

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021319\
 Data File : BG039502.D
 Acq On : 13 Feb 2019 23:56
 Operator : JU/SJ
 Sample : K1343-20
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JC-02-021119-J

Quant Time: Feb 14 02:50:05 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	45153	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	202151	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	149718	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	368229	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	391531	20.00	ng	-0.02
87) Perylene-d12	25.21	264	379220	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	402567	152.59	ng	0.00
7) Phenol-d6	7.31	99	534299	137.59	ng	-0.01
23) Nitrobenzene-d5	9.35	82	402424	124.36	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	242002	150.11	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	1012978	97.06	ng	-0.02
79) Terphenyl-d14	20.13	244	1702915	92.06	ng	-0.02

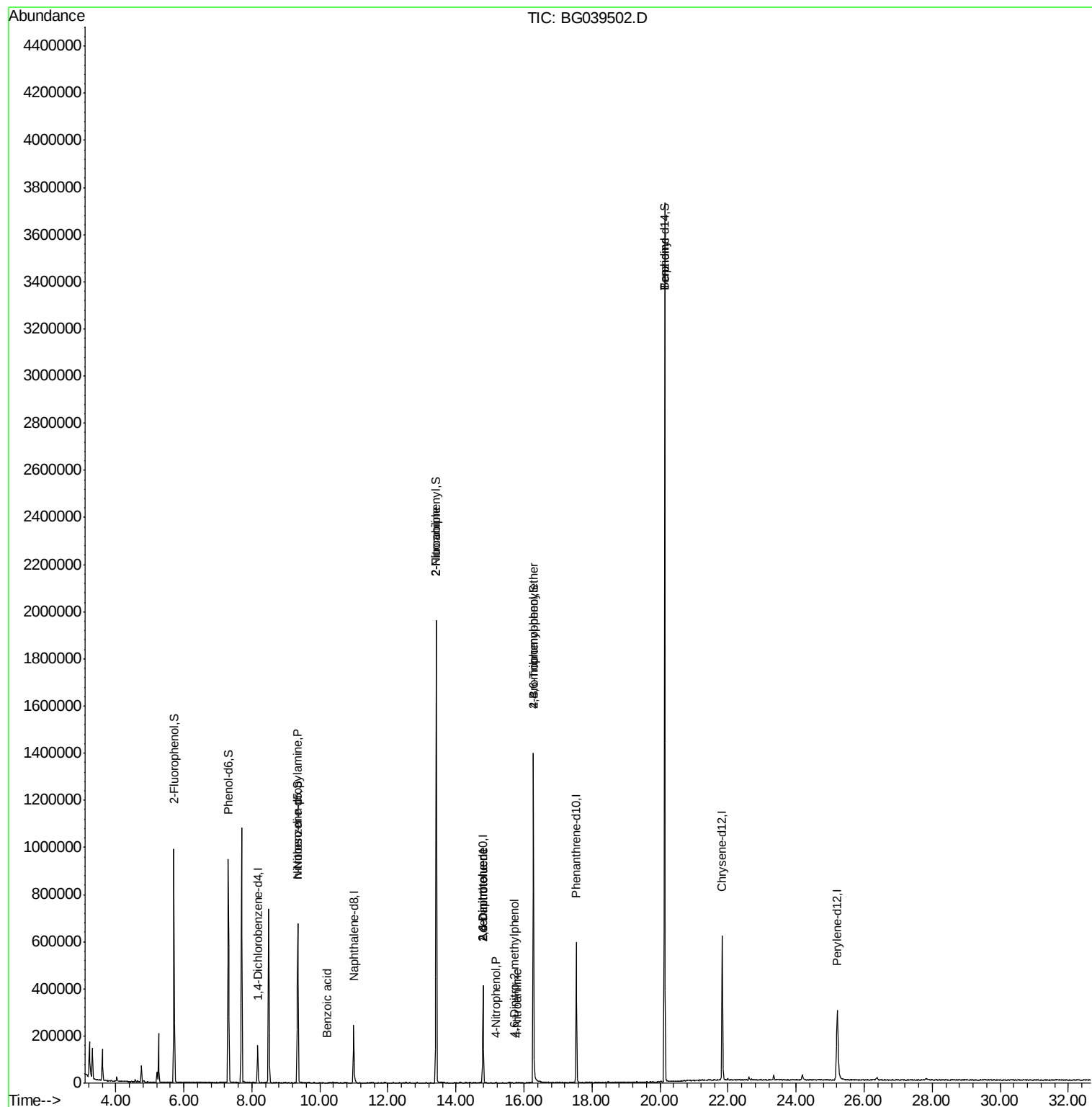
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	920	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.35	70	52240	18.953	ng	# 72
32) Benzoic acid	10.21	122	58	9.046	ng	# 1
48) 2-Nitroaniline	13.42	65	2073	8.933	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	18242	13.528	ng	# 24
56) 4-Nitrophenol	15.18	139	310	5.925	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	18242	13.100	ng	# 19
62) 4-Nitroaniline	15.80	138	56	4.223	ng	# 10
65) 4,6-Dinitro-2-methylphenol	15.72	198	62	4.224	ng	# 32
67) 4-Bromophenyl-phenylether	16.28	248	18344	4.490	ng	# 1
77) Benzidine	20.13	184	30697	2.391	ng	# 95

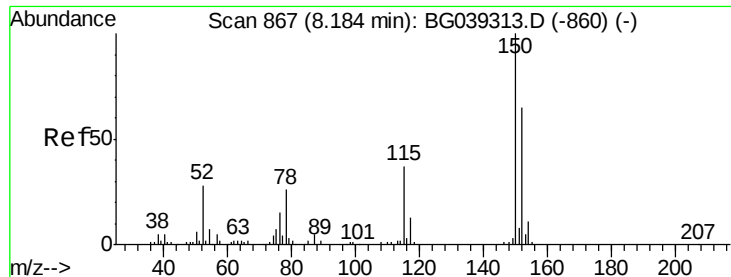
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021319\
Data File : BG039502.D
Acq On : 13 Feb 2019 23:56
Operator : JU/SJ
Sample : K1343-20
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JC-02-021119-J

Quant Time: Feb 14 02:50:05 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



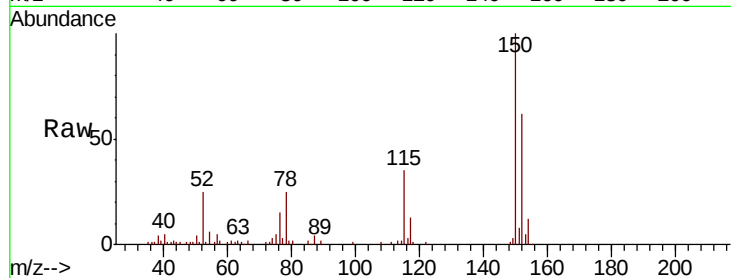


#1

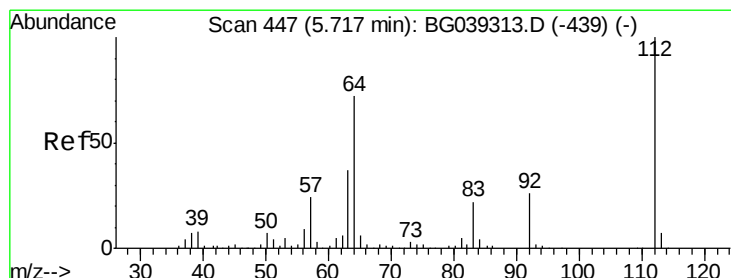
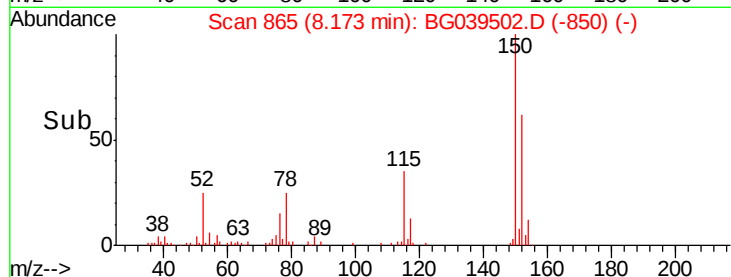
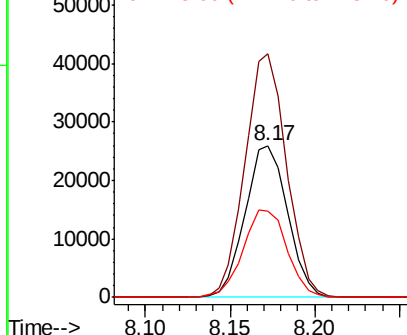
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039502.D
Acq: 13 Feb 2019 23:56

Instrument :
BNA_G
ClientSampleId :
JC-02-021119-J

Tgt Ion:152 Resp: 45153
Ion Ratio Lower Upper
152 100
150 160.8 123.7 185.5
115 57.0 45.9 68.9



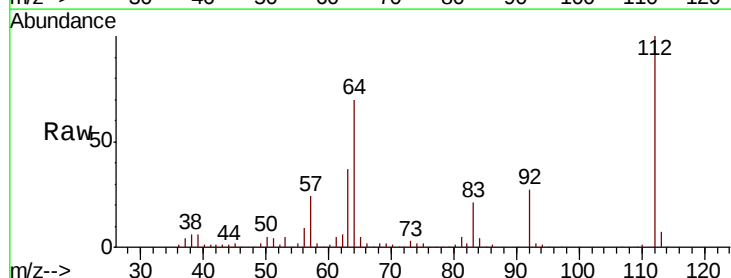
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



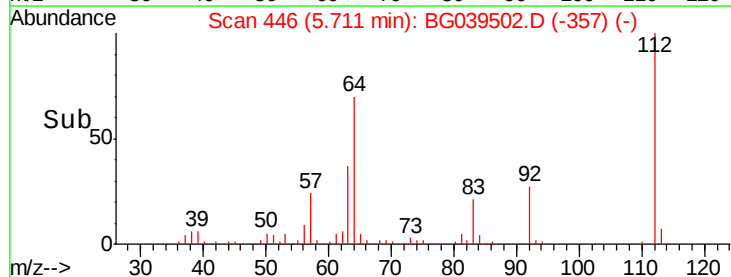
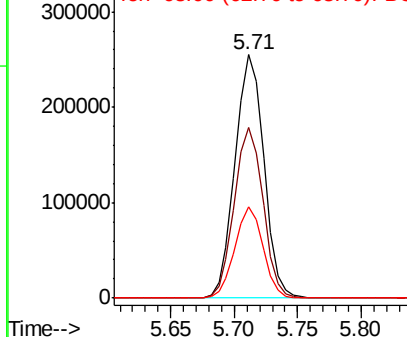
#5

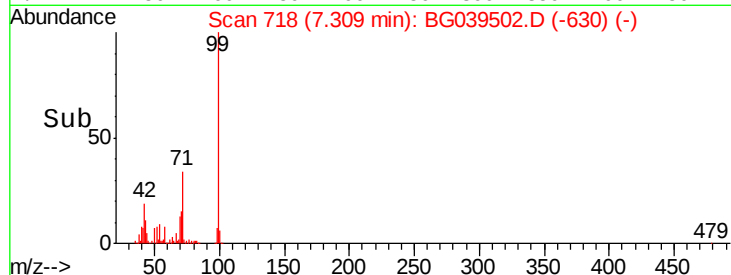
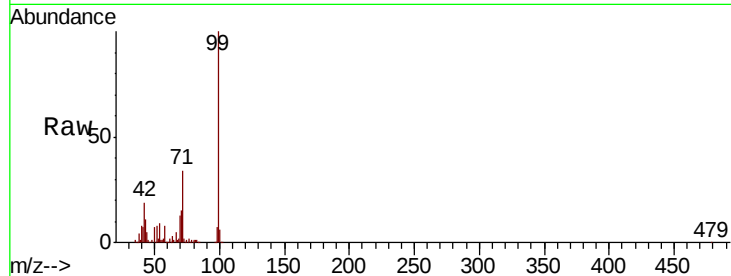
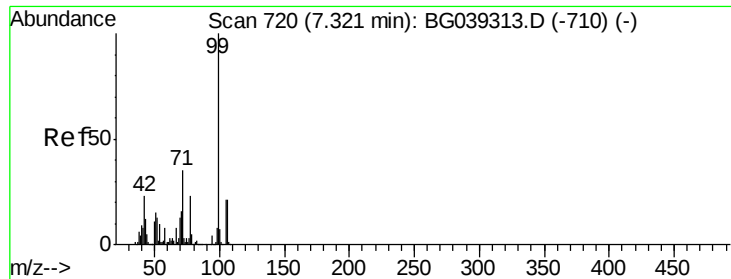
2-Fluorophenol
Concen: 152.592 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039502.D
Acq: 13 Feb 2019 23:56

Tgt Ion:112 Resp: 402567
Ion Ratio Lower Upper
112 100
64 69.9 57.8 86.8
63 37.3 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

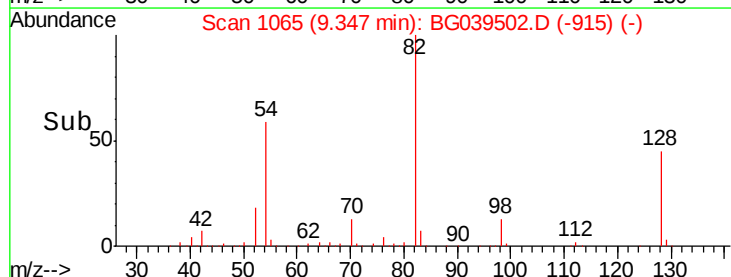
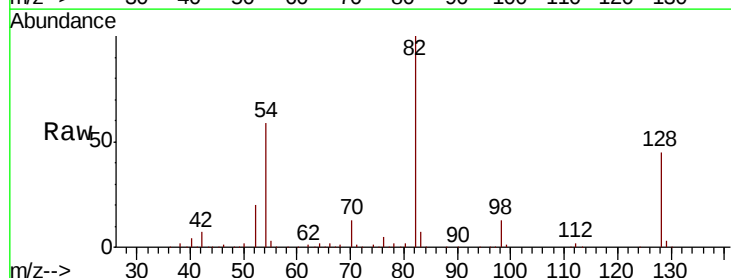
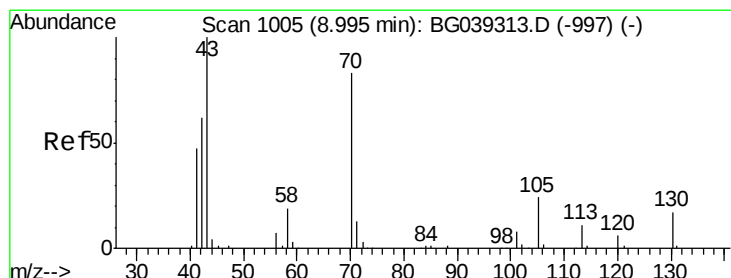
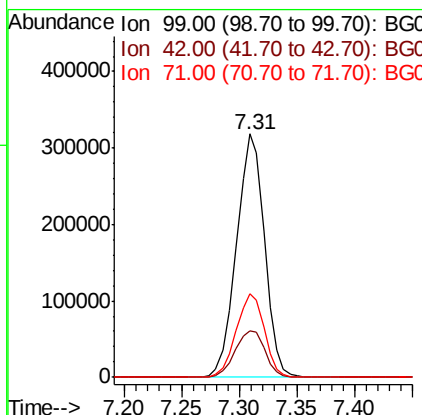




#7
Phenol-d6
Concen: 137.587 ng
RT: 7.31 min Scan# 718
Delta R.T. -0.01 min
Lab File: BG039502.D
Acq: 13 Feb 2019 23:56

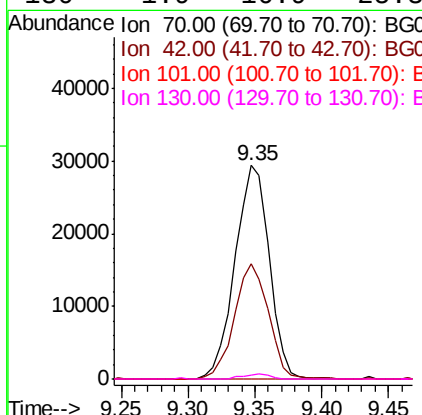
Instrument :
BNA_G
ClientSampleId :
JC-02-021119-J

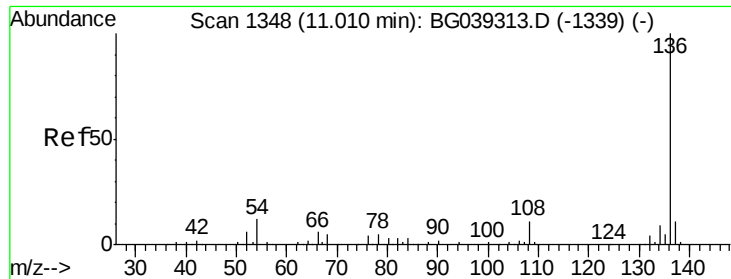
Tgt Ion: 99 Resp: 534299
Ion Ratio Lower Upper
99 100
42 19.3 18.2 27.2
71 34.3 28.0 42.0



#19
n-Nitroso-di-n-propylamine
Concen: 18.953 ng
RT: 9.35 min Scan# 1065
Delta R.T. 0.35 min
Lab File: BG039502.D
Acq: 13 Feb 2019 23:56

Tgt Ion: 70 Resp: 52240
Ion Ratio Lower Upper
70 100
42 53.9 60.4 90.6#
101 0.0 7.5 11.3#
130 1.9 16.9 25.3#

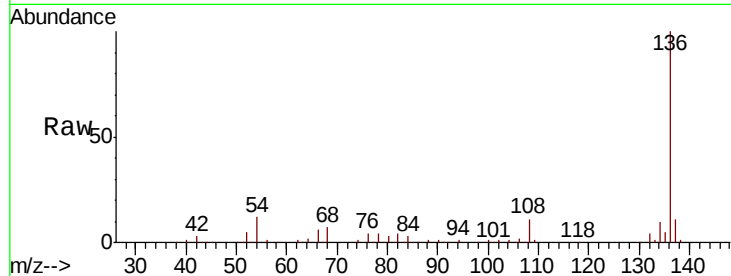




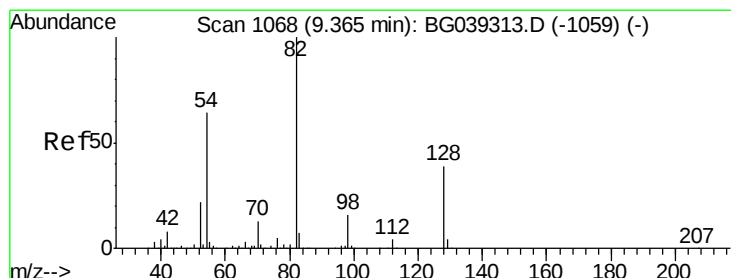
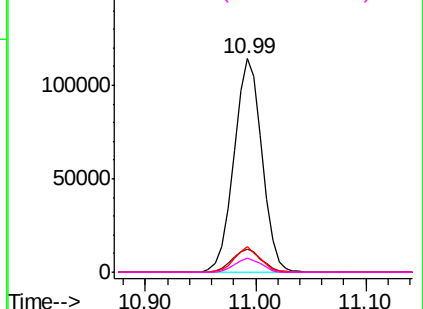
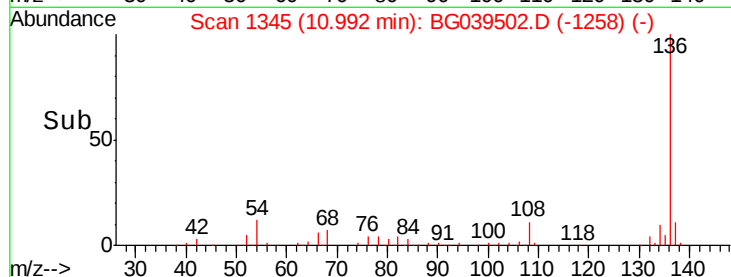
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039502.D
Acq: 13 Feb 2019 23:56

Instrument :
BNA_G
ClientSampleId :
JC-02-021119-J

Tgt Ion:	136	Resp:	202151
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	12.2	9.4	14.2
68	6.8	4.2	6.4#

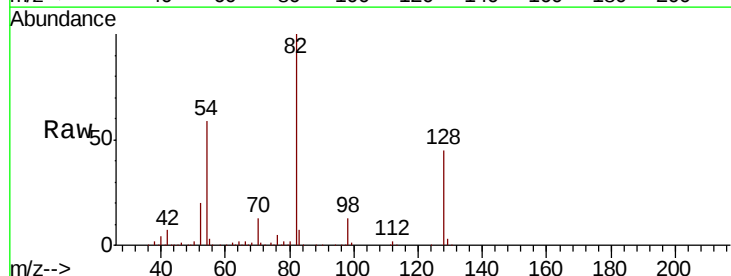


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

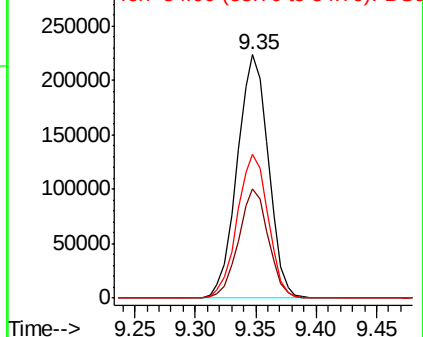
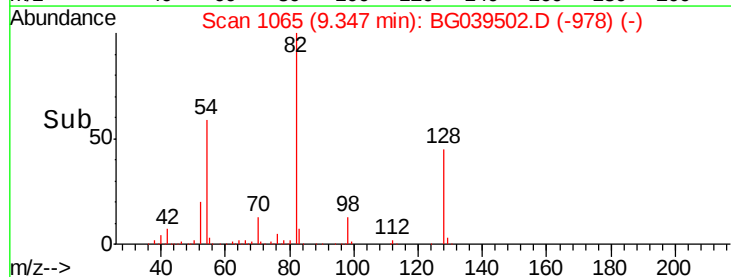


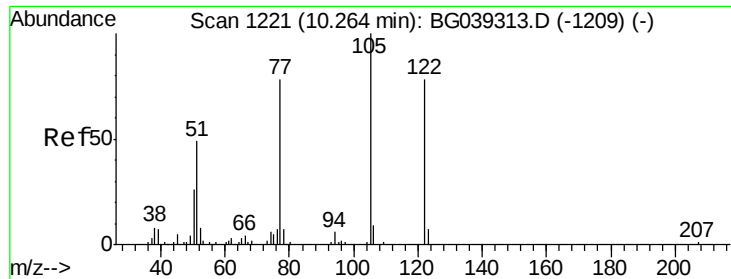
#23
Nitrobenzene-d5
Concen: 124.363 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039502.D
Acq: 13 Feb 2019 23:56

Tgt Ion:	82	Resp:	402424
Ion	Ratio	Lower	Upper
82	100		
128	44.7	31.3	46.9
54	58.9	50.9	76.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 9.046 ng

RT: 10.21 min Scan# 1212

Delta R.T. -0.05 min

Lab File: BG039502.D

Acq: 13 Feb 2019 23:56

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-J

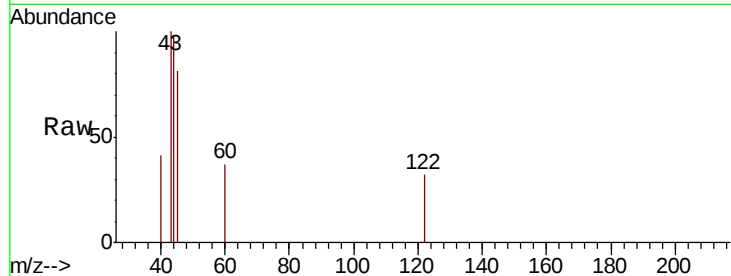
Tgt Ion:122 Resp: 58

Ion Ratio Lower Upper

122 100

105 0.0 101.8 141.8#

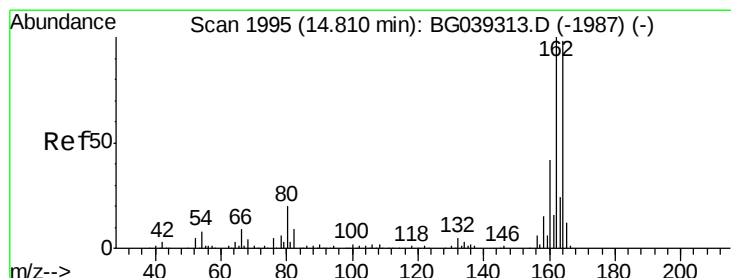
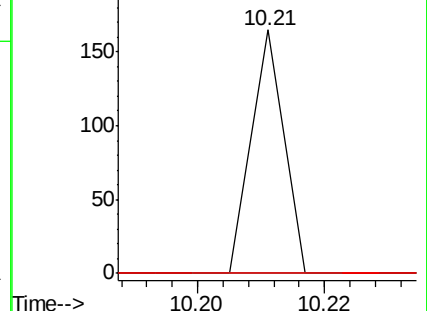
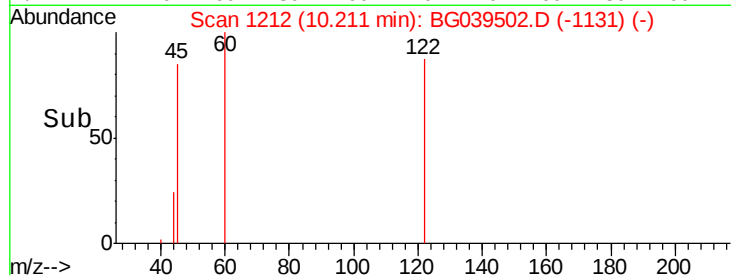
77 0.0 76.3 116.3#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039502.D

Acq: 13 Feb 2019 23:56

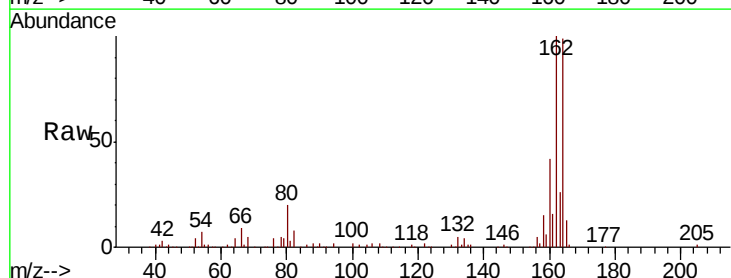
Tgt Ion:164 Resp: 149718

Ion Ratio Lower Upper

164 100

162 100.7 81.6 122.4

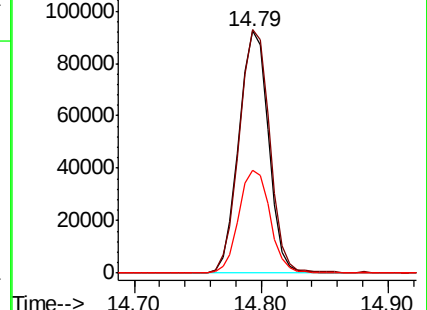
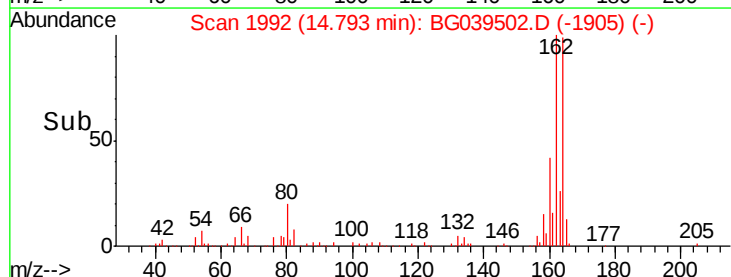
160 42.6 34.2 51.2

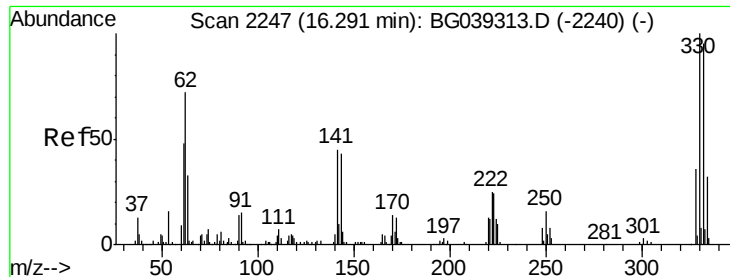


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

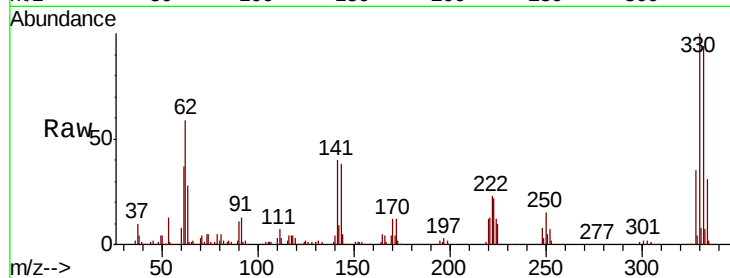




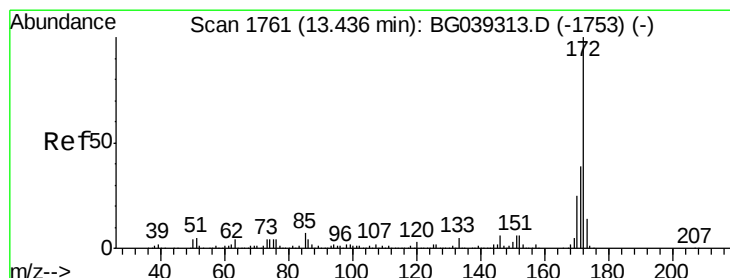
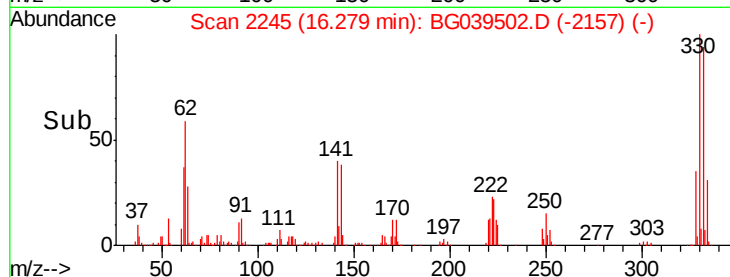
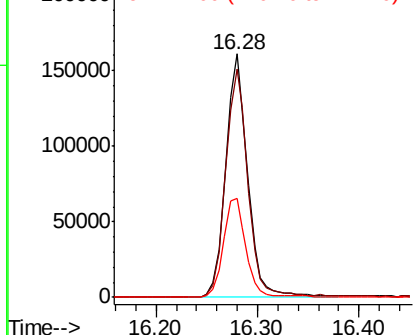
#42
 2,4,6-Tribromophenol
 Concen: 150.106 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.01 min
 Lab File: BG039502.D
 Acq: 13 Feb 2019 23:56

Instrument :
 BNA_G
 ClientSampleId :
 JC-02-021119-J

Tgt Ion:330 Resp: 242002
 Ion Ratio Lower Upper
 330 100
 332 94.8 75.7 113.5
 141 42.1 35.6 53.4

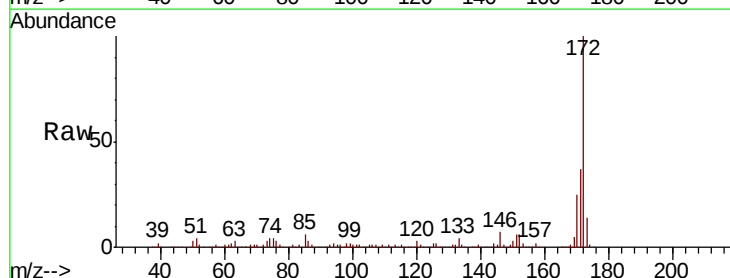


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

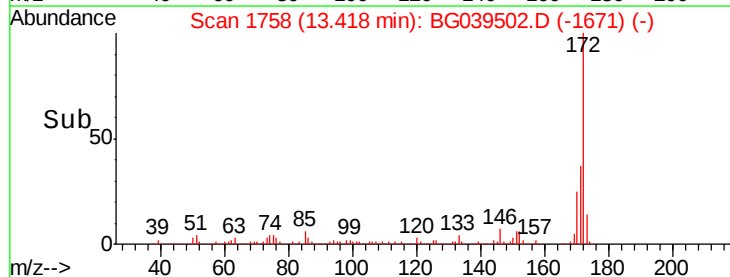
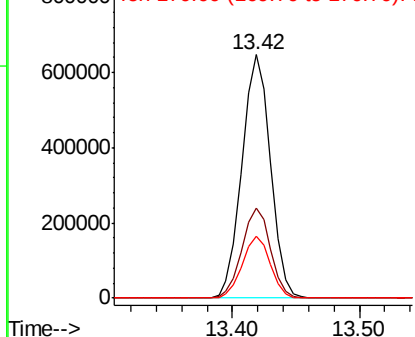


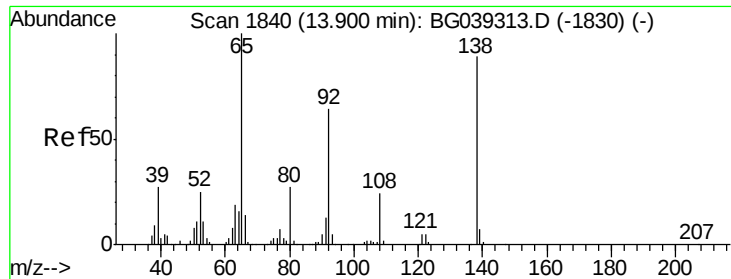
#45
 2-Fluorobiphenyl
 Concen: 97.060 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039502.D
 Acq: 13 Feb 2019 23:56

Tgt Ion:172 Resp: 1012978
 Ion Ratio Lower Upper
 172 100
 171 36.8 30.8 46.2
 170 25.2 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

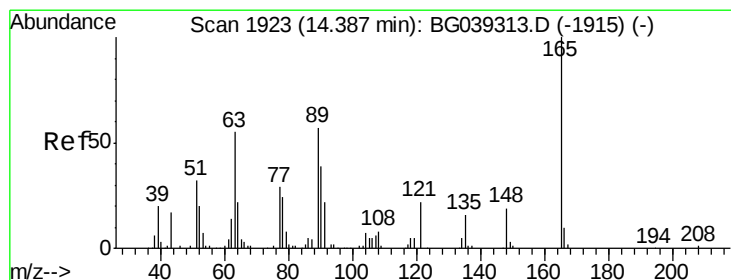
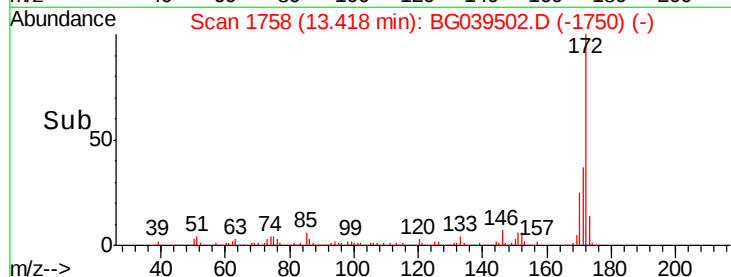
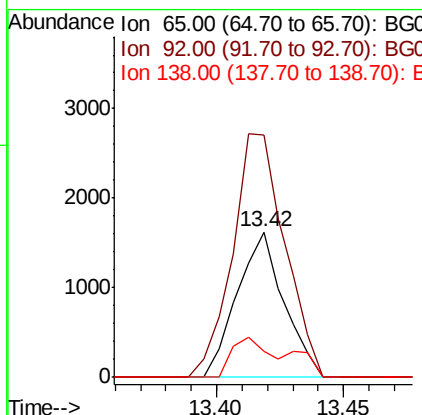
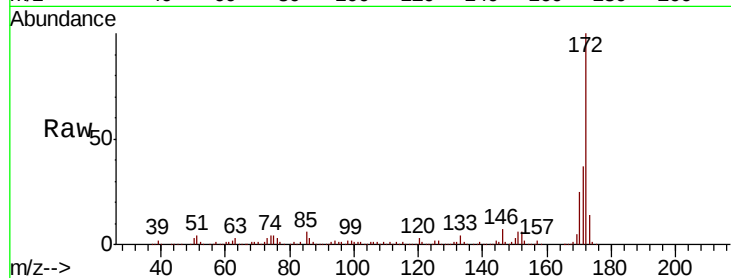




#48
 2-Nitroaniline
 Concen: 8.933 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.48 min
 Lab File: BG039502.D
 Acq: 13 Feb 2019 23:56

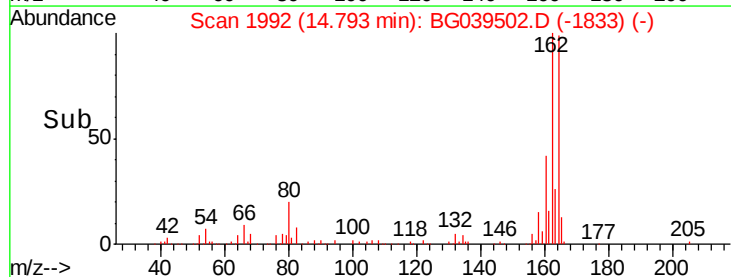
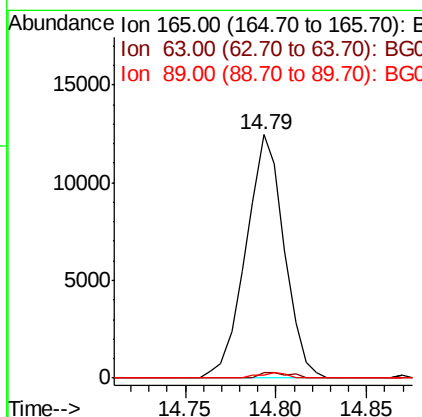
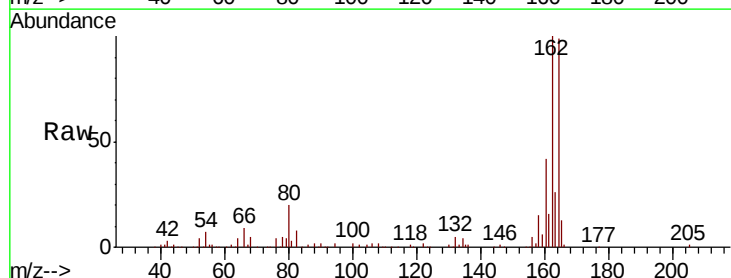
Instrument :
 BNA_G
 ClientSampleId :
 JC-02-021119-J

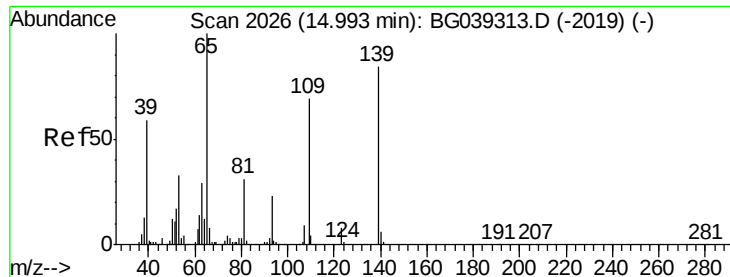
Tgt Ion: 65 Resp: 2073
 Ion Ratio Lower Upper
 65 100
 92 167.0 51.4 77.2#
 138 18.3 71.4 107.2#



#51
 2,6-Dinitrotoluene
 Concen: 13.528 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. 0.41 min
 Lab File: BG039502.D
 Acq: 13 Feb 2019 23:56

Tgt Ion: 165 Resp: 18242
 Ion Ratio Lower Upper
 165 100
 63 2.3 47.0 70.6#
 89 1.4 45.8 68.8#





#56

4-Nitrophenol

Concen: 5.925 ng

RT: 15.18 min Scan# 2058

Delta R.T. 0.19 min

Lab File: BG039502.D

Acq: 13 Feb 2019 23:56

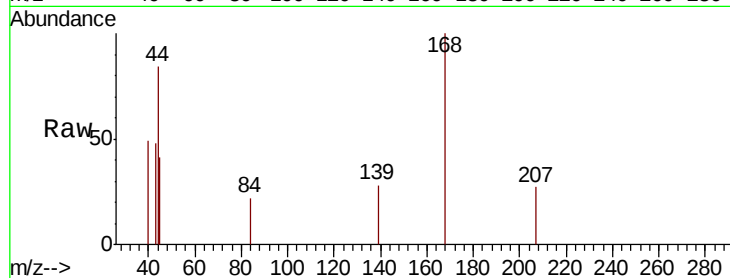
Instrument :

BNA_G

ClientSampleId :

JC-02-021119-J

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



Abundance

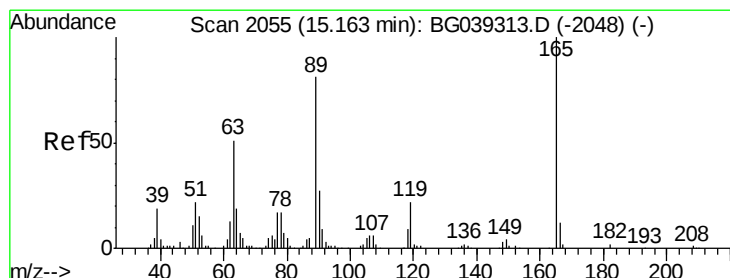
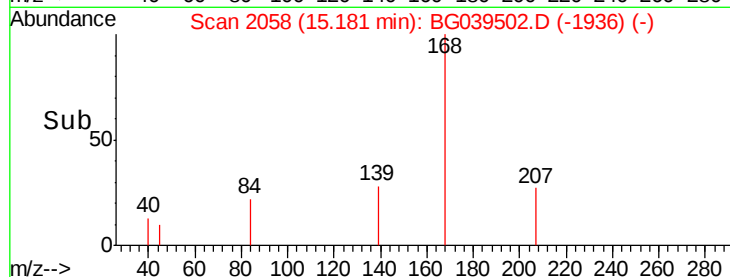
Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

15.18

Time-->



#57

2,4-Dinitrotoluene

Concen: 13.100 ng

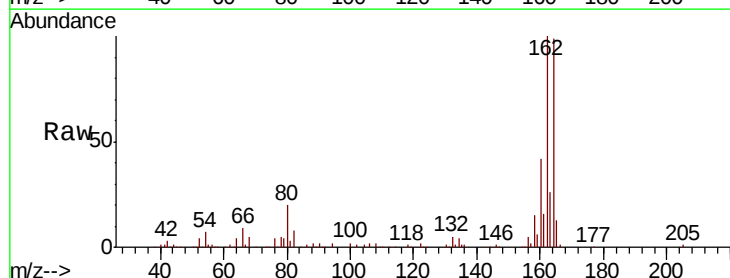
RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039502.D

Acq: 13 Feb 2019 23:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	41.0	61.6#
89	1.4	64.6	96.8#
182	0.0	2.0	3.0#



Abundance

Ion 165.00 (164.70 to 165.70): E

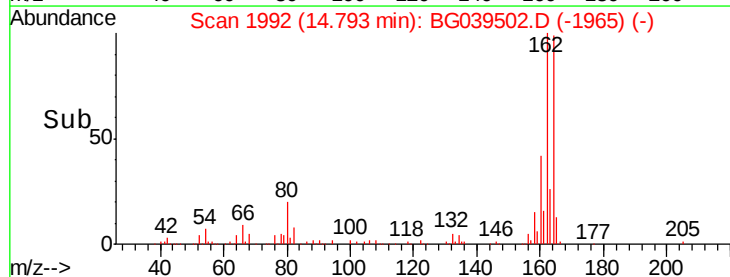
Ion 63.00 (62.70 to 63.70): BGC

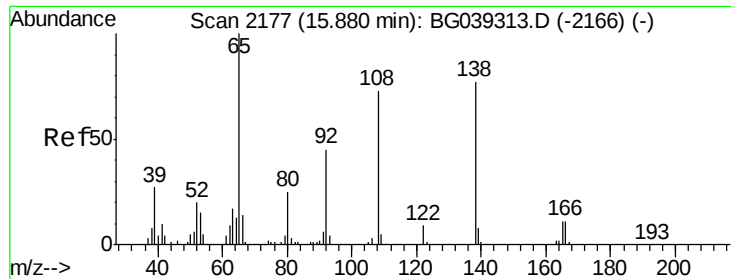
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

14.79

Time-->

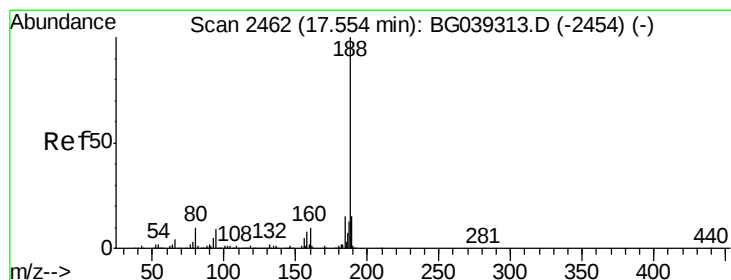
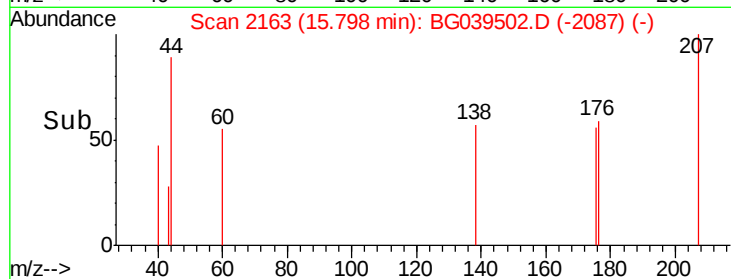
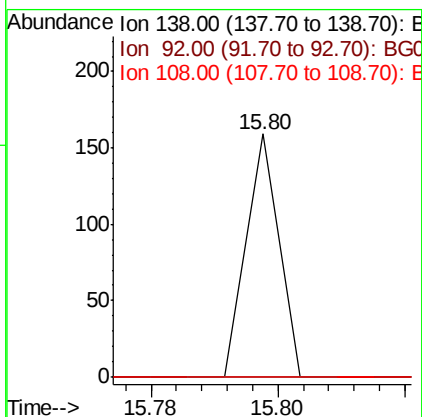
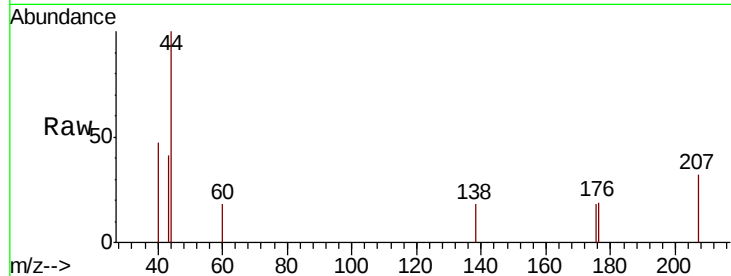




#62
4-Nitroaniline
Concen: 4.223 ng
RT: 15.80 min Scan# 2163
Delta R.T. -0.08 min
Lab File: BG039502.D
Acq: 13 Feb 2019 23:56

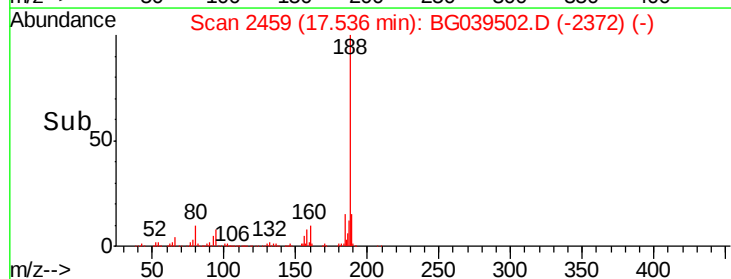
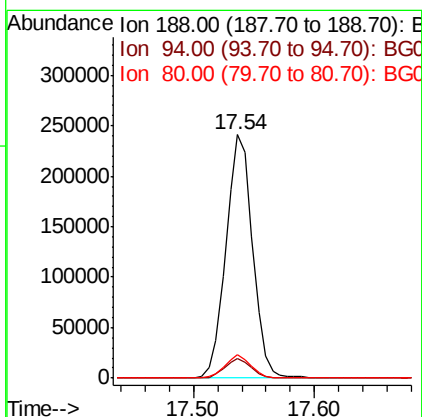
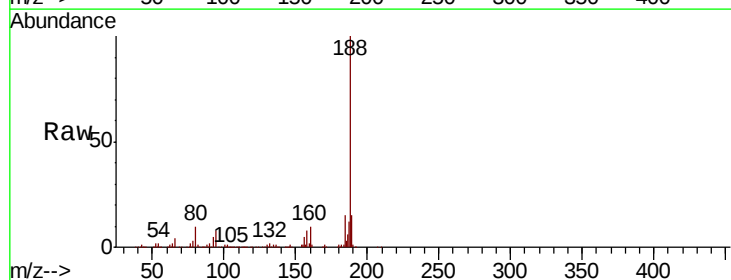
Instrument :
BNA_G
ClientSampleId :
JC-02-021119-J

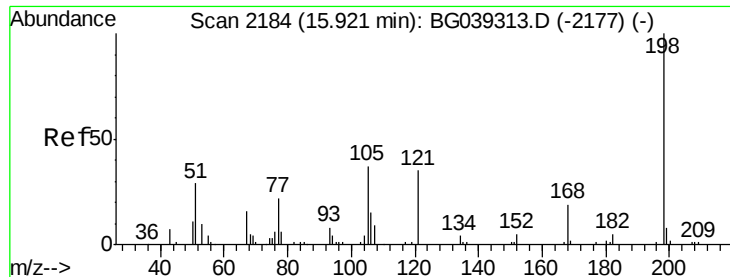
Tgt Ion:138 Resp: 56
Ion Ratio Lower Upper
138 100
92 0.0 38.7 78.7#
108 0.0 74.6 114.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.54 min Scan# 2459
Delta R.T. -0.02 min
Lab File: BG039502.D
Acq: 13 Feb 2019 23:56

Tgt Ion:188 Resp: 368229
Ion Ratio Lower Upper
188 100
94 7.8 6.9 10.3
80 9.8 8.1 12.1

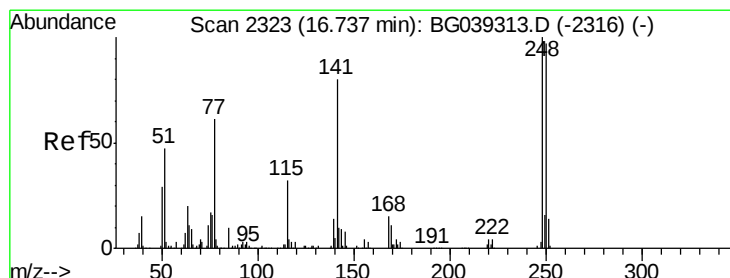
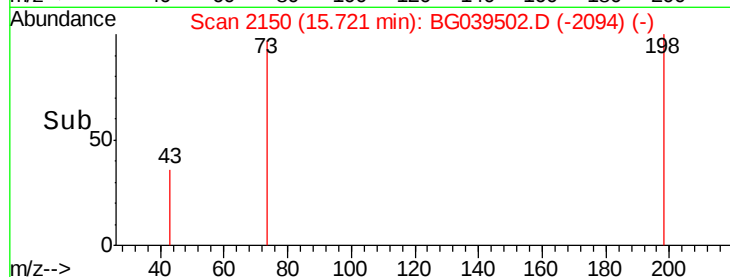
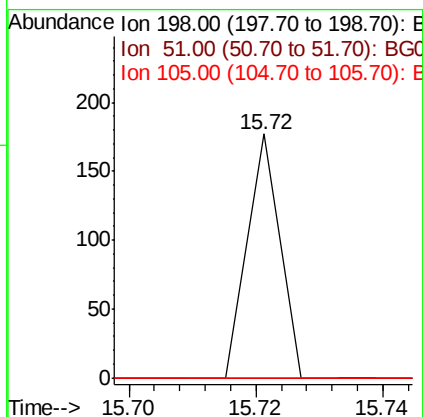
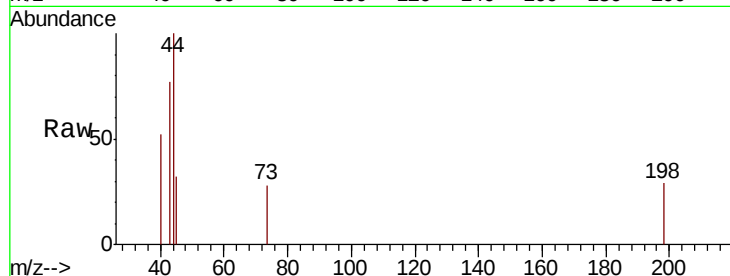




#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.224 ng
 RT: 15.72 min Scan# 2150
 Delta R.T. -0.20 min
 Lab File: BG039502.D
 Acq: 13 Feb 2019 23:56

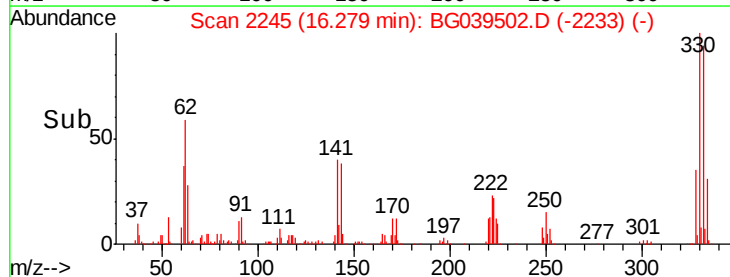
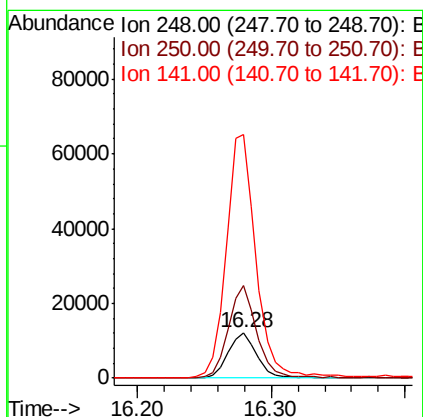
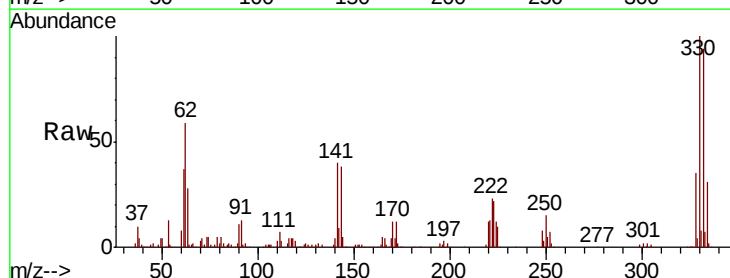
Instrument :
 BNA_G
 ClientSampleId :
 JC-02-021119-J

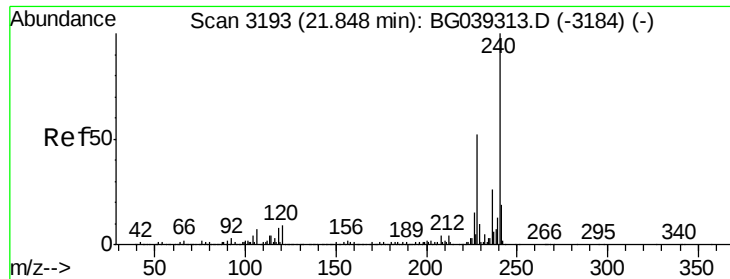
Tgt Ion:198 Resp: 62
 Ion Ratio Lower Upper
 198 100
 51 0.0 27.4 67.4#
 105 0.0 19.7 59.7#



#67
 4-Bromophenyl-phenylether
 Concen: 4.490 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039502.D
 Acq: 13 Feb 2019 23:56

Tgt Ion:248 Resp: 18344
 Ion Ratio Lower Upper
 248 100
 250 202.8 77.6 116.4#
 141 535.7 63.9 95.9#

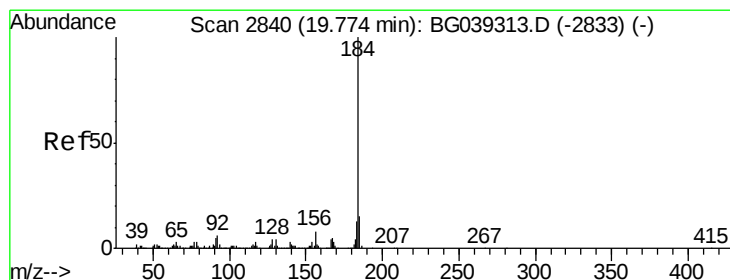
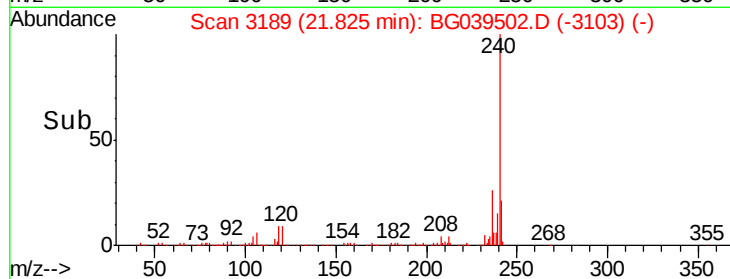
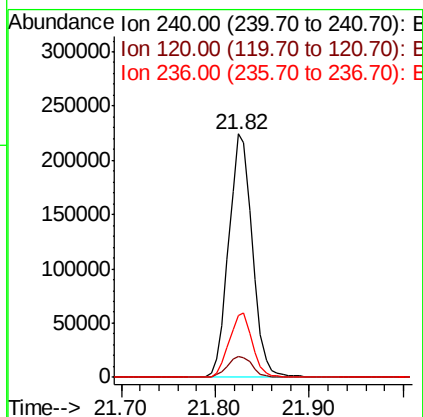
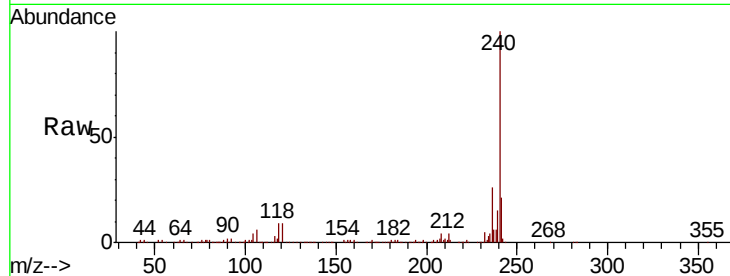




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3189
Delta R.T. -0.02 min
Lab File: BG039502.D
Acq: 13 Feb 2019 23:56

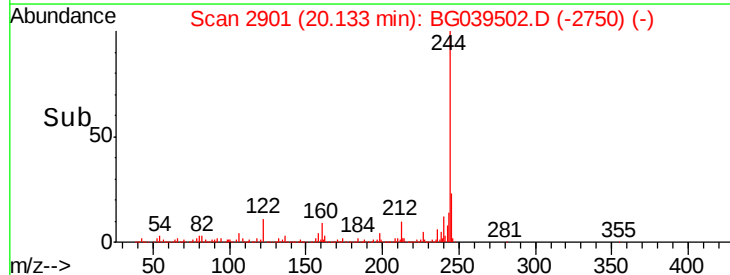
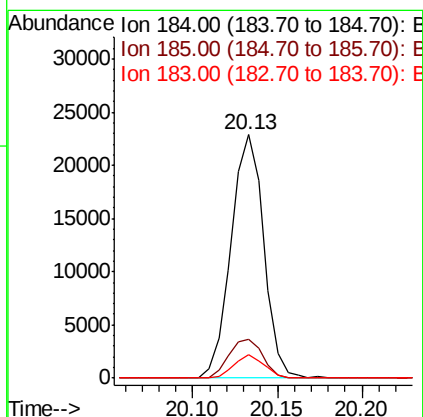
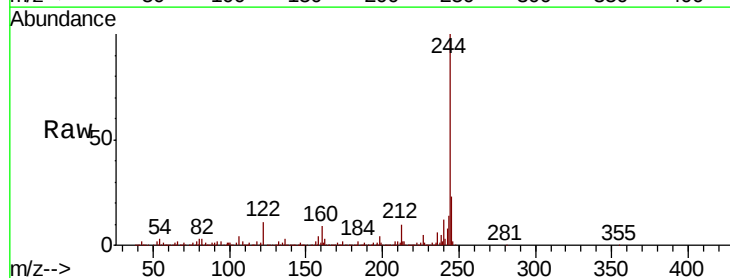
Instrument :
BNA_G
ClientSampleId :
JC-02-021119-J

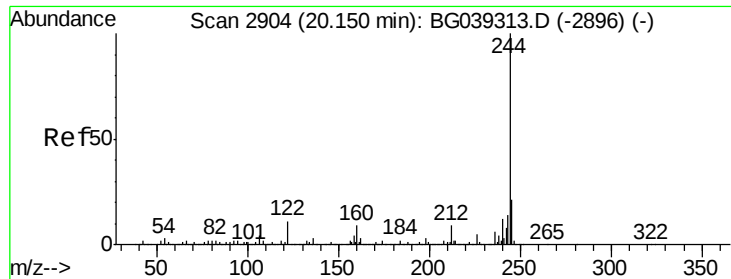
Tgt Ion:240 Resp: 391531
Ion Ratio Lower Upper
240 100
120 8.5 7.0 10.6
236 25.6 21.0 31.4



#77
Benzidine
Concen: 2.391 ng
RT: 20.13 min Scan# 2901
Delta R.T. 0.36 min
Lab File: BG039502.D
Acq: 13 Feb 2019 23:56

Tgt Ion:184 Resp: 30697
Ion Ratio Lower Upper
184 100
185 15.9 12.2 18.2
183 9.5 10.6 15.8#





#79

Terphenyl-d14

Concen: 92.063 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039502.D

Acq: 13 Feb 2019 23:56

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-J

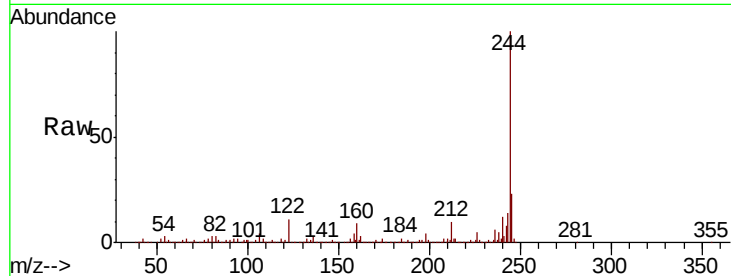
Tgt Ion:244 Resp: 1702915

Ion Ratio Lower Upper

244 100

212 9.9 7.3 10.9

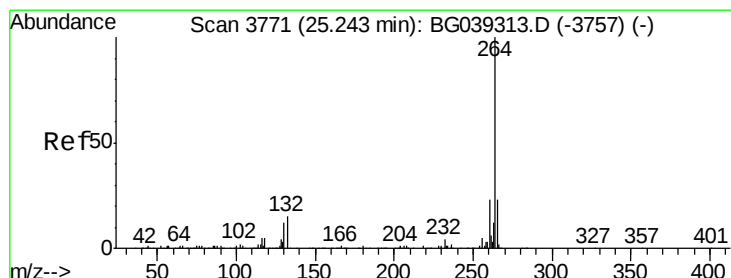
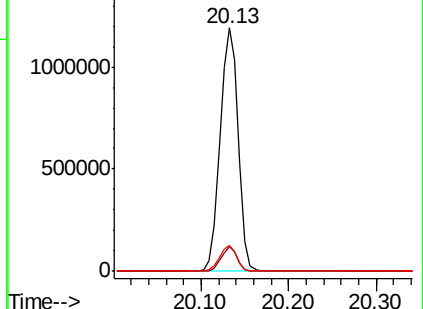
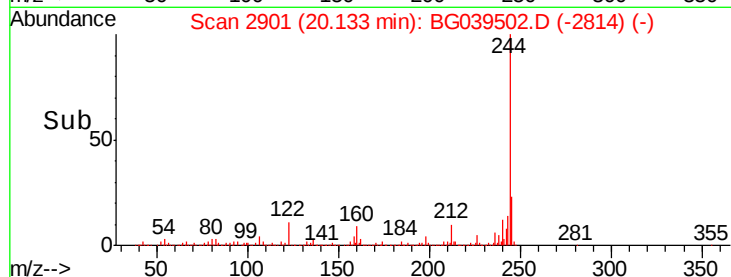
122 10.7 8.4 12.6



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: BG039502.D

Acq: 13 Feb 2019 23:56

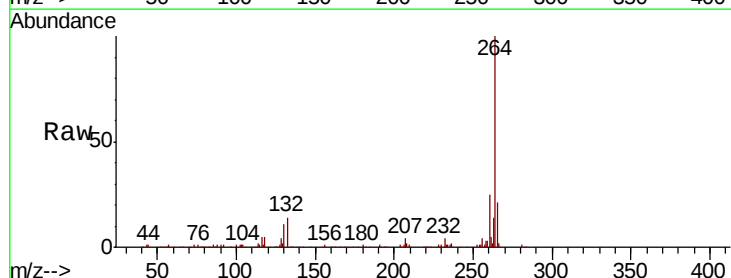
Tgt Ion:264 Resp: 379220

Ion Ratio Lower Upper

264 100

260 24.9 18.2 27.4

265 20.6 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

