

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021819\
 Data File : BG039549.D
 Acq On : 18 Feb 2019 21:21
 Operator : JU/SJ
 Sample : K1508-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 M-12-D

Quant Time: Feb 19 00:46:10 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	56894	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	249367	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	178619	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	449106	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	459529	20.00	ng	-0.03
87) Perylene-d12	25.21	264	381858	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	392824	118.17	ng	0.00
7) Phenol-d6	7.31	99	512310	104.70	ng	0.00
23) Nitrobenzene-d5	9.34	82	379885	95.17	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	247847	128.86	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	936030	75.18	ng	-0.02
79) Terphenyl-d14	20.13	244	1592368	73.35	ng	-0.02

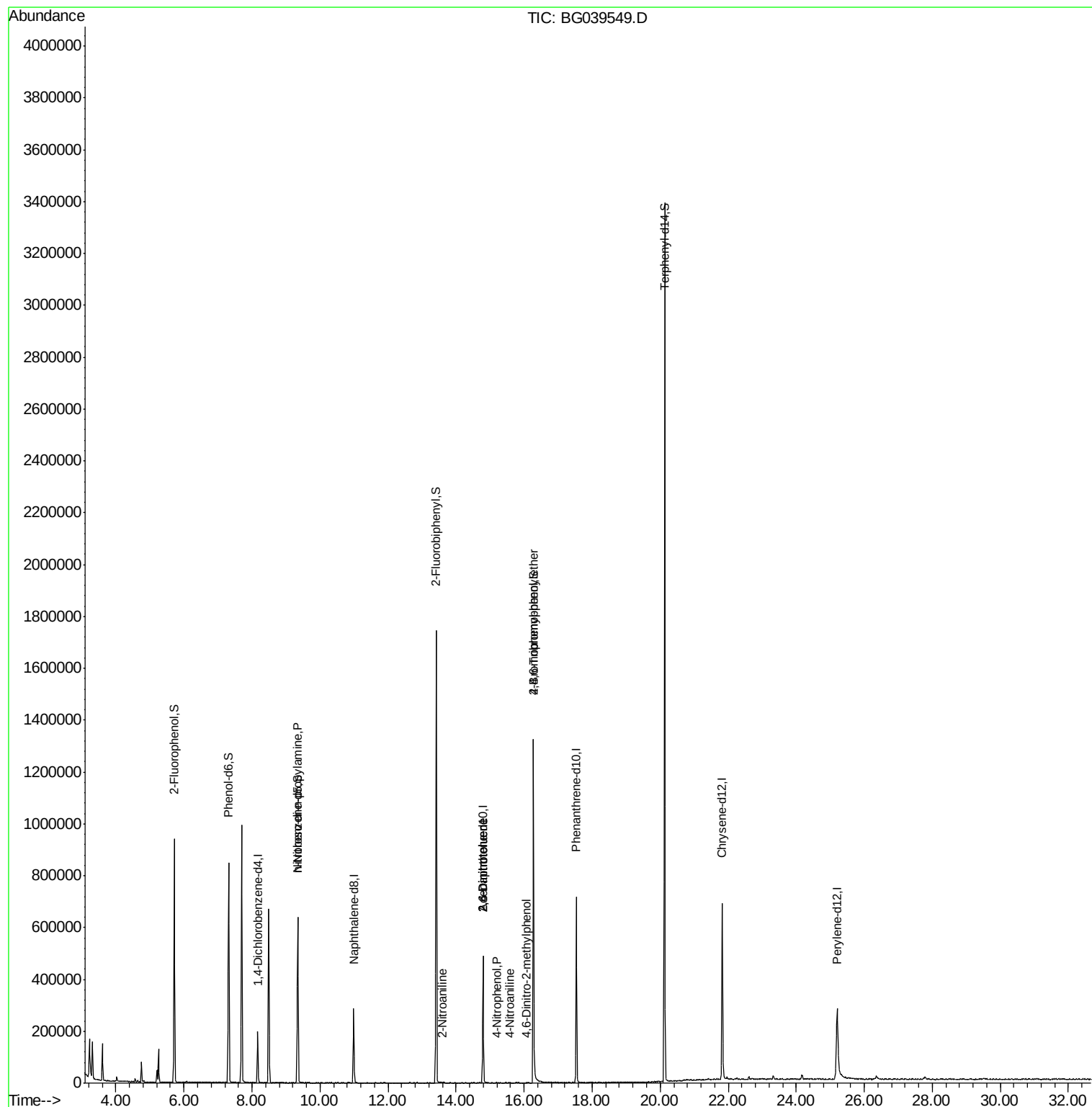
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	1061	Below Cal		# 18
19) n-Nitroso-di-n-propylamine	9.34	70	48721	14.029	ng	# 71
48) 2-Nitroaniline	13.60	65	58	8.311	ng	# 10
51) 2,6-Dinitrotoluene	14.79	165	22823	13.867	ng	# 25
56) 4-Nitrophenol	15.20	139	155	5.849	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	22823	13.356	ng	# 20
62) 4-Nitroaniline	15.58	138	62	4.221	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.07	198	62	4.214	ng	# 32
67) 4-Bromophenyl-phenylether	16.28	248	20010	4.016	ng	# 1

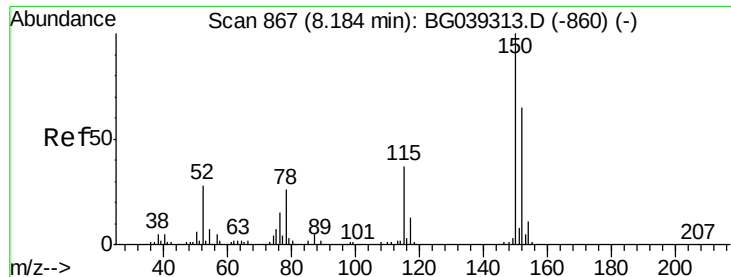
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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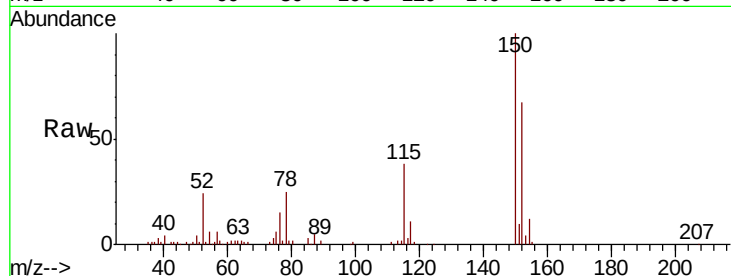


#1

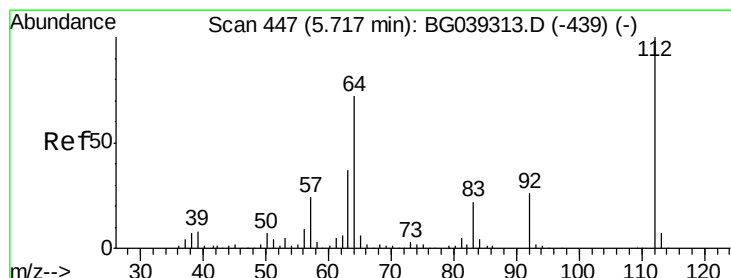
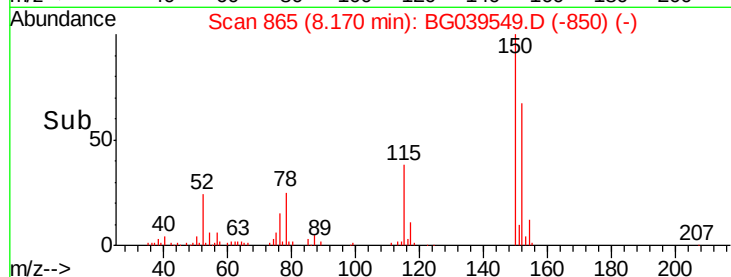
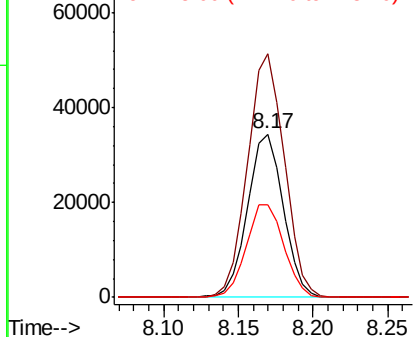
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039549.D
Acq: 18 Feb 2019 21:21

Instrument :
BNA_G
ClientSampleId :
M-12-D

Tgt Ion:152 Resp: 56894
Ion Ratio Lower Upper
152 100
150 149.1 123.7 185.5
115 57.0 45.9 68.9



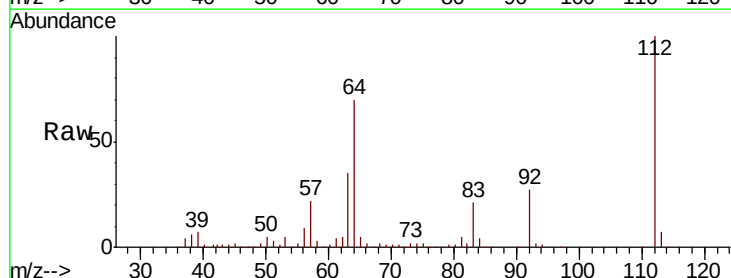
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



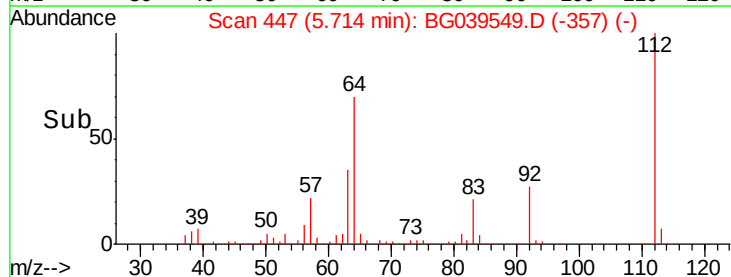
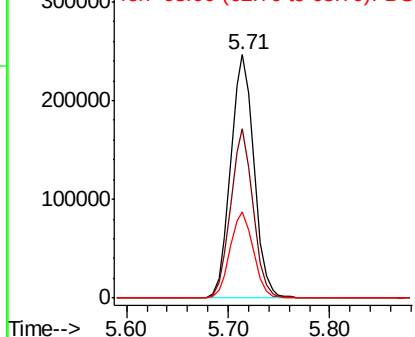
#5

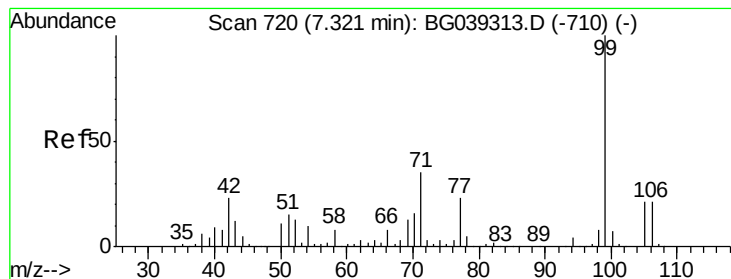
2-Fluorophenol
Concen: 118.171 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039549.D
Acq: 18 Feb 2019 21:21

Tgt Ion:112 Resp: 392824
Ion Ratio Lower Upper
112 100
64 69.7 57.8 86.8
63 35.3 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: 104.700 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039549.D

Acq: 18 Feb 2019 21:21

Instrument :

BNA_G

ClientSampled :

M-12-D

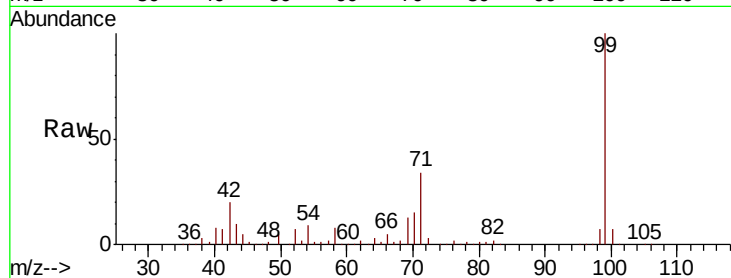
Tgt Ion: 99 Resp: 512310

Ion Ratio Lower Upper

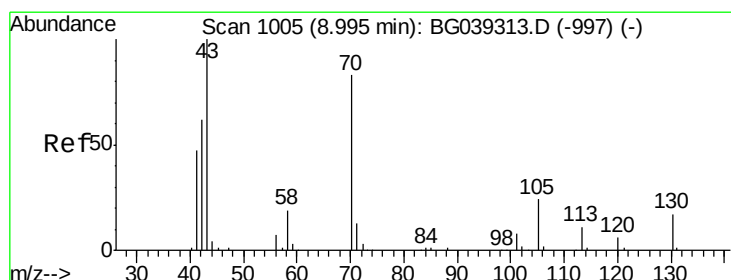
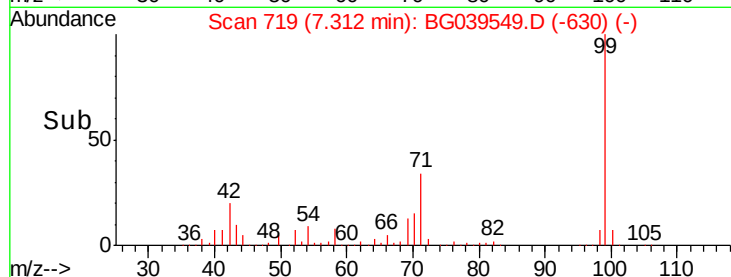
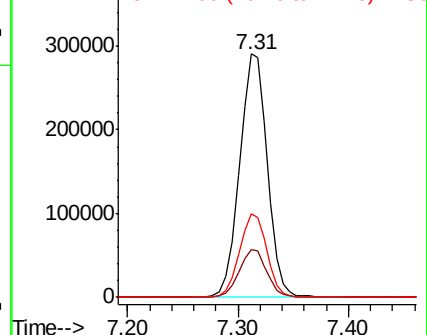
99 100

42 19.5 18.2 27.2

71 34.4 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: 14.029 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039549.D

Acq: 18 Feb 2019 21:21

Tgt Ion: 70 Resp: 48721

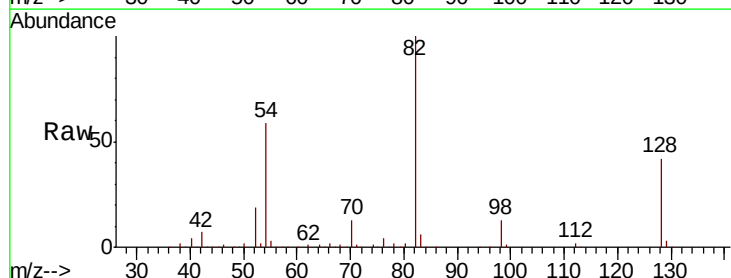
Ion Ratio Lower Upper

70 100

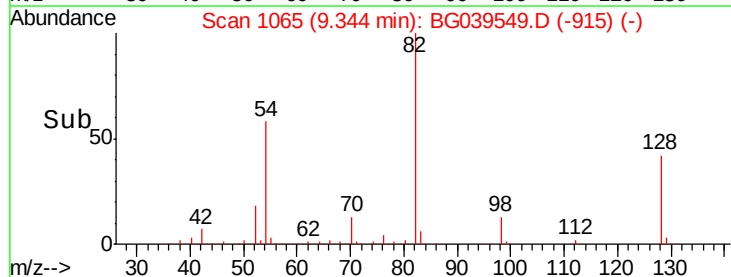
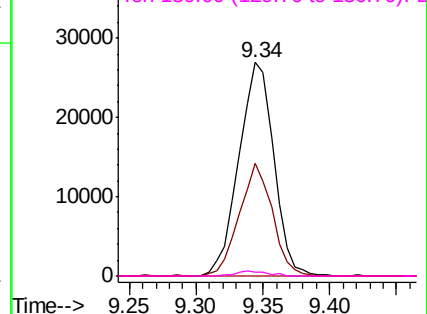
42 52.8 60.4 90.6#

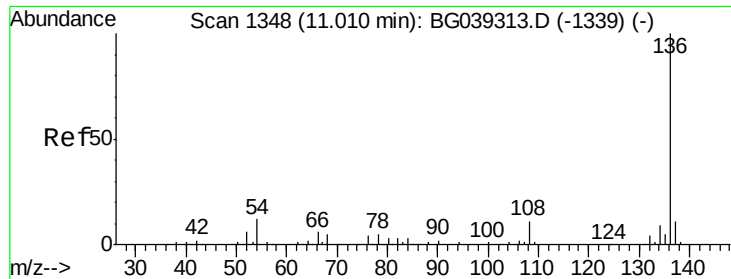
101 0.0 7.5 11.3#

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

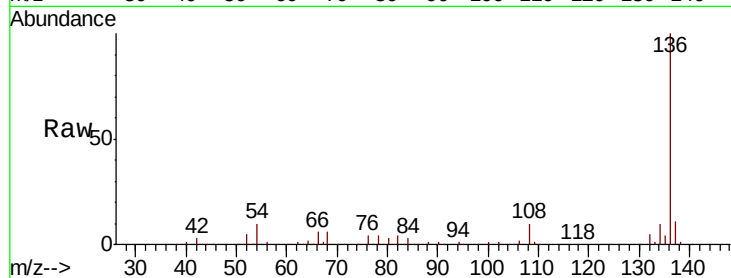




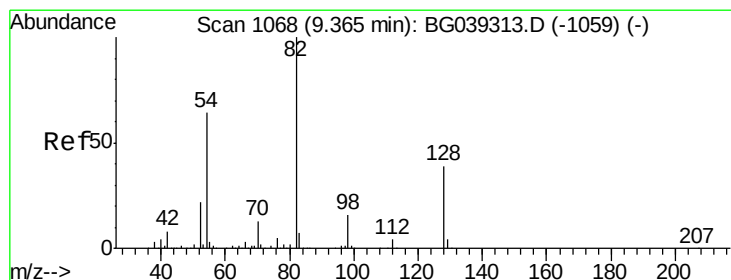
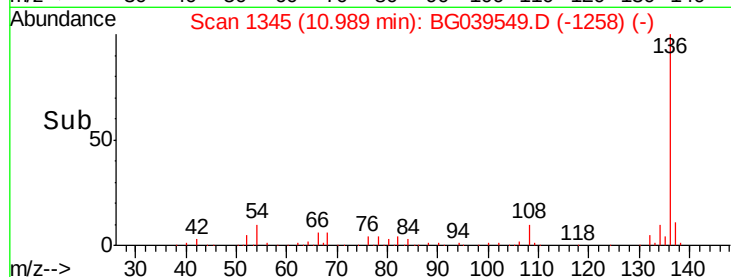
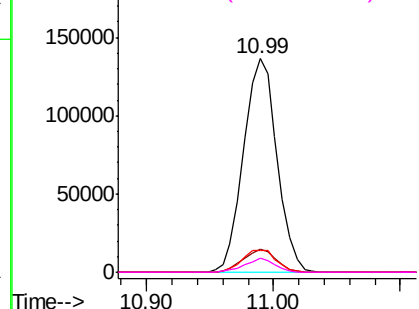
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039549.D
Acq: 18 Feb 2019 21:21

Instrument :
BNA_G
ClientSampleId :
M-12-D

Tgt Ion:	136	Resp:	249367
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	10.2	9.4	14.2
68	6.3	4.2	6.4

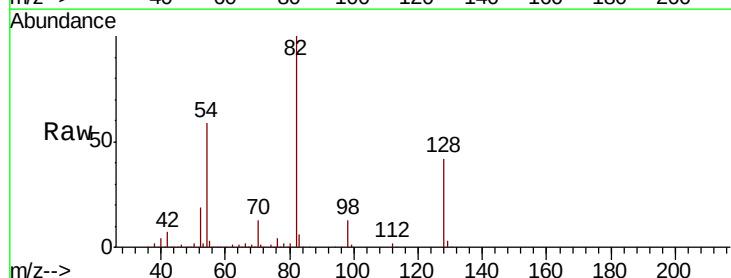


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

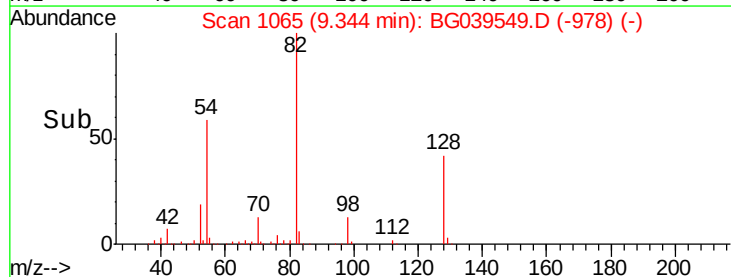
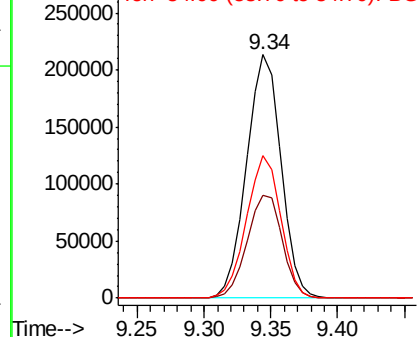


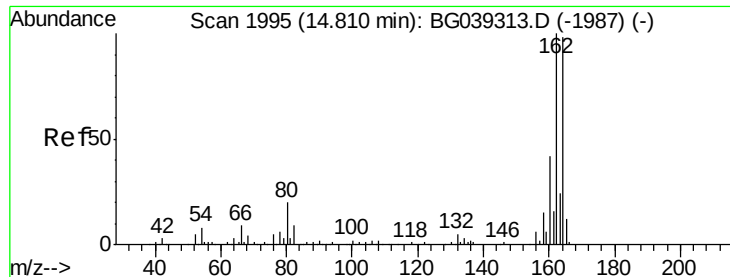
#23
Nitrobenzene-d5
Concen: 95.169 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039549.D
Acq: 18 Feb 2019 21:21

Tgt Ion:	82	Resp:	379885
Ion	Ratio	Lower	Upper
82	100		
128	42.4	31.3	46.9
54	58.6	50.9	76.3



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039549.D

Acq: 18 Feb 2019 21:21

Instrument :

BNA_G

ClientSampleId :

M-12-D

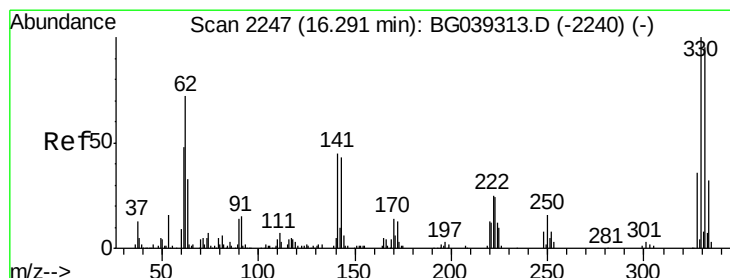
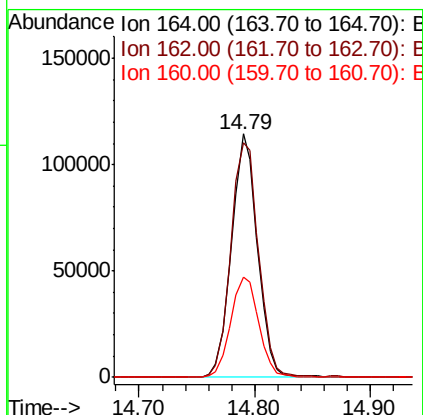
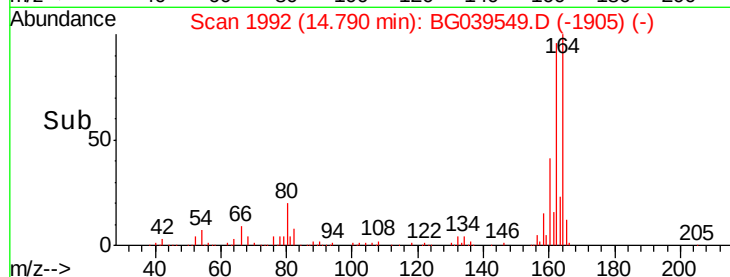
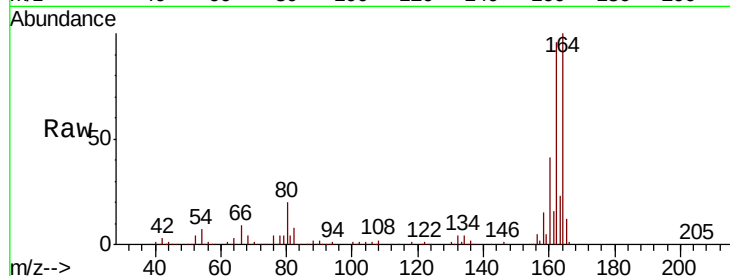
Tgt Ion:164 Resp: 178619

Ion Ratio Lower Upper

164 100

162 96.5 81.6 122.4

160 41.2 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 128.857 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039549.D

Acq: 18 Feb 2019 21:21

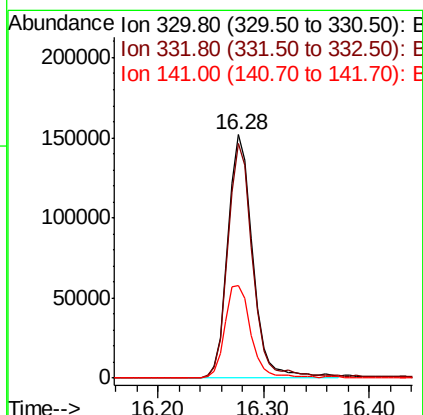
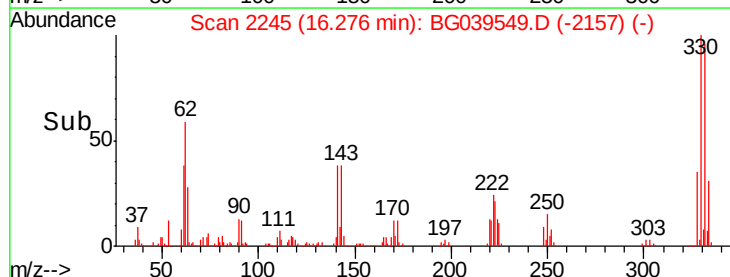
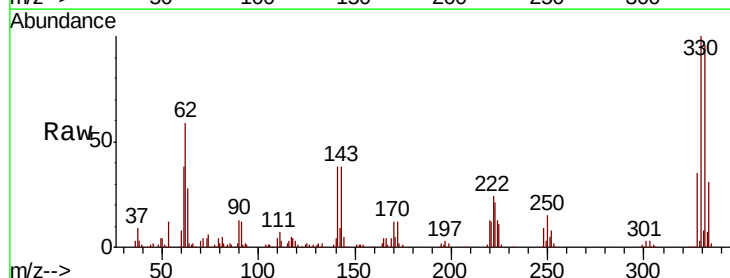
Tgt Ion:330 Resp: 247847

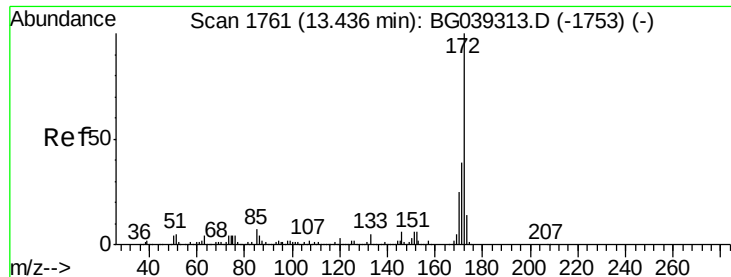
Ion Ratio Lower Upper

330 100

332 96.1 75.7 113.5

141 39.7 35.6 53.4

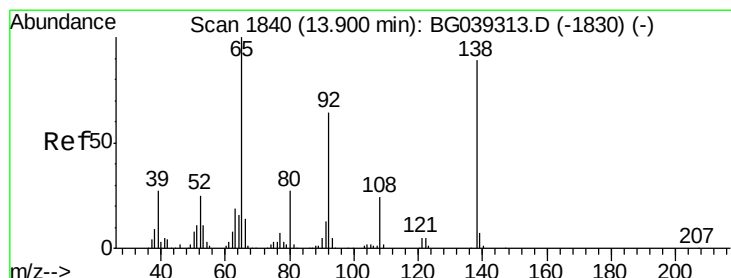
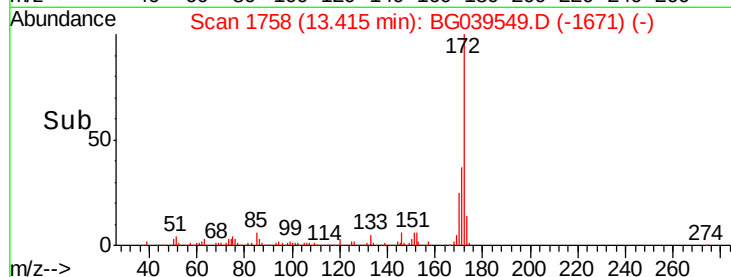
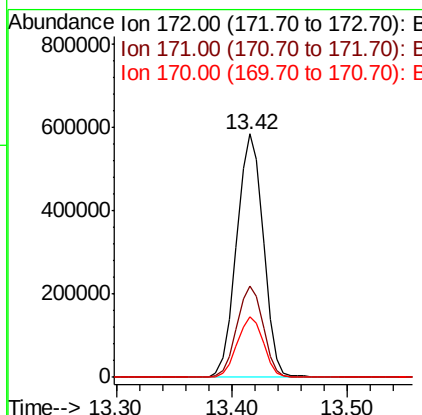
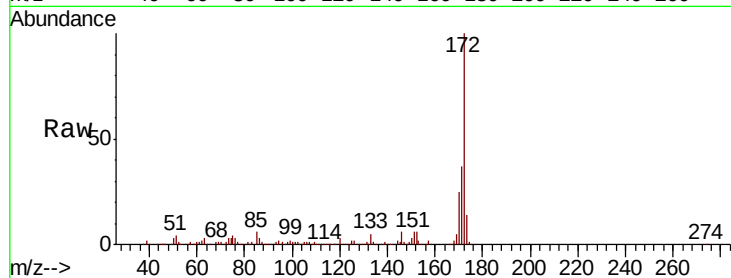




#45
2-Fluorobiphenyl
Concen: 75.176 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BG039549.D
Acq: 18 Feb 2019 21:21

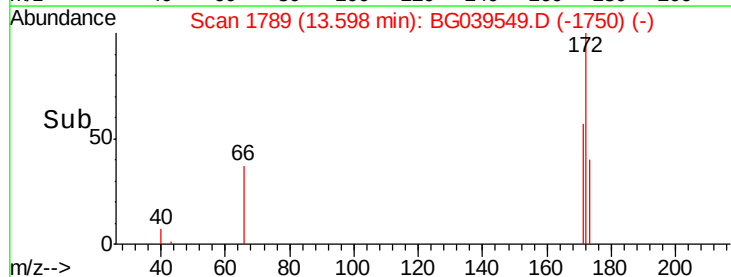
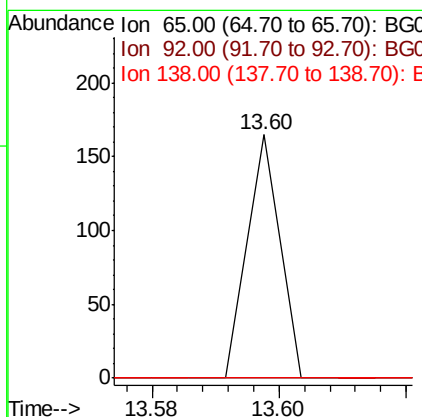
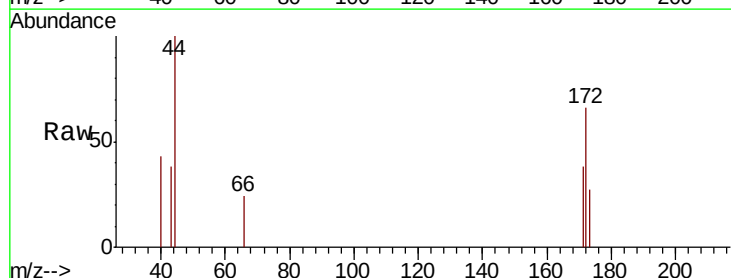
Instrument :
BNA_G
ClientSampleId :
M-12-D

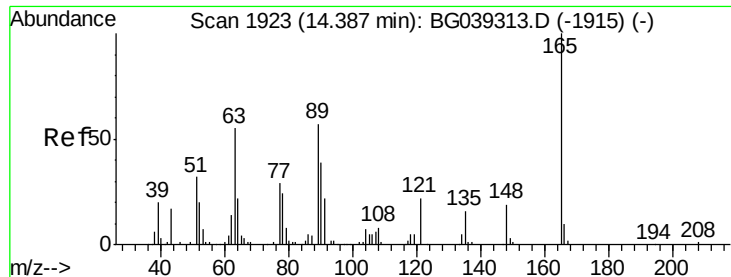
Tgt Ion: 172 Resp: 936030
Ion Ratio Lower Upper
172 100
171 37.4 30.8 46.2
170 25.1 20.2 30.4



#48
2-Nitroaniline
Concen: 8.311 ng
RT: 13.60 min Scan# 1789
Delta R.T. -0.30 min
Lab File: BG039549.D
Acq: 18 Feb 2019 21:21

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#

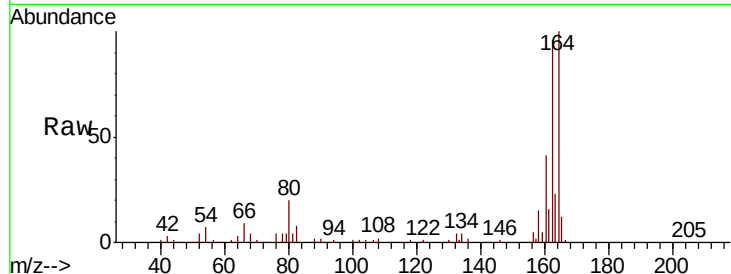




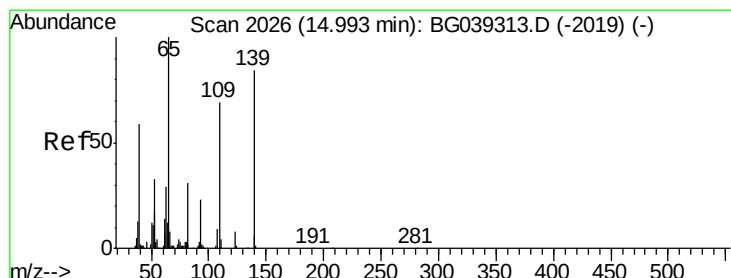
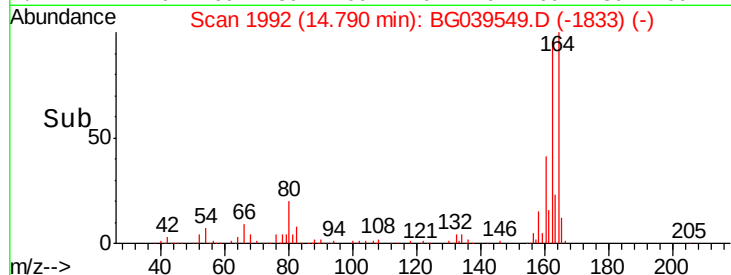
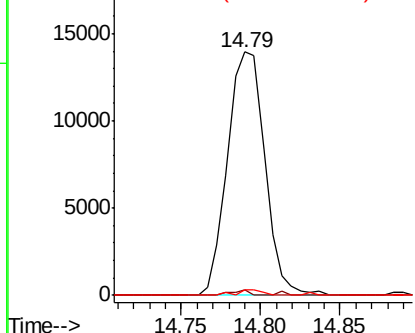
#51
 2,6-Dinitrotoluene
 Concen: 13.867 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. 0.40 min
 Lab File: BG039549.D
 Acq: 18 Feb 2019 21:21

Instrument :
 BNA_G
 ClientSampleId :
 M-12-D

Tgt Ion:165 Resp: 22823
 Ion Ratio Lower Upper
 165 100
 63 2.5 47.0 70.6#
 89 2.5 45.8 68.8#

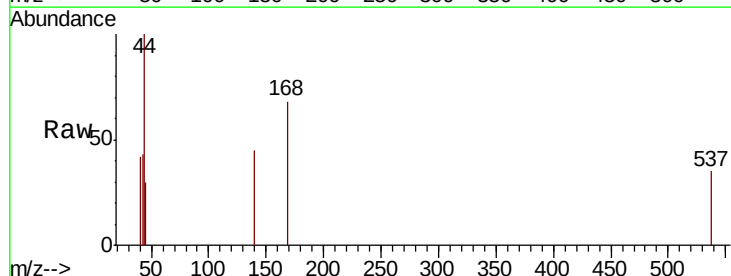


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

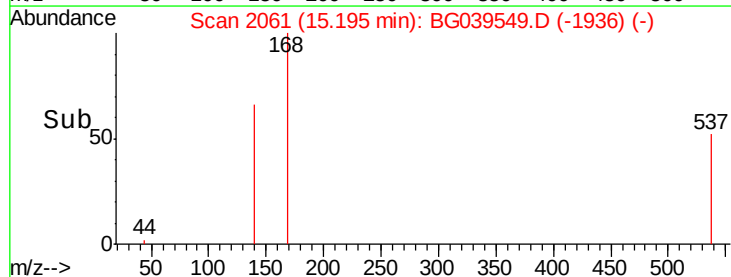
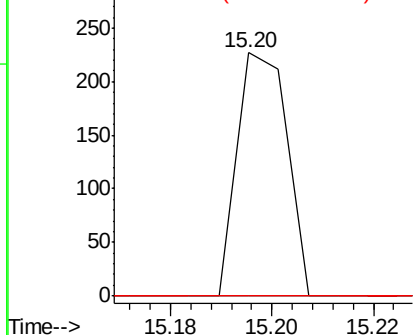


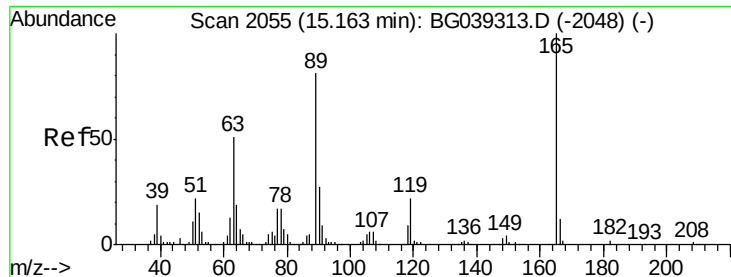
#56
 4-Nitrophenol
 Concen: 5.849 ng
 RT: 15.20 min Scan# 2061
 Delta R.T. 0.20 min
 Lab File: BG039549.D
 Acq: 18 Feb 2019 21:21

Tgt Ion:139 Resp: 155
 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

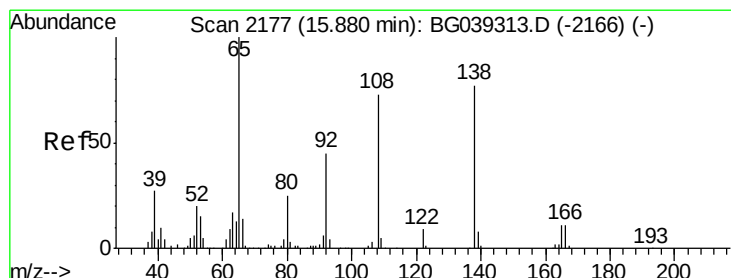
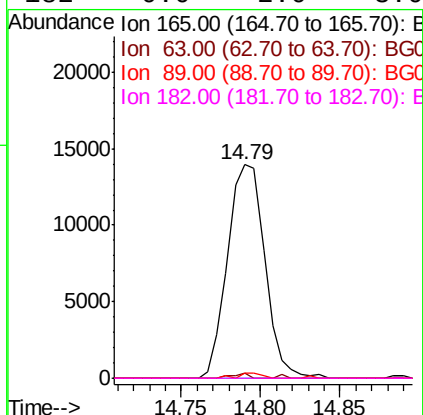
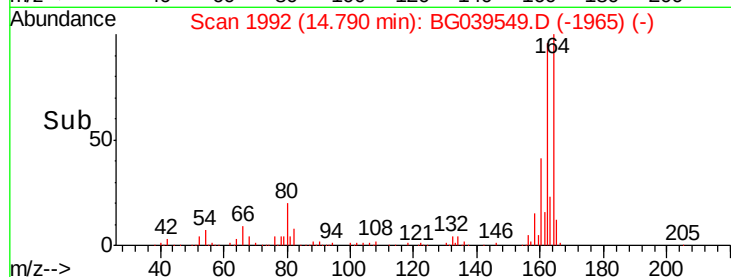
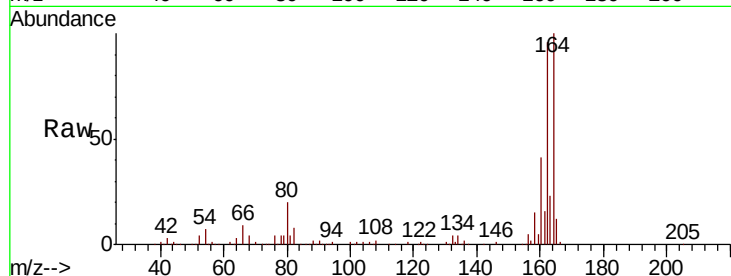




#57
 2,4-Dinitrotoluene
 Concen: 13.356 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.37 min
 Lab File: BG039549.D
 Acq: 18 Feb 2019 21:21

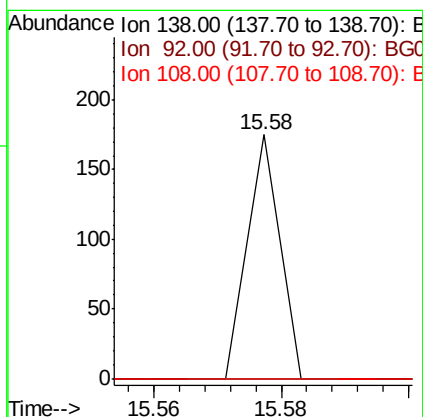
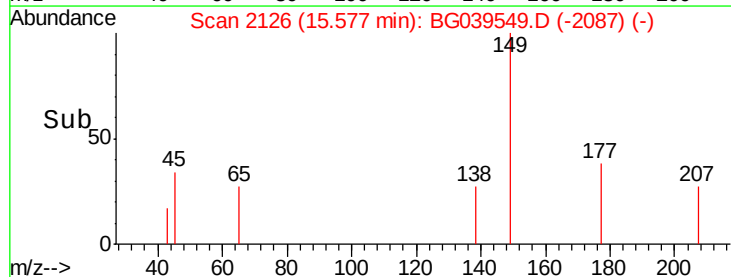
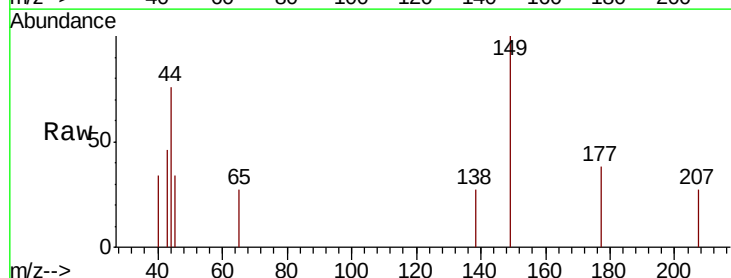
Instrument :
 BNA_G
 ClientSampleId :
 M-12-D

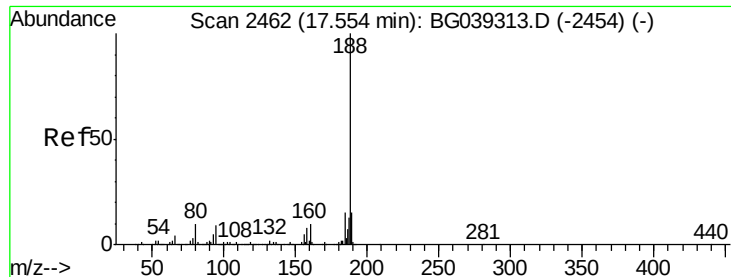
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.5	41.0	61.6#
89	2.5	64.6	96.8#
182	0.0	2.0	3.0#



#62
 4-Nitroaniline
 Concen: 4.221 ng
 RT: 15.58 min Scan# 2126
 Delta R.T. -0.30 min
 Lab File: BG039549.D
 Acq: 18 Feb 2019 21:21

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: BG039549.D

Acq: 18 Feb 2019 21:21

Instrument :

BNA_G

ClientSampleId :

M-12-D

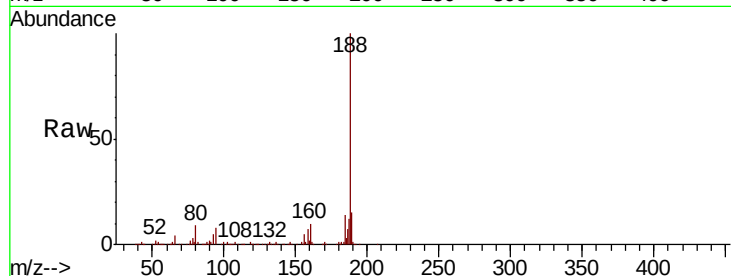
Tgt Ion:188 Resp: 449106

Ion Ratio Lower Upper

188 100

94 8.1 6.9 10.3

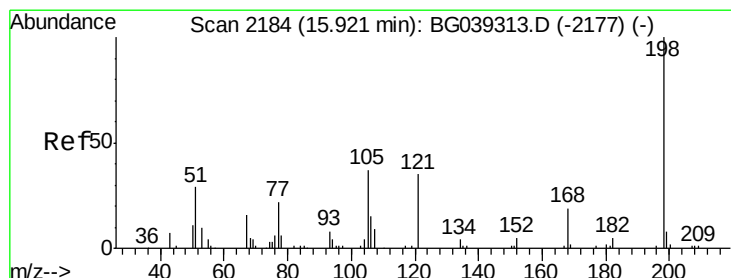
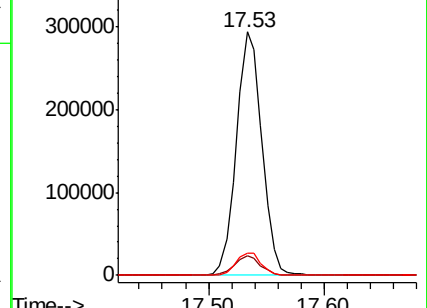
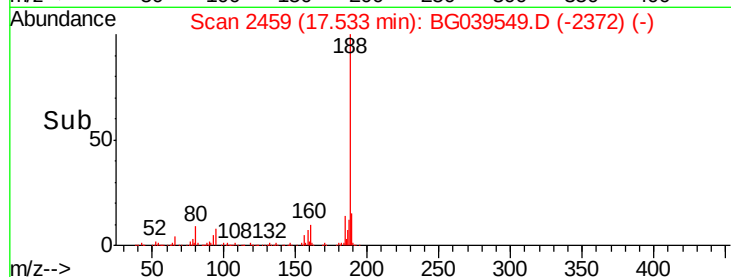
80 9.4 8.1 12.1



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.214 ng

RT: 16.07 min Scan# 2210

Delta R.T. 0.15 min

Lab File: BG039549.D

Acq: 18 Feb 2019 21:21

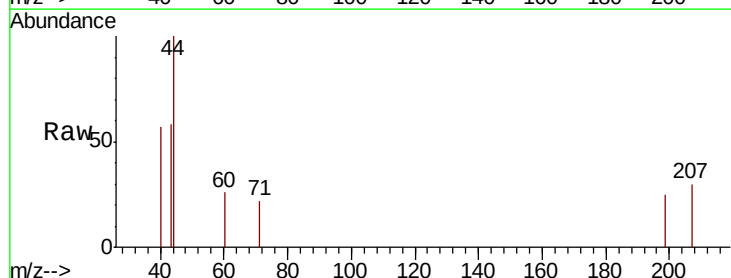
Tgt Ion:198 Resp: 62

Ion Ratio Lower Upper

198 100

51 0.0 27.4 67.4#

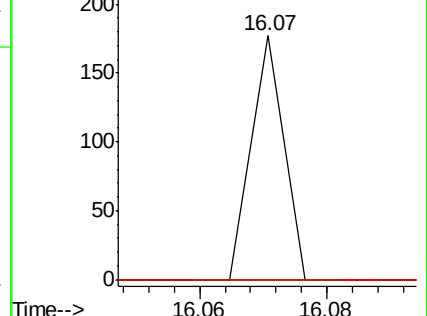
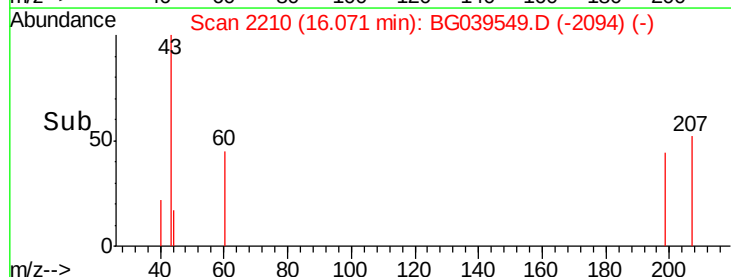
105 0.0 19.7 59.7#

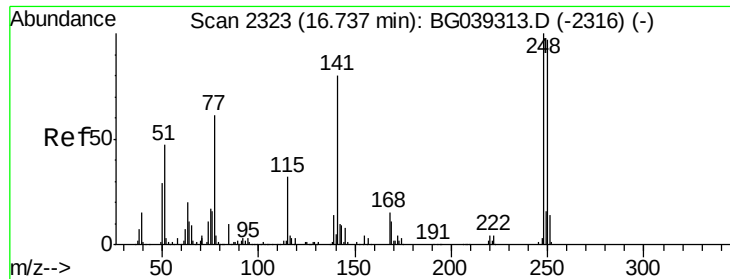


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

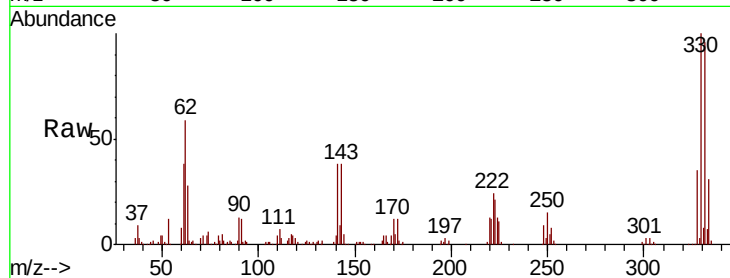




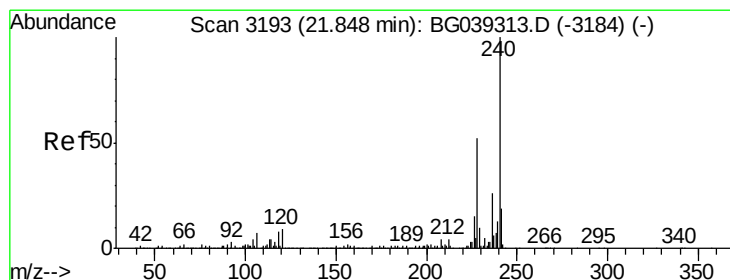
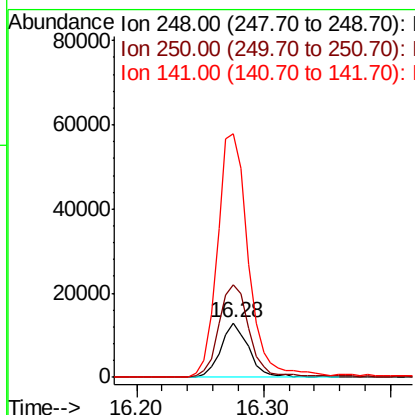
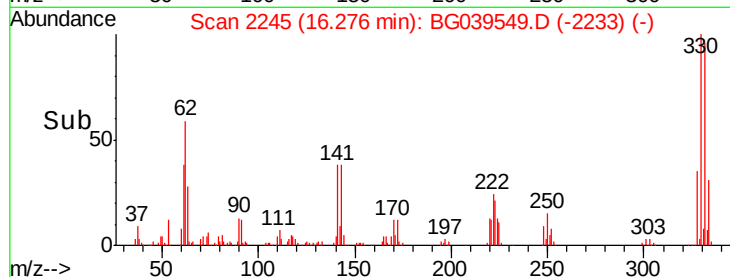
#67
 4-Bromophenyl-phenylether
 Concen: 4.016 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039549.D
 Acq: 18 Feb 2019 21:21

Instrument :
 BNA_G
 ClientSampleId :
 M-12-D

Tgt Ion:248 Resp: 20010
 Ion Ratio Lower Upper
 248 100
 250 169.4 77.6 116.4#
 141 445.0 63.9 95.9#

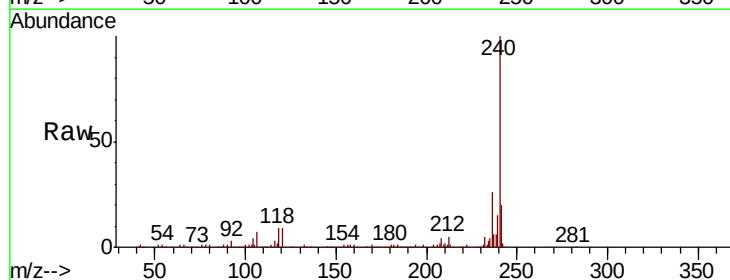


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

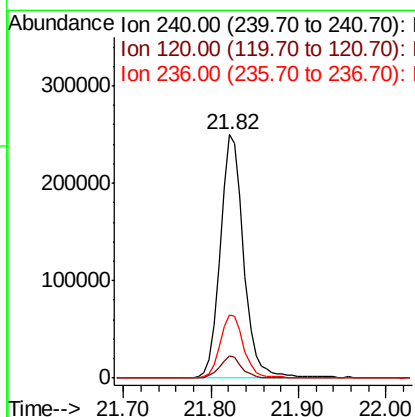
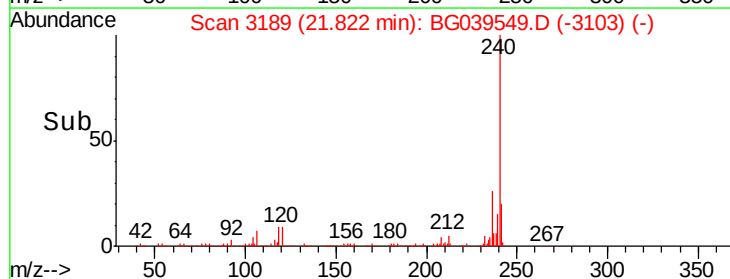


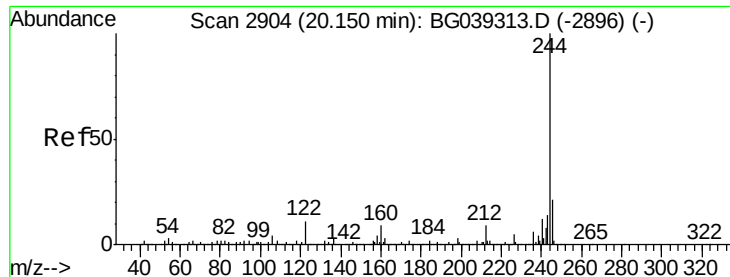
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.03 min
 Lab File: BG039549.D
 Acq: 18 Feb 2019 21:21

Tgt Ion:240 Resp: 459529
 Ion Ratio Lower Upper
 240 100
 120 9.0 7.0 10.6
 236 26.0 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: 73.348 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039549.D

Acq: 18 Feb 2019 21:21

Instrument :

BNA_G

ClientSampleId :

M-12-D

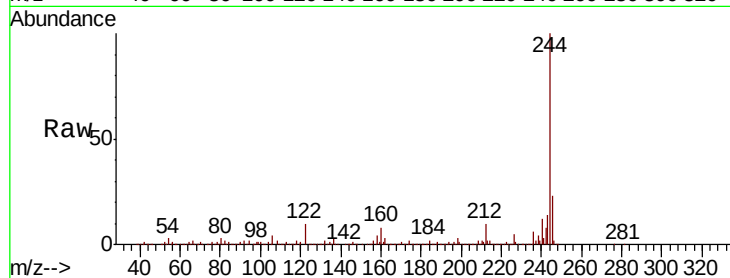
Tgt Ion:244 Resp: 1592368

Ion Ratio Lower Upper

244 100

212 9.6 7.3 10.9

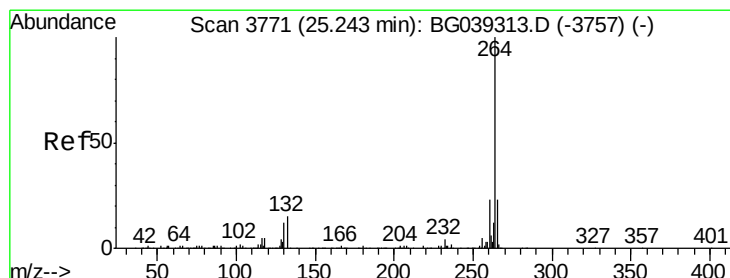
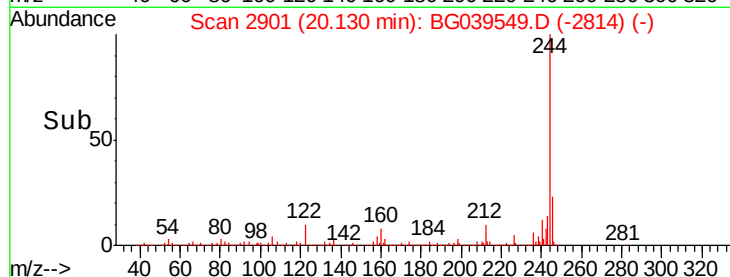
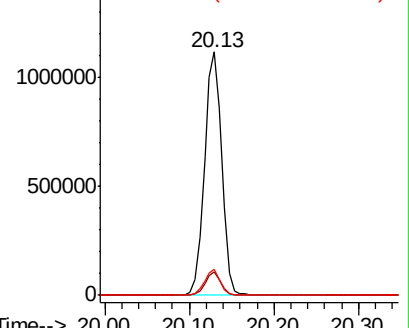
122 10.4 8.4 12.6



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: 25.21 min Scan# 3765

Delta R.T. -0.04 min

Lab File: BG039549.D

Acq: 18 Feb 2019 21:21

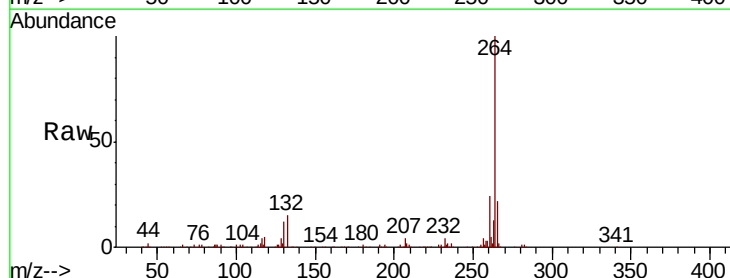
Tgt Ion:264 Resp: 381858

Ion Ratio Lower Upper

264 100

260 23.7 18.2 27.4

265 22.0 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

