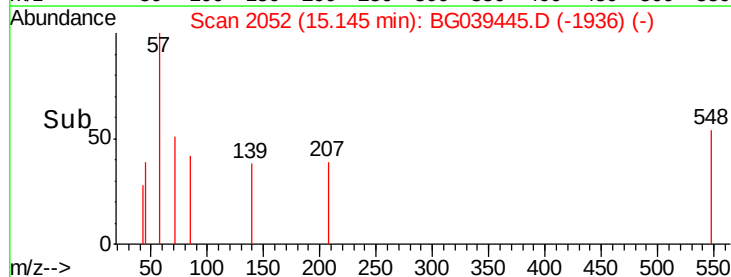
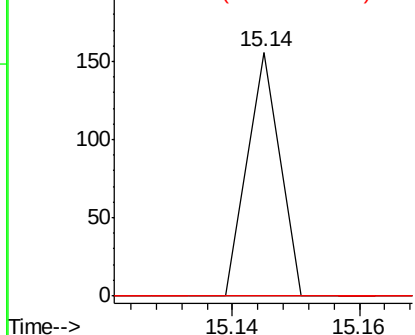


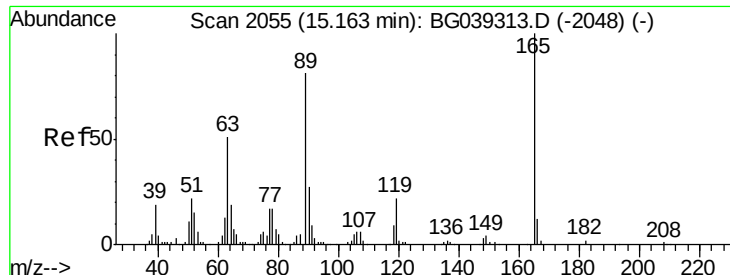
#56
 4-Nitrophenol
 Concen: 5.813 ng
 RT: 15.14 min Scan# 2052
 Delta R.T. 0.15 min
 Lab File: BG039445.D
 Acq: 11 Feb 2019 22:07

Tgt 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): BGO





#57

2,4-Dinitrotoluene

Concen: 13.450 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039445.D

Acq: 11 Feb 2019 22:07

Instrument :

BNA_G

ClientSampleId :

TP-1

Tgt Ion:165 Resp: 24095

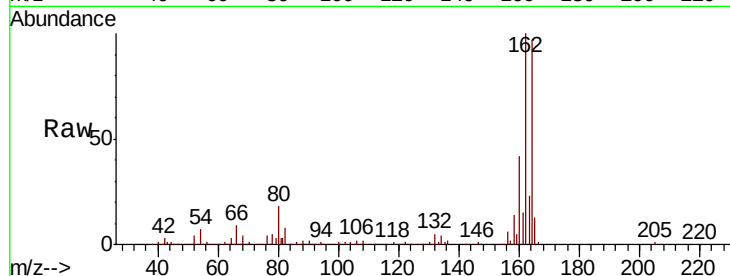
Ion Ratio Lower Upper

165 100

63 2.0 41.0 61.6#

89 1.3 64.6 96.8#

182 0.0 2.0 3.0#

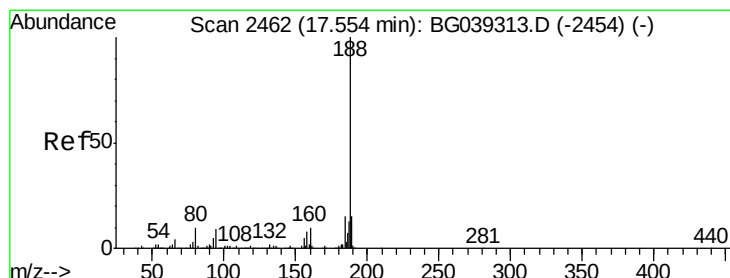
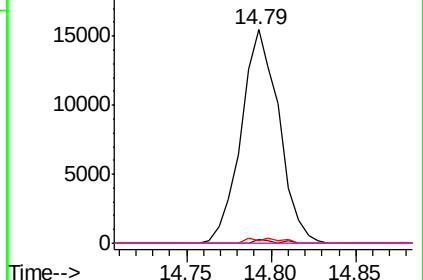
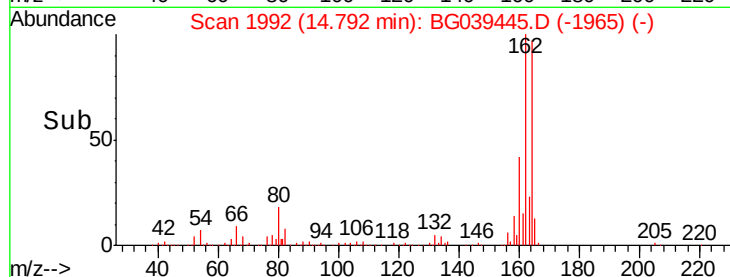


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.54 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039445.D

Acq: 11 Feb 2019 22:07

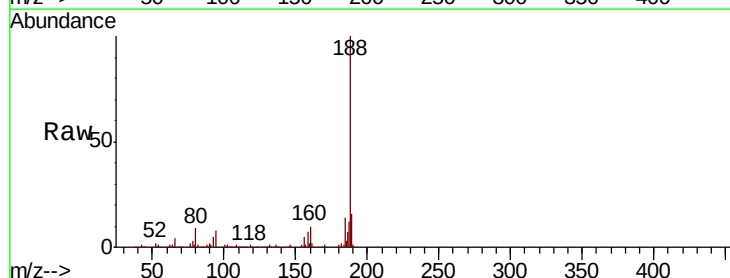
Tgt Ion:188 Resp: 458736

Ion Ratio Lower Upper

188 100

94 8.5 6.9 10.3

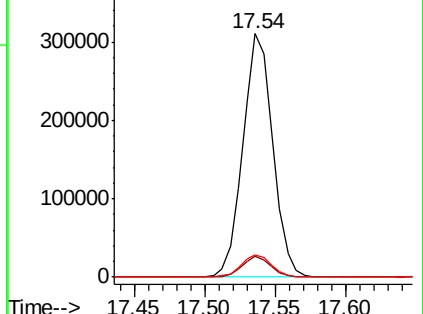
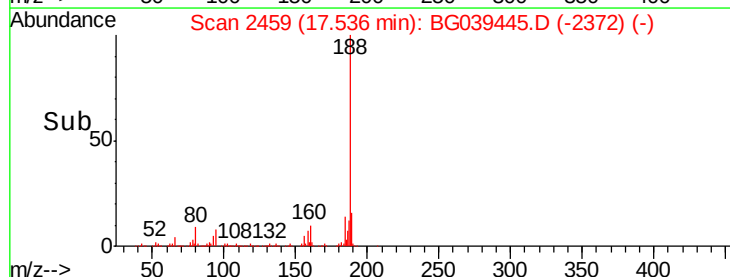
80 9.2 8.1 12.1

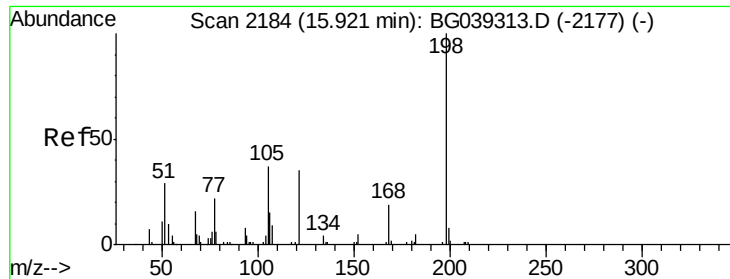


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

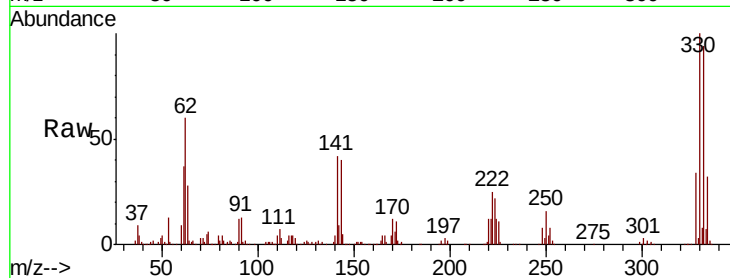




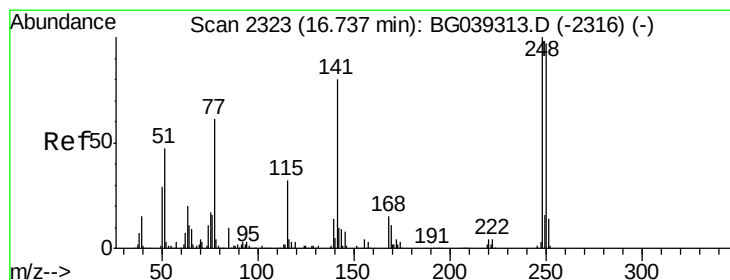
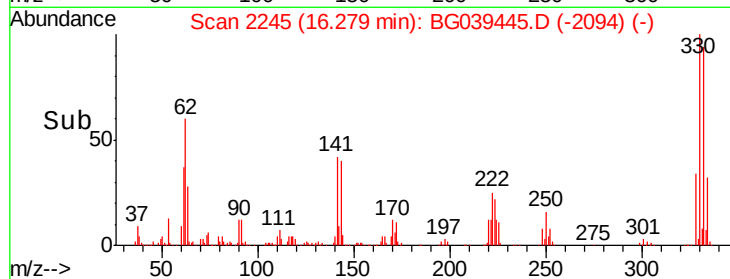
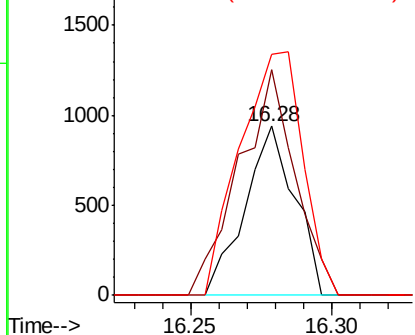
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.975 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. 0.36 min
 Lab File: BG039445.D
 Acq: 11 Feb 2019 22:07

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Tgt Ion:198 Resp: 1145
 Ion Ratio Lower Upper
 198 100
 51 133.5 27.4 67.4#
 105 142.7 19.7 59.7#

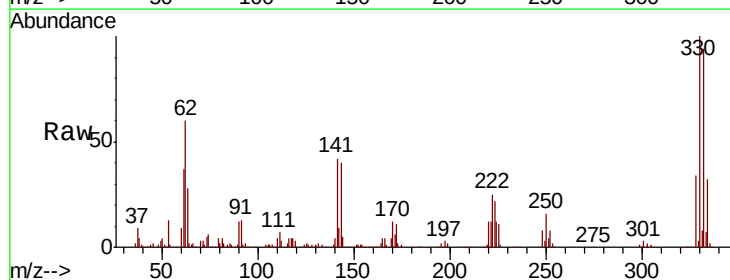


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

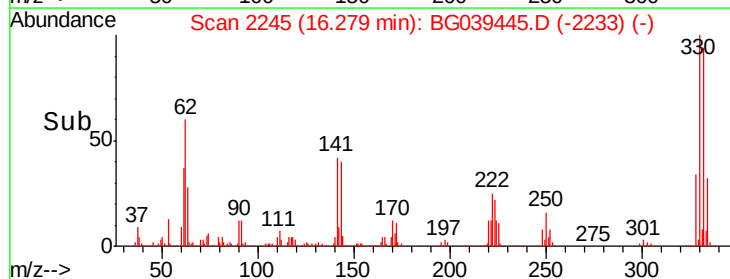
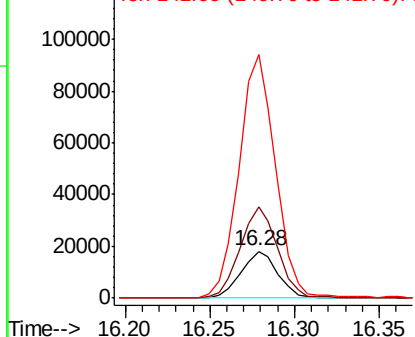


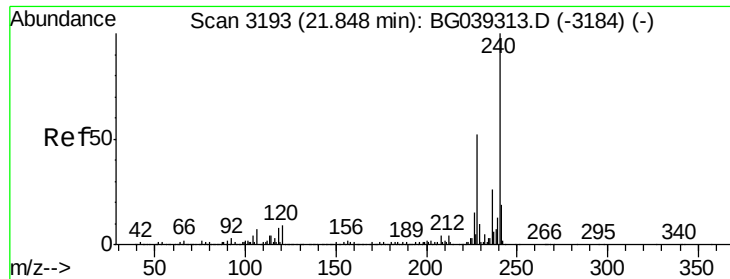
#67
 4-Bromophenyl-phenylether
 Concen: 5.302 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039445.D
 Acq: 11 Feb 2019 22:07

Tgt Ion:248 Resp: 26985
 Ion Ratio Lower Upper
 248 100
 250 197.2 77.6 116.4#
 141 523.2 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

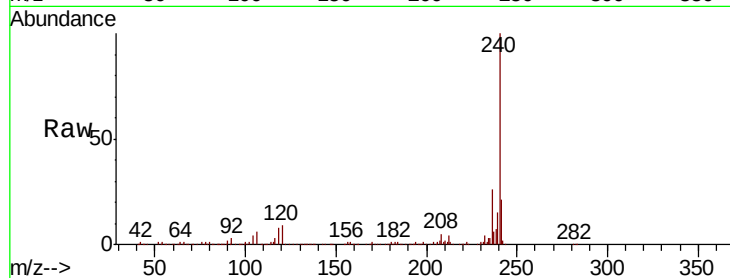




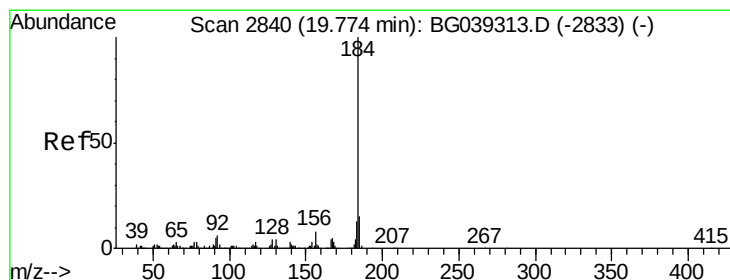
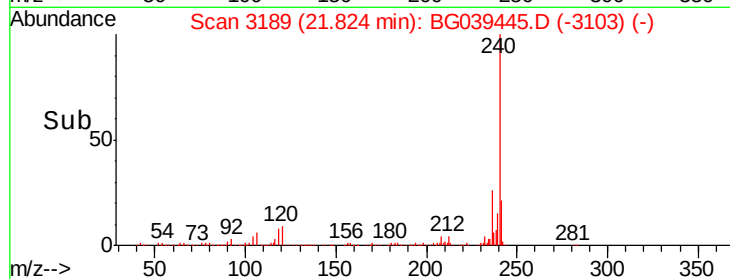
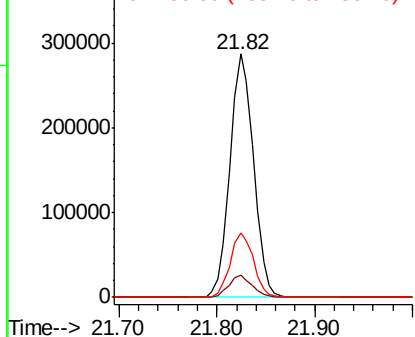
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3189
Delta R.T. -0.02 min
Lab File: BG039445.D
Acq: 11 Feb 2019 22:07

Instrument :
BNA_G
ClientSampleId :
TP-1

Tgt Ion:240 Resp: 480768
Ion Ratio Lower Upper
240 100
120 8.9 7.0 10.6
236 26.4 21.0 31.4

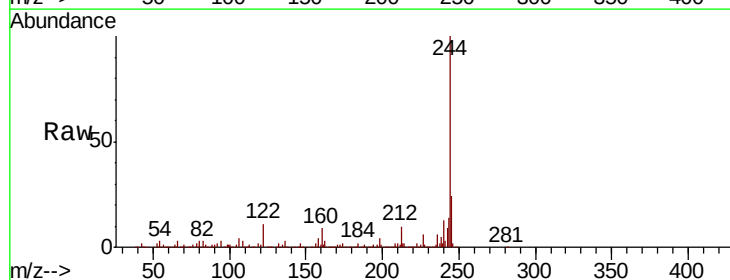


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

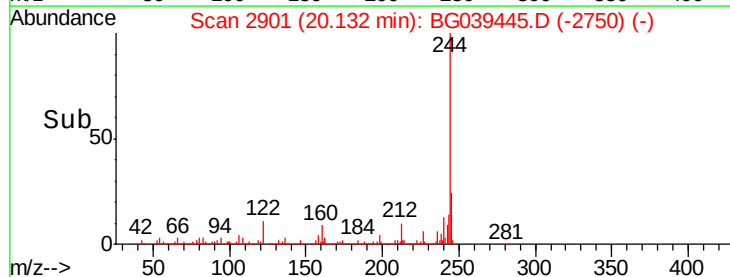
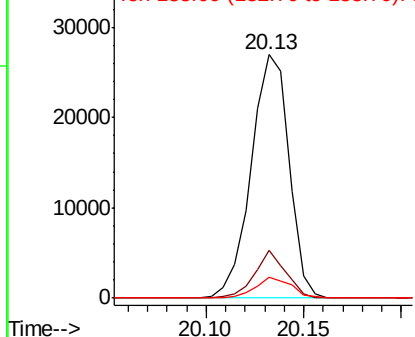


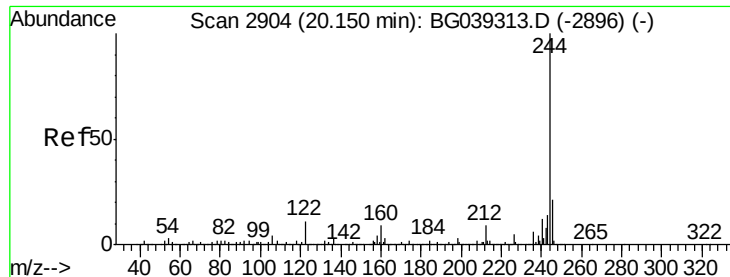
#77
Benzidine
Concen: 2.297 ng
RT: 20.13 min Scan# 2901
Delta R.T. 0.36 min
Lab File: BG039445.D
Acq: 11 Feb 2019 22:07

Tgt Ion:184 Resp: 36204
Ion Ratio Lower Upper
184 100
185 19.4 12.2 18.2#
183 8.7 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: 85.352 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039445.D

Acq: 11 Feb 2019 22:07

Instrument :

BNA_G

ClientSampleId :

TP-1

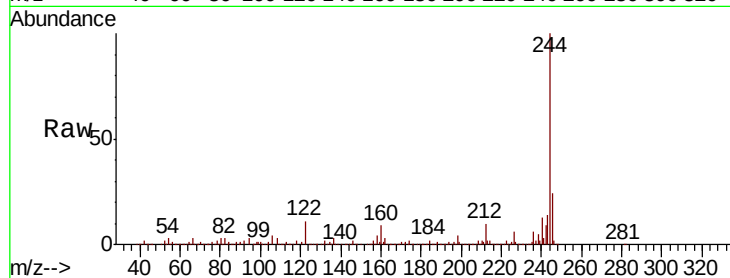
Tgt Ion:244 Resp: 1938629

Ion Ratio Lower Upper

244 100

212 10.3 7.3 10.9

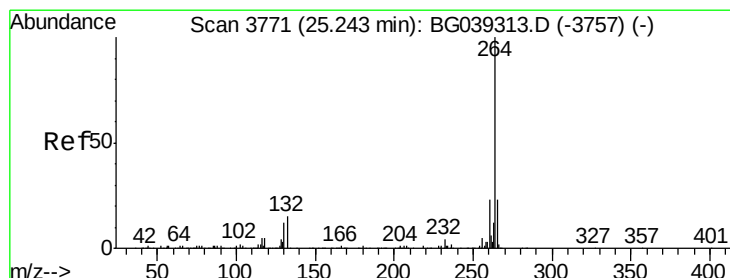
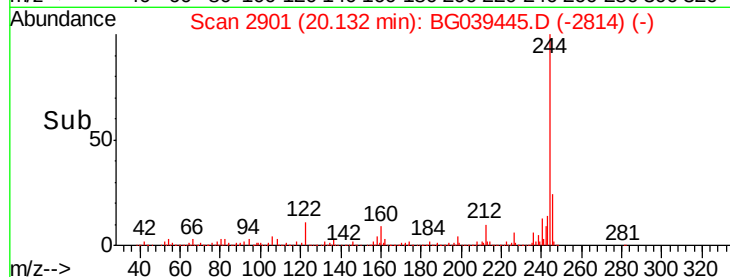
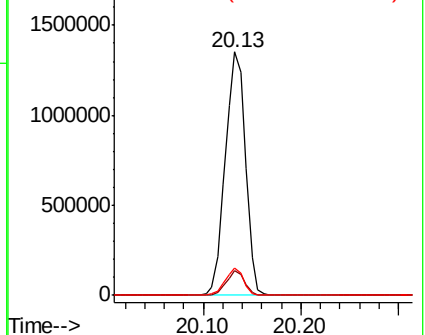
122 11.0 8.4 12.6



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: 25.21 min Scan# 3765

Delta R.T. -0.04 min

Lab File: BG039445.D

Acq: 11 Feb 2019 22:07

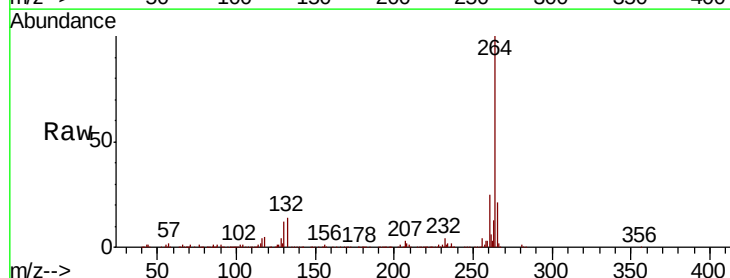
Tgt Ion:264 Resp: 481805

Ion Ratio Lower Upper

264 100

260 24.7 18.2 27.4

265 21.2 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

