

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG020619\
 Data File : BG039378.D
 Acq On : 6 Feb 2019 19:54
 Operator : JU/SJ
 Sample : K1338-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AU-06-020519-A

Quant Time: Feb 06 23:51:00 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	8.18	152	53706	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	225989	20.00	ng	0.00
39) Acenaphthene-d10	14.80	164	148992	20.00	ng	0.00
64) Phenanthrene-d10	17.55	188	355861	20.00	ng	0.00
76) Chrysene-d12	21.83	240	389765	20.00	ng	-0.01
87) Perylene-d12	25.22	264	386530	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	413603	131.81	ng	0.00
7) Phenol-d6	7.31	99	524913	113.64	ng	0.00
23) Nitrobenzene-d5	9.36	82	380229	105.11	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	235563	146.82	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	930118	89.56	ng	0.00
79) Terphenyl-d14	20.14	244	1487562	80.78	ng	-0.01

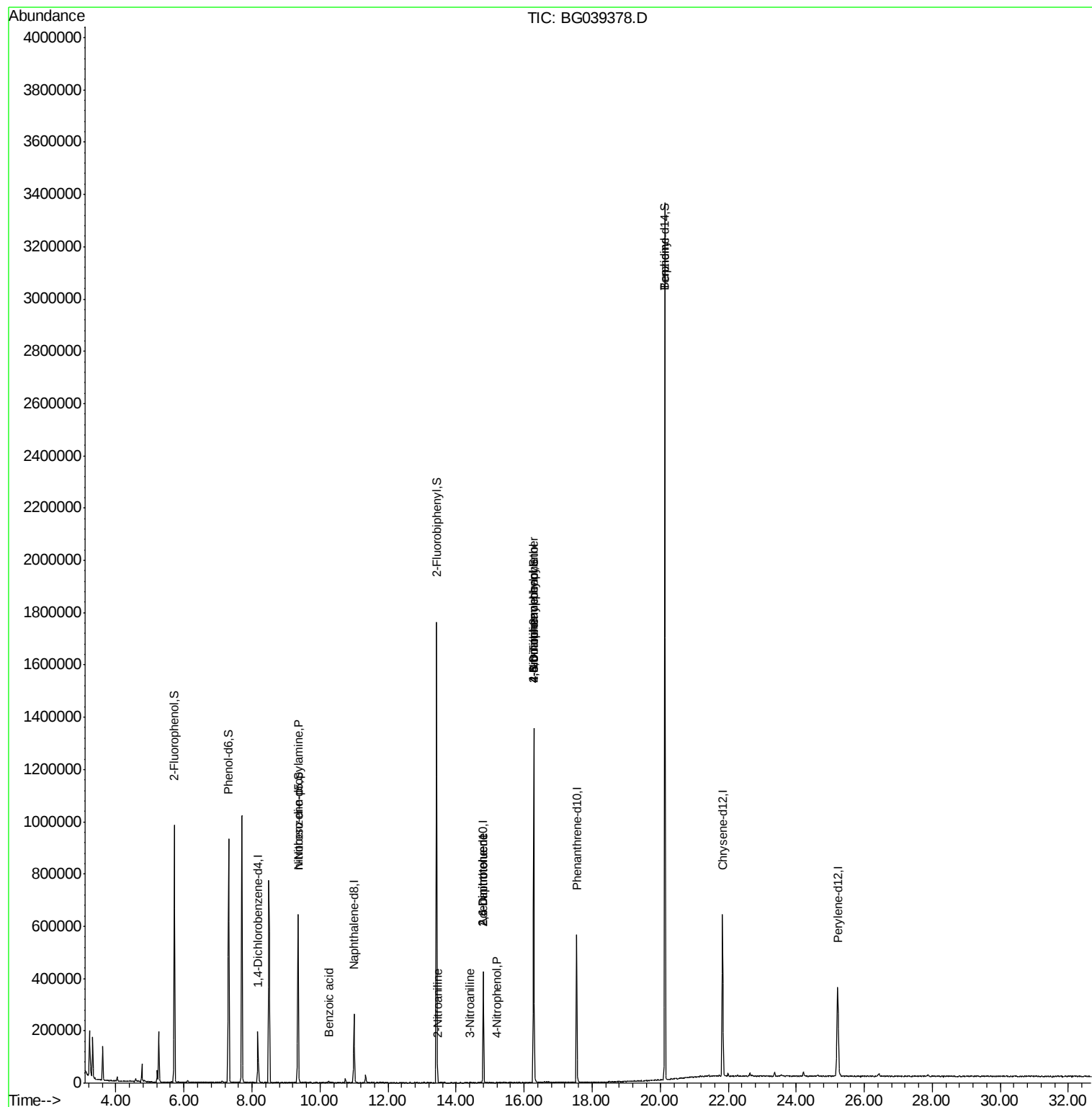
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	800	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.36	70	50326	15.351	ng	# 67
32) Benzoic acid	10.25	122	64	9.045	ng	# 62
48) 2-Nitroaniline	13.47	65	58	8.314	ng	# 10
51) 2,6-Dinitrotoluene	14.80	165	18754	13.759	ng	# 23
53) 3-Nitroaniline	14.41	138	141	5.844	ng	# 1
56) 4-Nitrophenol	15.19	139	227	5.891	ng	# 1
57) 2,4-Dinitrotoluene	14.80	165	18754	13.274	ng	# 18
62) 4-Nitroaniline	16.29	138	67	4.227	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.29	198	843	4.934	ng	# 33
67) 4-Bromophenyl-phenylether	16.28	248	18309	4.638	ng	# 1
77) Benzidine	20.14	184	26247	2.054	ng	# 92

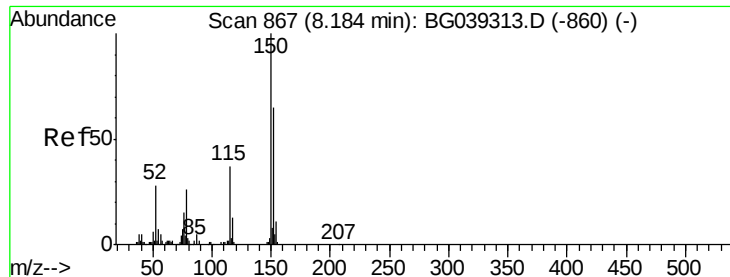
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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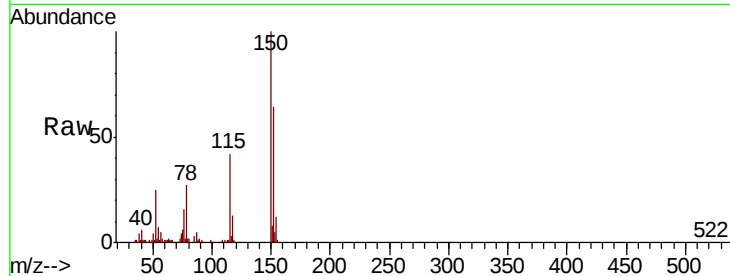


#1

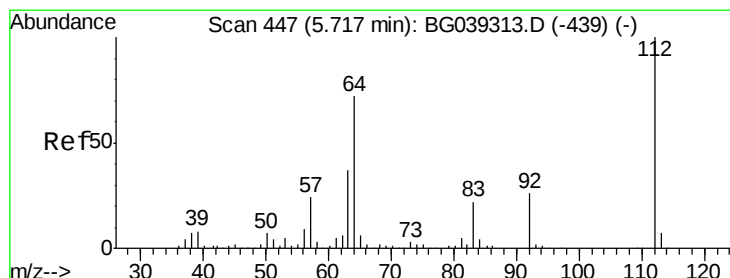
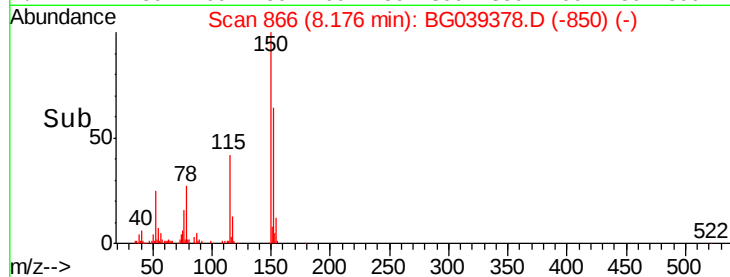
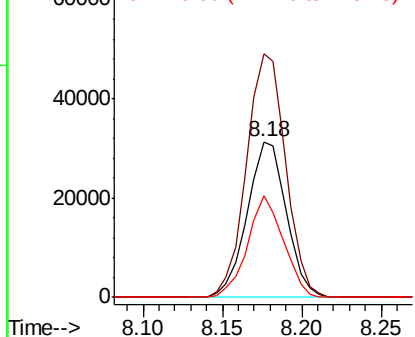
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039378.D
Acq: 6 Feb 2019 19:54

Instrument :
BNA_G
ClientSampleId :
AU-06-020519-A

Tgt Ion:152 Resp: 53706
Ion Ratio Lower Upper
152 100
150 156.7 123.7 185.5
115 65.5 45.9 68.9



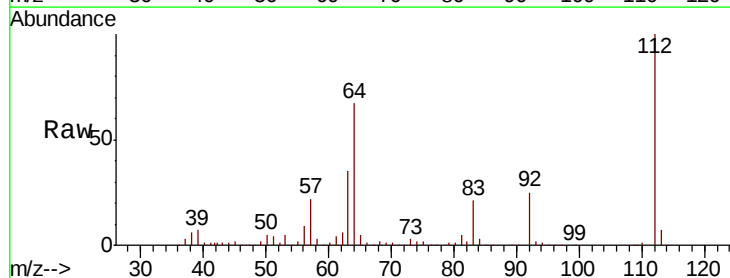
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



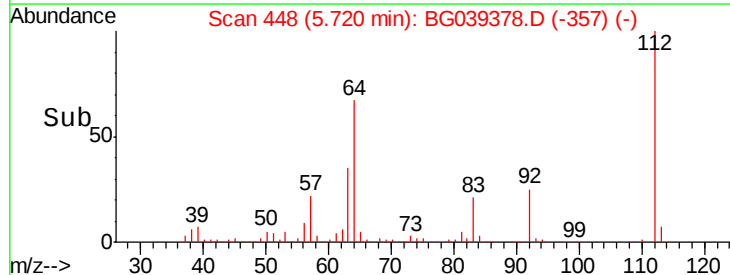
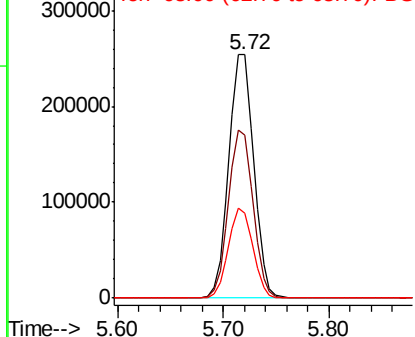
#5

2-Fluorophenol
Concen: 131.807 ng
RT: 5.72 min Scan# 448
Delta R.T. 0.00 min
Lab File: BG039378.D
Acq: 6 Feb 2019 19:54

Tgt Ion:112 Resp: 413603
Ion Ratio Lower Upper
112 100
64 66.8 57.8 86.8
63 35.1 29.8 44.6



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





#7

Phenol-d6

Concen: 113.643 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039378.D

Acq: 6 Feb 2019 19:54

Instrument :

BNA_G

ClientSampleId :

AU-06-020519-A

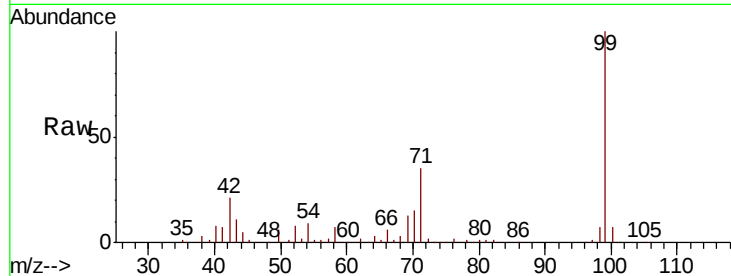
Tgt Ion: 99 Resp: 524913

Ion Ratio Lower Upper

99 100

42 20.5 18.2 27.2

71 35.1 28.0 42.0

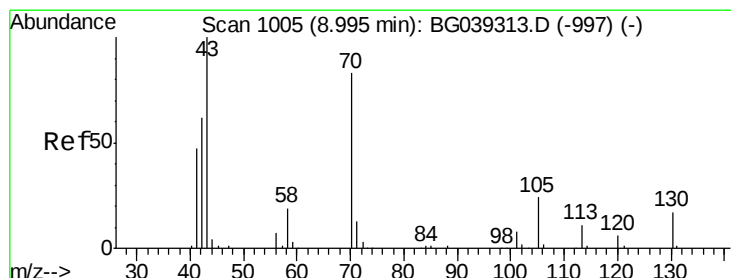
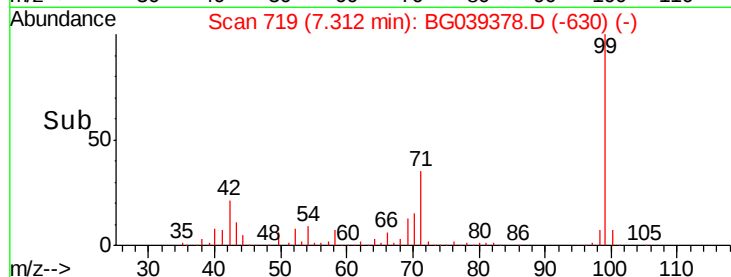
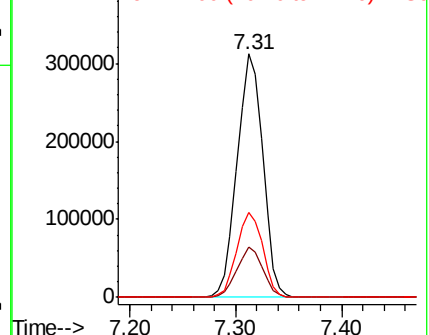


Abundance

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: 15.351 ng

RT: 9.36 min Scan# 1067

Delta R.T. 0.36 min

Lab File: BG039378.D

Acq: 6 Feb 2019 19:54

Tgt Ion: 70 Resp: 50326

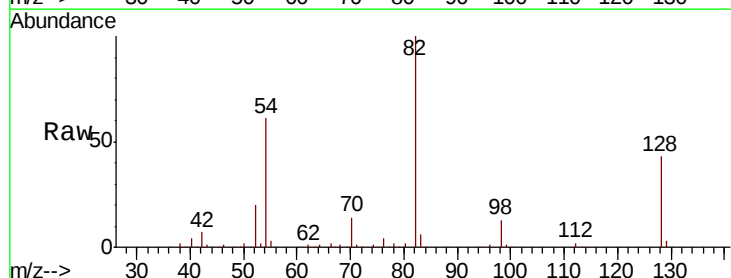
Ion Ratio Lower Upper

70 100

42 48.4 60.4 90.6#

101 0.0 7.5 11.3#

130 1.7 16.9 25.3#



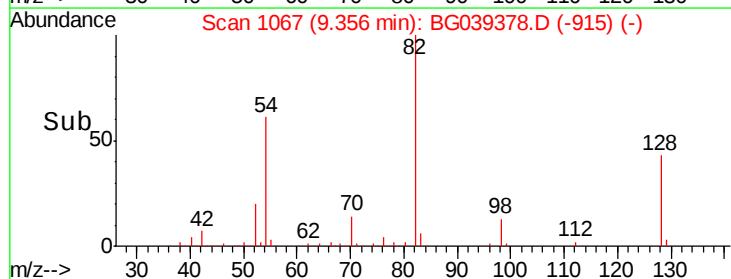
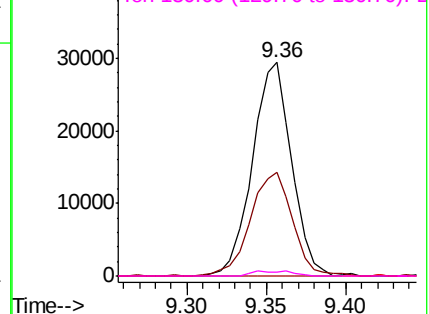
Abundance

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

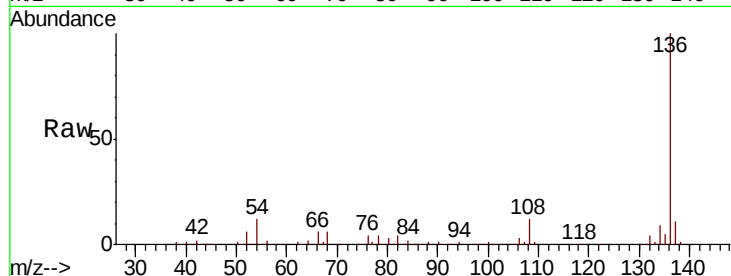




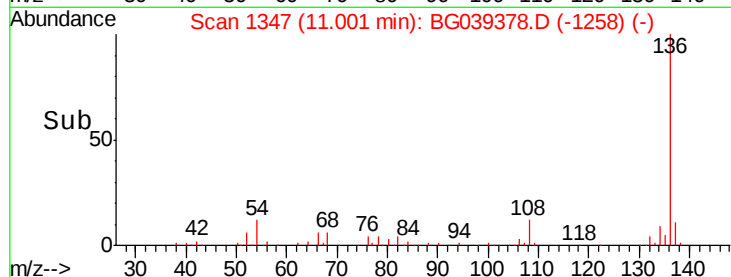
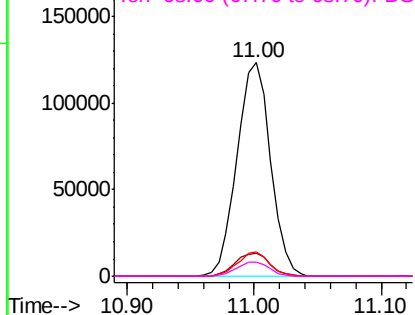
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BG039378.D
Acq: 6 Feb 2019 19:54

Instrument :
BNA_G
ClientSampleId :
AU-06-020519-A

Tgt Ion:	136	Resp:	225989
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	11.6	9.4	14.2
68	6.3	4.2	6.4

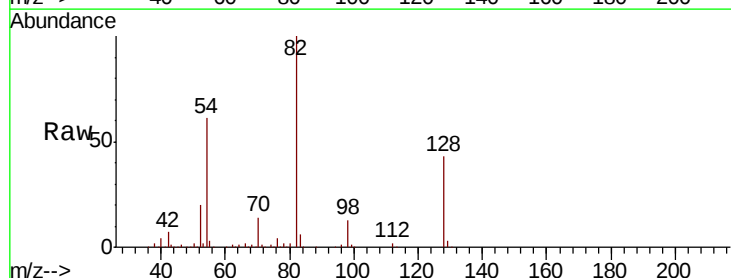


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

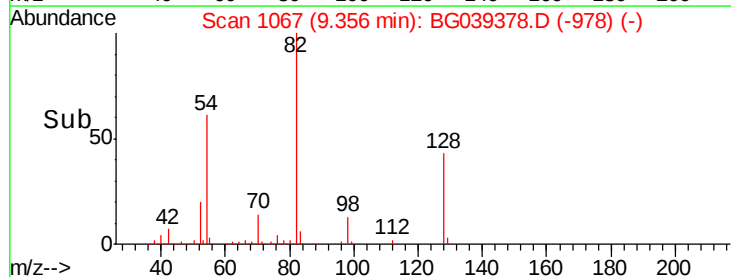
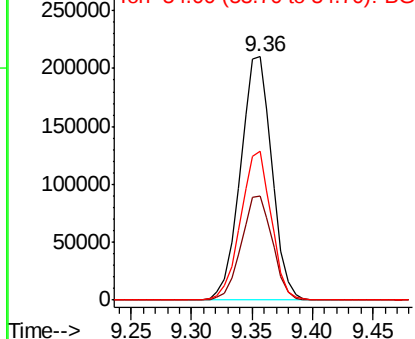


#23
Nitrobenzene-d5
Concen: 105.109 ng
RT: 9.36 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BG039378.D
Acq: 6 Feb 2019 19:54

Tgt Ion:	82	Resp:	380229
Ion	Ratio	Lower	Upper
82	100		
128	42.9	31.3	46.9
54	60.9	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: 9.045 ng

RT: 10.25 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BG039378.D

Acq: 6 Feb 2019 19:54

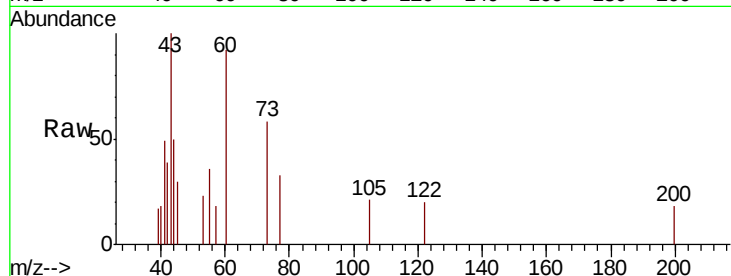
Instrument :

BNA_G

ClientSampleId :

AU-06-020519-A

Tgt Ion	Ratio	Lower	Upper
122	100		
105	102.8	101.8	141.8
77	160.2	76.3	116.3#

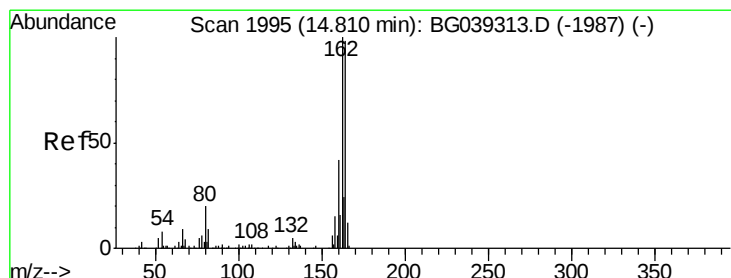
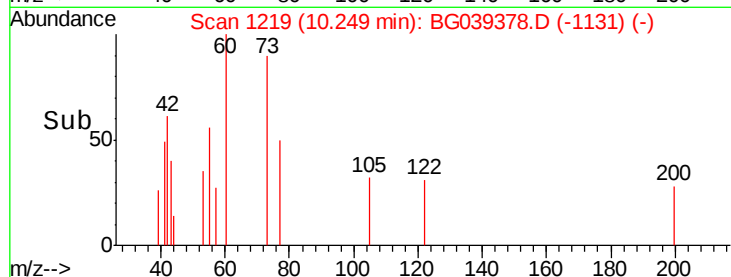
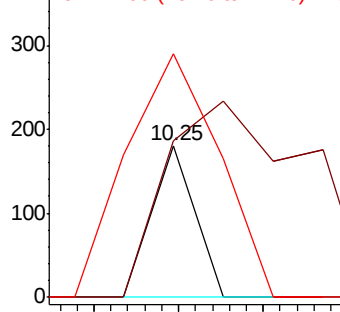


Abundance

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

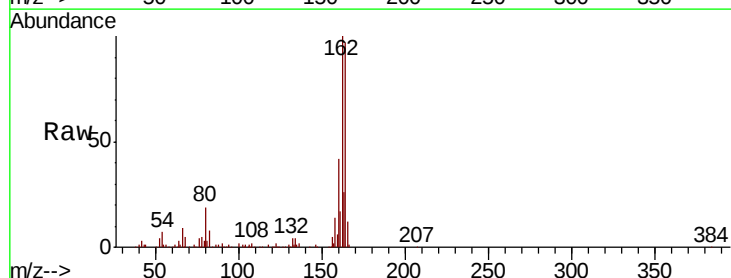
RT: 14.80 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BG039378.D

Acq: 6 Feb 2019 19:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.6	122.4
160	43.5	34.2	51.2

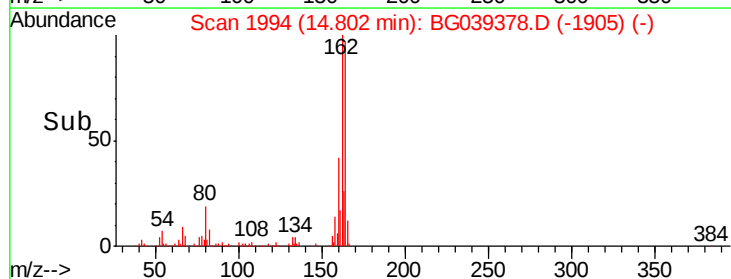
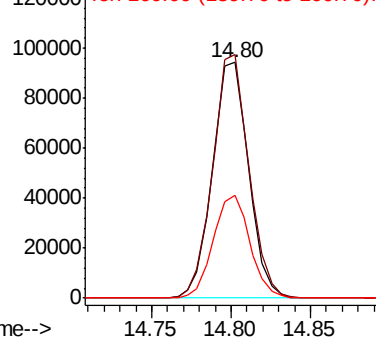


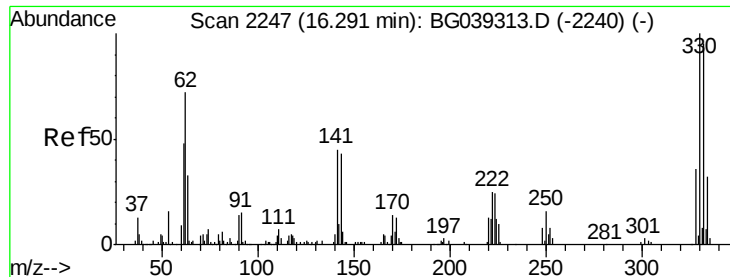
Abundance

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

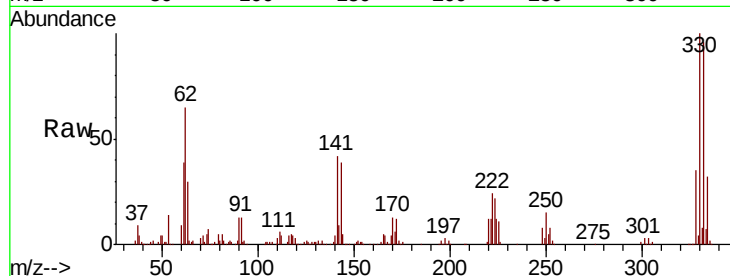




#42
 2,4,6-Tribromophenol
 Concen: 146.824 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BG039378.D
 Acq: 6 Feb 2019 19:54

Instrument :
 BNA_G
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	75.7	113.5
141	40.9	35.6	53.4

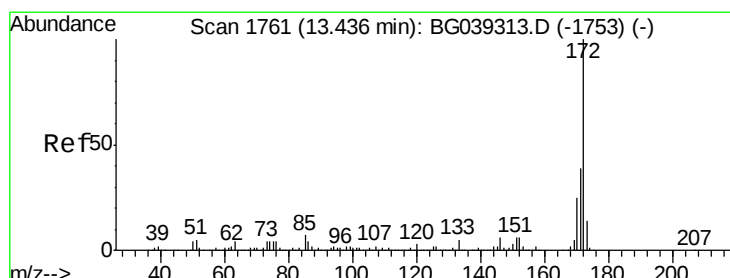
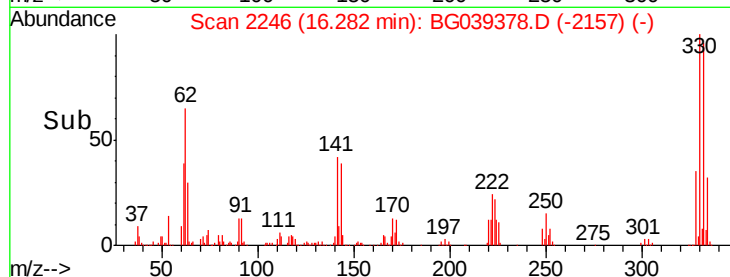
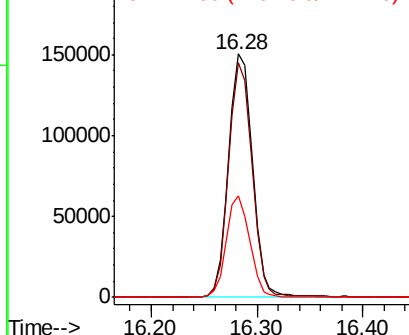


Abundance

Ion 329.80 (329.50 to 330.50): E

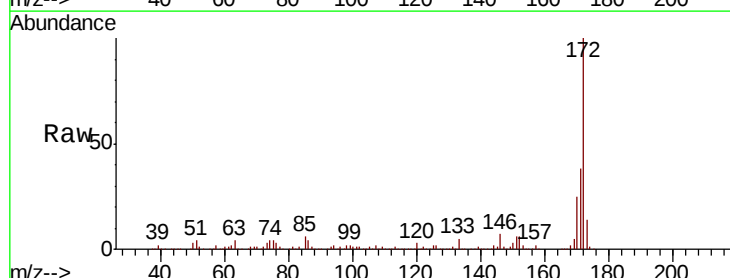
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 89.555 ng
 RT: 13.43 min Scan# 1760
 Delta R.T. -0.01 min
 Lab File: BG039378.D
 Acq: 6 Feb 2019 19:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.8	46.2
170	24.9	20.2	30.4

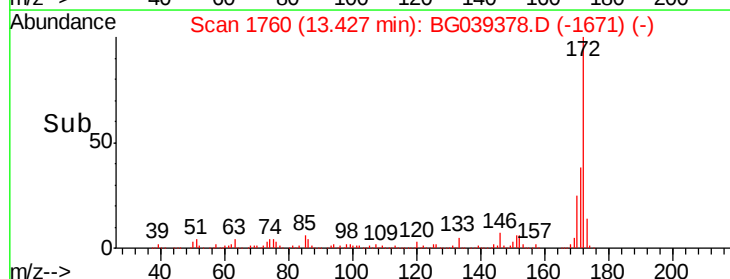
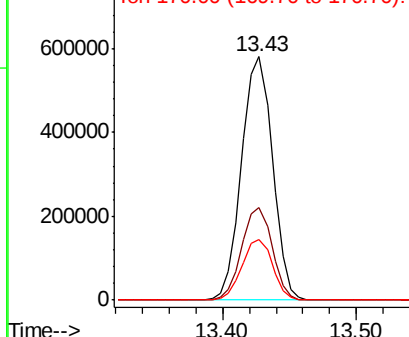


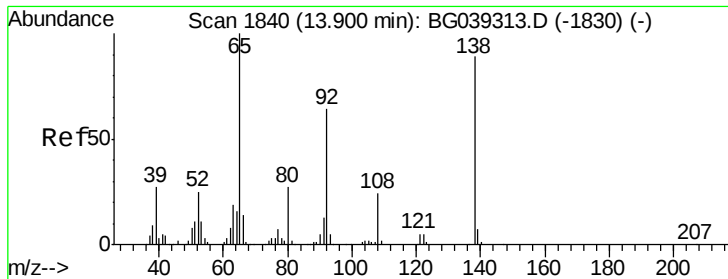
Abundance

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: 8.314 ng

RT: 13.47 min Scan# 1767

Delta R.T. -0.43 min

Lab File: BG039378.D

Acq: 6 Feb 2019 19:54

Instrument :

BNA_G

ClientSampleId :

AU-06-020519-A

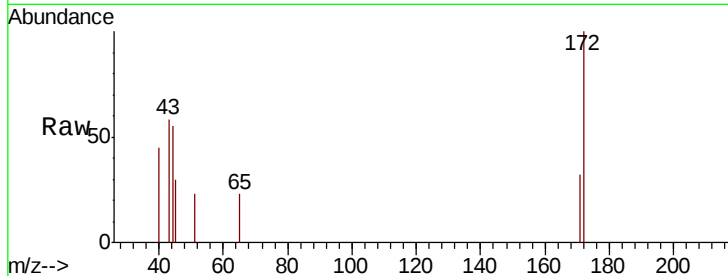
Tgt Ion: 65 Resp: 58

Ion Ratio Lower Upper

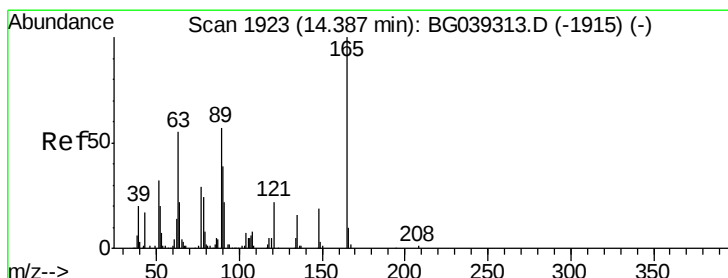
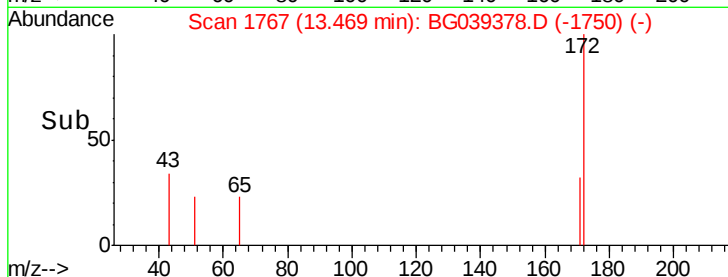
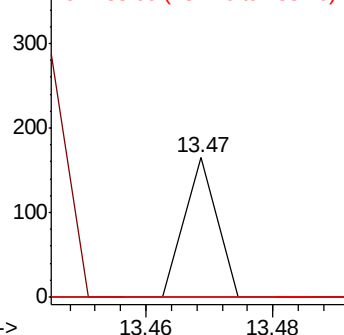
65 100

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



#51

2,6-Dinitrotoluene

Concen: 13.759 ng

RT: 14.80 min Scan# 1994

Delta R.T. 0.42 min

Lab File: BG039378.D

Acq: 6 Feb 2019 19:54

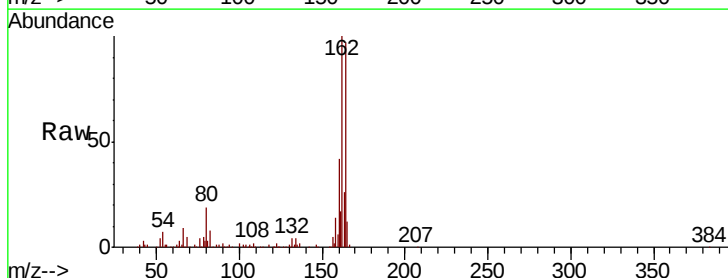
Tgt Ion: 165 Resp: 18754

Ion Ratio Lower Upper

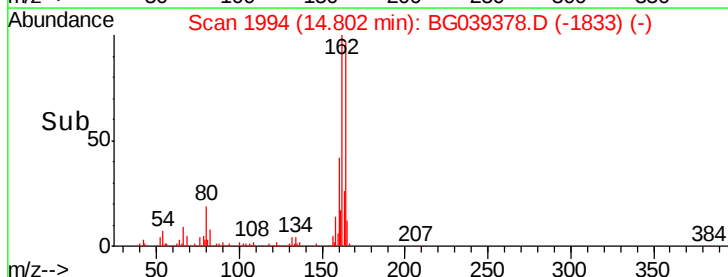
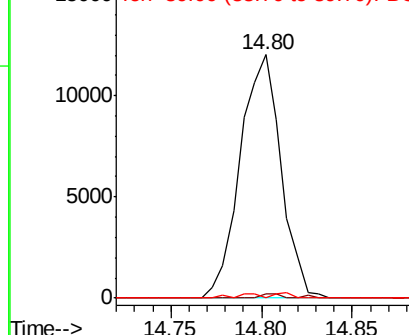
165 100

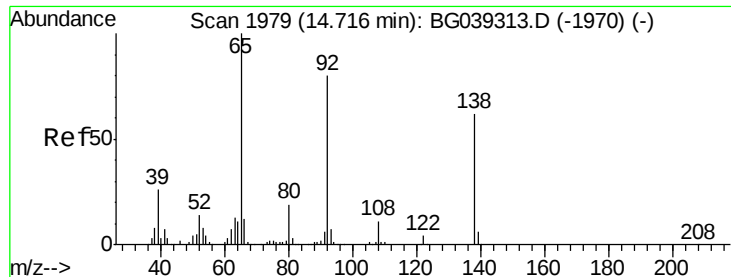
63 1.7 47.0 70.6#

89 0.0 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

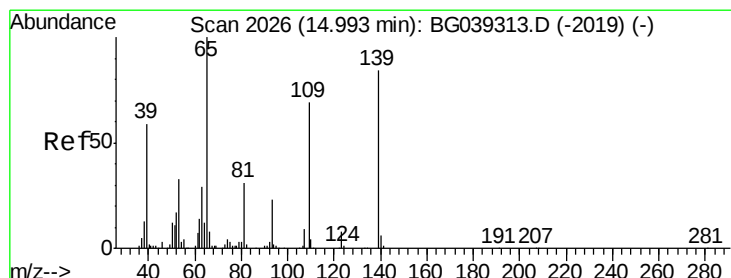
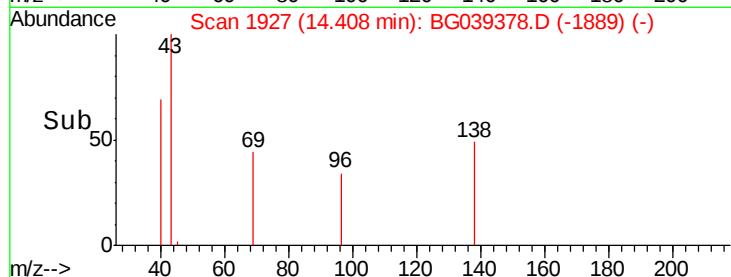
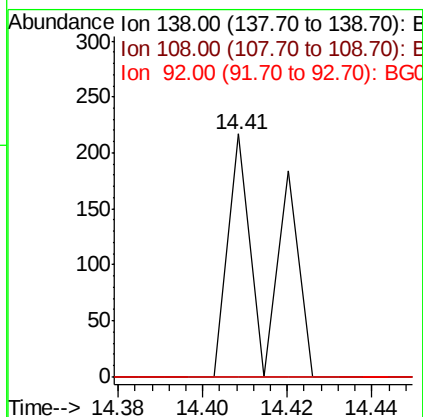
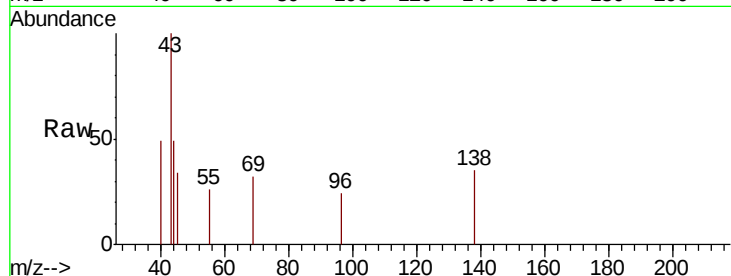




#53
3-Nitroaniline
Concen: 5.844 ng
RT: 14.41 min Scan# 1927
Delta R.T. -0.31 min
Lab File: BG039378.D
Acq: 6 Feb 2019 19:54

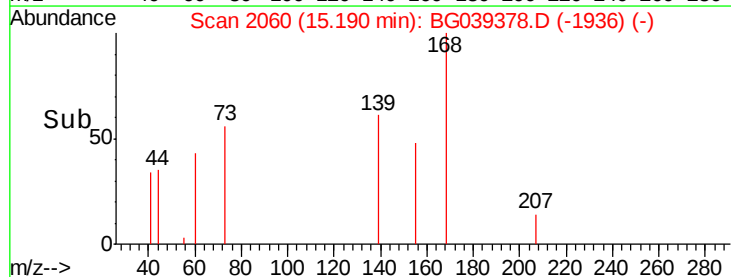
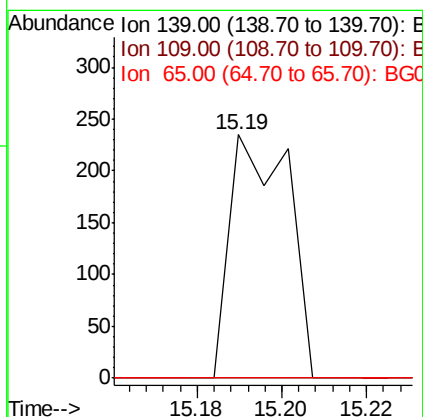
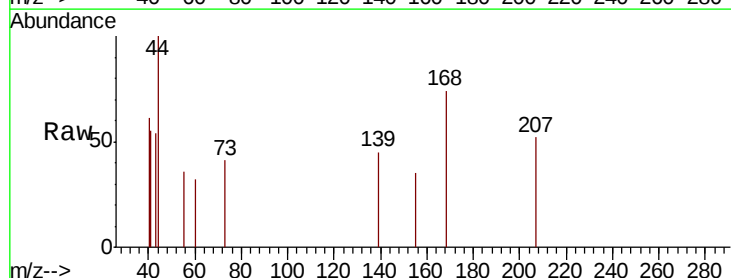
Instrument :
BNA_G
ClientSampleId :
AU-06-020519-A

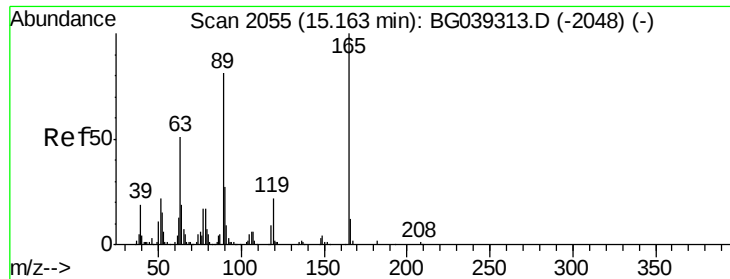
Tgt Ion:138 Resp: 141
Ion Ratio Lower Upper
138 100
108 0.0 13.8 20.8#
92 0.0 103.7 155.5#



#56
4-Nitrophenol
Concen: 5.891 ng
RT: 15.19 min Scan# 2060
Delta R.T. 0.20 min
Lab File: BG039378.D
Acq: 6 Feb 2019 19:54

Tgt Ion:139 Resp: 227
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: 13.274 ng

RT: 14.80 min Scan# 1994

Delta R.T. -0.36 min

Lab File: BG039378.D

Acq: 6 Feb 2019 19:54

Instrument :

BNA_G

ClientSampleId :

AU-06-020519-A

Tgt Ion:165 Resp: 18754

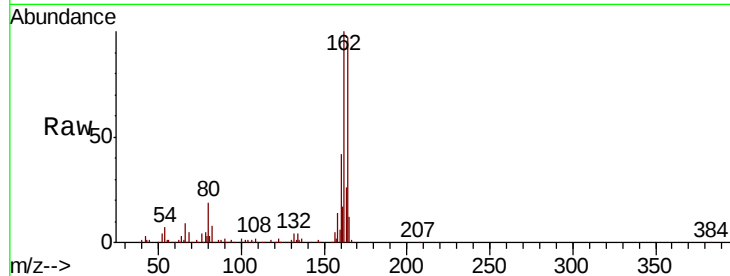
Ion Ratio Lower Upper

165 100

63 1.7 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#

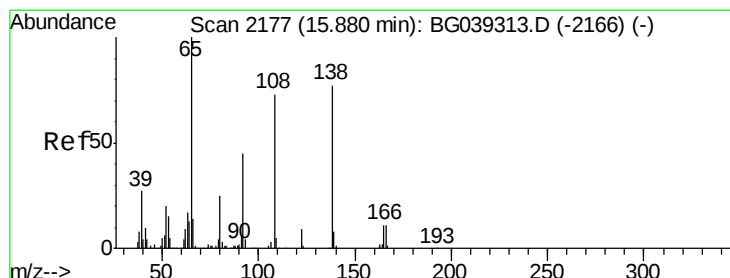
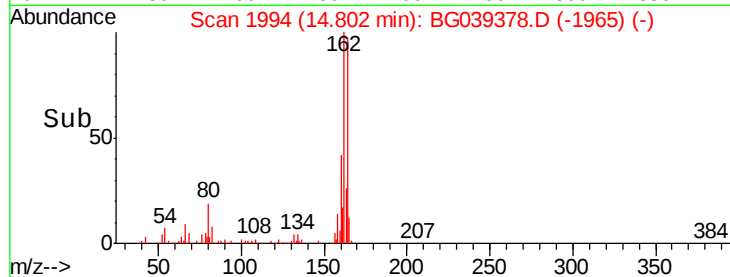
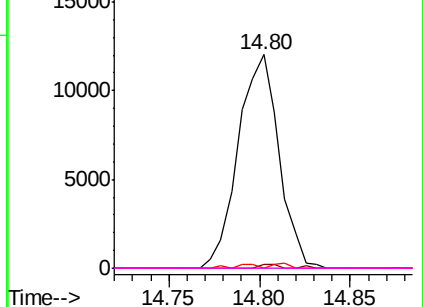


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#62

4-Nitroaniline

Concen: 4.227 ng

RT: 16.29 min Scan# 2247

Delta R.T. 0.41 min

Lab File: BG039378.D

Acq: 6 Feb 2019 19:54

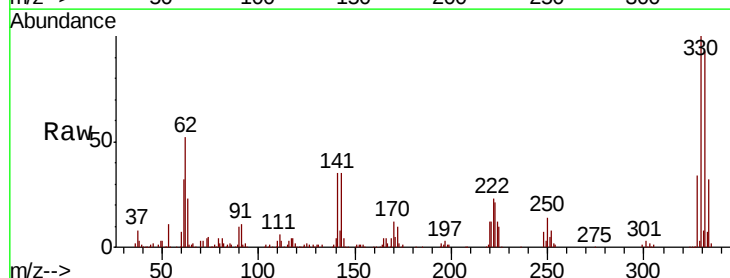
Tgt Ion:138 Resp: 67

Ion Ratio Lower Upper

138 100

92 866.5 38.7 78.7#

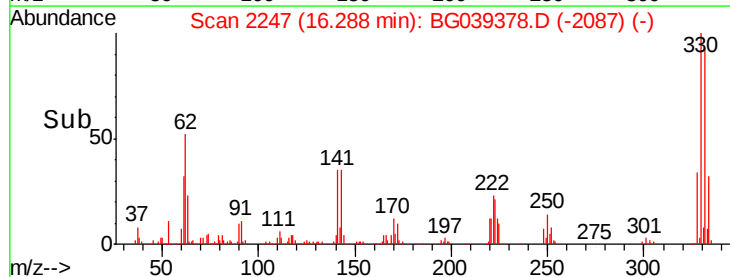
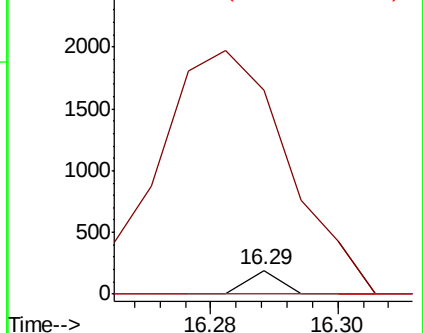
108 0.0 74.6 114.6#

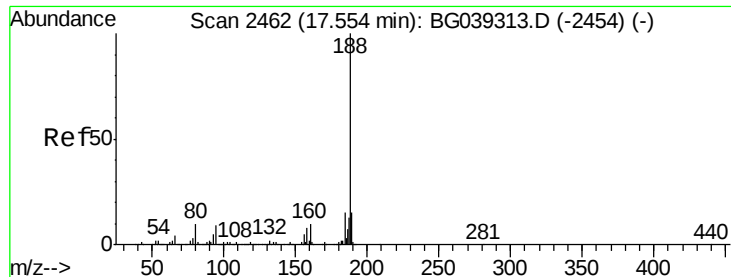


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.55 min Scan# 2461

Delta R.T. -0.01 min

Lab File: BG039378.D

Acq: 6 Feb 2019 19:54

Instrument :

BNA_G

ClientSampleId :

AU-06-020519-A

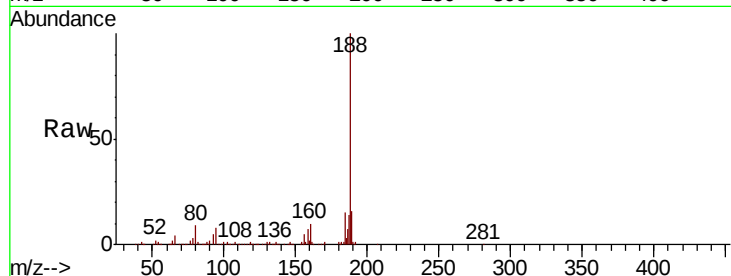
Tgt Ion:188 Resp: 355861

Ion Ratio Lower Upper

188 100

94 8.3 6.9 10.3

80 9.4 8.1 12.1

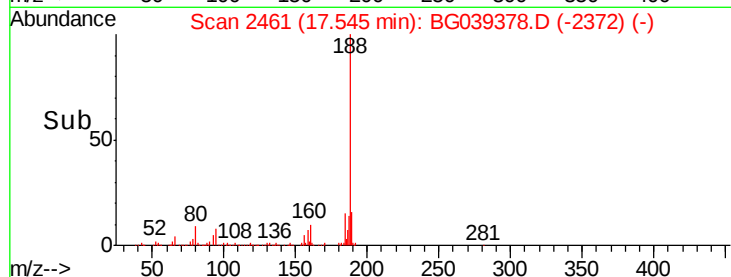


Abundance Ion 188.00 (187.70 to 188.70): E

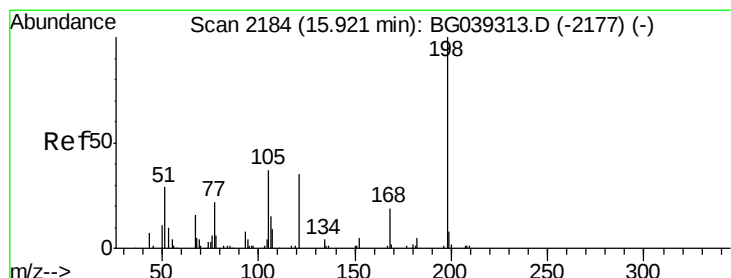
Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

Time-->



Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 4.934 ng

RT: 16.29 min Scan# 2247

Delta R.T. 0.37 min

Lab File: BG039378.D

Acq: 6 Feb 2019 19:54

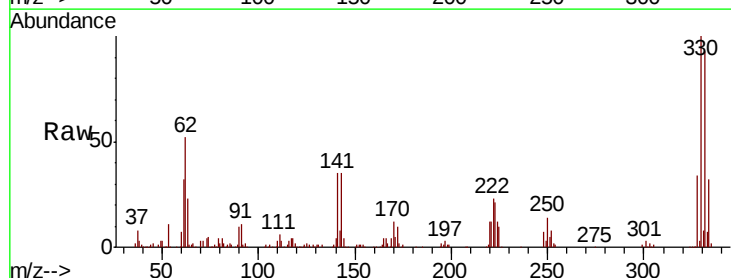
Tgt Ion:198 Resp: 843

Ion Ratio Lower Upper

198 100

51 89.1 27.4 67.4#

105 83.8 19.7 59.7#

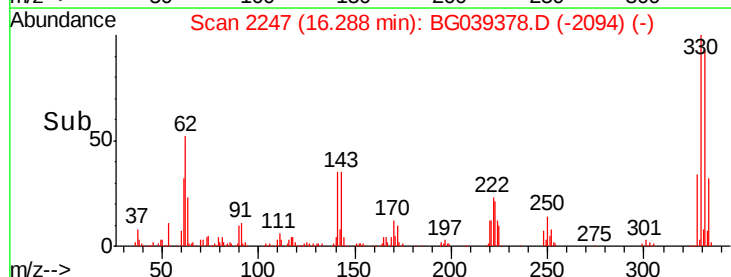


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

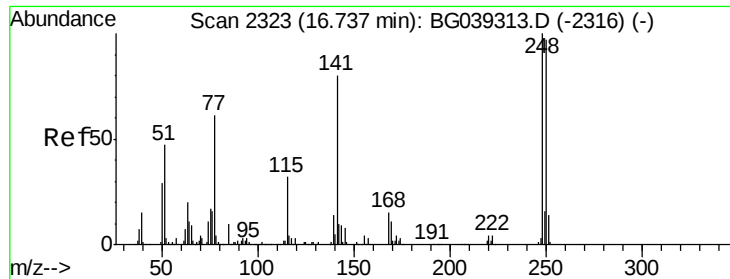
Ion 105.00 (104.70 to 105.70): E

Time-->



Time-->

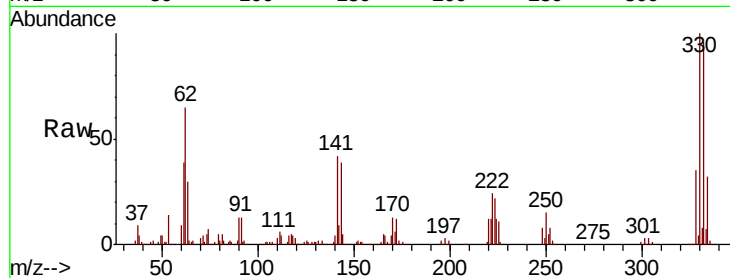
Time-->



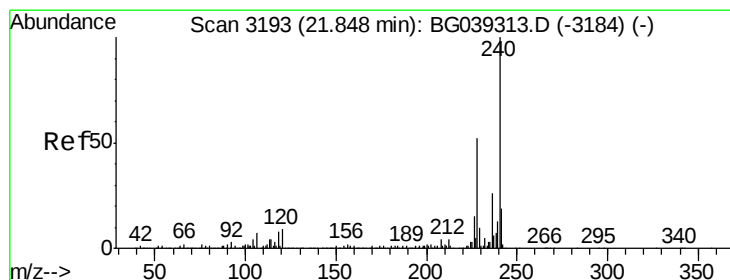
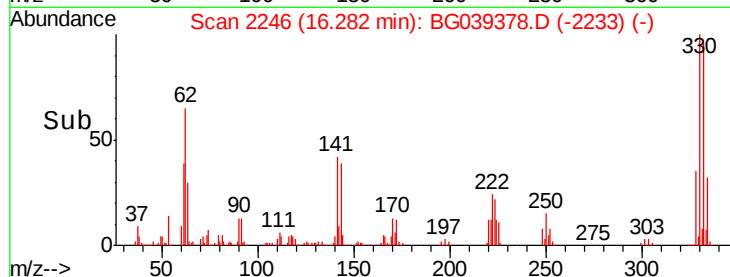
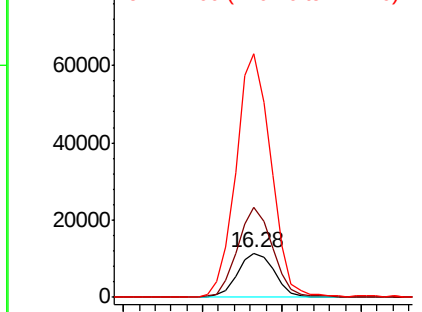
#67
 4-Bromophenyl-phenylether
 Concen: 4.638 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.45 min
 Lab File: BG039378.D
 Acq: 6 Feb 2019 19:54

Instrument :
 BNA_G
 ClientSampleId :
 AU-06-020519-A

Tgt Ion:248 Resp: 18309
 Ion Ratio Lower Upper
 248 100
 250 202.5 77.6 116.4#
 141 547.1 63.9 95.9#

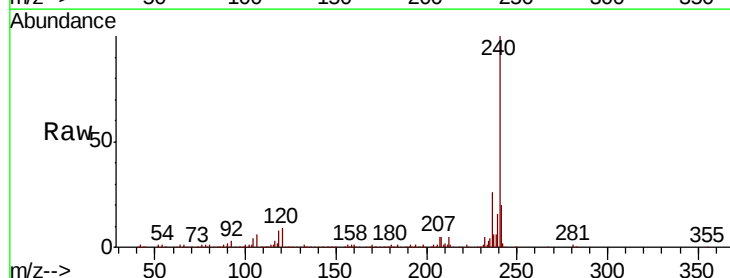


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

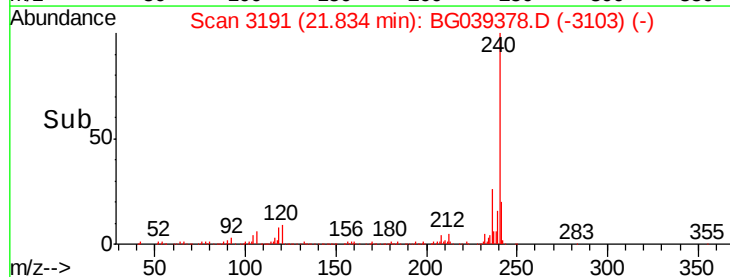
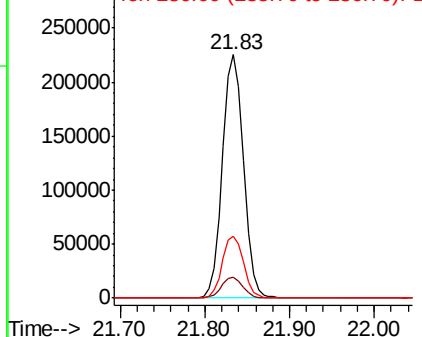


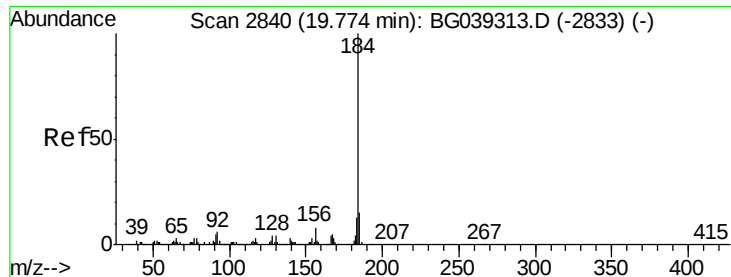
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3191
 Delta R.T. -0.01 min
 Lab File: BG039378.D
 Acq: 6 Feb 2019 19:54

Tgt Ion:240 Resp: 389765
 Ion Ratio Lower Upper
 240 100
 120 8.6 7.0 10.6
 236 25.6 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: 2.054 ng

RT: 20.14 min Scan# 2902

Delta R.T. 0.36 min

Lab File: BG039378.D

Acq: 6 Feb 2019 19:54

Instrument :

BNA_G

ClientSampleId :

AU-06-020519-A

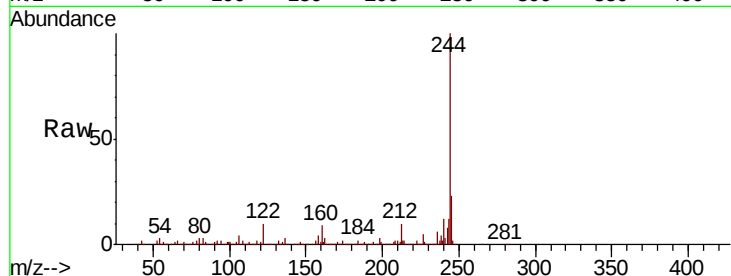
Tgt Ion:184 Resp: 26247

Ion Ratio Lower Upper

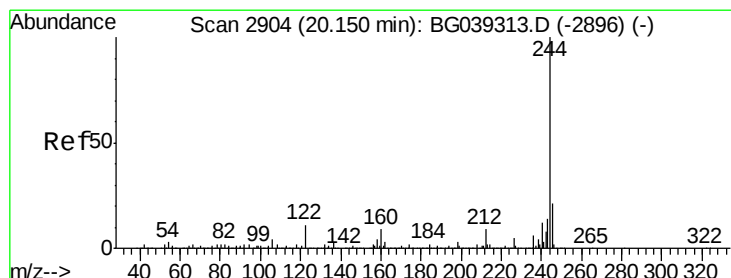
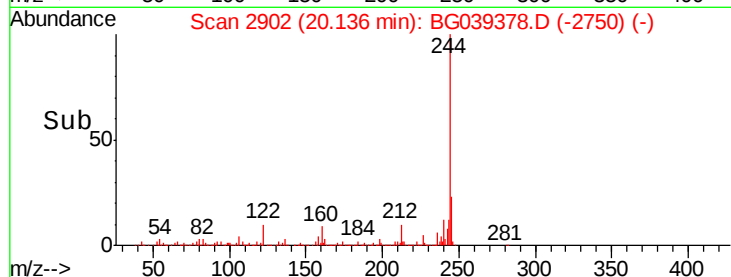
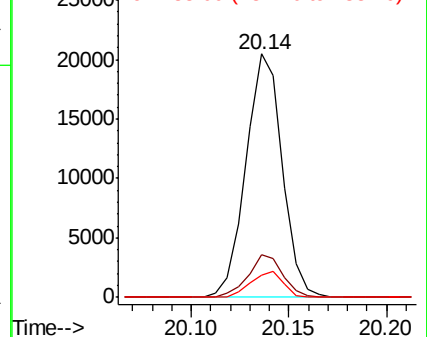
184 100

185 17.7 12.2 18.2

183 9.1 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: 80.785 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039378.D

Acq: 6 Feb 2019 19:54

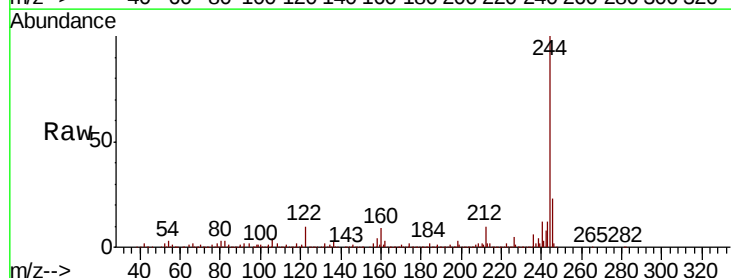
Tgt Ion:244 Resp: 1487562

Ion Ratio Lower Upper

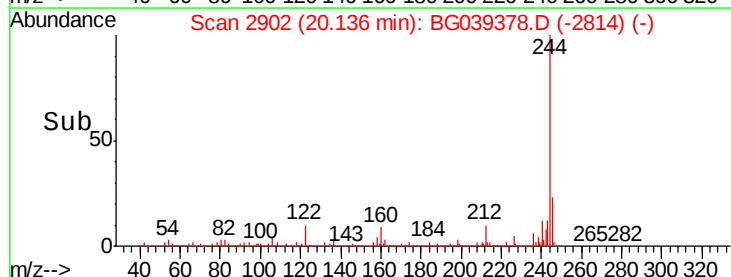
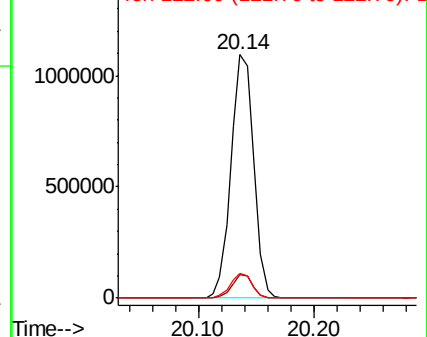
244 100

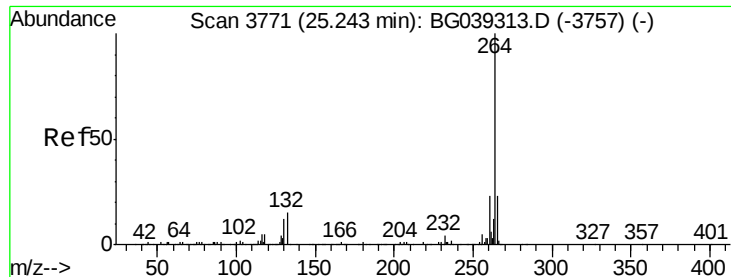
212 9.6 7.3 10.9

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: 25.22 min Scan# 3767
Delta R.T. -0.03 min
Lab File: BG039378.D
Acq: 6 Feb 2019 19:54

Instrument :
BNA_G
ClientSampleId :
AU-06-020519-A

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.2	27.4
265	20.5	18.5	27.7

