

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021319\
 Data File : BG039500.D
 Acq On : 13 Feb 2019 22:36
 Operator : JU/SJ
 Sample : K1343-16
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Feb 14 02:49:40 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	48095	20.00	ng	-0.01
21) Naphthalene-d8	11.00	136	211690	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	154741	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	382323	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	400947	20.00	ng	-0.02
87) Perylene-d12	25.21	264	386840	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	427180	152.02	ng	0.00
7) Phenol-d6	7.31	99	577357	139.58	ng	0.00
23) Nitrobenzene-d5	9.35	82	425813	125.66	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	257437	154.50	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	1060849	98.35	ng	-0.01
79) Terphenyl-d14	20.13	244	1748551	92.31	ng	-0.02

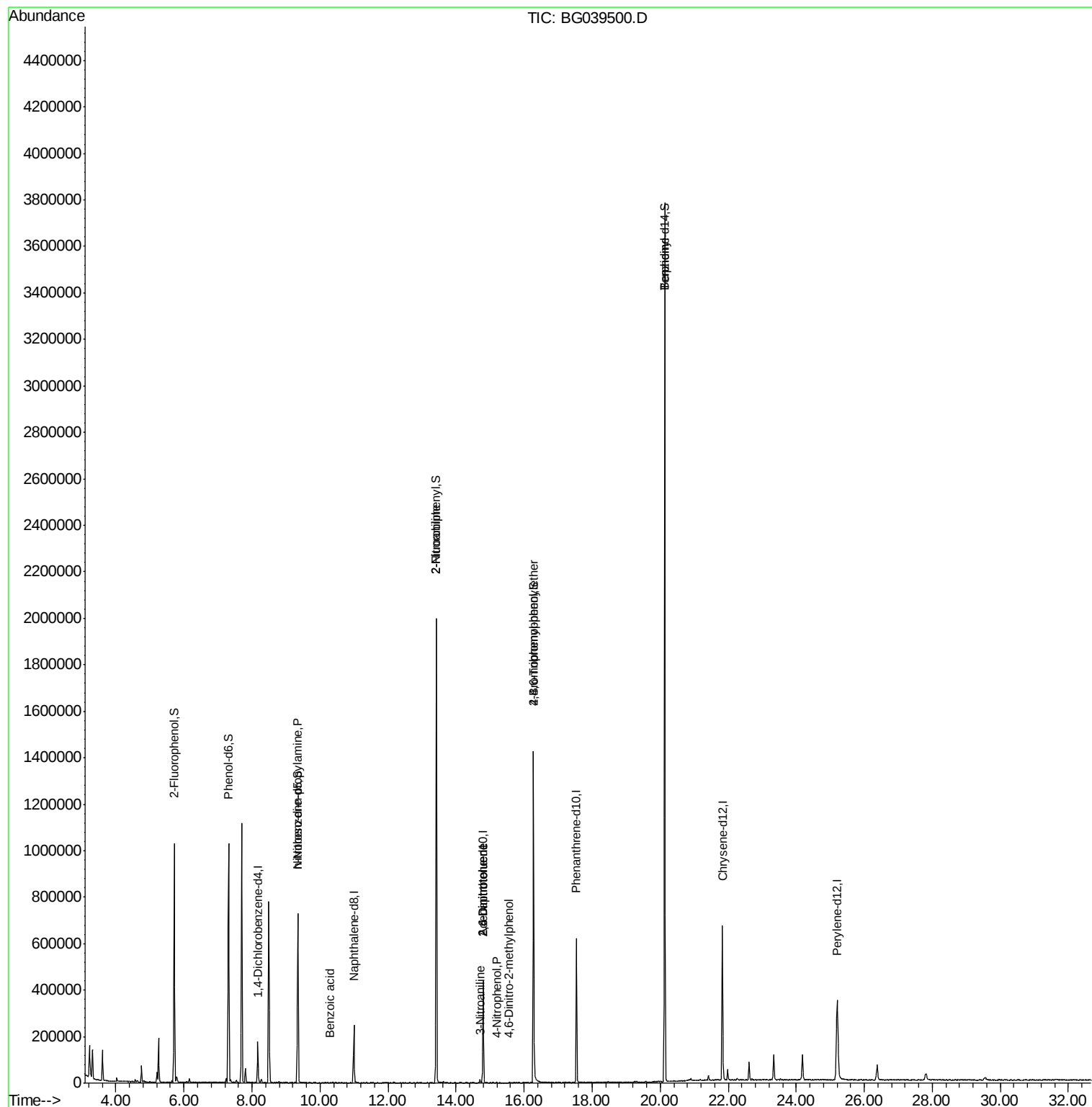
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1692	Below Cal		# 9
19) n-Nitroso-di-n-propylamine	9.35	70	55116	18.774	ng	# 69
32) Benzoic acid	10.28	122	55	9.043	ng	# 1
48) 2-Nitroaniline	13.42	65	1915	8.866	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	20059	13.973	ng	# 23
53) 3-Nitroaniline	14.71	138	56	5.812	ng	# 1
56) 4-Nitrophenol	15.20	139	376	5.948	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	20059	13.437	ng	# 18
65) 4,6-Dinitro-2-methylphenol	15.57	198	57	4.218	ng	# 32
67) 4-Bromophenyl-phenylether	16.28	248	19680	4.640	ng	# 1
77) Benzidine	20.13	184	32457	2.469	ng	# 91

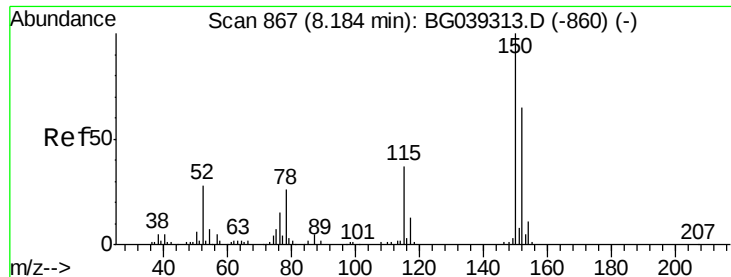
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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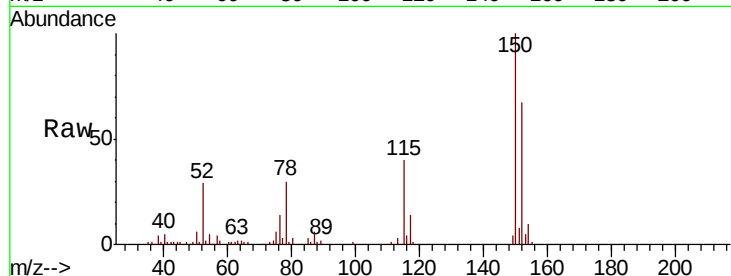


#1

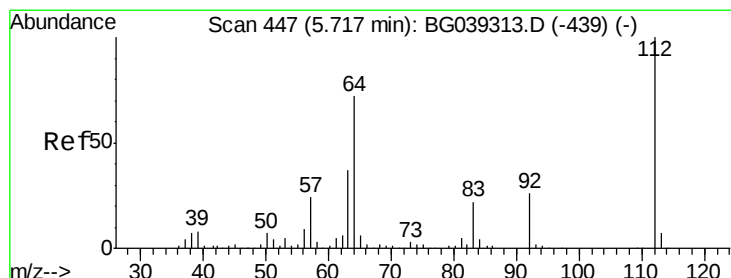
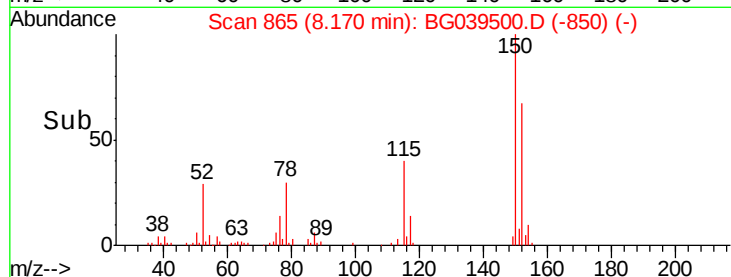
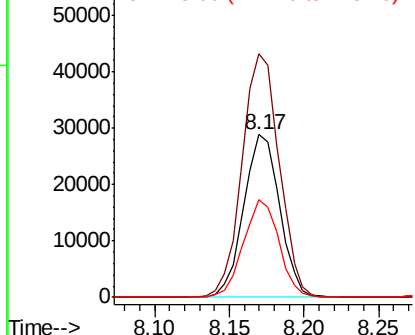
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039500.D
Acq: 13 Feb 2019 22:36

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

Tgt Ion:152 Resp: 48095
Ion Ratio Lower Upper
152 100
150 149.7 123.7 185.5
115 60.3 45.9 68.9



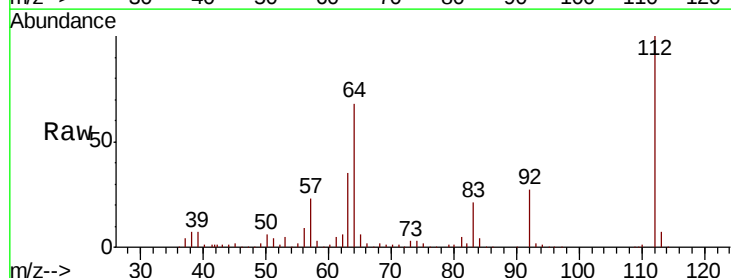
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



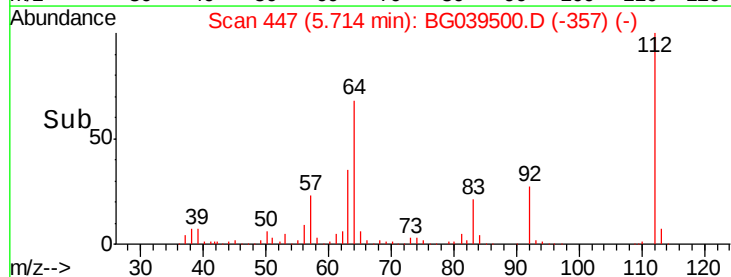
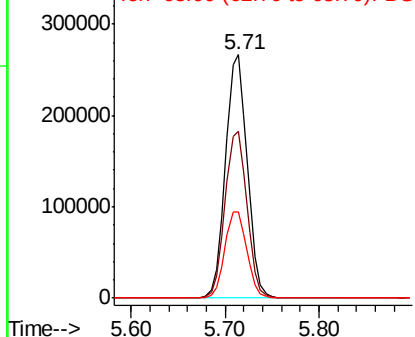
#5

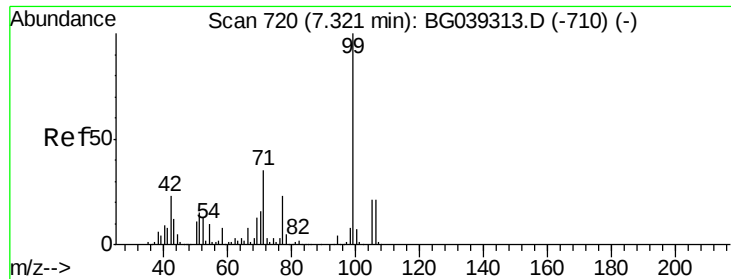
2-Fluorophenol
Concen: 152.016 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039500.D
Acq: 13 Feb 2019 22:36

Tgt Ion:112 Resp: 427180
Ion Ratio Lower Upper
112 100
64 68.4 57.8 86.8
63 35.2 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: 139.580 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039500.D

Acq: 13 Feb 2019 22:36

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-H

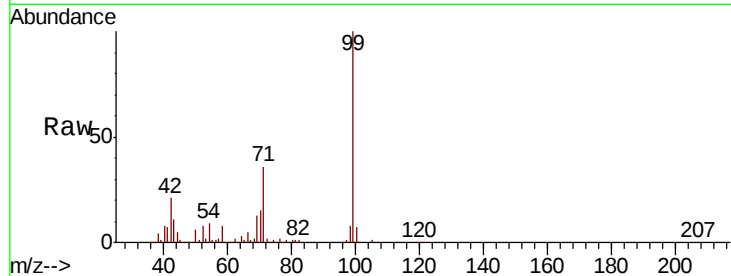
Tgt Ion: 99 Resp: 577357

Ion Ratio Lower Upper

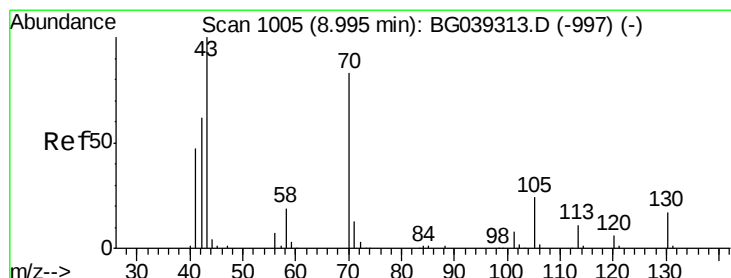
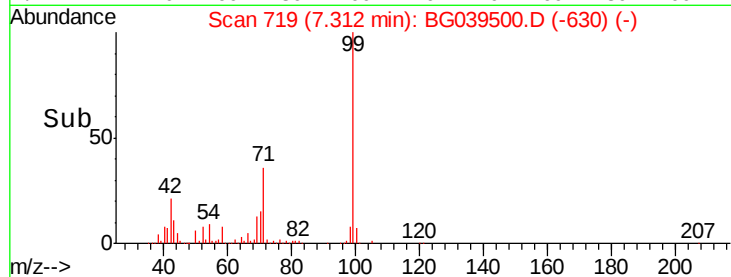
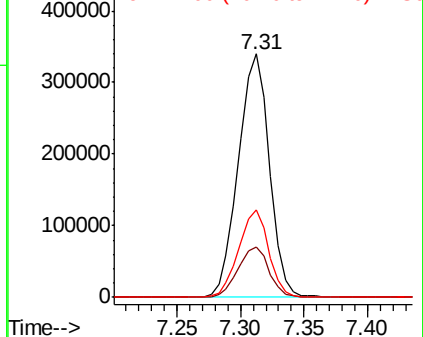
99 100

42 20.8 18.2 27.2

71 36.0 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



#19

n-Nitroso-di-n-propylamine

Concen: 18.774 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039500.D

Acq: 13 Feb 2019 22:36

Tgt Ion: 70 Resp: 55116

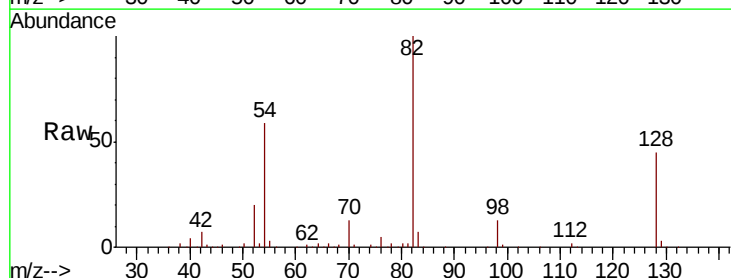
Ion Ratio Lower Upper

70 100

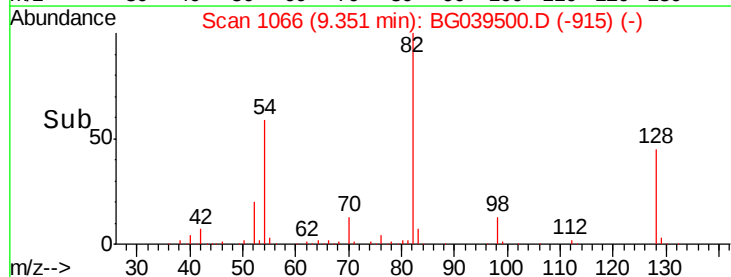
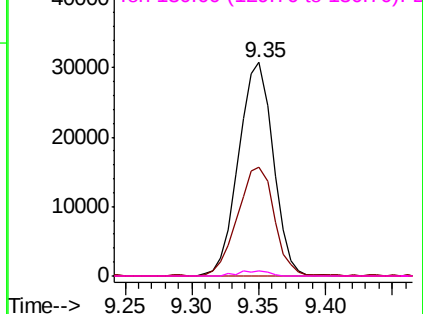
42 50.8 60.4 90.6#

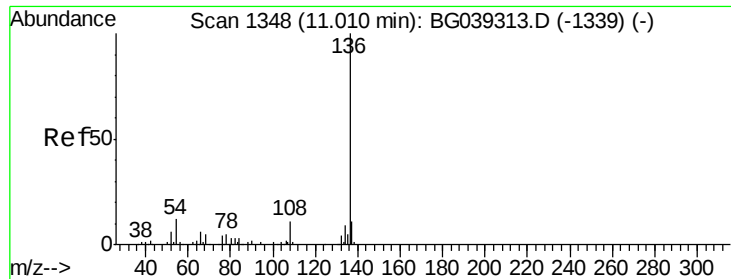
101 0.0 7.5 11.3#

130 2.5 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

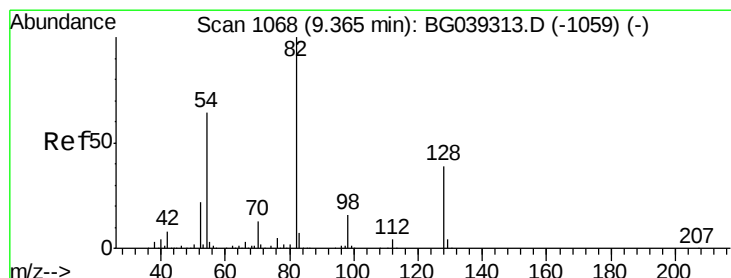
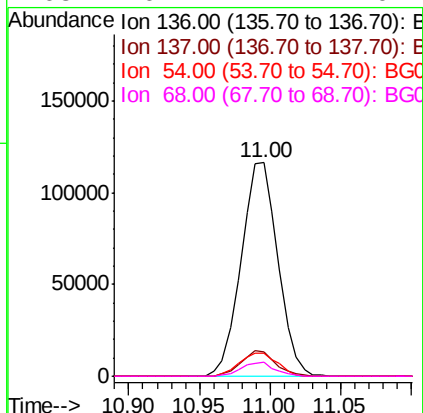
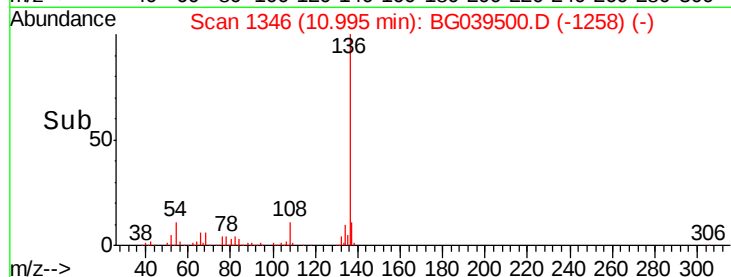
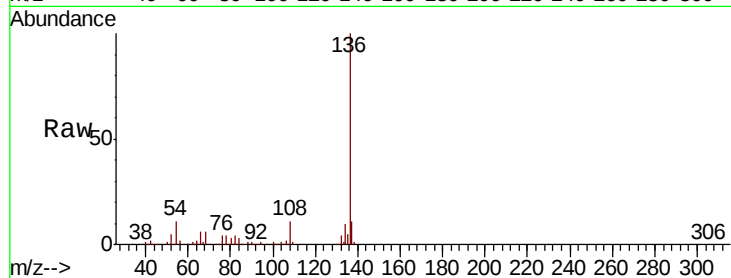




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039500.D
Acq: 13 Feb 2019 22:36

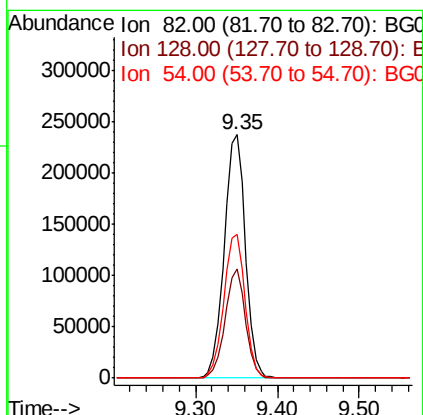
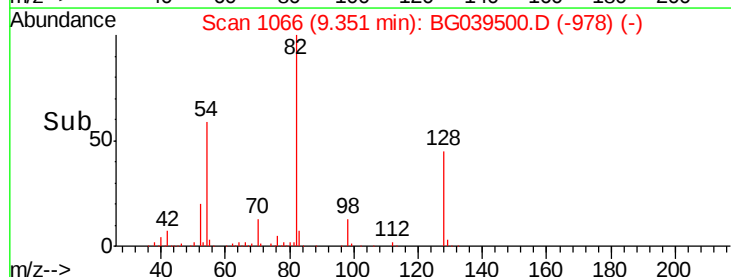
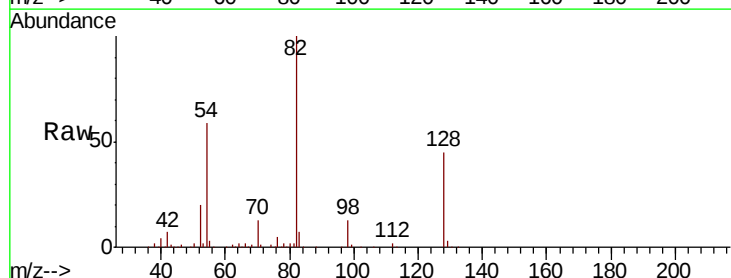
Instrument :
BNA_G
ClientSampleId :
JC-02-021119-H

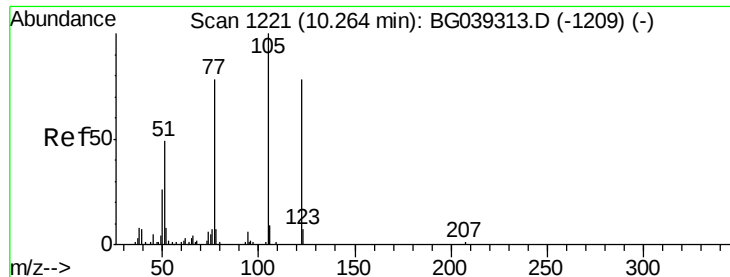
Tgt Ion:	136	Resp:	211690
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	10.9	9.4	14.2
68	6.4	4.2	6.4#



#23
Nitrobenzene-d5
Concen: 125.661 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039500.D
Acq: 13 Feb 2019 22:36

Tgt Ion:	82	Resp:	425813
Ion	Ratio	Lower	Upper
82	100		
128	45.1	31.3	46.9
54	59.1	50.9	76.3





#32

Benzoic acid

Concen: 9.043 ng

RT: 10.28 min Scan# 1225

Delta R.T. 0.02 min

Lab File: BG039500.D

Acq: 13 Feb 2019 22:36

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-H

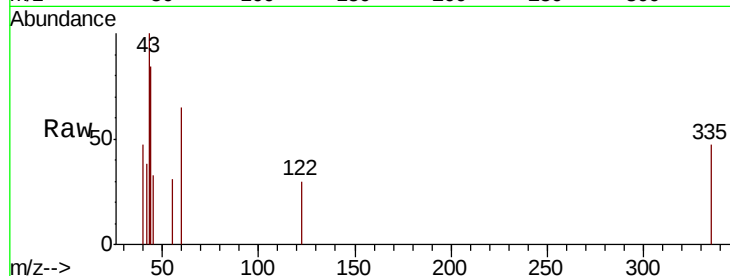
Tgt Ion:122 Resp: 55

Ion Ratio Lower Upper

122 100

105 0.0 101.8 141.8#

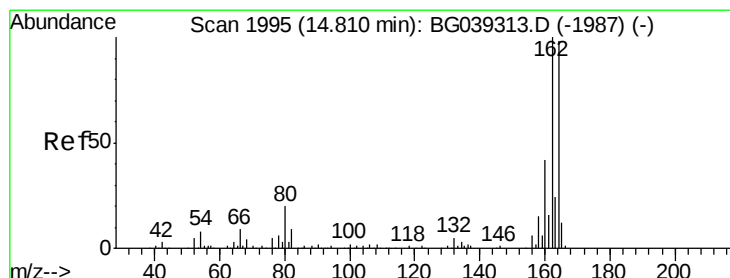
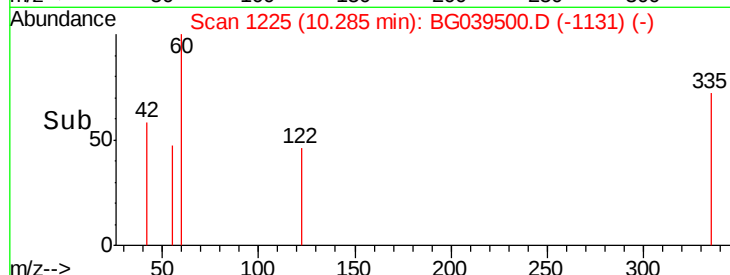
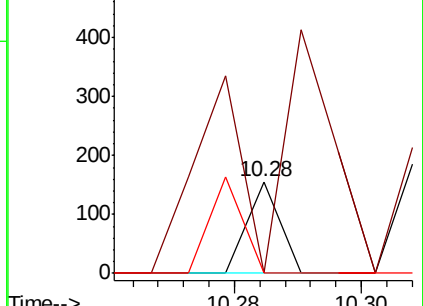
77 0.0 76.3 116.3#



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): BG



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039500.D

Acq: 13 Feb 2019 22:36

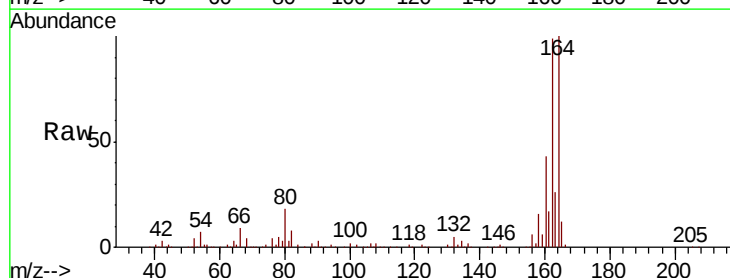
Tgt Ion:164 Resp: 154741

Ion Ratio Lower Upper

164 100

162 99.3 81.6 122.4

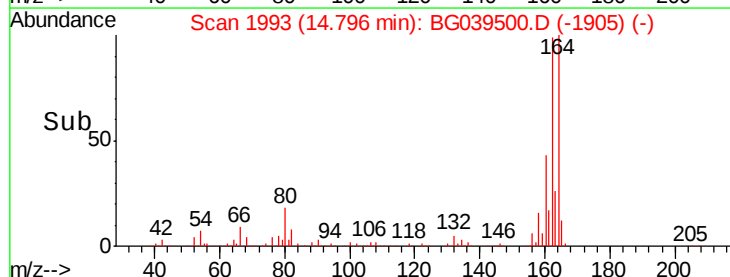
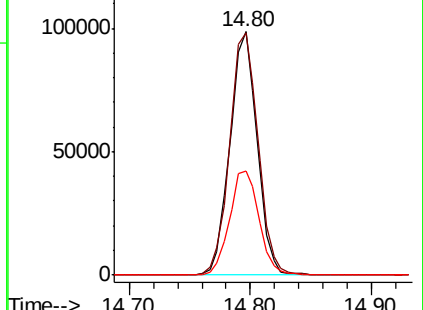
160 42.8 34.2 51.2

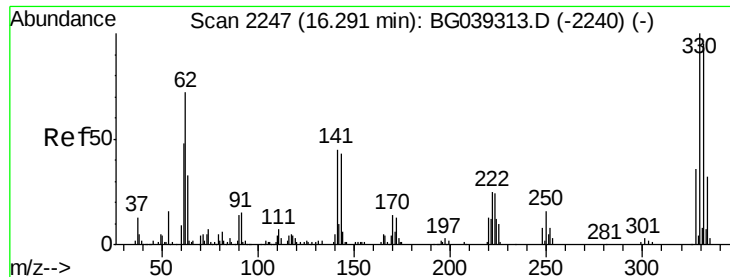


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 154.497 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039500.D

Acq: 13 Feb 2019 22:36

Instrument :

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ClientSampleId :

JC-02-021119-H

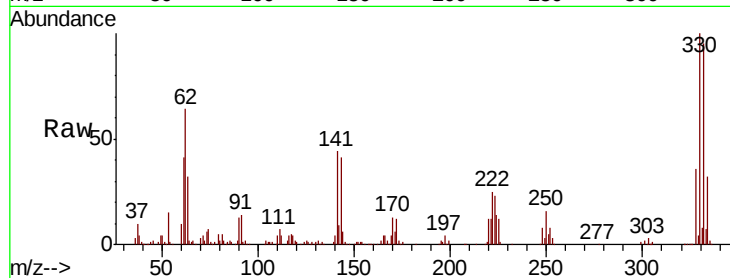
Tgt Ion:330 Resp: 257437

Ion Ratio Lower Upper

330 100

332 95.2 75.7 113.5

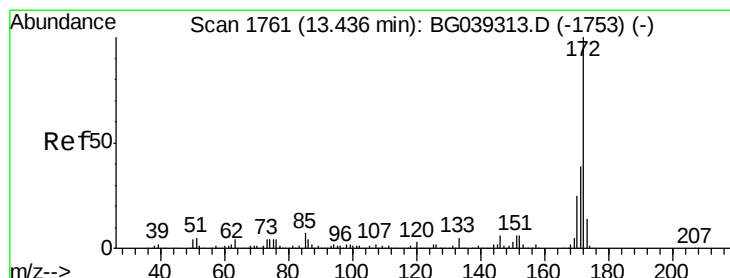
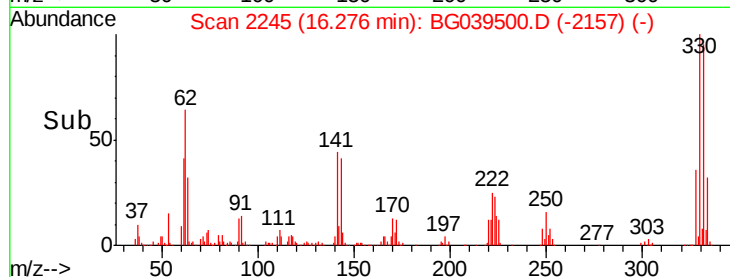
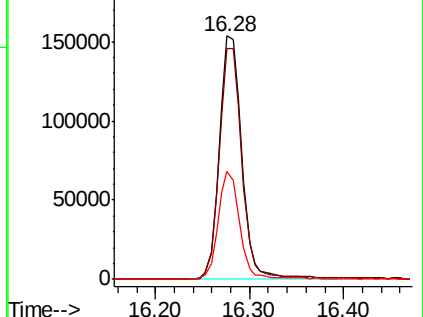
141 42.8 35.6 53.4



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: 98.348 ng

RT: 13.42 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BG039500.D

Acq: 13 Feb 2019 22:36

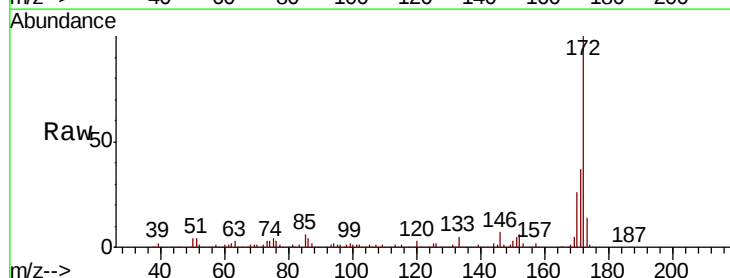
Tgt Ion:172 Resp: 1060849

Ion Ratio Lower Upper

172 100

171 37.4 30.8 46.2

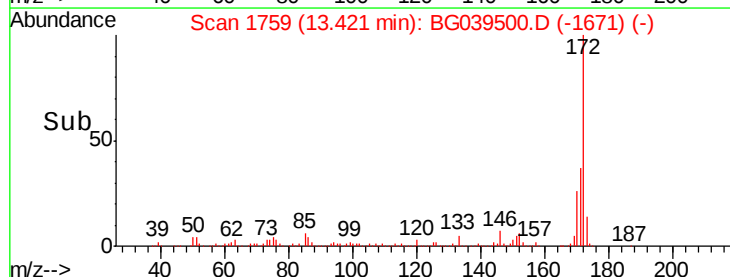
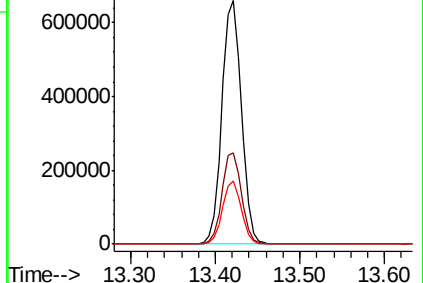
170 25.7 20.2 30.4

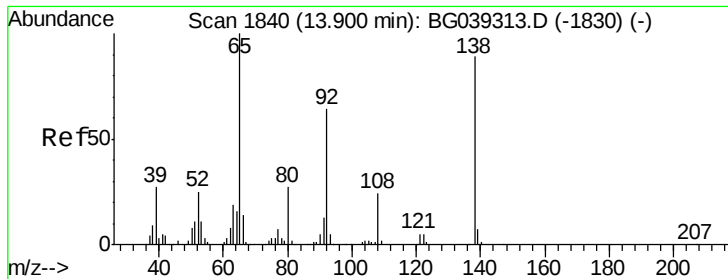


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

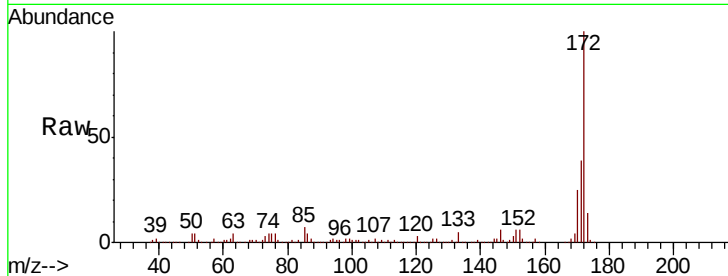




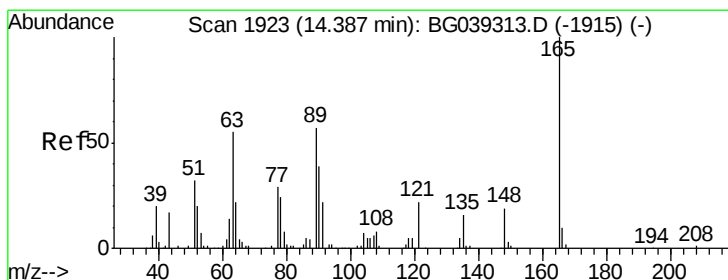
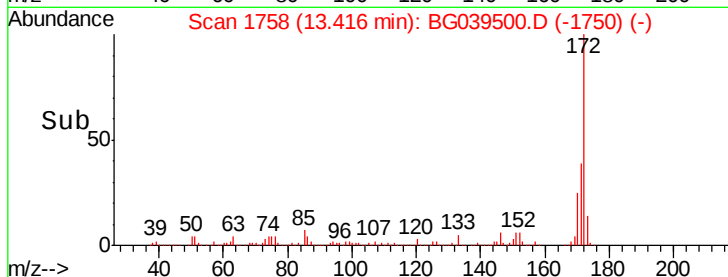
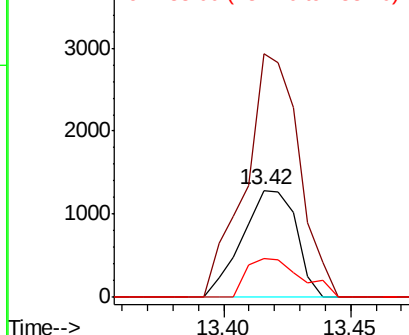
#48
 2-Nitroaniline
 Concen: 8.866 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.48 min
 Lab File: BG039500.D
 Acq: 13 Feb 2019 22:36

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

Tgt Ion: 65 Resp: 1915
 Ion Ratio Lower Upper
 65 100
 92 228.0 51.4 77.2#
 138 35.9 71.4 107.2#

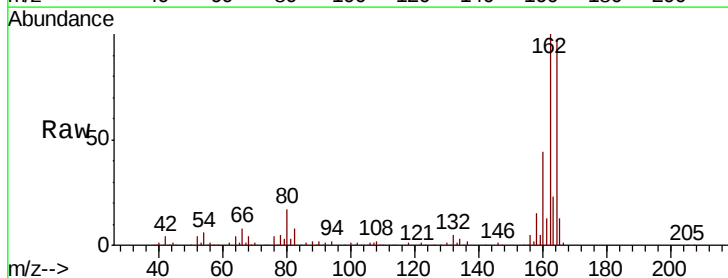


Abundance Ion 65.00 (64.70 to 65.70): BGC
 Ion 92.00 (91.70 to 92.70): BGC
 Ion 138.00 (137.70 to 138.70): BGC

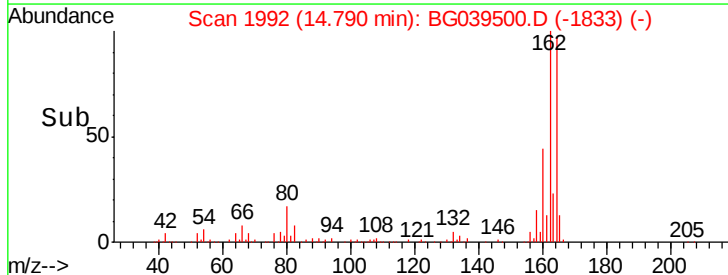
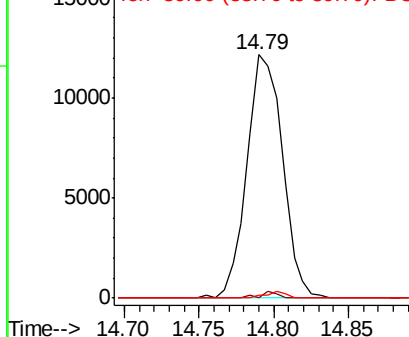


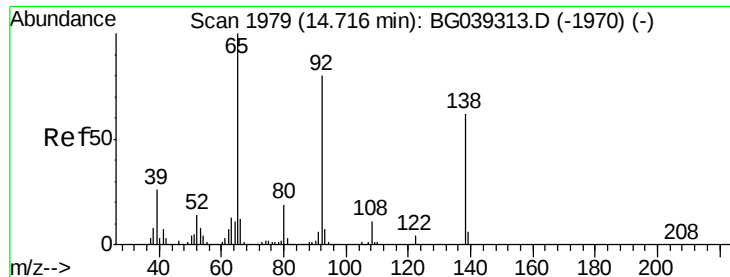
#51
 2,6-Dinitrotoluene
 Concen: 13.973 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. 0.40 min
 Lab File: BG039500.D
 Acq: 13 Feb 2019 22:36

Tgt Ion: 165 Resp: 20059
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 1.4 45.8 68.8#



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

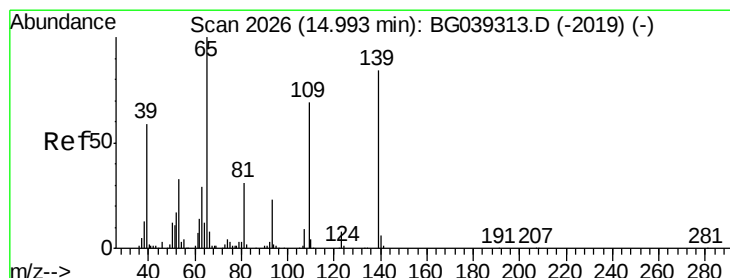
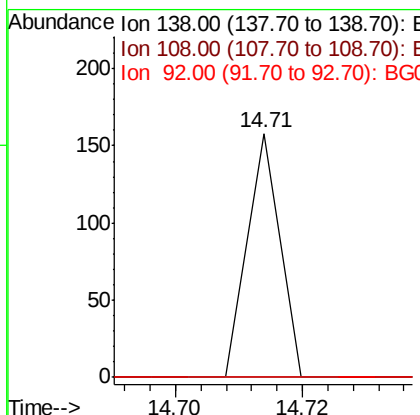
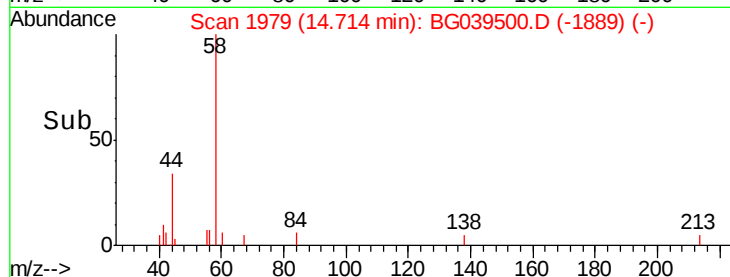
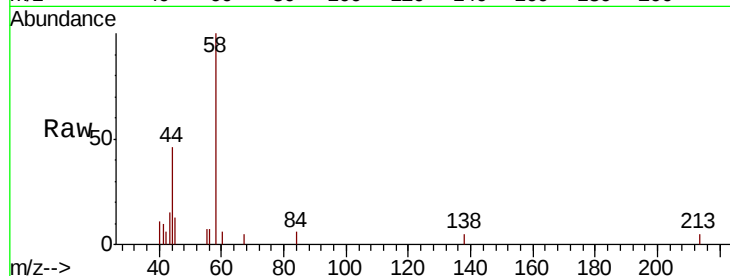




#53
3-Nitroaniline
Concen: 5.812 ng
RT: 14.71 min Scan# 1979
Delta R.T. -0.00 min
Lab File: BG039500.D
Acq: 13 Feb 2019 22:36

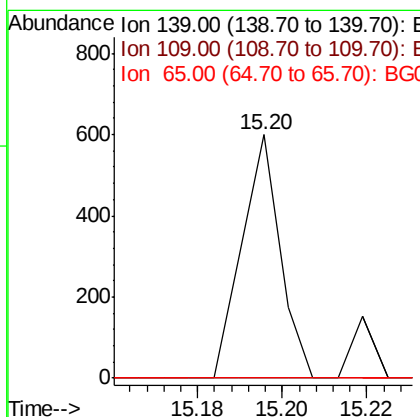
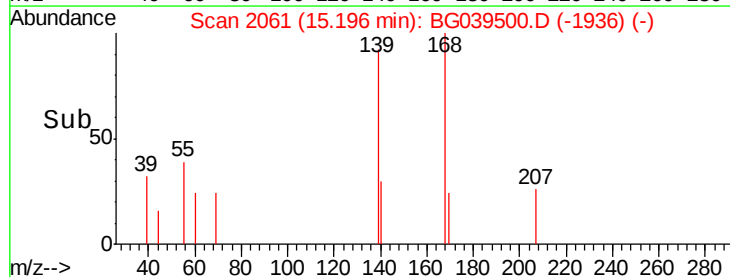
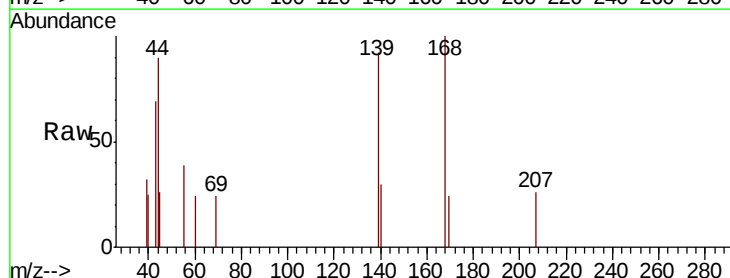
Instrument :
BNA_G
ClientSampleId :
JC-02-021119-H

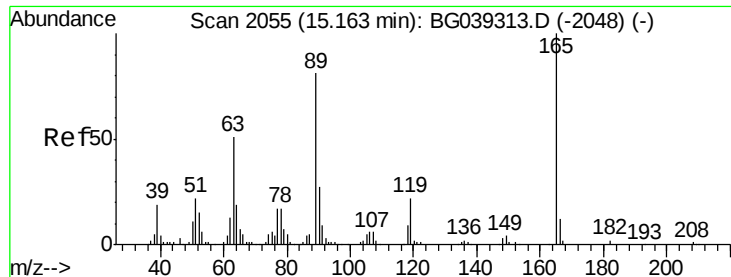
Tgt Ion:138 Resp: 56
Ion Ratio Lower Upper
138 100
108 0.0 13.8 20.8#
92 0.0 103.7 155.5#



#56
4-Nitrophenol
Concen: 5.948 ng
RT: 15.20 min Scan# 2061
Delta R.T. 0.20 min
Lab File: BG039500.D
Acq: 13 Feb 2019 22:36

Tgt Ion:139 Resp: 376
Ion Ratio Lower Upper
139 100
109 0.0 61.9 101.9#
65 0.0 99.1 139.1#





#57

2,4-Dinitrotoluene

Concen: 13.437 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039500.D

Acq: 13 Feb 2019 22:36

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-H

Tgt Ion:165 Resp: 20059

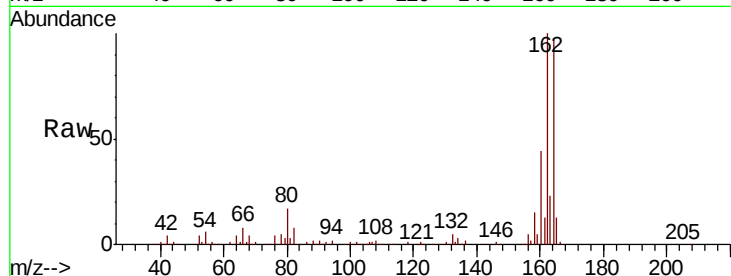
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 1.4 64.6 96.8#

182 0.0 2.0 3.0#

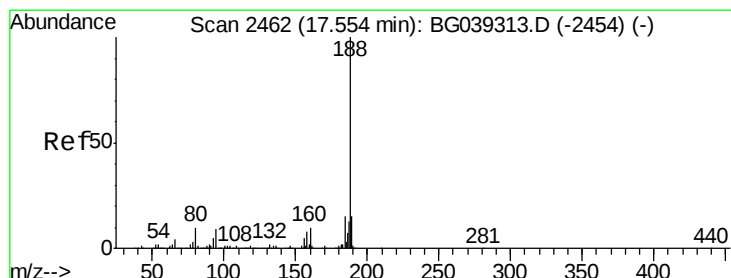
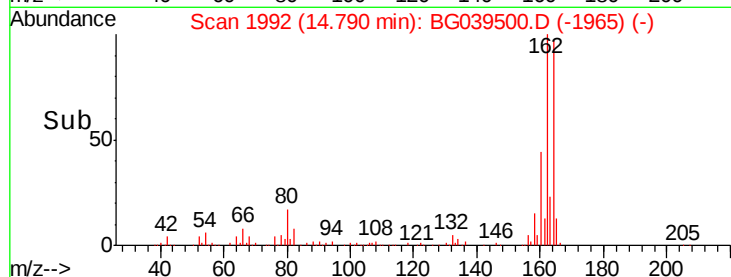
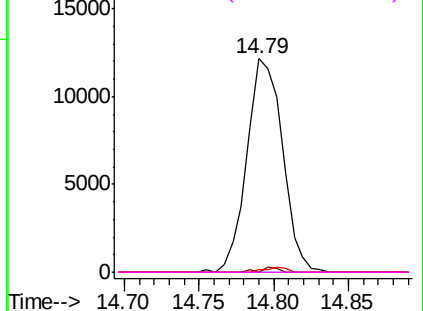


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039500.D

Acq: 13 Feb 2019 22:36

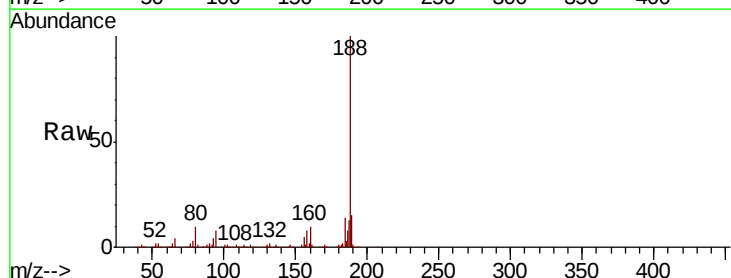
Tgt Ion:188 Resp: 382323

Ion Ratio Lower Upper

188 100

94 8.3 6.9 10.3

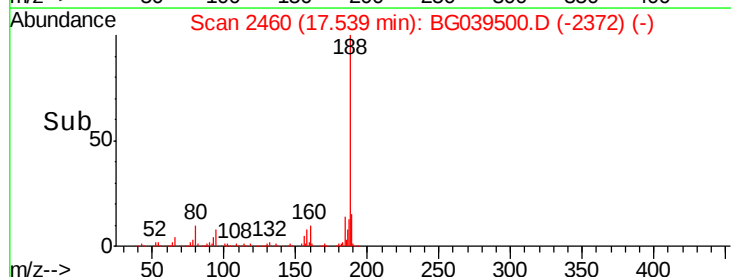
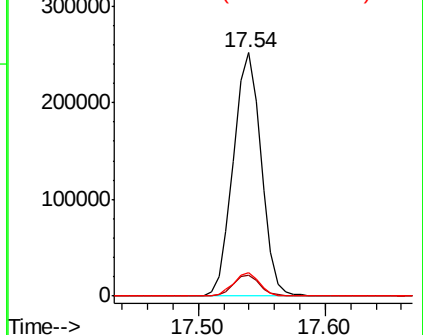
80 9.7 8.1 12.1

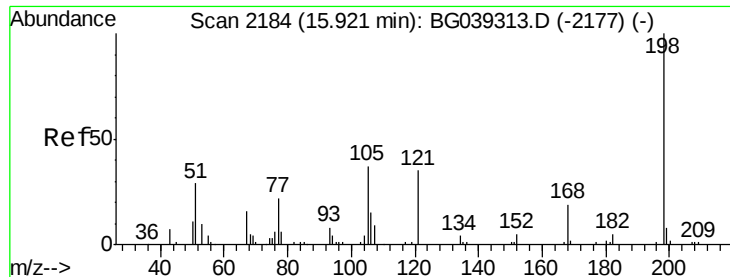


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

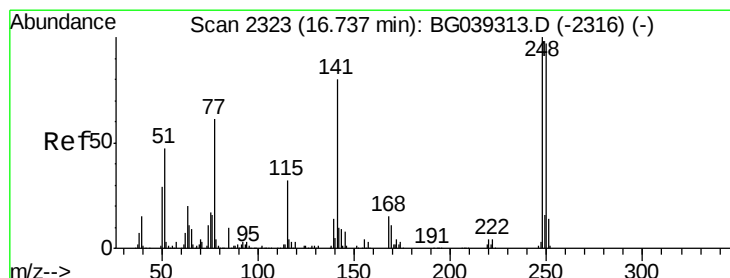
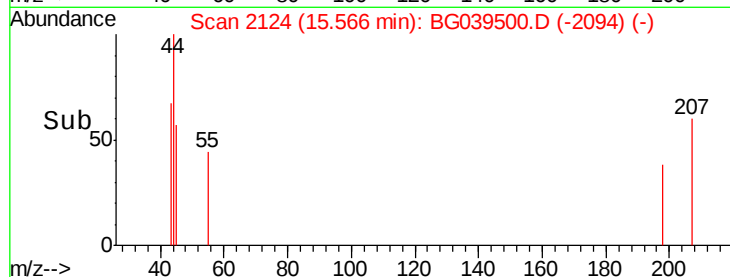
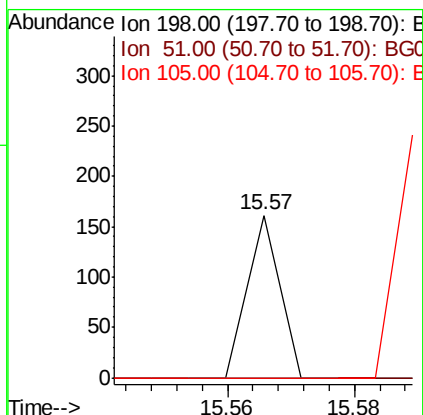
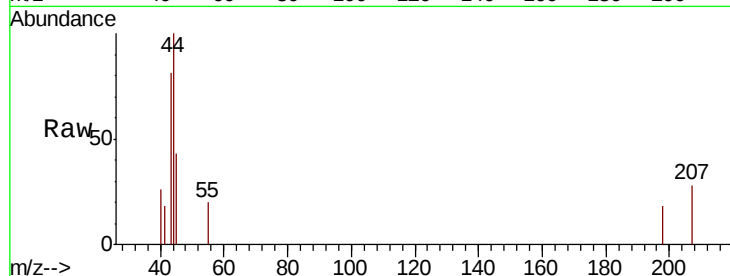




#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.218 ng
 RT: 15.57 min Scan# 2124
 Delta R.T. -0.35 min
 Lab File: BG039500.D
 Acq: 13 Feb 2019 22:36

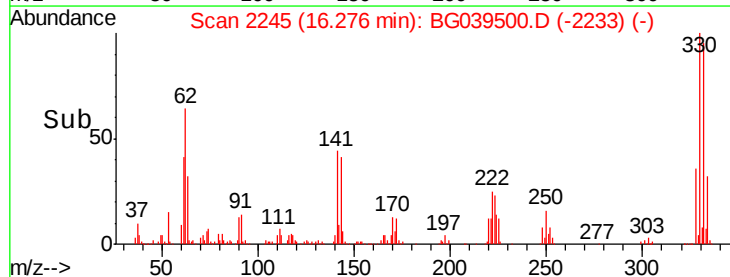
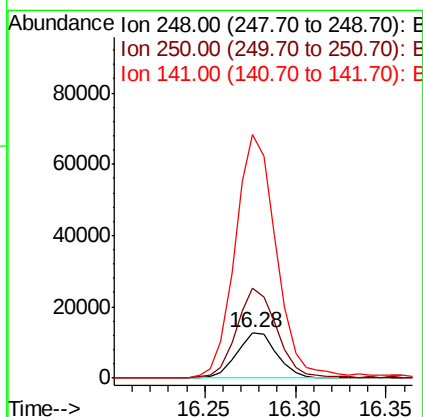
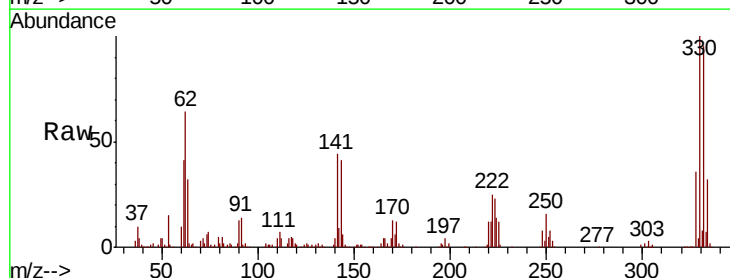
Instrument :
 BNA_G
 ClientSampleId :
 JC-02-021119-H

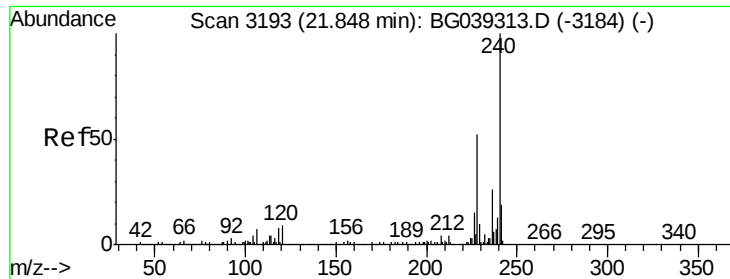
Tgt Ion:198 Resp: 57
 Ion Ratio Lower Upper
 198 100
 51 0.0 27.4 67.4#
 105 0.0 19.7 59.7#



#67
 4-Bromophenyl-phenylether
 Concen: 4.640 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039500.D
 Acq: 13 Feb 2019 22:36

Tgt Ion:248 Resp: 19680
 Ion Ratio Lower Upper
 248 100
 250 196.9 77.6 116.4#
 141 531.4 63.9 95.9#

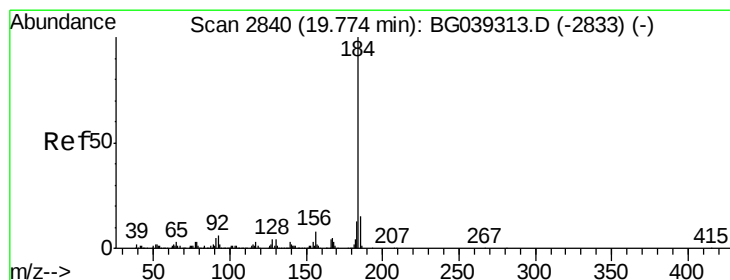
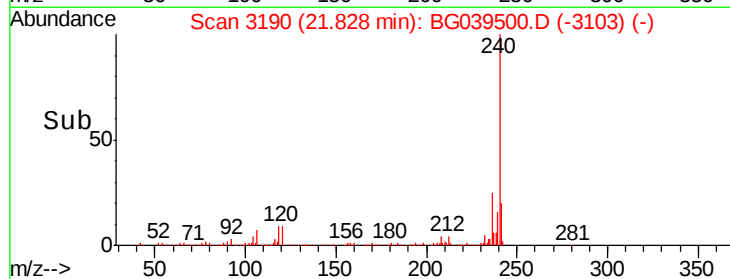
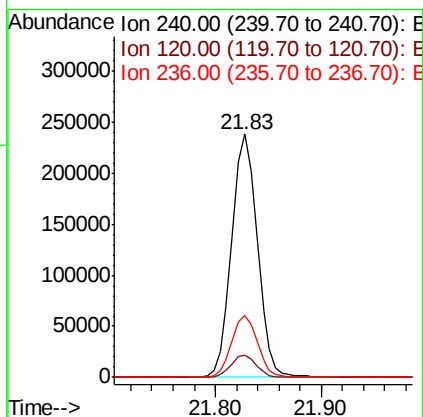
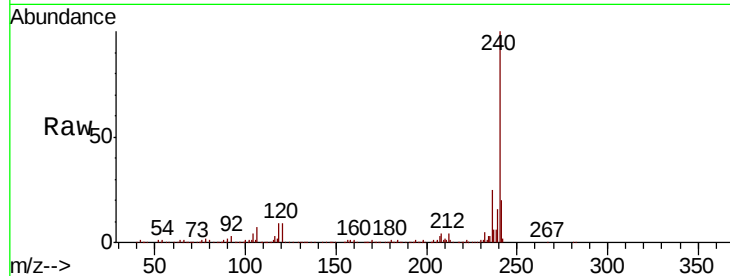




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039500.D
Acq: 13 Feb 2019 22:36

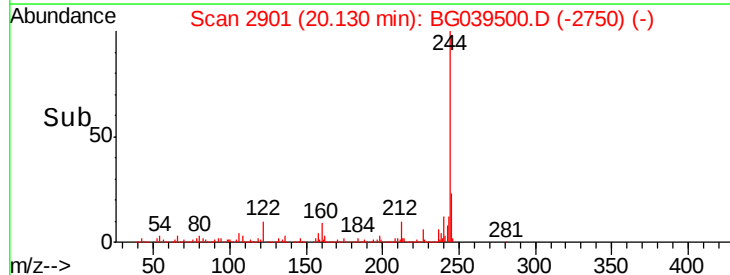
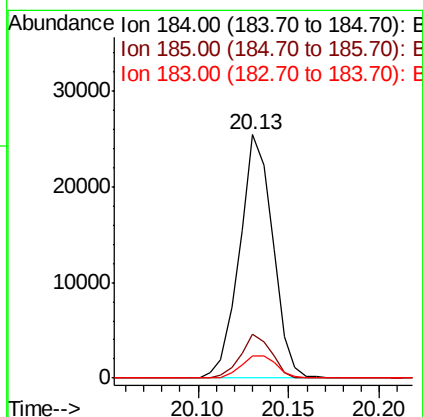
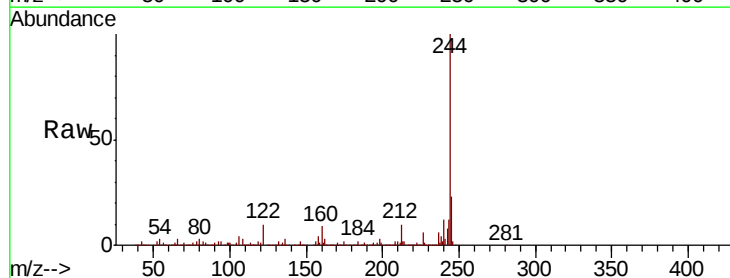
Instrument :
BNA_G
ClientSampleId :
JC-02-021119-H

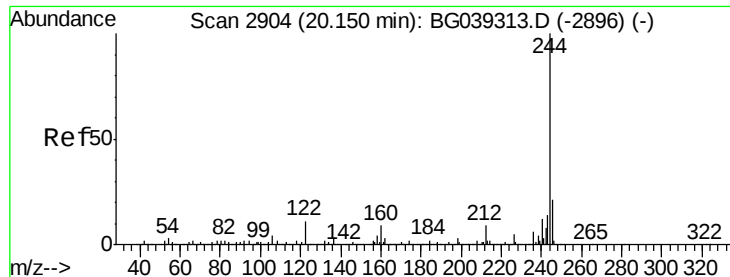
Tgt Ion:240 Resp: 400947
Ion Ratio Lower Upper
240 100
120 9.0 7.0 10.6
236 25.4 21.0 31.4



#77
Benzidine
Concen: 2.469 ng
RT: 20.13 min Scan# 2901
Delta R.T. 0.36 min
Lab File: BG039500.D
Acq: 13 Feb 2019 22:36

Tgt Ion:184 Resp: 32457
Ion Ratio Lower Upper
184 100
185 18.2 12.2 18.2
183 9.0 10.6 15.8#





#79

Terphenyl-d14

Concen: 92.310 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039500.D

Acq: 13 Feb 2019 22:36

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-H

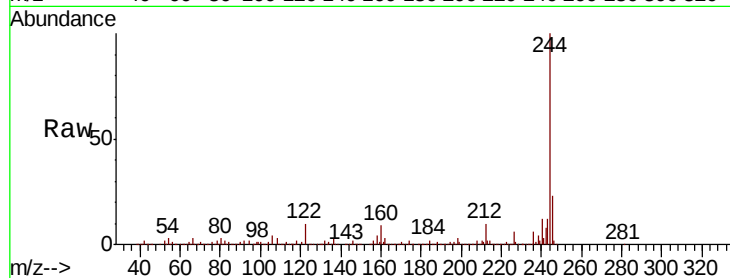
Tgt Ion:244 Resp: 1748551

Ion Ratio Lower Upper

244 100

212 9.8 7.3 10.9

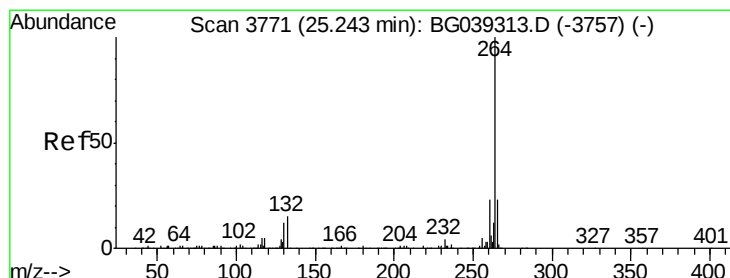
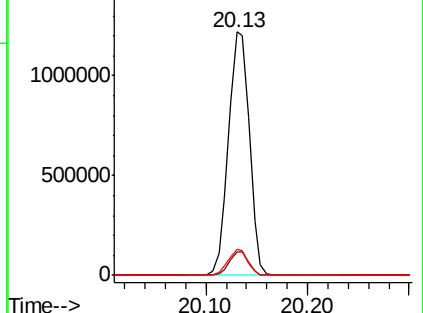
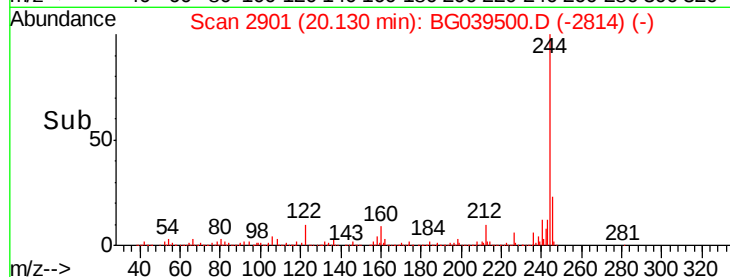
122 10.4 8.4 12.6



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: BG039500.D

Acq: 13 Feb 2019 22:36

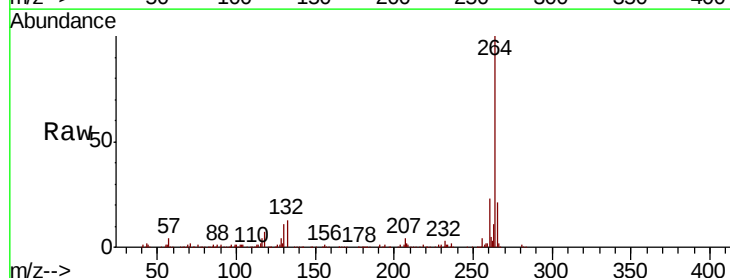
Tgt Ion:264 Resp: 386840

Ion Ratio Lower Upper

264 100

260 22.5 18.2 27.4

265 21.3 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

