

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021819\
 Data File : BG039546.D
 Acq On : 18 Feb 2019 19:24
 Operator : JU/SJ
 Sample : K1508-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 M-12-S

Quant Time: Feb 19 00:44:52 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	52713	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	235568	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	161937	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	397194	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	413654	20.00	ng	-0.02
87) Perylene-d12	25.20	264	371079	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	374533	121.61	ng	0.00
7) Phenol-d6	7.32	99	500300	110.36	ng	0.00
23) Nitrobenzene-d5	9.34	82	363080	96.29	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	213986	122.71	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	907975	80.43	ng	-0.02
79) Terphenyl-d14	20.13	244	1495950	76.55	ng	-0.02

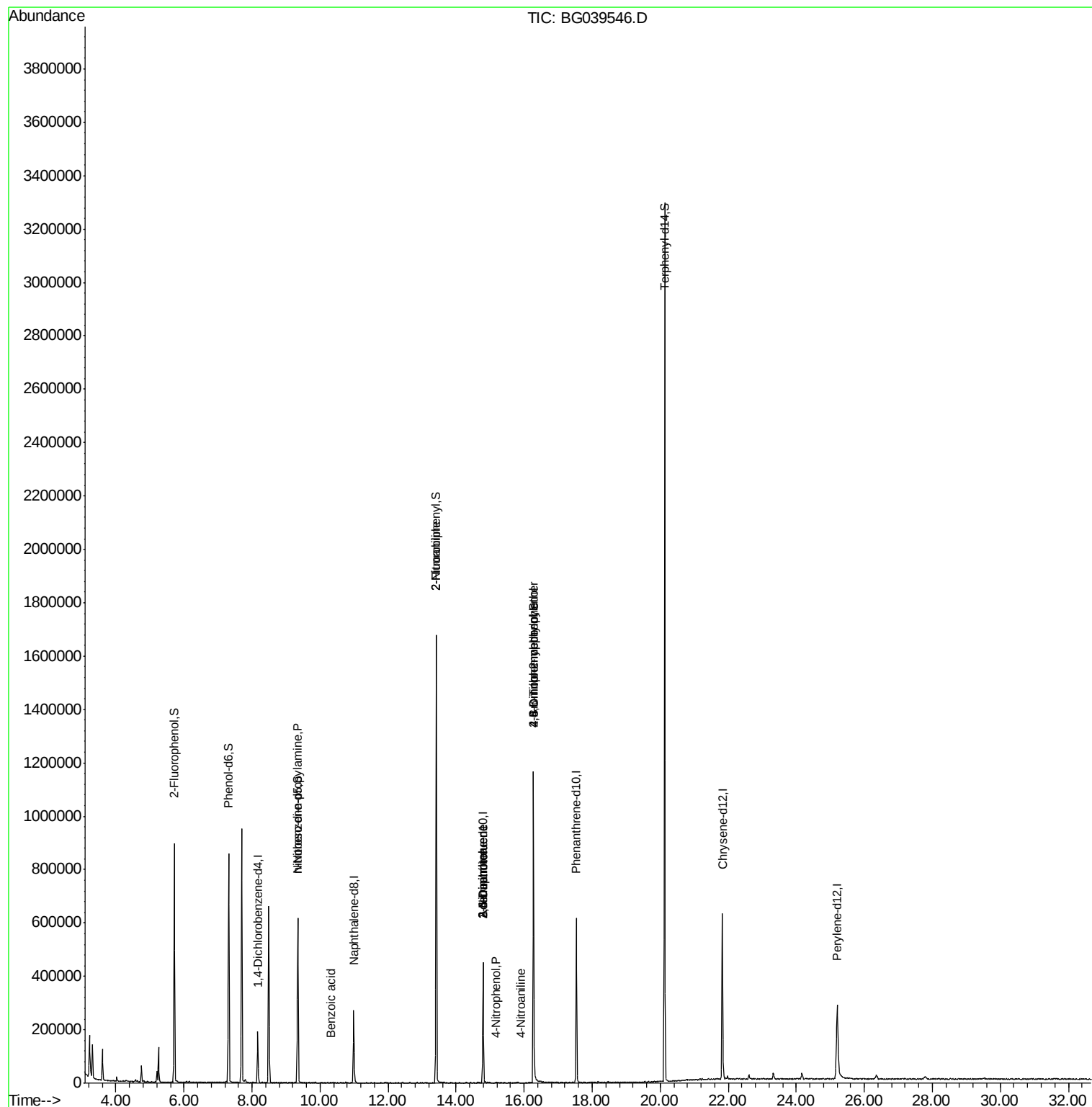
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	1129	Below Cal		# 27
19) n-Nitroso-di-n-propylamine	9.34	70	47926	14.894	ng	# 69
32) Benzoic acid	10.34	122	63	9.044	ng	# 1
48) 2-Nitroaniline	13.41	65	1583	8.746	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	21997	14.328	ng	# 25
53) 3-Nitroaniline	14.79	138	55	5.811	ng	# 1
56) 4-Nitrophenol	15.18	139	184	5.866	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	21997	13.705	ng	# 20
62) 4-Nitroaniline	15.91	138	68	4.225	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.28	198	617	4.672	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	16000	3.631	ng	# 1

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

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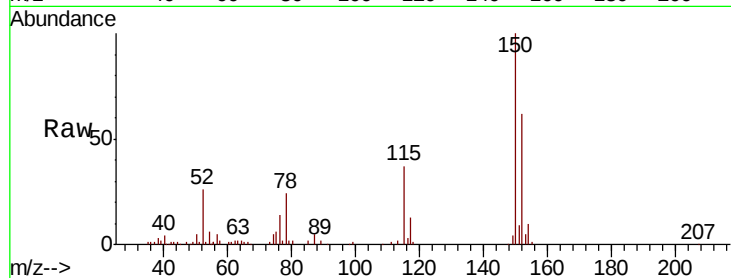


#1

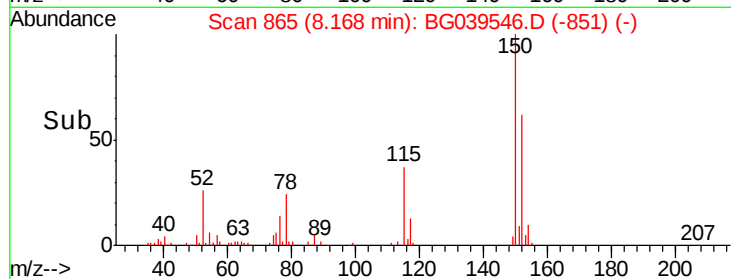
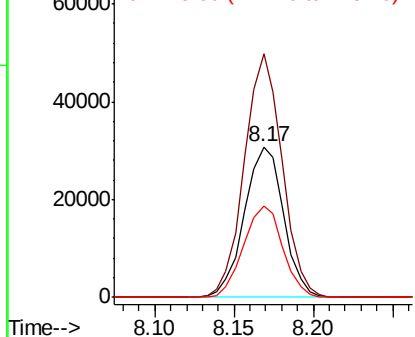
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.02 min
Lab File: BG039546.D
Acq: 18 Feb 2019 19:24

Instrument :
BNA_G
ClientSampleId :
M-12-S

Tgt Ion:152 Resp: 52713
Ion Ratio Lower Upper
152 100
150 161.6 123.7 185.5
115 60.6 45.9 68.9



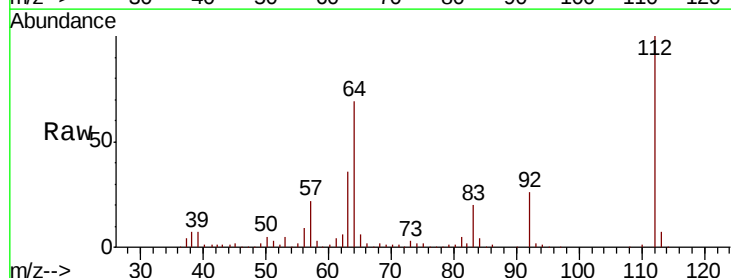
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



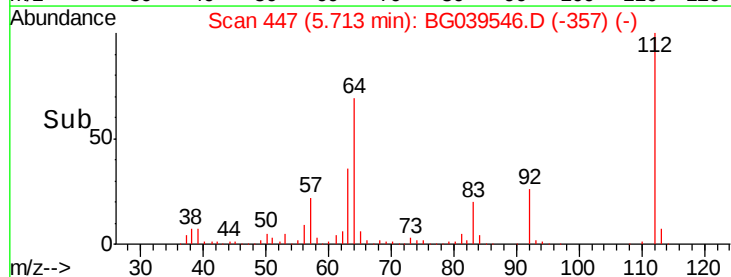
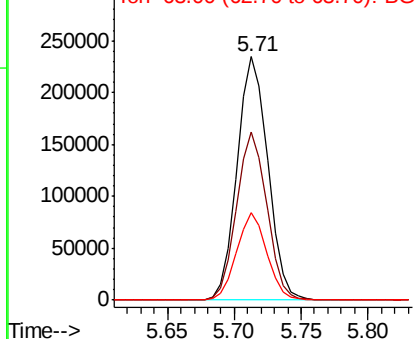
#5

2-Fluorophenol
Concen: 121.605 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039546.D
Acq: 18 Feb 2019 19:24

Tgt Ion:112 Resp: 374533
Ion Ratio Lower Upper
112 100
64 68.9 57.8 86.8
63 35.9 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: 110.355 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039546.D

Acq: 18 Feb 2019 19:24

Instrument :

BNA_G

ClientSampleId :

M-12-S

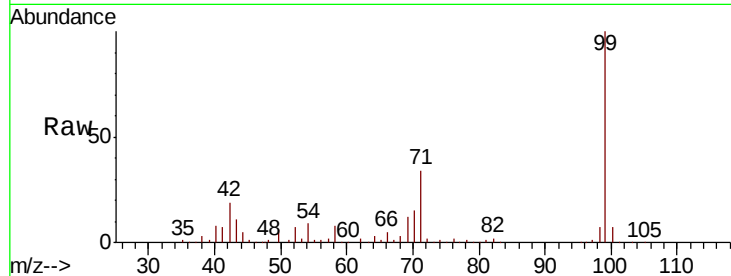
Tgt Ion: 99 Resp: 500300

Ion Ratio Lower Upper

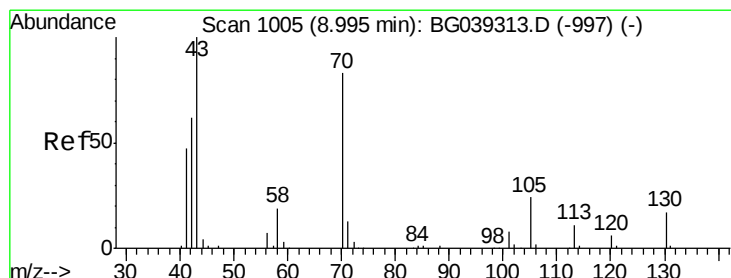
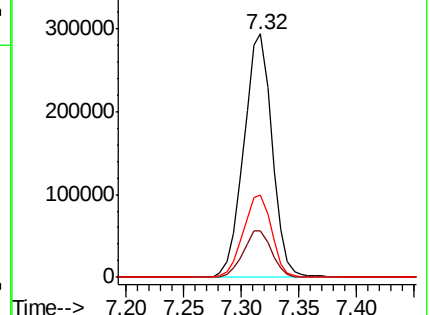
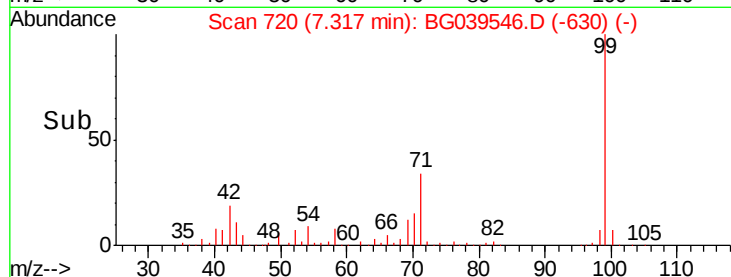
99 100

42 19.1 18.2 27.2

71 33.7 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: 14.894 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039546.D

Acq: 18 Feb 2019 19:24

Tgt Ion: 70 Resp: 47926

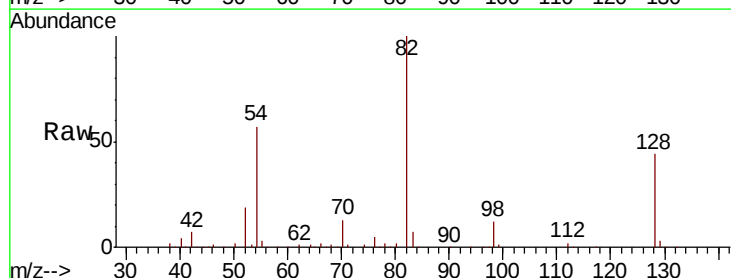
Ion Ratio Lower Upper

70 100

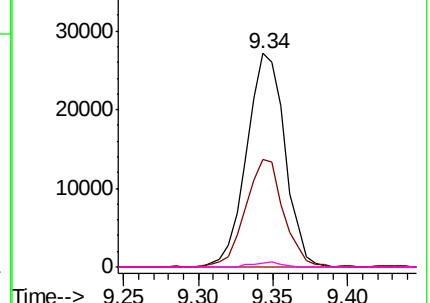
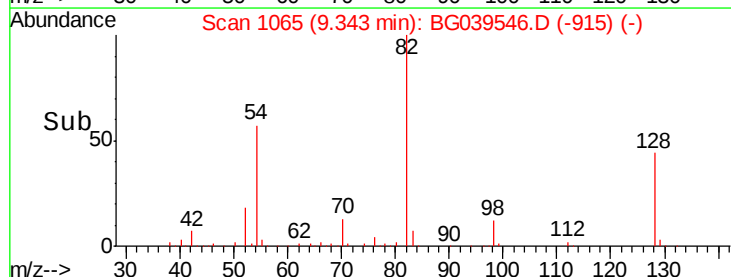
42 50.3 60.4 90.6#

101 0.0 7.5 11.3#

130 2.0 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

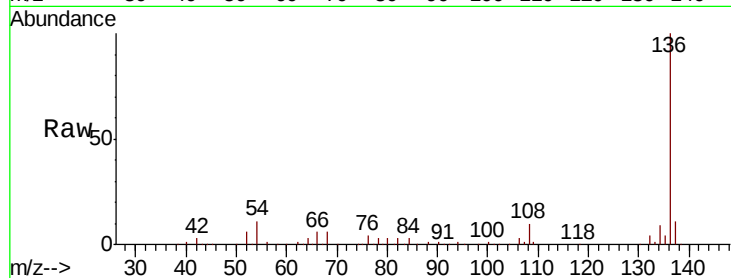




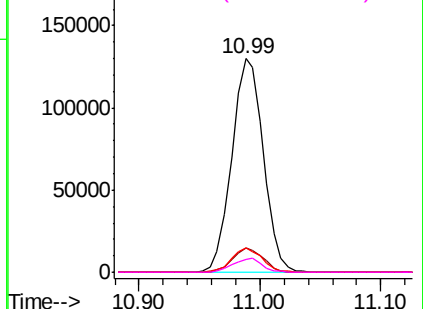
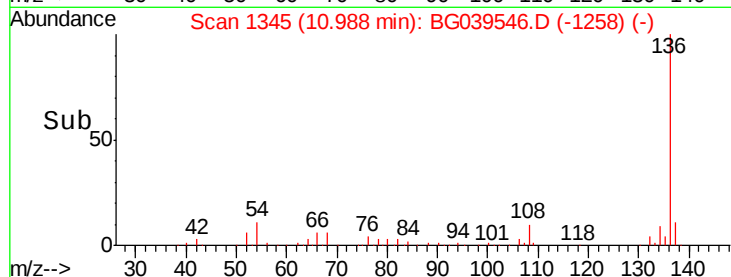
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039546.D
Acq: 18 Feb 2019 19:24

Instrument :
BNA_G
ClientSampleId :
M-12-S

Tgt Ion:	136	Resp:	235568
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	11.4	9.4	14.2
68	6.1	4.2	6.4

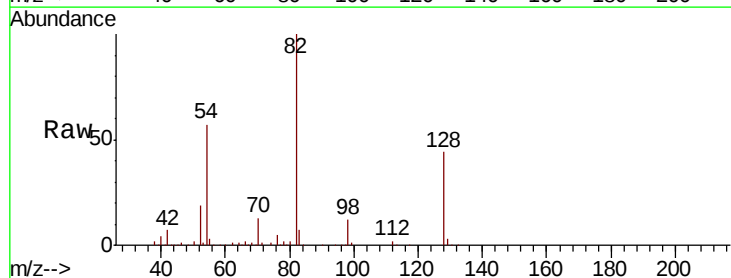


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

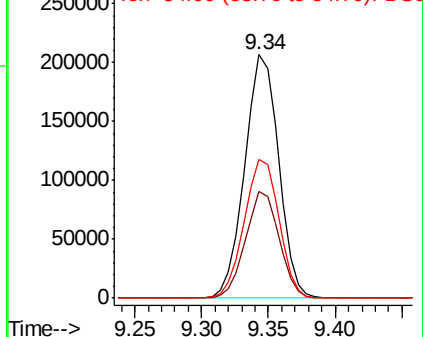
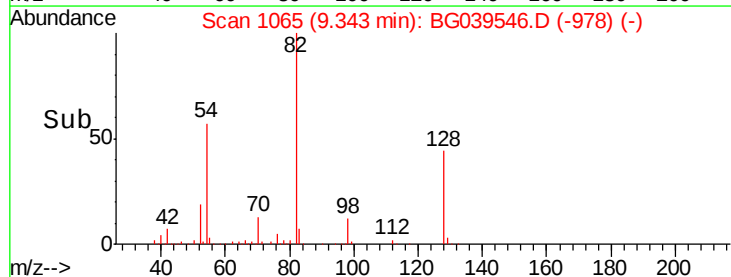


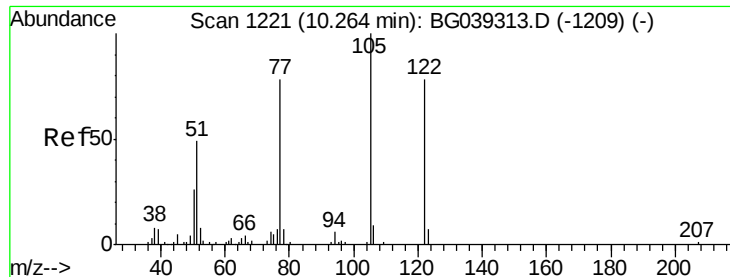
#23
Nitrobenzene-d5
Concen: 96.287 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039546.D
Acq: 18 Feb 2019 19:24

Tgt Ion:	82	Resp:	363080
Ion	Ratio	Lower	Upper
82	100		
128	43.6	31.3	46.9
54	57.0	50.9	76.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
250000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

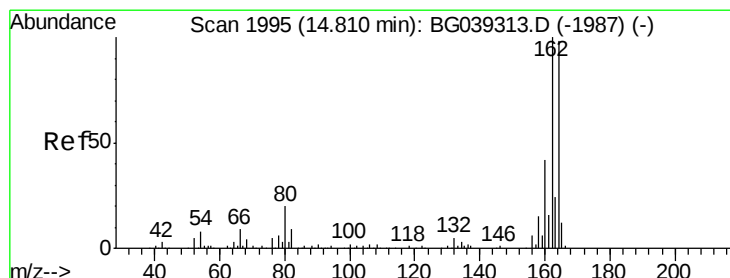
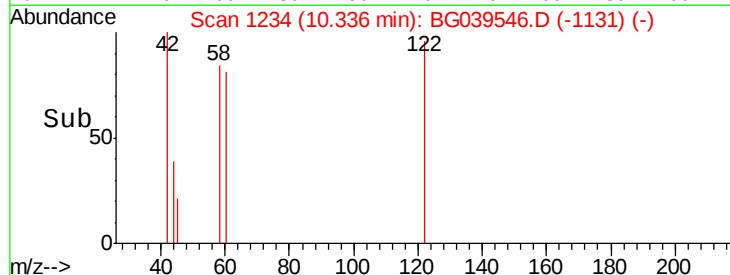
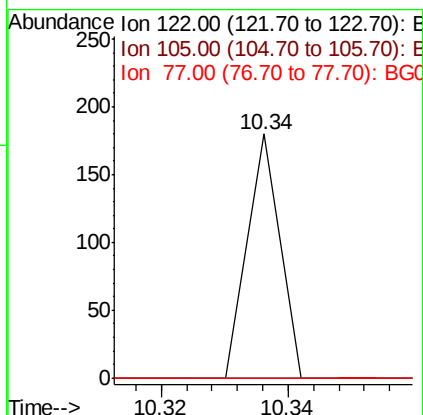
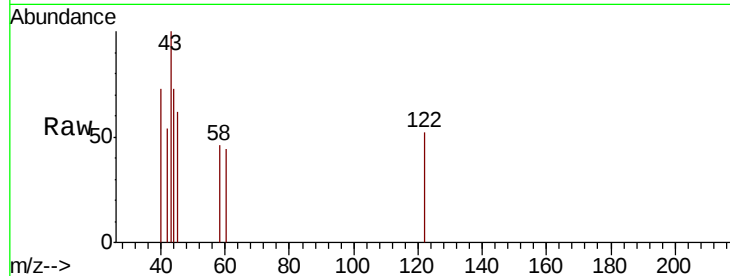




#32
Benzoic acid
Concen: 9.044 ng
RT: 10.34 min Scan# 1234
Delta R.T. 0.07 min
Lab File: BG039546.D
Acq: 18 Feb 2019 19:24

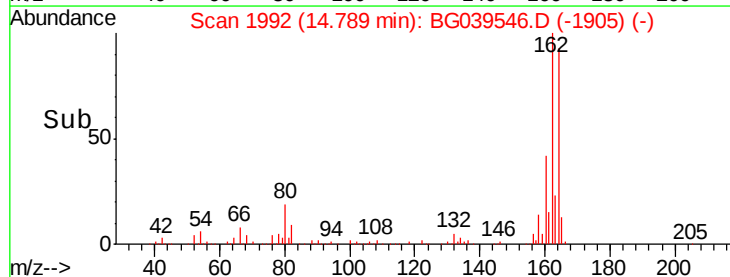
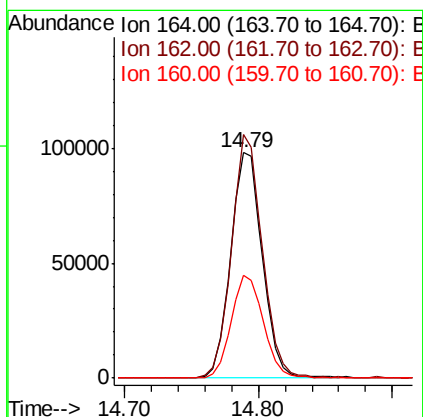
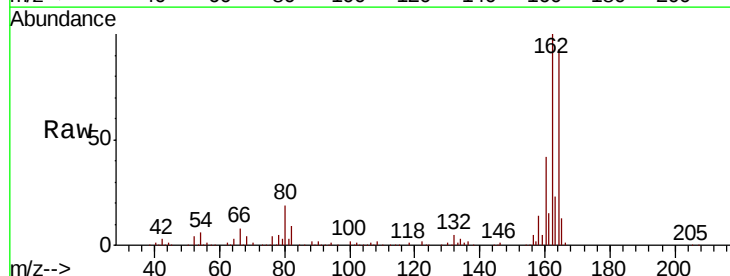
Instrument :
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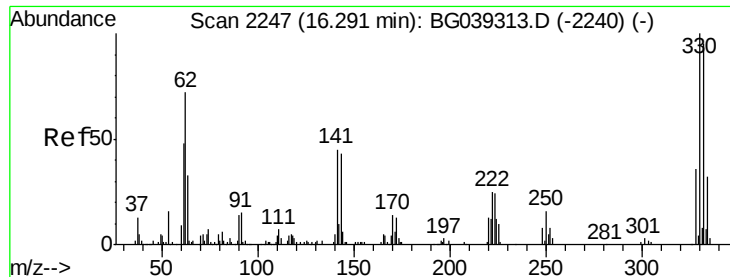
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039546.D
Acq: 18 Feb 2019 19:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.9	81.6	122.4
160	45.3	34.2	51.2

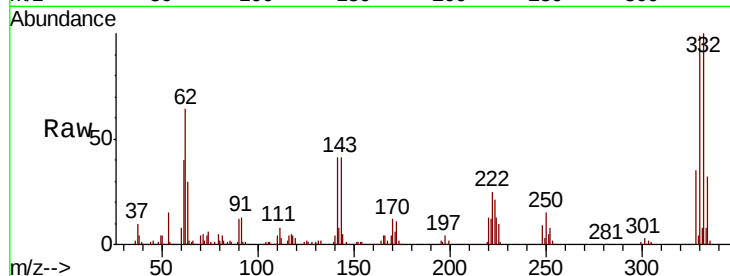




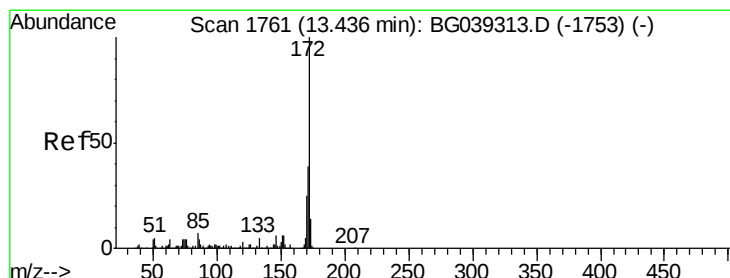
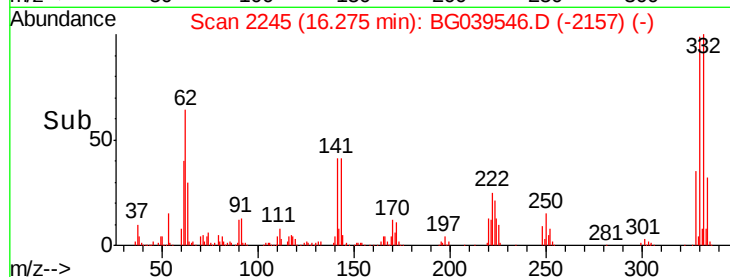
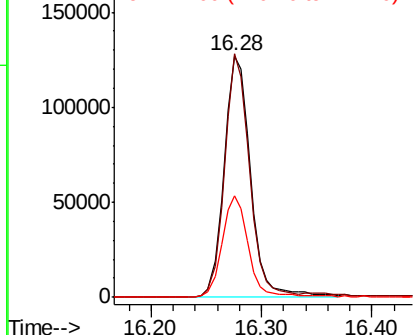
#42
 2,4,6-Tribromophenol
 Concen: 122.714 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.02 min
 Lab File: BG039546.D
 Acq: 18 Feb 2019 19:24

Instrument :
 BNA_G
 ClientSampleId :
 M-12-S

Tgt Ion:330 Resp: 213986
 Ion Ratio Lower Upper
 330 100
 332 94.6 75.7 113.5
 141 41.6 35.6 53.4

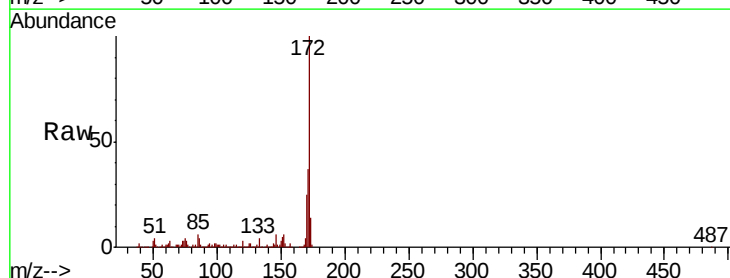


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

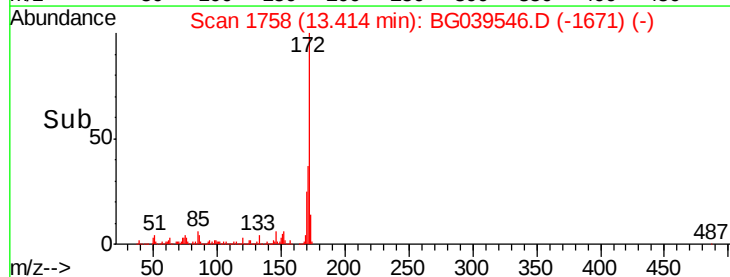
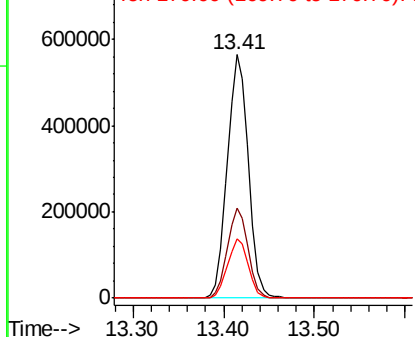


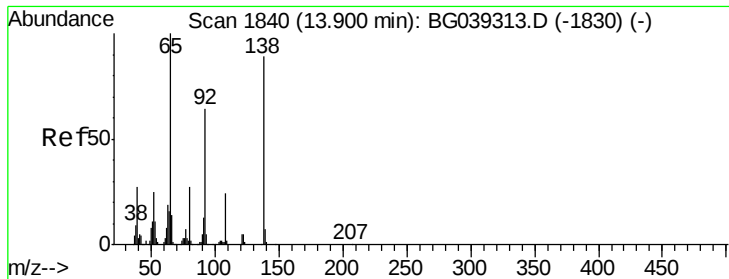
#45
 2-Fluorobiphenyl
 Concen: 80.435 ng
 RT: 13.41 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039546.D
 Acq: 18 Feb 2019 19:24

Tgt Ion:172 Resp: 907975
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.8 46.2
 170 24.5 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: 8.746 ng

RT: 13.41 min Scan# 1758

Delta R.T. -0.48 min

Lab File: BG039546.D

Acq: 18 Feb 2019 19:24

Instrument :

BNA_G

ClientSampleId :

M-12-S

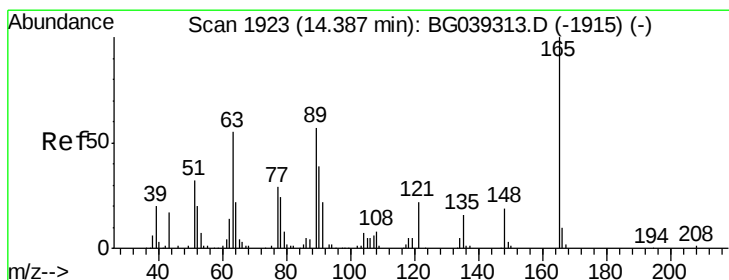
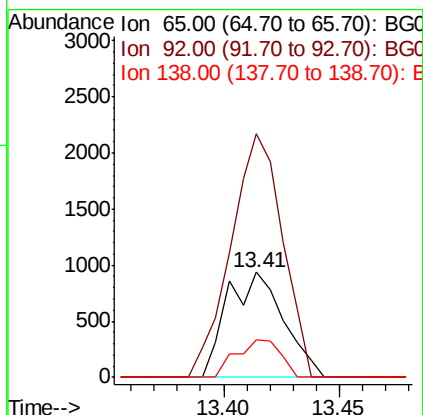
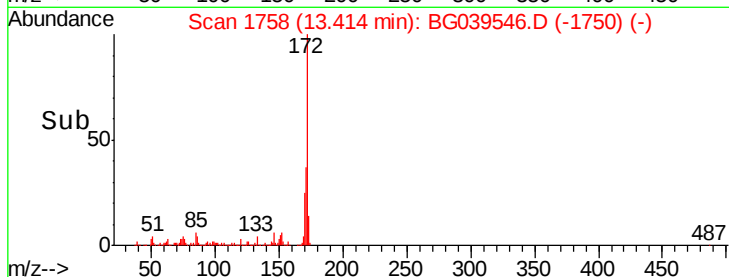
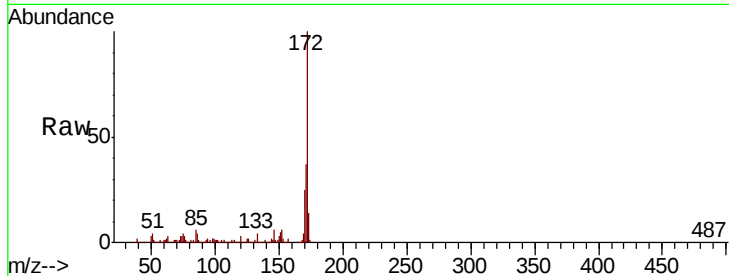
Tgt Ion: 65 Resp: 1583

Ion Ratio Lower Upper

65 100

92 232.3 51.4 77.2#

138 35.7 71.4 107.2#



#51

2,6-Dinitrotoluene

Concen: 14.328 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039546.D

Acq: 18 Feb 2019 19:24

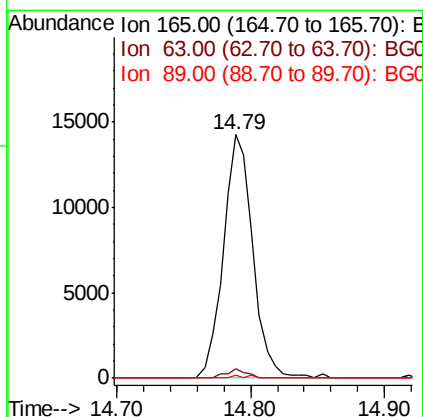
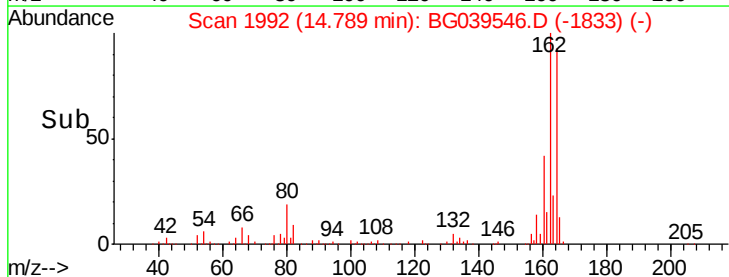
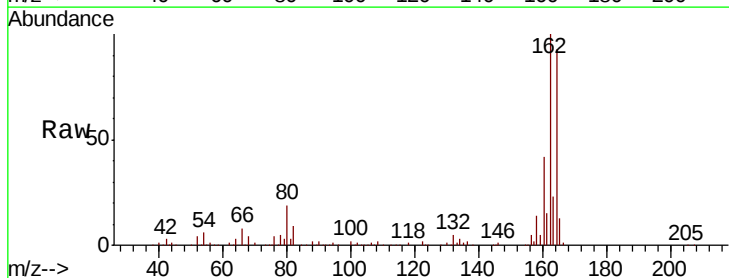
Tgt Ion: 165 Resp: 21997

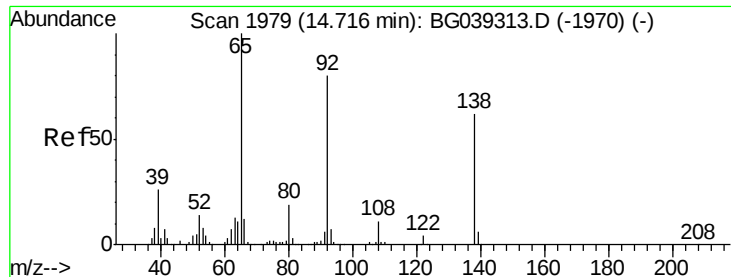
Ion Ratio Lower Upper

165 100

63 3.7 47.0 70.6#

89 1.2 45.8 68.8#

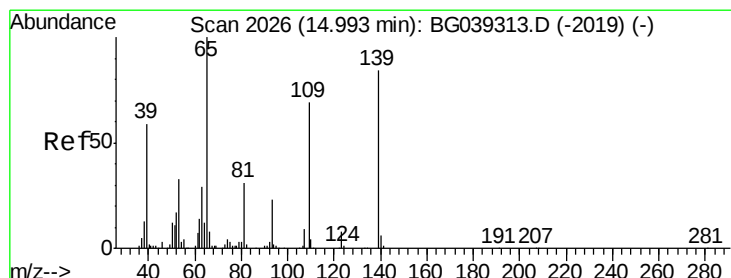
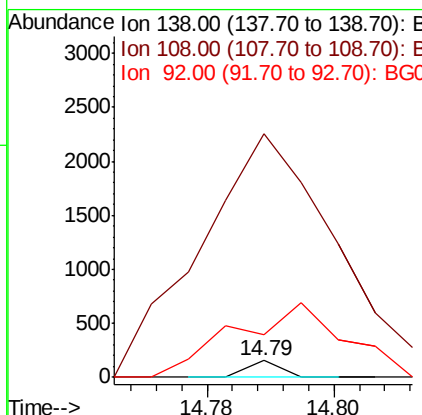
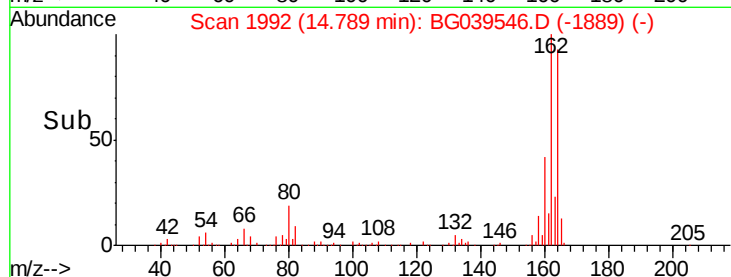
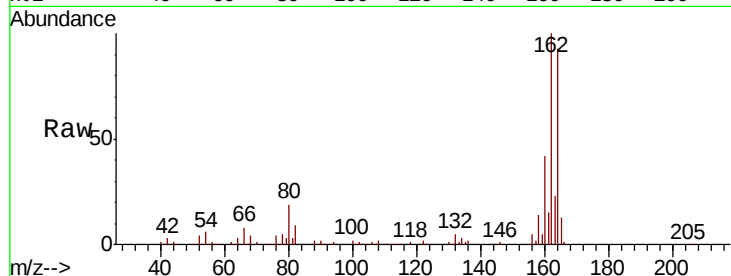




#53
3-Nitroaniline
Concen: 5.811 ng
RT: 14.79 min Scan# 1992
Delta R.T. 0.07 min
Lab File: BG039546.D
Acq: 18 Feb 2019 19:24

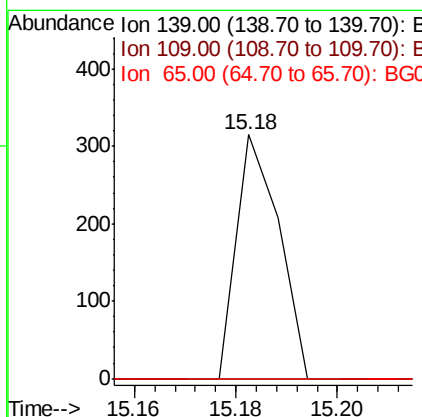
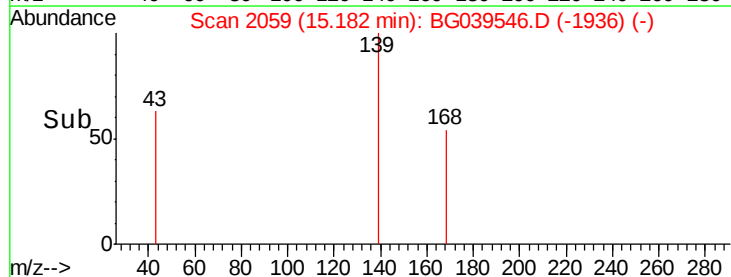
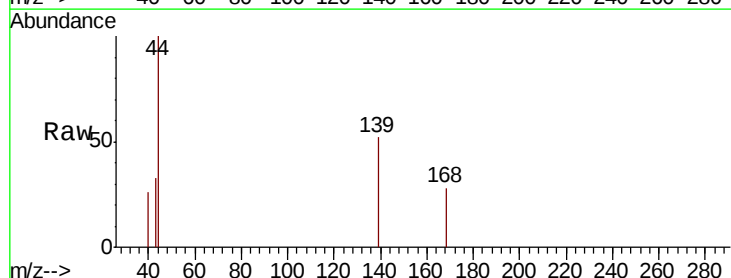
Instrument :
BNA_G
ClientSampleId :
M-12-S

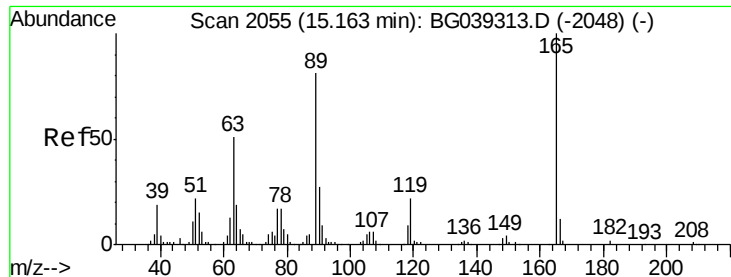
Tgt Ion:138 Resp: 55
Ion Ratio Lower Upper
138 100
108 1436.3 13.8 20.8#
92 252.2 103.7 155.5#



#56
4-Nitrophenol
Concen: 5.866 ng
RT: 15.18 min Scan# 2059
Delta R.T. 0.19 min
Lab File: BG039546.D
Acq: 18 Feb 2019 19:24

Tgt Ion:139 Resp: 184
Ion Ratio Lower Upper
139 100
109 0.0 61.9 101.9#
65 0.0 99.1 139.1#

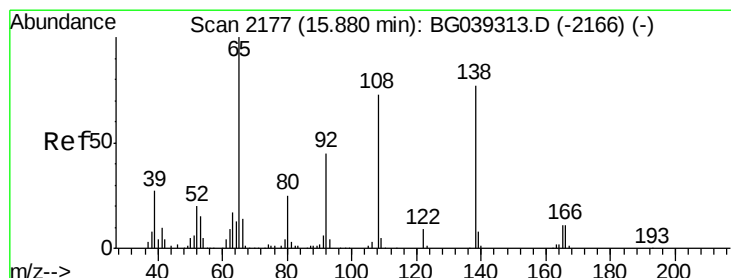
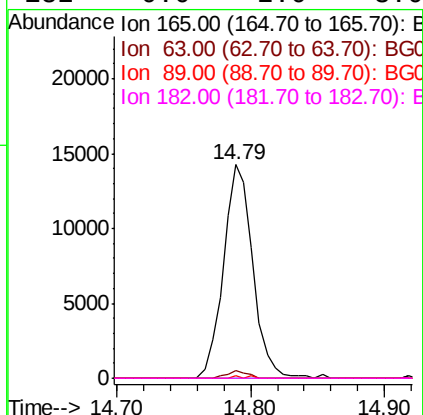
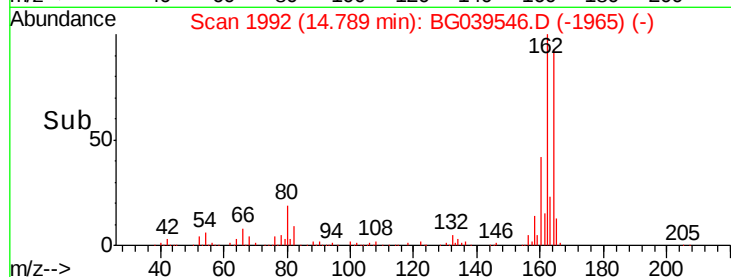
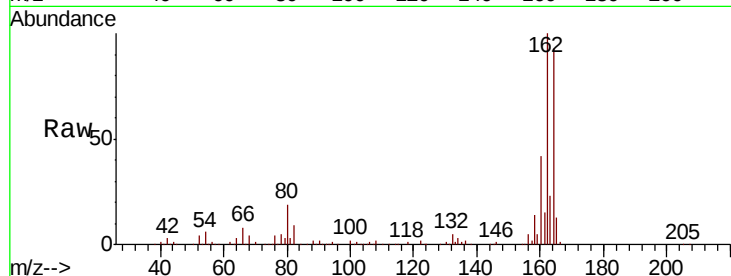




#57
 2,4-Dinitrotoluene
 Concen: 13.705 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.37 min
 Lab File: BG039546.D
 Acq: 18 Feb 2019 19:24

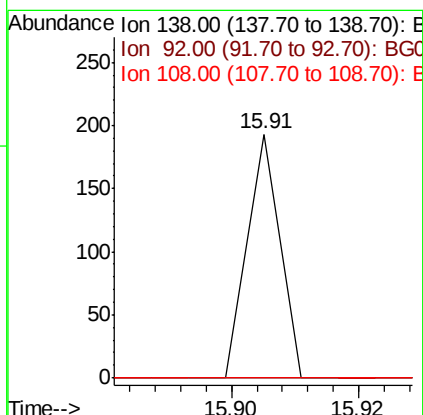
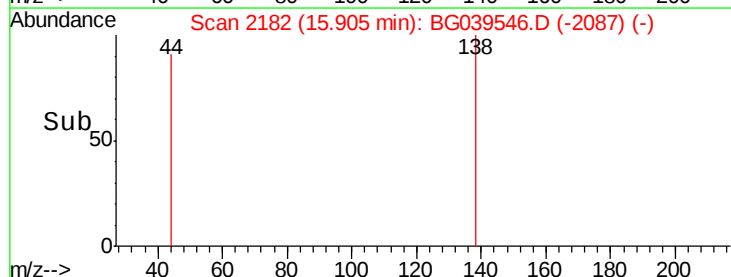
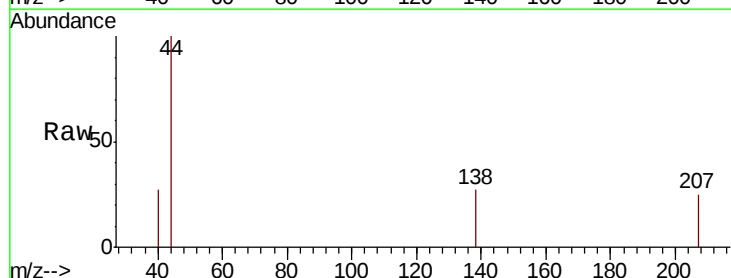
Instrument :
 BNA_G
 ClientSampleId :
 M-12-S

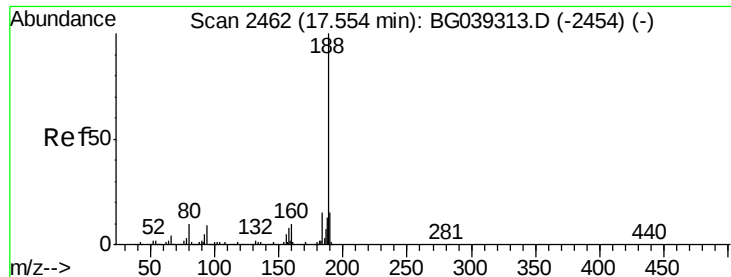
Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.7	41.0	61.6#
89	1.2	64.6	96.8#
182	0.0	2.0	3.0#



#62
 4-Nitroaniline
 Concen: 4.225 ng
 RT: 15.91 min Scan# 2182
 Delta R.T. 0.03 min
 Lab File: BG039546.D
 Acq: 18 Feb 2019 19:24

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039546.D

Acq: 18 Feb 2019 19:24

Instrument :

BNA_G

ClientSampleId :

M-12-S

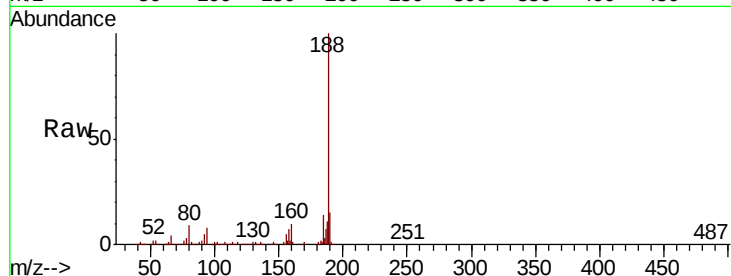
Tgt Ion:188 Resp: 397194

Ion Ratio Lower Upper

188 100

94 8.1 6.9 10.3

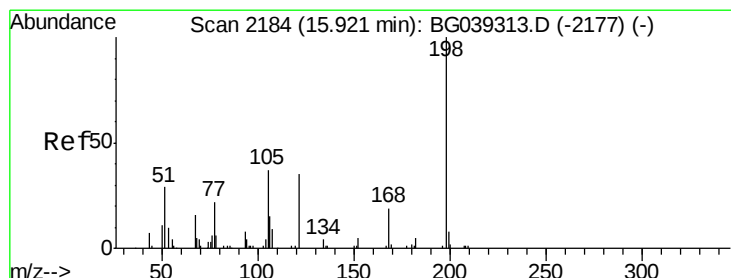
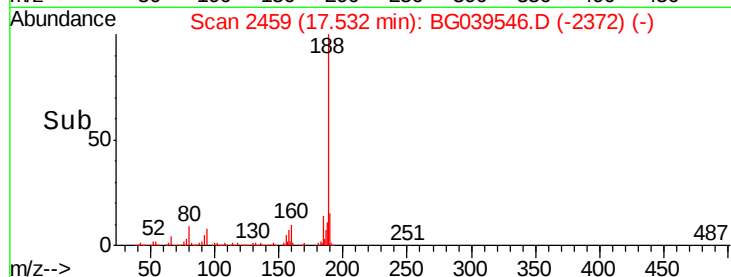
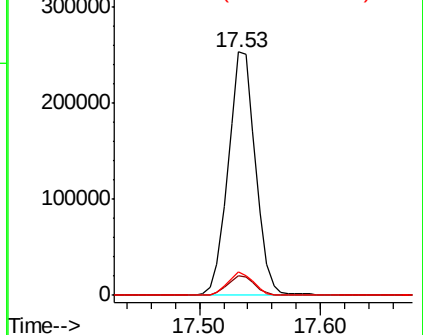
80 9.5 8.1 12.1



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: 4.672 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039546.D

Acq: 18 Feb 2019 19:24

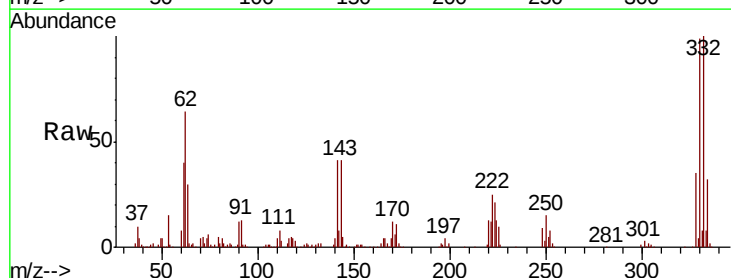
Tgt Ion:198 Resp: 617

Ion Ratio Lower Upper

198 100

51 121.2 27.4 67.4#

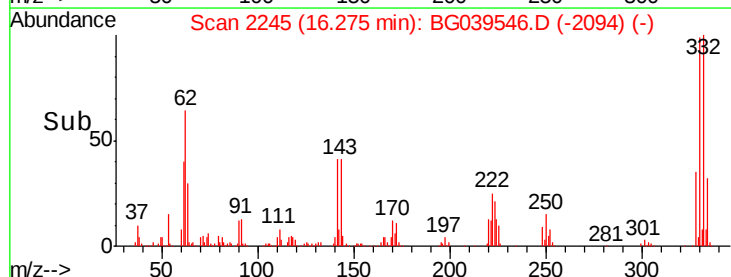
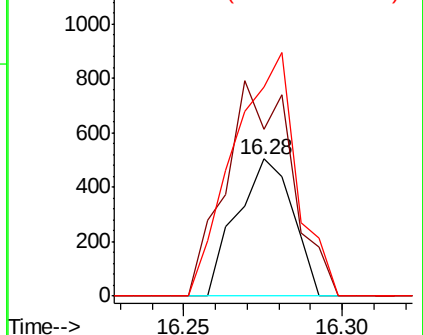
105 152.0 19.7 59.7#

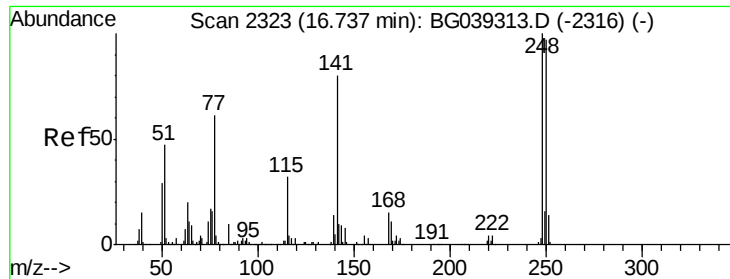


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

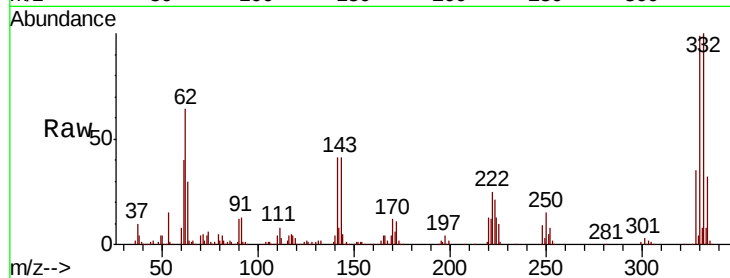




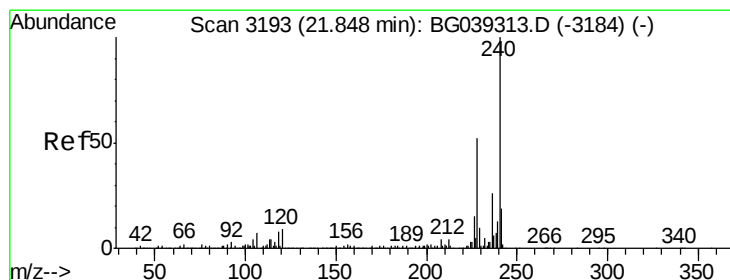
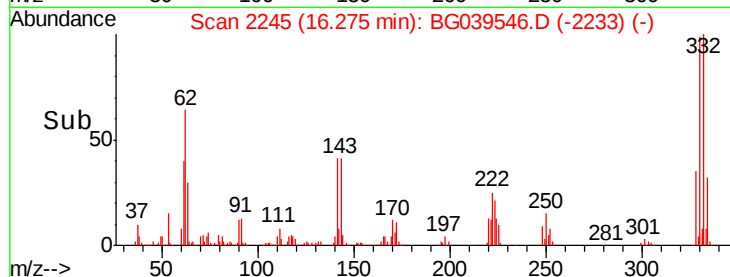
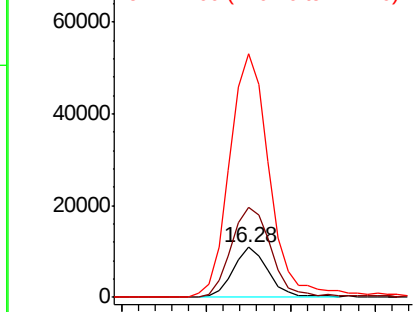
#67
 4-Bromophenyl-phenylether
 Concen: 3.631 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039546.D
 Acq: 18 Feb 2019 19:24

Instrument :
 BNA_G
 ClientSampleId :
 M-12-S

Tgt Ion:248 Resp: 16000
 Ion Ratio Lower Upper
 248 100
 250 180.4 77.6 116.4#
 141 486.8 63.9 95.9#

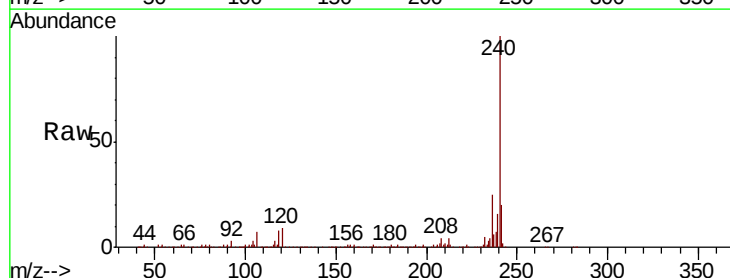


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

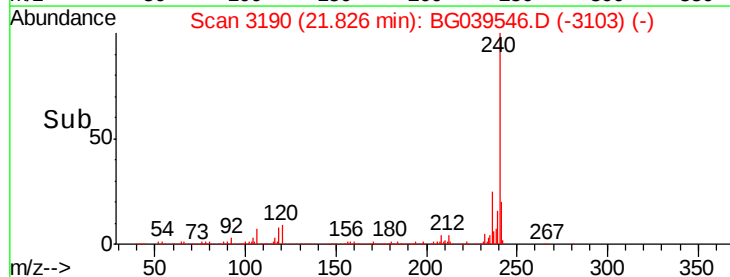
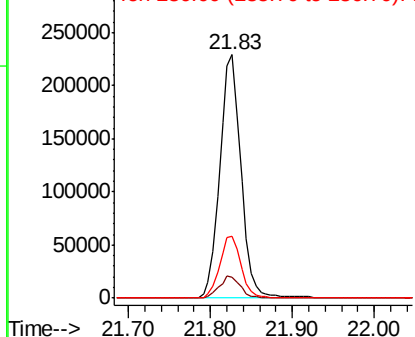


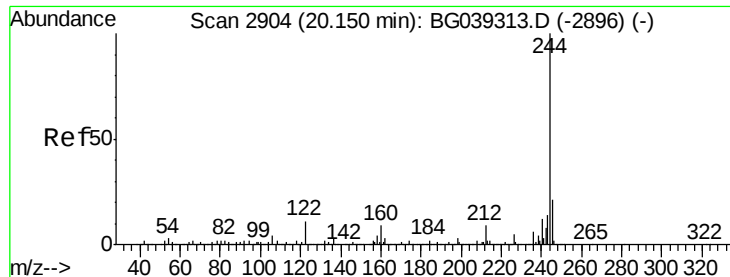
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3190
 Delta R.T. -0.02 min
 Lab File: BG039546.D
 Acq: 18 Feb 2019 19:24

Tgt Ion:240 Resp: 413654
 Ion Ratio Lower Upper
 240 100
 120 8.5 7.0 10.6
 236 25.3 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





#79

Terphenyl-d14

Concen: 76.549 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039546.D

Acq: 18 Feb 2019 19:24

Instrument :

BNA_G

ClientSampled :

M-12-S

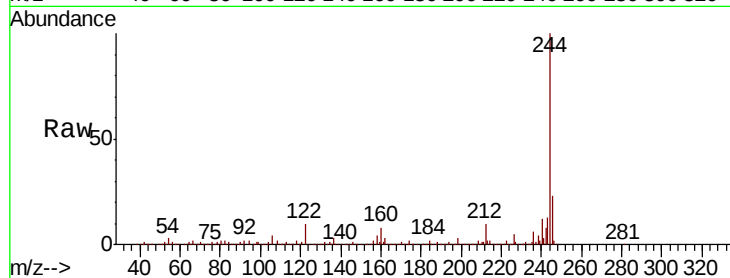
Tgt Ion:244 Resp: 1495950

Ion Ratio Lower Upper

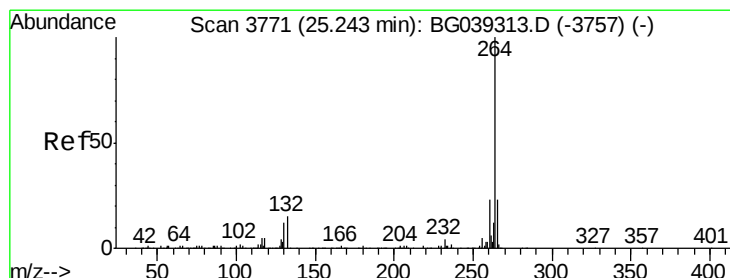
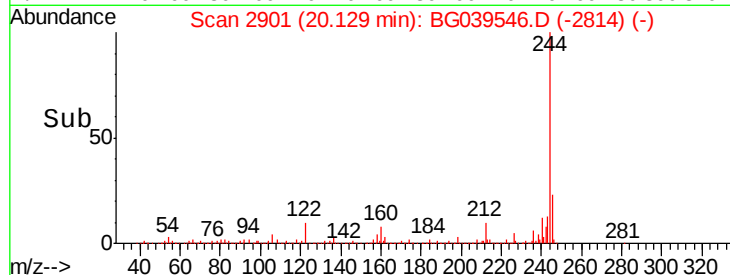
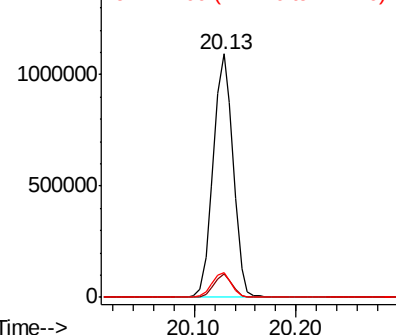
244 100

212 9.6 7.3 10.9

122 10.2 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: 25.20 min Scan# 3765

Delta R.T. -0.04 min

Lab File: BG039546.D

Acq: 18 Feb 2019 19:24

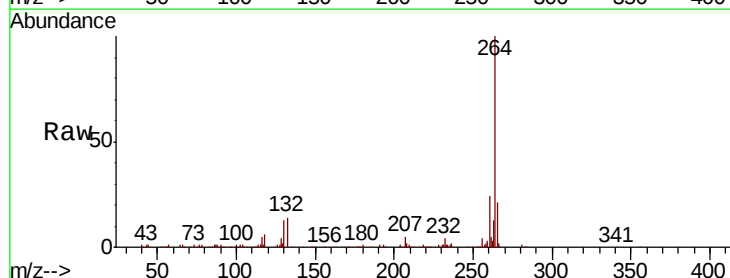
Tgt Ion:264 Resp: 371079

Ion Ratio Lower Upper

264 100

260 24.2 18.2 27.4

265 20.8 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

