

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022119\
 Data File : BG039574.D
 Acq On : 21 Feb 2019 16:51
 Operator : JU/SJ
 Sample : K1349-12
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-021919-B

Quant Time: Feb 21 22:02:58 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

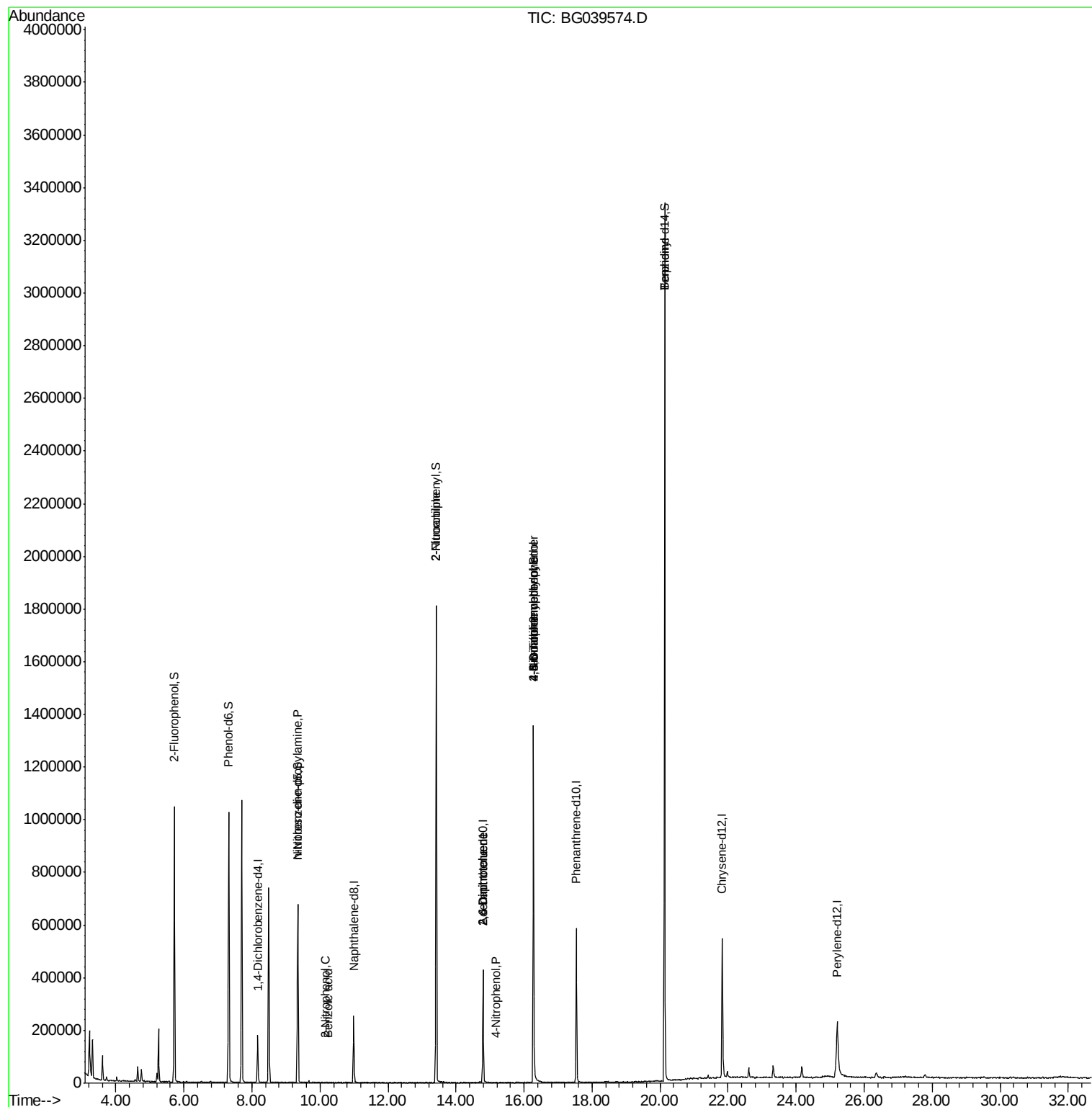
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	49816	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	217887	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	153102	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	376478	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	369188	20.00	ng	-0.03
87) Perylene-d12	25.21	264	296928	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	430764	148.00	ng	0.00
7) Phenol-d6	7.32	99	596093	139.13	ng	0.00
23) Nitrobenzene-d5	9.35	82	406177	116.46	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	244116	148.07	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	971054	90.99	ng	-0.02
79) Terphenyl-d14	20.13	244	1537478	88.15	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.32	77	938	Below Cal	Qvalue	# 4
19) n-Nitroso-di-n-propylamine	9.35	70	52330	17.209 ng	#	69
26) 2-Nitrophenol	10.16	139	57	4.051 ng	#	31
32) Benzoic acid	10.24	122	64	9.046 ng	#	1
48) 2-Nitroaniline	13.41	65	1596	8.776 ng	#	1
51) 2,6-Dinitrotoluene	14.79	165	19684	13.913 ng	#	24
56) 4-Nitrophenol	15.18	139	128	5.847 ng	#	1
57) 2,4-Dinitrotoluene	14.79	165	19684	13.391 ng	#	19
62) 4-Nitroaniline	16.27	138	66	4.226 ng	#	1
65) 4,6-Dinitro-2-methylphenol	16.28	198	970	5.001 ng	#	1
67) 4-Bromophenyl-phenylether	16.28	248	19727	4.723 ng	#	1
77) Benzidine	20.13	184	27883	2.304 ng	#	94

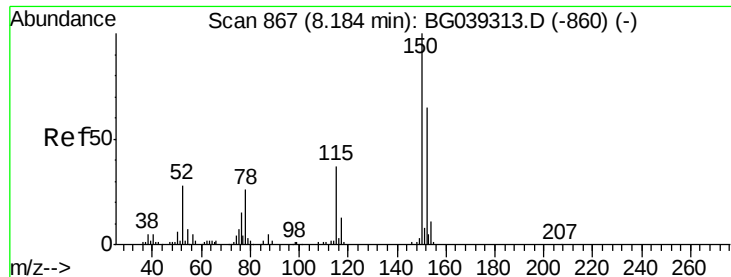
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG039574.D

Acq: 21 Feb 2019 16:51

Instrument :

BNA_G

ClientSampleId :

OR-02-021919-B

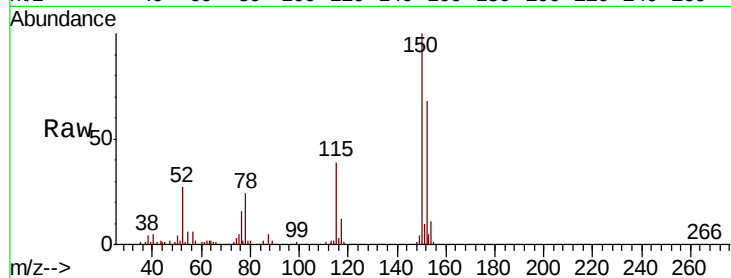
Tgt Ion:152 Resp: 49816

Ion Ratio Lower Upper

152 100

150 146.6 123.7 185.5

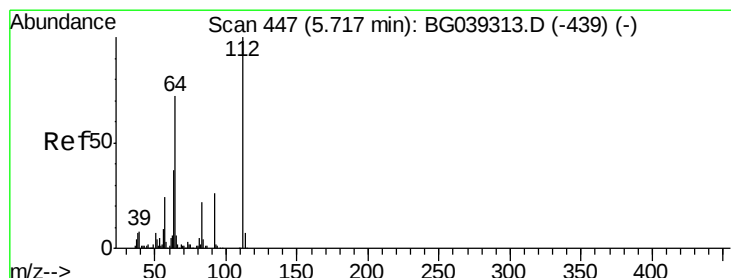
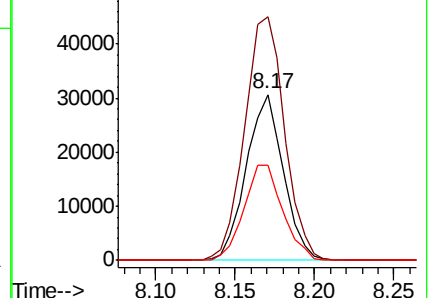
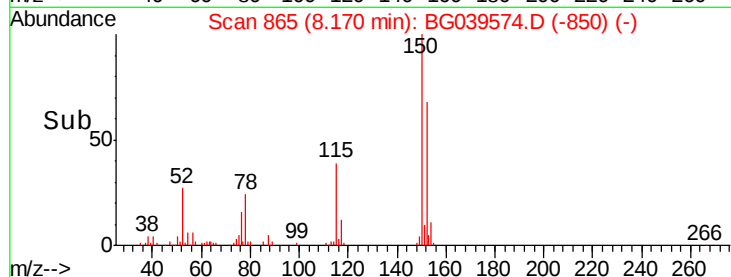
115 57.6 45.9 68.9



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: 147.996 ng

RT: 5.71 min Scan# 447

Delta R.T. -0.00 min

Lab File: BG039574.D

Acq: 21 Feb 2019 16:51

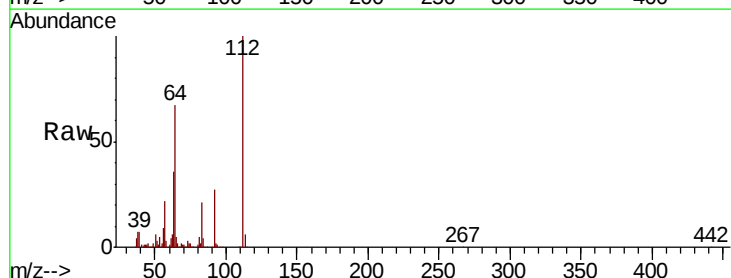
Tgt Ion:112 Resp: 430764

Ion Ratio Lower Upper

112 100

64 67.4 57.8 86.8

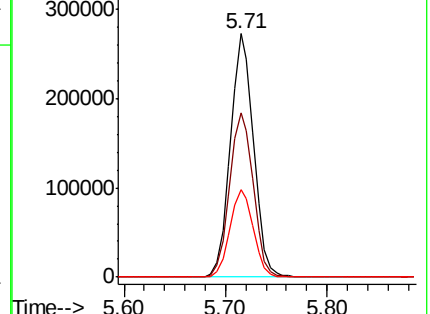
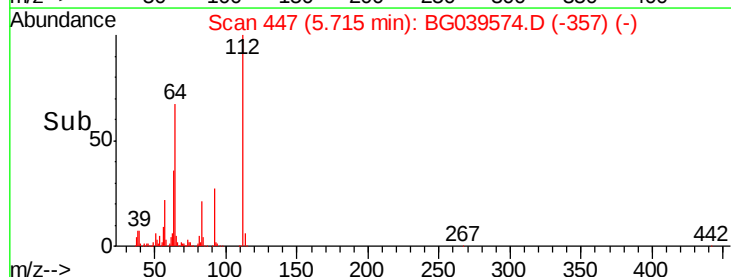
63 36.1 29.8 44.6

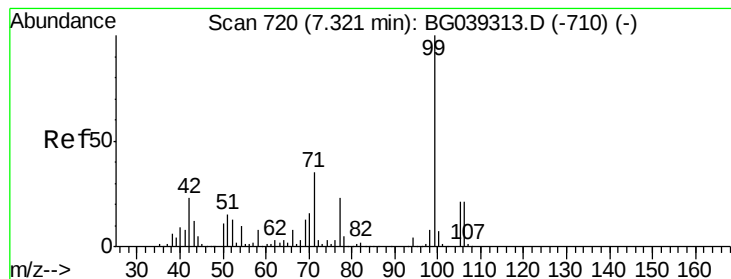


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 139.131 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039574.D

Acq: 21 Feb 2019 16:51

Instrument :

BNA_G

ClientSampleId :

OR-02-021919-B

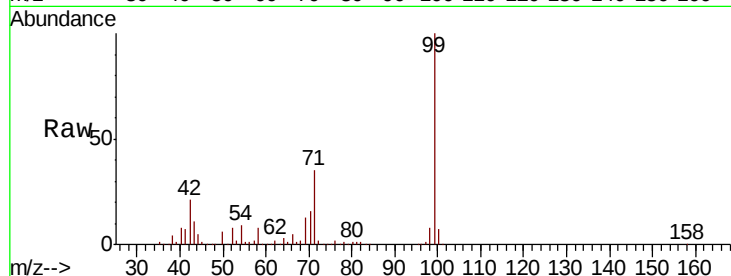
Tgt Ion: 99 Resp: 596093

Ion Ratio Lower Upper

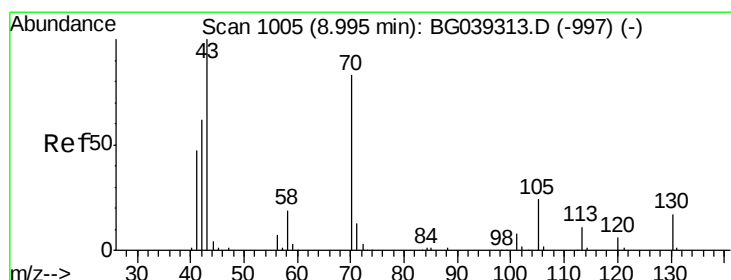
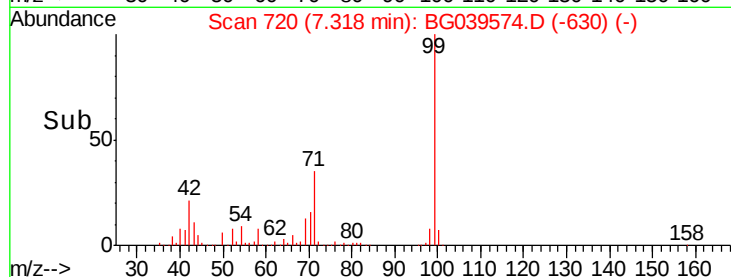
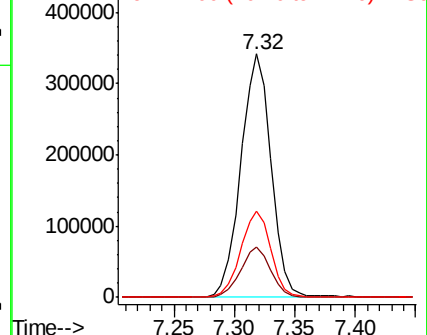
99 100

42 20.8 18.2 27.2

71 35.4 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: 17.209 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039574.D

Acq: 21 Feb 2019 16:51

Tgt Ion: 70 Resp: 52330

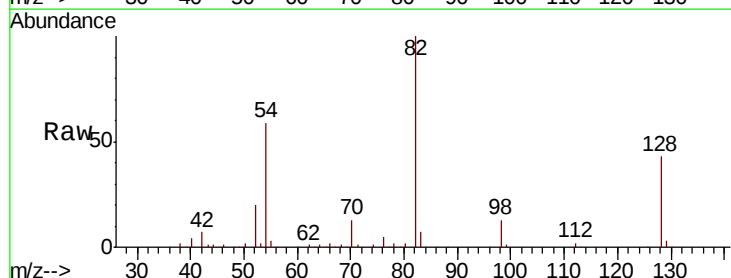
Ion Ratio Lower Upper

70 100

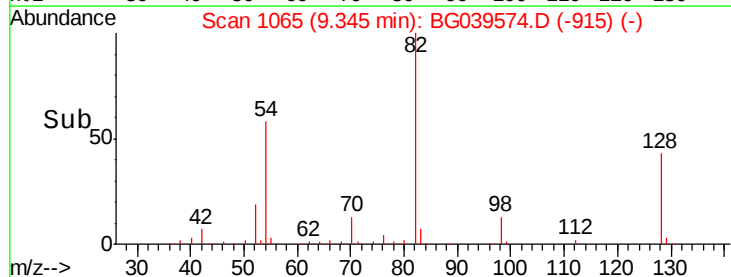
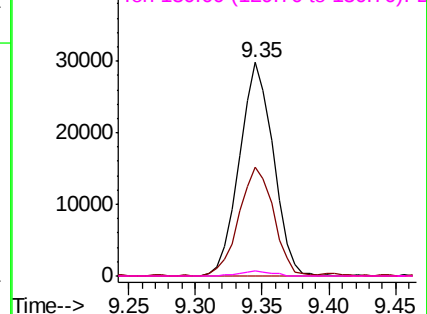
42 51.1 60.4 90.6#

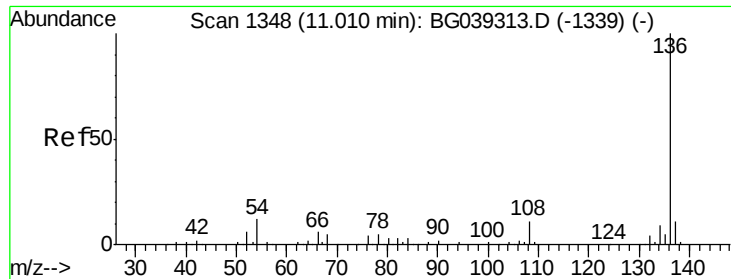
101 0.0 7.5 11.3#

130 2.4 16.9 25.3#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

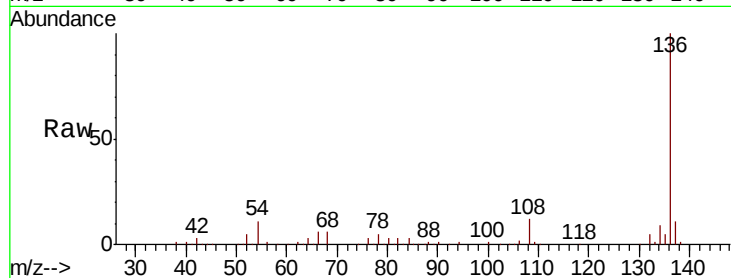




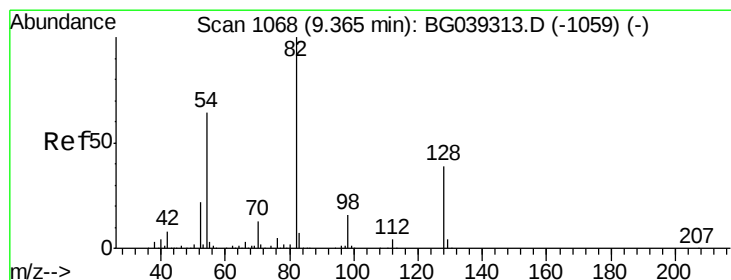
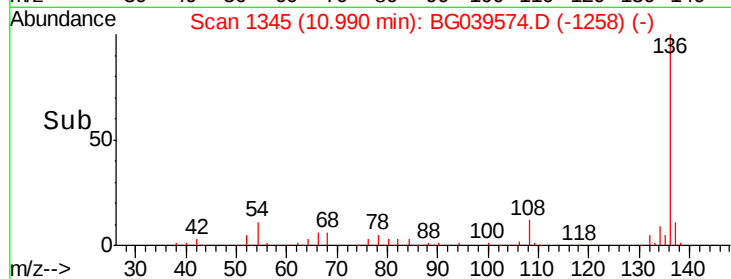
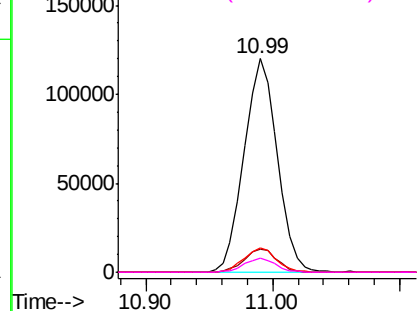
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039574.D
Acq: 21 Feb 2019 16:51

Instrument :
BNA_G
ClientSampleId :
OR-02-021919-B

Tgt Ion:	136	Resp:	217887
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	11.2	9.4	14.2
68	6.5	4.2	6.4#

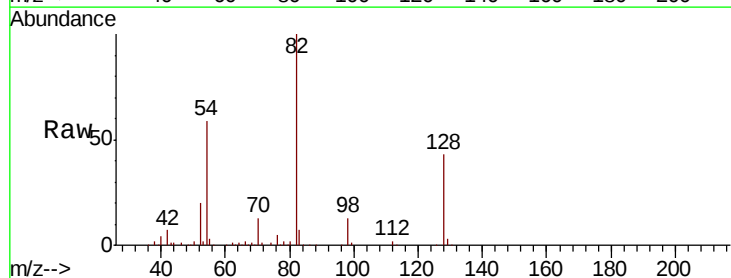


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

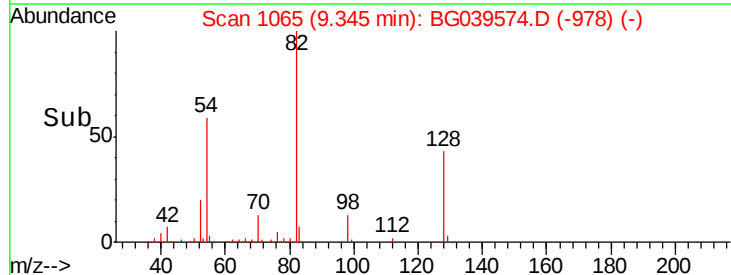
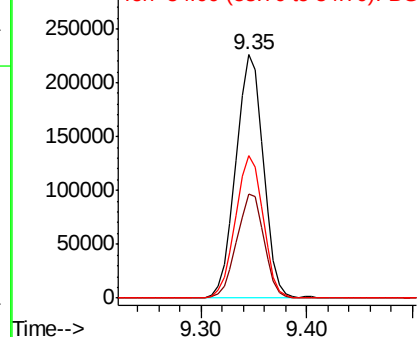


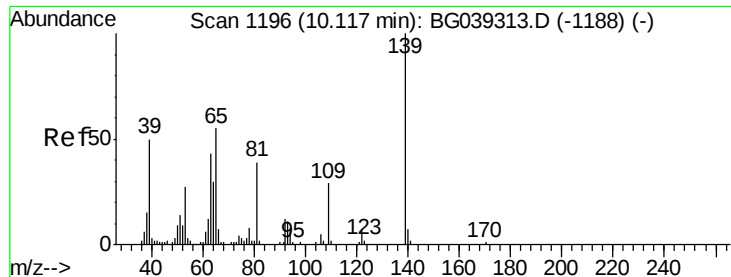
#23
Nitrobenzene-d5
Concen: 116.457 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039574.D
Acq: 21 Feb 2019 16:51

Tgt Ion:	82	Resp:	406177
Ion	Ratio	Lower	Upper
82	100		
128	42.8	31.3	46.9
54	58.7	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

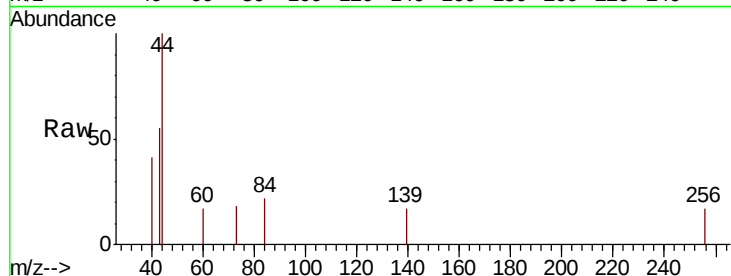




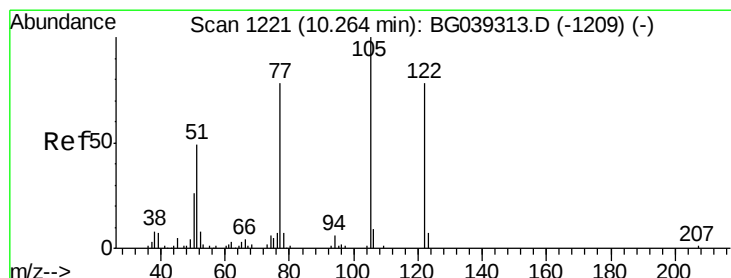
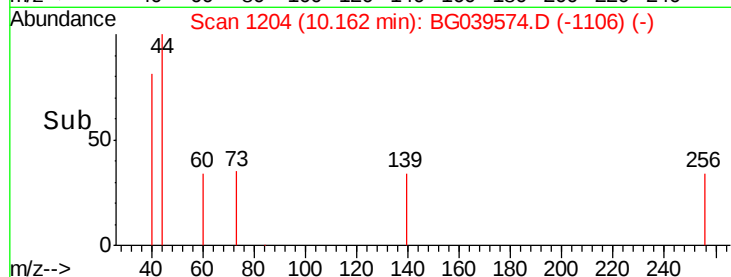
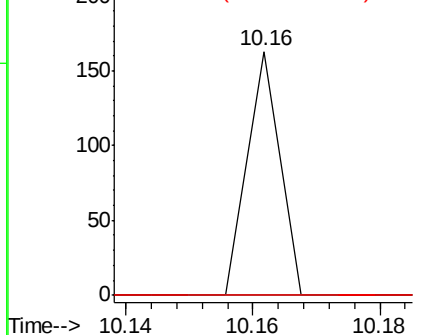
#26
2-Nitrophenol
Concen: 4.051 ng
RT: 10.16 min Scan# 1204
Delta R.T. 0.05 min
Lab File: BG039574.D
Acq: 21 Feb 2019 16:51

Instrument :
BNA_G
ClientSampleId :
OR-02-021919-B

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

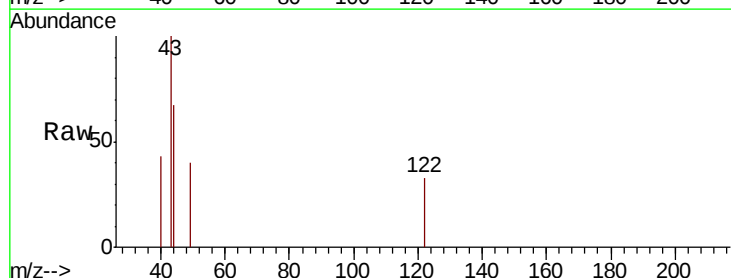


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

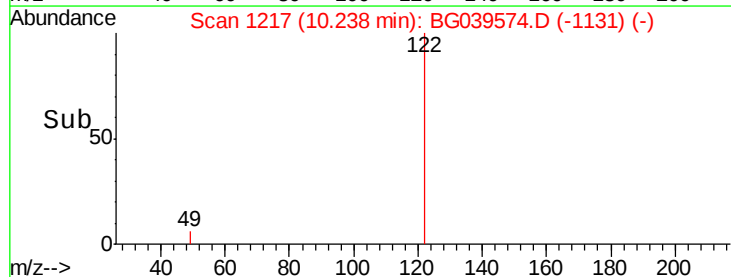
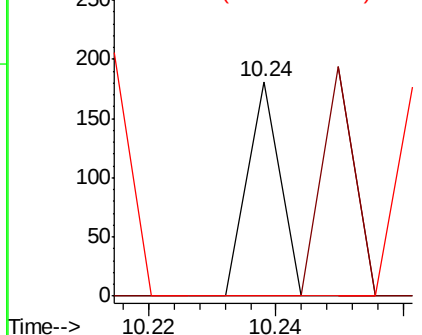


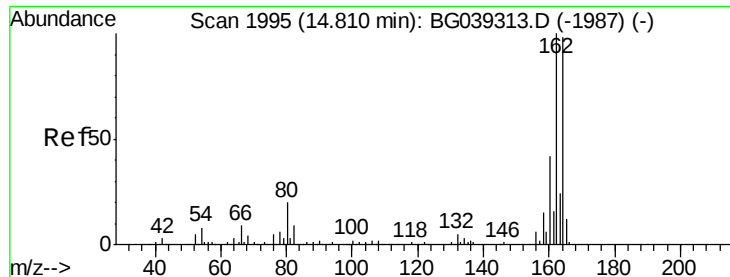
#32
Benzoic acid
Concen: 9.046 ng
RT: 10.24 min Scan# 1217
Delta R.T. -0.02 min
Lab File: BG039574.D
Acq: 21 Feb 2019 16:51

Tgt 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: BG039574.D

Acq: 21 Feb 2019 16:51

Instrument :

BNA_G

ClientSampleId :

OR-02-021919-B

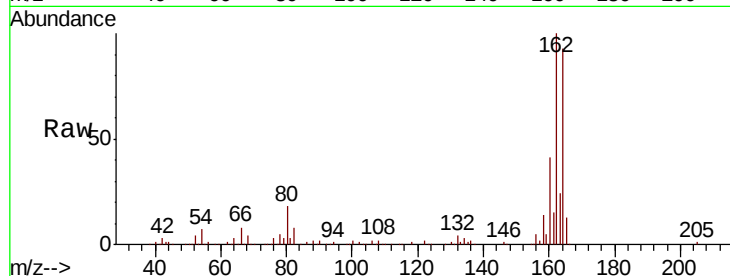
Tgt Ion:164 Resp: 153102

Ion Ratio Lower Upper

164 100

162 107.0 81.6 122.4

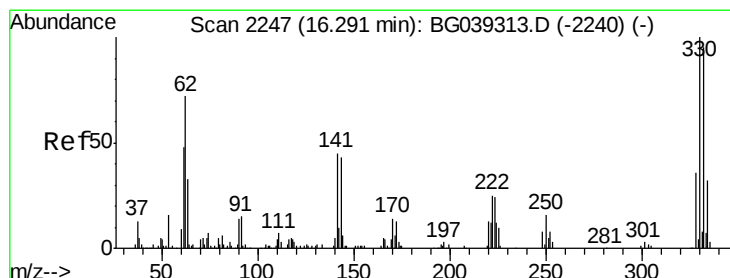
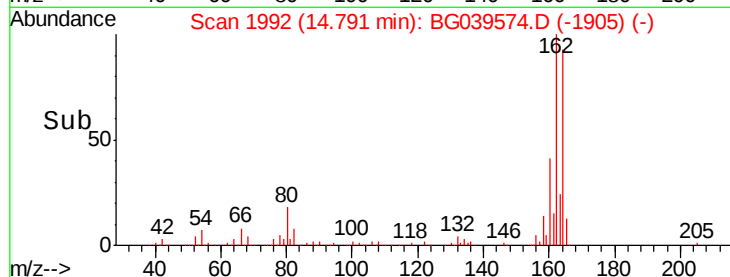
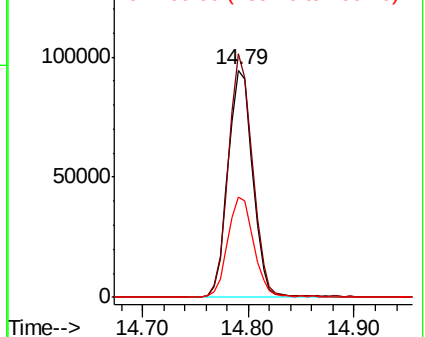
160 43.8 34.2 51.2



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: 148.071 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039574.D

Acq: 21 Feb 2019 16:51

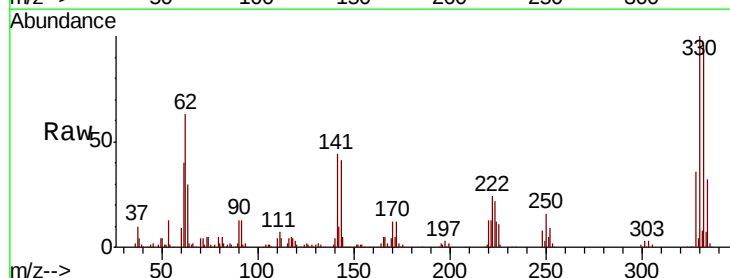
Tgt Ion:330 Resp: 244116

Ion Ratio Lower Upper

330 100

332 96.3 75.7 113.5

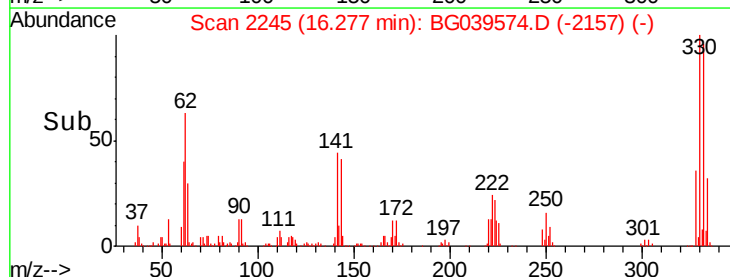
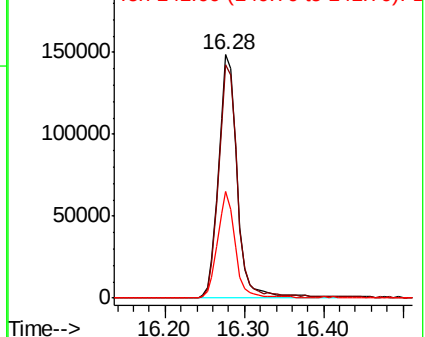
141 41.2 35.6 53.4

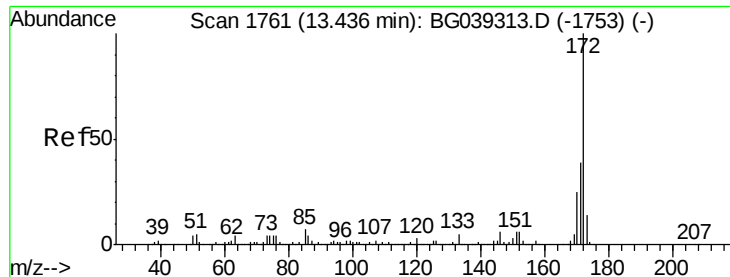


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

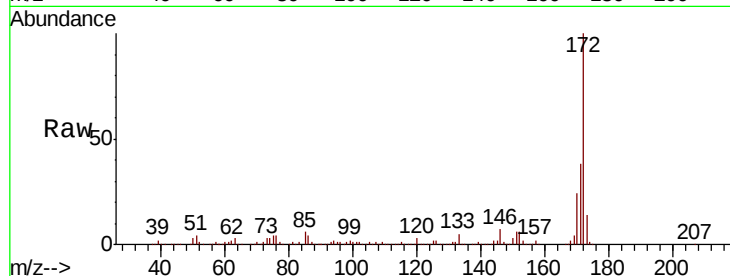




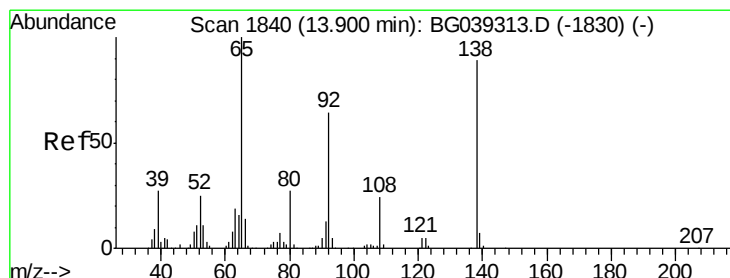
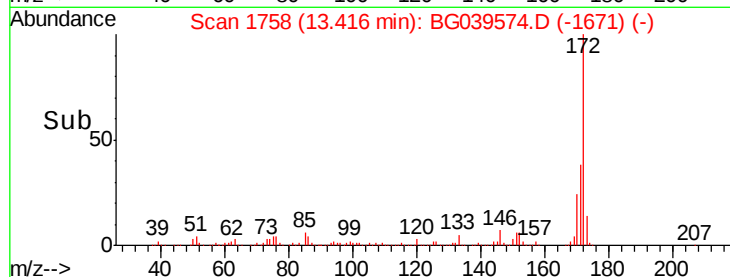
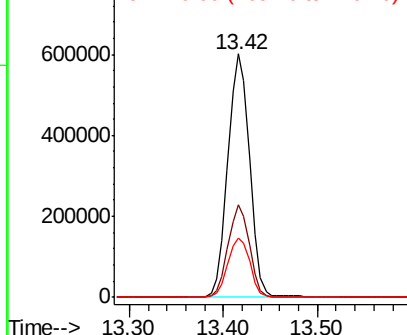
#45
 2-Fluorobiphenyl
 Concen: 90.987 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039574.D
 Acq: 21 Feb 2019 16:51

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-021919-B

Tgt Ion: 172 Resp: 971054
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.8 46.2
 170 24.4 20.2 30.4

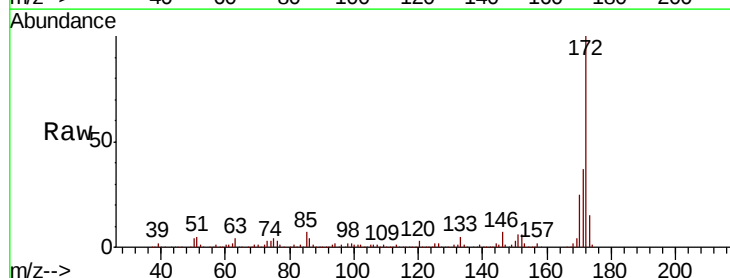


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

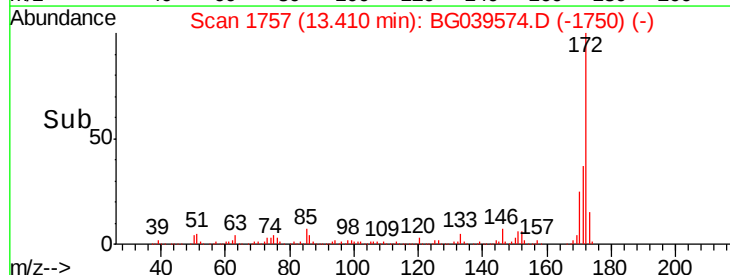
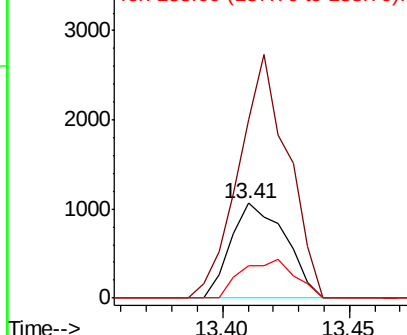


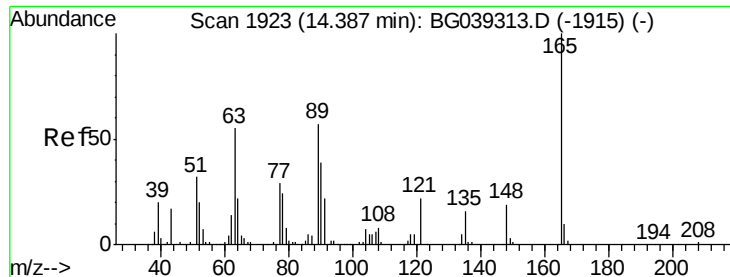
#48
 2-Nitroaniline
 Concen: 8.776 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.49 min
 Lab File: BG039574.D
 Acq: 21 Feb 2019 16:51

Tgt Ion: 65 Resp: 1596
 Ion Ratio Lower Upper
 65 100
 92 188.6 51.4 77.2#
 138 34.2 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): E





#51

2,6-Dinitrotoluene

Concen: 13.913 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039574.D

Acq: 21 Feb 2019 16:51

Instrument :

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ClientSampleId :

OR-02-021919-B

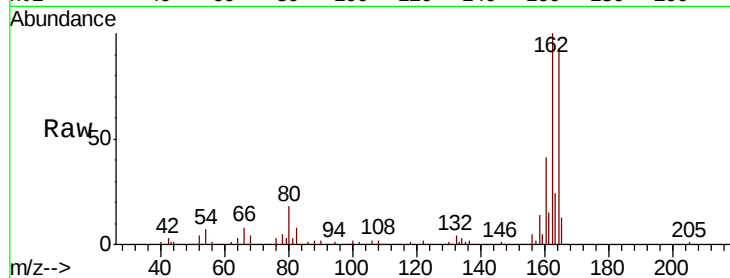
Tgt Ion:165 Resp: 19684

Ion Ratio Lower Upper

165 100

63 1.4 47.0 70.6#

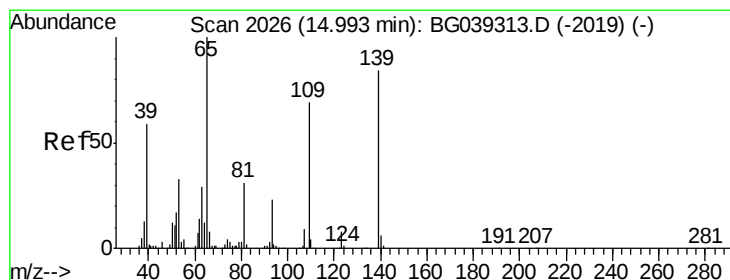
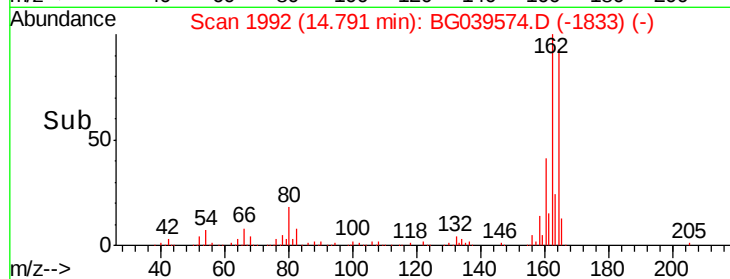
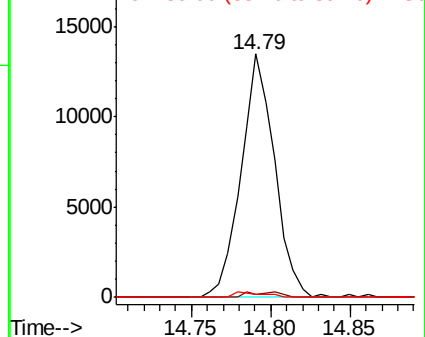
89 1.5 45.8 68.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#56

4-Nitrophenol

Concen: 5.847 ng

RT: 15.18 min Scan# 2058

Delta R.T. 0.19 min

Lab File: BG039574.D

Acq: 21 Feb 2019 16:51

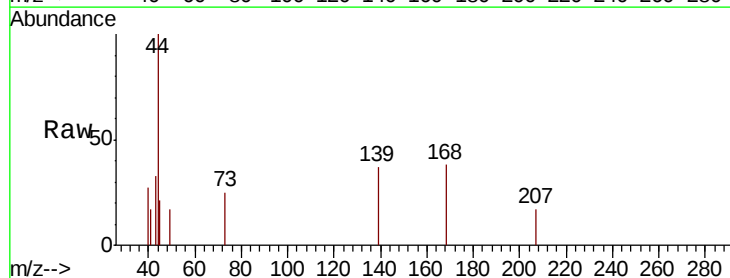
Tgt Ion:139 Resp: 128

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

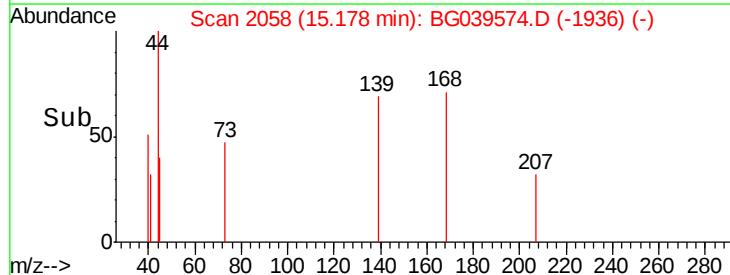
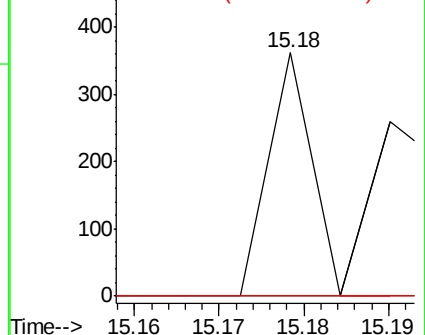
65 0.0 99.1 139.1#

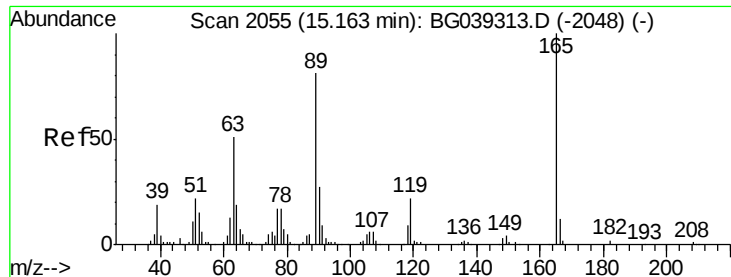


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

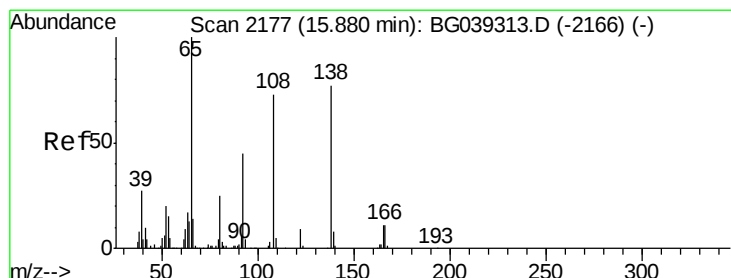
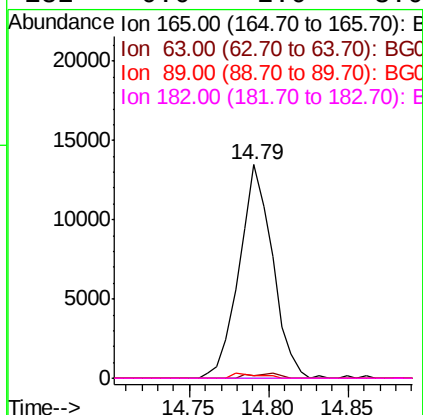
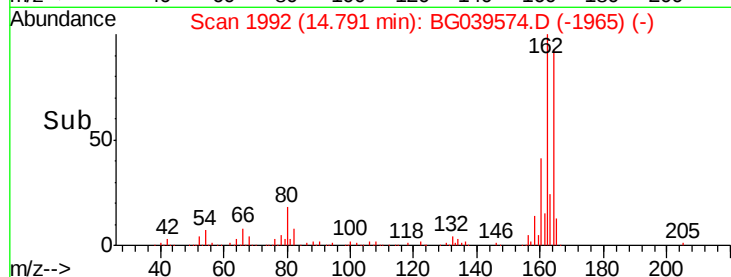
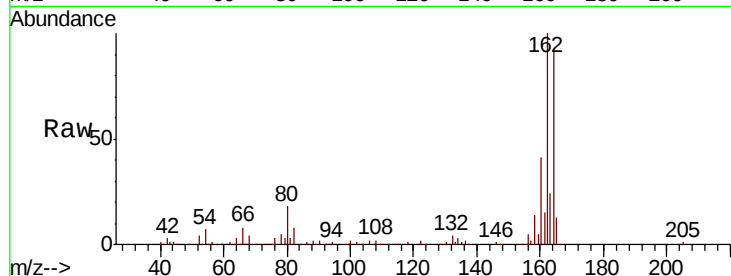




#57
 2,4-Dinitrotoluene
 Concen: 13.391 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.37 min
 Lab File: BG039574.D
 Acq: 21 Feb 2019 16:51

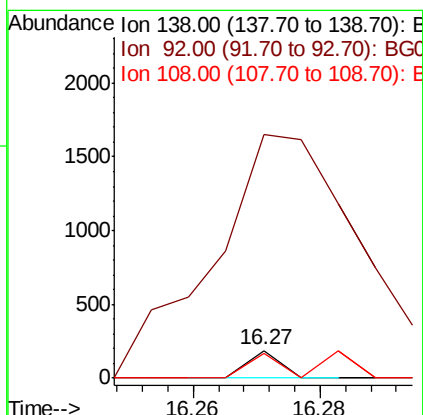
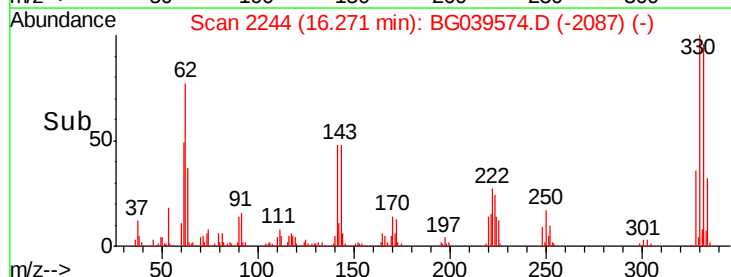
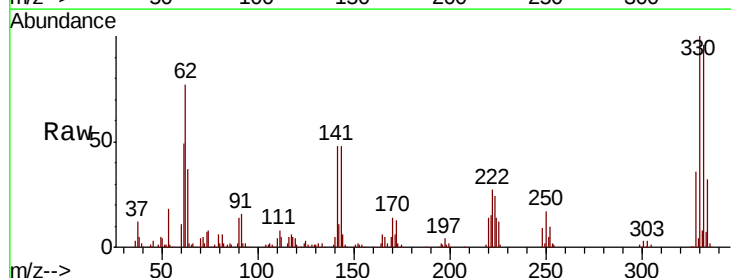
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-021919-B

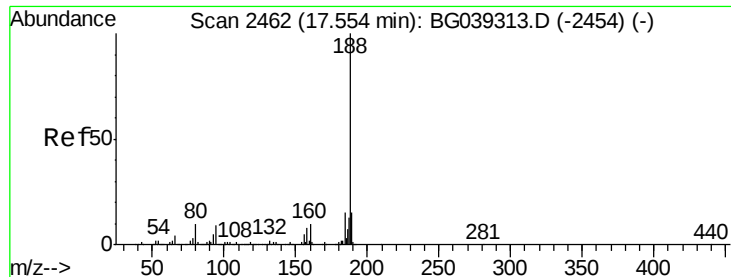
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	41.0	61.6#
89	1.5	64.6	96.8#
182	0.0	2.0	3.0#



#62
 4-Nitroaniline
 Concen: 4.226 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. 0.39 min
 Lab File: BG039574.D
 Acq: 21 Feb 2019 16:51

Tgt Ion	Ratio	Lower	Upper
138	100		
92	882.9	38.7	78.7#
108	90.9	74.6	114.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039574.D

Acq: 21 Feb 2019 16:51

Instrument :

BNA_G

ClientSampleId :

OR-02-021919-B

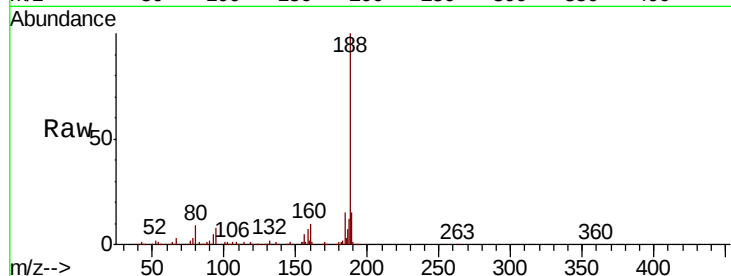
Tgt Ion:188 Resp: 376478

Ion Ratio Lower Upper

188 100

94 8.0 6.9 10.3

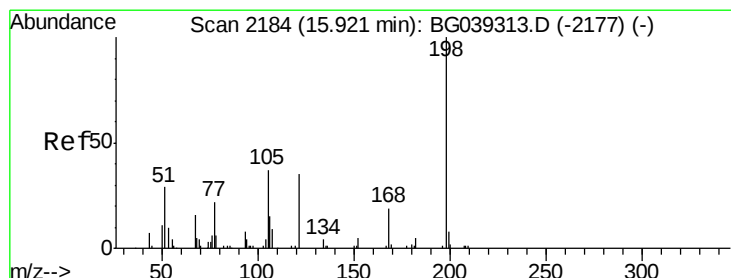
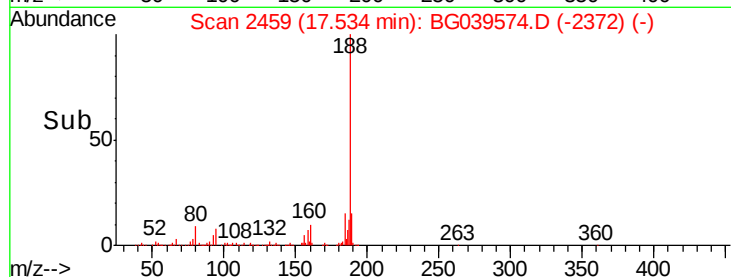
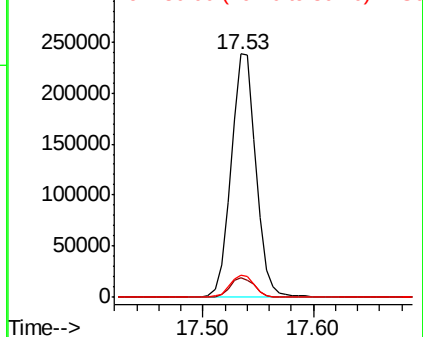
80 9.2 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 5.001 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039574.D

Acq: 21 Feb 2019 16:51

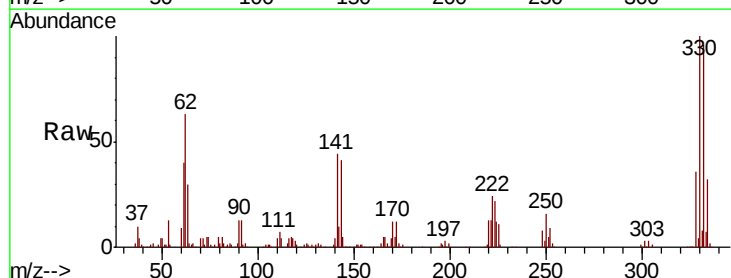
Tgt Ion:198 Resp: 970

Ion Ratio Lower Upper

198 100

51 138.2 27.4 67.4#

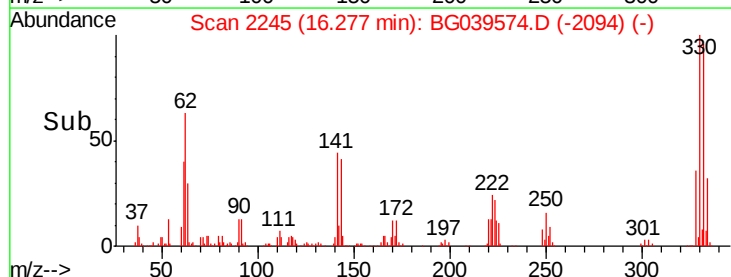
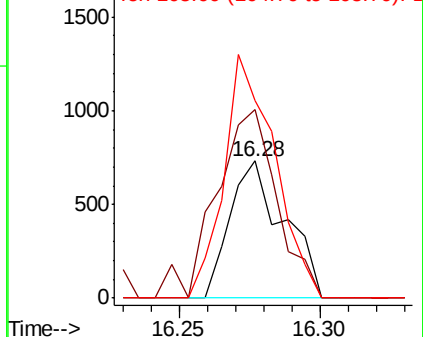
105 144.5 19.7 59.7#

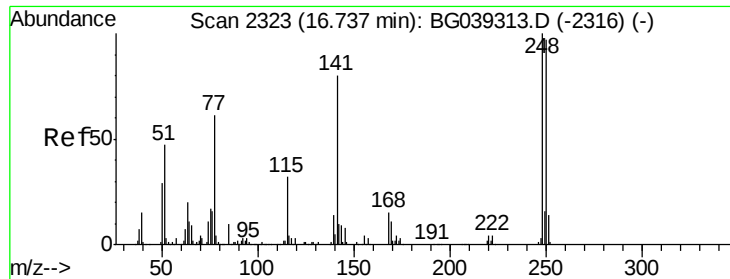


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

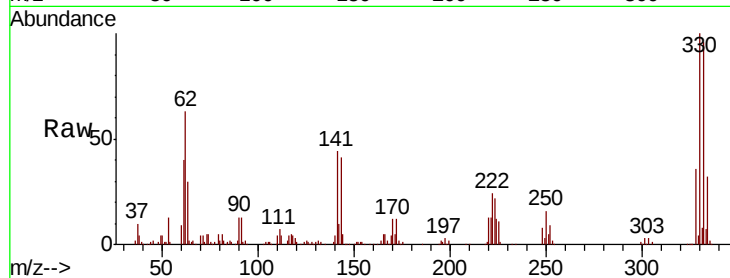




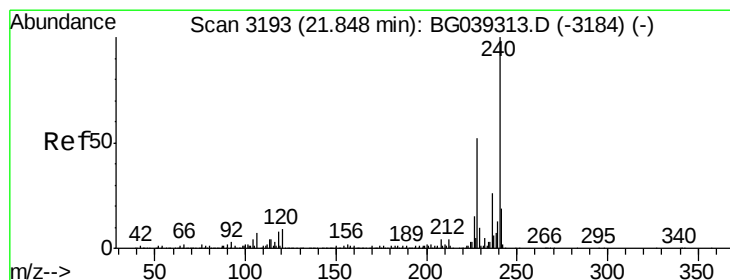
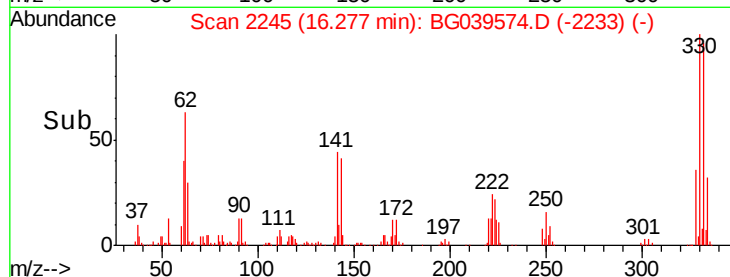
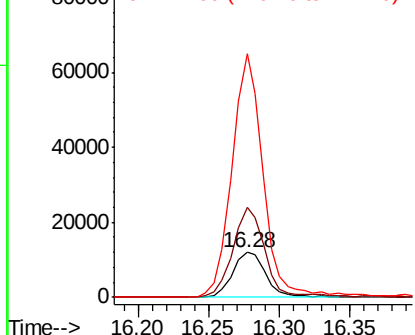
#67
4-Bromophenyl-phenylether
Concen: 4.723 ng
RT: 16.28 min Scan# 2245
Delta R.T. -0.46 min
Lab File: BG039574.D
Acq: 21 Feb 2019 16:51

Instrument :
BNA_G
ClientSampleId :
OR-02-021919-B

Tgt Ion:248 Resp: 19727
Ion Ratio Lower Upper
248 100
250 201.0 77.6 116.4#
141 540.2 63.9 95.9#

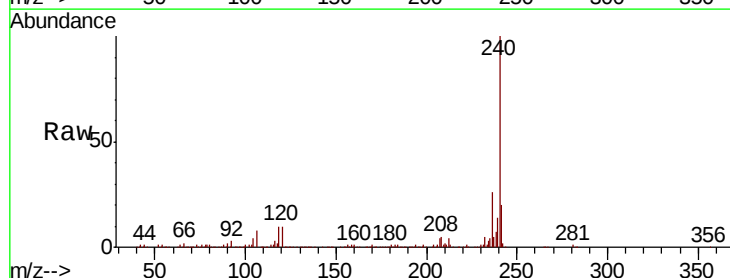


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

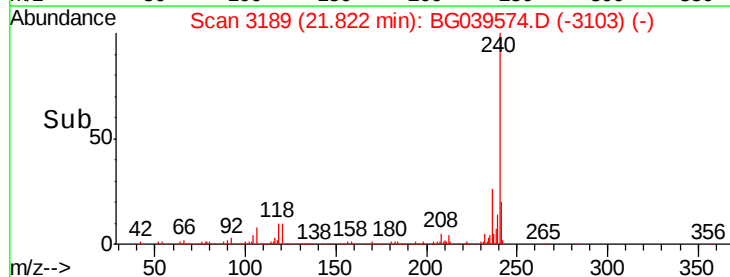
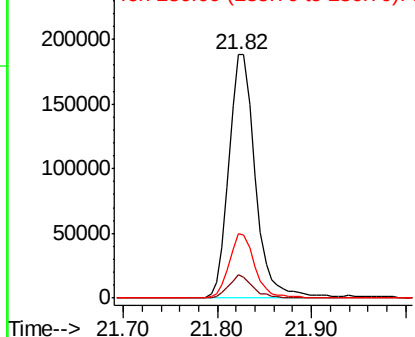


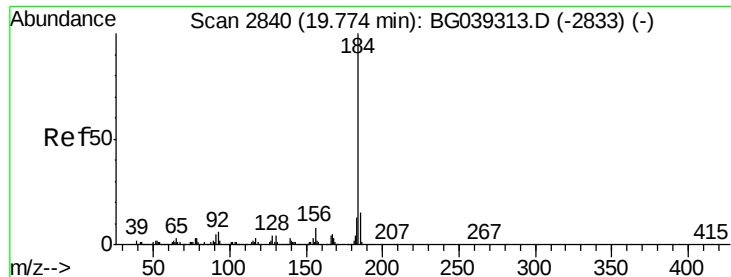
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3189
Delta R.T. -0.03 min
Lab File: BG039574.D
Acq: 21 Feb 2019 16:51

Tgt Ion:240 Resp: 369188
Ion Ratio Lower Upper
240 100
120 9.8 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: 2.304 ng

RT: 20.13 min Scan# 2901

Delta R.T. 0.36 min

Lab File: BG039574.D

Acq: 21 Feb 2019 16:51

Instrument :

BNA_G

ClientSampleId :

OR-02-021919-B

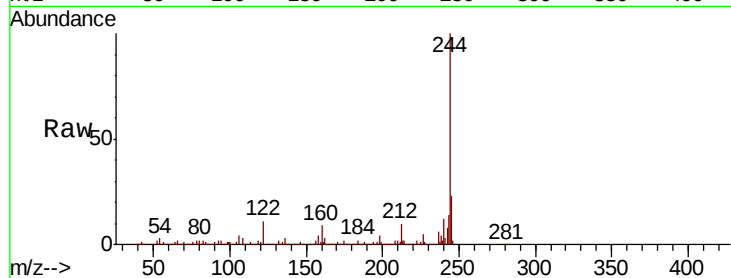
Tgt Ion:184 Resp: 27883

Ion Ratio Lower Upper

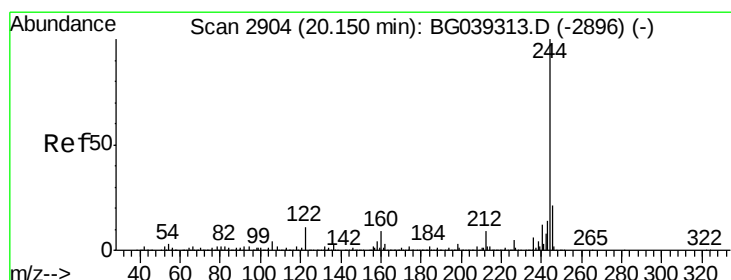
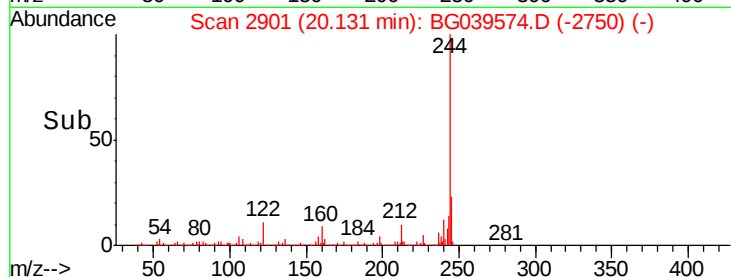
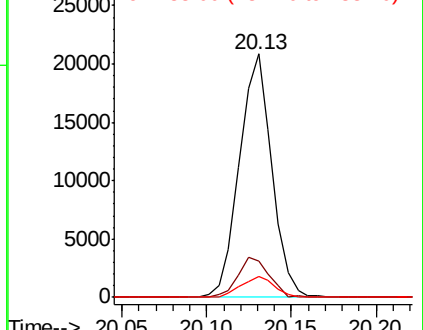
184 100

185 14.8 12.2 18.2

183 8.8 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: 88.149 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039574.D

Acq: 21 Feb 2019 16:51

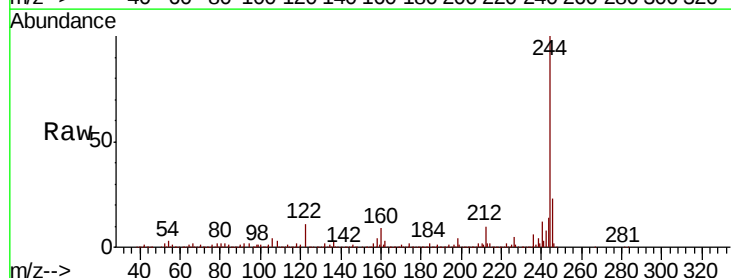
Tgt Ion:244 Resp: 1537478

Ion Ratio Lower Upper

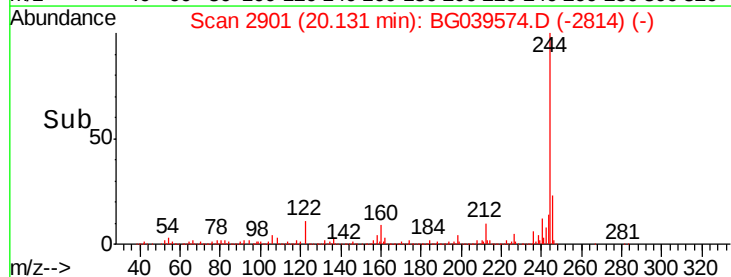
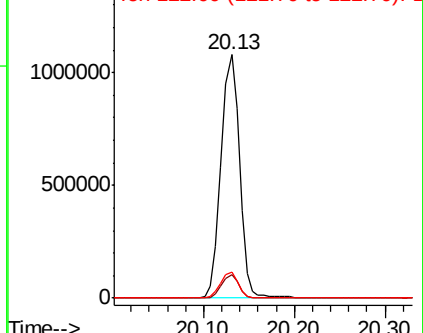
244 100

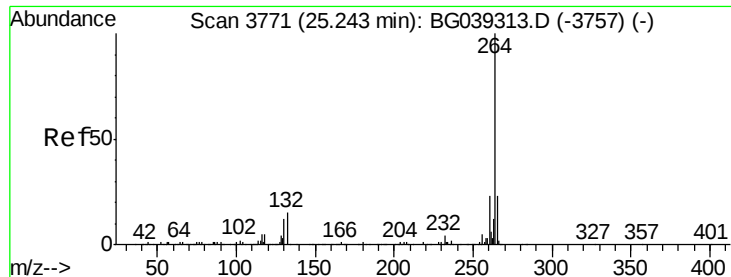
212 9.7 7.3 10.9

122 10.6 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: BG039574.D
Acq: 21 Feb 2019 16:51

Instrument :
BNA_G
ClientSampleId :
OR-02-021919-B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.2	27.4
265	19.6	18.5	27.7

