

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022819\
 Data File : BG039688.D
 Acq On : 1 Mar 2019 10:46
 Operator : JU/SJ
 Sample : PN117492BL
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 12:08:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 06:15:02 2019
 Response via : Initial Calibration

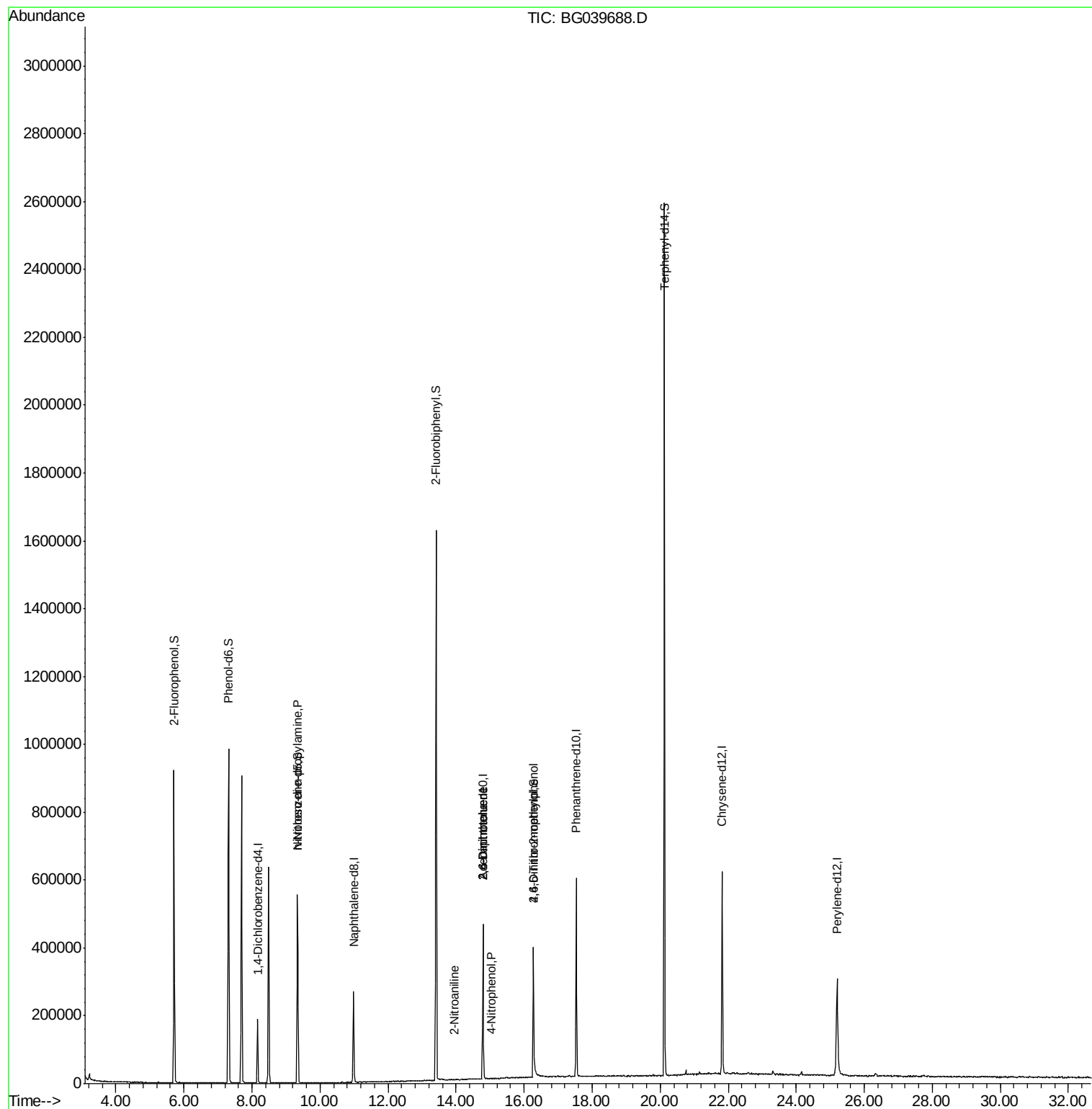
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	50872	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	236684	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	164177	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	370408	20.00	ng	0.00
76) Chrysene-d12	21.82	240	379626	20.00	ng	0.00
87) Perylene-d12	25.20	264	360799	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	394482	132.72	ng	0.00
7) Phenol-d6	7.31	99	572231	130.79	ng	0.00
23) Nitrobenzene-d5	9.34	82	332139	87.67	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	81122	45.89	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	861505	75.28	ng	0.00
79) Terphenyl-d14	20.12	244	1243150	69.31	ng	0.00
Target Compounds						
9) Benzaldehyde	7.31	77	1029	Below Cal	Qvalue	# 4
19) n-Nitroso-di-n-propylamine	9.34	70	43647	14.055 ng	#	65
48) 2-Nitroaniline	13.97	65	56	8.312 ng	#	10
51) 2,6-Dinitrotoluene	14.79	165	21443	14.029 ng	#	25
56) 4-Nitrophenol	15.04	139	54	5.815 ng	#	1
57) 2,4-Dinitrotoluene	14.79	165	21443	13.479 ng	#	20
65) 4,6-Dinitro-2-methylphenol	16.28	198	163	4.312 ng	#	39

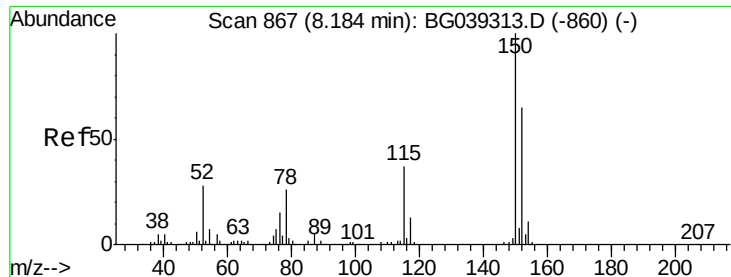
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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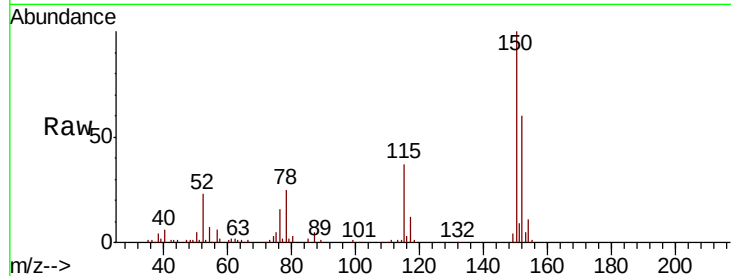


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.16 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: BG039688.D
 Acq: 1 Mar 2019 10:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	152	Resp	50872
Ion Ratio	Lower	Upper	
152	100		
150	167.3	123.7	185.5
115	61.2	45.9	68.9

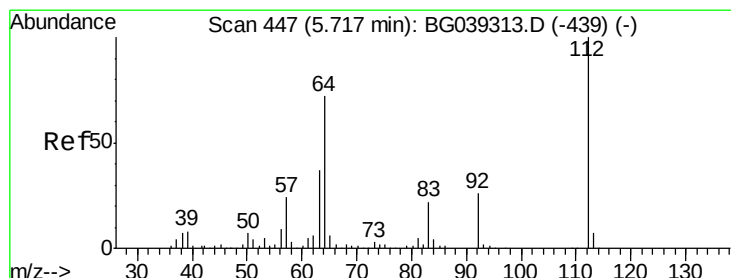
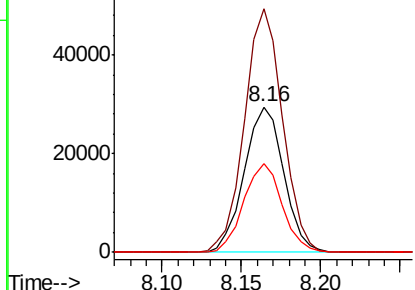
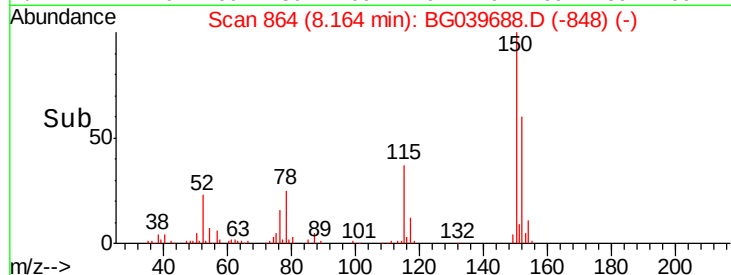


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

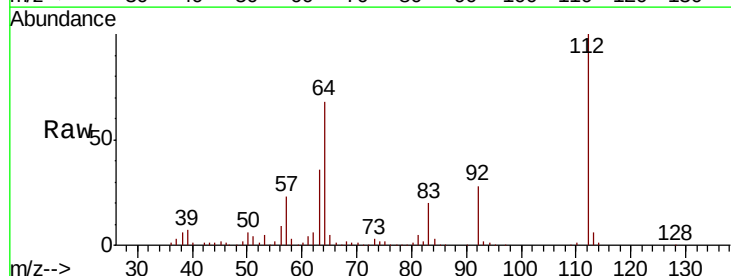
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 132.717 ng
 RT: 5.71 min Scan# 446
 Delta R.T. -0.00 min
 Lab File: BG039688.D
 Acq: 1 Mar 2019 10:46

Tgt Ion	112	Resp	394482
Ion Ratio	Lower	Upper	
112	100		
64	67.9	57.8	86.8
63	36.0	29.8	44.6

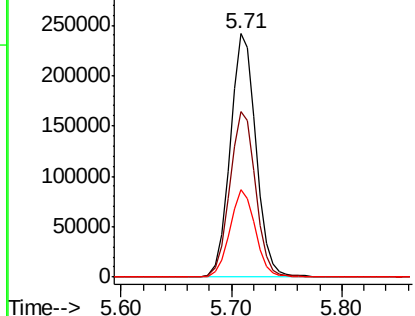
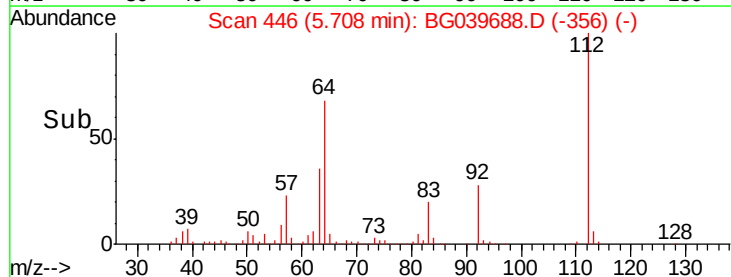


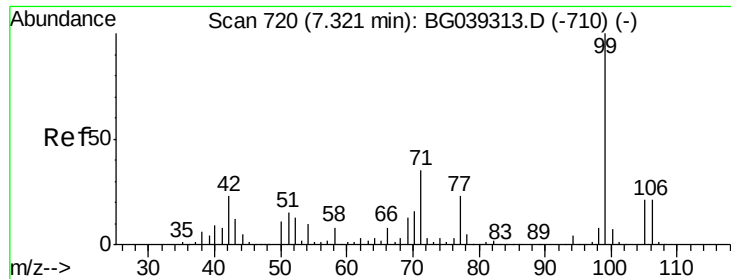
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 130.789 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.00 min

Lab File: BG039688.D

Acq: 1 Mar 2019 10:46

Instrument :

BNA_G

ClientSampled :

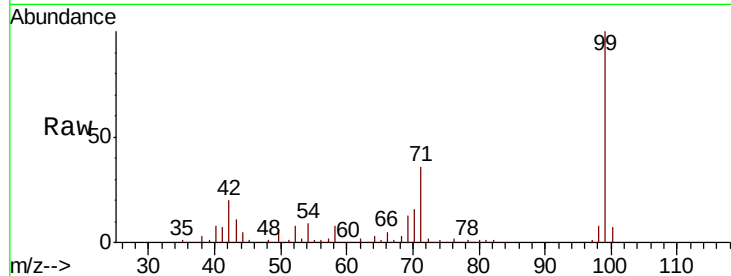
Tot Ion: 99 Resp: 572231

Ion Ratio Lower Upper

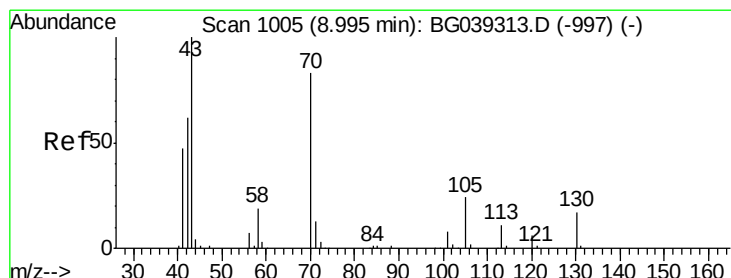
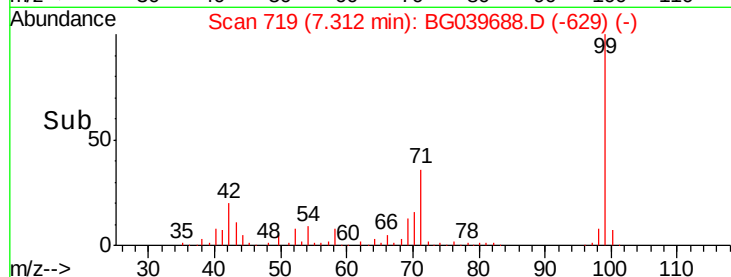
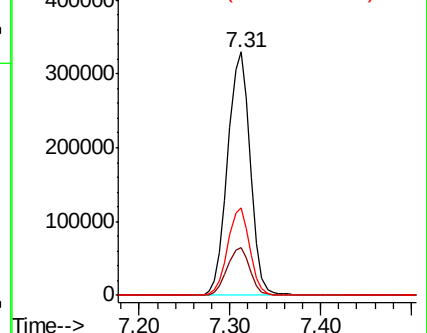
99 100

42 19.8 18.2 27.2

71 35.7 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: 14.055 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.37 min

Lab File: BG039688.D

Acq: 1 Mar 2019 10:46

Tgt Ion: 70 Resp: 43647

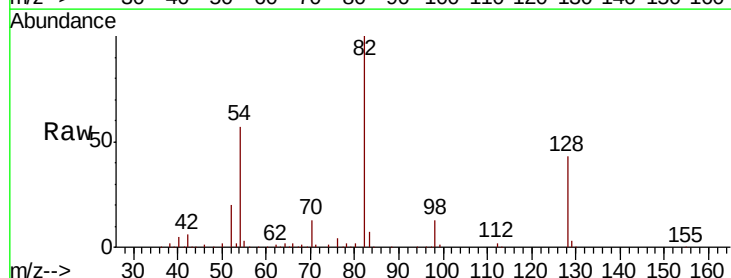
Ion Ratio Lower Upper

70 100

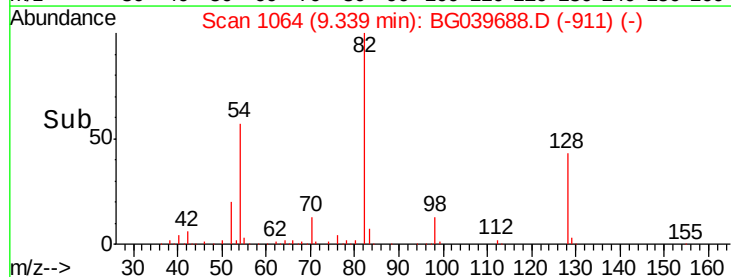
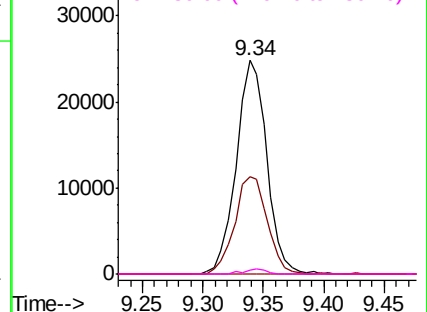
42 45.8 60.4 90.6#

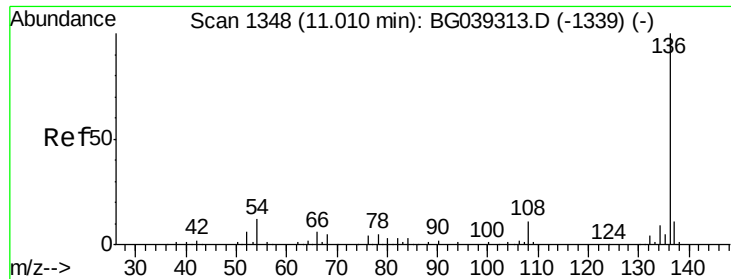
101 0.0 7.5 11.3#

130 1.8 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

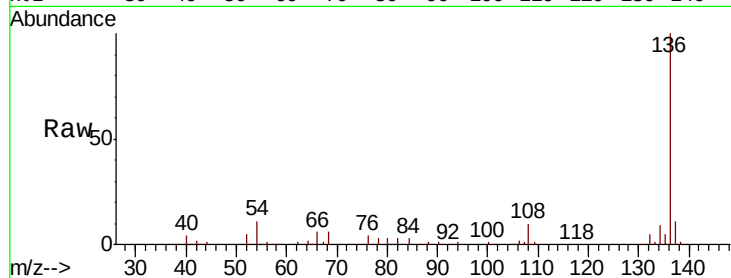




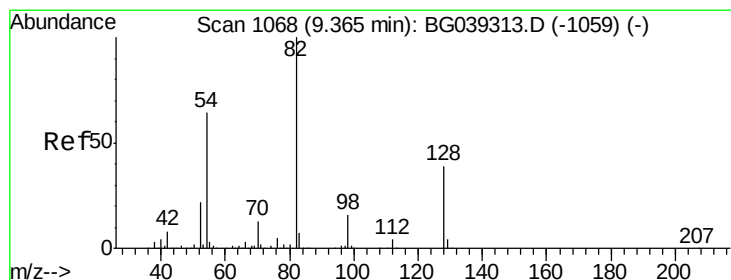
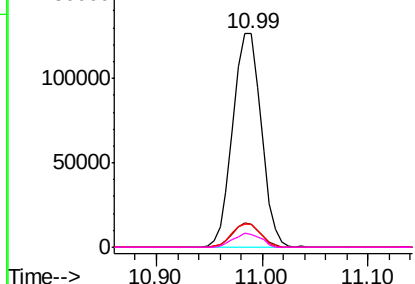
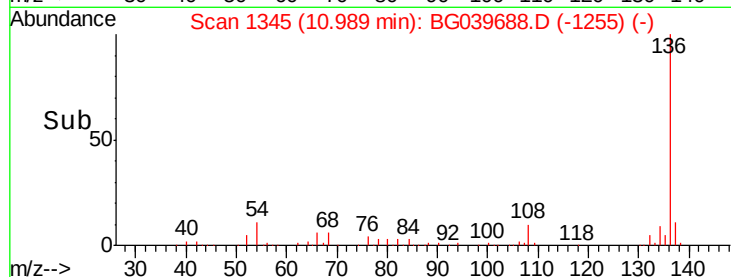
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BG039688.D
Acq: 1 Mar 2019 10:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	236684
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.1 13.7
54	10.9	9.4 14.2
68	5.7	4.2 6.4

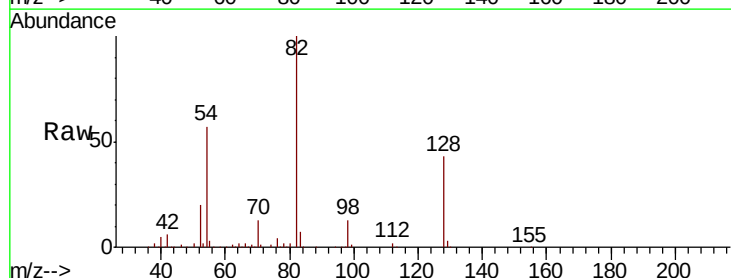


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

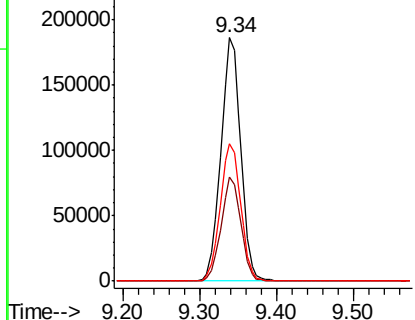
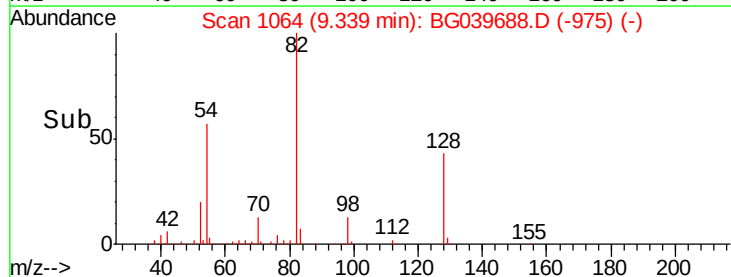


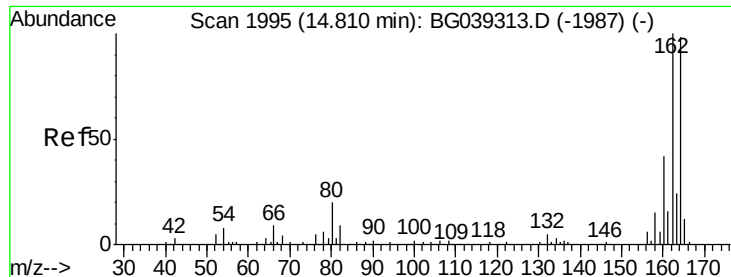
#23
Nitrobenzene-d5
Concen: 87.666 ng
RT: 9.34 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BG039688.D
Acq: 1 Mar 2019 10:46

Tgt Ion: 82	Resp:	332139
Ion Ratio	Lower	Upper
82	100	
128	42.7	31.3 46.9
54	56.6	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. -0.00 min

Lab File: BG039688.D

Acq: 1 Mar 2019 10:46

Instrument :

BNA_G

ClientSampleId :

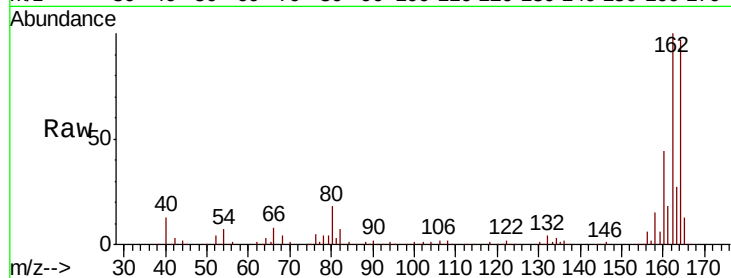
Tot Ion:164 Resp: 164177

Ion Ratio Lower Upper

164 100

162 103.0 81.6 122.4

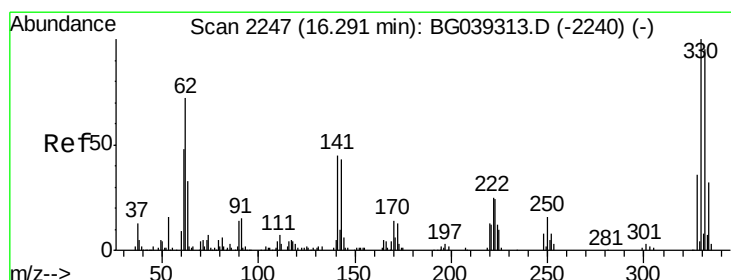
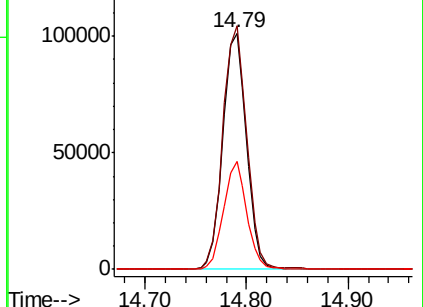
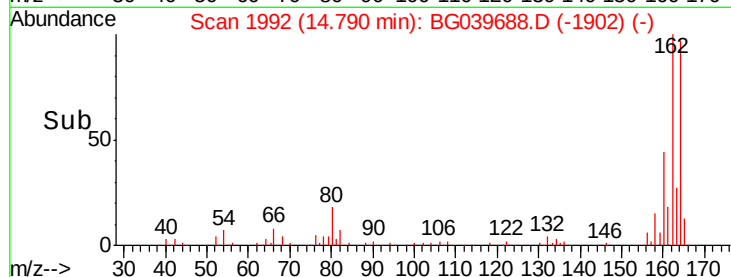
160 45.5 34.2 51.2



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: 45.886 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.00 min

Lab File: BG039688.D

Acq: 1 Mar 2019 10:46

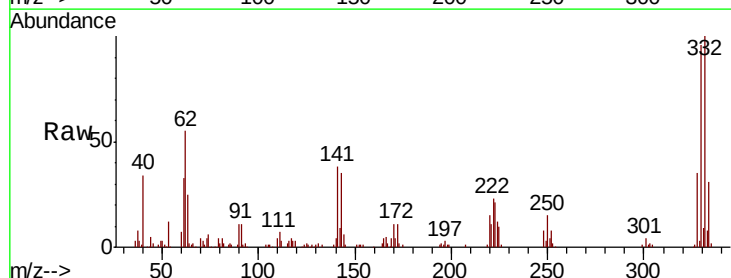
Tgt Ion:330 Resp: 81122

Ion Ratio Lower Upper

330 100

332 101.2 75.7 113.5

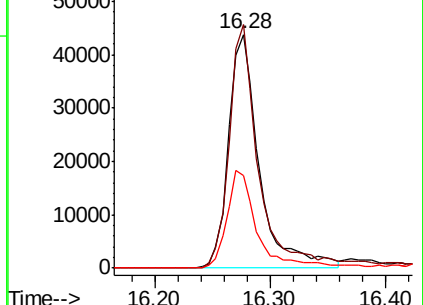
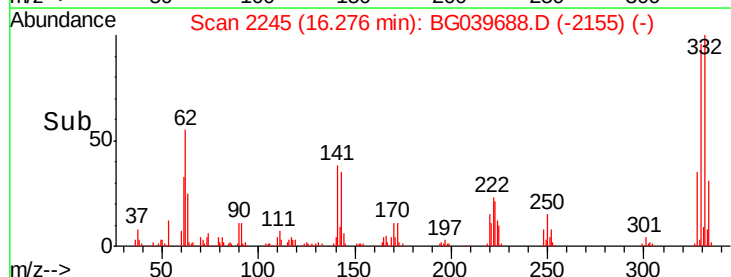
141 40.8 35.6 53.4

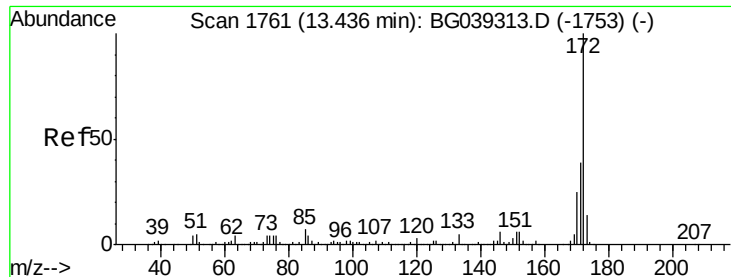


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

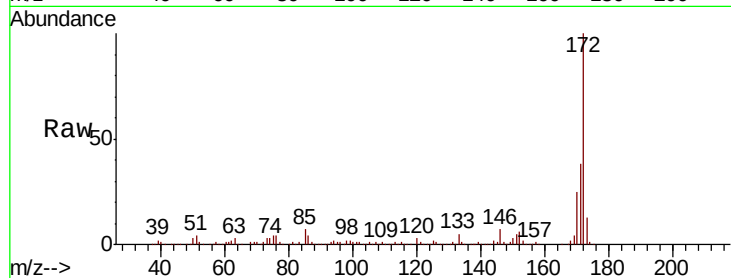




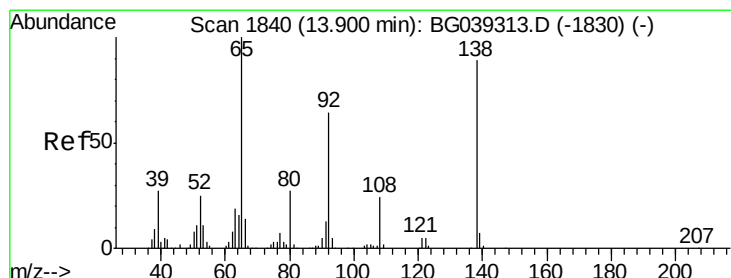
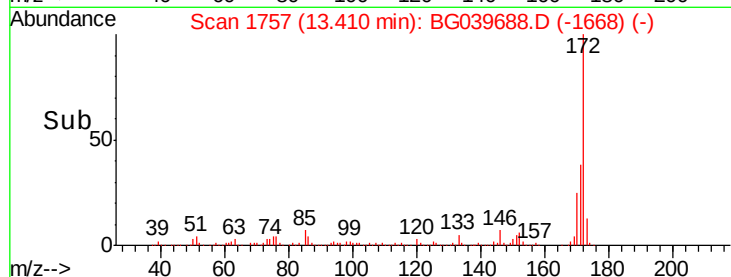
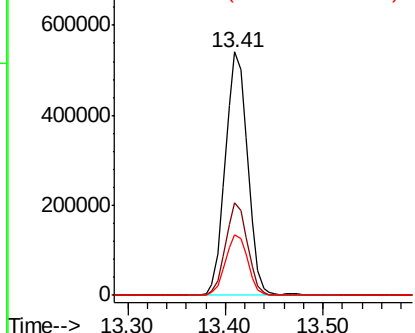
#45
 2-Fluorobiphenyl
 Concen: 75.277 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: BG039688.D
 Acq: 1 Mar 2019 10:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 861505
 Ion Ratio Lower Upper
 172 100
 171 37.9 30.8 46.2
 170 25.1 20.2 30.4

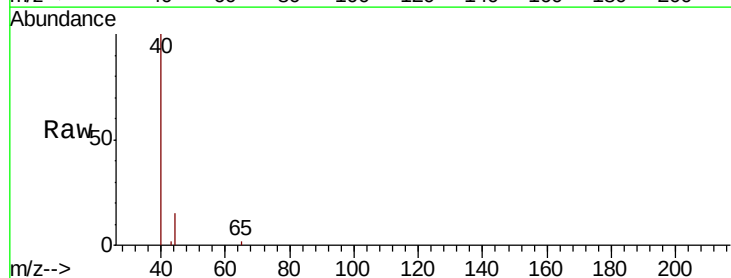


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

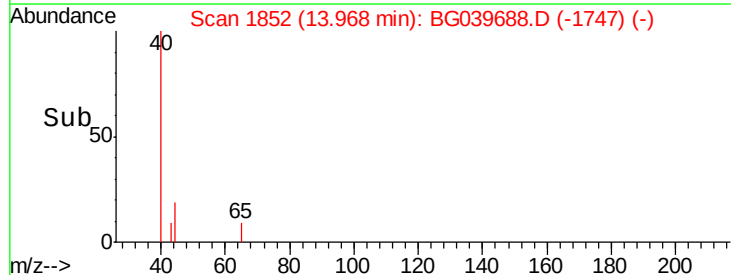
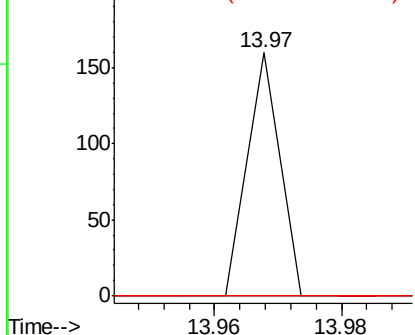


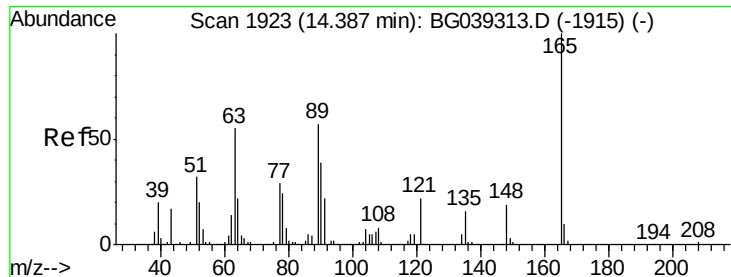
#48
 2-Nitroaniline
 Concen: 8.312 ng
 RT: 13.97 min Scan# 1852
 Delta R.T. 0.09 min
 Lab File: BG039688.D
 Acq: 1 Mar 2019 10:46

Tgt Ion: 65 Resp: 56
 Ion Ratio Lower Upper
 65 100
 92 0.0 51.4 77.2#
 138 0.0 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: 14.029 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.42 min

Lab File: BG039688.D

Acq: 1 Mar 2019 10:46

Instrument :

BNA_G

ClientSampleId :

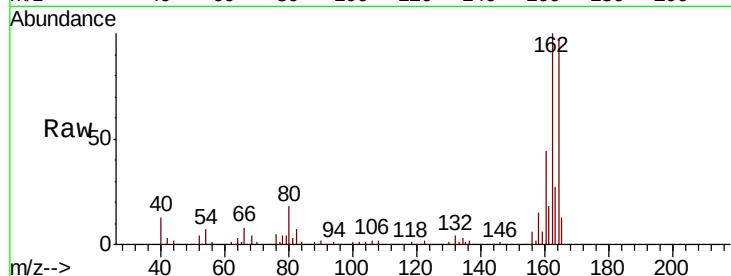
Tot Ion:165 Resp: 21443

Ion Ratio Lower Upper

165 100

63 1.7 47.0 70.6#

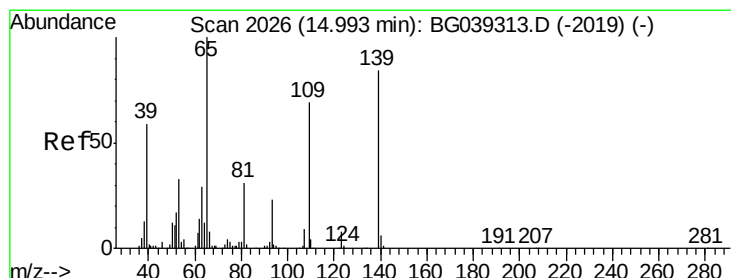
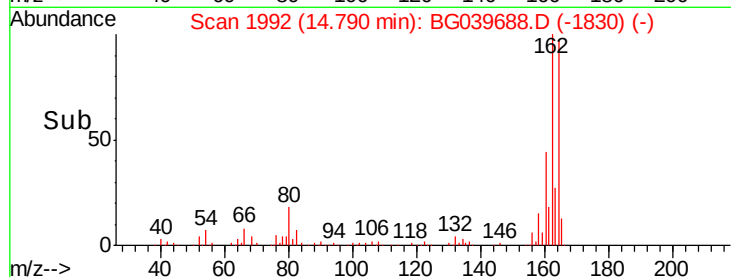
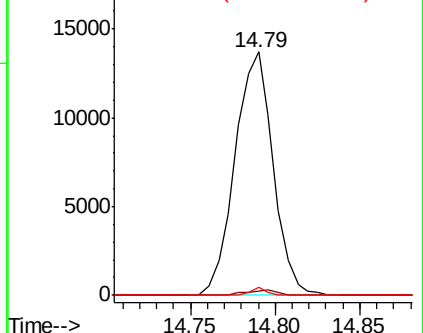
89 3.2 45.8 68.8#



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: 5.815 ng

RT: 15.04 min Scan# 2034

Delta R.T. 0.05 min

Lab File: BG039688.D

Acq: 1 Mar 2019 10:46

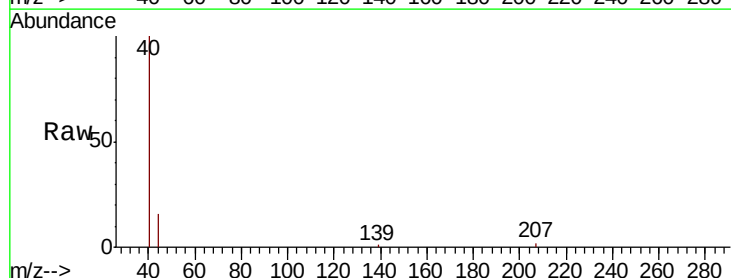
Tgt Ion:139 Resp: 54

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

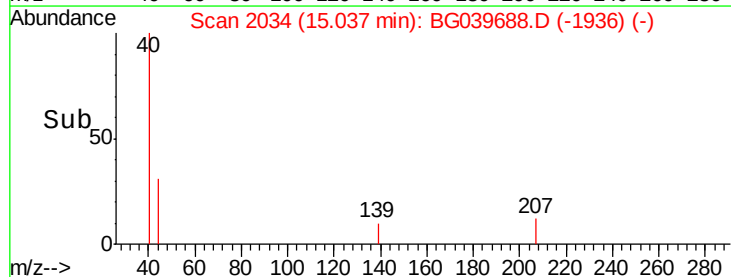
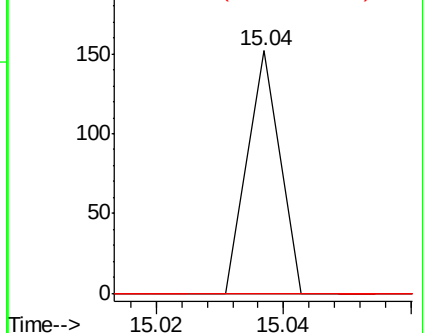
65 0.0 99.1 139.1#

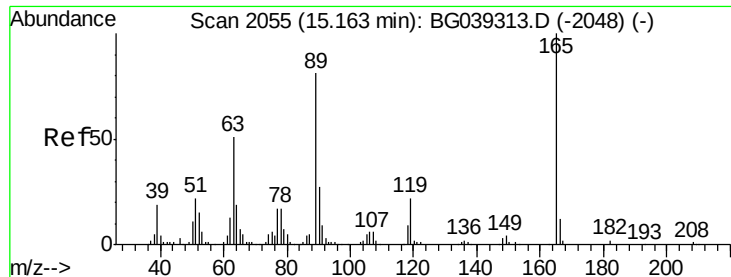


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

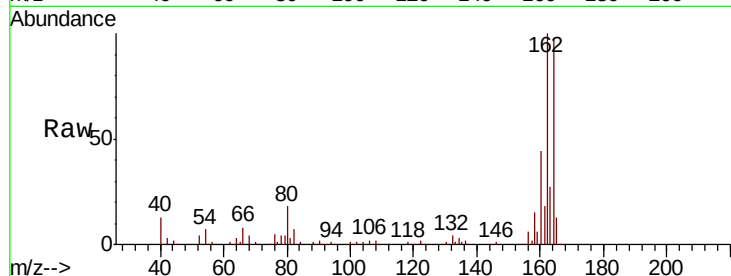




#57
 2,4-Dinitrotoluene
 Concen: 13.479 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.36 min
 Lab File: BG039688.D
 Acq: 1 Mar 2019 10:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	41.0	61.6#
89	3.2	64.6	96.8#
182	0.0	2.0	3.0#



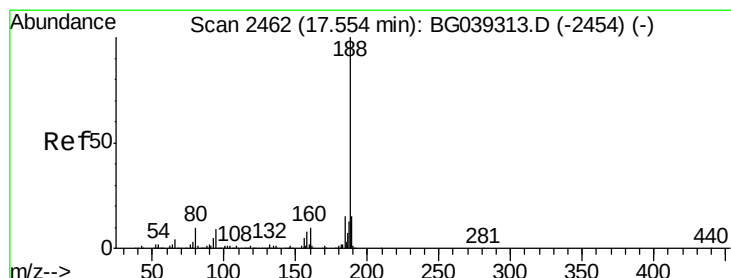
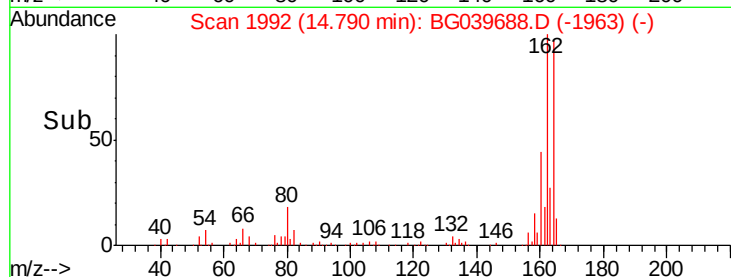
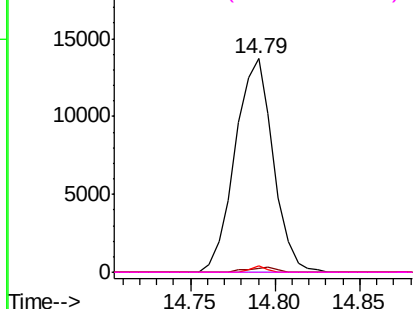
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

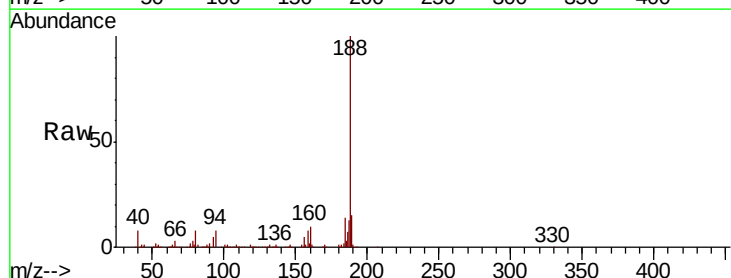
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.53 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: BG039688.D
 Acq: 1 Mar 2019 10:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.9	10.3
80	8.3	8.1	12.1

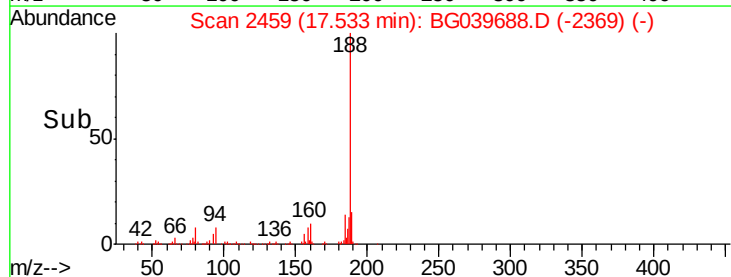
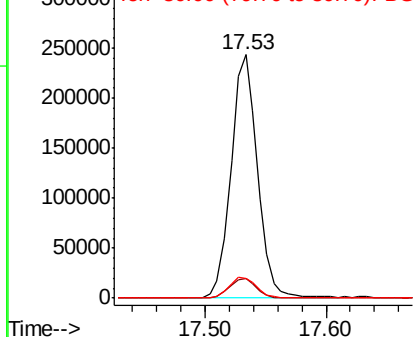


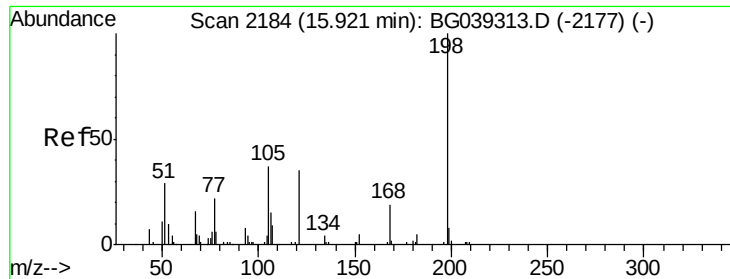
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

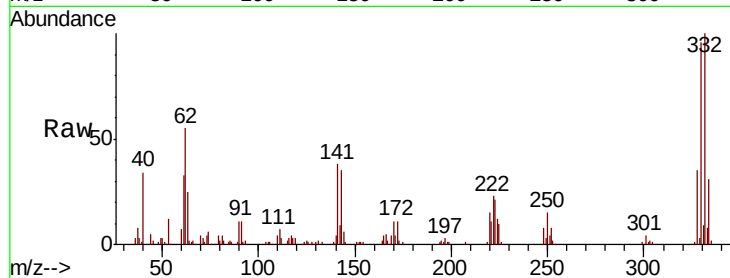




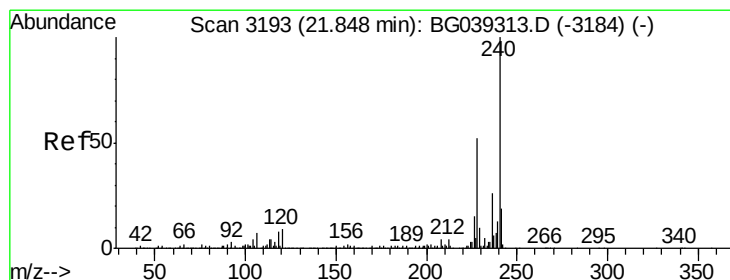
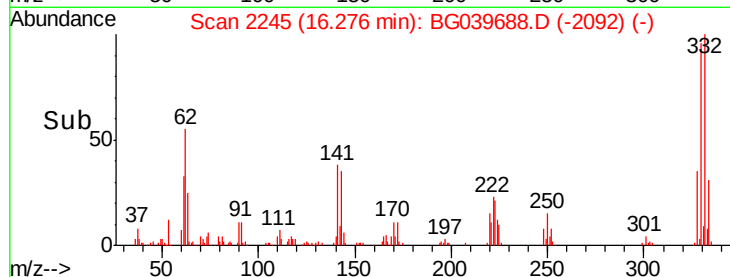
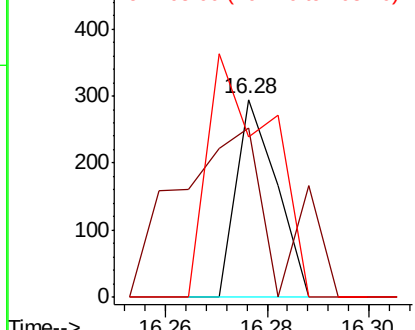
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.312 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. 0.37 min
 Lab File: BG039688.D
 Acq: 1 Mar 2019 10:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 163
 Ion Ratio Lower Upper
 198 100
 51 85.4 27.4 67.4#
 105 81.0 19.7 59.7#

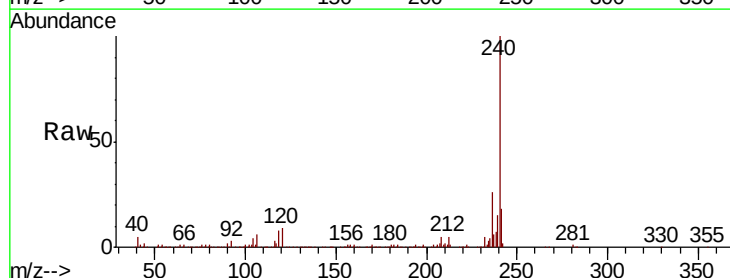


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

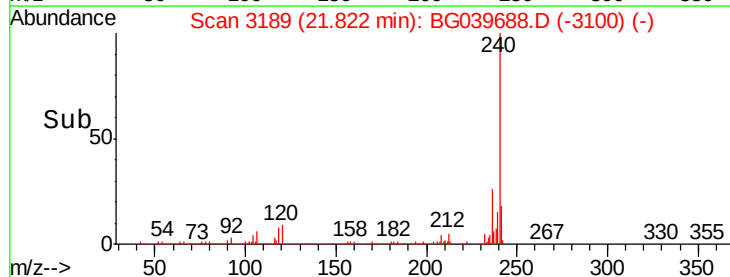
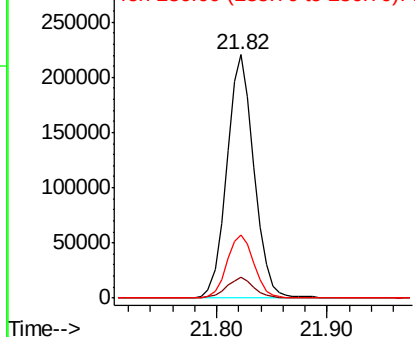


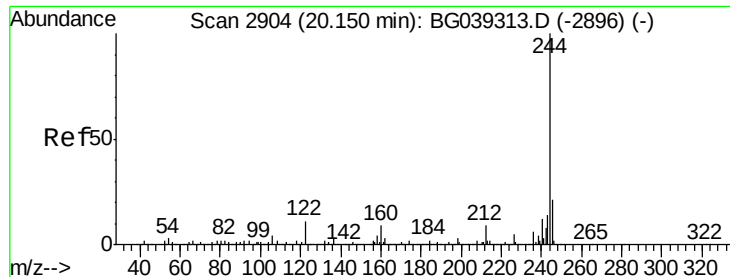
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.01 min
 Lab File: BG039688.D
 Acq: 1 Mar 2019 10:46

Tgt Ion:240 Resp: 379626
 Ion Ratio Lower Upper
 240 100
 120 8.7 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

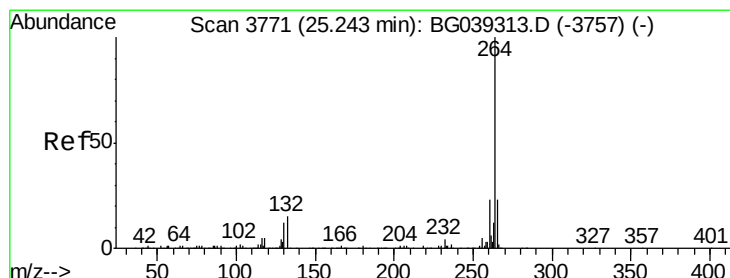
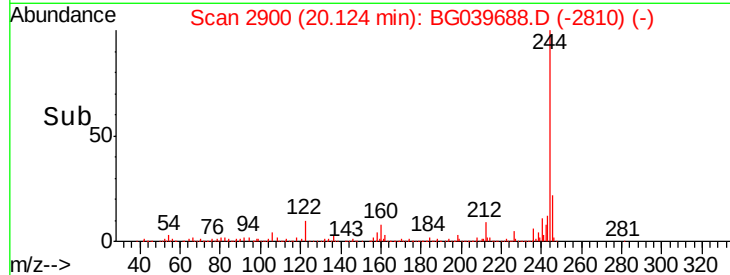
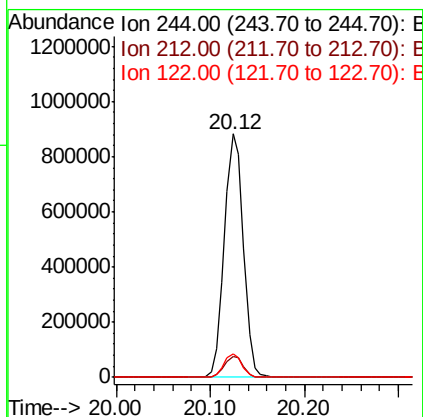
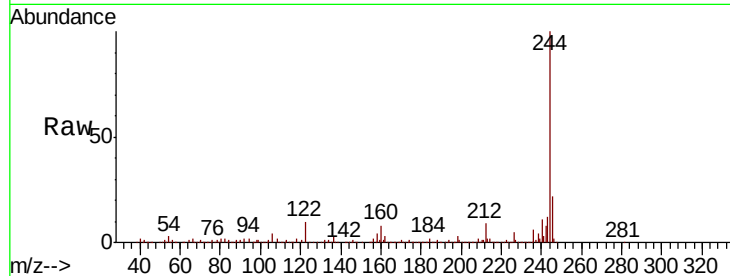




#79
 Terphenyl-d14
 Concen: 69.315 ng
 RT: 20.12 min Scan# 2900
 Delta R.T. -0.00 min
 Lab File: BG039688.D
 Acq: 1 Mar 2019 10:46

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1243150
 Ion Ratio Lower Upper
 244 100
 212 8.8 7.3 10.9
 122 9.8 8.4 12.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.20 min Scan# 3764
 Delta R.T. -0.00 min
 Lab File: BG039688.D
 Acq: 1 Mar 2019 10:46

Tgt Ion:264 Resp: 360799
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.2 27.4
 265 21.5 18.5 27.7

