

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030119\
 Data File : BG039712.D
 Acq On : 2 Mar 2019 7:27
 Operator : JU/SJ
 Sample : K1675-16
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 03 23:48:01 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	50146	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	216850	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	145514	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	351799	20.00	ng	0.00
76) Chrysene-d12	21.82	240	359881	20.00	ng	0.00
87) Perylene-d12	25.20	264	344816	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	404696	138.12	ng	0.00
7) Phenol-d6	7.31	99	548251	127.12	ng	0.00
23) Nitrobenzene-d5	9.34	82	385100	110.94	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	216690	138.29	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	916681	90.37	ng	0.00
79) Terphenyl-d14	20.12	244	1471078	86.52	ng	0.00

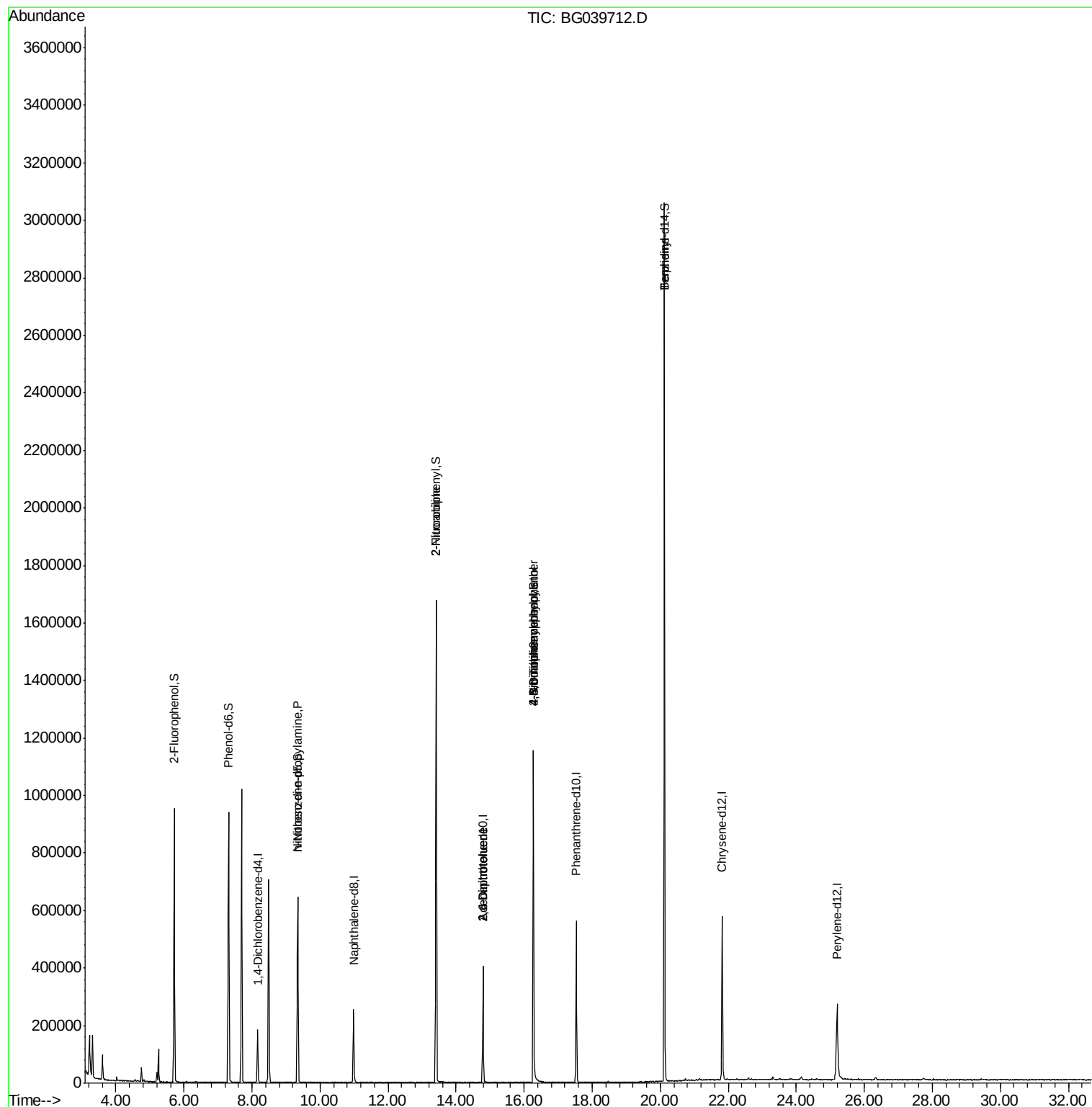
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	930	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	50254	16.417	ng	# 64
48) 2-Nitroaniline	13.41	65	1816	8.870	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	19073	14.056	ng	# 22
57) 2,4-Dinitrotoluene	14.79	165	19073	13.499	ng	# 17
62) 4-Nitroaniline	16.28	138	56	4.223	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.27	198	689	4.803	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	16570	4.246	ng	# 1
77) Benzidine	20.13	184	26692	2.262	ng	# 95

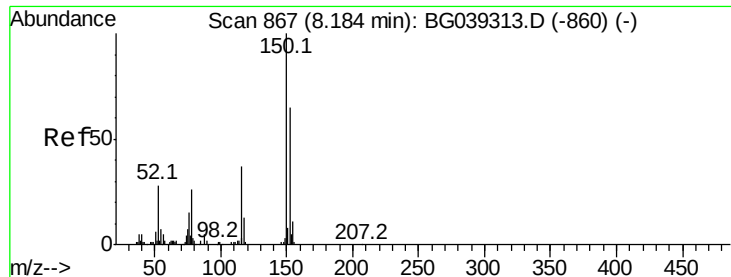
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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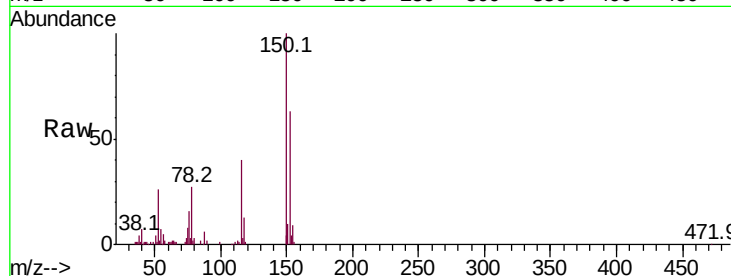


#1

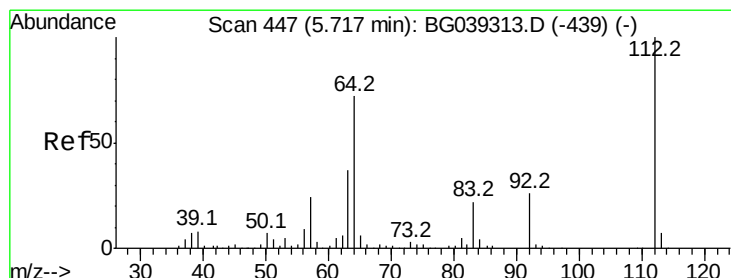
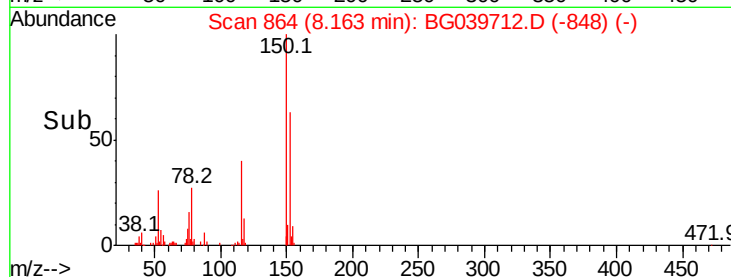
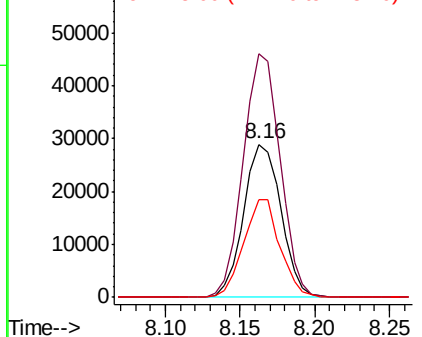
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.01 min
Lab File: BG039712.D
Acq: 2 Mar 2019 7:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 50146
Ion Ratio Lower Upper
152 100
150 158.9 123.7 185.5
115 64.0 45.9 68.9



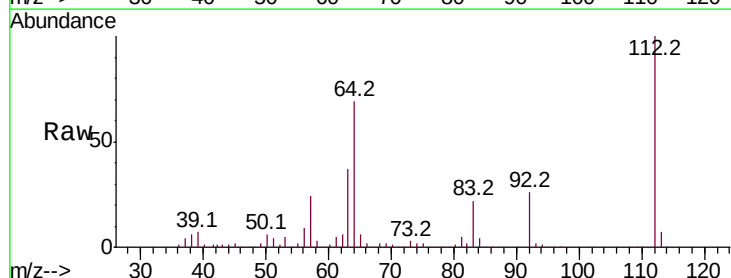
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



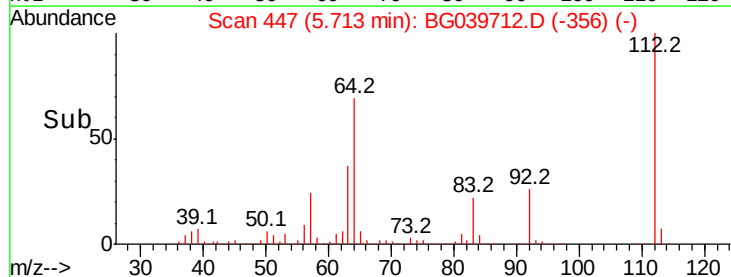
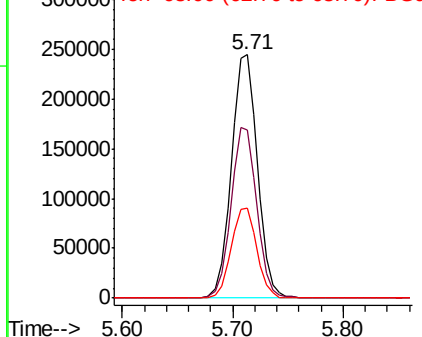
#5

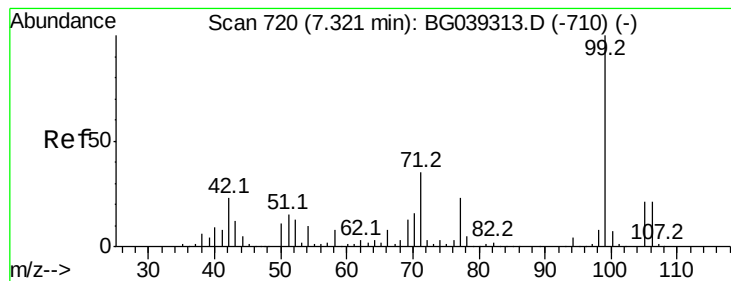
2-Fluorophenol
Concen: 138.125 ng
RT: 5.71 min Scan# 447
Delta R.T. 0.00 min
Lab File: BG039712.D
Acq: 2 Mar 2019 7:27

Tgt Ion:112 Resp: 404696
Ion Ratio Lower Upper
112 100
64 68.9 57.8 86.8
63 37.0 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: 127.123 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.00 min

Lab File: BG039712.D

Acq: 2 Mar 2019 7:27

Instrument :

BNA_G

ClientSampleId :

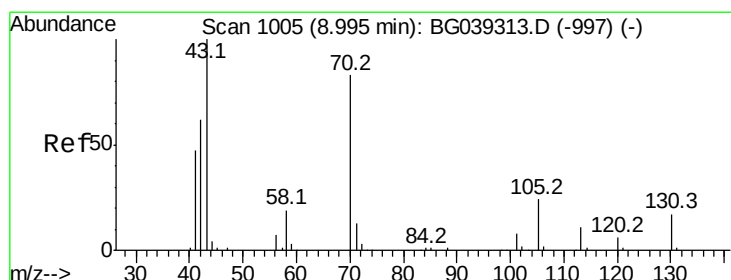
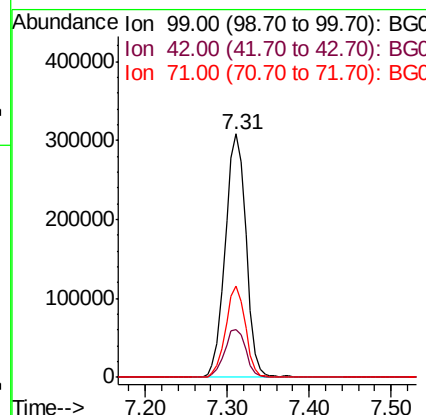
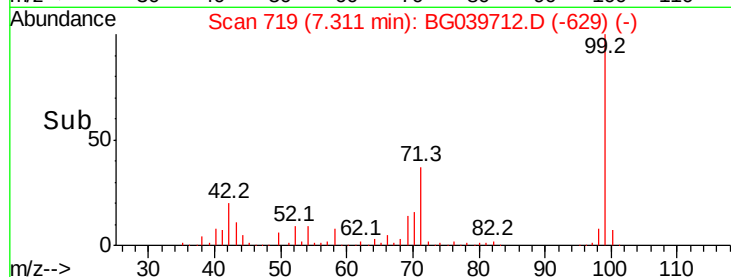
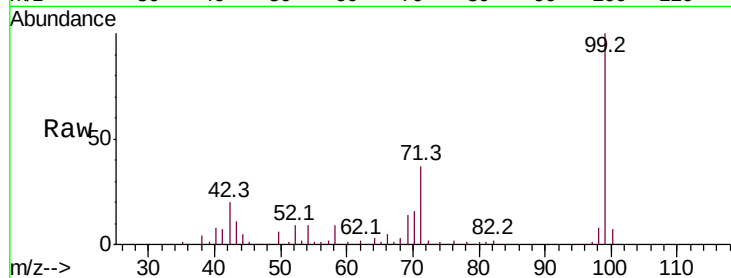
Tot Ion: 99 Resp: 548251

Ion Ratio Lower Upper

99 100

42 19.6 18.2 27.2

71 37.4 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.417 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.37 min

Lab File: BG039712.D

Acq: 2 Mar 2019 7:27

Tgt Ion: 70 Resp: 50254

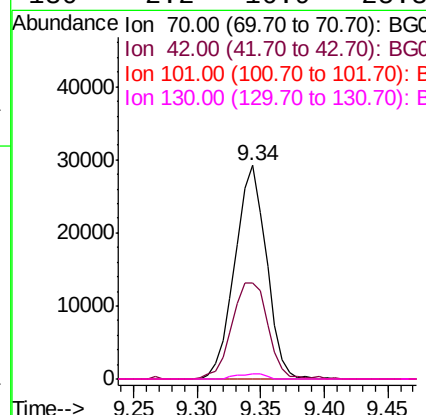
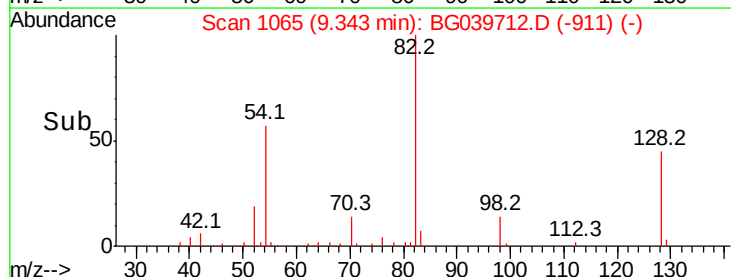
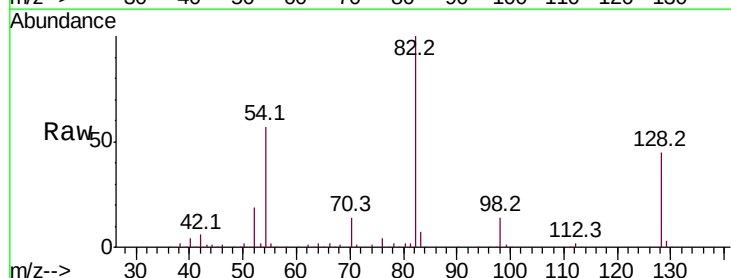
Ion Ratio Lower Upper

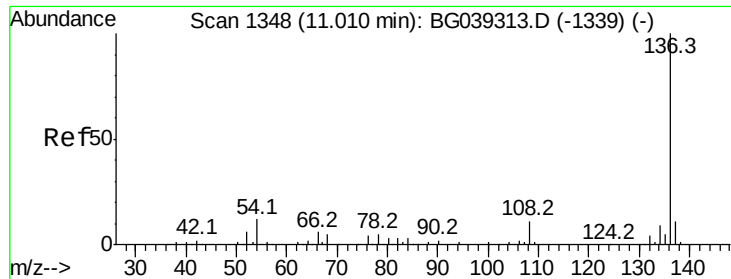
70 100

42 44.9 60.4 90.6#

101 0.0 7.5 11.3#

130 2.2 16.9 25.3#

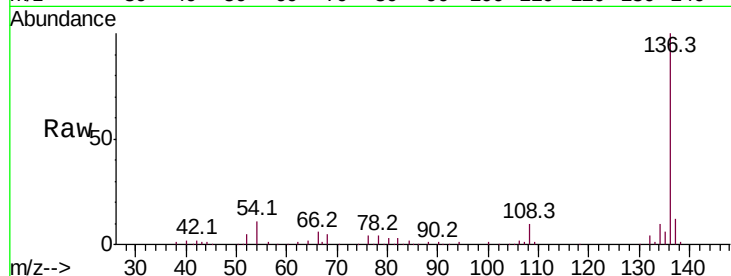




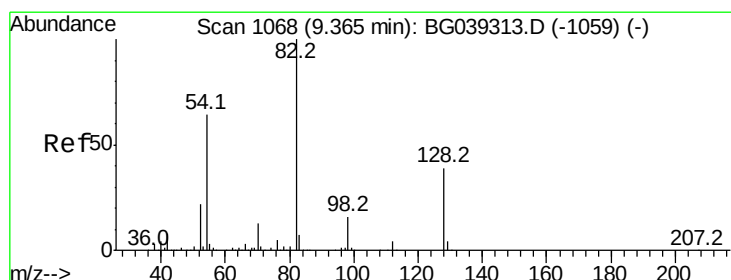
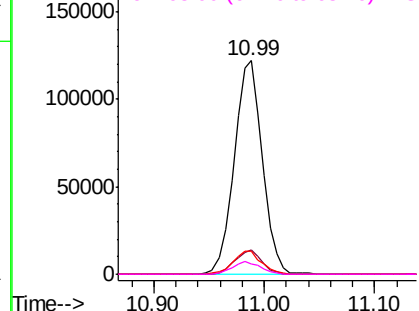
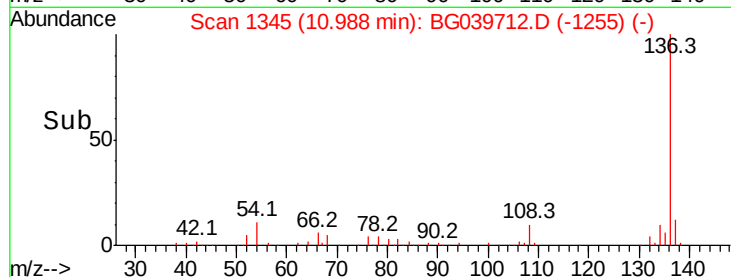
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BG039712.D
Acq: 2 Mar 2019 7:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	216850
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	10.8	9.4	14.2
68	5.1	4.2	6.4

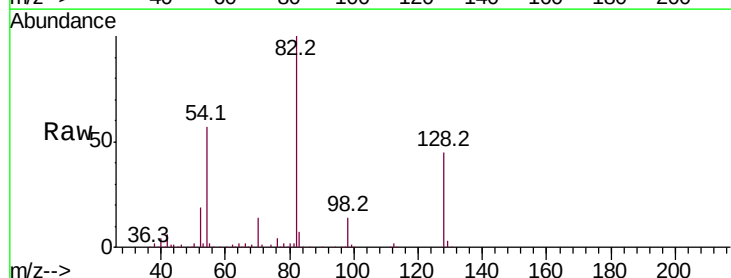


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

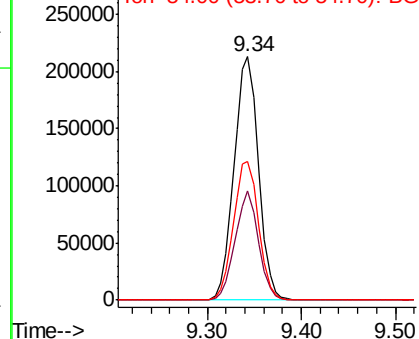
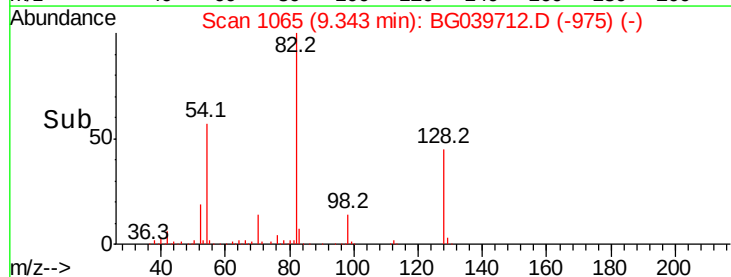


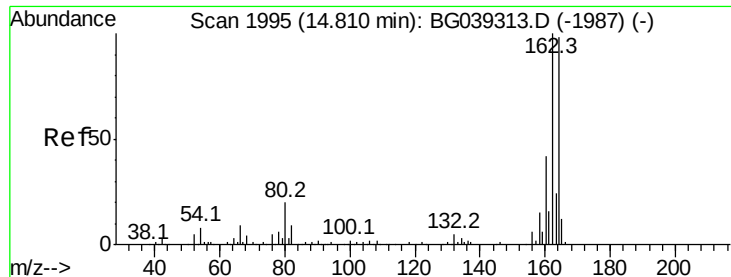
#23
Nitrobenzene-d5
Concen: 110.942 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BG039712.D
Acq: 2 Mar 2019 7:27

Tgt Ion:	82	Resp:	385100
Ion	Ratio	Lower	Upper
82	100		
128	44.8	31.3	46.9
54	57.0	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: BG039712.D

Acq: 2 Mar 2019 7:27

Instrument :

BNA_G

ClientSampled :

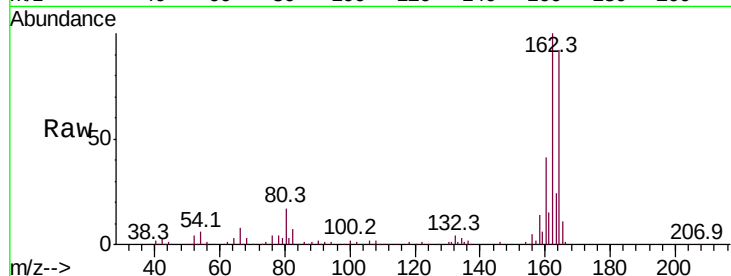
Tot Ion:164 Resp: 145514

Ion Ratio Lower Upper

164 100

162 108.2 81.6 122.4

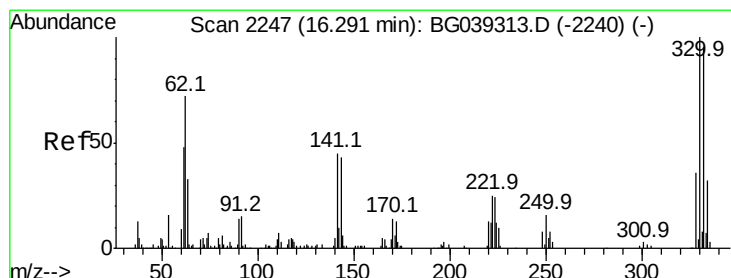
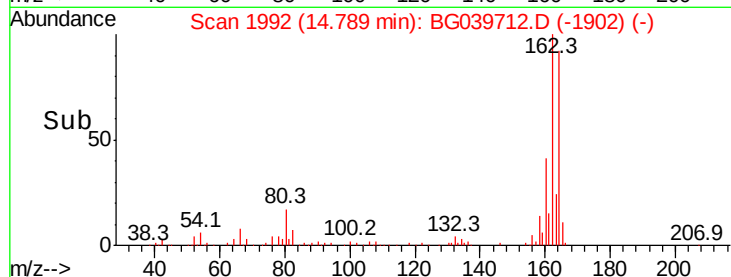
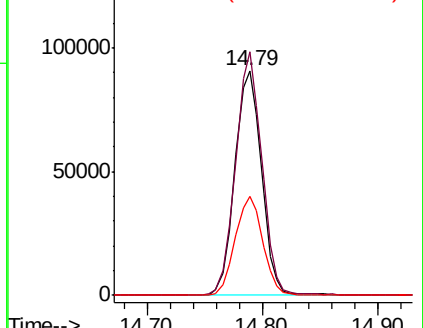
160 44.3 34.2 51.2



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: 138.289 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.00 min

Lab File: BG039712.D

Acq: 2 Mar 2019 7:27

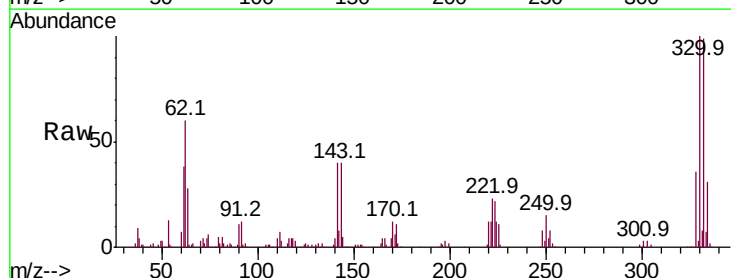
Tgt Ion:330 Resp: 216690

Ion Ratio Lower Upper

330 100

332 97.1 75.7 113.5

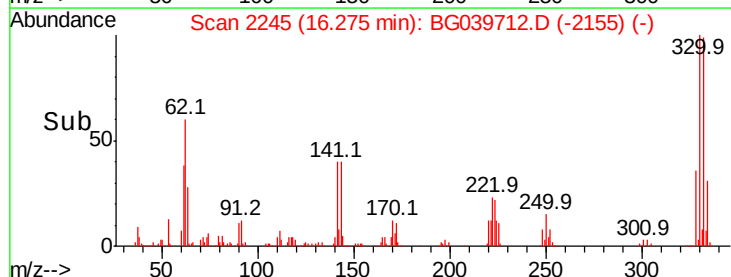
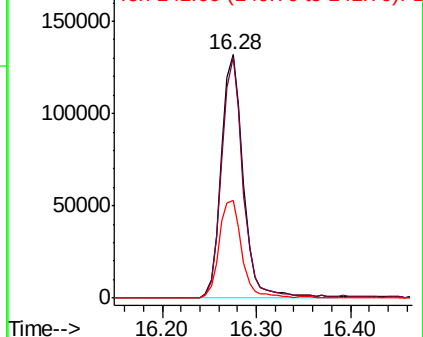
141 41.1 35.6 53.4

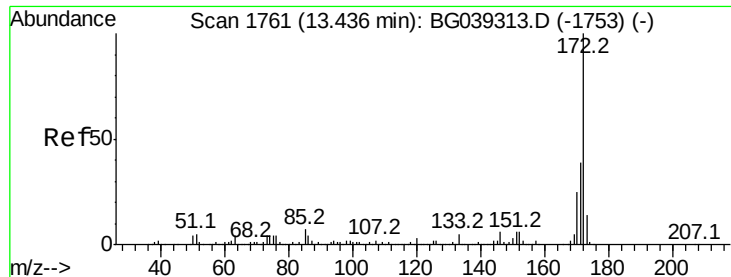


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 90.371 ng

RT: 13.41 min Scan# 1758

Delta R.T. -0.00 min

Lab File: BG039712.D

Acq: 2 Mar 2019 7:27

Instrument :

BNA_G

ClientSampleId :

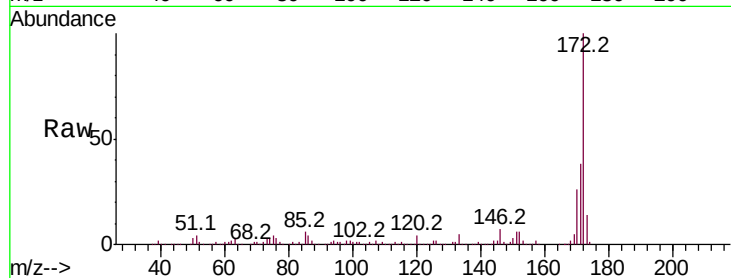
Tot Ion:172 Resp: 916681

Ion Ratio Lower Upper

172 100

171 38.2 30.8 46.2

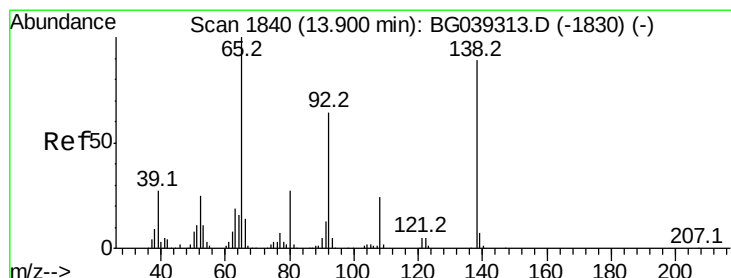
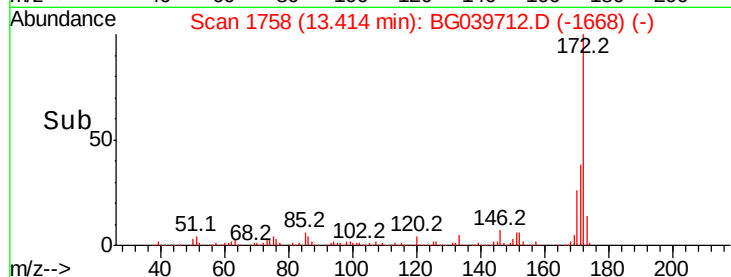
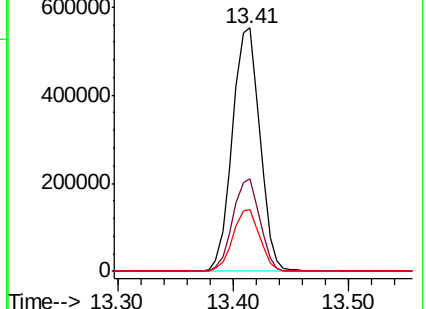
170 25.6 20.2 30.4



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: 8.870 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.47 min

Lab File: BG039712.D

Acq: 2 Mar 2019 7:27

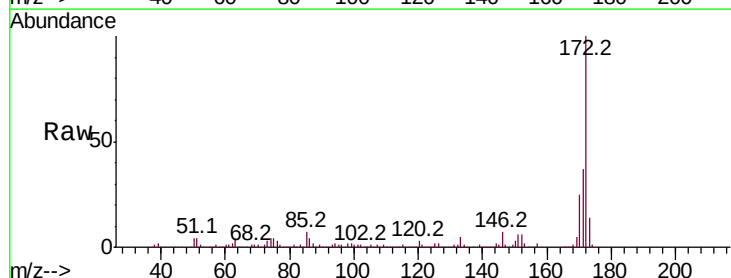
Tgt Ion: 65 Resp: 1816

Ion Ratio Lower Upper

65 100

92 205.1 51.4 77.2#

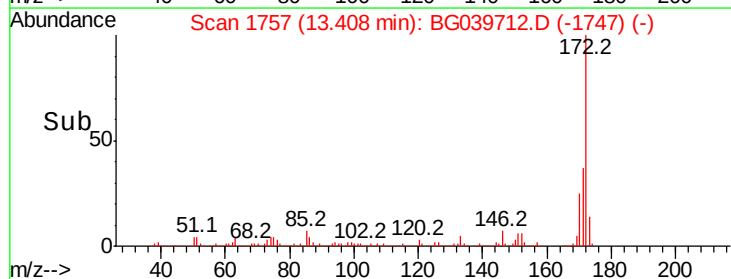
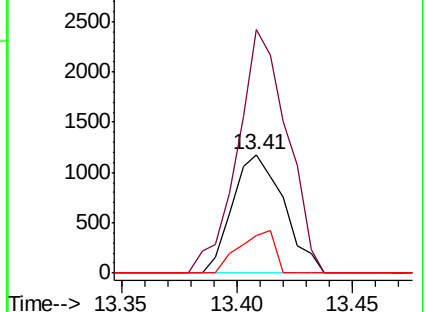
138 31.9 71.4 107.2#

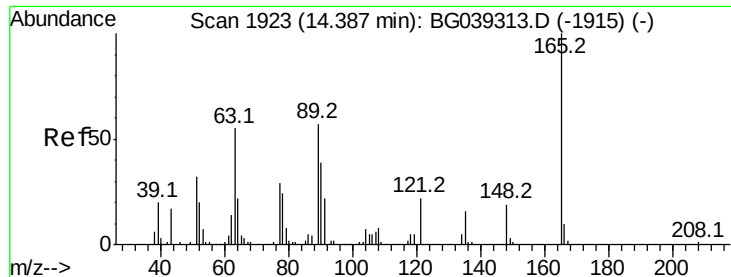


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#51

2,6-Dinitrotoluene

Concen: 14.056 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.42 min

Lab File: BG039712.D

Acq: 2 Mar 2019 7:27

Instrument :

BNA_G

ClientSampleId :

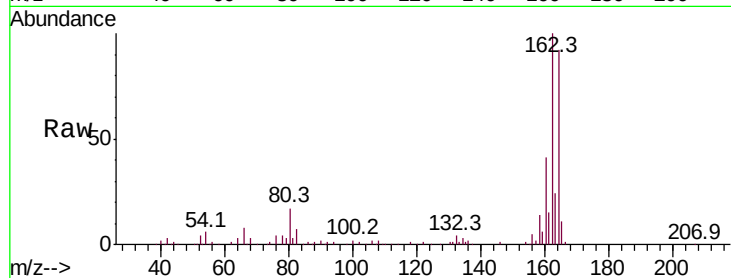
Tot Ion:165 Resp: 19073

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

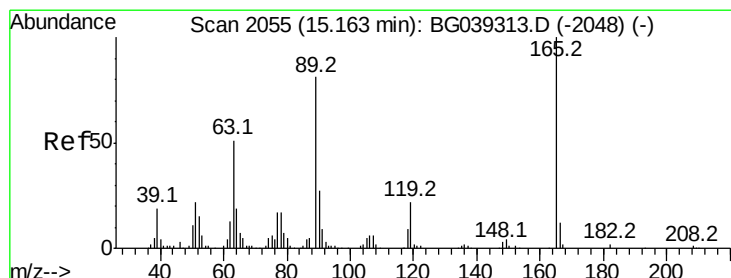
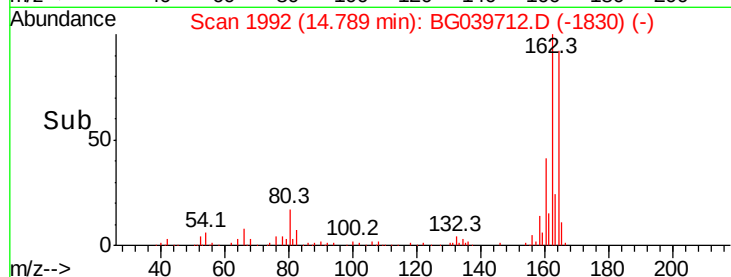
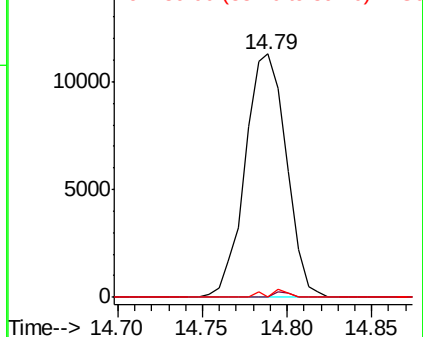
89 0.0 45.8 68.8#



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



#57

2,4-Dinitrotoluene

Concen: 13.499 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.36 min

Lab File: BG039712.D

Acq: 2 Mar 2019 7:27

Tgt Ion:165 Resp: 19073

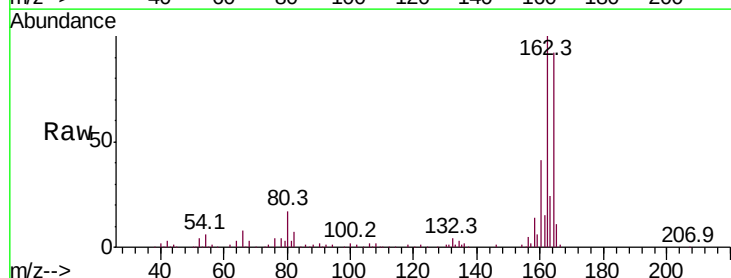
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#

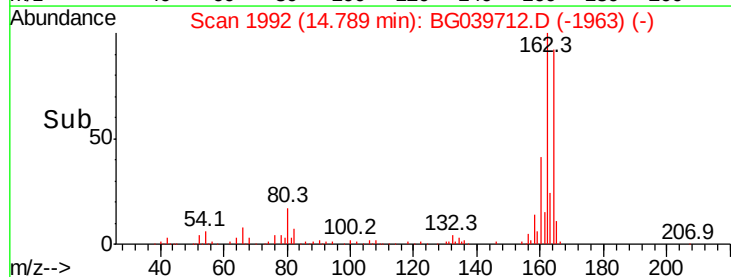
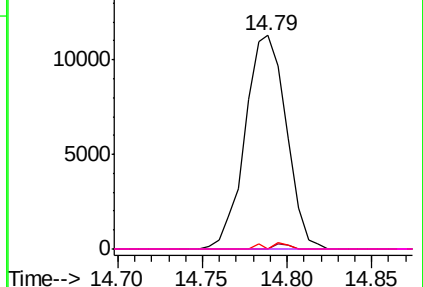


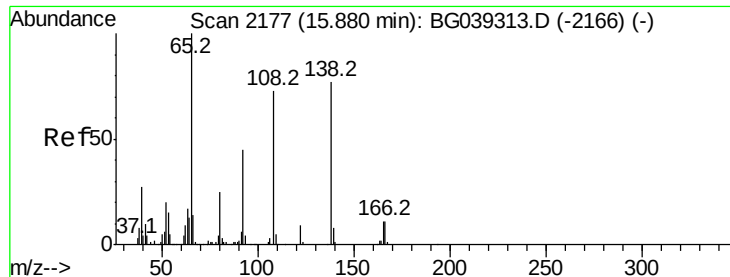
Abundance Ion 165.00 (164.70 to 165.70): E

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





#62

4-Nitroaniline

Concen: 4.223 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.41 min

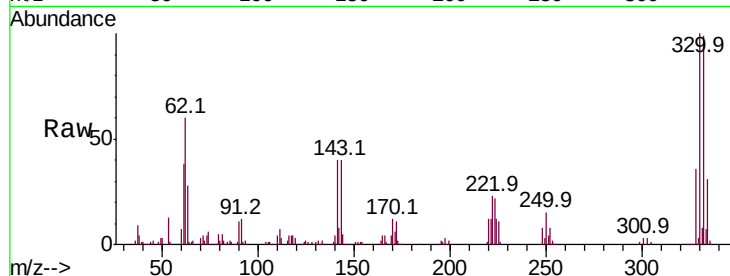
Lab File: BG039712.D

Acq: 2 Mar 2019 7:27

Instrument :

BNA_G

ClientSampled :



Tot Ion:138 Resp: 56

Ion Ratio Lower Upper

138 100

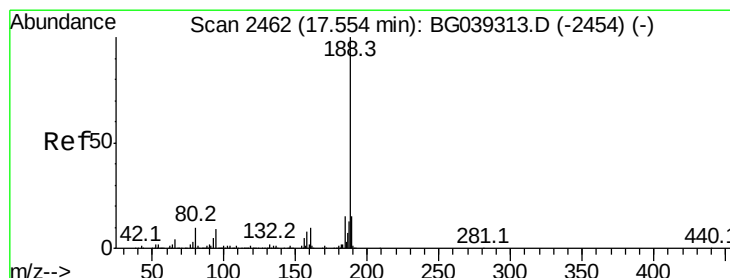
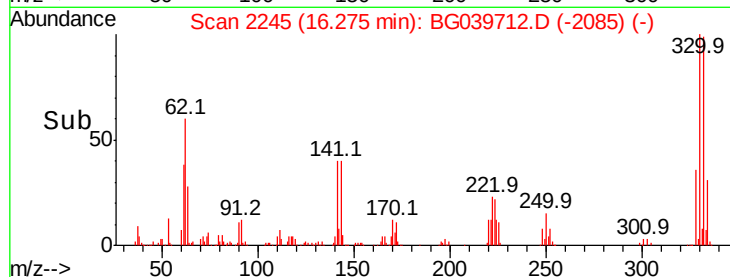
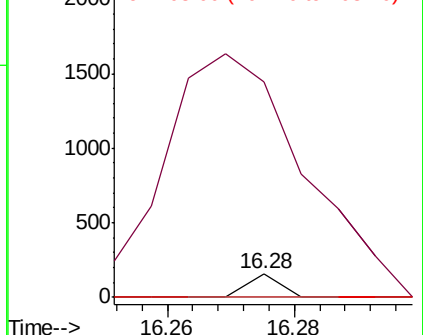
92 909.4 38.7 78.7#

108 0.0 74.6 114.6#

Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BG039712.D

Acq: 2 Mar 2019 7:27

Tgt Ion:188 Resp: 351799

Ion Ratio Lower Upper

188 100

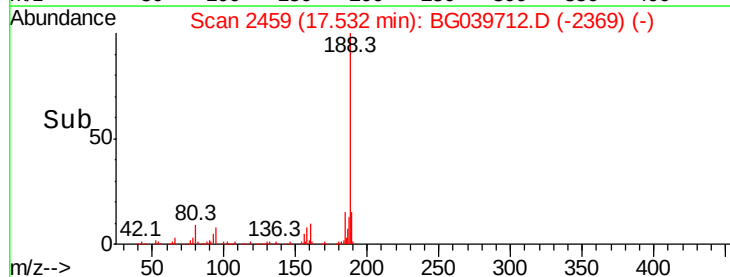
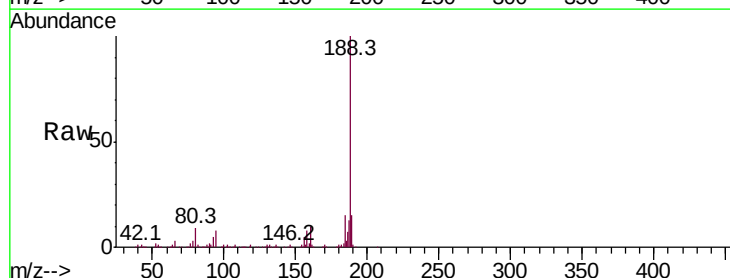
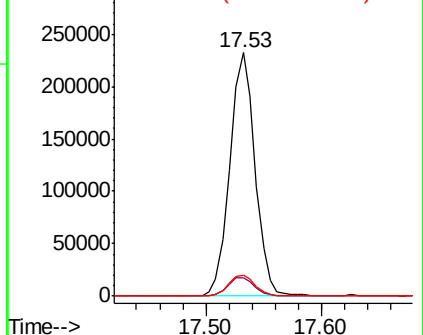
94 7.7 6.9 10.3

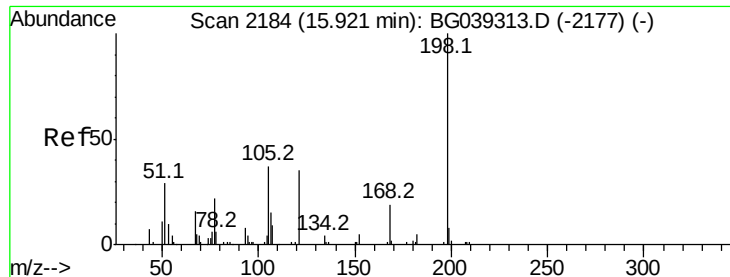
80 8.5 8.1 12.1

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

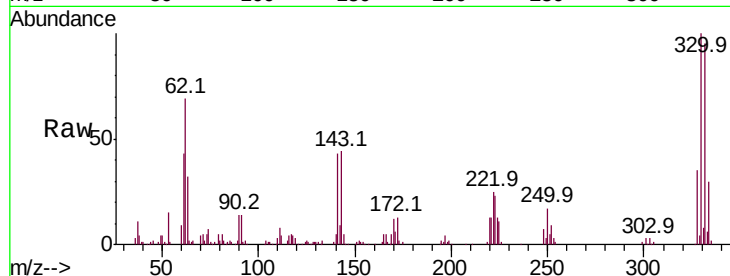




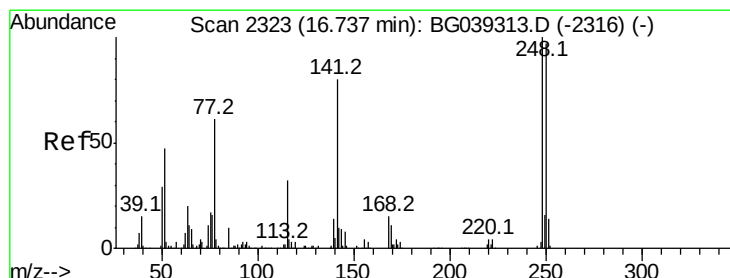
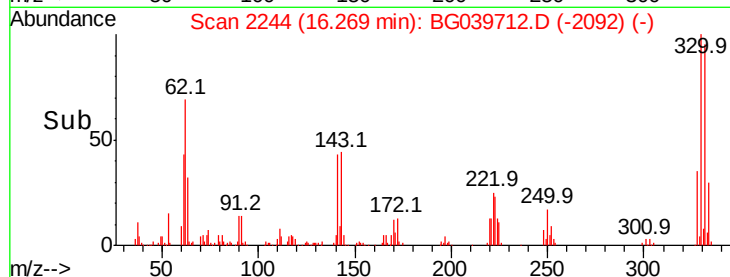
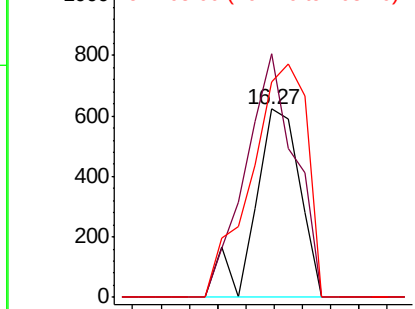
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.803 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. 0.36 min
 Lab File: BG039712.D
 Acq: 2 Mar 2019 7:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 689
 Ion Ratio Lower Upper
 198 100
 51 129.2 27.4 67.4#
 105 113.9 19.7 59.7#

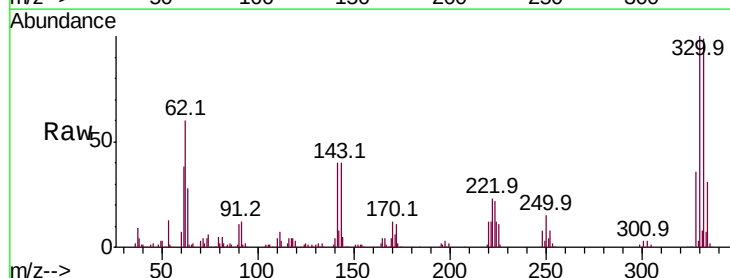


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

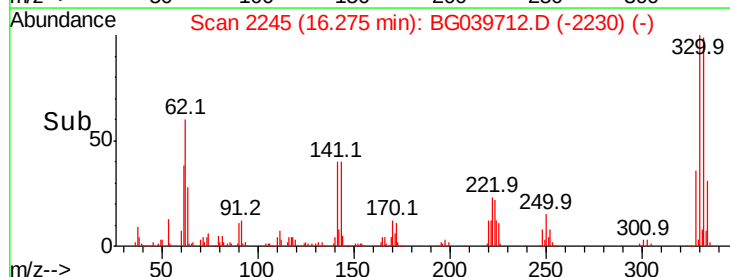
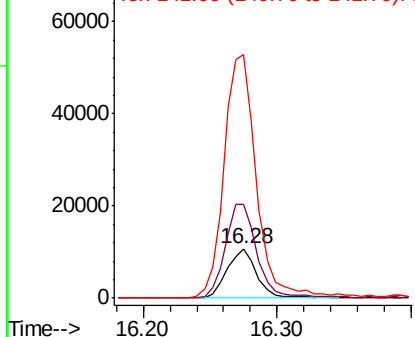


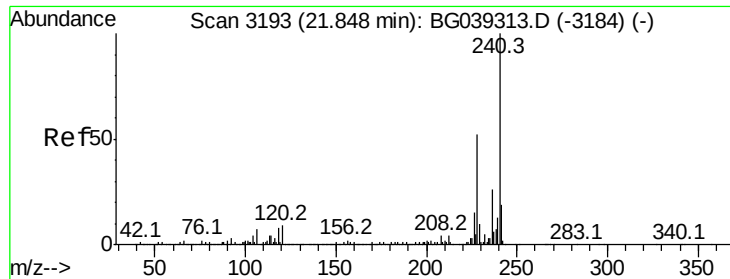
#67
 4-Bromophenyl-phenylether
 Concen: 4.246 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.44 min
 Lab File: BG039712.D
 Acq: 2 Mar 2019 7:27

Tgt Ion:248 Resp: 16570
 Ion Ratio Lower Upper
 248 100
 250 191.6 77.6 116.4#
 141 496.4 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

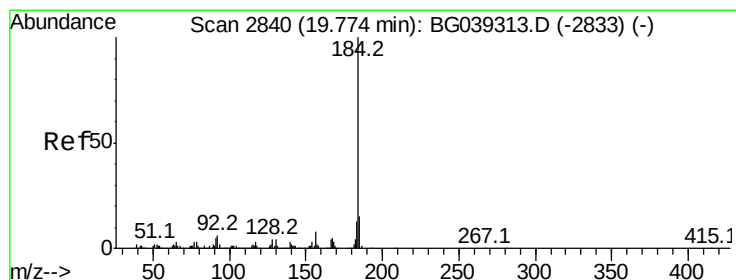
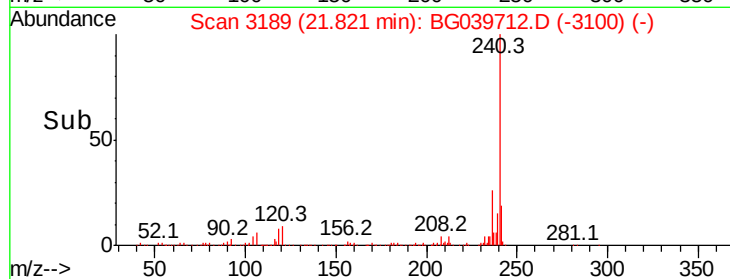
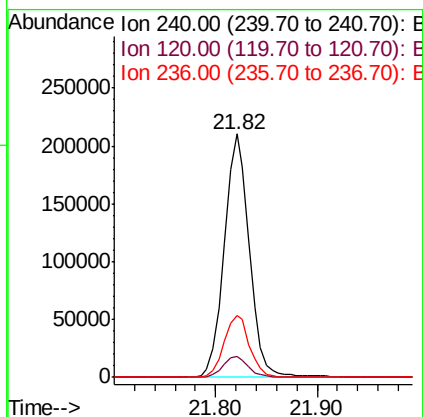
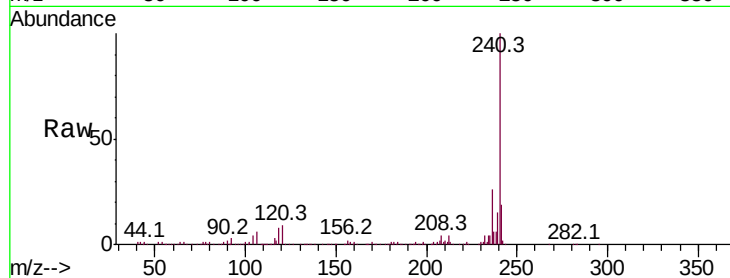




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3189
Delta R.T. -0.01 min
Lab File: BG039712.D
Acq: 2 Mar 2019 7:27

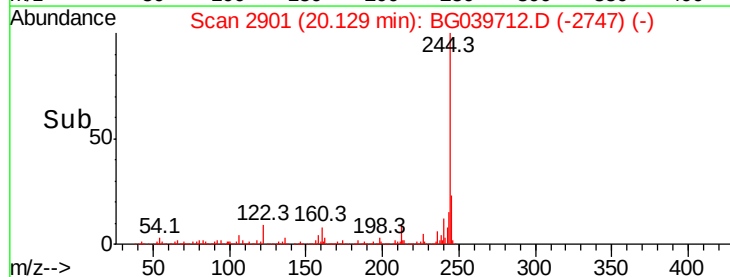
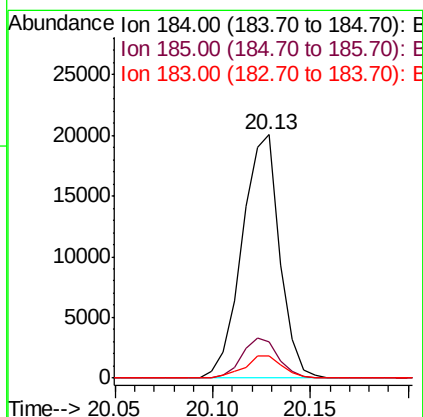
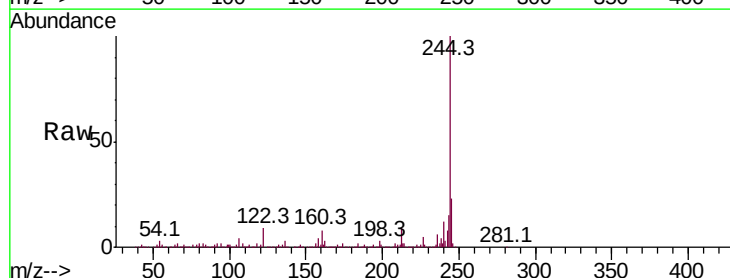
Instrument :
BNA_G
ClientSampled :

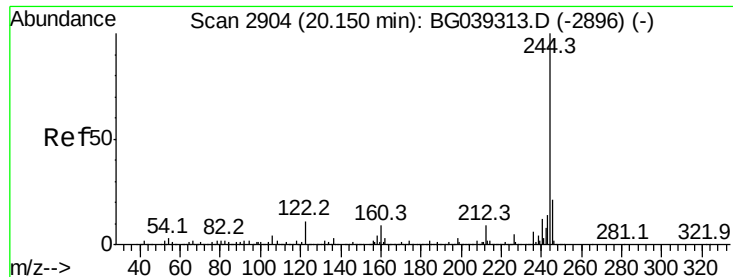
Tot Ion:240 Resp: 359881
Ion Ratio Lower Upper
240 100
120 8.5 7.0 10.6
236 25.6 21.0 31.4



#77
Benzidine
Concen: 2.262 ng
RT: 20.13 min Scan# 2901
Delta R.T. 0.37 min
Lab File: BG039712.D
Acq: 2 Mar 2019 7:27

Tgt Ion:184 Resp: 26692
Ion Ratio Lower Upper
184 100
185 14.7 12.2 18.2
183 9.2 10.6 15.8#



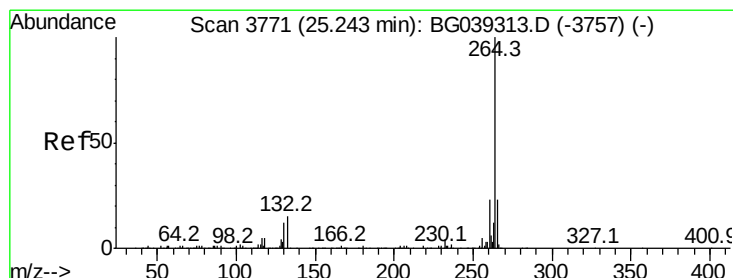
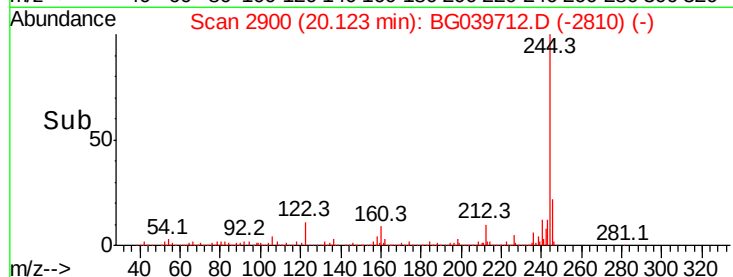
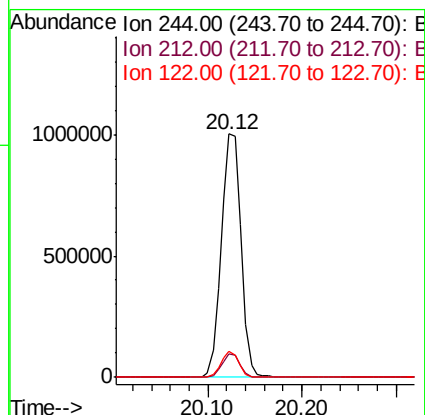
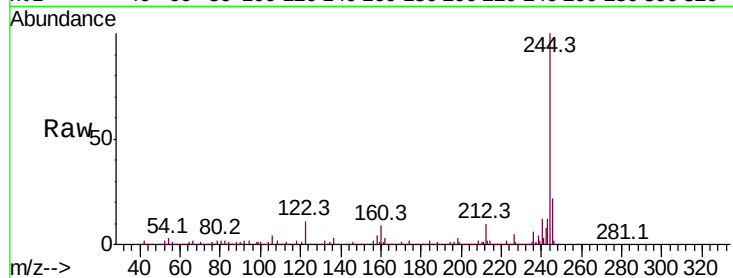


#79
 Terphenyl-d14
 Concen: 86.523 ng
 RT: 20.12 min Scan# 2900
 Delta R.T. -0.00 min
 Lab File: BG039712.D
 Acq: 2 Mar 2019 7:27

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1471078

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.3	10.9
122	10.7	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: BG039712.D
 Acq: 2 Mar 2019 7:27

Tgt Ion:264 Resp: 344816

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.2	27.4
265	21.9	18.5	27.7

