

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
 Data File : BG039463.D
 Acq On : 12 Feb 2019 14:33
 Operator : JU/SJ
 Sample : PB117032BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 12 18:01:08 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

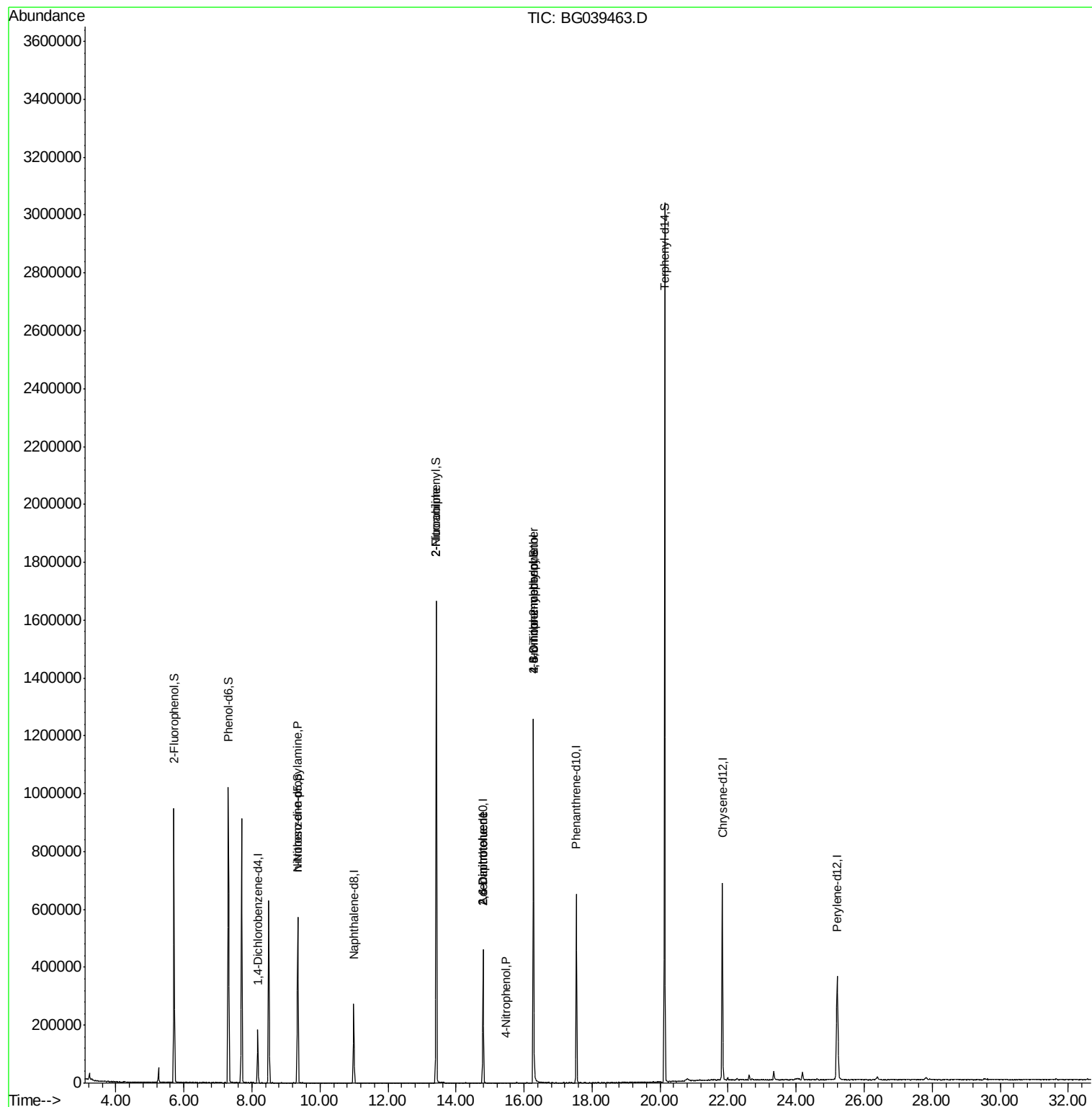
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	50037	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	236189	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	167196	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	417200	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	424843	20.00	ng	-0.02
87) Perylene-d12	25.21	264	416818	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	393469	134.59	ng	0.00
7) Phenol-d6	7.31	99	583875	135.68	ng	-0.01
23) Nitrobenzene-d5	9.35	82	333948	88.33	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	223805	124.31	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	898217	77.07	ng	-0.02
79) Terphenyl-d14	20.13	244	1407994	70.15	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.31	77	1008	Below Cal	Qvalue	# 4
19) n-Nitroso-di-n-propylamine	9.35	70	43303	14.177 ng	#	69
48) 2-Nitroaniline	13.42	65	1506	8.711 ng	#	7
51) 2,6-Dinitrotoluene	14.80	165	21973	14.076 ng	#	24
56) 4-Nitrophenol	15.46	139	59	5.816 ng	#	1
57) 2,4-Dinitrotoluene	14.80	165	21973	13.514 ng	#	19
65) 4,6-Dinitro-2-methylphenol	16.28	198	865	4.840 ng	#	1
67) 4-Bromophenyl-phenylether	16.28	248	17084	3.691 ng	#	1

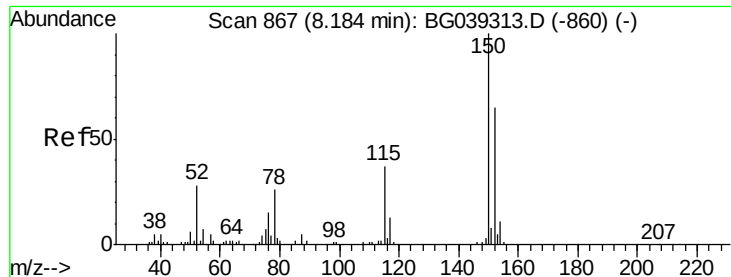
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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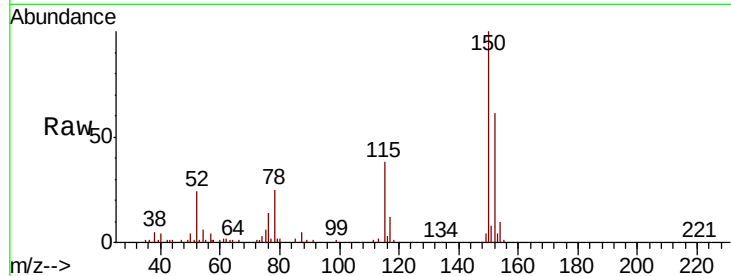


#1

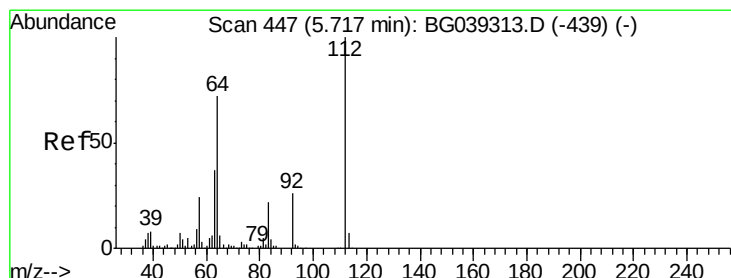
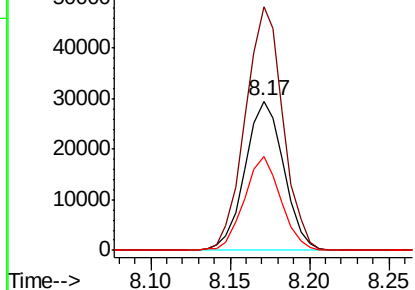
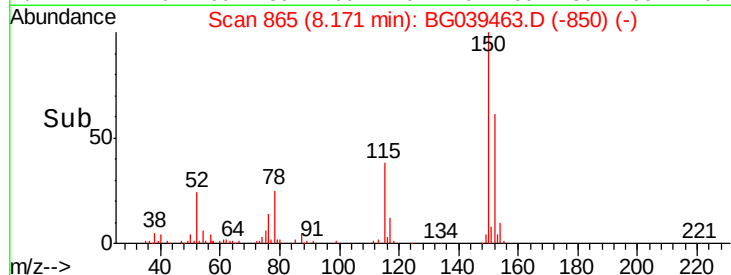
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.17 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: BG039463.D
 Acq: 12 Feb 2019 14:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.4	123.7	185.5
115	62.7	45.9	68.9



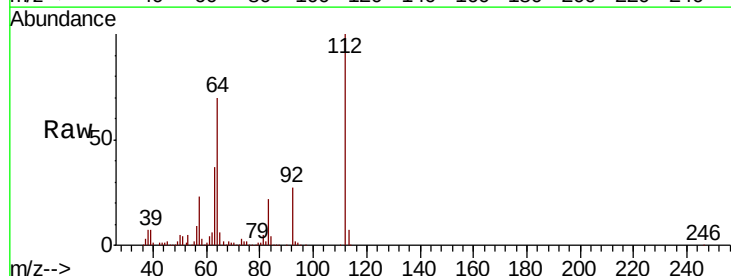
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



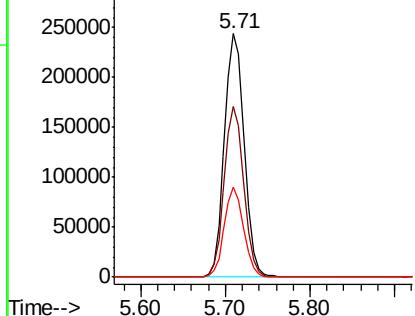
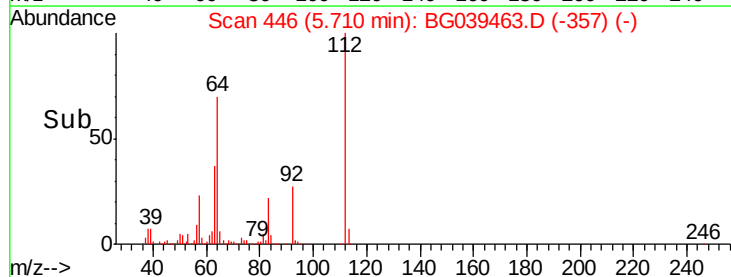
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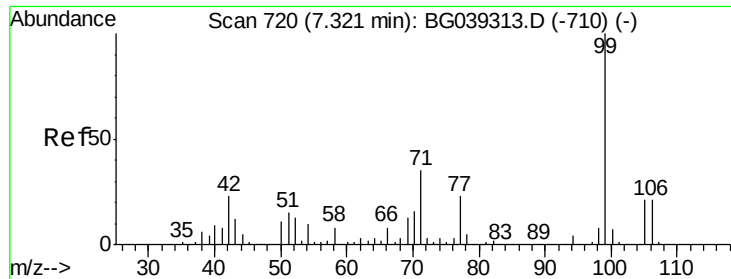
2-Fluorophenol
 Concen: 134.586 ng
 RT: 5.71 min Scan# 446
 Delta R.T. -0.01 min
 Lab File: BG039463.D
 Acq: 12 Feb 2019 14:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.9	57.8	86.8
63	37.2	29.8	44.6



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BG0
 Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 135.678 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039463.D

Acq: 12 Feb 2019 14:33

Instrument :

BNA_G

ClientSampleId :

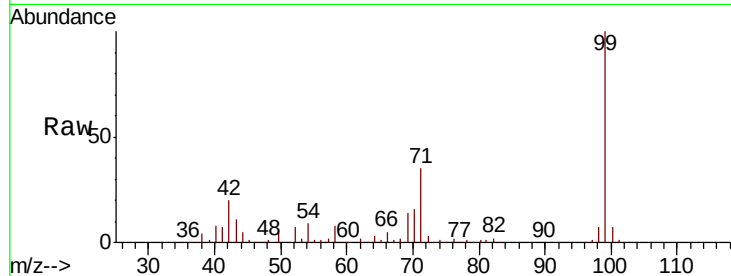
Tot Ion: 99 Resp: 583875

Ion Ratio Lower Upper

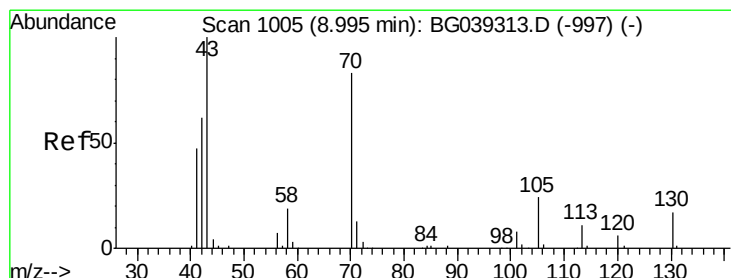
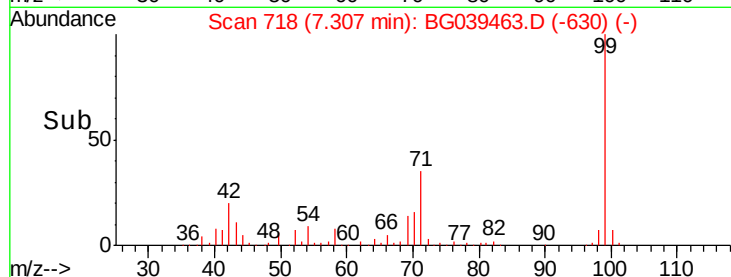
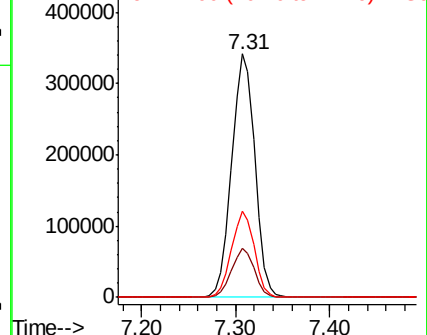
99 100

42 20.3 18.2 27.2

71 35.3 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: 14.177 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039463.D

Acq: 12 Feb 2019 14:33

Tgt Ion: 70 Resp: 43303

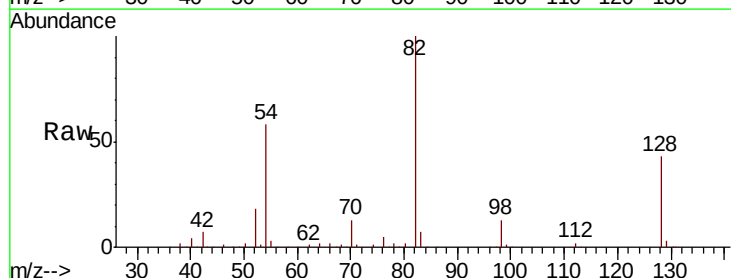
Ion Ratio Lower Upper

70 100

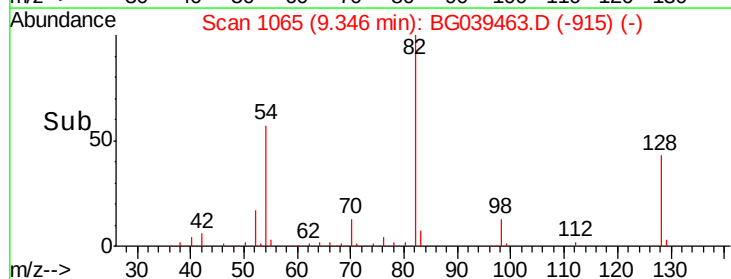
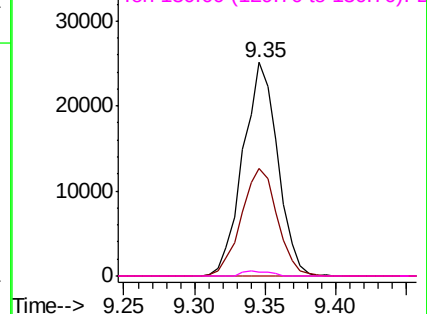
42 50.5 60.4 90.6#

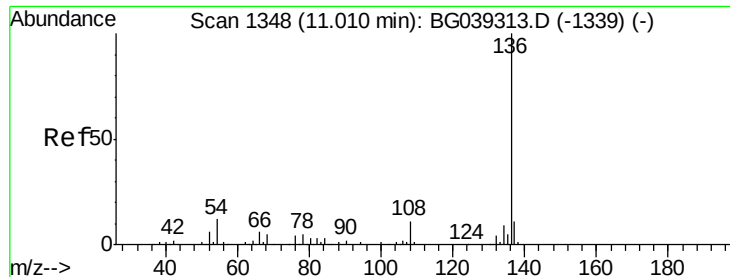
101 0.0 7.5 11.3#

130 2.1 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

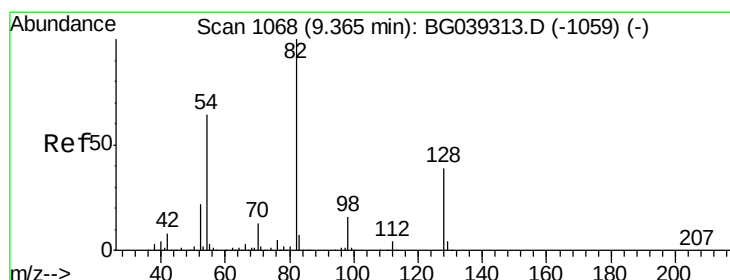
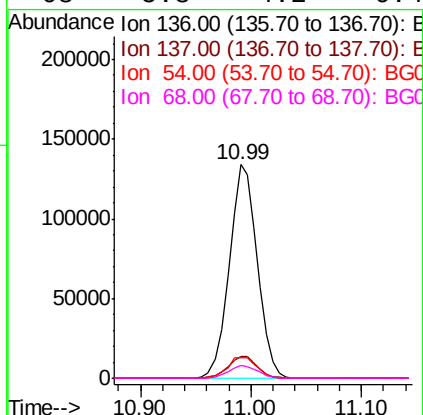
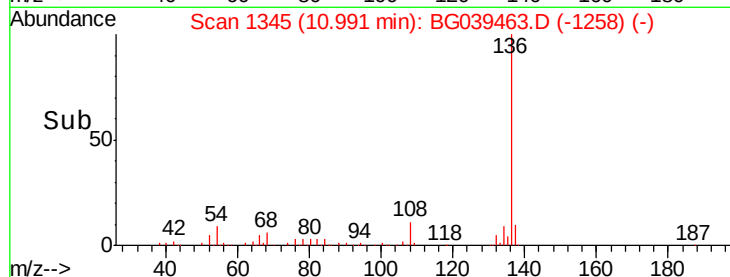
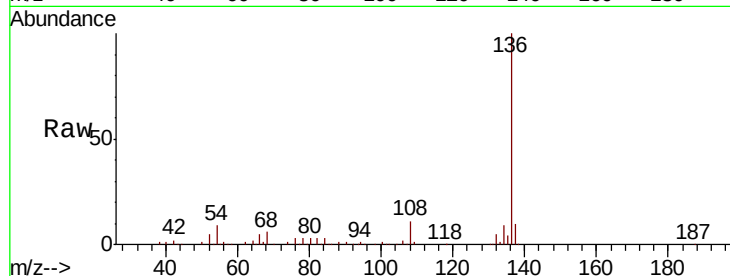




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039463.D
Acq: 12 Feb 2019 14:33

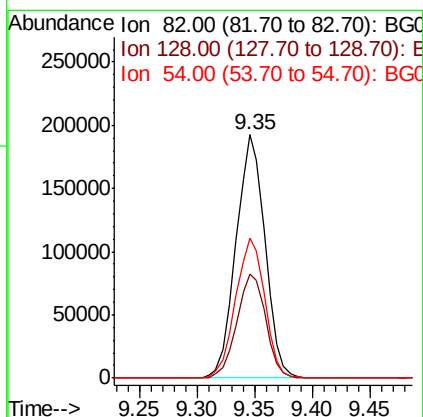
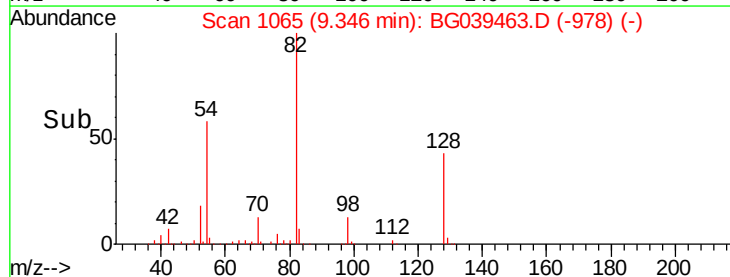
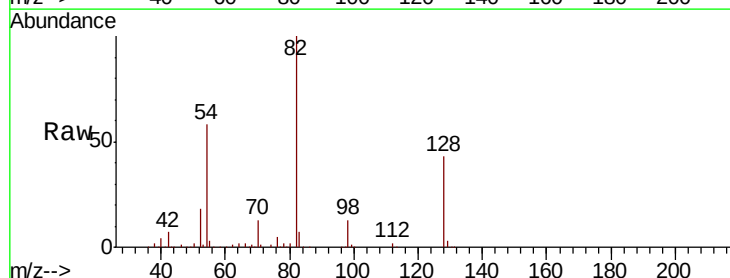
Instrument :
BNA_G
ClientSampleId :

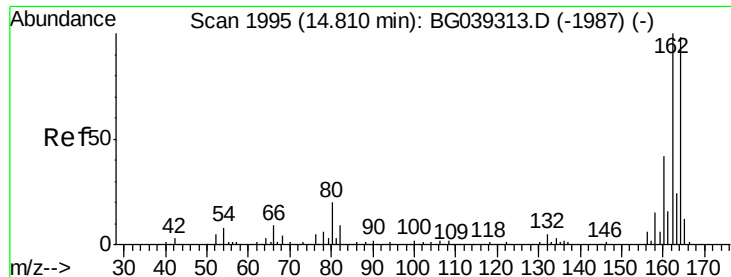
Tot Ion:136	Resp:	236189
Ion Ratio	Lower	Upper
136	100	
137	10.3	9.1 13.7
54	9.4	9.4 14.2#
68	5.8	4.2 6.4



#23
Nitrobenzene-d5
Concen: 88.329 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039463.D
Acq: 12 Feb 2019 14:33

Tgt Ion: 82	Resp:	333948
Ion Ratio	Lower	Upper
82	100	
128	42.6	31.3 46.9
54	57.6	50.9 76.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039463.D

Acq: 12 Feb 2019 14:33

Instrument :

BNA_G

ClientSampleId :

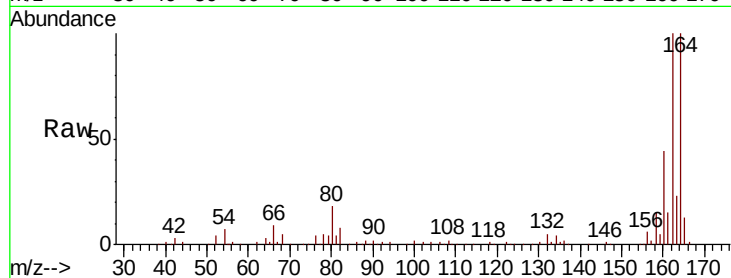
Tot Ion:164 Resp: 167196

Ion Ratio Lower Upper

164 100

162 99.6 81.6 122.4

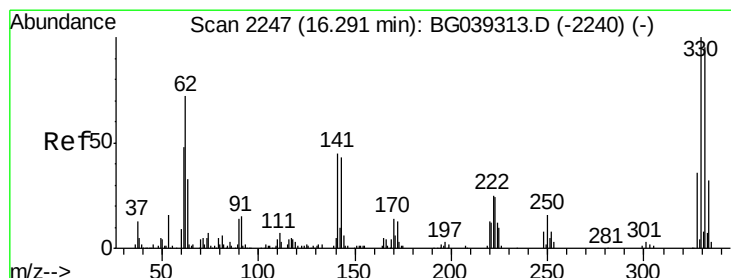
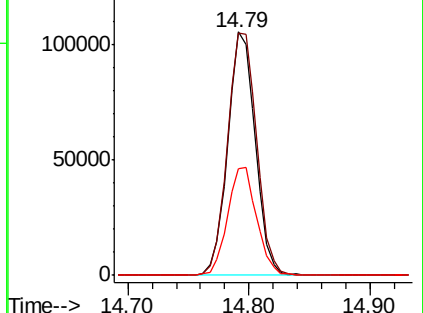
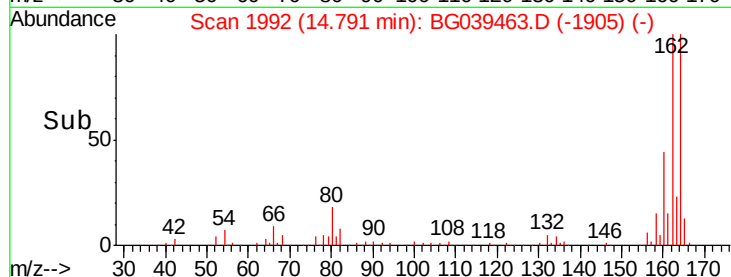
160 43.7 34.2 51.2



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: 124.307 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039463.D

Acq: 12 Feb 2019 14:33

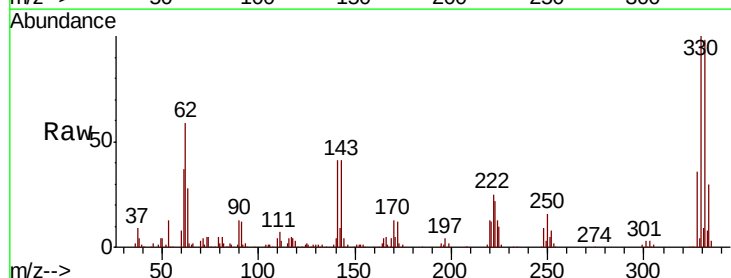
Tgt Ion:330 Resp: 223805

Ion Ratio Lower Upper

330 100

332 95.4 75.7 113.5

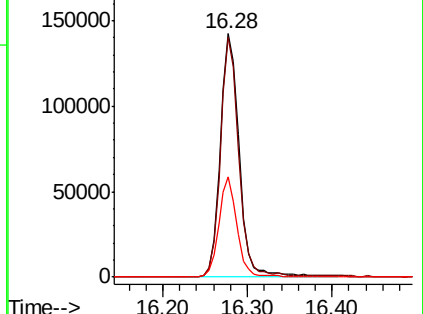
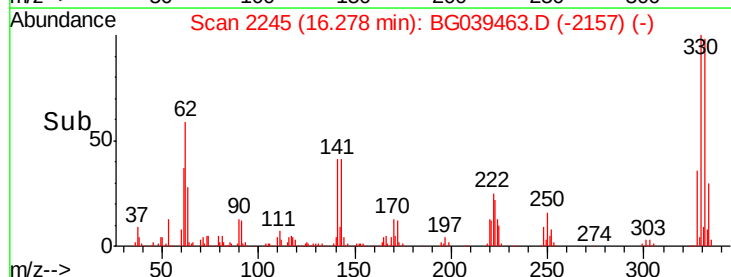
141 39.4 35.6 53.4

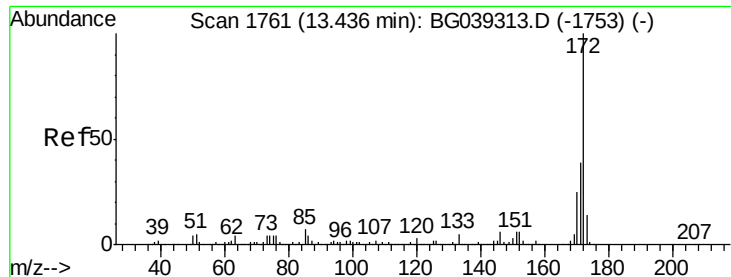


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

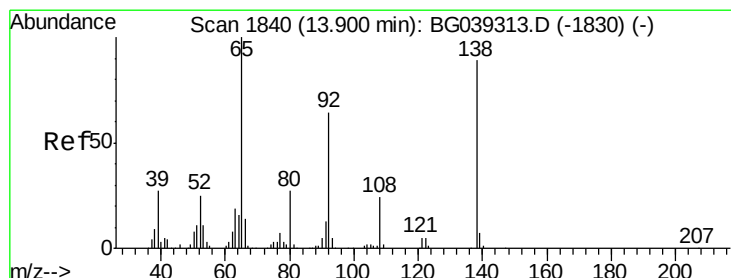
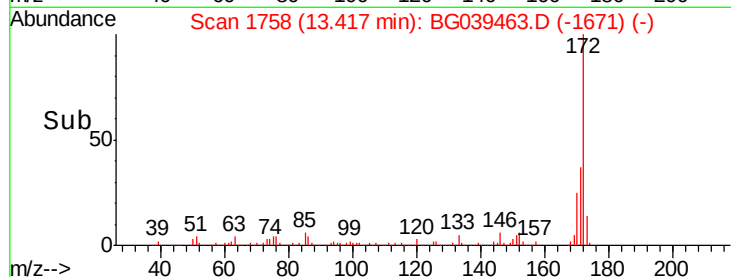
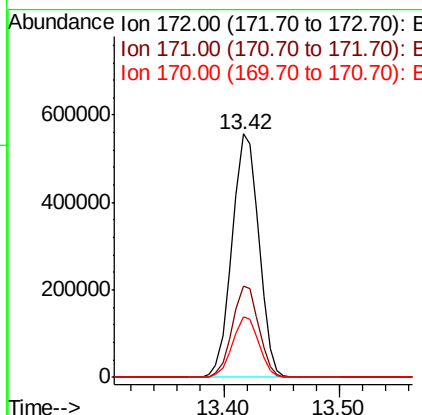
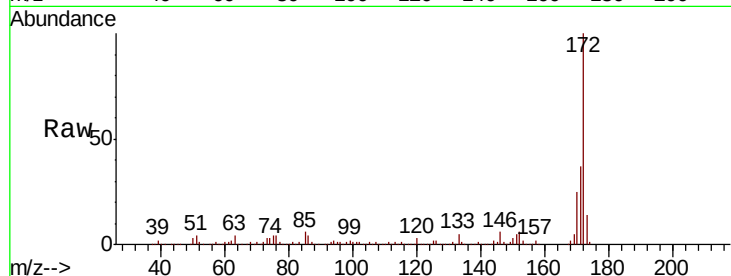




#45
2-Fluorobiphenyl
Concen: 77.067 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BG039463.D
Acq: 12 Feb 2019 14:33

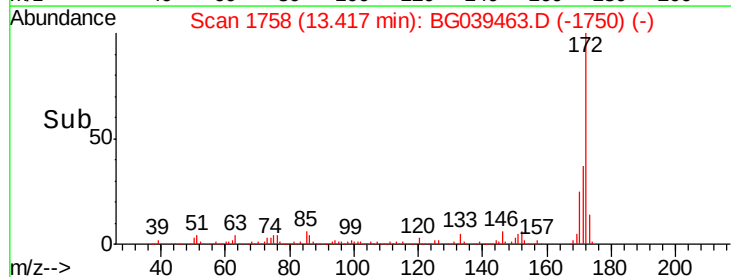
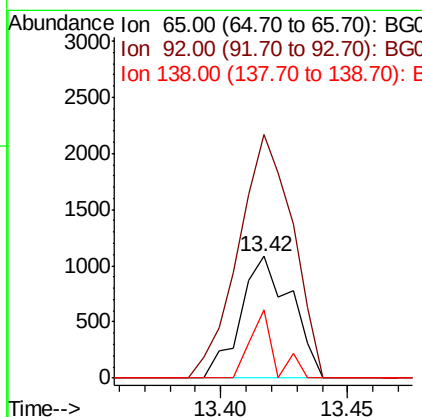
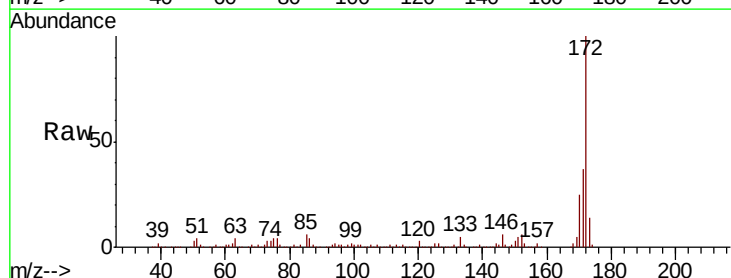
Instrument :
BNA_G
ClientSampleId :

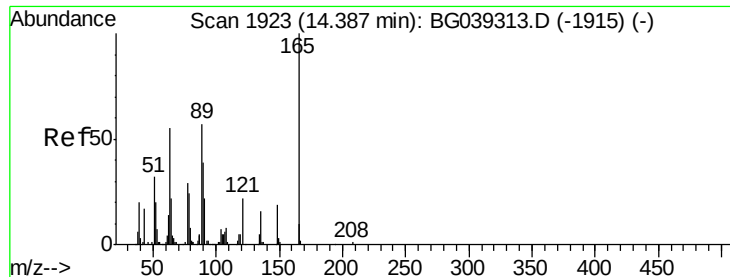
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.8	46.2
170	25.1	20.2	30.4



#48
2-Nitroaniline
Concen: 8.711 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.48 min
Lab File: BG039463.D
Acq: 12 Feb 2019 14:33

Tgt Ion	Ratio	Lower	Upper
65	100		
92	199.6	51.4	77.2#
138	55.6	71.4	107.2#

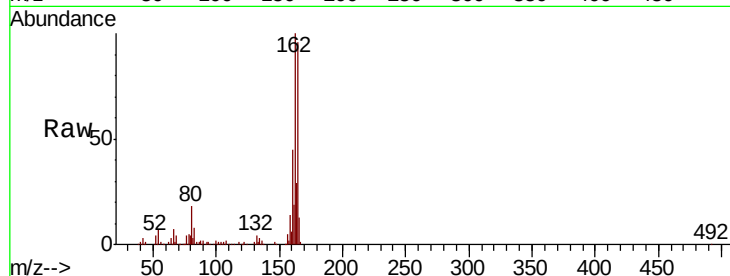




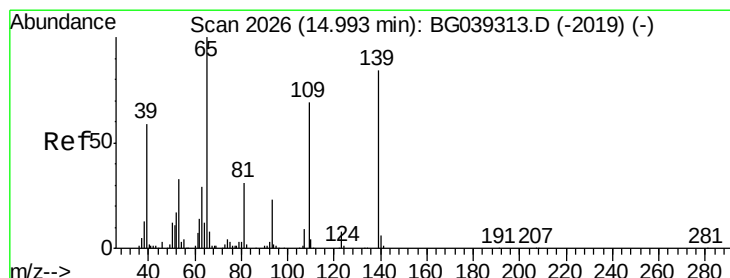
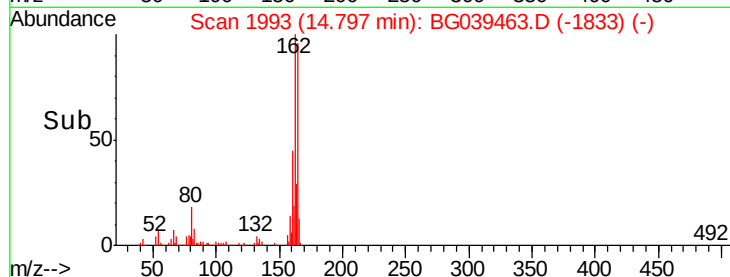
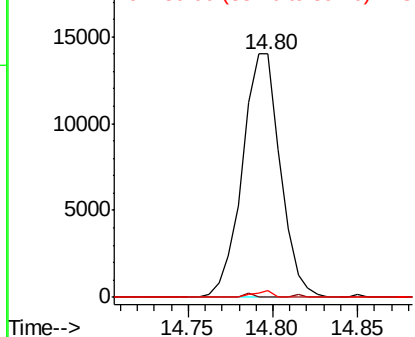
#51
 2,6-Dinitrotoluene
 Concen: 14.076 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. 0.41 min
 Lab File: BG039463.D
 Acq: 12 Feb 2019 14:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.0	70.6#
89	2.8	45.8	68.8#

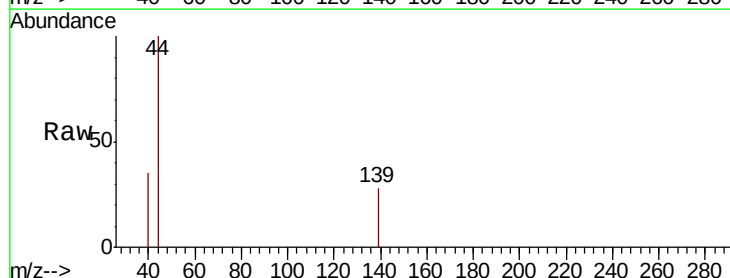


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

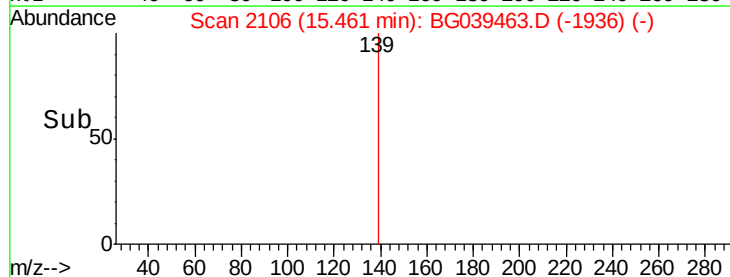
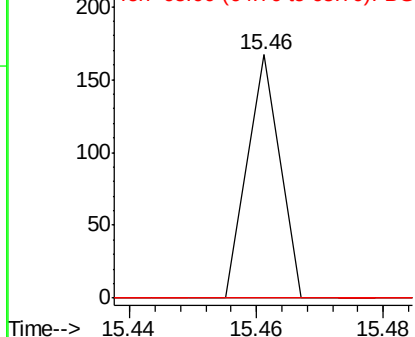


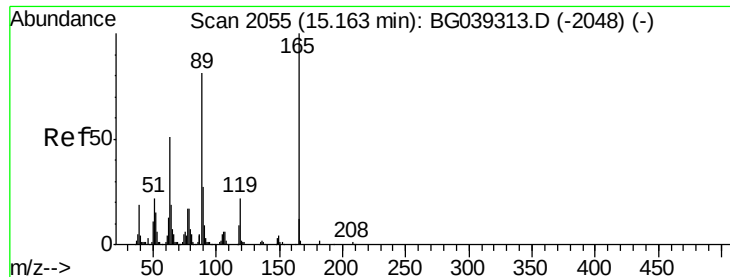
#56
 4-Nitrophenol
 Concen: 5.816 ng
 RT: 15.46 min Scan# 2106
 Delta R.T. 0.47 min
 Lab File: BG039463.D
 Acq: 12 Feb 2019 14:33

Tgt 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): BG

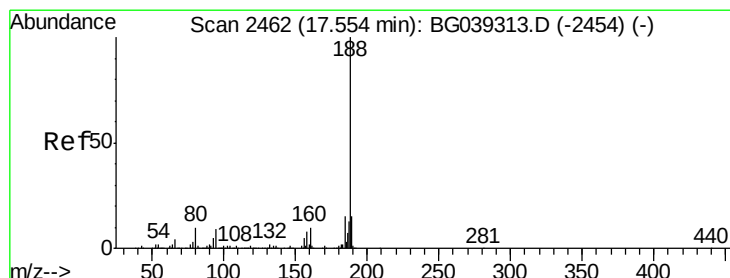
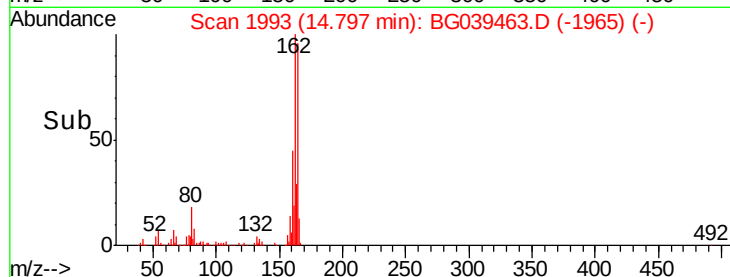
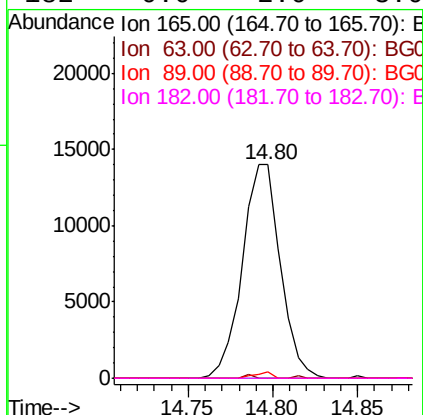
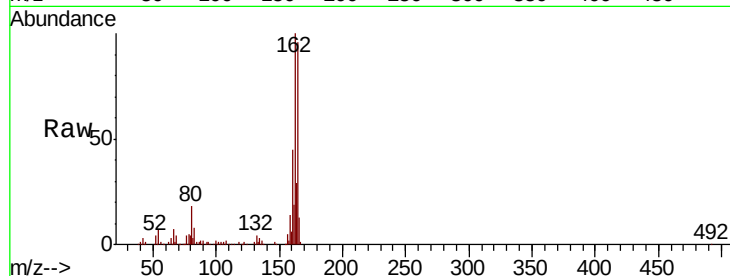




#57
 2,4-Dinitrotoluene
 Concen: 13.514 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. -0.36 min
 Lab File: BG039463.D
 Acq: 12 Feb 2019 14:33

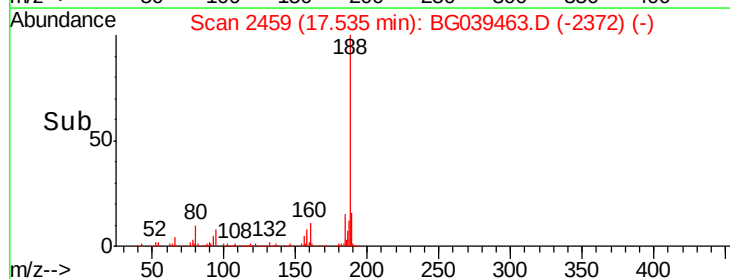
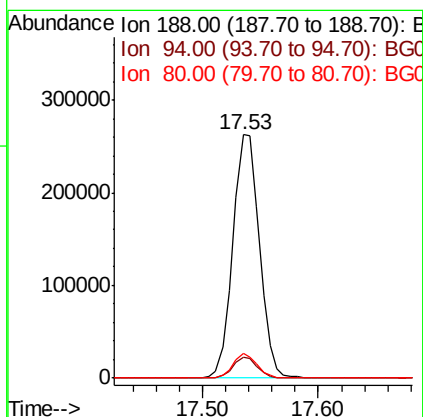
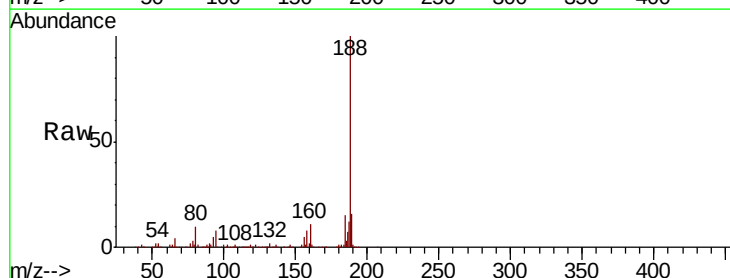
Instrument :
 BNA_G
 ClientSampleId :

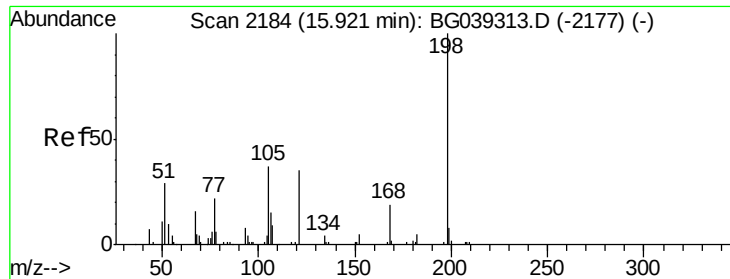
Tot Ion:165 Resp: 21973
 Ion Ratio Lower Upper
 165 100
 63 0.0 41.0 61.6#
 89 2.8 64.6 96.8#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.53 min Scan# 2459
 Delta R.T. -0.02 min
 Lab File: BG039463.D
 Acq: 12 Feb 2019 14:33

Tgt Ion:188 Resp: 417200
 Ion Ratio Lower Upper
 188 100
 94 8.3 6.9 10.3
 80 10.3 8.1 12.1

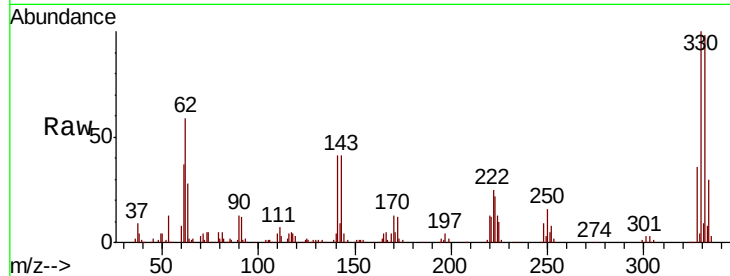




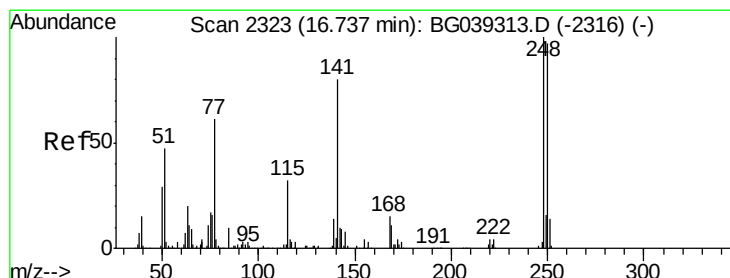
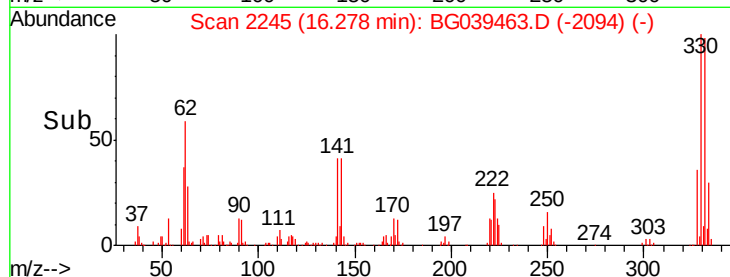
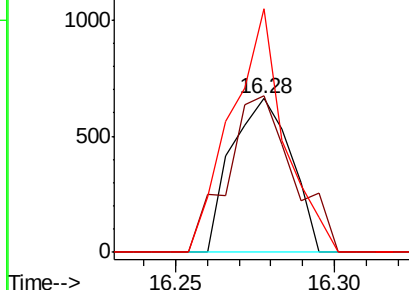
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.840 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. 0.36 min
 Lab File: BG039463.D
 Acq: 12 Feb 2019 14:33

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 865
 Ion Ratio Lower Upper
 198 100
 51 102.0 27.4 67.4#
 105 158.3 19.7 59.7#

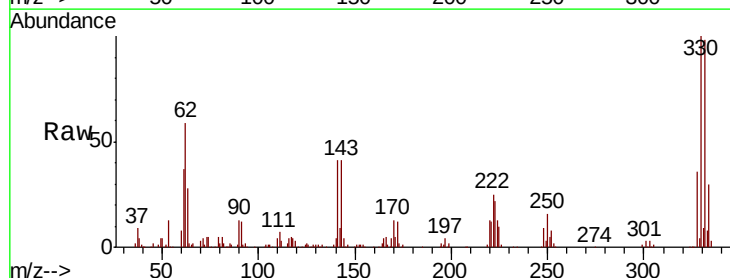


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG039313.D (-2177) (-)
 Ion 105.00 (104.70 to 105.70): E

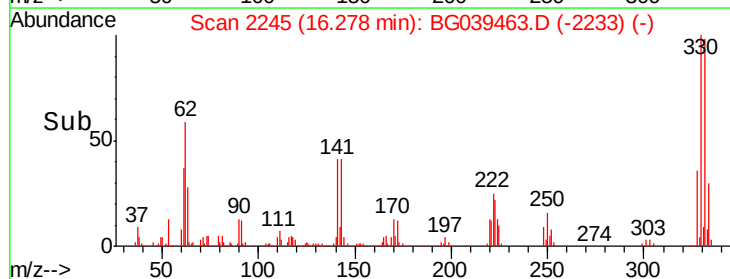
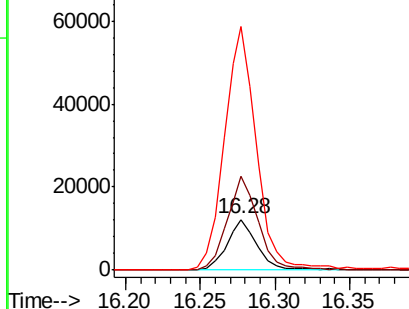


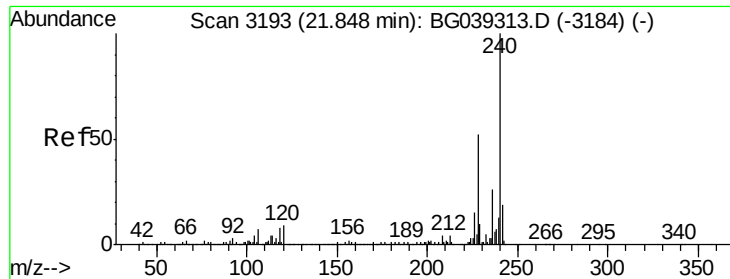
#67
 4-Bromophenyl-phenylether
 Concen: 3.691 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039463.D
 Acq: 12 Feb 2019 14:33

Tgt Ion:248 Resp: 17084
 Ion Ratio Lower Upper
 248 100
 250 185.2 77.6 116.4#
 141 483.4 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

Chrvsene-d12

Concen: 20.000 ng

RT: 21.83 min Scan# 3190

Delta R.T. -0.02 min

Lab File: BG039463.D

Acq: 12 Feb 2019 14:33

Instrument :

BNA_G

ClientSampleId :

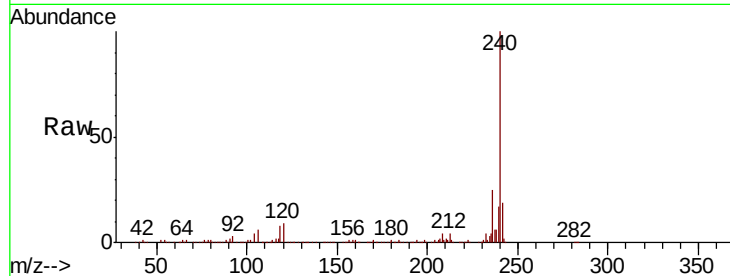
Tot Ion:240 Resp: 424843

Ion Ratio Lower Upper

240 100

120 8.7 7.0 10.6

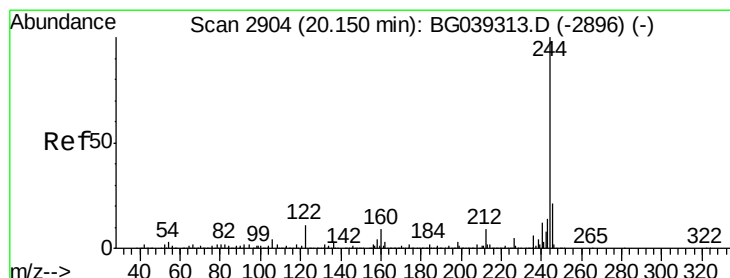
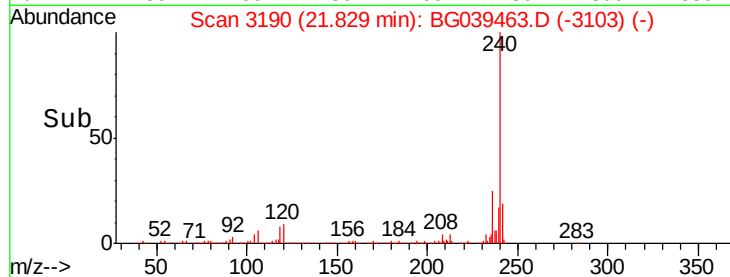
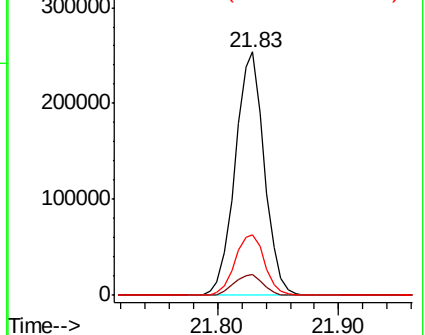
236 24.7 21.0 31.4



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: 70.150 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039463.D

Acq: 12 Feb 2019 14:33

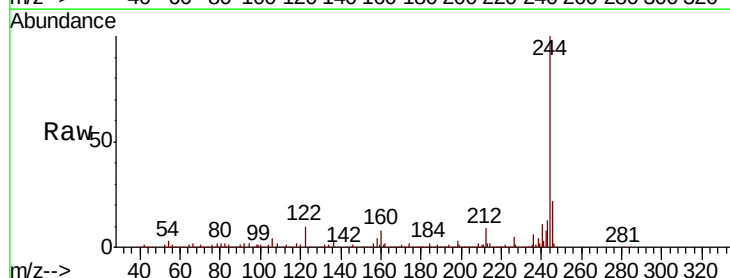
Tgt Ion:244 Resp: 1407994

Ion Ratio Lower Upper

244 100

212 8.8 7.3 10.9

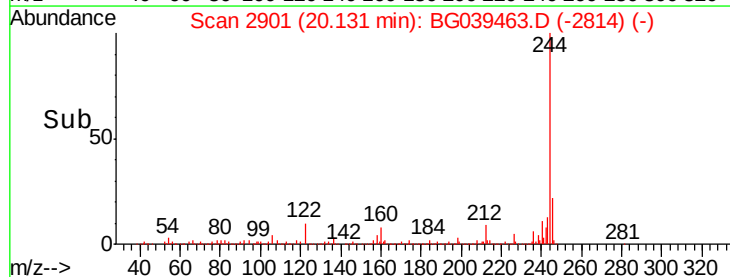
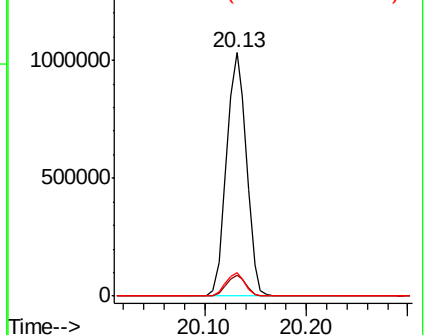
122 9.8 8.4 12.6

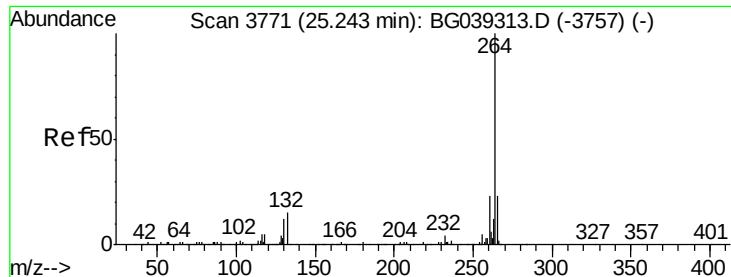


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.21 min Scan# 3765
Delta R.T. -0.04 min
Lab File: BG039463.D
Acq: 12 Feb 2019 14:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.2	27.4
265	21.2	18.5	27.7

