

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022819\
 Data File : BG039670.D
 Acq On : 28 Feb 2019 21:35
 Operator : JU/SJ
 Sample : K1628-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 06:05:52 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	8.16	152	57434	20.00	ng	-0.02
21) Naphthalene-d8	10.98	136	251728	20.00	ng	-0.03
39) Acenaphthene-d10	14.79	164	169869	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	407208	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	406408	20.00	ng	-0.03
87) Perylene-d12	25.19	264	411115	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	416103	124.00	ng	0.00
7) Phenol-d6	7.31	99	724803	146.73	ng	0.00
23) Nitrobenzene-d5	9.34	82	436570	108.34	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	212085	115.94	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	948965	80.14	ng	-0.02
79) Terphenyl-d14	20.12	244	1367440	71.22	ng	-0.03

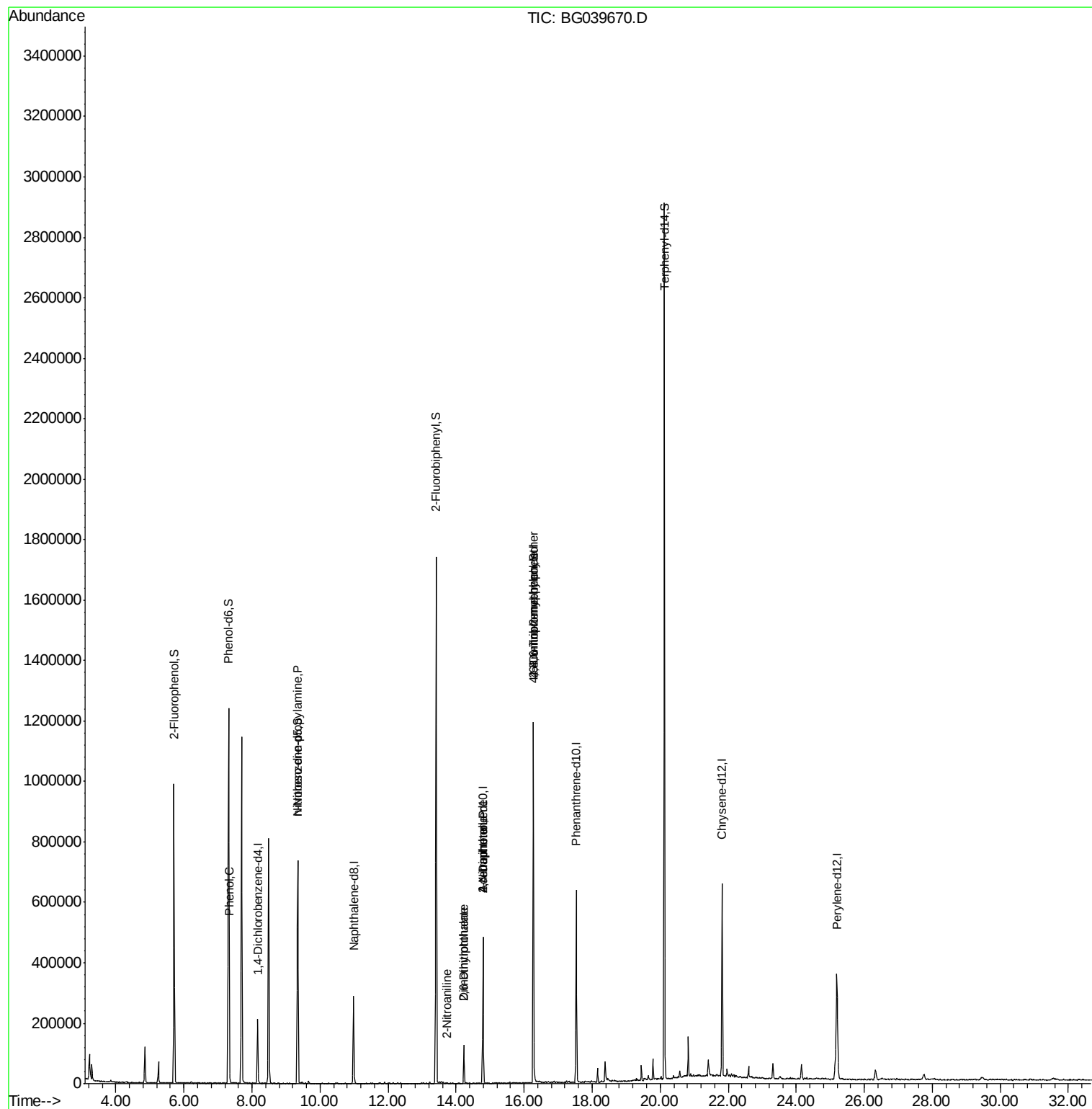
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	1288	Below Cal		# 15
10) Phenol	7.34	94	12675	2.462	ng	# 81
19) n-Nitroso-di-n-propylamine	9.34	70	56759	16.189	ng	# 68
48) 2-Nitroaniline	13.72	65	59	8.312	ng	# 10
50) Dimethylphthalate	14.23	163	89577	6.529	ng	# 98
51) 2,6-Dinitrotoluene	14.23	165	983	6.890	ng	# 35
56) 4-Nitrophenol	14.80	139	54	5.814	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	22537	13.568	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.28	198	762	4.775	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	17054	3.775	ng	# 1

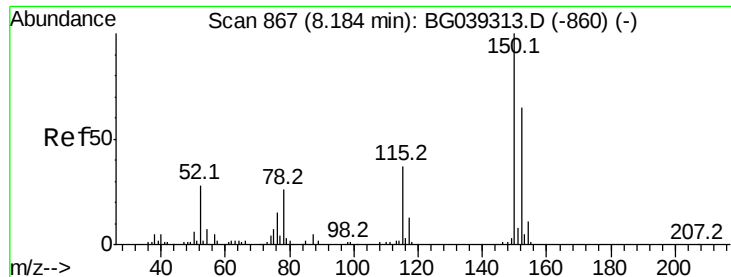
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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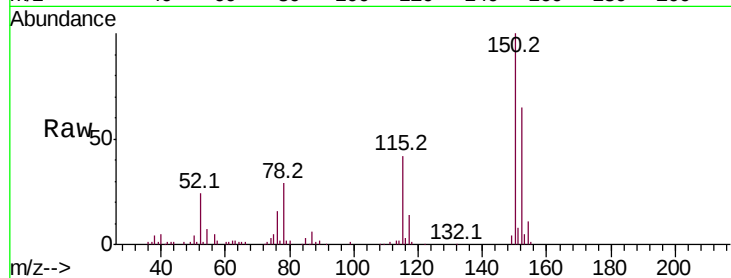


#1

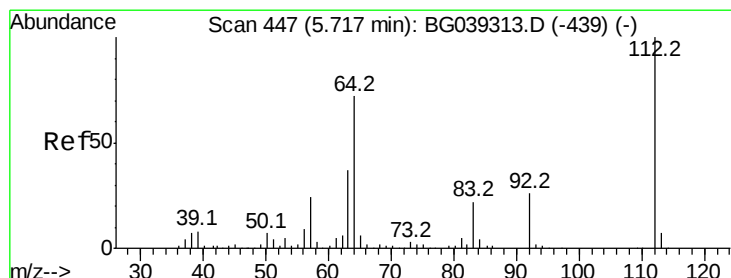
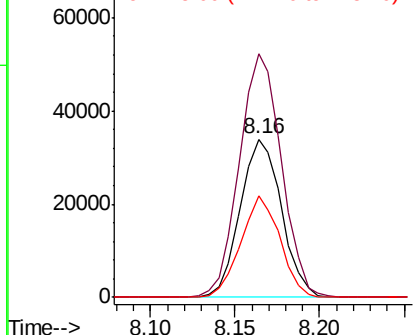
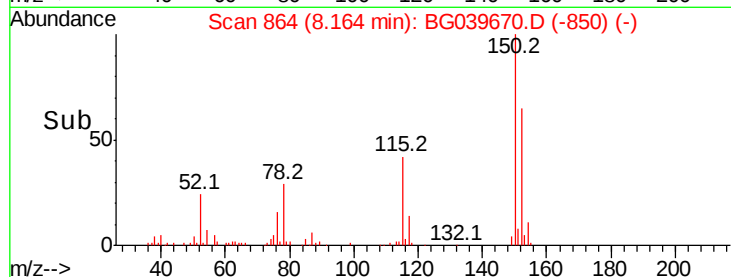
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039670.D
Acq: 28 Feb 2019 21:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 57434
Ion Ratio Lower Upper
152 100
150 154.1 123.7 185.5
115 64.3 45.9 68.9



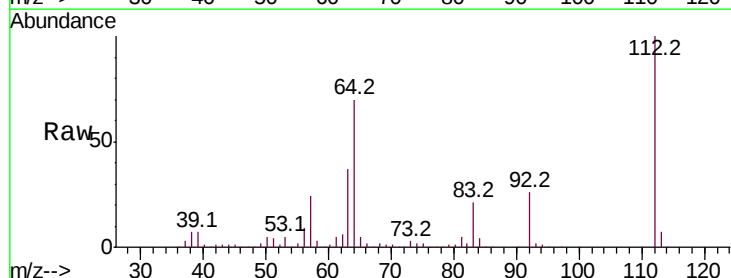
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



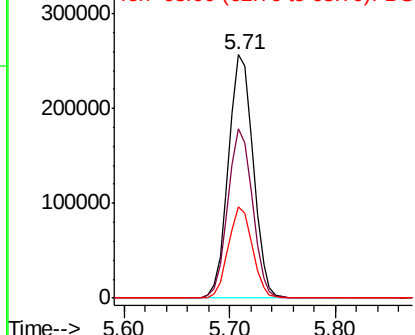
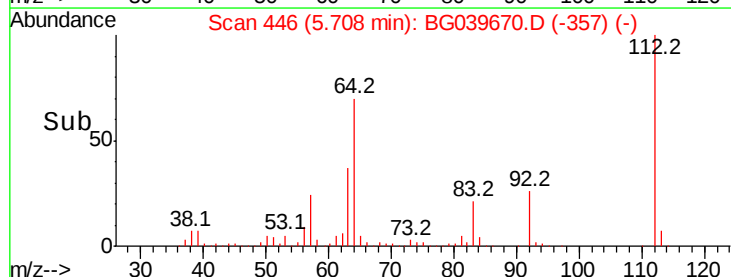
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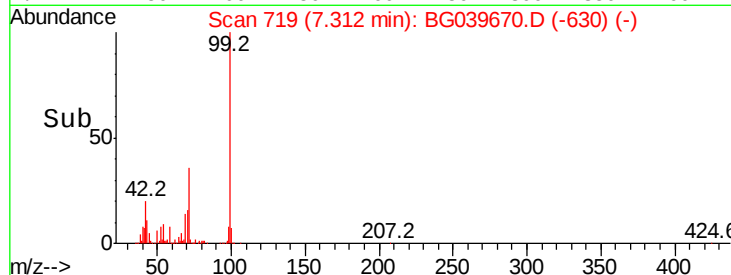
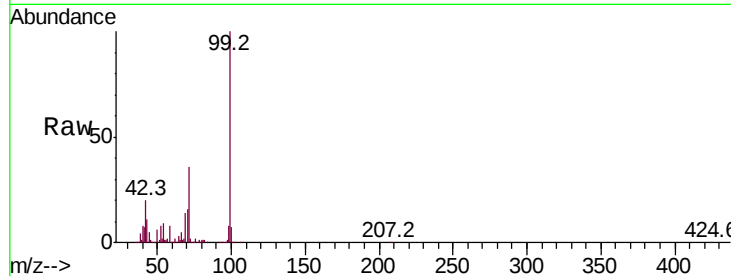
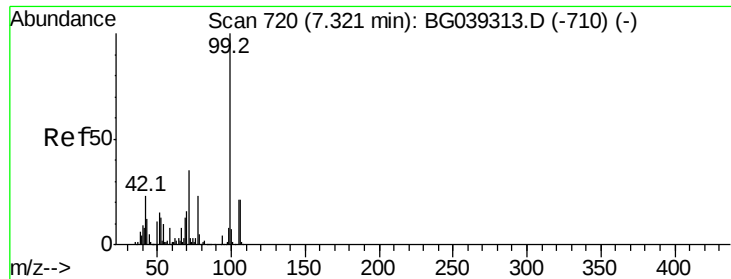
2-Fluorophenol
Concen: 123.997 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039670.D
Acq: 28 Feb 2019 21:35

Tgt Ion:112 Resp: 416103
Ion Ratio Lower Upper
112 100
64 69.6 57.8 86.8
63 37.4 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: 146.734 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039670.D

Acq: 28 Feb 2019 21:35

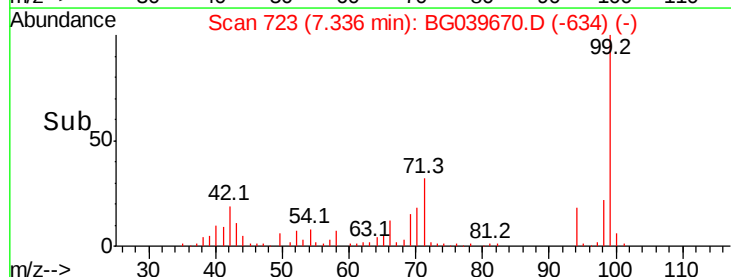
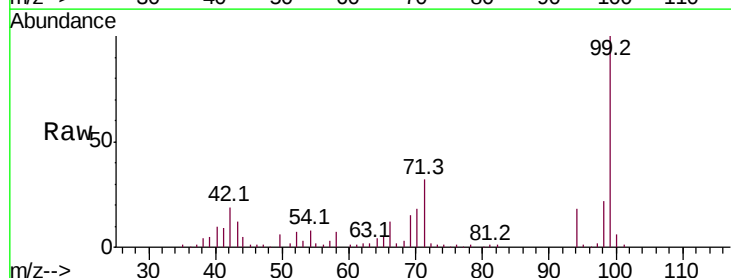
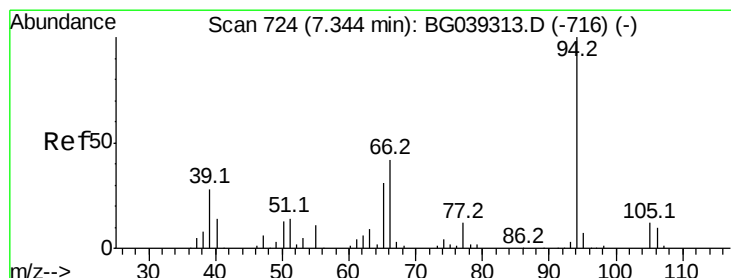
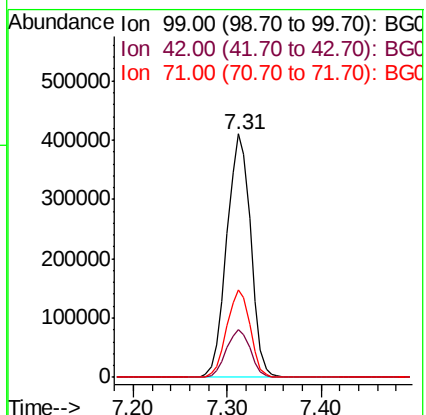
Tot Ion: 99 Resp: 724803

Ion Ratio Lower Upper

99 100

42 19.8 18.2 27.2

71 36.1 28.0 42.0



#10

Phenol

Concen: 2.462 ng

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BG039670.D

Acq: 28 Feb 2019 21:35

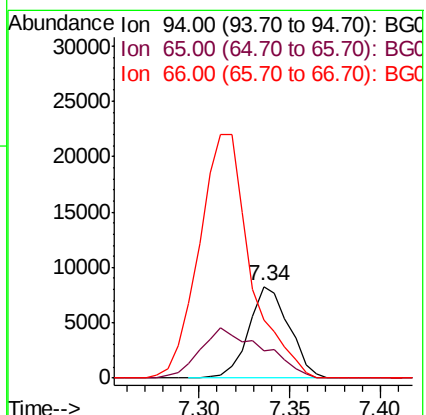
Tgt Ion: 94 Resp: 12675

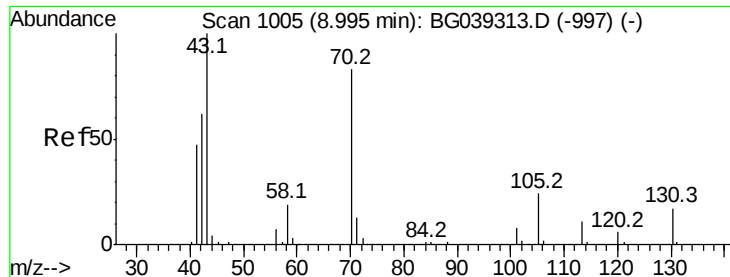
Ion Ratio Lower Upper

94 100

65 29.7 11.7 51.7

66 63.6 23.7 63.7





#19

n-Nitroso-di-n-propylamine

Concen: 16.189 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039670.D

Acq: 28 Feb 2019 21:35

Instrument :

BNA_G

ClientSampled :

Tot Ion: 70 Resp: 56759

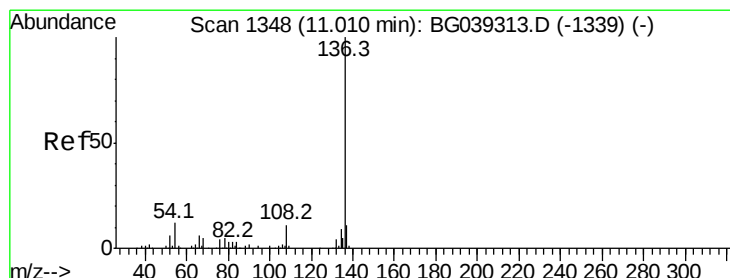
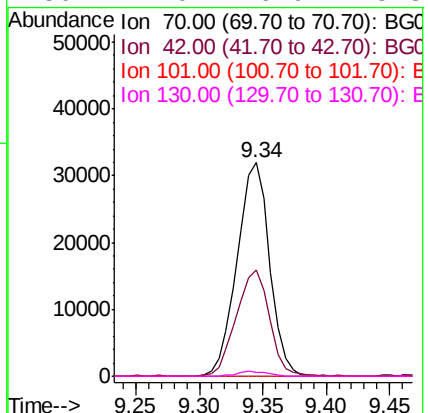
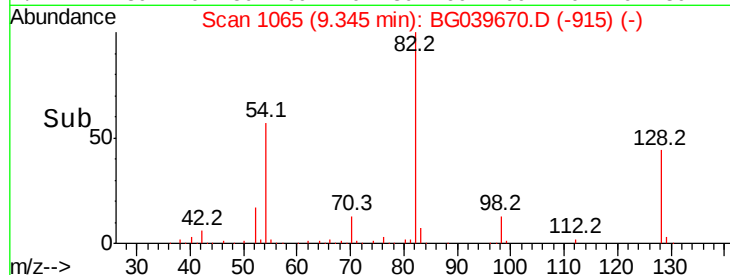
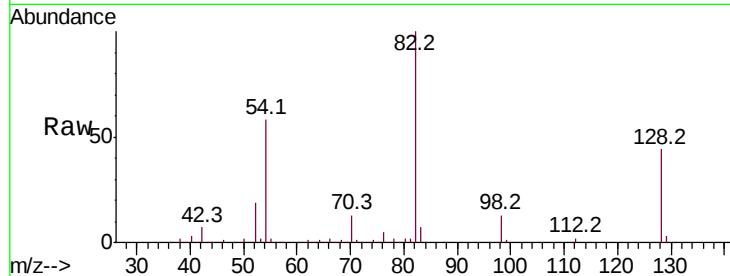
Ion Ratio Lower Upper

70 100

42 49.5 60.4 90.6#

101 0.0 7.5 11.3#

130 2.0 16.9 25.3#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.98 min Scan# 1344

Delta R.T. -0.03 min

Lab File: BG039670.D

Acq: 28 Feb 2019 21:35

Tgt Ion: 136 Resp: 251728

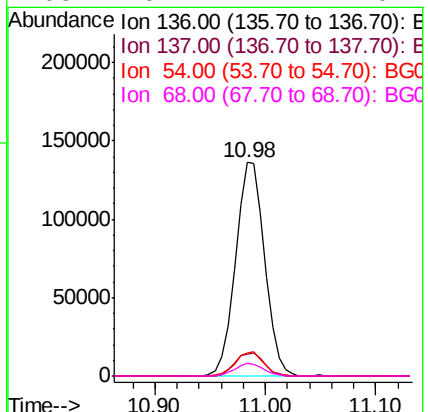
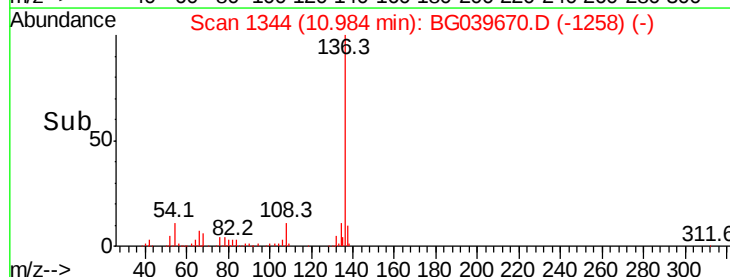
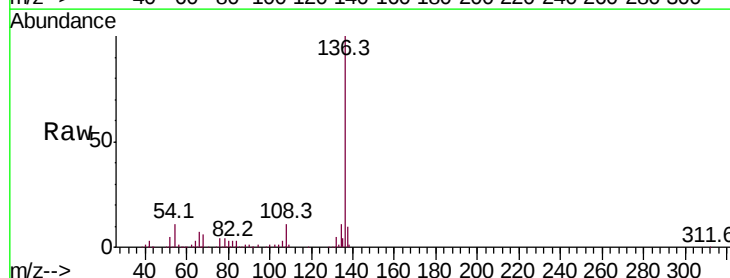
Ion Ratio Lower Upper

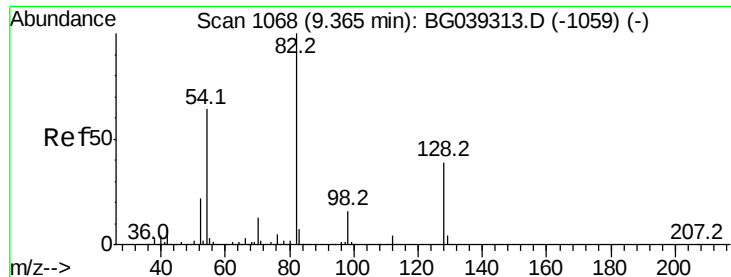
136 100

137 10.4 9.1 13.7

54 10.6 9.4 14.2

68 6.2 4.2 6.4





#23

Nitrobenzene-d5

Concen: 108.344 ng

RT: 9.34 min Scan# 1065

Delta R.T. -0.02 min

Lab File: BG039670.D

Acq: 28 Feb 2019 21:35

Instrument :

BNA_G

ClientSampleId :

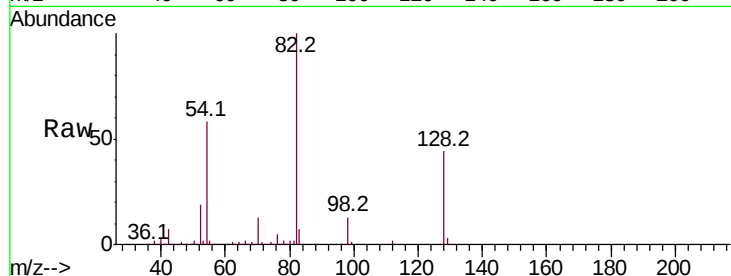
Tot Ion: 82 Resp: 436570

Ion Ratio Lower Upper

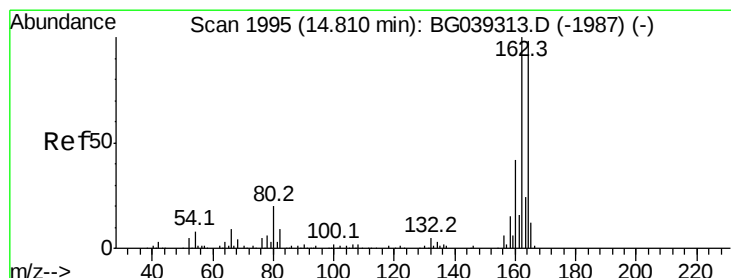
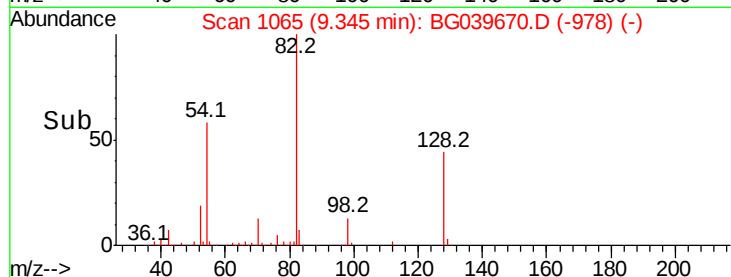
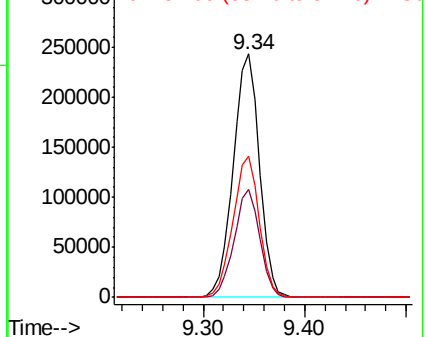
82 100

128 44.3 31.3 46.9

54 58.0 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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039670.D

Acq: 28 Feb 2019 21:35

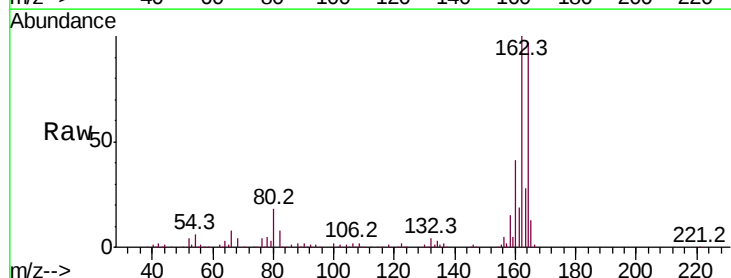
Tgt Ion: 164 Resp: 169869

Ion Ratio Lower Upper

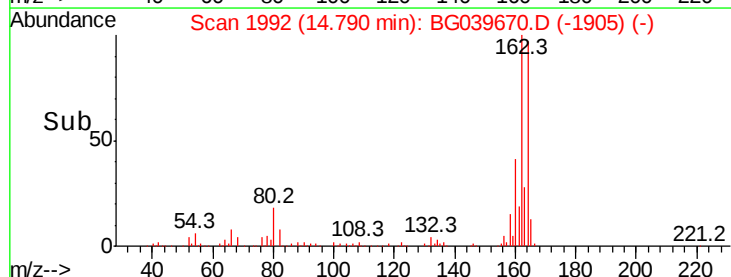
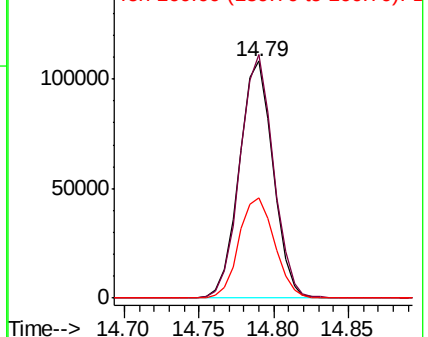
164 100

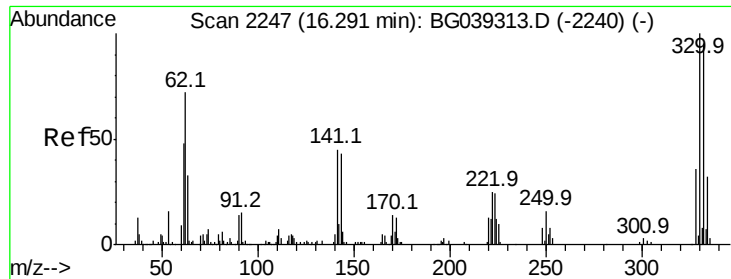
162 102.7 81.6 122.4

160 42.4 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

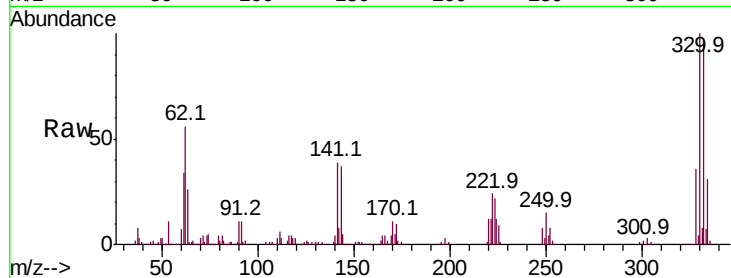




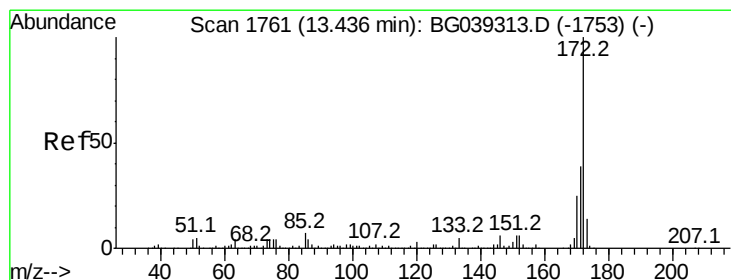
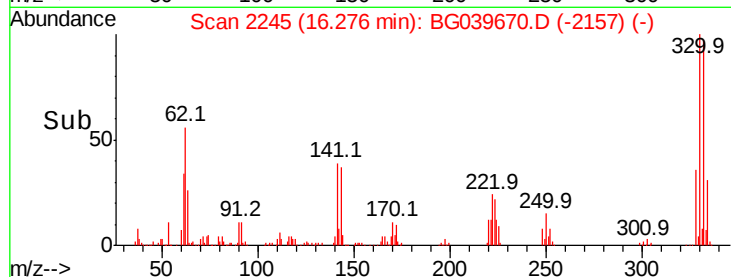
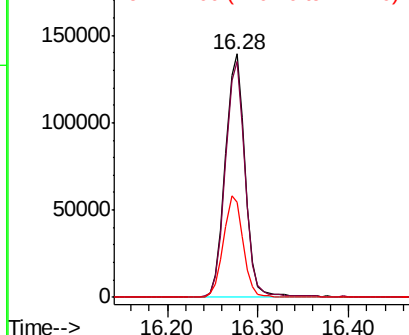
#42
 2,4,6-Tribromophenol
 Concen: 115.944 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.01 min
 Lab File: BG039670.D
 Acq: 28 Feb 2019 21:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 212085
 Ion Ratio Lower Upper
 330 100
 332 95.8 75.7 113.5
 141 41.1 35.6 53.4

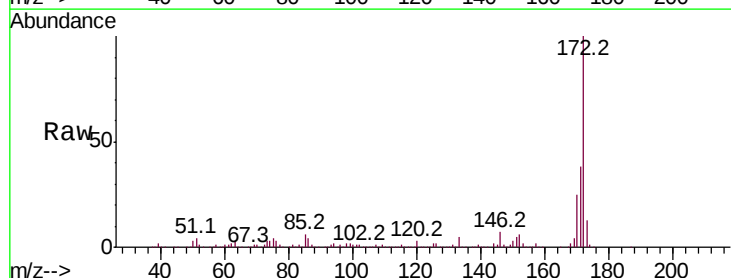


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

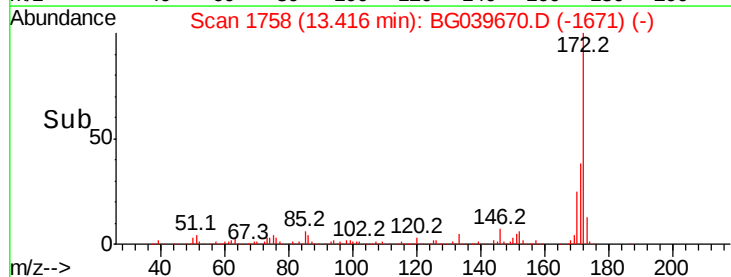
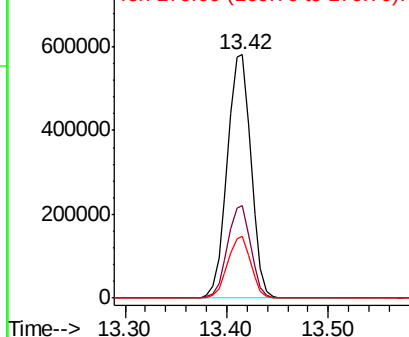


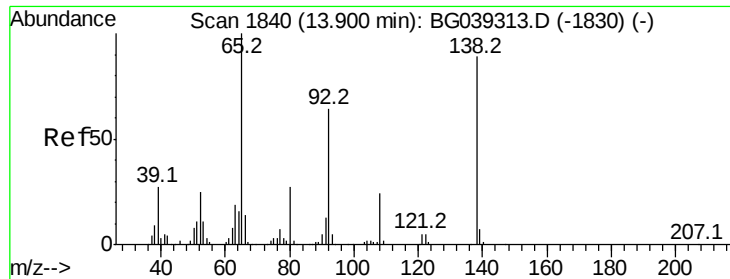
#45
 2-Fluorobiphenyl
 Concen: 80.140 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039670.D
 Acq: 28 Feb 2019 21:35

Tgt Ion:172 Resp: 948965
 Ion Ratio Lower Upper
 172 100
 171 37.9 30.8 46.2
 170 25.3 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

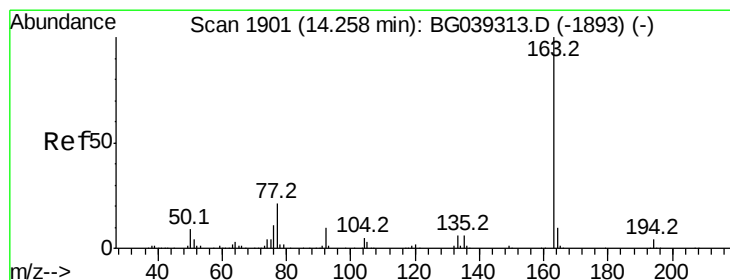
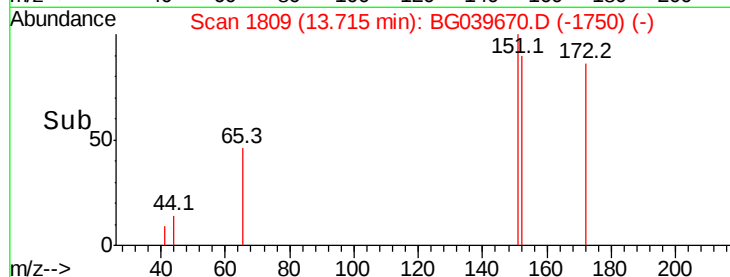
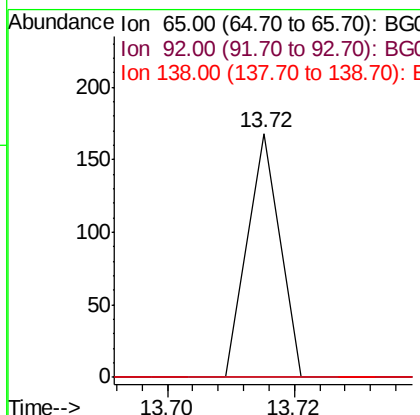
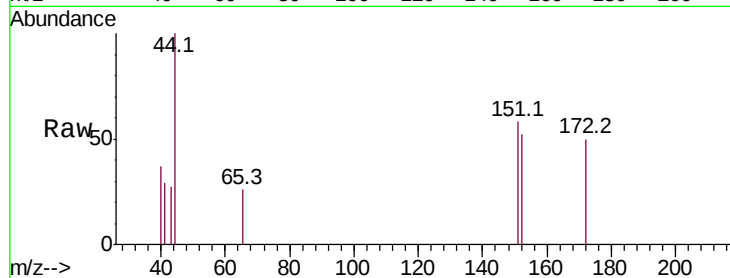




#48
2-Nitroaniline
Concen: 8.312 ng
RT: 13.72 min Scan# 1809
Delta R.T. -0.18 min
Lab File: BG039670.D
Acq: 28 Feb 2019 21:35

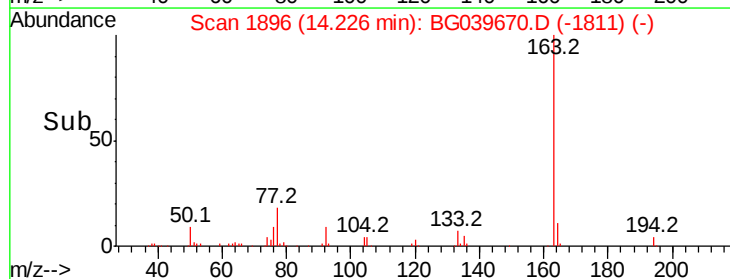
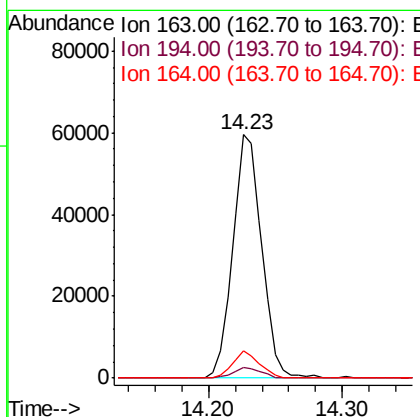
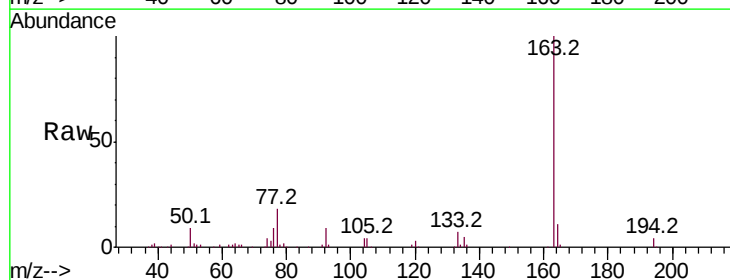
Instrument :
BNA_G
ClientSampleId :

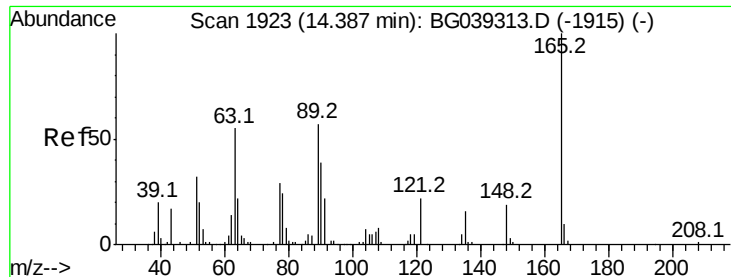
Tot Ion: 65 Resp: 59
Ion Ratio Lower Upper
65 100
92 0.0 51.4 77.2#
138 0.0 71.4 107.2#



#50
Dimethylphthalate
Concen: 6.529 ng
RT: 14.23 min Scan# 1896
Delta R.T. -0.03 min
Lab File: BG039670.D
Acq: 28 Feb 2019 21:35

Tgt Ion:163 Resp: 89577
Ion Ratio Lower Upper
163 100
194 4.2 3.6 5.4
164 11.2 8.4 12.6

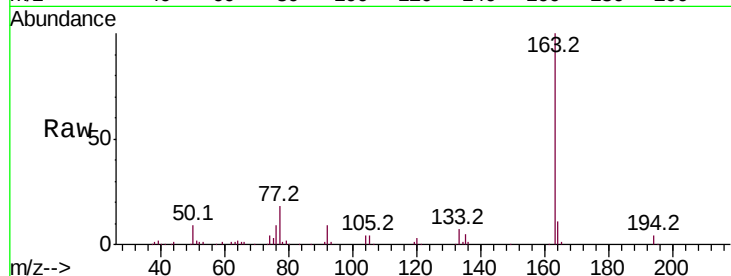




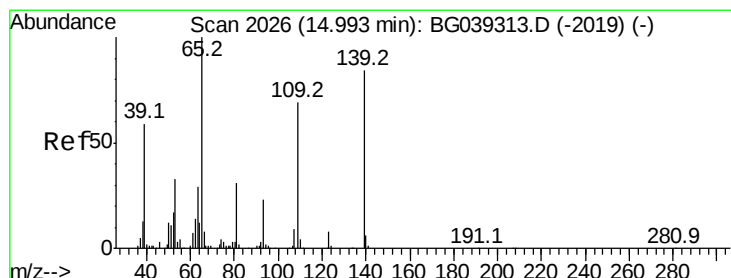
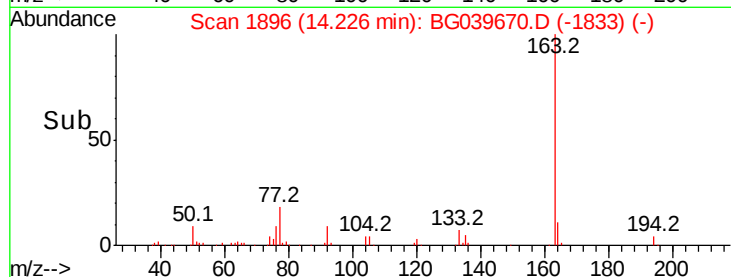
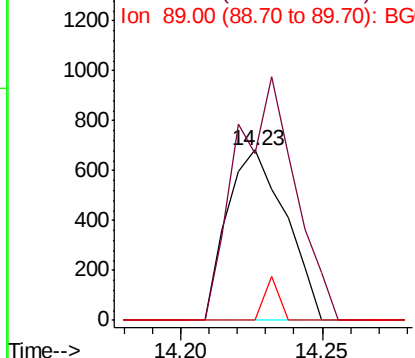
#51
 2,6-Dinitrotoluene
 Concen: 6.890 ng
 RT: 14.23 min Scan# 1896
 Delta R.T. -0.16 min
 Lab File: BG039670.D
 Acq: 28 Feb 2019 21:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 983
 Ion Ratio Lower Upper
 165 100
 63 97.9 47.0 70.6#
 89 0.0 45.8 68.8#

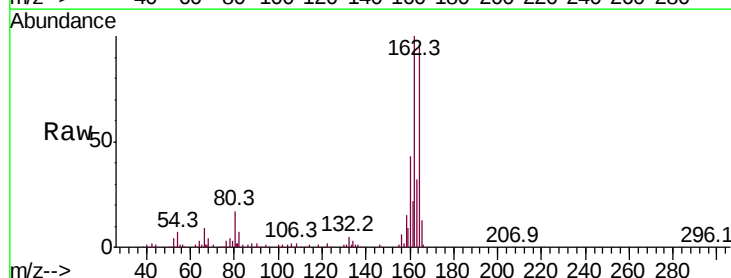


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

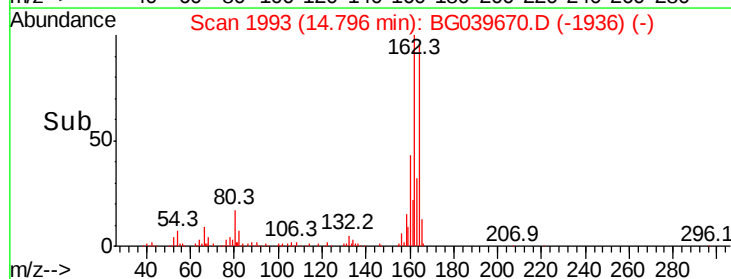
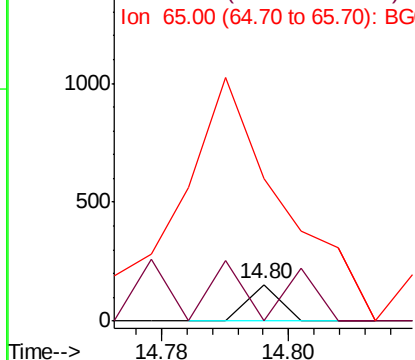


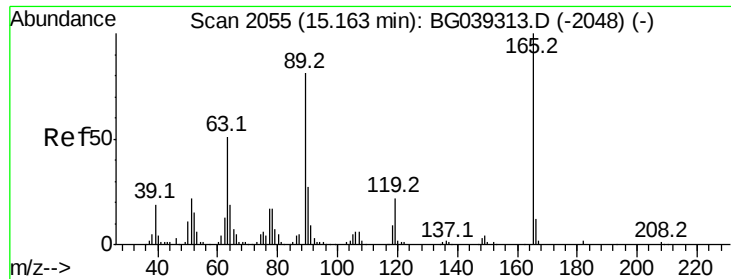
#56
 4-Nitrophenol
 Concen: 5.814 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. -0.20 min
 Lab File: BG039670.D
 Acq: 28 Feb 2019 21:35

Tgt Ion:139 Resp: 54
 Ion Ratio Lower Upper
 139 100
 109 0.0 61.9 101.9#
 65 389.6 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: 13.568 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039670.D

Acq: 28 Feb 2019 21:35

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 22537

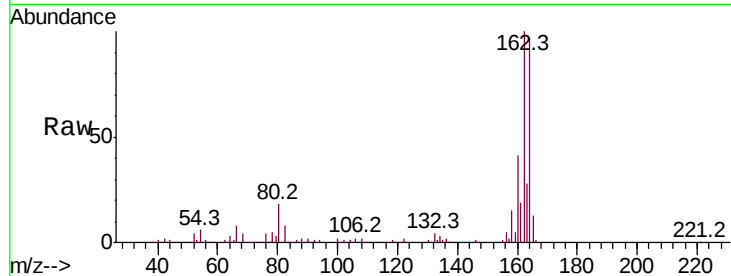
Ion Ratio Lower Upper

165 100

63 1.5 41.0 61.6#

89 1.5 64.6 96.8#

182 0.0 2.0 3.0#

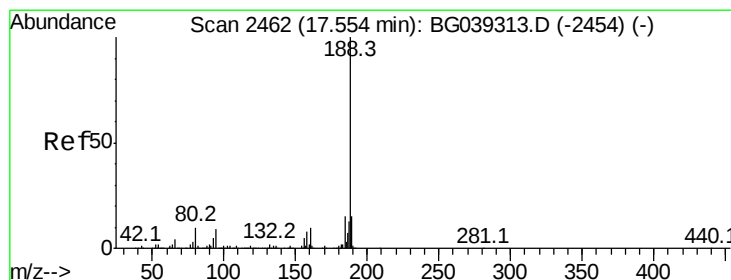
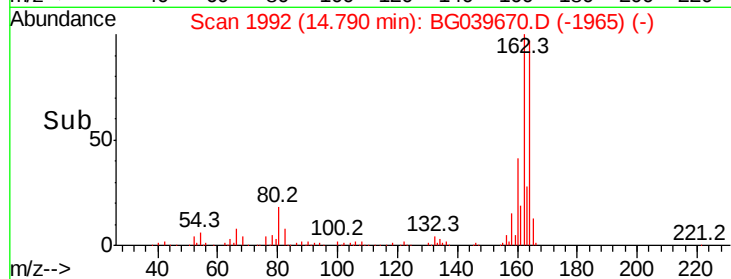
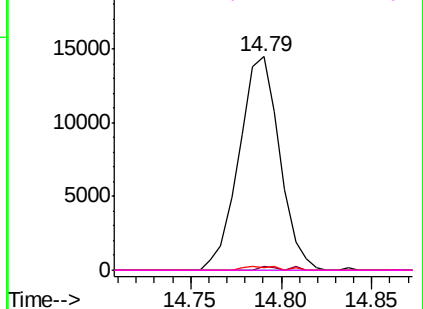


Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.02 min

Lab File: BG039670.D

Acq: 28 Feb 2019 21:35

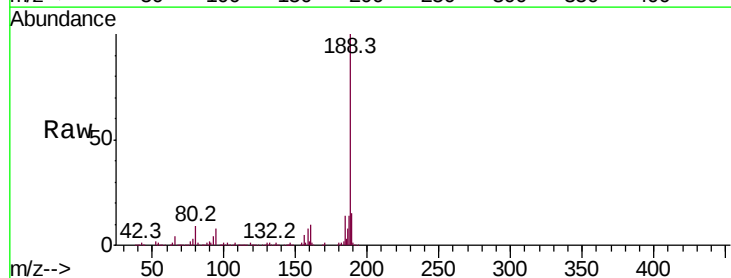
Tgt Ion:188 Resp: 407208

Ion Ratio Lower Upper

188 100

94 8.2 6.9 10.3

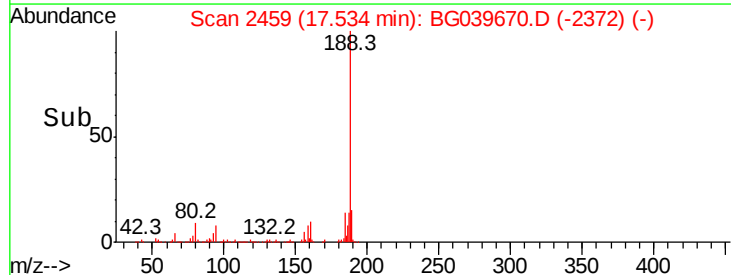
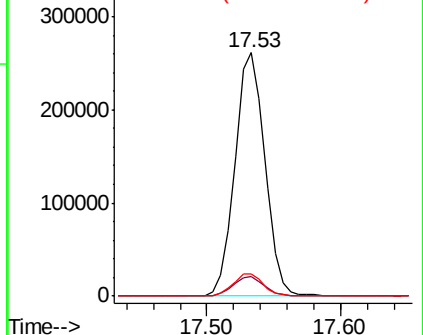
80 9.2 8.1 12.1

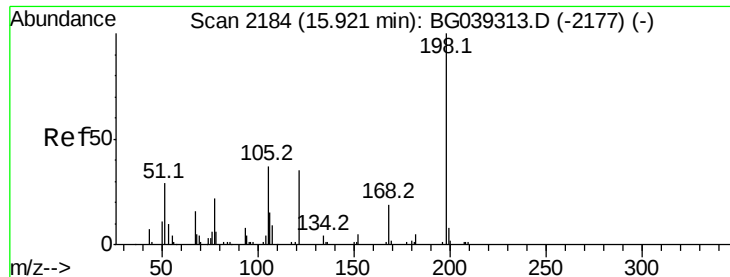


Abundance Ion 188.00 (187.70 to 188.70): E

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: 4.775 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039670.D

Acq: 28 Feb 2019 21:35

Instrument :

BNA_G

ClientSampled :

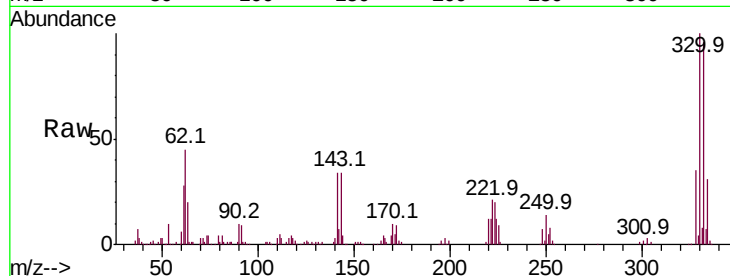
Tot Ion:198 Resp: 762

Ion Ratio Lower Upper

198 100

51 95.9 27.4 67.4#

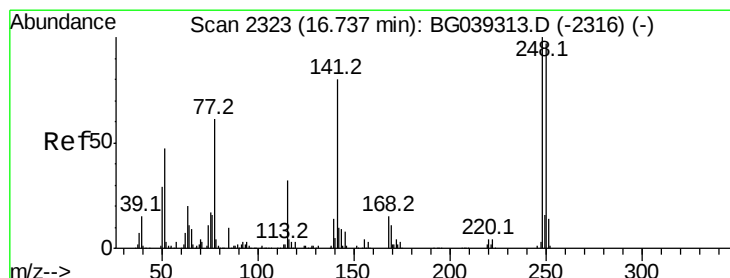
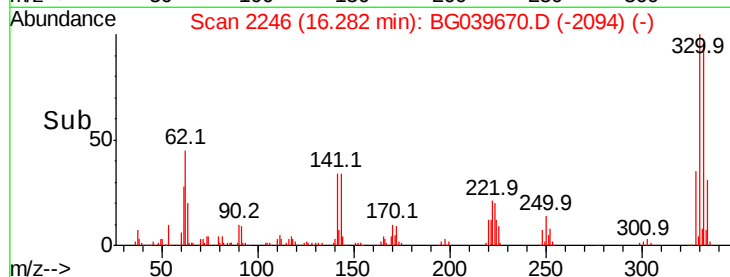
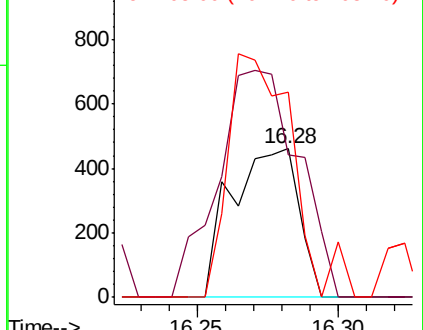
105 138.4 19.7 59.7#



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: 3.775 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.46 min

Lab File: BG039670.D

Acq: 28 Feb 2019 21:35

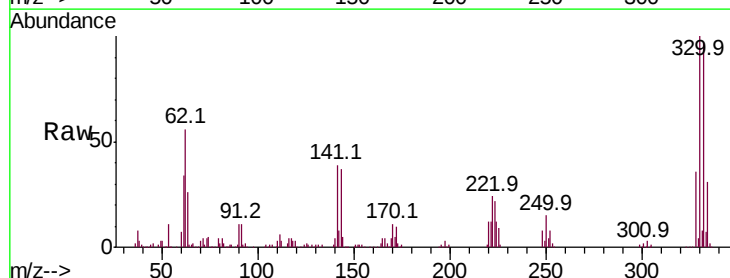
Tgt Ion:248 Resp: 17054

Ion Ratio Lower Upper

248 100

250 180.8 77.6 116.4#

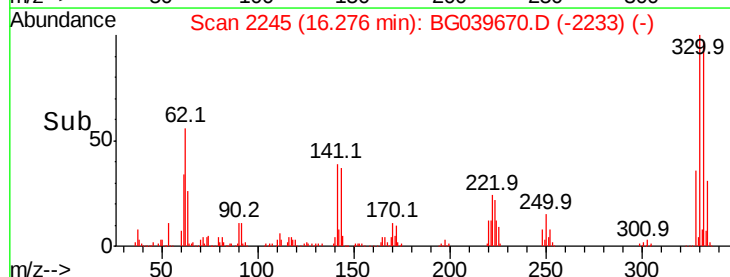
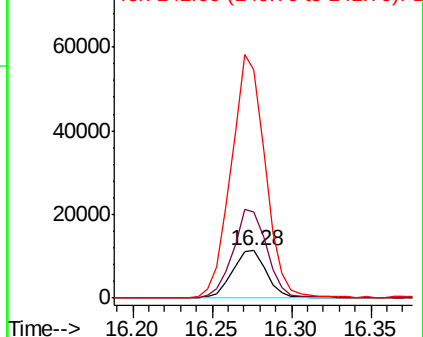
141 479.9 63.9 95.9#

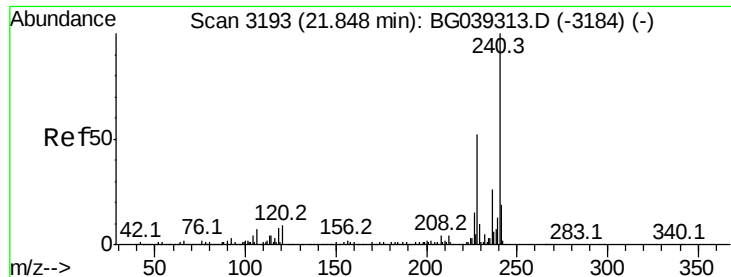


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

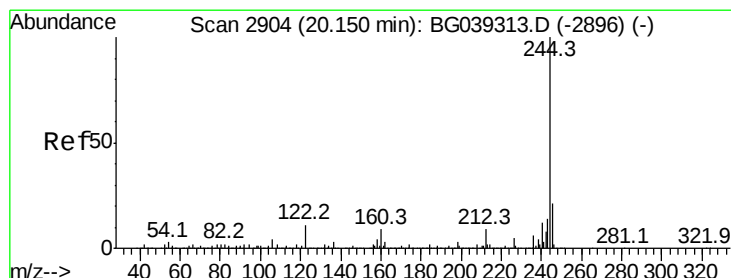
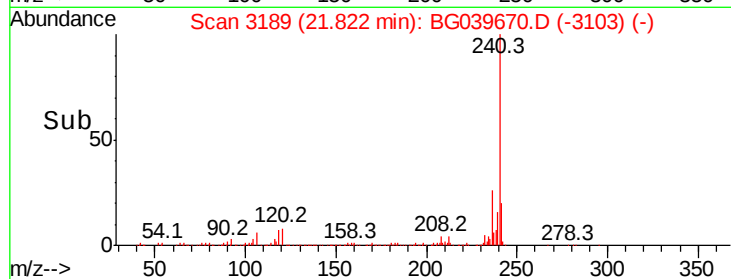
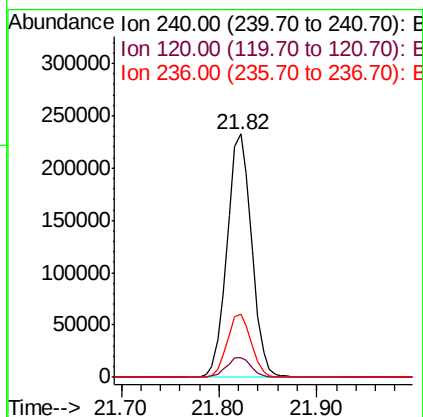
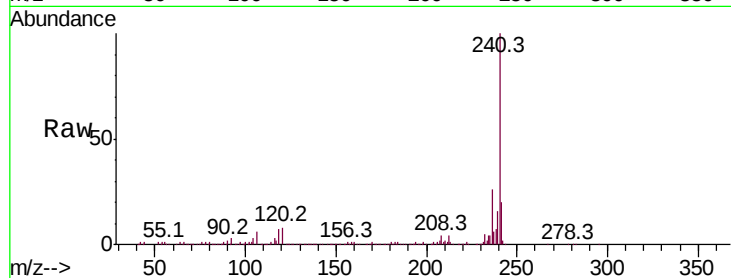




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.03 min
 Lab File: BG039670.D
 Acq: 28 Feb 2019 21:35

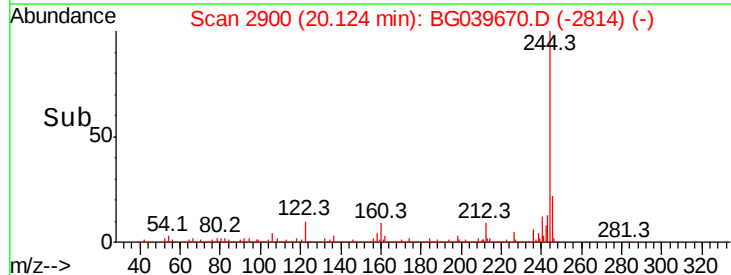
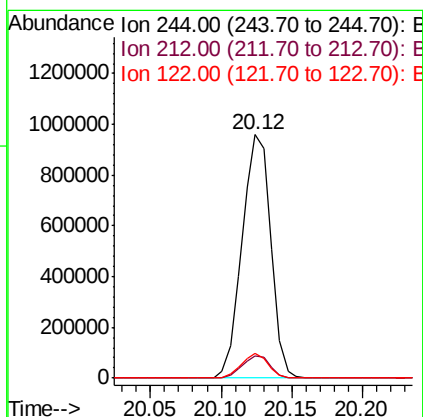
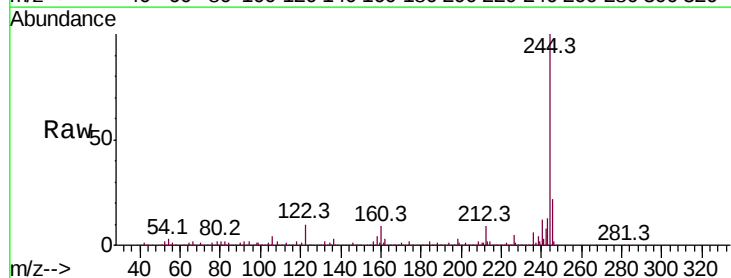
Instrument :
 BNA_G
 ClientSampleId :

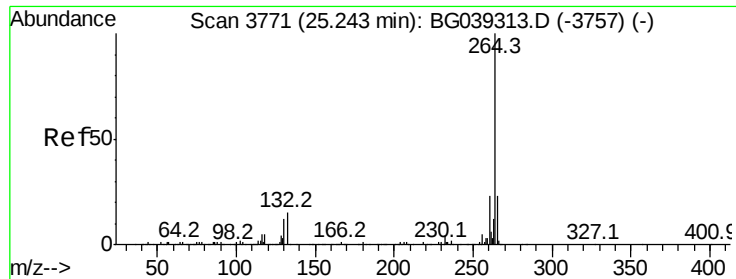
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.1	7.0	10.6
236	25.9	21.0	31.4



#79
 Terphenyl-d14
 Concen: 71.220 ng
 RT: 20.12 min Scan# 2900
 Delta R.T. -0.03 min
 Lab File: BG039670.D
 Acq: 28 Feb 2019 21:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.3	10.9
122	10.2	8.4	12.6

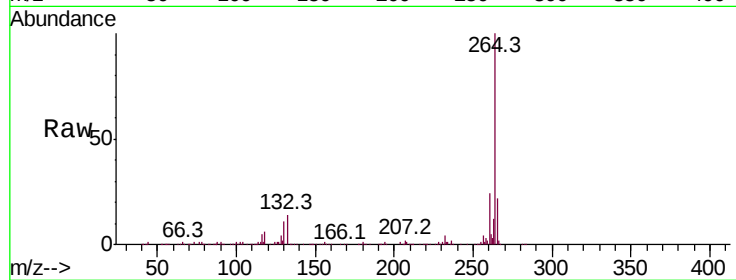




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.19 min Scan# 3763
Delta R.T. -0.05 min
Lab File: BG039670.D
Acq: 28 Feb 2019 21:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.4
265	22.3	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

