

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG030119\
 Data File : BG039704.D
 Acq On : 2 Mar 2019 2:13
 Operator : JU/SJ
 Sample : K1675-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 Z-3-11-B

Quant Time: Mar 02 03:15:53 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	61770	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	264156	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	175670	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	412692	20.00	ng	0.00
76) Chrysene-d12	21.82	240	430274	20.00	ng	0.00
87) Perylene-d12	25.19	264	426843	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	379788	105.23	ng	0.00
7) Phenol-d6	7.31	99	552447	103.99	ng	0.00
23) Nitrobenzene-d5	9.34	82	325852	77.06	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	167878	88.75	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	777297	63.48	ng	0.00
79) Terphenyl-d14	20.12	244	1201038	59.08	ng	0.00

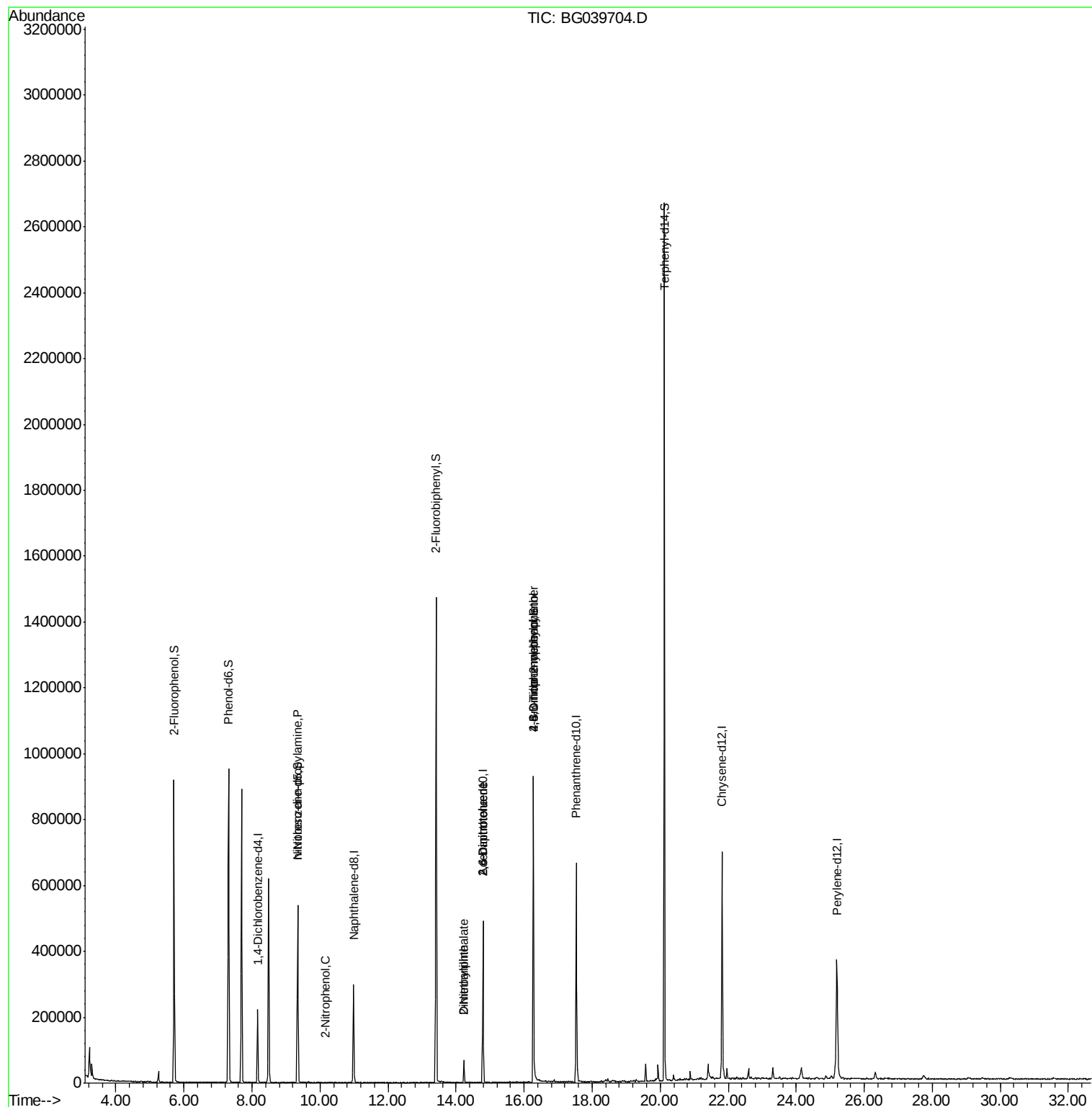
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1103	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	43433	11.519	ng	# 66
26) 2-Nitrophenol	10.17	139	54	4.040	ng	# 31
48) 2-Nitroaniline	14.23	65	428	8.408	ng	# 1
50) Dimethylphthalate	14.23	163	51791	3.650	ng	99
51) 2,6-Dinitrotoluene	14.78	165	22583	13.912	ng	# 24
57) 2,4-Dinitrotoluene	14.78	165	22583	13.390	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.27	198	639	4.671	ng	# 1
67) 4-Bromophenyl-phenylether	16.27	248	13585	2.967	ng	# 1

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

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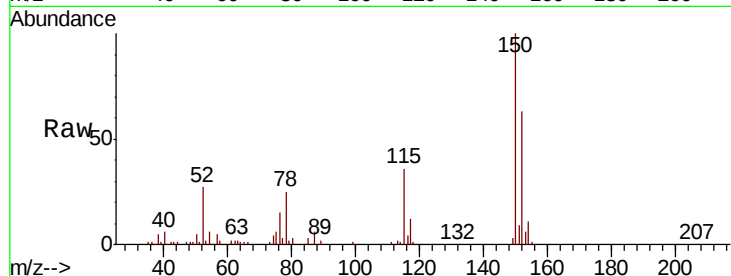


#1

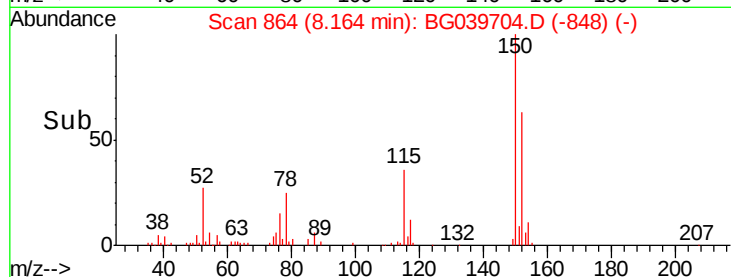
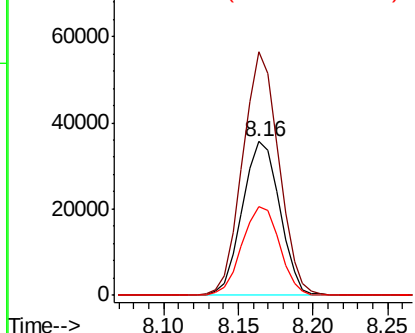
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.01 min
Lab File: BG039704.D
Acq: 2 Mar 2019 2:13

Instrument :
BNA_G
ClientSampleId :
Z-3-11-B

Tgt Ion:152 Resp: 61770
Ion Ratio Lower Upper
152 100
150 158.2 123.7 185.5
115 57.4 45.9 68.9



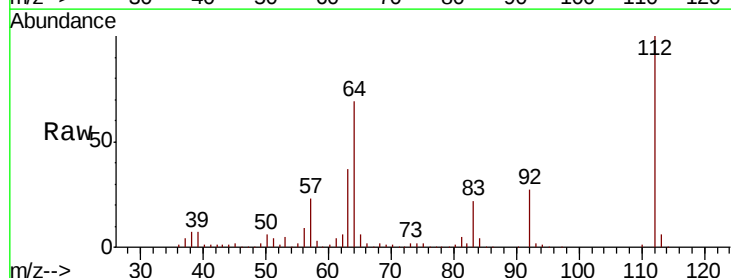
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



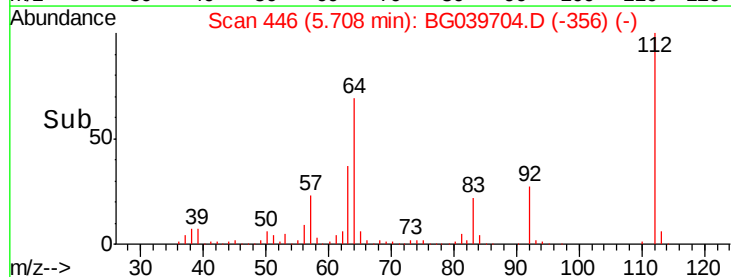
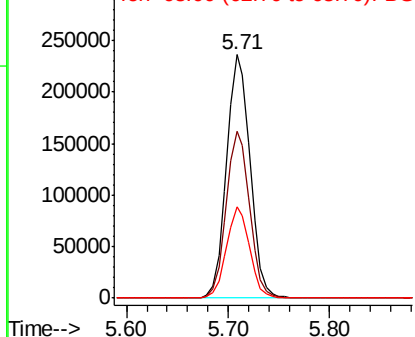
#5

2-Fluorophenol
Concen: 105.231 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.00 min
Lab File: BG039704.D
Acq: 2 Mar 2019 2:13

Tgt Ion:112 Resp: 379788
Ion Ratio Lower Upper
112 100
64 68.7 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: 103.990 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.00 min

Lab File: BG039704.D

Acq: 2 Mar 2019 2:13

Instrument :

BNA_G

ClientSampleId :

Z-3-11-B

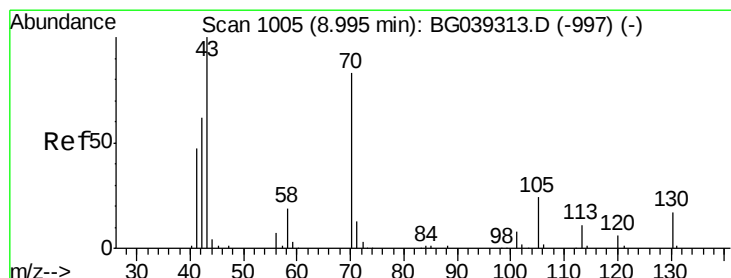
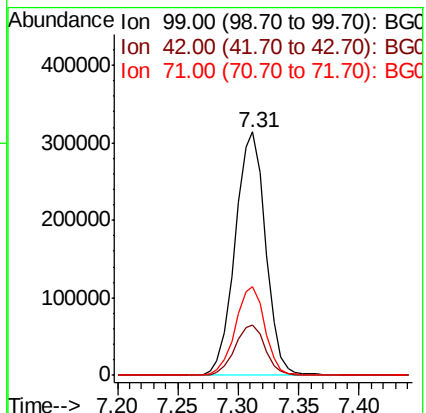
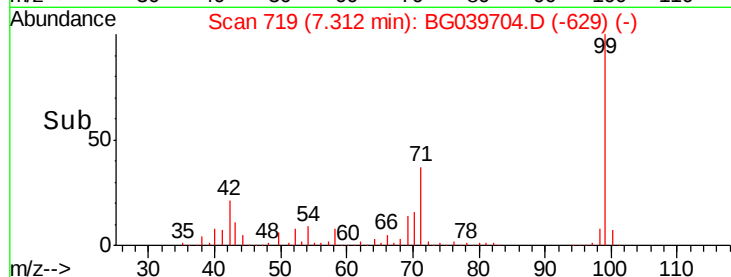
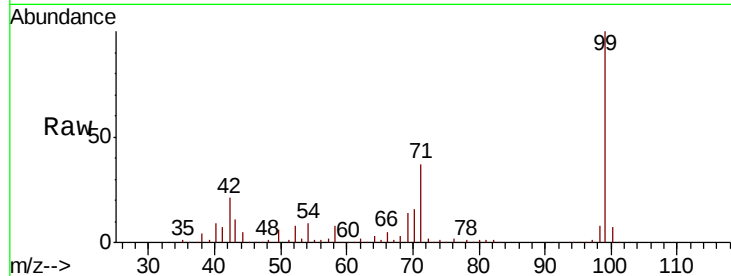
Tgt Ion: 99 Resp: 552447

Ion Ratio Lower Upper

99 100

42 20.6 18.2 27.2

71 36.7 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.519 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.37 min

Lab File: BG039704.D

Acq: 2 Mar 2019 2:13

Tgt Ion: 70 Resp: 43433

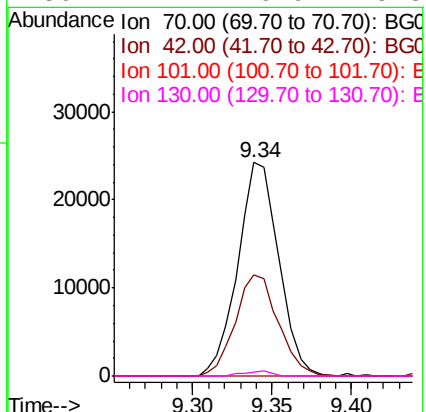
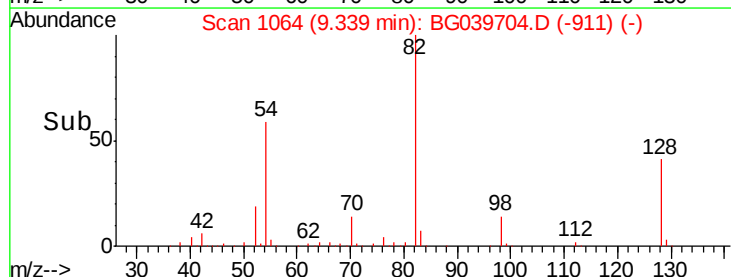
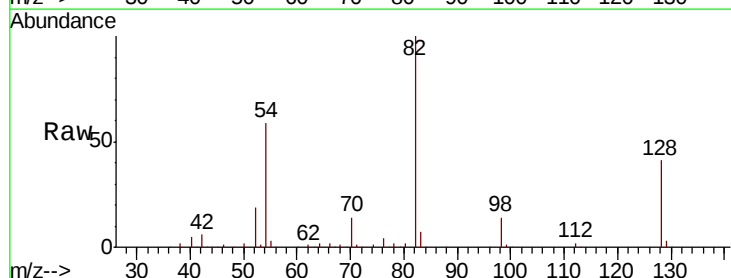
Ion Ratio Lower Upper

70 100

42 47.5 60.4 90.6#

101 0.0 7.5 11.3#

130 1.7 16.9 25.3#

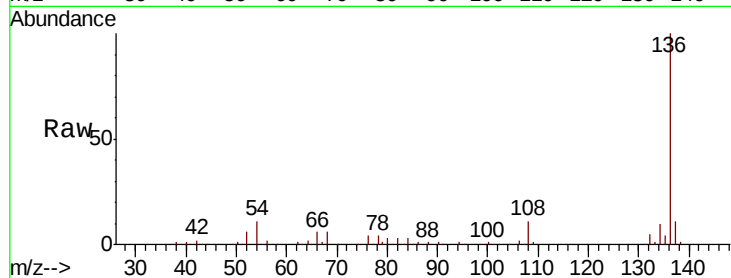




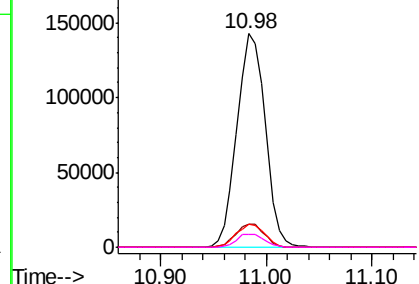
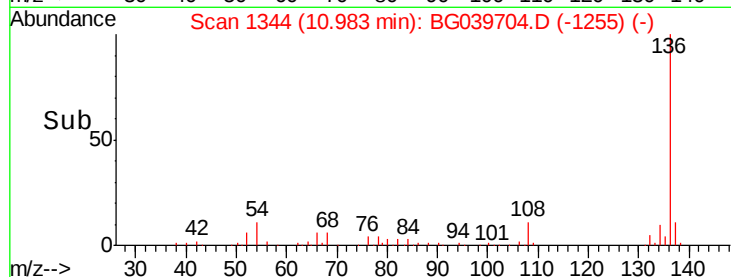
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BG039704.D
Acq: 2 Mar 2019 2:13

Instrument :
BNA_G
ClientSampleId :
Z-3-11-B

Tgt Ion:	136	Resp:	264156
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	10.8	9.4	14.2
68	5.9	4.2	6.4

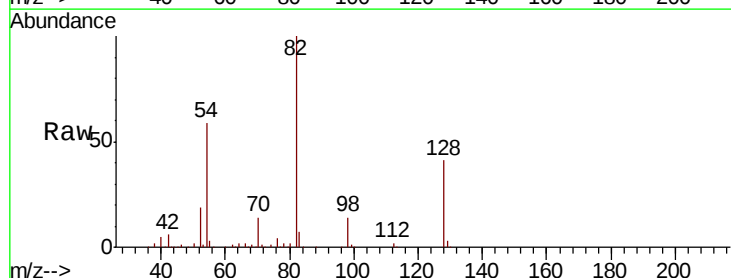


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

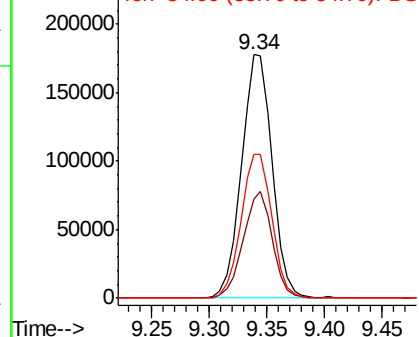
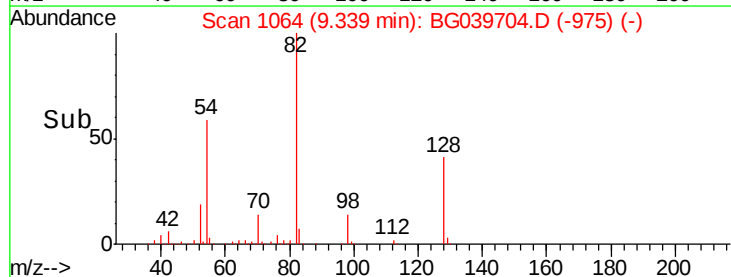


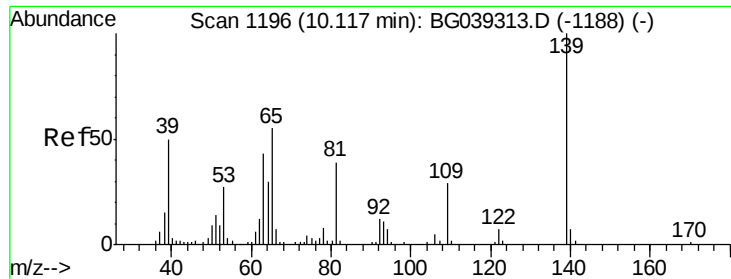
#23
Nitrobenzene-d5
Concen: 77.062 ng
RT: 9.34 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BG039704.D
Acq: 2 Mar 2019 2:13

Tgt Ion:	82	Resp:	325852
Ion	Ratio	Lower	Upper
82	100		
128	40.8	31.3	46.9
54	58.9	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

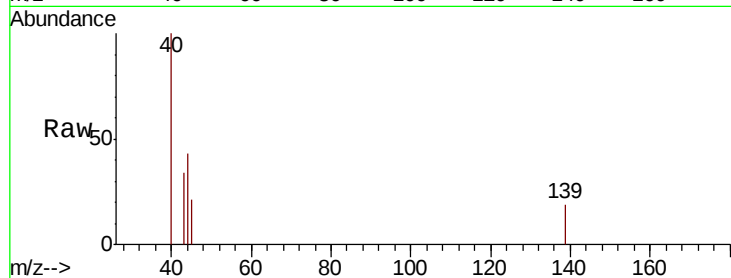




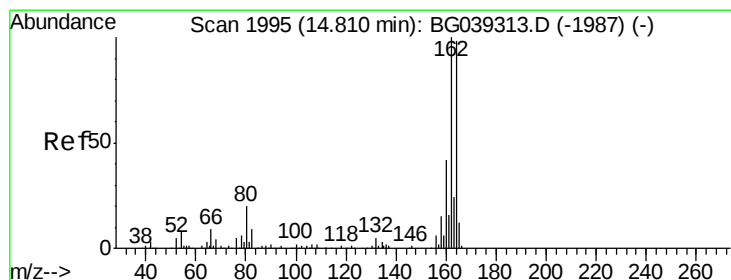
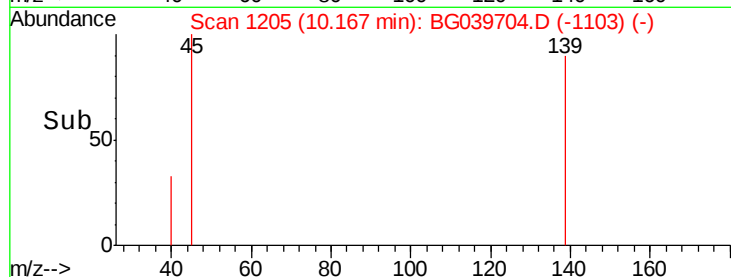
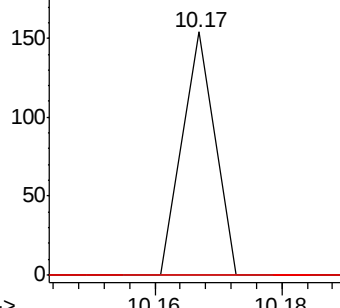
#26
 2-Nitrophenol
 Concen: 4.040 ng
 RT: 10.17 min Scan# 1205
 Delta R.T. 0.07 min
 Lab File: BG039704.D
 Acq: 2 Mar 2019 2:13

Instrument :
 BNA_G
 ClientSampleId :
 Z-3-11-B

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.4	35.0#
65	0.0	44.3	66.5#

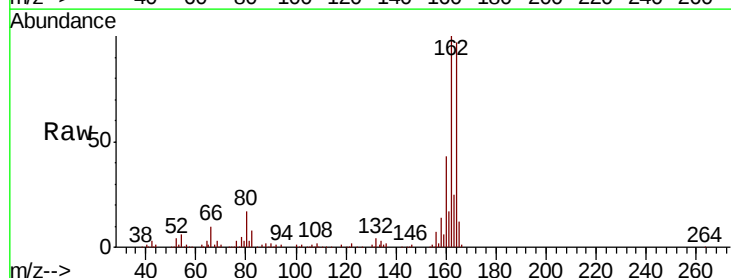


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BGC

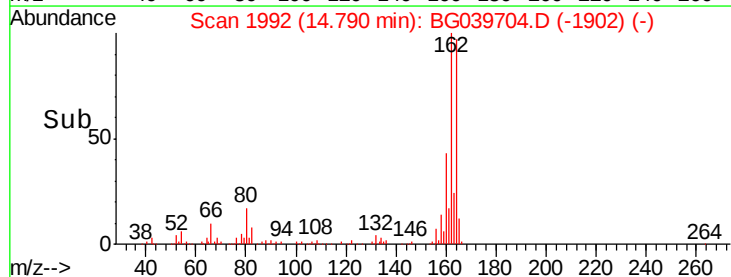
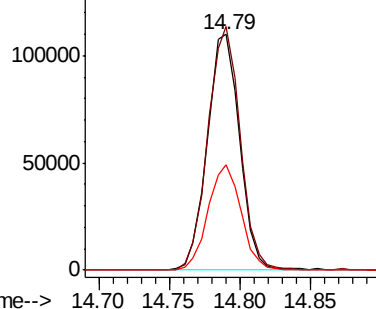


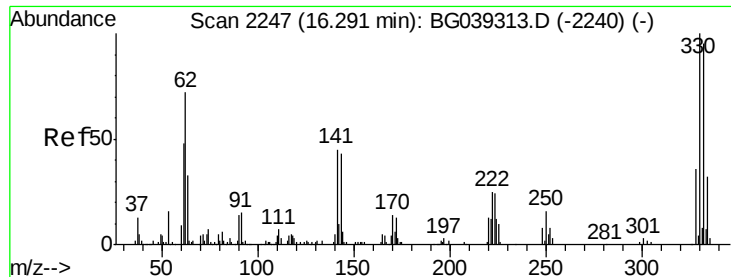
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.00 min
 Lab File: BG039704.D
 Acq: 2 Mar 2019 2:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.6	122.4
160	44.8	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: 88.746 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.00 min

Lab File: BG039704.D

Acq: 2 Mar 2019 2:13

Instrument :

BNA_G

ClientSampled :

Z-3-11-B

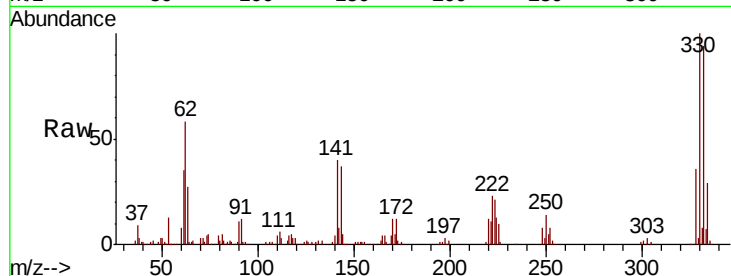
Tgt Ion:330 Resp: 167878

Ion Ratio Lower Upper

330 100

332 97.0 75.7 113.5

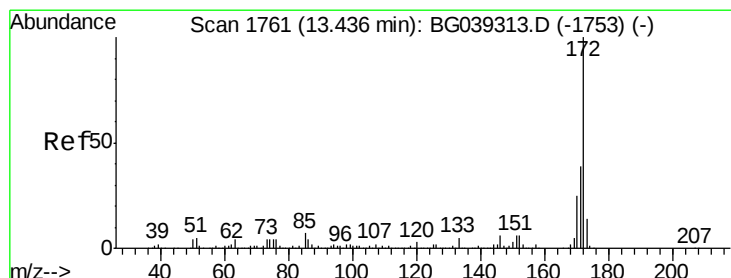
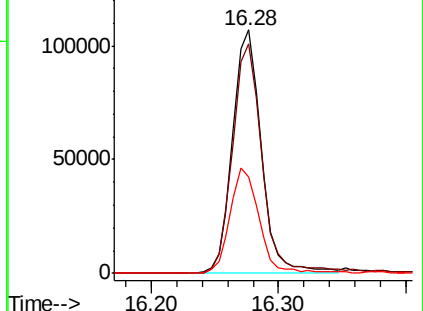
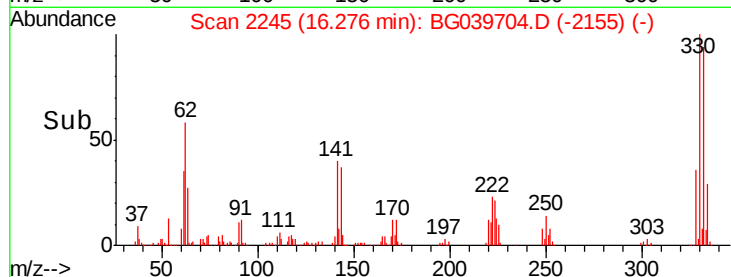
141 44.0 35.6 53.4



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: 63.475 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BG039704.D

Acq: 2 Mar 2019 2:13

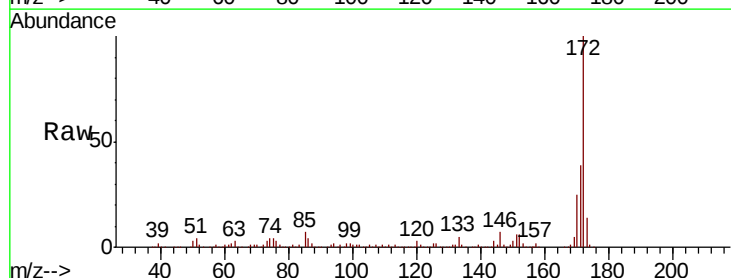
Tgt Ion:172 Resp: 777297

Ion Ratio Lower Upper

172 100

171 38.6 30.8 46.2

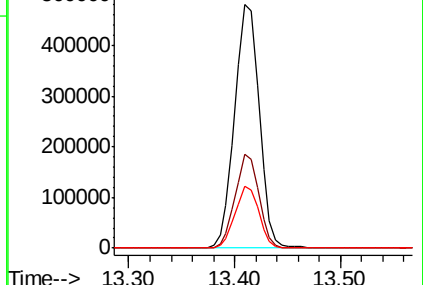
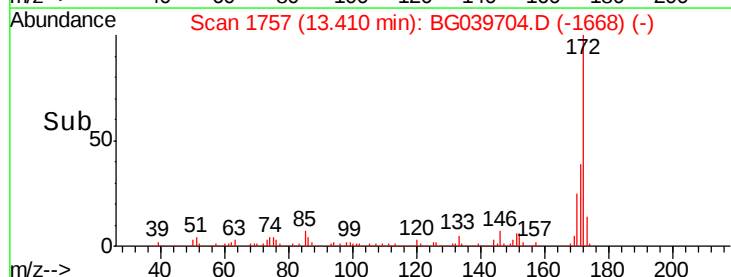
170 25.4 20.2 30.4

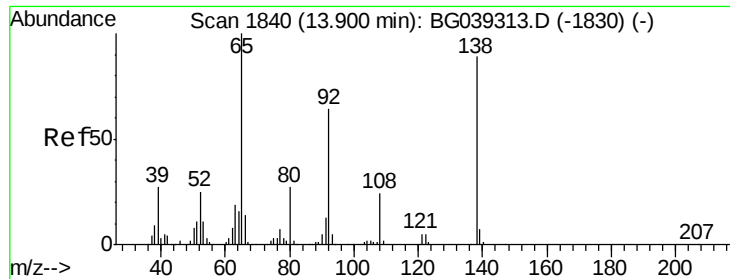


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

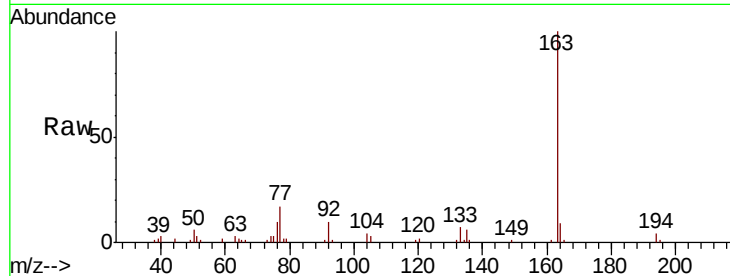




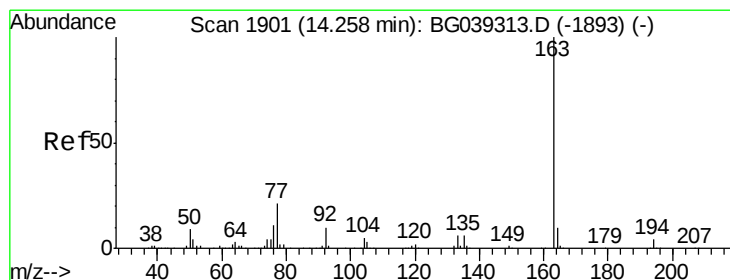
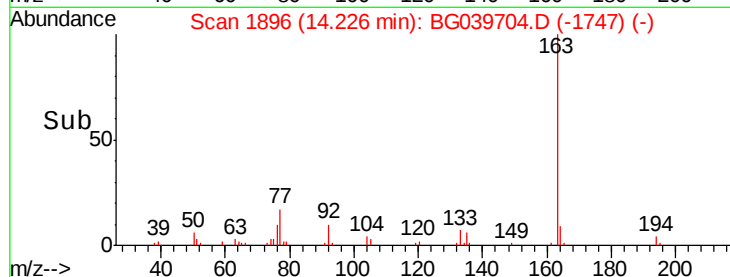
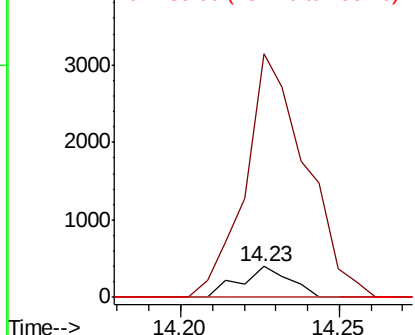
#48
2-Nitroaniline
Concen: 8.408 ng
RT: 14.23 min Scan# 1896
Delta R.T. 0.35 min
Lab File: BG039704.D
Acq: 2 Mar 2019 2:13

Instrument :
BNA_G
ClientSampleId :
Z-3-11-B

Tgt Ion: 65 Resp: 428
Ion Ratio Lower Upper
65 100
92 789.7 51.4 77.2#
138 0.0 71.4 107.2#

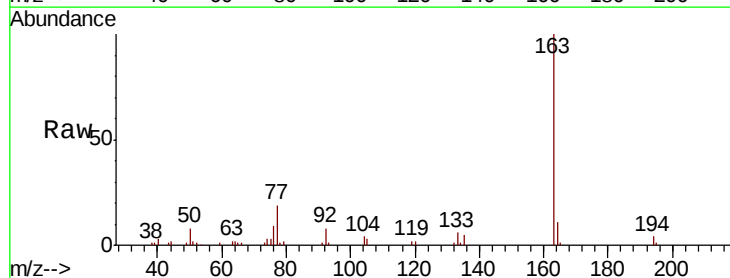


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

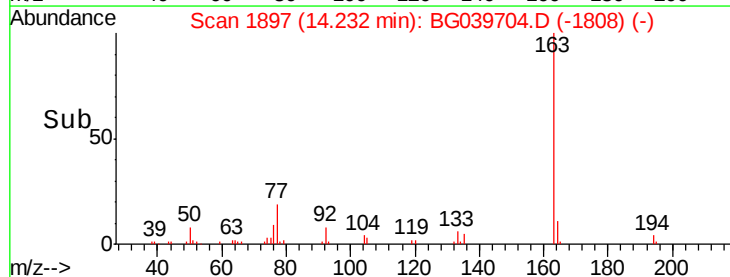
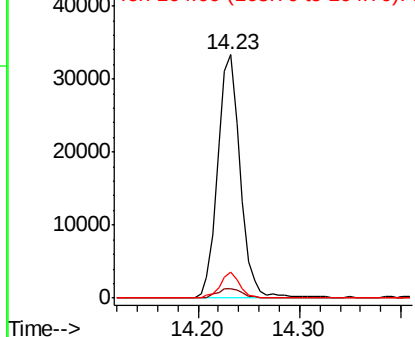


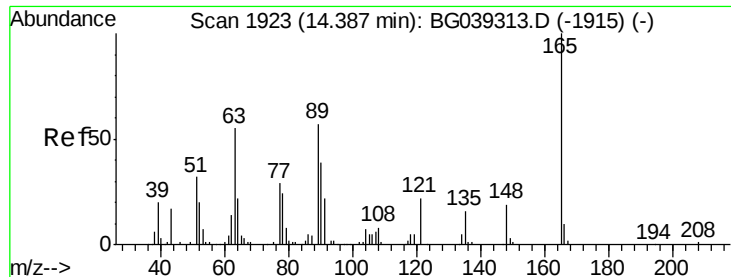
#50
Dimethylphthalate
Concen: 3.650 ng
RT: 14.23 min Scan# 1897
Delta R.T. -0.01 min
Lab File: BG039704.D
Acq: 2 Mar 2019 2:13

Tgt Ion: 163 Resp: 51791
Ion Ratio Lower Upper
163 100
194 3.6 3.6 5.4
164 10.7 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): BGC
Ion 194.00 (193.70 to 194.70): BGC
Ion 164.00 (163.70 to 164.70): BGC

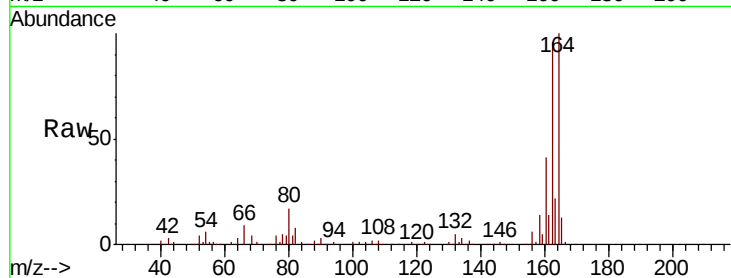




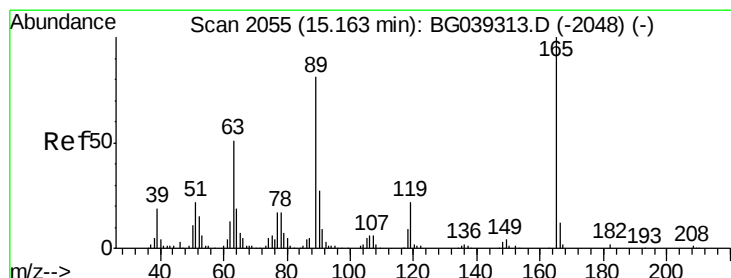
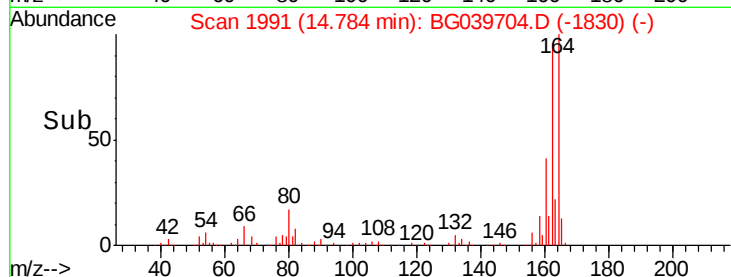
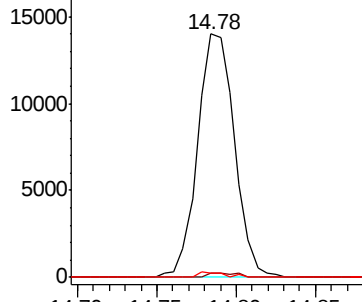
#51
 2,6-Dinitrotoluene
 Concen: 13.912 ng
 RT: 14.78 min Scan# 1991
 Delta R.T. 0.42 min
 Lab File: BG039704.D
 Acq: 2 Mar 2019 2:13

Instrument :
 BNA_G
 ClientSampleId :
 Z-3-11-B

Tgt Ion:165 Resp: 22583
 Ion Ratio Lower Upper
 165 100
 63 2.0 47.0 70.6#
 89 1.6 45.8 68.8#

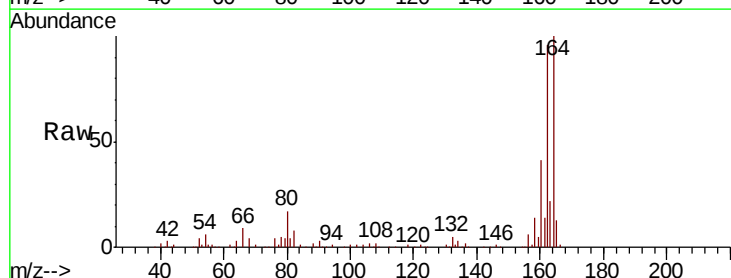


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

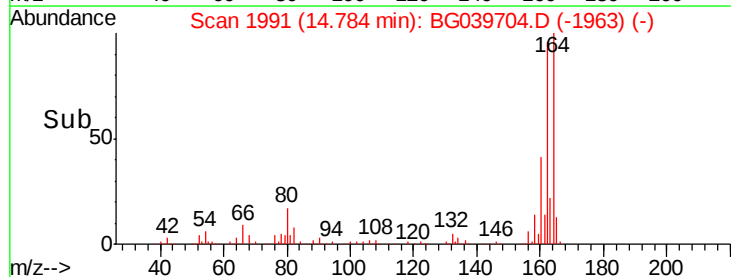
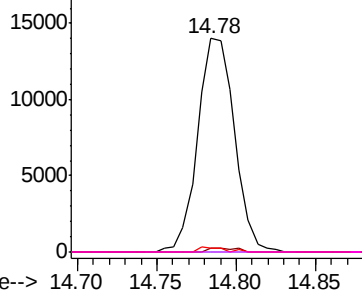


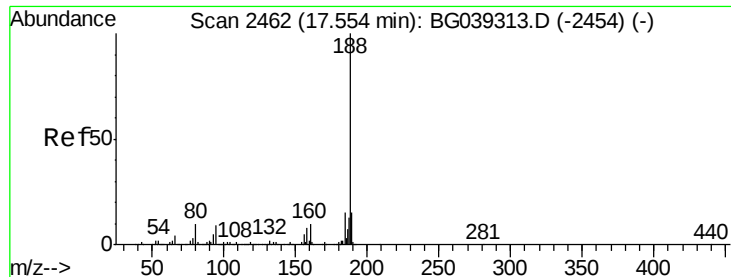
#57
 2,4-Dinitrotoluene
 Concen: 13.390 ng
 RT: 14.78 min Scan# 1991
 Delta R.T. -0.36 min
 Lab File: BG039704.D
 Acq: 2 Mar 2019 2:13

Tgt Ion:165 Resp: 22583
 Ion Ratio Lower Upper
 165 100
 63 2.0 41.0 61.6#
 89 1.6 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: BG039704.D

Acq: 2 Mar 2019 2:13

Instrument :

BNA_G

ClientSampleId :

Z-3-11-B

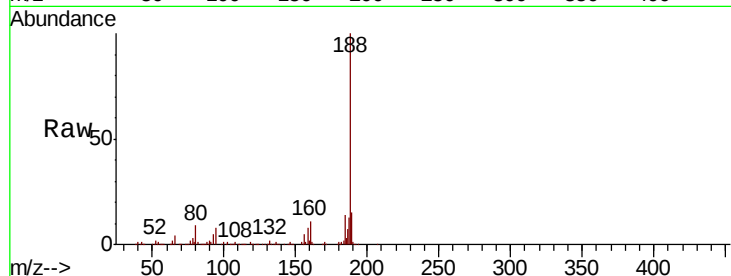
Tgt Ion:188 Resp: 412692

Ion Ratio Lower Upper

188 100

94 8.2 6.9 10.3

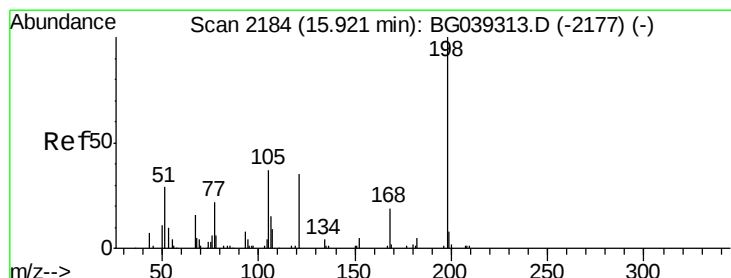
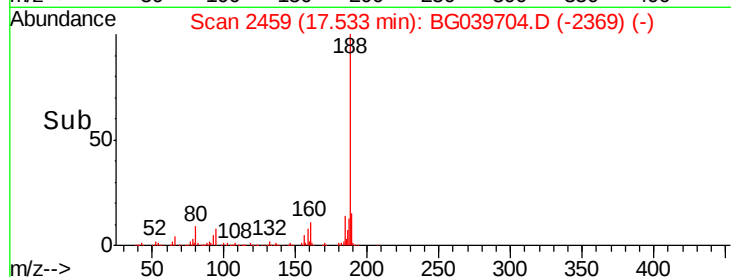
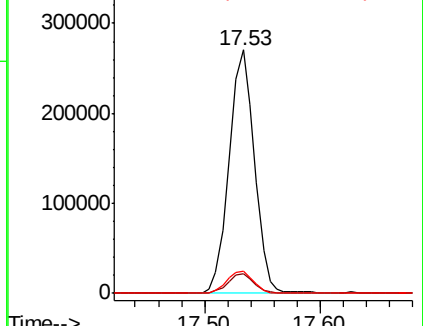
80 9.1 8.1 12.1



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: 4.671 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.36 min

Lab File: BG039704.D

Acq: 2 Mar 2019 2:13

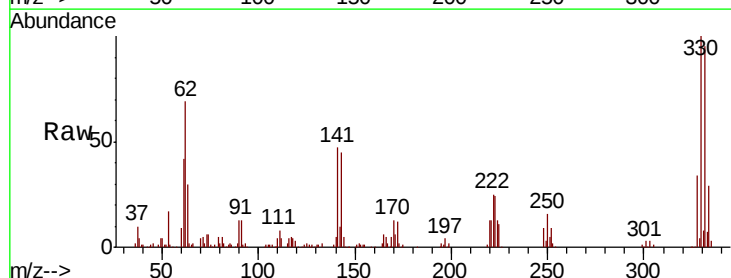
Tgt Ion:198 Resp: 639

Ion Ratio Lower Upper

198 100

51 135.9 27.4 67.4#

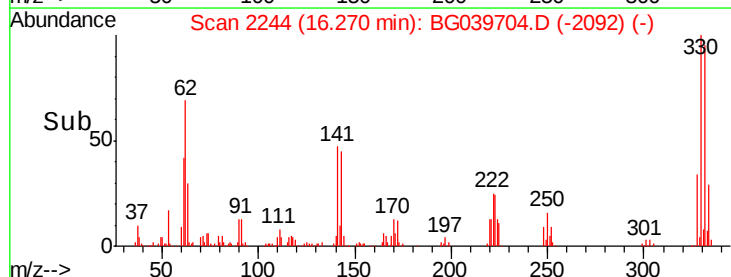
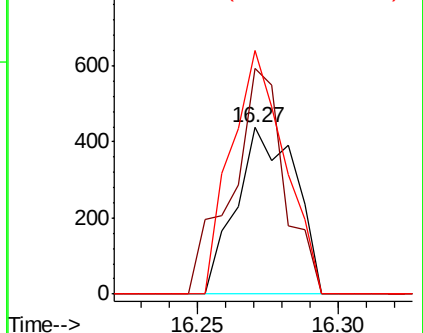
105 146.5 19.7 59.7#

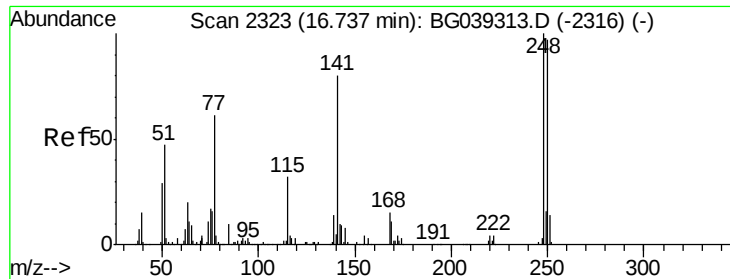


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

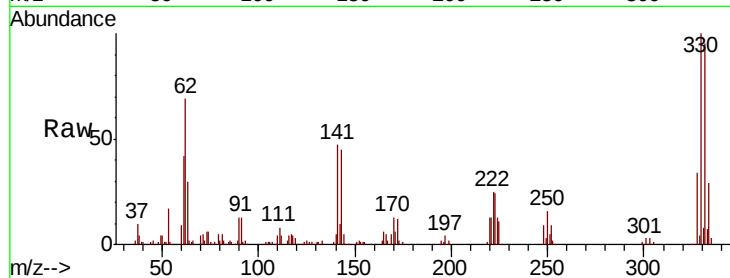




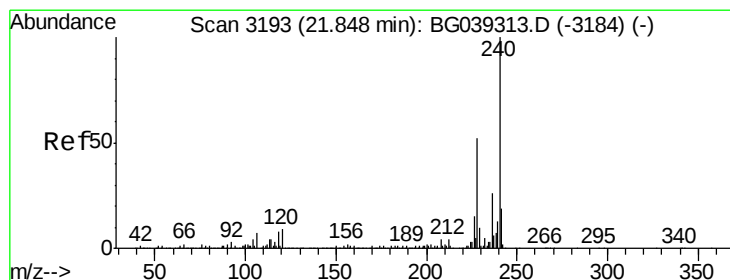
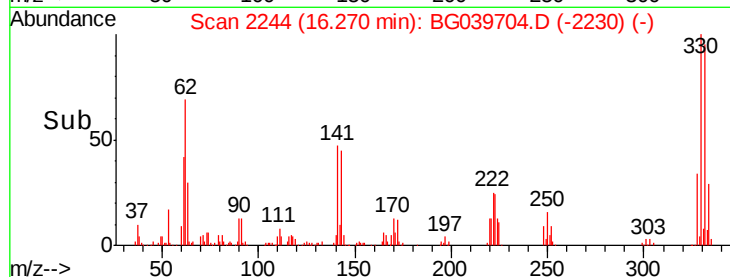
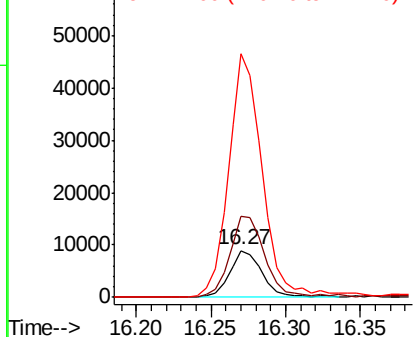
#67
 4-Bromophenyl-phenylether
 Concen: 2.967 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.45 min
 Lab File: BG039704.D
 Acq: 2 Mar 2019 2:13

Instrument :
 BNA_G
 ClientSampleId :
 Z-3-11-B

Tgt Ion:248 Resp: 13585
 Ion Ratio Lower Upper
 248 100
 250 174.7 77.6 116.4#
 141 523.0 63.9 95.9#

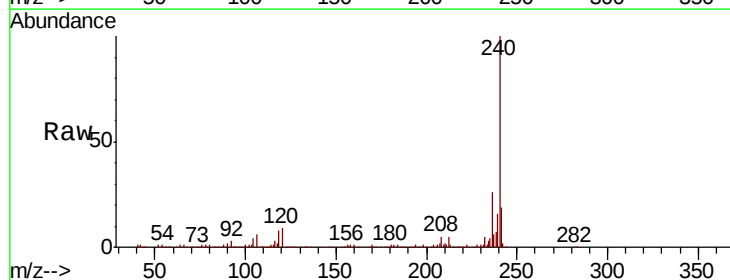


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

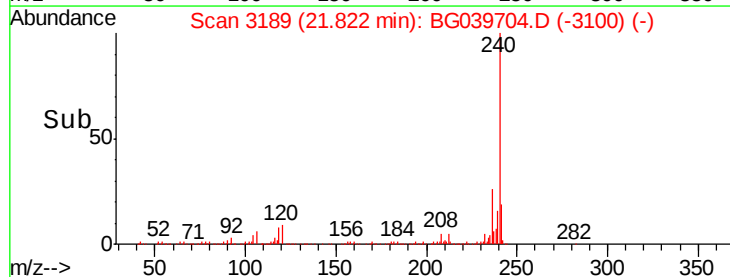
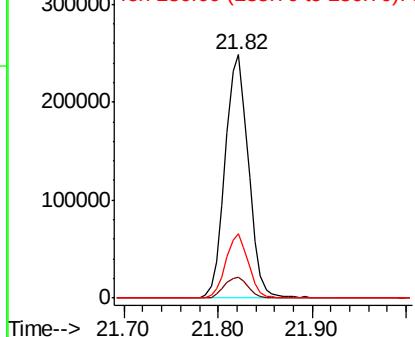


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.01 min
 Lab File: BG039704.D
 Acq: 2 Mar 2019 2:13

Tgt Ion:240 Resp: 430274
 Ion Ratio Lower Upper
 240 100
 120 8.6 7.0 10.6
 236 26.4 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: 59.084 ng

RT: 20.12 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG039704.D

Acq: 2 Mar 2019 2:13

Instrument :

BNA_G

ClientSampleId :

Z-3-11-B

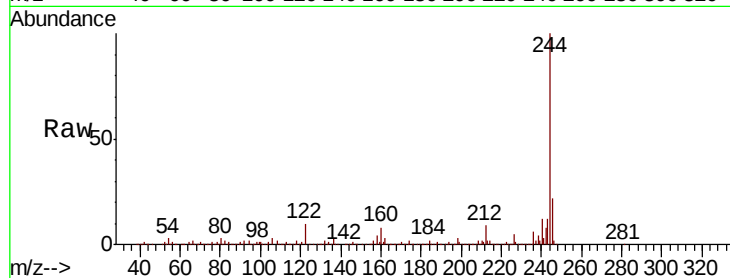
Tgt Ion:244 Resp: 1201038

Ion Ratio Lower Upper

244 100

212 9.1 7.3 10.9

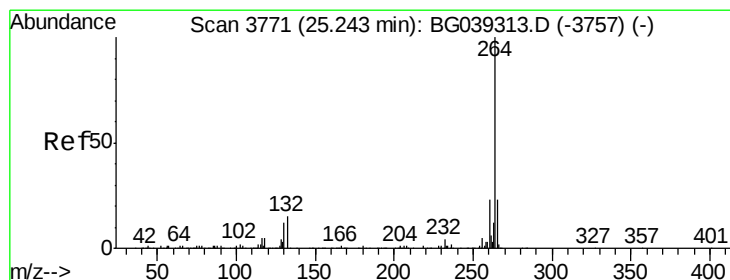
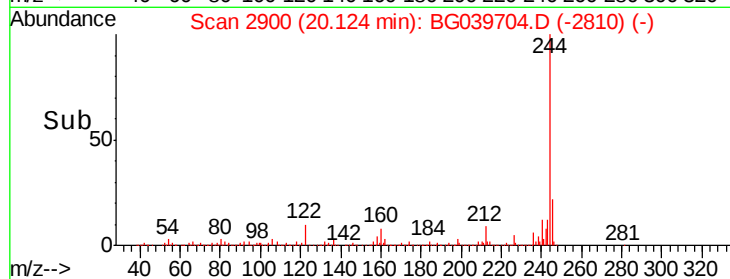
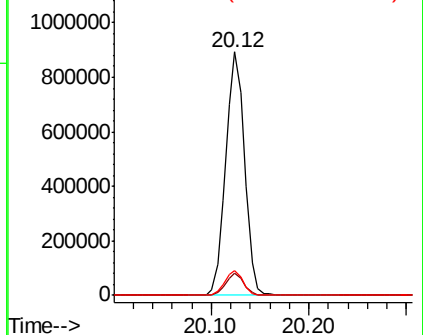
122 10.2 8.4 12.6



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: 25.19 min Scan# 3763

Delta R.T. -0.01 min

Lab File: BG039704.D

Acq: 2 Mar 2019 2:13

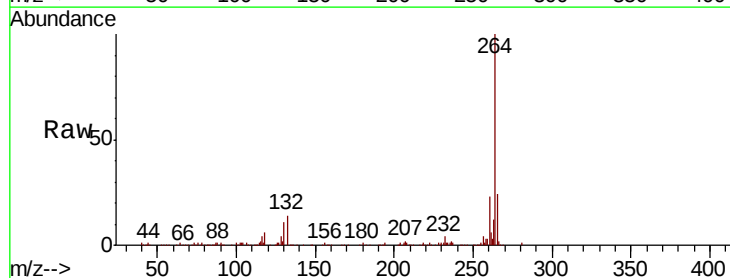
Tgt Ion:264 Resp: 426843

Ion Ratio Lower Upper

264 100

260 23.4 18.2 27.4

265 23.5 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

