

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030119\
 Data File : BG039719.D
 Acq On : 2 Mar 2019 12:01
 Operator : JU/SJ
 Sample : K1675-40
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 03 23:49:14 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	55530	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	233014	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	141671	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	333808	20.00	ng	0.00
76) Chrysene-d12	21.82	240	350523	20.00	ng	0.00
87) Perylene-d12	25.19	264	325395	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	414519	127.76	ng	0.00
7) Phenol-d6	7.31	99	534862	111.99	ng	0.00
23) Nitrobenzene-d5	9.34	82	387520	103.89	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	180315	118.20	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	885942	89.71	ng	0.00
79) Terphenyl-d14	20.12	244	1364237	82.38	ng	0.00

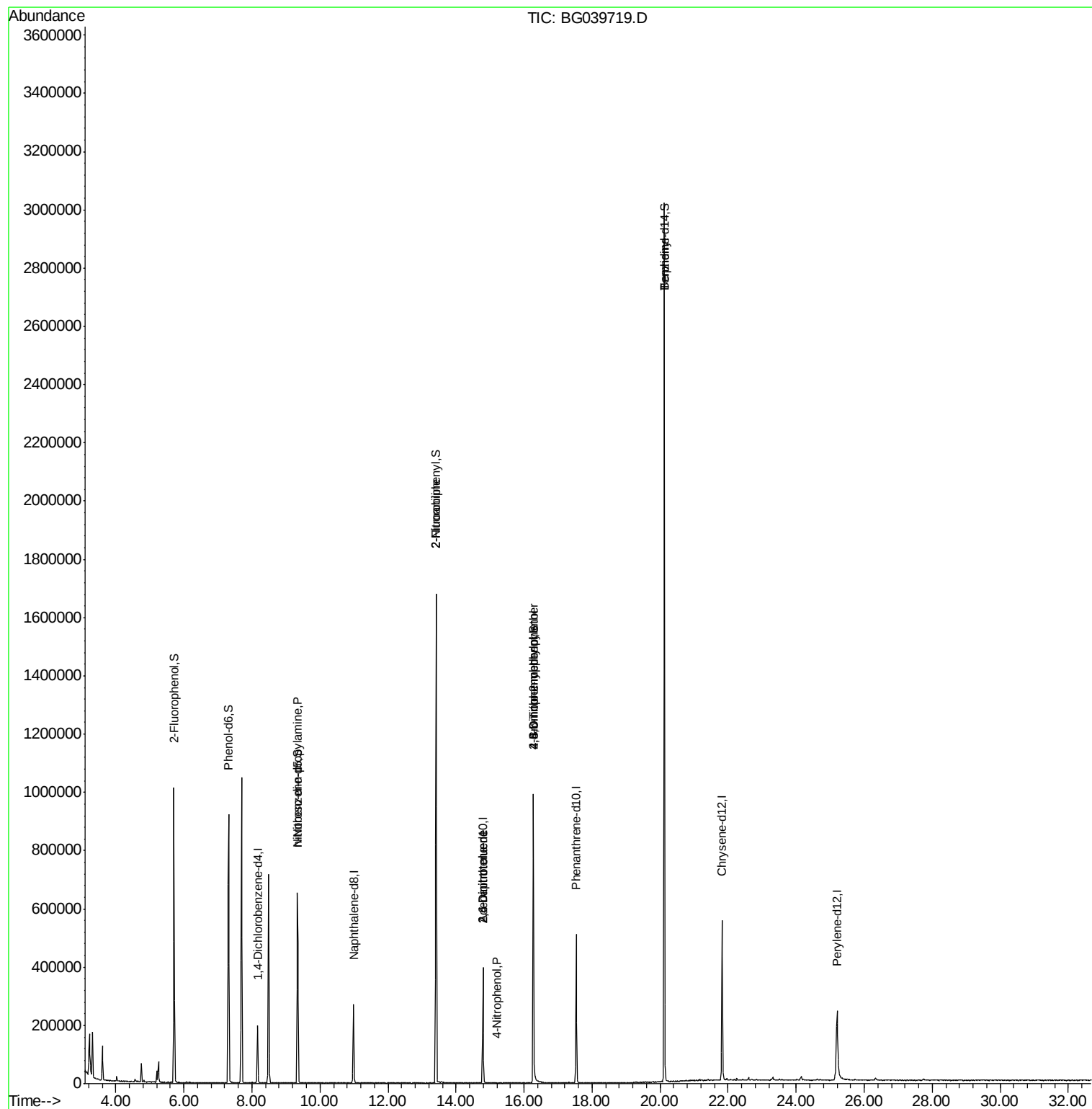
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1017	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	50728	14.965	ng	# 67
48) 2-Nitroaniline	13.41	65	1551	8.800	ng	# 1
51) 2,6-Dinitrotoluene	14.78	165	18197	13.906	ng	# 23
56) 4-Nitrophenol	15.20	139	62	5.822	ng	# 1
57) 2,4-Dinitrotoluene	14.78	165	18197	13.385	ng	# 18
65) 4,6-Dinitro-2-methylphenol	16.27	198	515	4.669	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	14659	3.958	ng	# 1
77) Benzidine	20.12	184	23919	2.081	ng	# 90

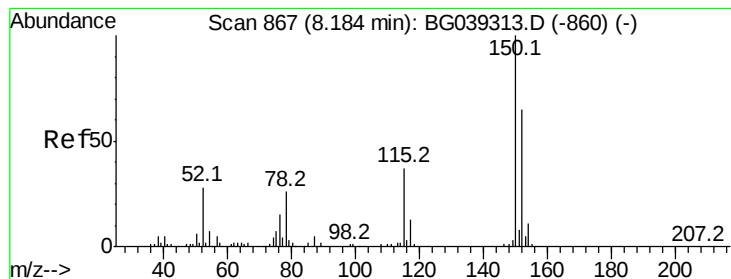
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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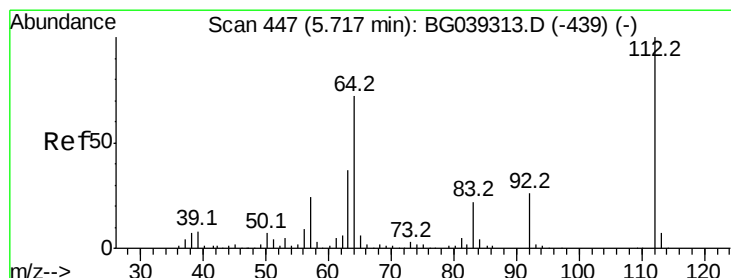
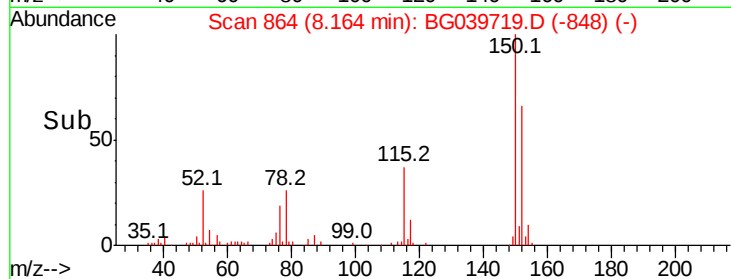
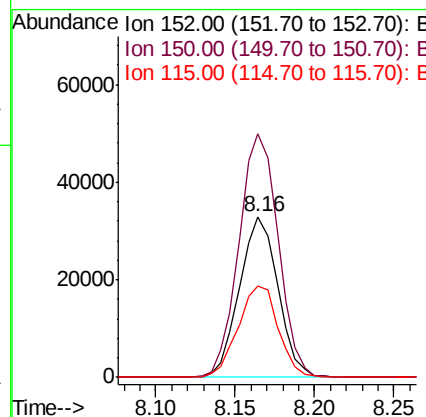
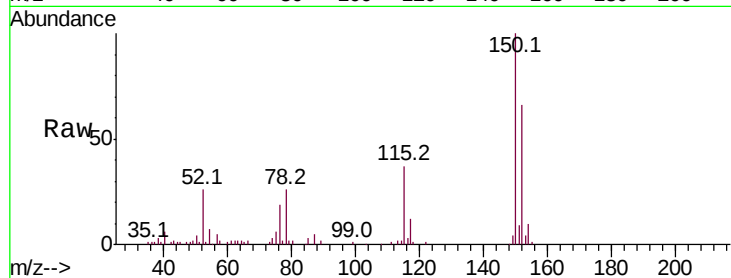




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.16 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: BG039719.D
 Acq: 2 Mar 2019 12:01

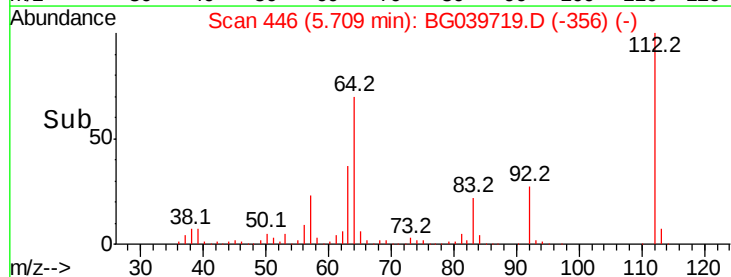
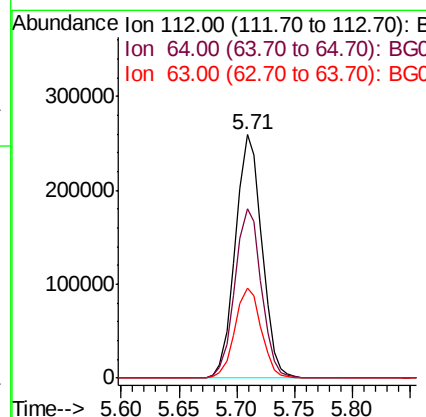
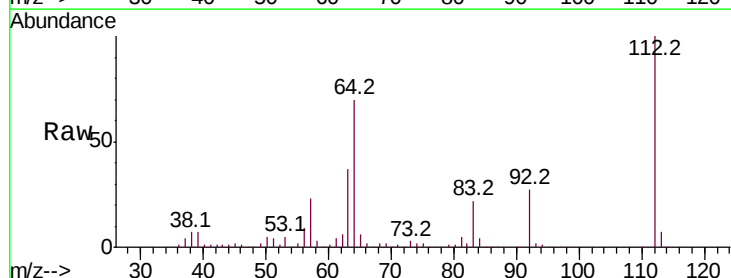
Instrument :
 BNA_G
 ClientSampleId :

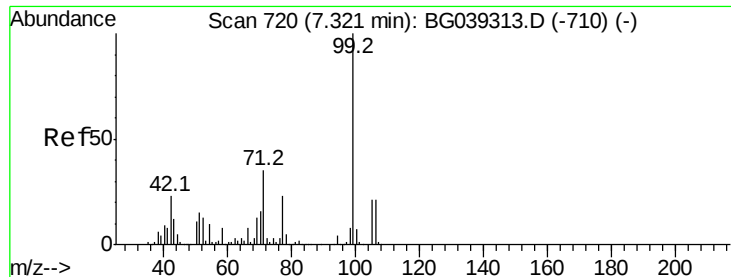
Tot Ion:152 Resp: 55530
 Ion Ratio Lower Upper
 152 100
 150 151.3 123.7 185.5
 115 56.7 45.9 68.9



#5
 2-Fluorophenol
 Concen: 127.760 ng
 RT: 5.71 min Scan# 446
 Delta R.T. 0.00 min
 Lab File: BG039719.D
 Acq: 2 Mar 2019 12:01

Tgt Ion:112 Resp: 414519
 Ion Ratio Lower Upper
 112 100
 64 69.7 57.8 86.8
 63 37.0 29.8 44.6





#7

Phenol-d6

Concen: 111.994 ng

RT: 7.31 min Scan# 719

Delta R.T. 0.00 min

Lab File: BG039719.D

Acq: 2 Mar 2019 12:01

Instrument :

BNA_G

ClientSampleId :

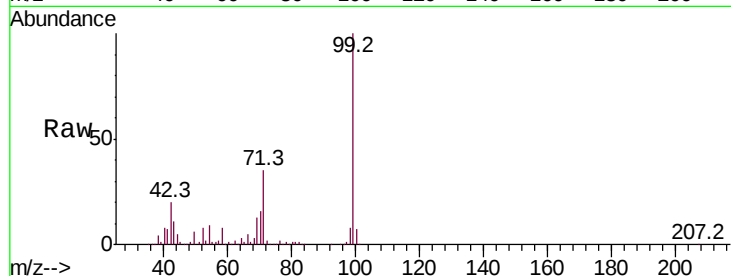
Tot Ion: 99 Resp: 534862

Ion Ratio Lower Upper

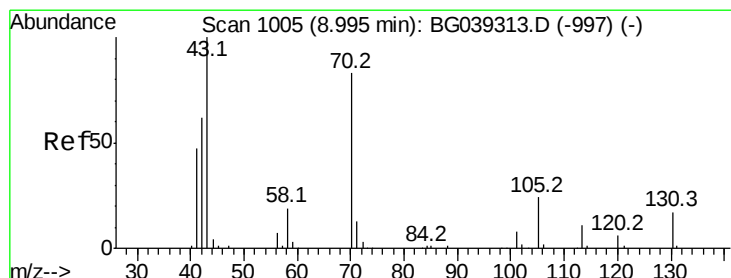
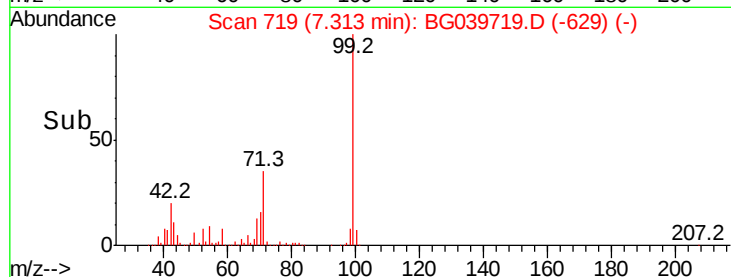
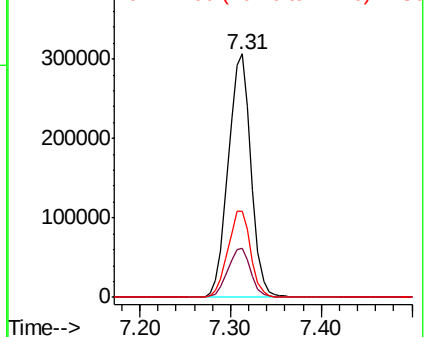
99 100

42 20.4 18.2 27.2

71 35.5 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: 14.965 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.37 min

Lab File: BG039719.D

Acq: 2 Mar 2019 12:01

Tgt Ion: 70 Resp: 50728

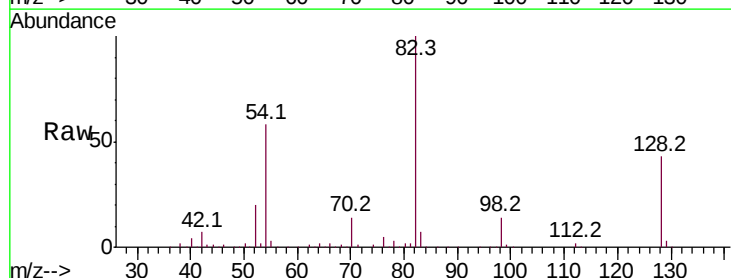
Ion Ratio Lower Upper

70 100

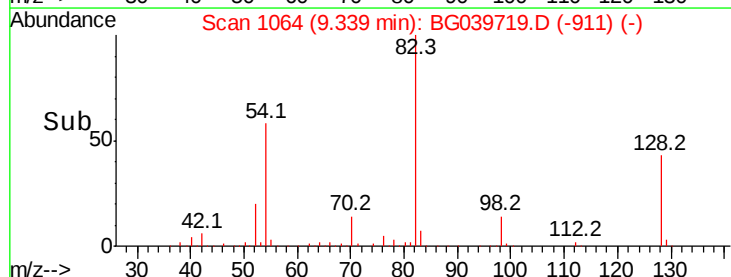
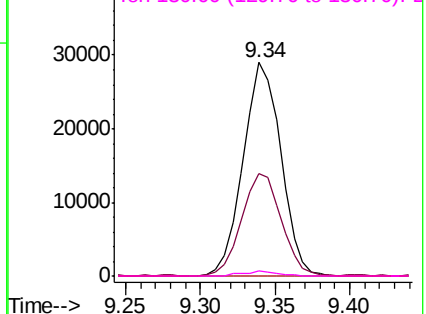
42 48.0 60.4 90.6#

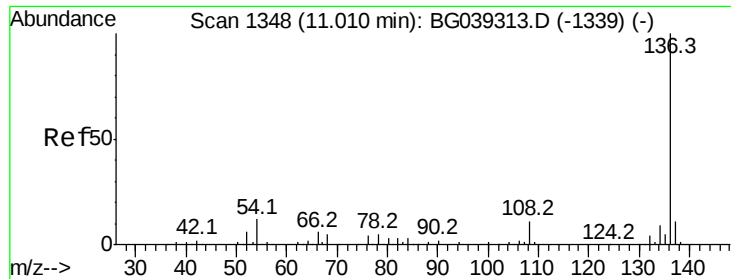
101 0.0 7.5 11.3#

130 2.2 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

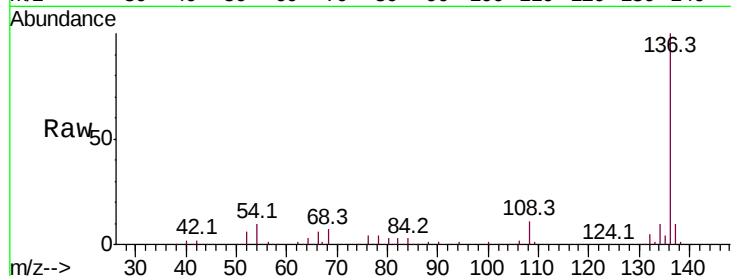




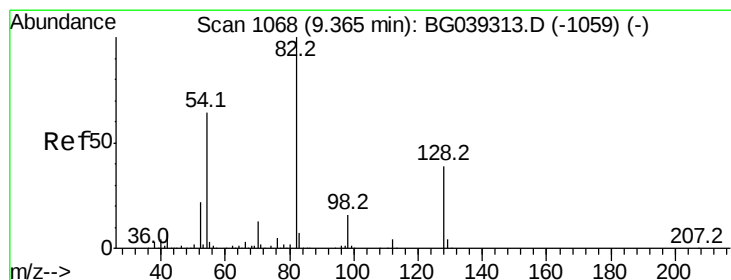
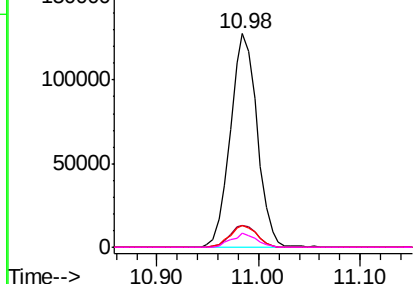
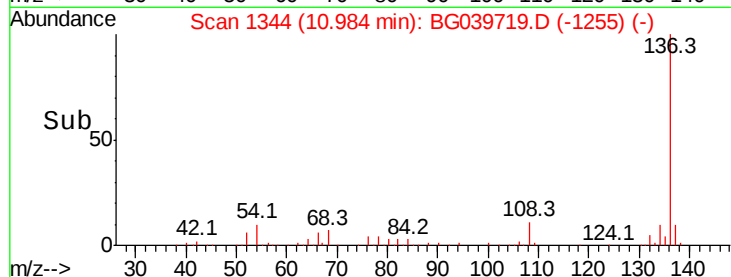
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BG039719.D
Acq: 2 Mar 2019 12:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	233014
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.1	13.7
54	10.2	9.4	14.2
68	6.8	4.2	6.4#

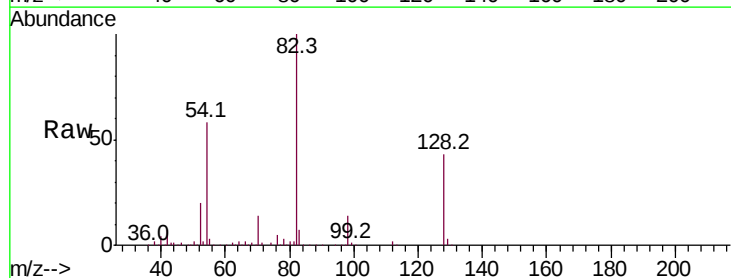


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

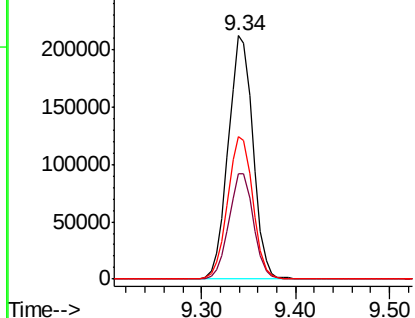
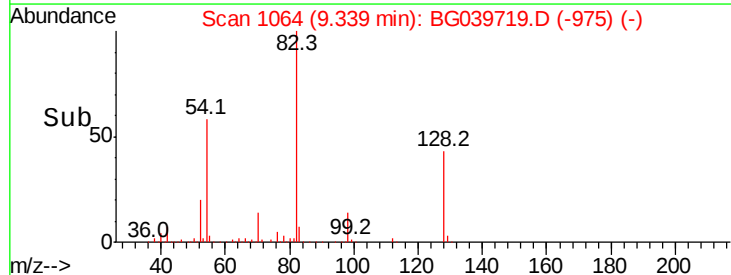


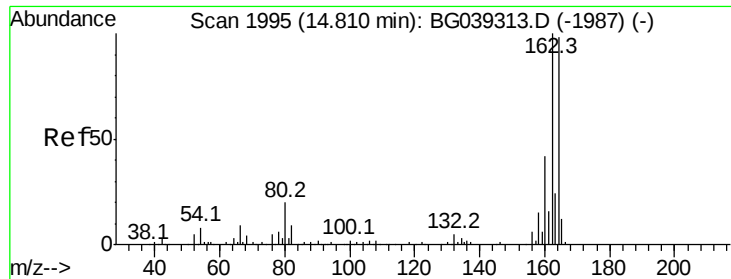
#23
Nitrobenzene-d5
Concen: 103.895 ng
RT: 9.34 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BG039719.D
Acq: 2 Mar 2019 12:01

Tgt Ion:	82	Resp:	387520
Ion	Ratio	Lower	Upper
82	100		
128	43.3	31.3	46.9
54	58.3	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: BG039719.D

Acq: 2 Mar 2019 12:01

Instrument :

BNA_G

ClientSampleId :

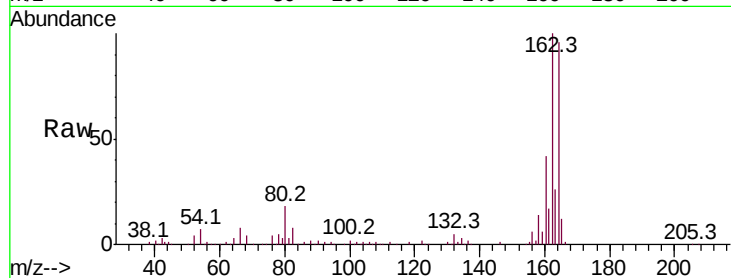
Tot Ion:164 Resp: 141671

Ion Ratio Lower Upper

164 100

162 104.2 81.6 122.4

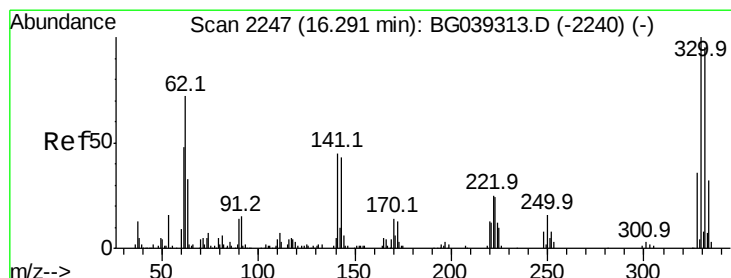
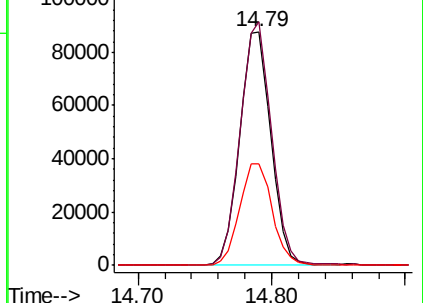
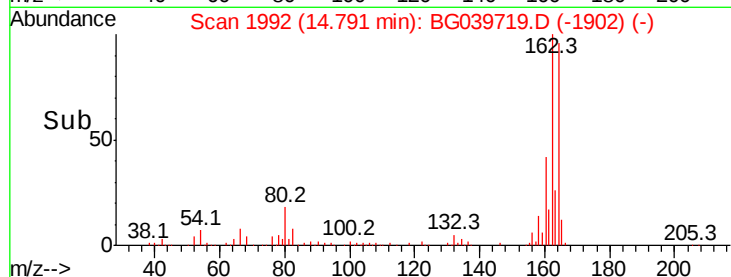
160 43.7 34.2 51.2



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: 118.196 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.00 min

Lab File: BG039719.D

Acq: 2 Mar 2019 12:01

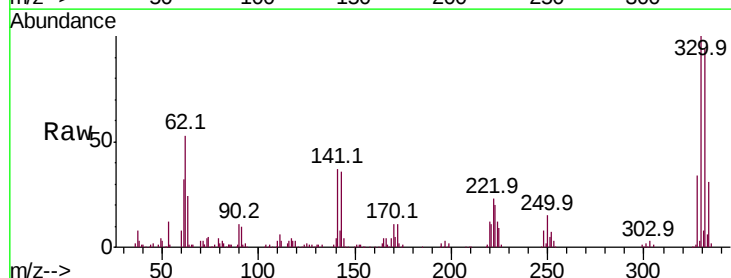
Tgt Ion:330 Resp: 180315

Ion Ratio Lower Upper

330 100

332 97.1 75.7 113.5

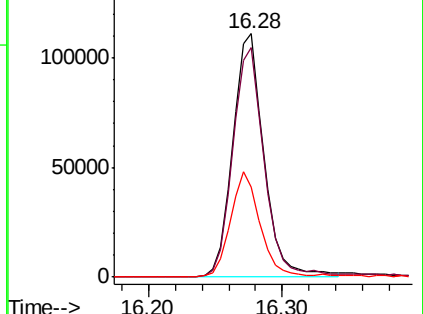
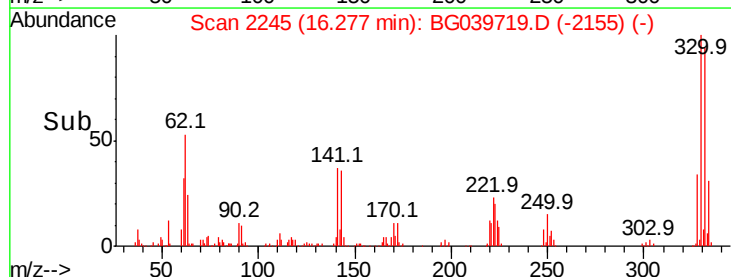
141 40.8 35.6 53.4

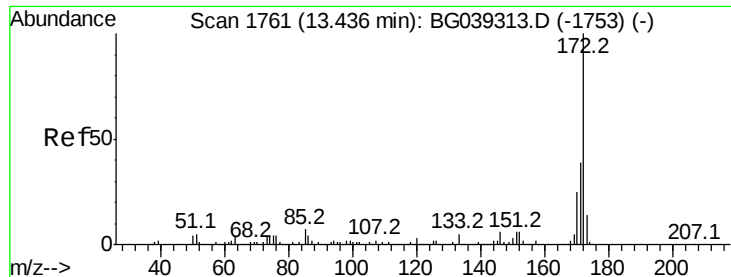


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

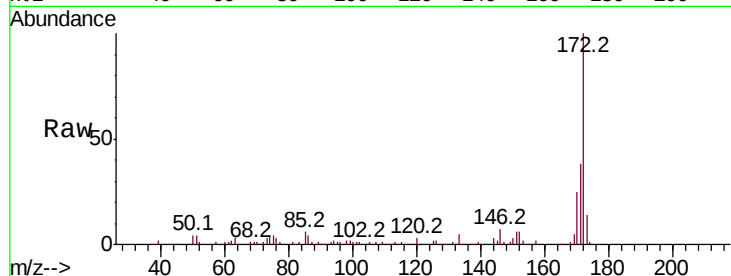




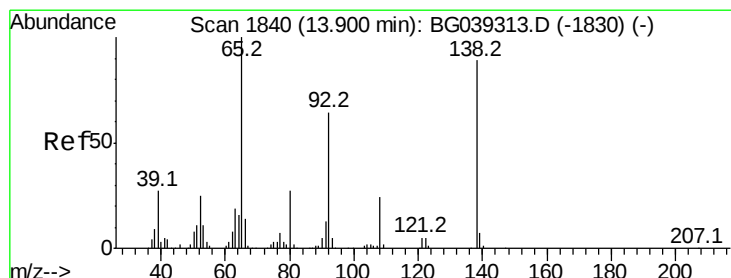
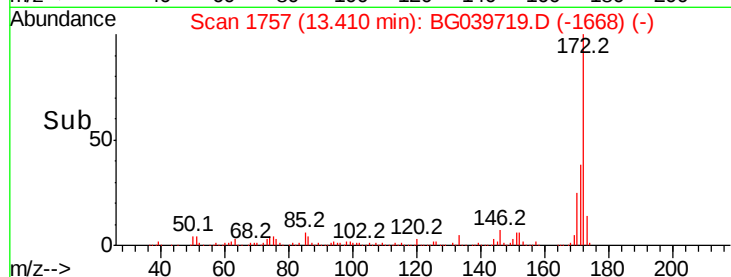
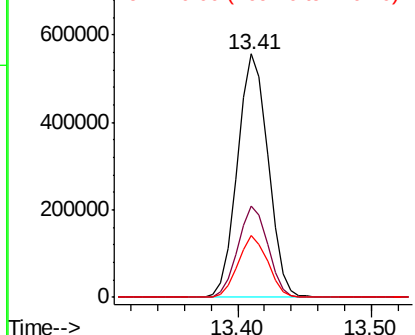
#45
2-Fluorobiphenyl
Concen: 89.710 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BG039719.D
Acq: 2 Mar 2019 12:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 885942
Ion Ratio Lower Upper
172 100
171 37.7 30.8 46.2
170 25.3 20.2 30.4

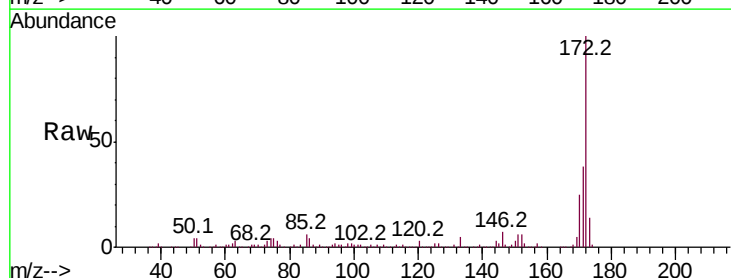


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

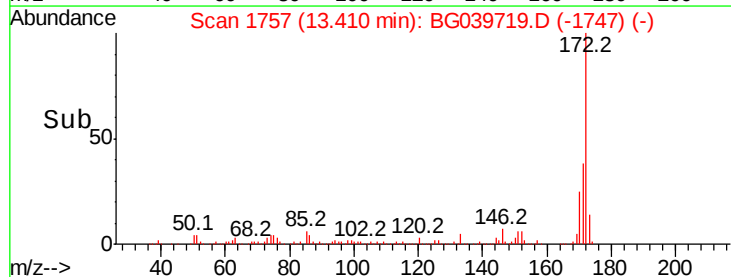
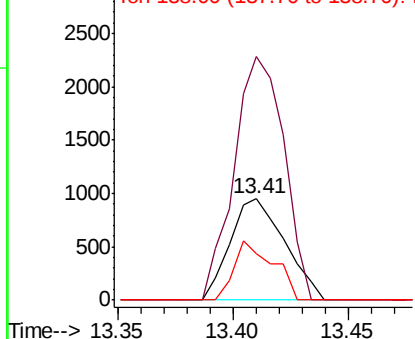


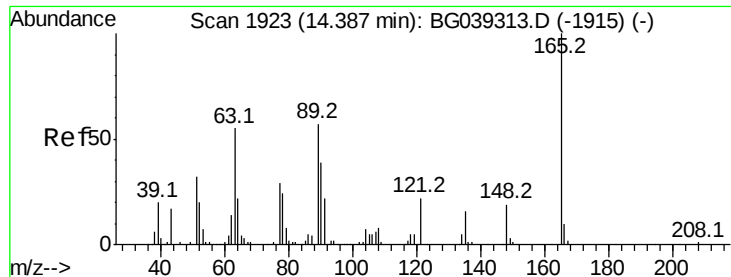
#48
2-Nitroaniline
Concen: 8.800 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.47 min
Lab File: BG039719.D
Acq: 2 Mar 2019 12:01

Tgt Ion: 65 Resp: 1551
Ion Ratio Lower Upper
65 100
92 240.4 51.4 77.2#
138 46.0 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: 13.906 ng

RT: 14.78 min Scan# 1991

Delta R.T. 0.42 min

Lab File: BG039719.D

Acq: 2 Mar 2019 12:01

Instrument :

BNA_G

ClientSampleId :

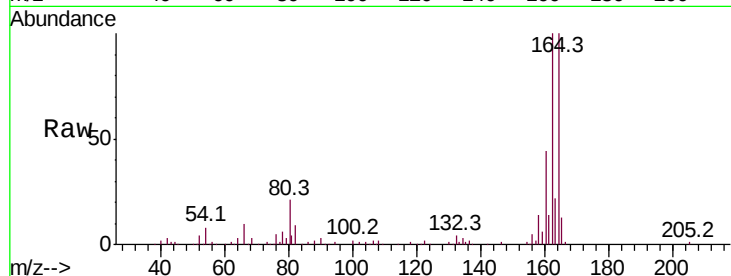
Tot Ion:165 Resp: 18197

Ion Ratio Lower Upper

165 100

63 2.1 47.0 70.6#

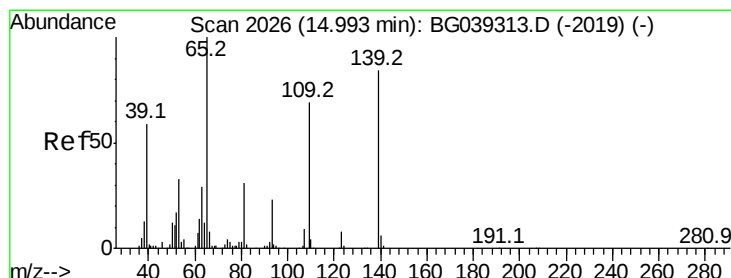
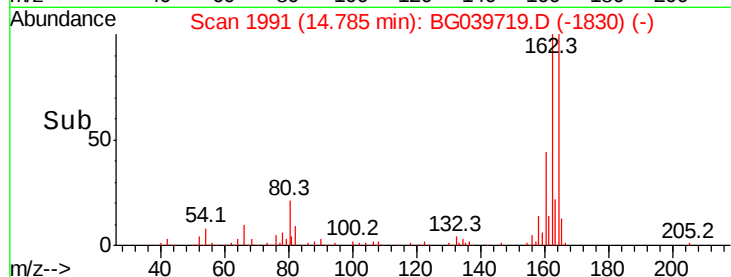
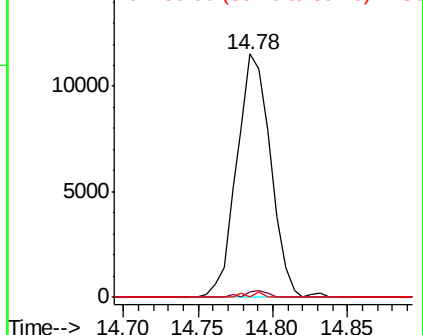
89 0.0 45.8 68.8#



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: 5.822 ng

RT: 15.20 min Scan# 2061

Delta R.T. 0.21 min

Lab File: BG039719.D

Acq: 2 Mar 2019 12:01

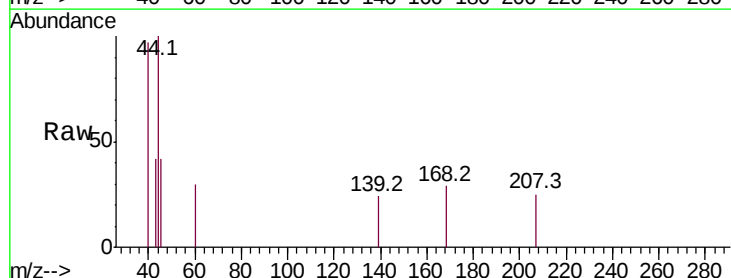
Tgt Ion:139 Resp: 62

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

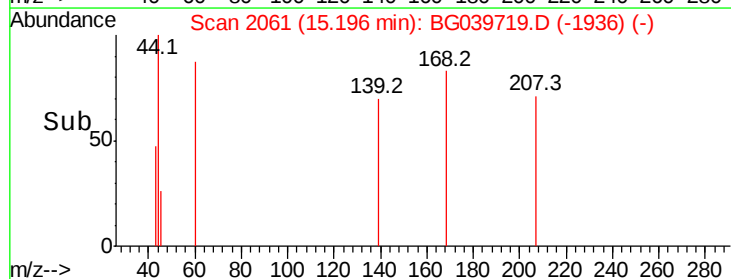
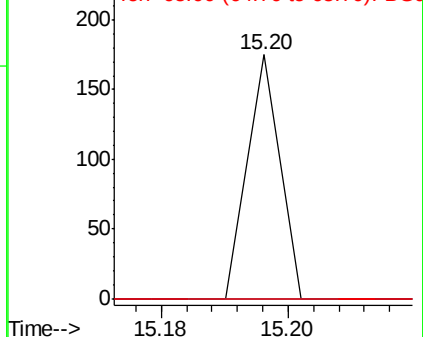
65 0.0 99.1 139.1#

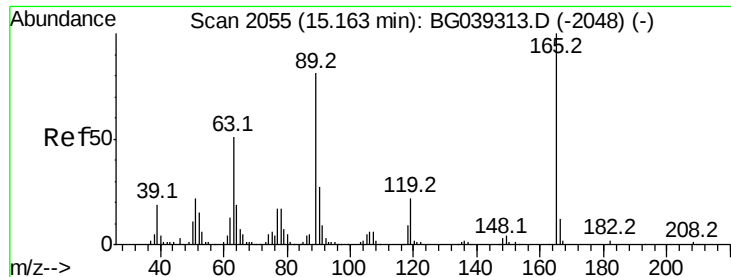


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

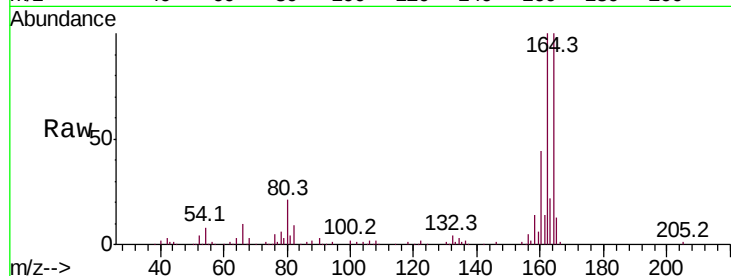




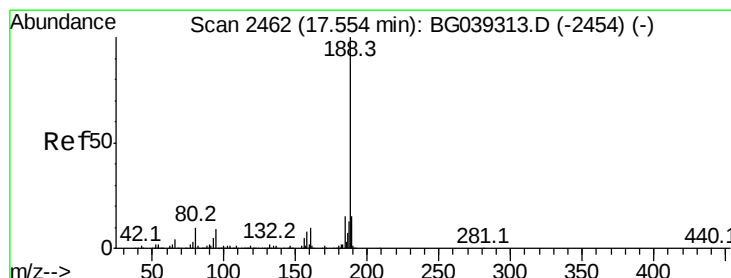
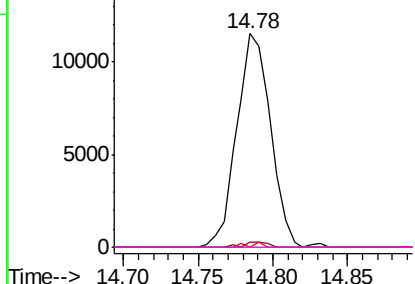
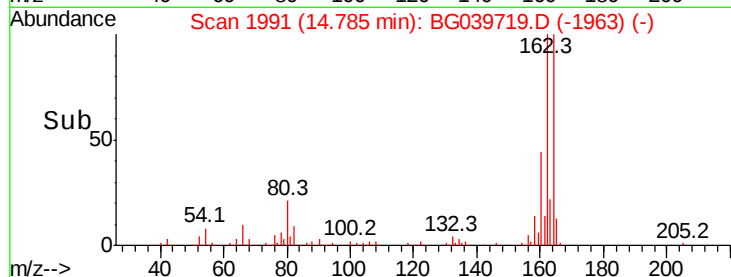
#57
 2,4-Dinitrotoluene
 Concen: 13.385 ng
 RT: 14.78 min Scan# 1991
 Delta R.T. -0.36 min
 Lab File: BG039719.D
 Acq: 2 Mar 2019 12:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 18197
 Ion Ratio Lower Upper
 165 100
 63 2.1 41.0 61.6#
 89 0.0 64.6 96.8#
 182 0.0 2.0 3.0#

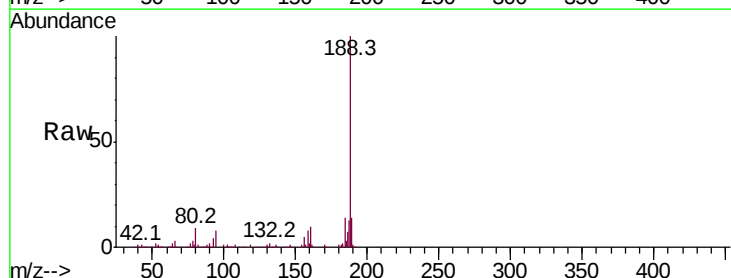


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

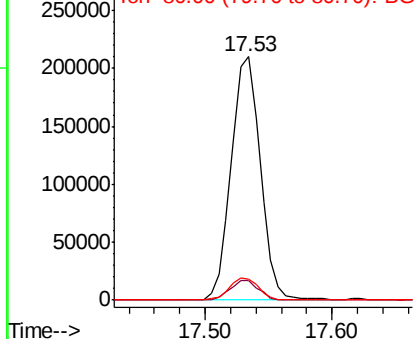
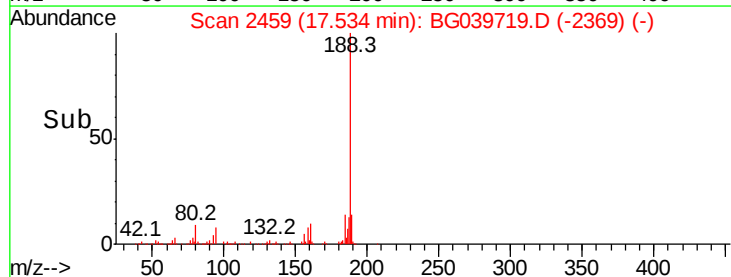


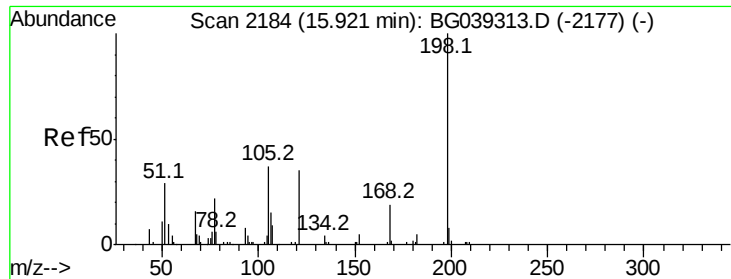
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.53 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: BG039719.D
 Acq: 2 Mar 2019 12:01

Tgt Ion:188 Resp: 333808
 Ion Ratio Lower Upper
 188 100
 94 8.2 6.9 10.3
 80 8.7 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: 4.669 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.36 min

Lab File: BG039719.D

Acq: 2 Mar 2019 12:01

Instrument :

BNA_G

ClientSampled :

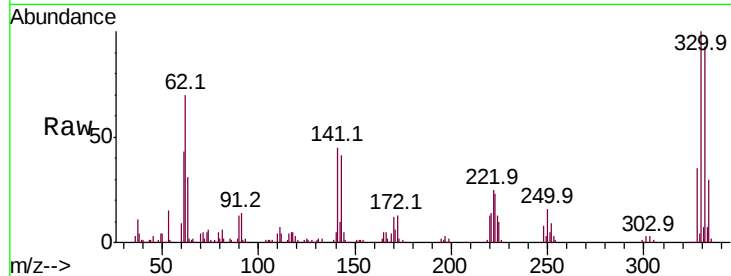
Tot Ion:198 Resp: 515

Ion Ratio Lower Upper

198 100

51 102.2 27.4 67.4#

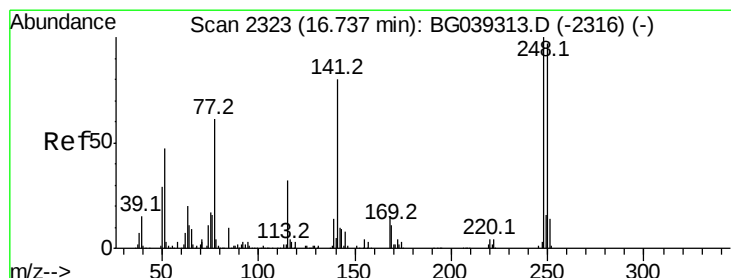
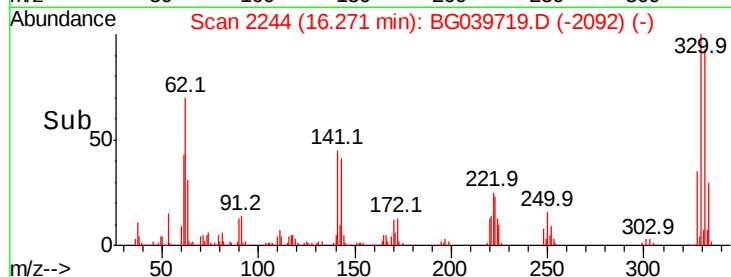
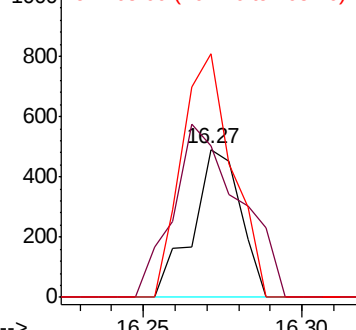
105 164.9 19.7 59.7#



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: 3.958 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.44 min

Lab File: BG039719.D

Acq: 2 Mar 2019 12:01

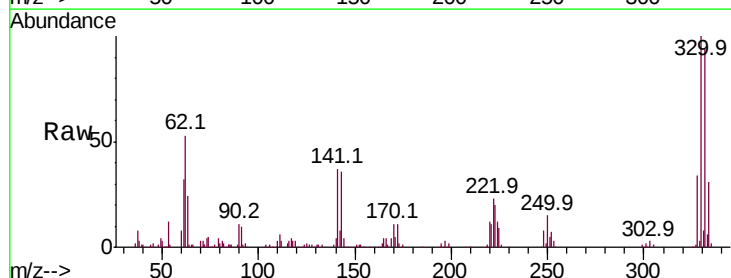
Tgt Ion:248 Resp: 14659

Ion Ratio Lower Upper

248 100

250 192.4 77.6 116.4#

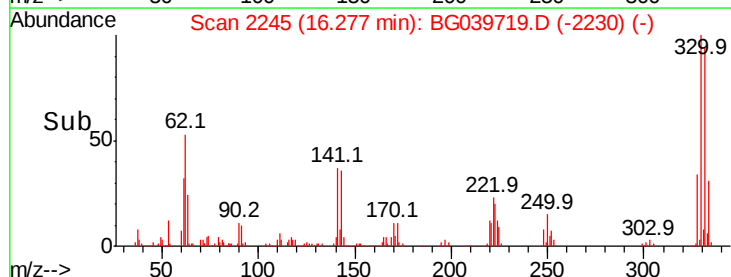
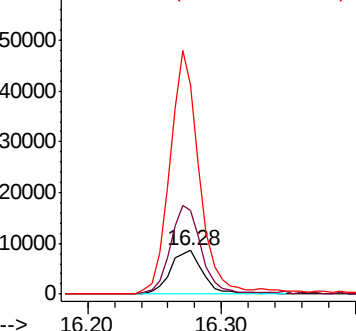
141 482.2 63.9 95.9#

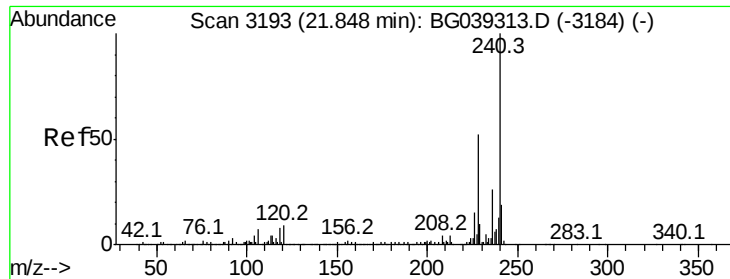


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

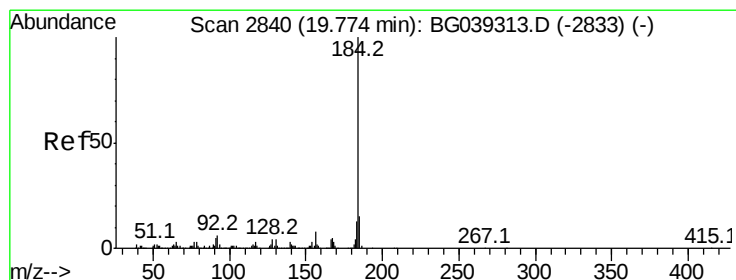
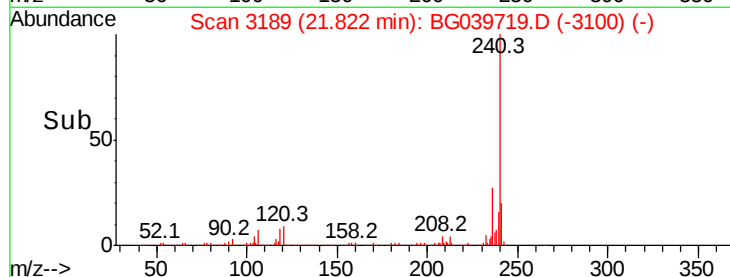
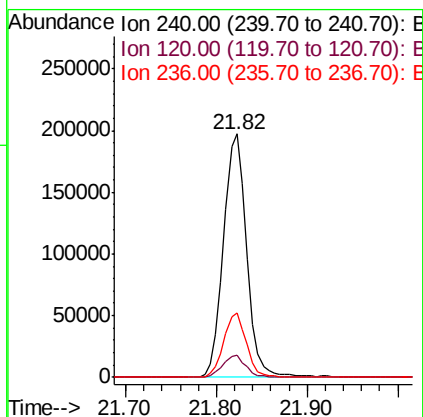
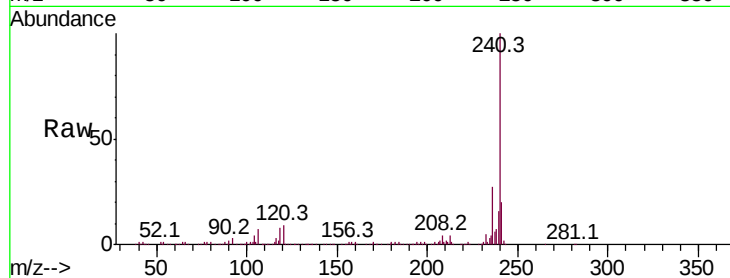




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3189
Delta R.T. -0.01 min
Lab File: BG039719.D
Acq: 2 Mar 2019 12:01

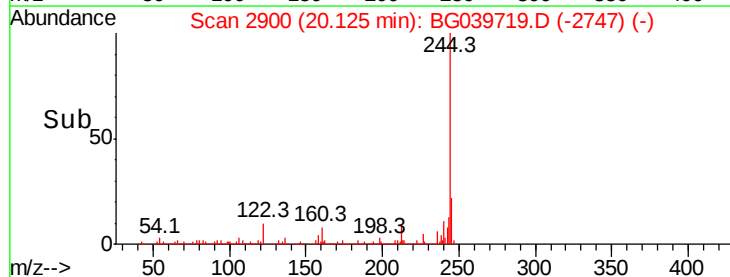
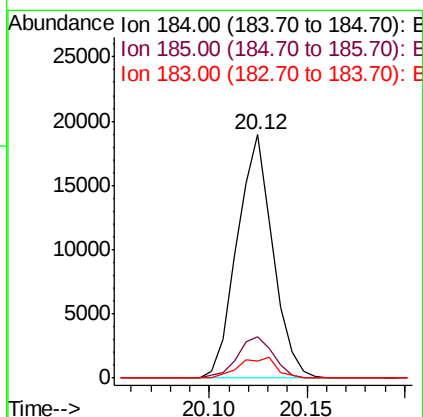
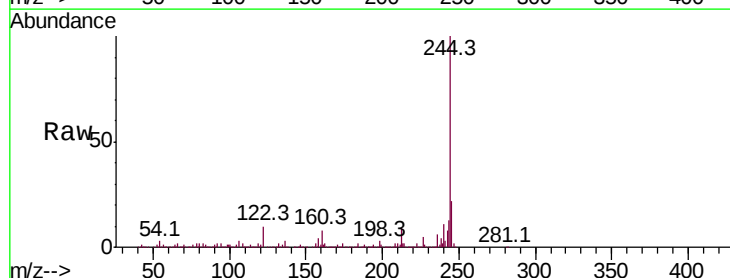
Instrument :
BNA_G
ClientSampleId :

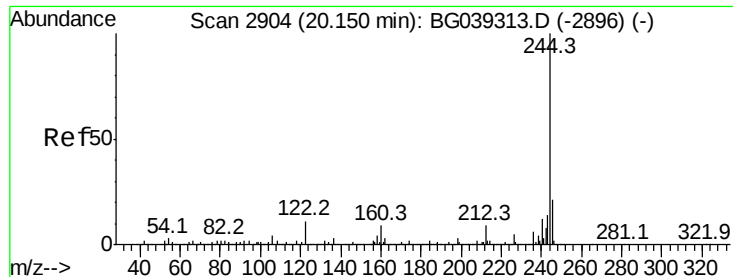
Tot Ion:240 Resp: 350523
Ion Ratio Lower Upper
240 100
120 9.0 7.0 10.6
236 26.5 21.0 31.4



#77
Benzidine
Concen: 2.081 ng
RT: 20.12 min Scan# 2900
Delta R.T. 0.37 min
Lab File: BG039719.D
Acq: 2 Mar 2019 12:01

Tgt Ion:184 Resp: 23919
Ion Ratio Lower Upper
184 100
185 17.2 12.2 18.2
183 7.0 10.6 15.8#



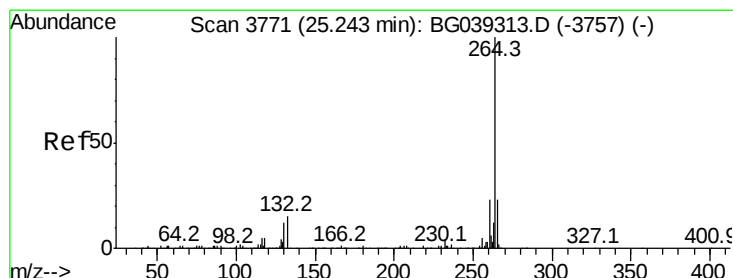
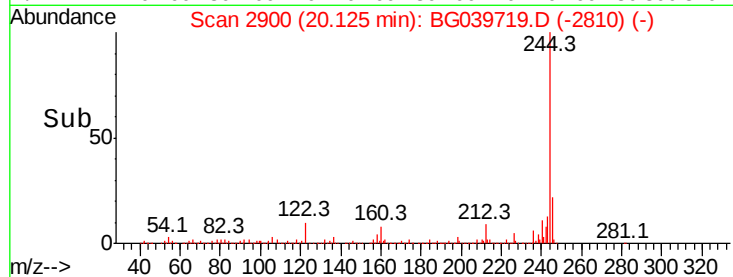
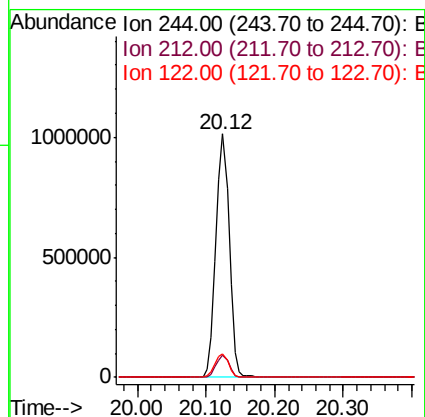
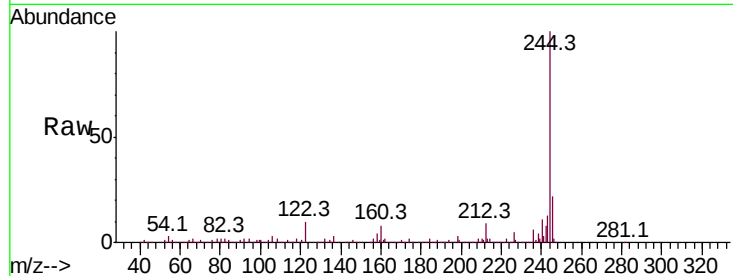


#79
 Terphenyl-d14
 Concen: 82.382 ng
 RT: 20.12 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: BG039719.D
 Acq: 2 Mar 2019 12:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1364237

Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.3	10.9
122	9.8	8.4	12.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.19 min Scan# 3763
 Delta R.T. -0.01 min
 Lab File: BG039719.D
 Acq: 2 Mar 2019 12:01

Tgt Ion:264 Resp: 325395

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.2	27.4
265	19.8	18.5	27.7

