

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020719\
 Data File : BG039411.D
 Acq On : 8 Feb 2019 10:43
 Operator : JU/SJ
 Sample : K1401-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT-3425

Quant Time: Feb 08 13:16:30 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

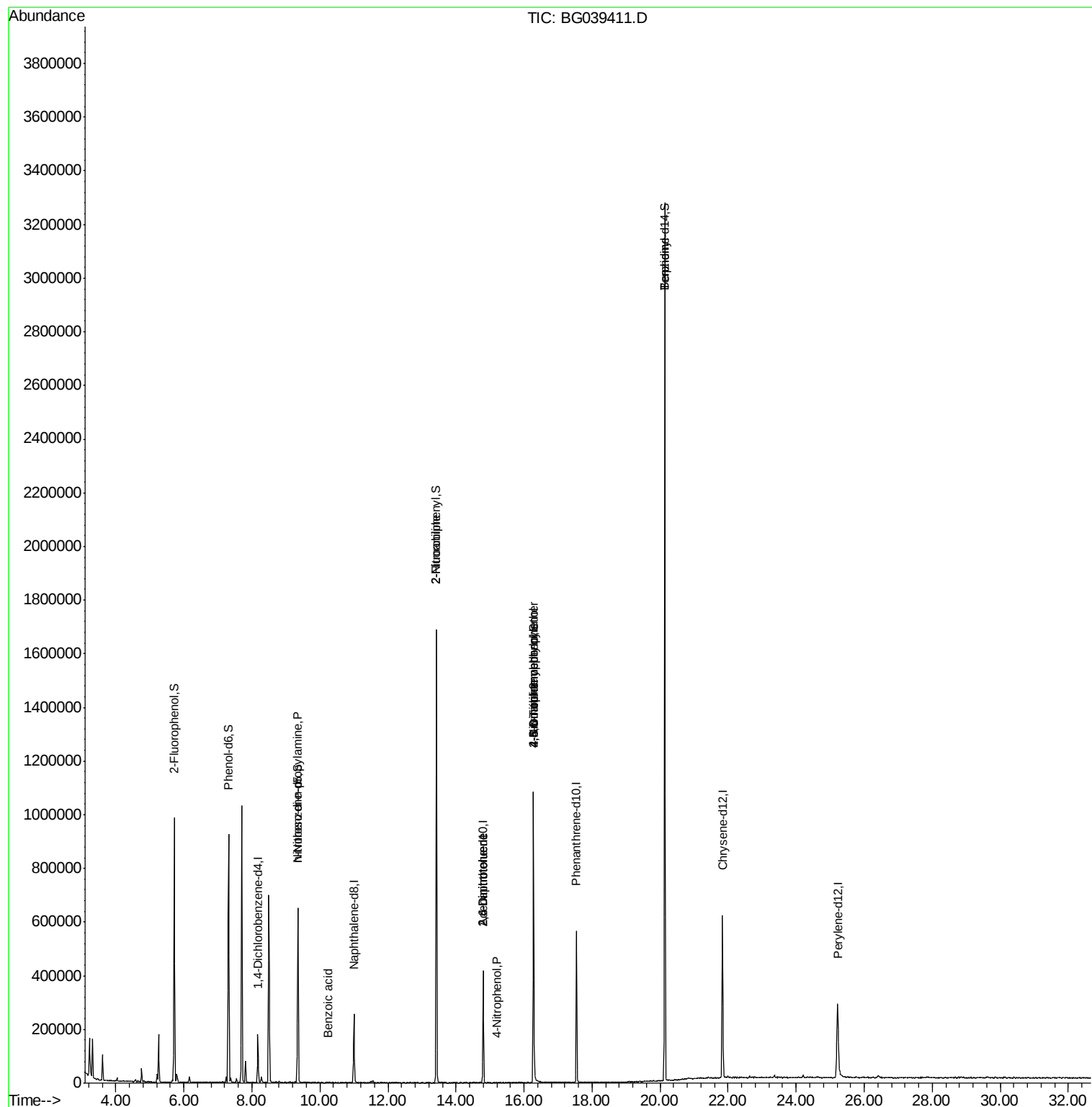
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	49330	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	219156	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	139609	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	335302	20.00	ng	-0.01
76) Chrysene-d12	21.84	240	385830	20.00	ng	-0.01
87) Perylene-d12	25.22	264	354985	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	404092	140.20	ng	0.00
7) Phenol-d6	7.31	99	522902	123.25	ng	0.00
23) Nitrobenzene-d5	9.35	82	375216	106.96	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	194169	129.16	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	865052	88.89	ng	-0.01
79) Terphenyl-d14	20.14	244	1500322	82.31	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.31	77	1733	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	9.35	70	47801	15.87	ng	# 69
32) Benzoic acid	10.25	122	62	9.05	ng	# 79
48) 2-Nitroaniline	13.42	65	1413	8.76	ng	# 1
51) 2,6-Dinitrotoluene	14.80	165	17591	13.77	ng	# 22
56) 4-Nitrophenol	15.20	139	214	5.89	ng	# 1
57) 2,4-Dinitrotoluene	14.80	165	17591	13.28	ng	# 17
62) 4-Nitroaniline	16.28	138	58	4.22	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.28	198	606	4.75	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	15345	4.13	ng	# 1
77) Benzidine	20.14	184	26452	2.09	ng	# 90

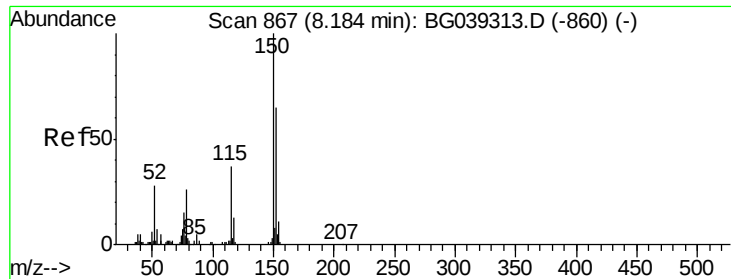
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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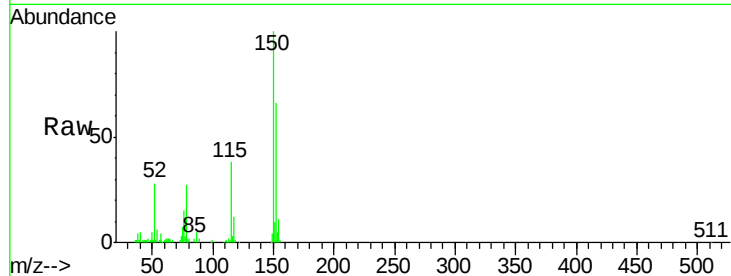


#1

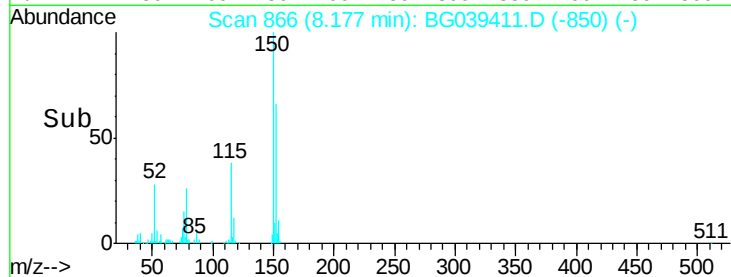
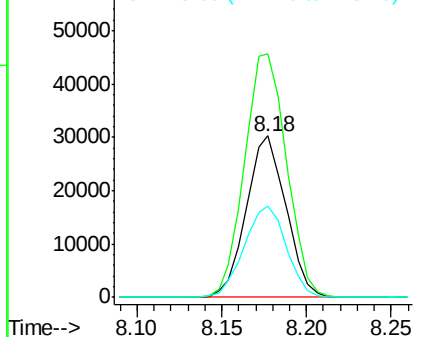
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039411.D
Acq: 8 Feb 2019 10:43

Instrument :
BNA_G
ClientSampled :
RT-3425

Tot Ion:152 Resp: 49330
Ion Ratio Lower Upper
152 100
150 150.8 123.7 185.5
115 56.8 45.9 68.9



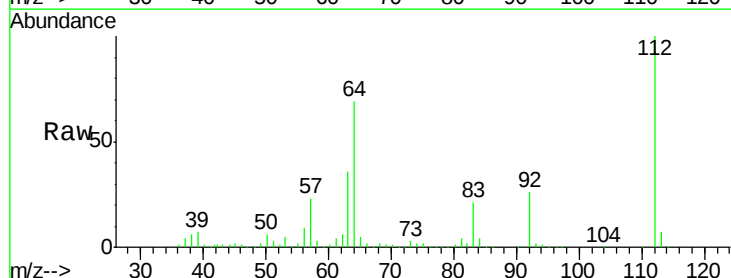
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



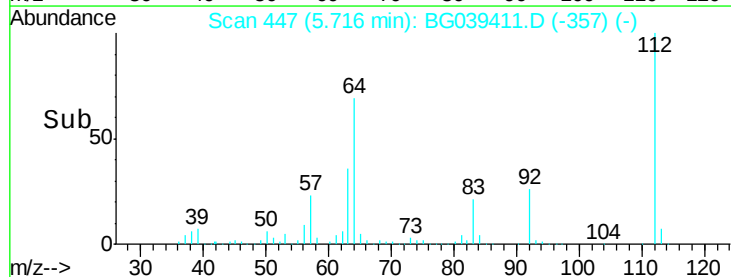
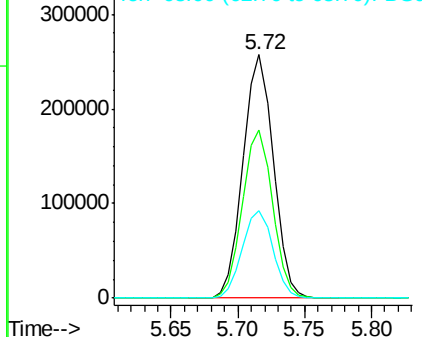
#5

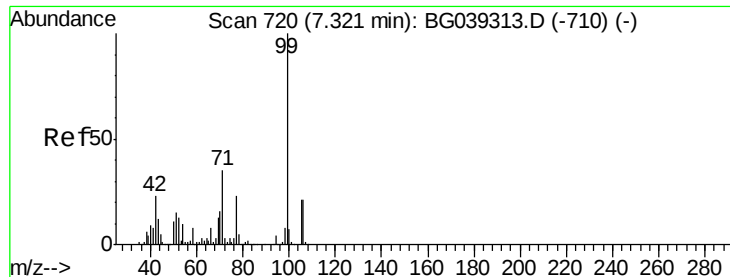
2-Fluorophenol
Concen: 140.20 ng
RT: 5.72 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039411.D
Acq: 8 Feb 2019 10:43

Tgt Ion:112 Resp: 404092
Ion Ratio Lower Upper
112 100
64 68.8 57.8 86.8
63 36.0 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: 123.25 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039411.D

Acq: 8 Feb 2019 10:43

Instrument :

BNA_G

ClientSampleId :

RT-3425

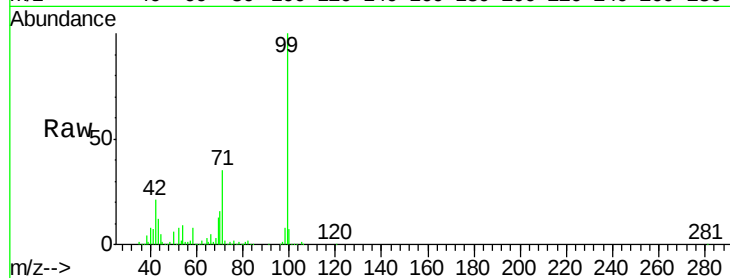
Tot Ion: 99 Resp: 522902

Ion Ratio Lower Upper

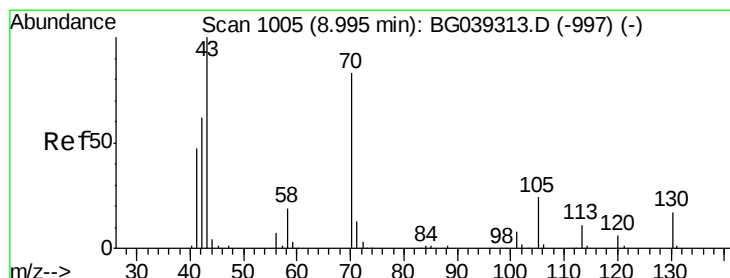
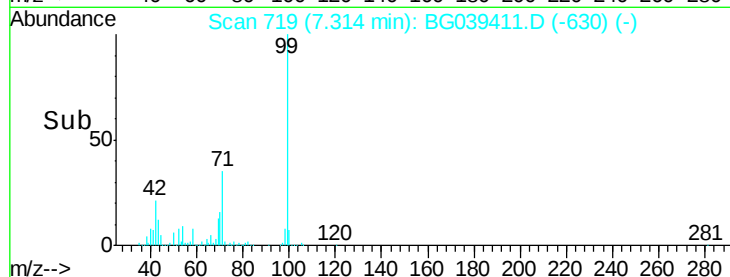
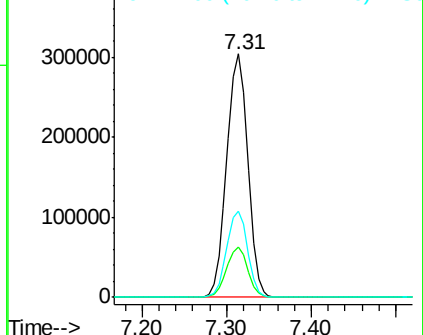
99 100

42 20.6 18.2 27.2

71 35.2 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: 15.87 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039411.D

Acq: 8 Feb 2019 10:43

Tgt Ion: 70 Resp: 47801

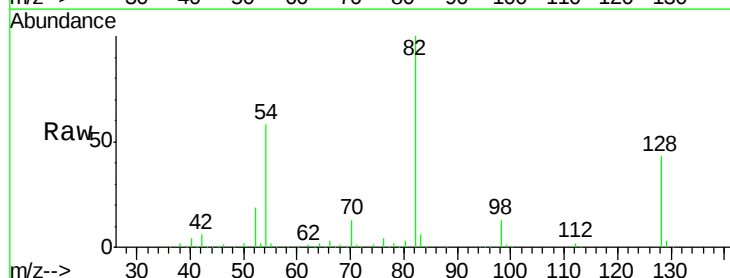
Ion Ratio Lower Upper

70 100

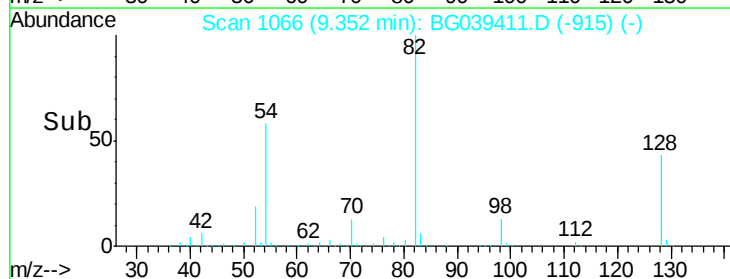
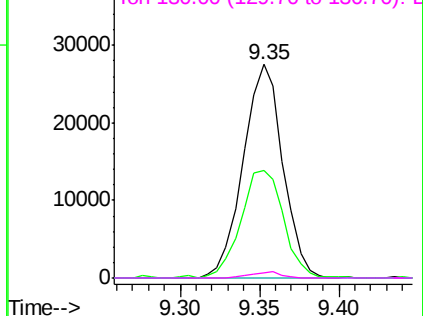
42 50.5 60.4 90.6#

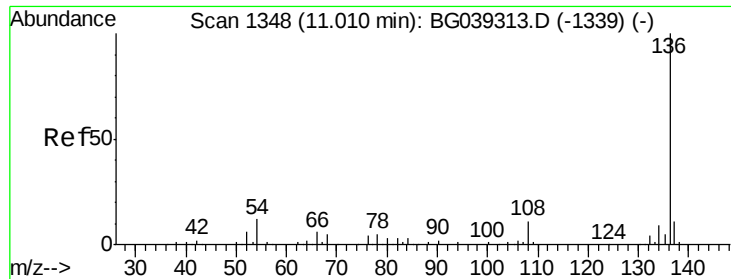
101 0.0 7.5 11.3#

130 2.2 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

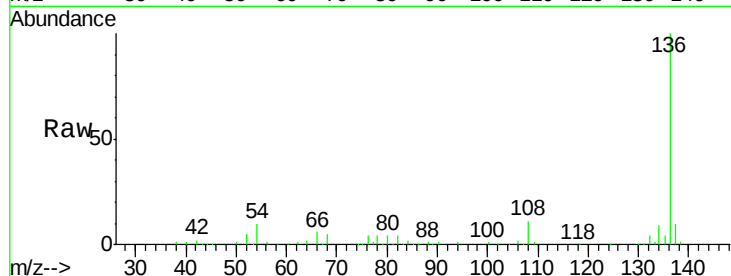




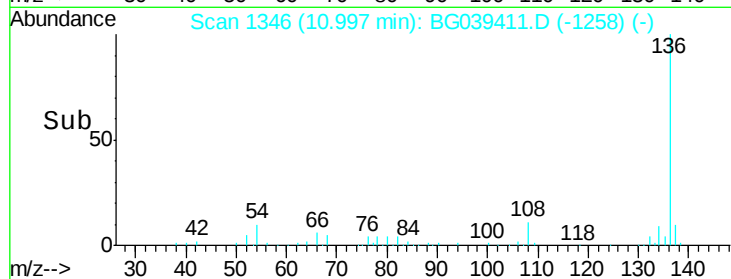
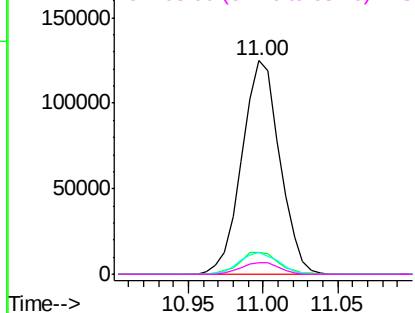
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039411.D
Acq: 8 Feb 2019 10:43

Instrument :
BNA_G
ClientSampleId :
RT-3425

Tot Ion:136	Resp:	219156
Ion Ratio	Lower	Upper
136	100	
137	10.3	9.1 13.7
54	10.4	9.4 14.2
68	5.5	4.2 6.4

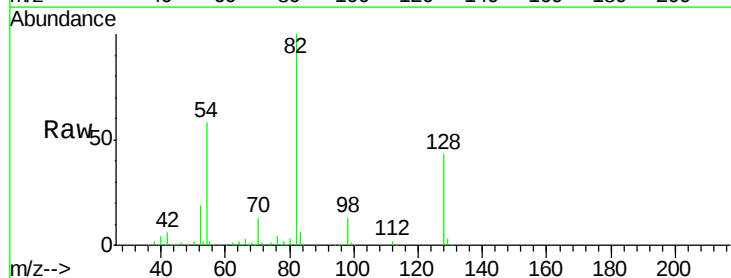


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

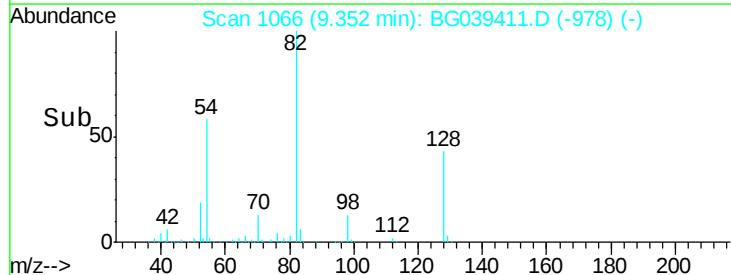
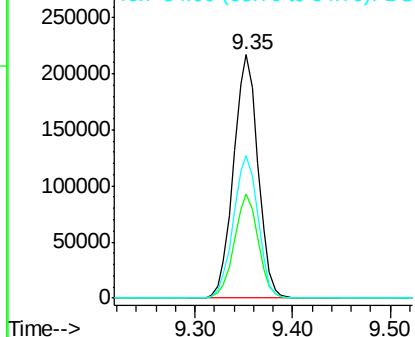


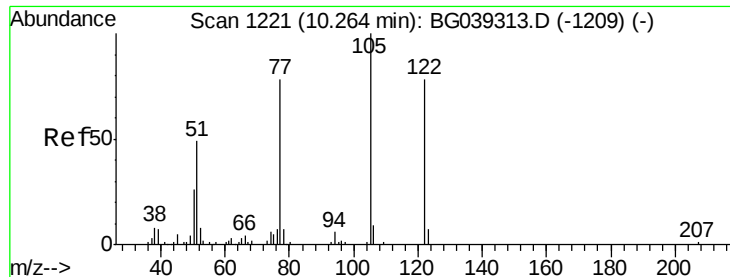
#23
Nitrobenzene-d5
Concen: 106.96 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039411.D
Acq: 8 Feb 2019 10:43

Tgt Ion: 82	Resp:	375216
Ion Ratio	Lower	Upper
82	100	
128	42.6	31.3 46.9
54	58.4	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: 9.05 ng

RT: 10.25 min Scan# 1218

Delta R.T. -0.02 min

Lab File: BG039411.D

Acq: 8 Feb 2019 10:43

Instrument :

BNA_G

ClientSampleId :

RT-3425

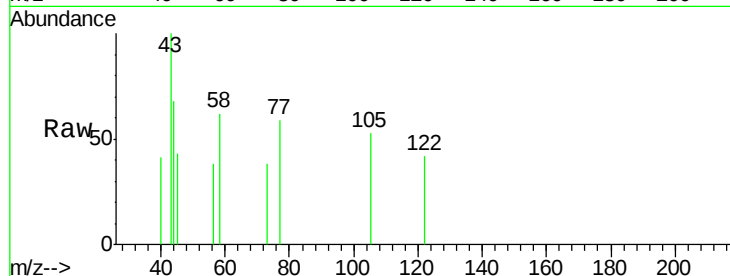
Tot Ion:122 Resp: 62

Ion Ratio Lower Upper

122 100

105 124.4 101.8 141.8

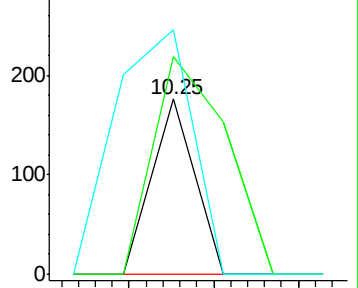
77 139.8 76.3 116.3#



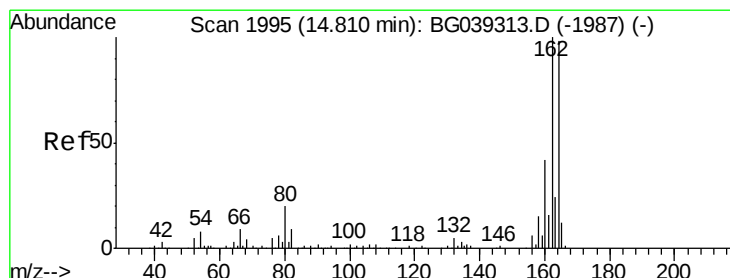
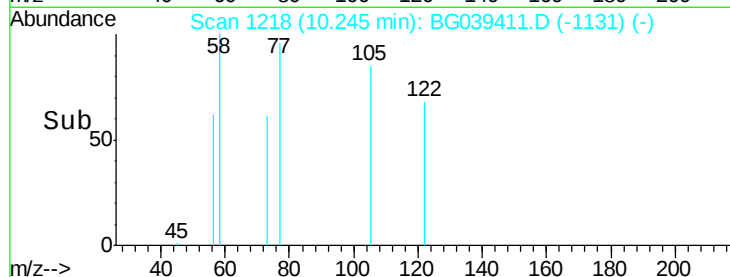
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



Time-->



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039411.D

Acq: 8 Feb 2019 10:43

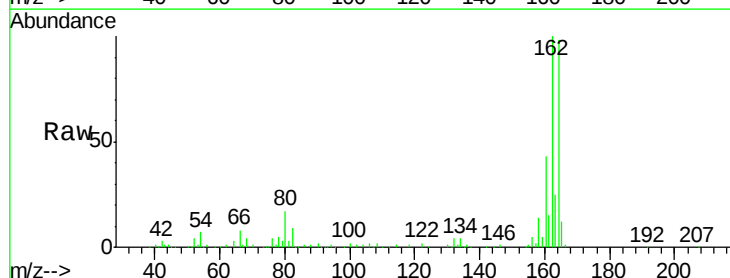
Tgt Ion:164 Resp: 139609

Ion Ratio Lower Upper

164 100

162 101.6 81.6 122.4

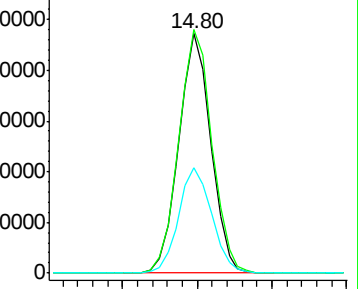
160 44.0 34.2 51.2



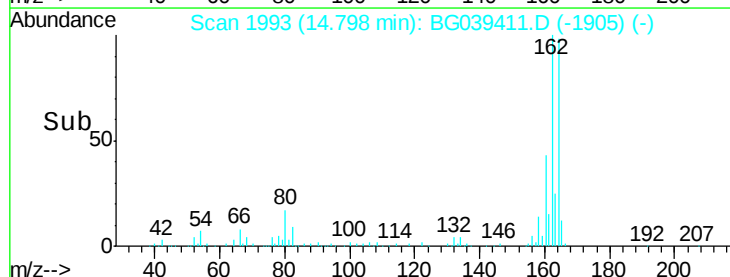
Abundance Ion 164.00 (163.70 to 164.70): E

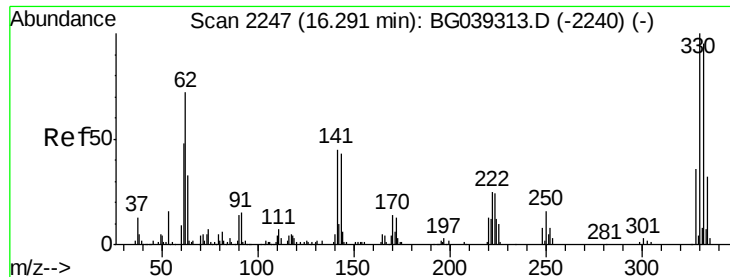
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->

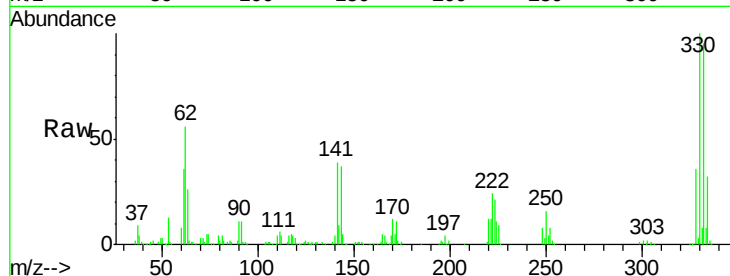




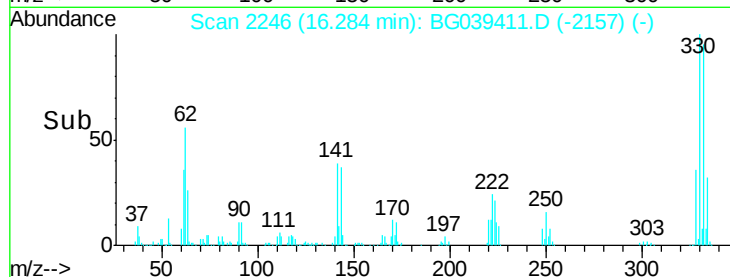
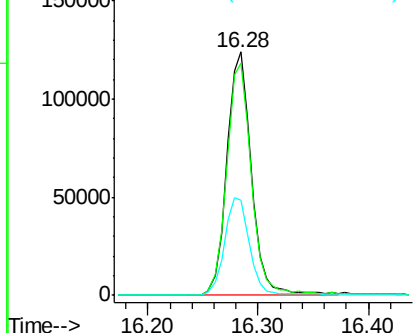
#42
 2,4,6-Tribromophenol
 Concen: 129.16 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BG039411.D
 Acq: 8 Feb 2019 10:43

Instrument :
 BNA_G
 ClientSampleId :
 RT-3425

Tot Ion:330 Resp: 194169
 Ion Ratio Lower Upper
 330 100
 332 95.9 75.7 113.5
 141 41.0 35.6 53.4

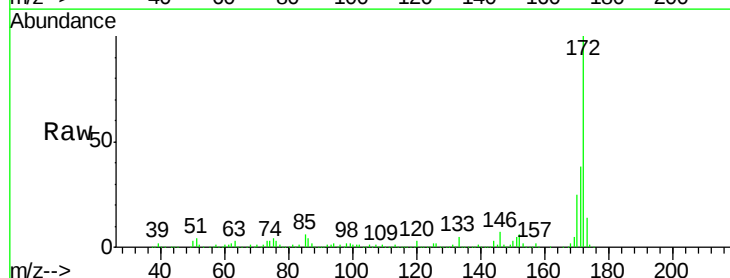


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

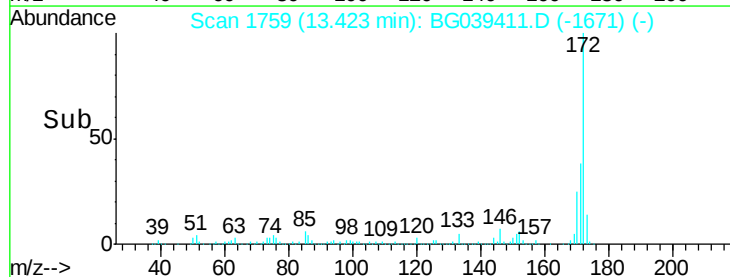
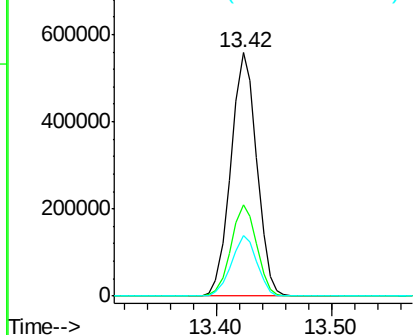


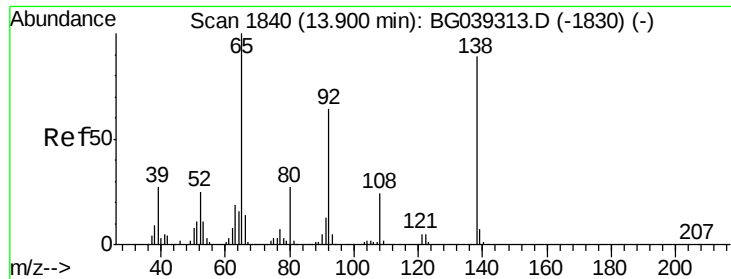
#45
 2-Fluorobiphenyl
 Concen: 88.89 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BG039411.D
 Acq: 8 Feb 2019 10:43

Tgt Ion:172 Resp: 865052
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.8 46.2
 170 25.1 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: 8.76 ng

RT: 13.42 min Scan# 1759

Delta R.T. -0.48 min

Lab File: BG039411.D

Acq: 8 Feb 2019 10:43

Instrument :

BNA_G

ClientSampleId :

RT-3425

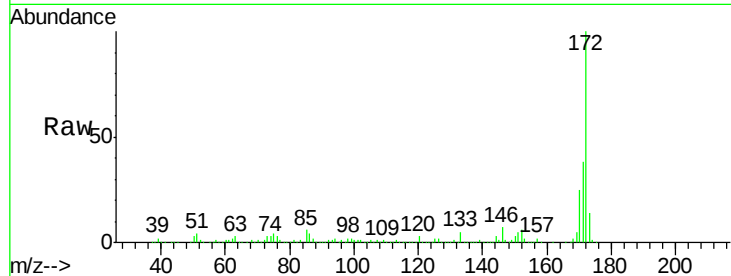
Tot Ion: 65 Resp: 1413

Ion Ratio Lower Upper

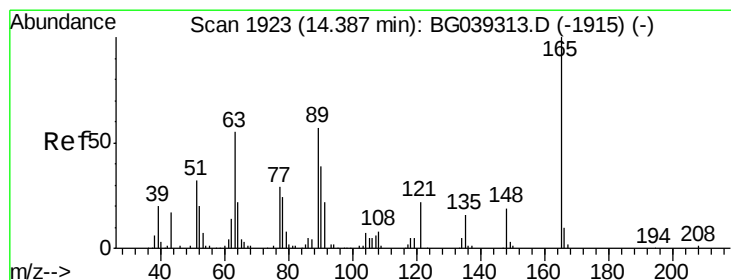
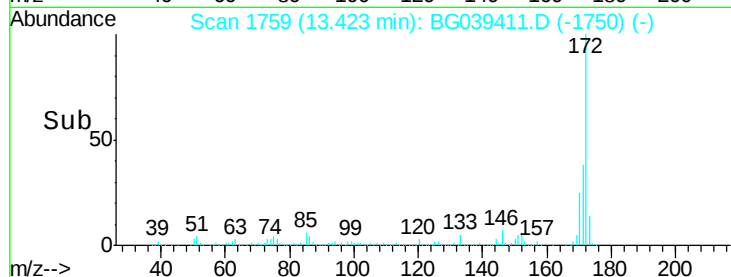
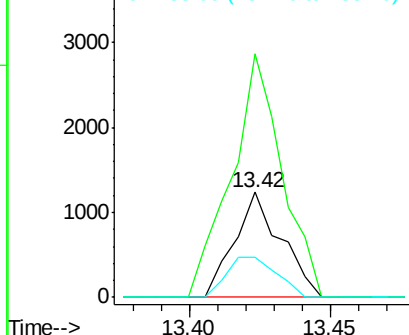
65 100

92 231.4 51.4 77.2#

138 38.2 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): BGC



#51

2,6-Dinitrotoluene

Concen: 13.77 ng

RT: 14.80 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039411.D

Acq: 8 Feb 2019 10:43

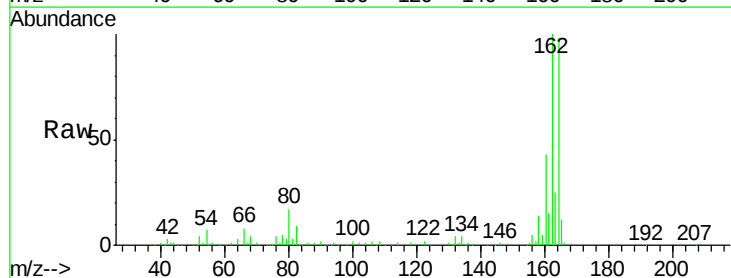
Tgt Ion: 165 Resp: 17591

Ion Ratio Lower Upper

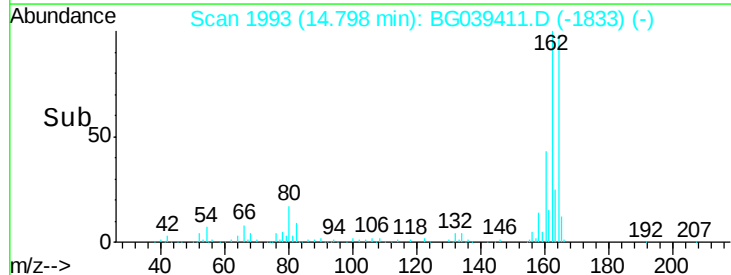
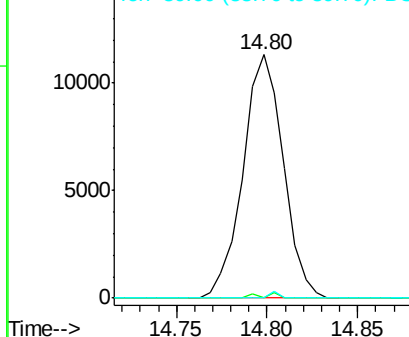
165 100

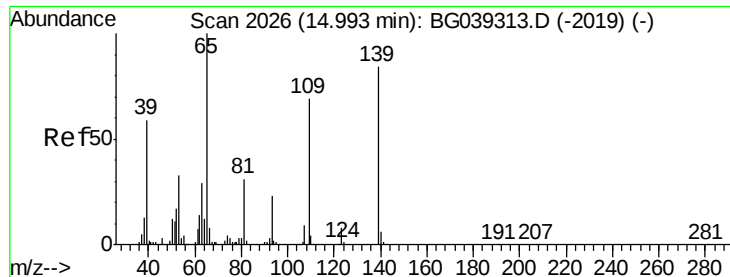
63 0.0 47.0 70.6#

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

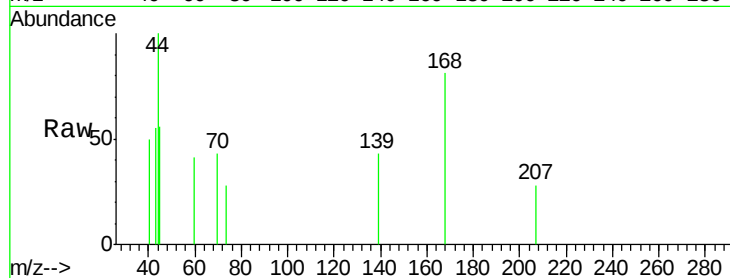




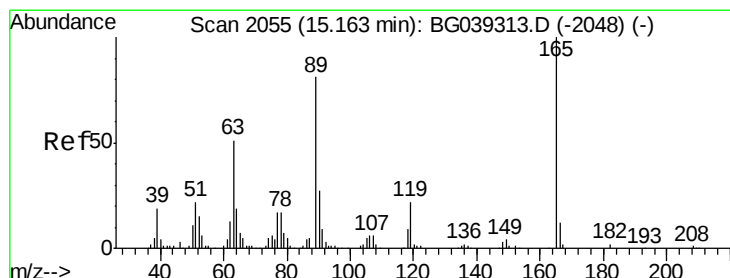
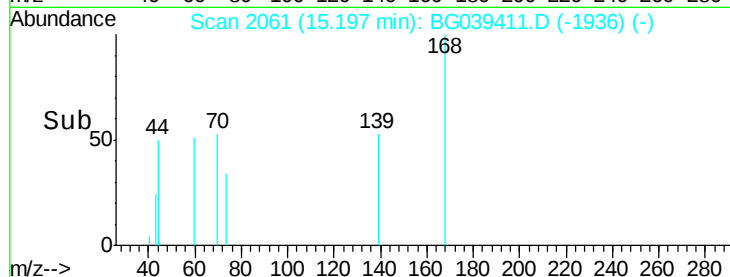
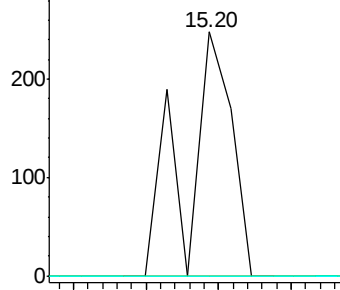
#56
4-Nitrophenol
Concen: 5.89 ng
RT: 15.20 min Scan# 2061
Delta R.T. 0.21 min
Lab File: BG039411.D
Acq: 8 Feb 2019 10:43

Instrument :
BNA_G
ClientSampleId :
RT-3425

Tot Ion:139 Resp: 214
Ion Ratio Lower Upper
139 100
109 0.0 61.9 101.9#
65 0.0 99.1 139.1#

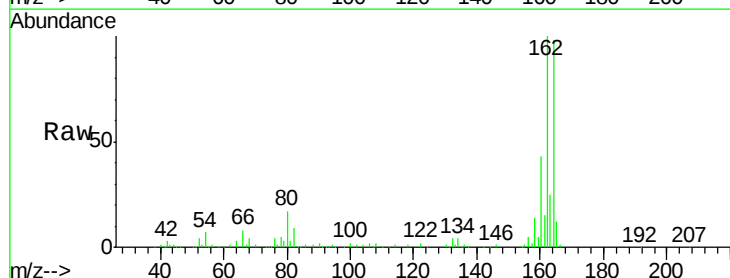


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

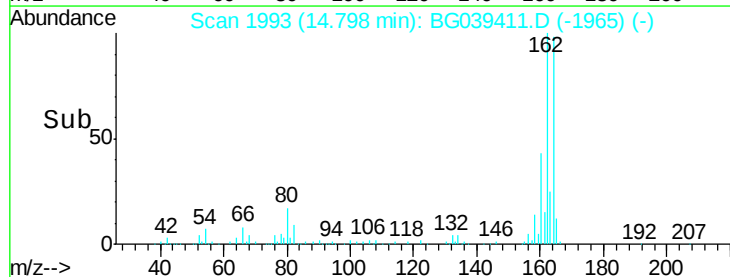
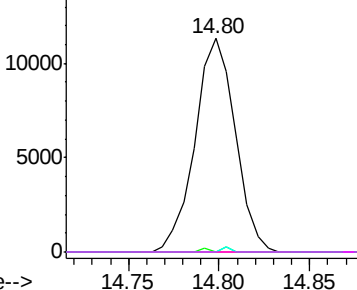


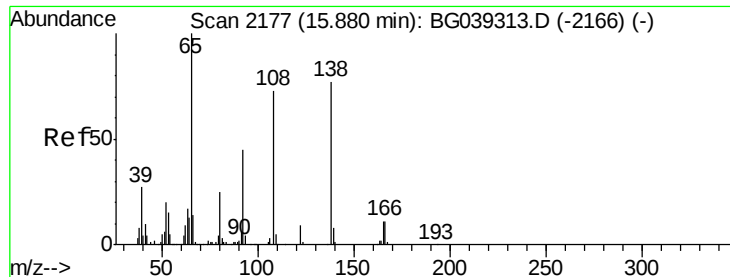
#57
2,4-Dinitrotoluene
Concen: 13.28 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.36 min
Lab File: BG039411.D
Acq: 8 Feb 2019 10:43

Tgt Ion:165 Resp: 17591
Ion Ratio Lower Upper
165 100
63 0.0 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): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

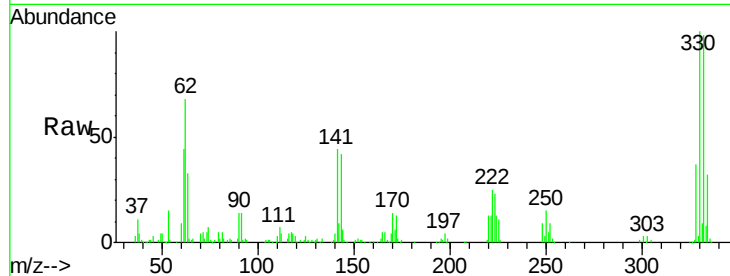




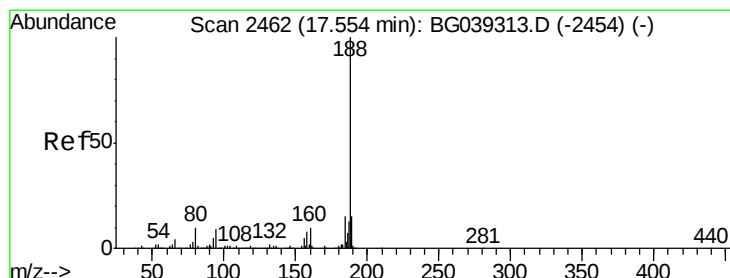
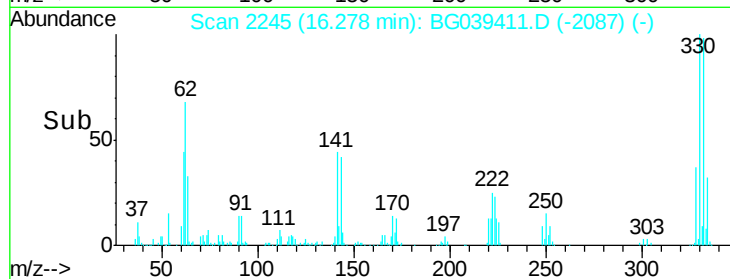
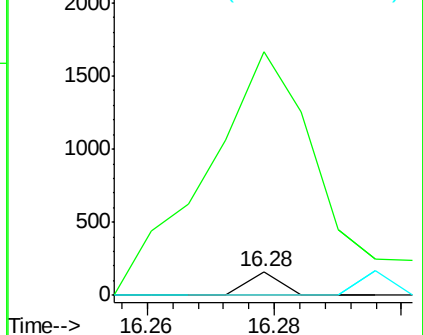
#62
4-Nitroaniline
Concen: 4.22 ng
RT: 16.28 min Scan# 2245
Delta R.T. 0.40 min
Lab File: BG039411.D
Acq: 8 Feb 2019 10:43

Instrument :
BNA_G
ClientSampleId :
RT-3425

Tot Ion:138 Resp: 58
Ion Ratio Lower Upper
138 100
92 1015.2 38.7 78.7#
108 0.0 74.6 114.6#

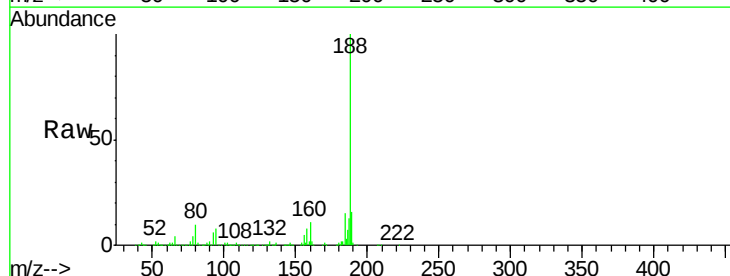


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG0
Ion 108.00 (107.70 to 108.70): E

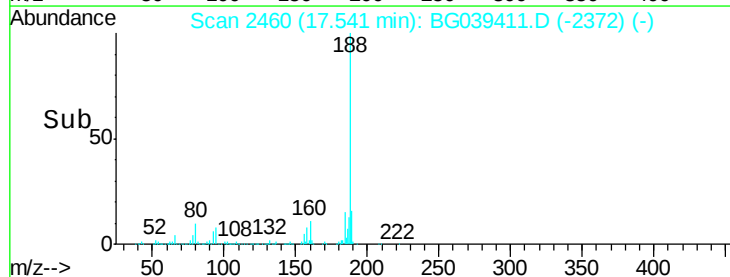
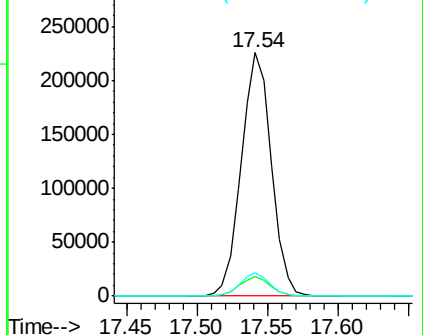


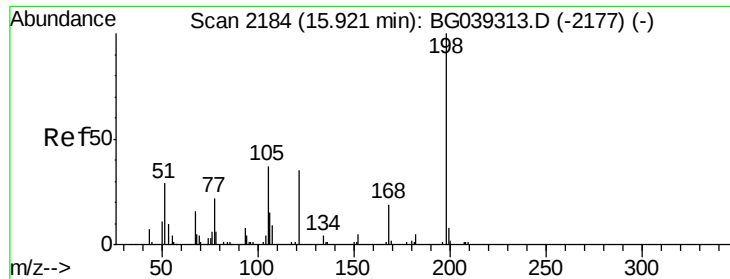
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.54 min Scan# 2460
Delta R.T. -0.01 min
Lab File: BG039411.D
Acq: 8 Feb 2019 10:43

Tgt Ion:188 Resp: 335302
Ion Ratio Lower Upper
188 100
94 8.1 6.9 10.3
80 9.6 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG0
Ion 80.00 (79.70 to 80.70): BG0

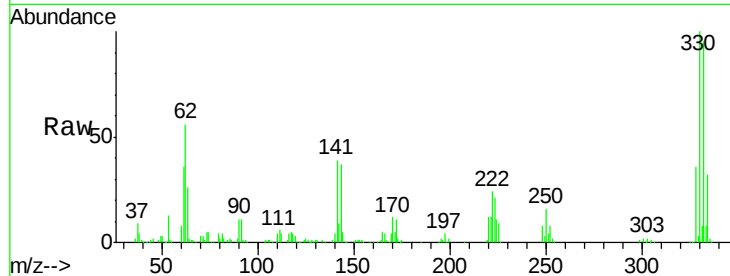




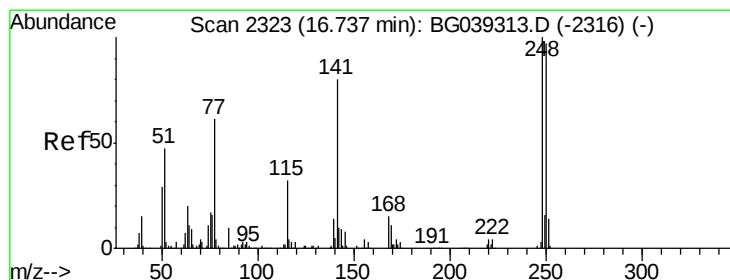
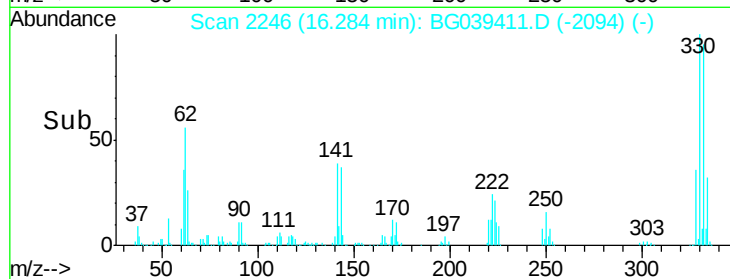
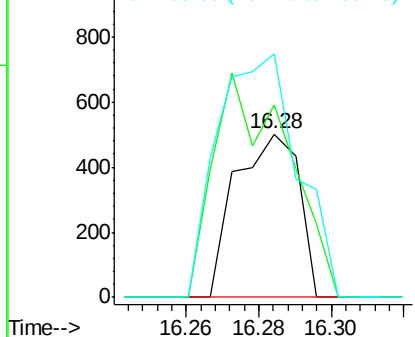
#65
4,6-Dinitro-2-methylphenol
Concen: 4.75 ng
RT: 16.28 min Scan# 2246
Delta R.T. 0.36 min
Lab File: BG039411.D
Acq: 8 Feb 2019 10:43

Instrument :
BNA_G
ClientSampled :
RT-3425

Tot Ion:198 Resp: 606
Ion Ratio Lower Upper
198 100
51 118.0 27.4 67.4#
105 149.3 19.7 59.7#

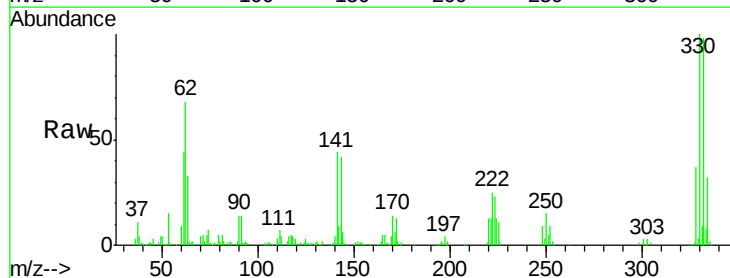


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG0
Ion 105.00 (104.70 to 105.70): E

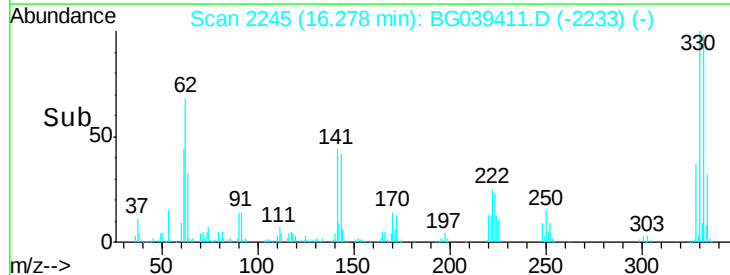
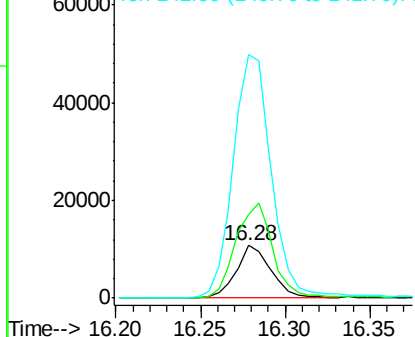


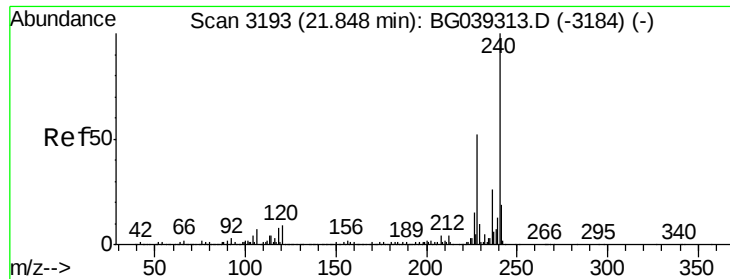
#67
4-Bromophenyl-phenylether
Concen: 4.13 ng
RT: 16.28 min Scan# 2245
Delta R.T. -0.46 min
Lab File: BG039411.D
Acq: 8 Feb 2019 10:43

Tgt Ion:248 Resp: 15345
Ion Ratio Lower Upper
248 100
250 159.5 77.6 116.4#
141 463.9 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

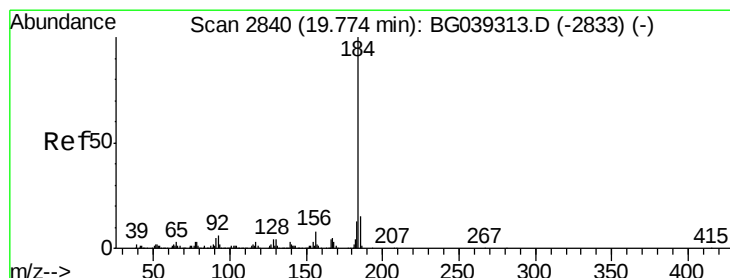
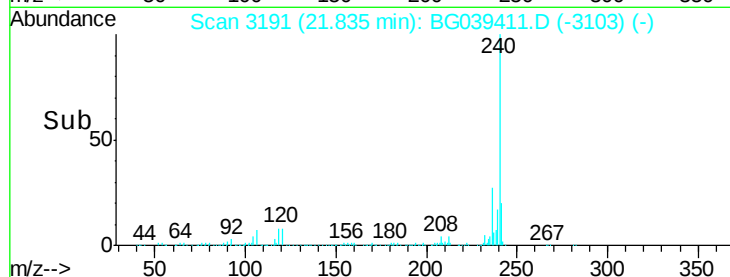
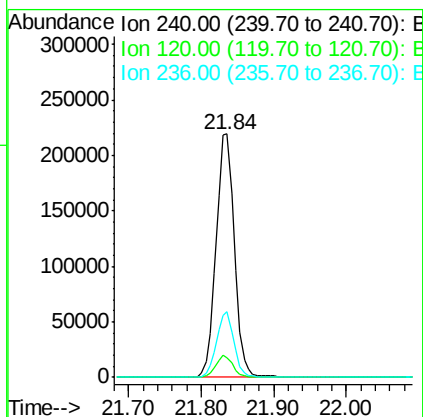
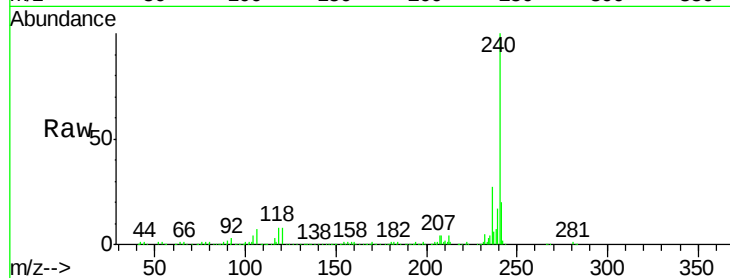




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.84 min Scan# 3191
Delta R.T. -0.01 min
Lab File: BG039411.D
Acq: 8 Feb 2019 10:43

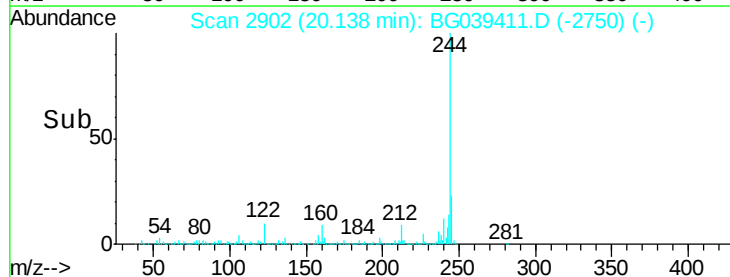
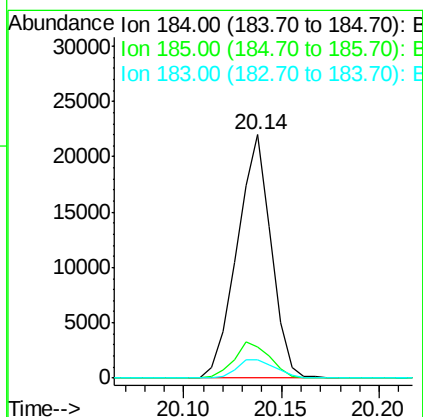
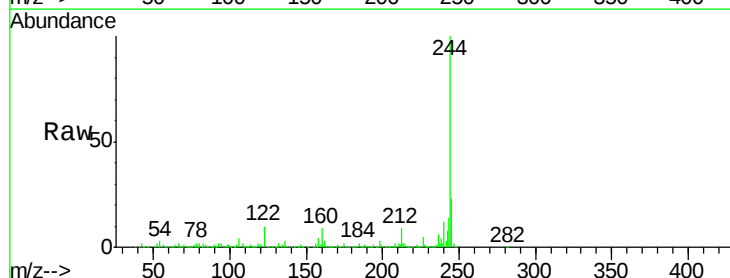
Instrument :
BNA_G
ClientSampleId :
RT-3425

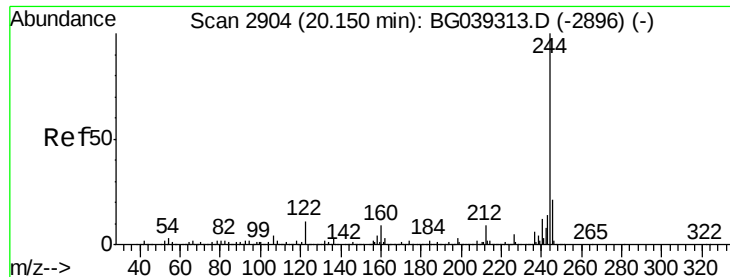
Tot Ion:240 Resp: 385830
Ion Ratio Lower Upper
240 100
120 8.2 7.0 10.6
236 27.1 21.0 31.4



#77
Benzidine
Concen: 2.09 ng
RT: 20.14 min Scan# 2902
Delta R.T. 0.36 min
Lab File: BG039411.D
Acq: 8 Feb 2019 10:43

Tgt Ion:184 Resp: 26452
Ion Ratio Lower Upper
184 100
185 12.7 12.2 18.2
183 7.5 10.6 15.8#





#79

Terphenyl-d14

Concen: 82.31 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039411.D

Acq: 8 Feb 2019 10:43

Instrument :

BNA_G

ClientSampled :

RT-3425

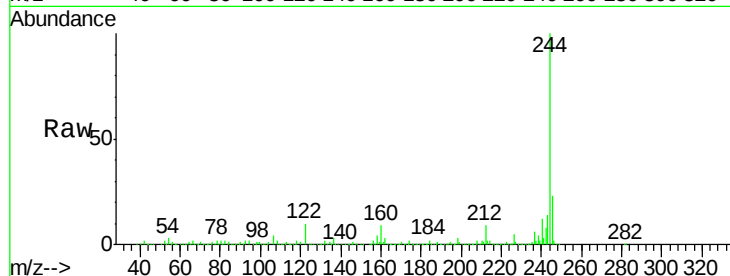
Tot Ion:244 Resp: 1500322

Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

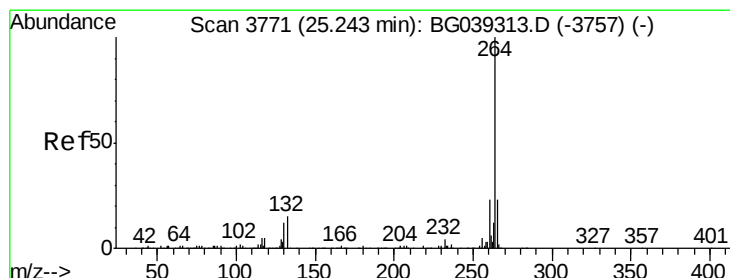
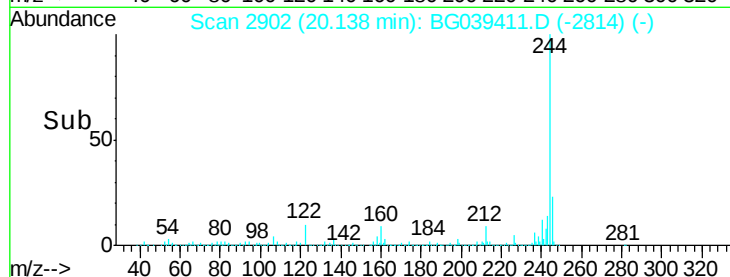
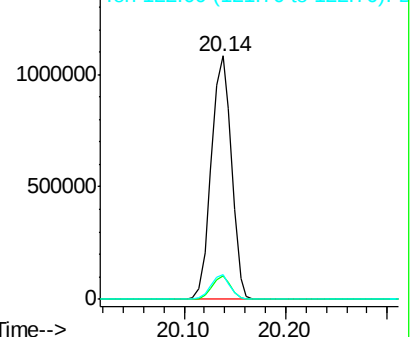
122 10.0 8.4 12.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.00 ng

RT: 25.22 min Scan# 3767

Delta R.T. -0.02 min

Lab File: BG039411.D

Acq: 8 Feb 2019 10:43

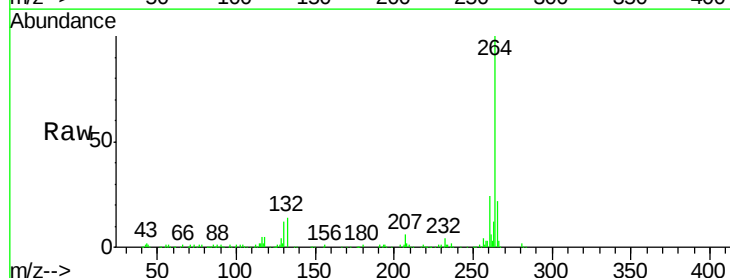
Tgt Ion:264 Resp: 354985

Ion Ratio Lower Upper

264 100

260 24.3 18.2 27.4

265 21.5 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

