

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030119\
 Data File : BG039715.D
 Acq On : 2 Mar 2019 9:25
 Operator : JU/SJ
 Sample : K1675-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 03 23:48:34 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	8.17	152	49852	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	211647	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	136581	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	333028	20.00	ng	0.00
76) Chrysene-d12	21.82	240	342125	20.00	ng	0.00
87) Perylene-d12	25.20	264	325010	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	412934	141.77	ng	0.00
7) Phenol-d6	7.31	99	541985	126.41	ng	0.00
23) Nitrobenzene-d5	9.34	82	385606	113.82	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	204496	139.04	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	888145	93.28	ng	0.00
79) Terphenyl-d14	20.13	244	1437979	88.97	ng	0.00

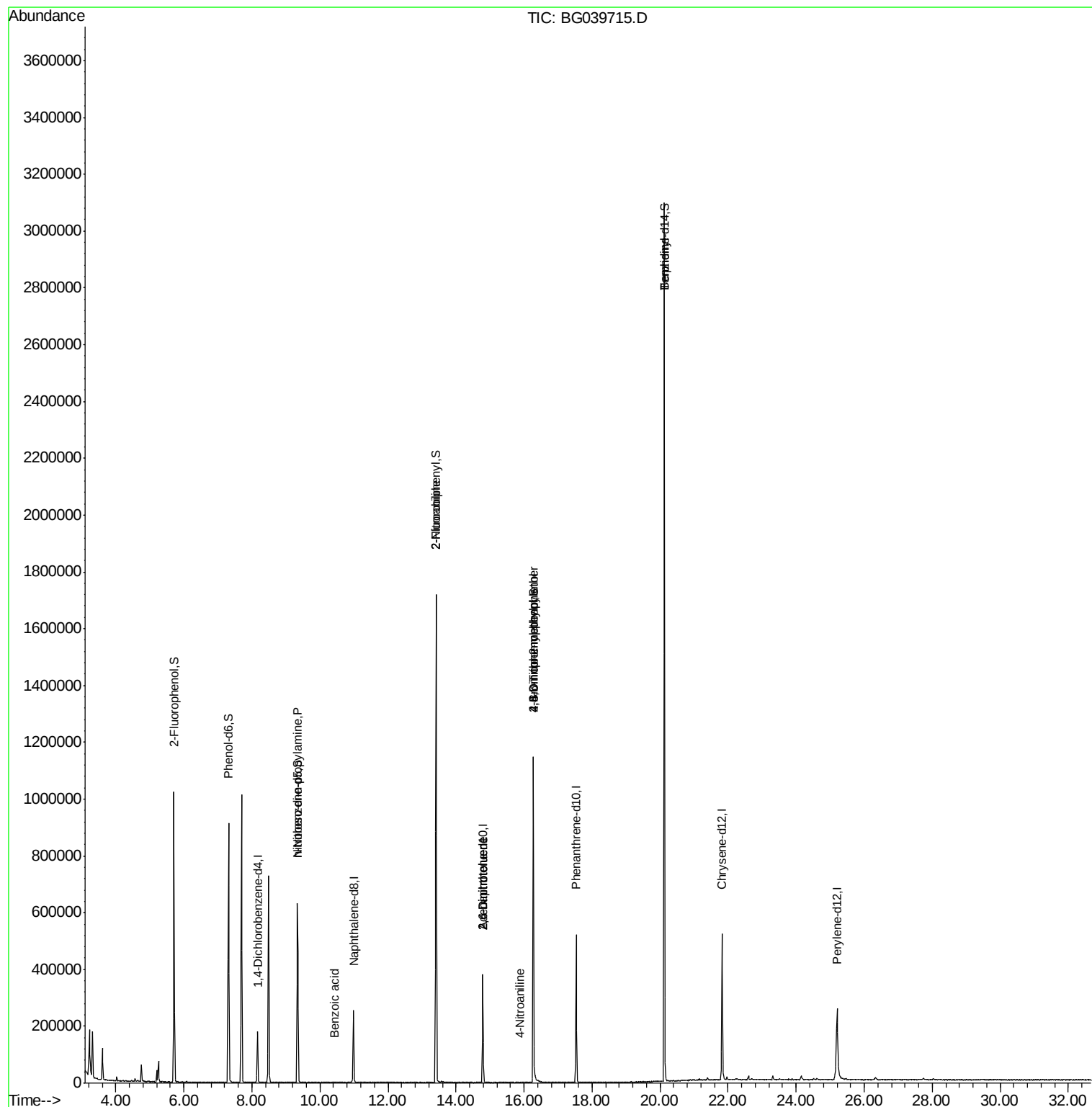
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	978	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	49500	16.266	ng	# 69
32) Benzoic acid	10.42	122	65	9.048	ng	# 1
48) 2-Nitroaniline	13.41	65	1514	8.806	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	17544	13.906	ng	# 22
57) 2,4-Dinitrotoluene	14.79	165	17544	13.386	ng	# 17
62) 4-Nitroaniline	15.88	138	53	4.223	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.27	198	668	4.818	ng	# 1
67) 4-Bromophenyl-phenylether	16.27	248	16032	4.339	ng	# 1
77) Benzidine	20.13	184	25492	2.273	ng	97

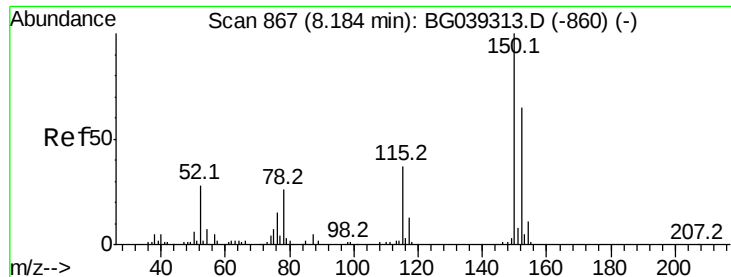
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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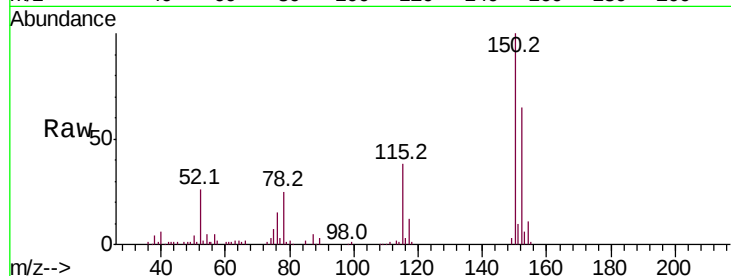


#1

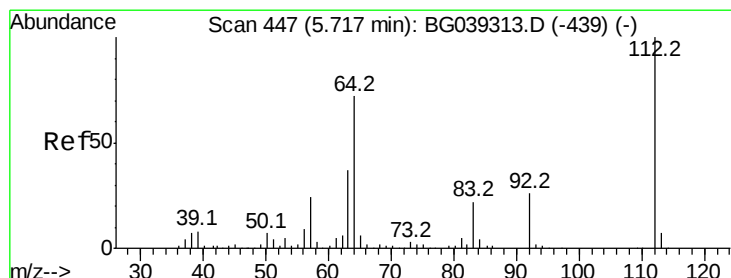
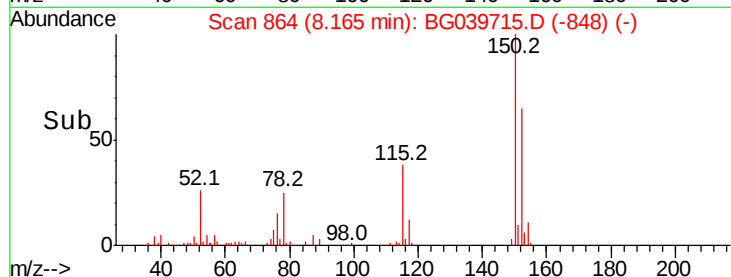
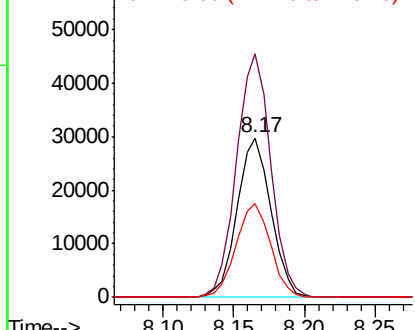
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: BG039715.D
Acq: 2 Mar 2019 9:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	123.7	185.5
115	58.6	45.9	68.9



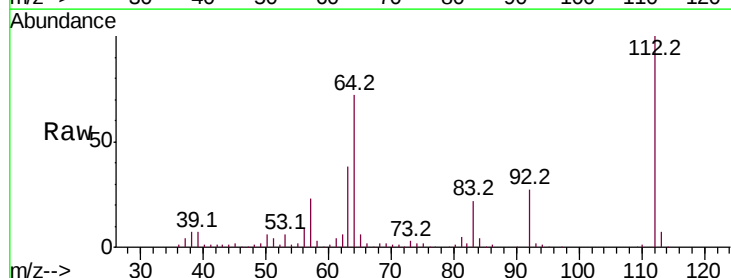
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



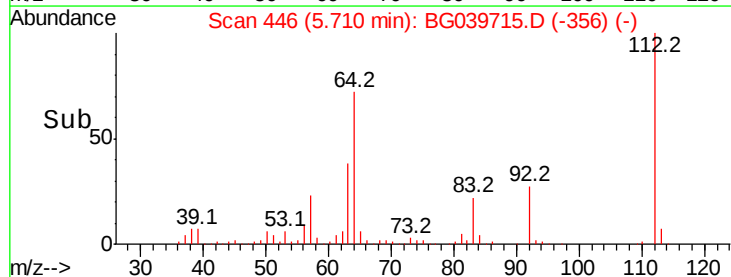
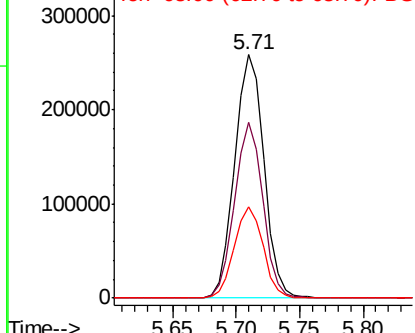
#5

2-Fluorophenol
Concen: 141.768 ng
RT: 5.71 min Scan# 446
Delta R.T. 0.00 min
Lab File: BG039715.D
Acq: 2 Mar 2019 9:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.4	57.8	86.8
63	37.6	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: 126.411 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039715.D

Acq: 2 Mar 2019 9:25

Instrument :

BNA_G

ClientSampleId :

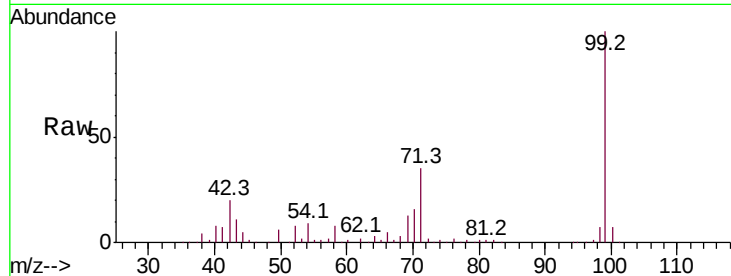
Tot Ion: 99 Resp: 541985

Ion Ratio Lower Upper

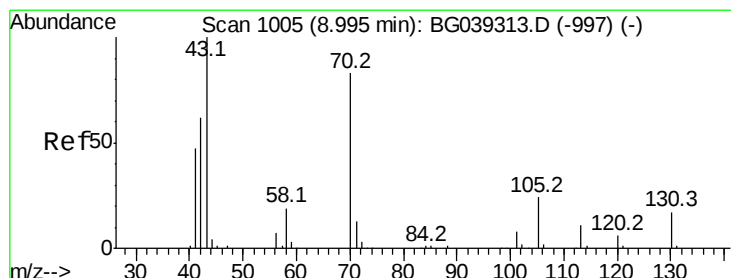
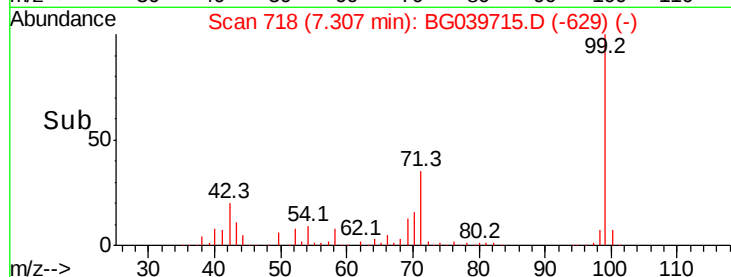
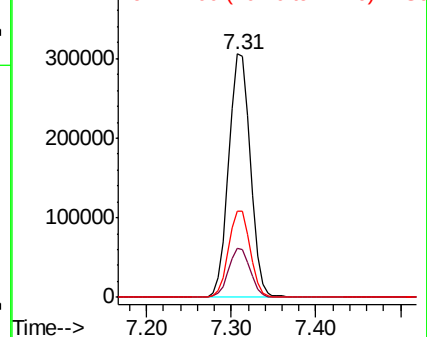
99 100

42 20.0 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: 16.266 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.37 min

Lab File: BG039715.D

Acq: 2 Mar 2019 9:25

Tgt Ion: 70 Resp: 49500

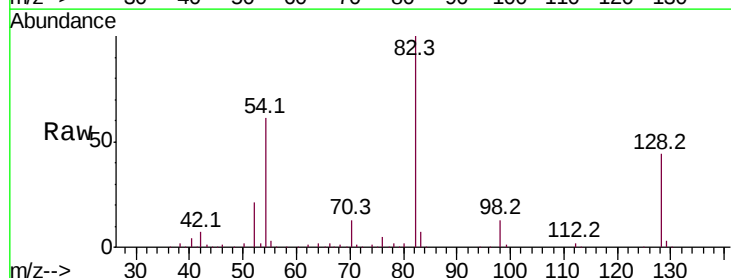
Ion Ratio Lower Upper

70 100

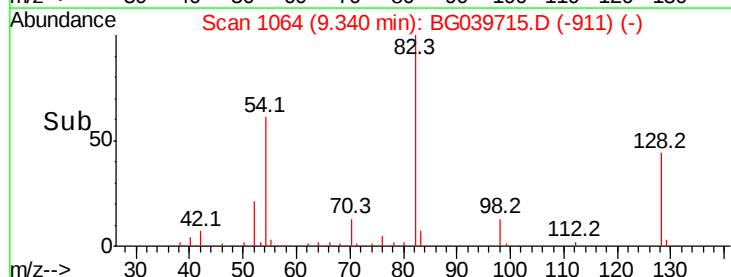
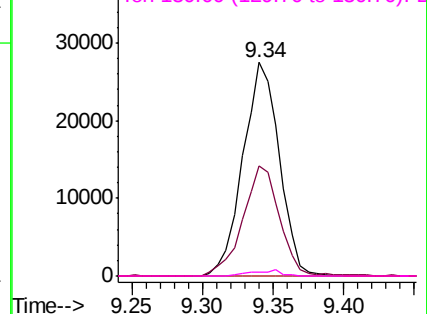
42 51.3 60.4 90.6#

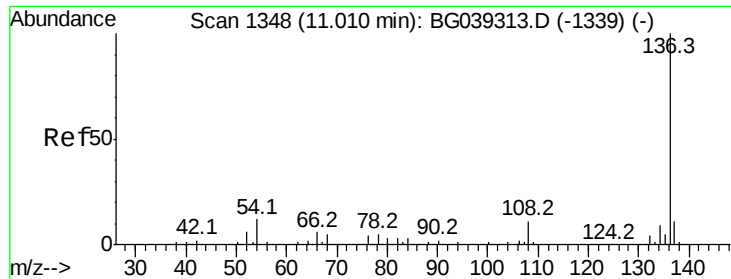
101 0.0 7.5 11.3#

130 1.6 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

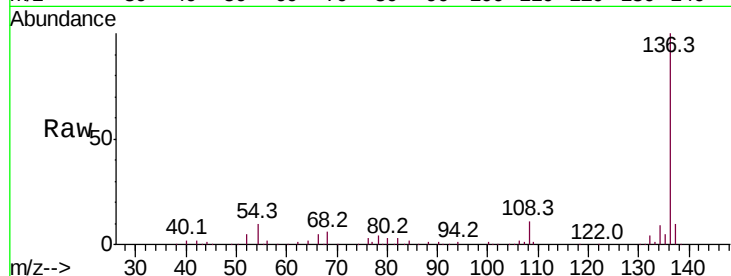




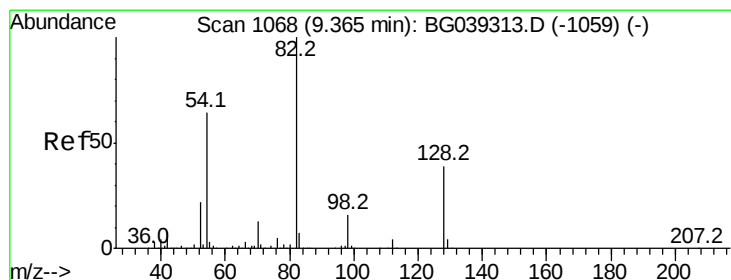
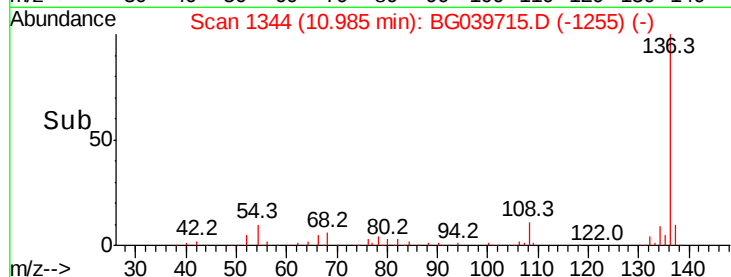
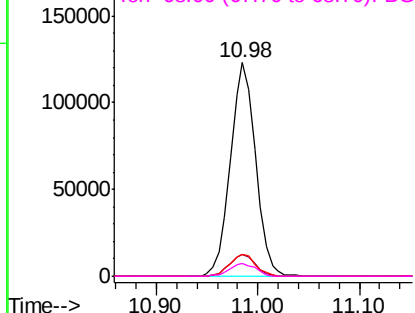
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BG039715.D
Acq: 2 Mar 2019 9:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	211647
Ion	Ratio	Lower	Upper
136	100		
137	10.0	9.1	13.7
54	10.4	9.4	14.2
68	5.8	4.2	6.4

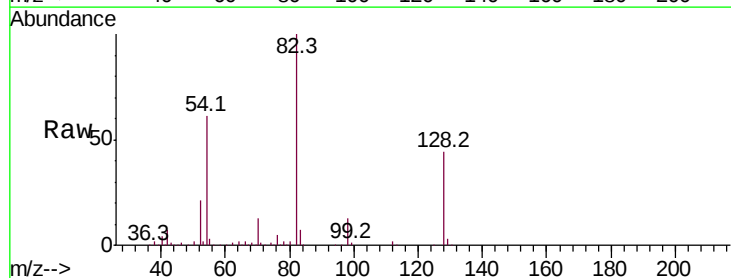


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

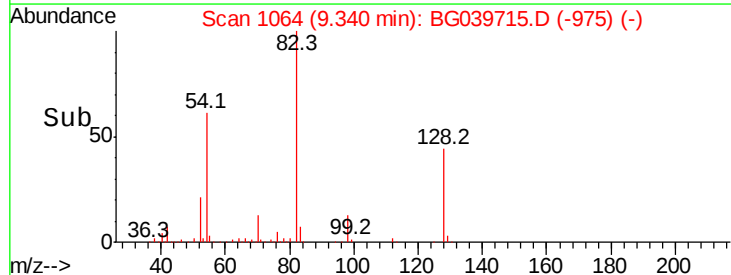
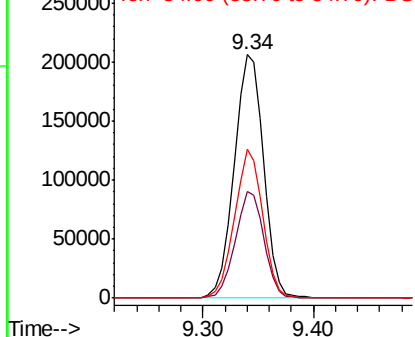


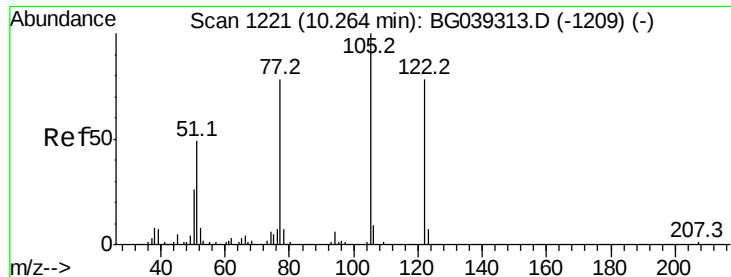
#23
Nitrobenzene-d5
Concen: 113.819 ng
RT: 9.34 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BG039715.D
Acq: 2 Mar 2019 9:25

Tgt Ion:	82	Resp:	385606
Ion	Ratio	Lower	Upper
82	100		
128	43.8	31.3	46.9
54	61.2	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

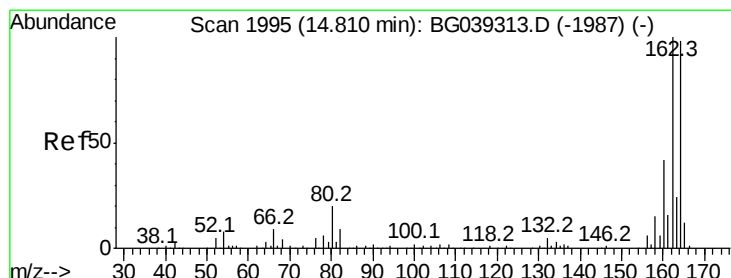
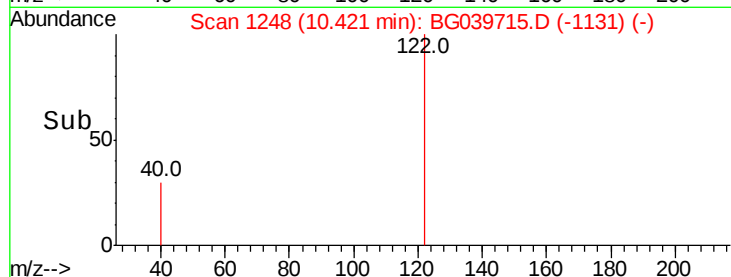
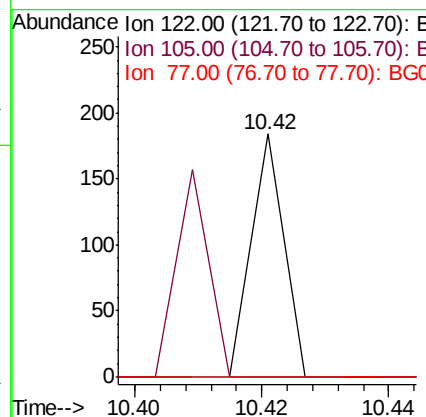
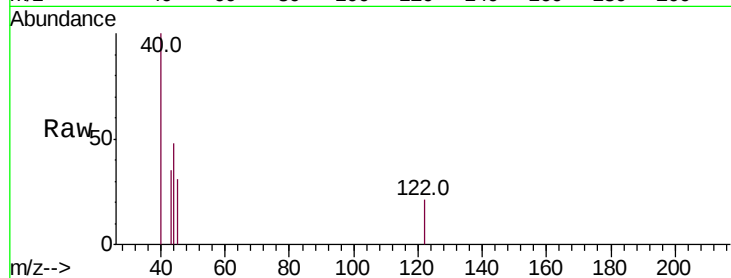




#32
Benzoic acid
Concen: 9.048 ng
RT: 10.42 min Scan# 1248
Delta R.T. 0.16 min
Lab File: BG039715.D
Acq: 2 Mar 2019 9:25

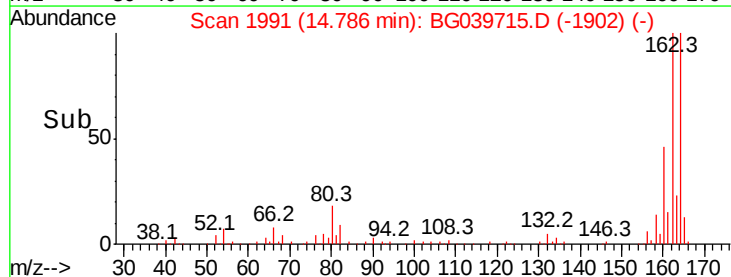
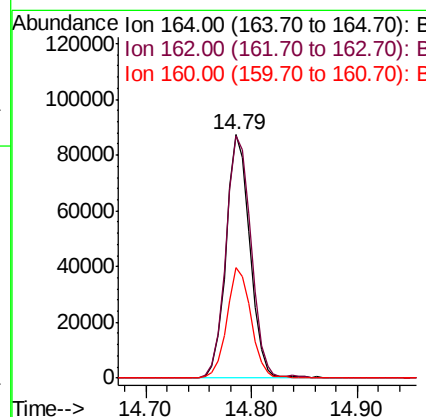
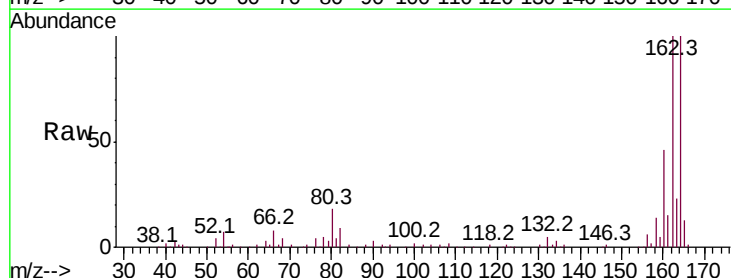
Instrument :
BNA_G
ClientSampled :

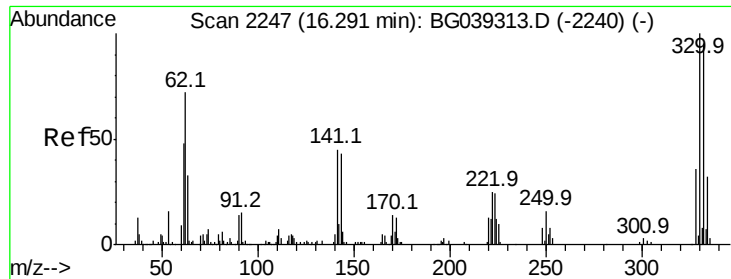
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BG039715.D
Acq: 2 Mar 2019 9:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.6	122.4
160	45.5	34.2	51.2

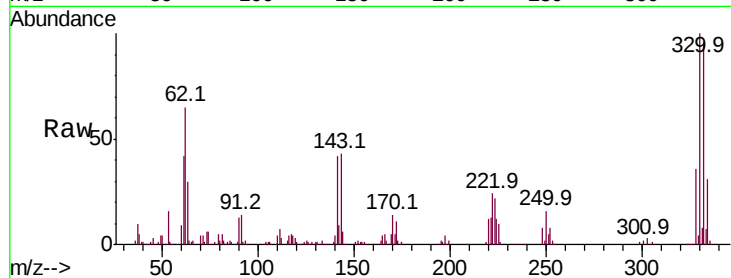




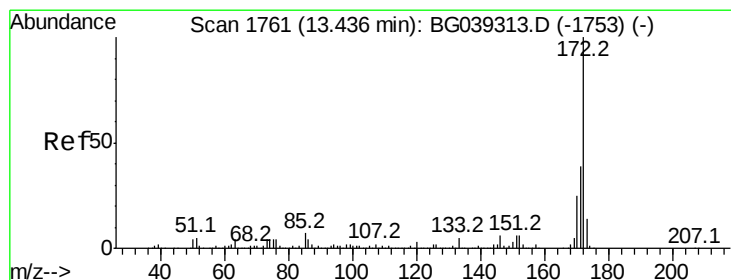
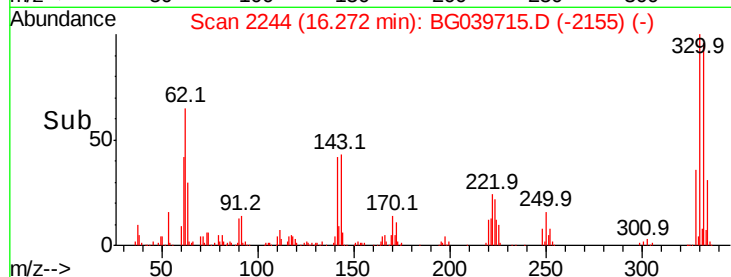
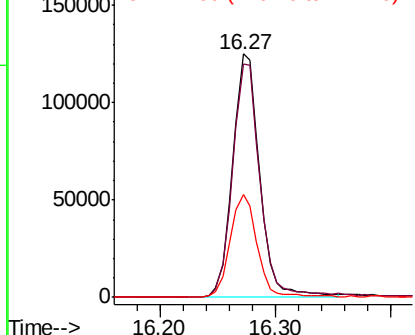
#42
2,4,6-Tribromophenol
Concen: 139.043 ng
RT: 16.27 min Scan# 2244
Delta R.T. -0.01 min
Lab File: BG039715.D
Acq: 2 Mar 2019 9:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:330 Resp: 204496
Ion Ratio Lower Upper
330 100
332 98.1 75.7 113.5
141 42.0 35.6 53.4

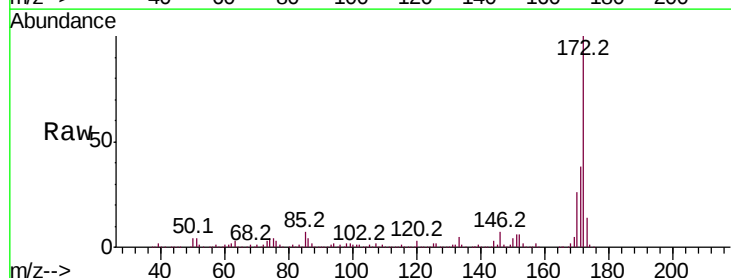


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

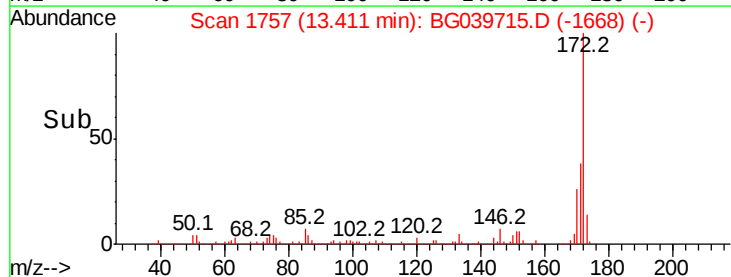
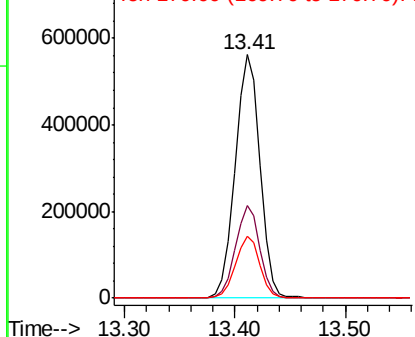


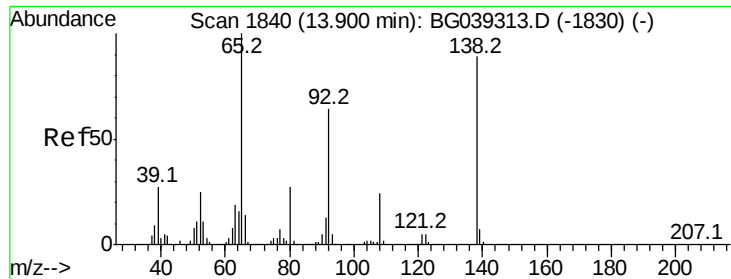
#45
2-Fluorobiphenyl
Concen: 93.284 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BG039715.D
Acq: 2 Mar 2019 9:25

Tgt Ion:172 Resp: 888145
Ion Ratio Lower Upper
172 100
171 37.8 30.8 46.2
170 25.5 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: 8.806 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.47 min

Lab File: BG039715.D

Acq: 2 Mar 2019 9:25

Instrument :

BNA_G

ClientSampleId :

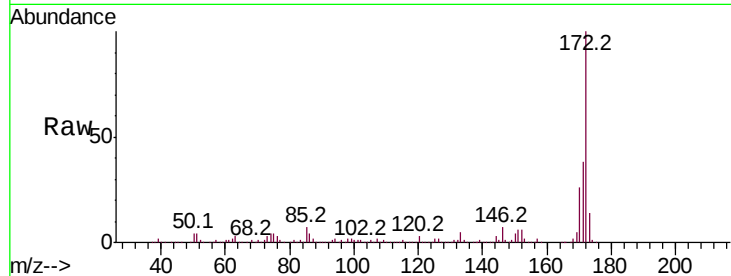
Tot Ion: 65 Resp: 1514

Ion Ratio Lower Upper

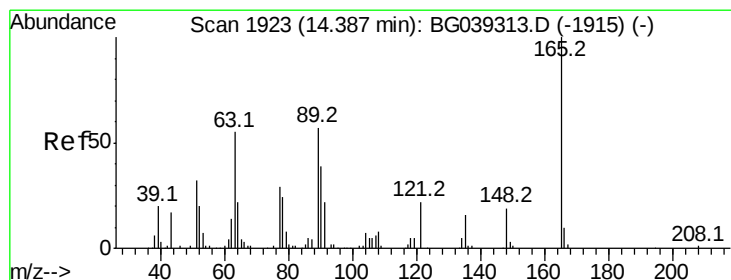
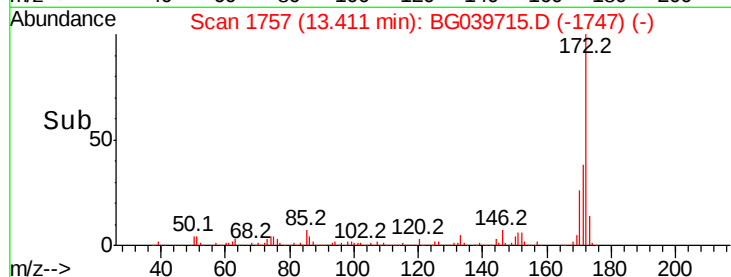
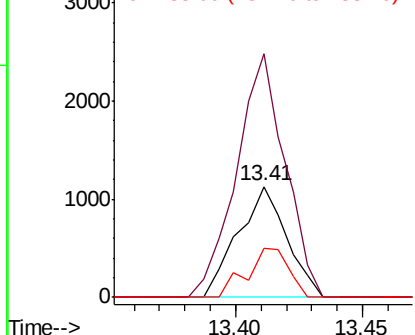
65 100

92 219.3 51.4 77.2#

138 44.1 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



#51

2,6-Dinitrotoluene

Concen: 13.906 ng

RT: 14.79 min Scan# 1991

Delta R.T. 0.42 min

Lab File: BG039715.D

Acq: 2 Mar 2019 9:25

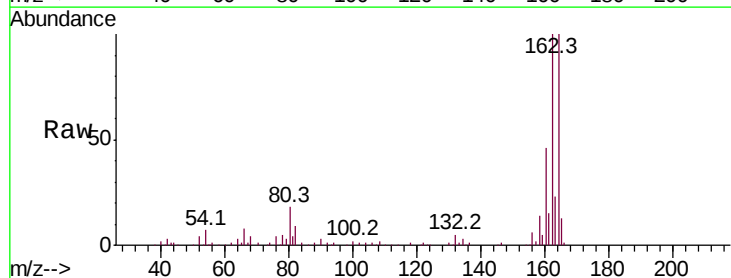
Tgt Ion:165 Resp: 17544

Ion Ratio Lower Upper

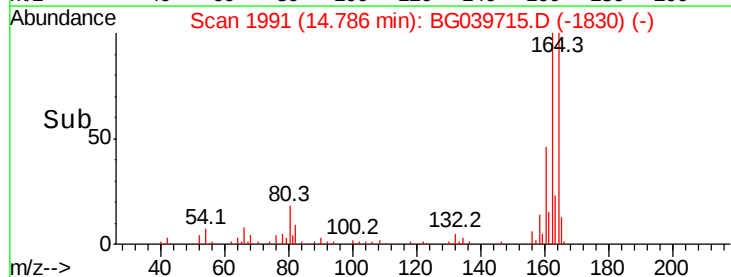
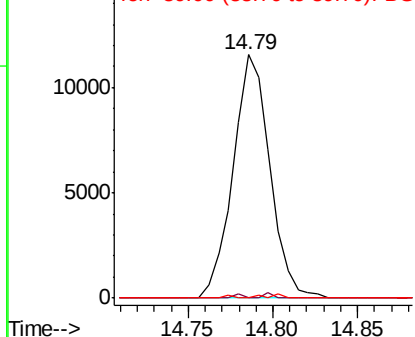
165 100

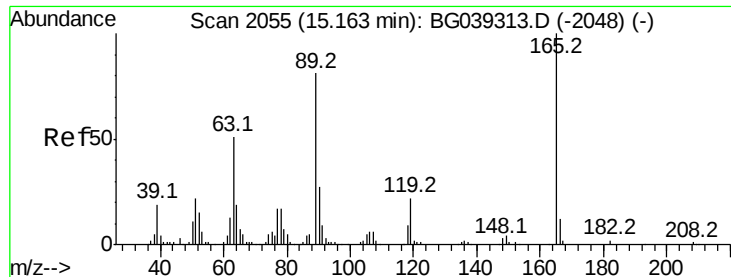
63 0.0 47.0 70.6#

89 0.0 45.8 68.8#



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

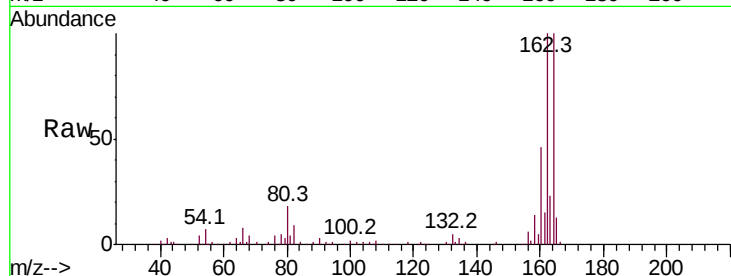




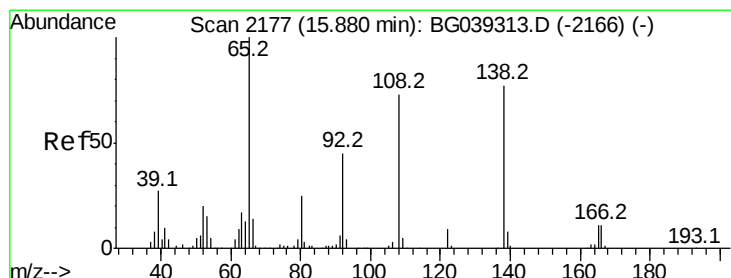
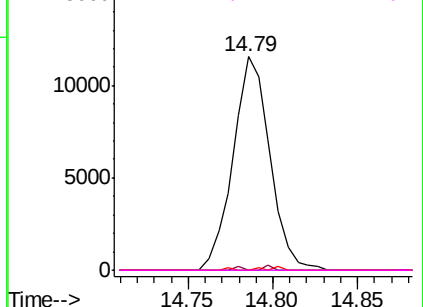
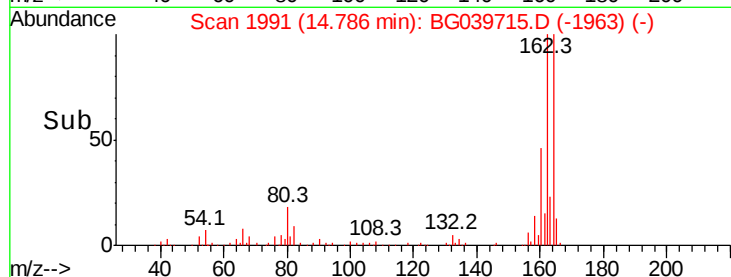
#57
 2,4-Dinitrotoluene
 Concen: 13.386 ng
 RT: 14.79 min Scan# 1991
 Delta R.T. -0.36 min
 Lab File: BG039715.D
 Acq: 2 Mar 2019 9:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 17544
 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#

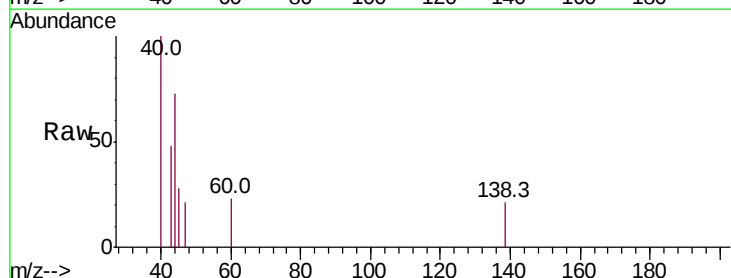


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

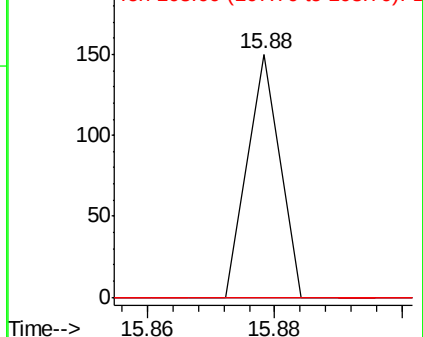
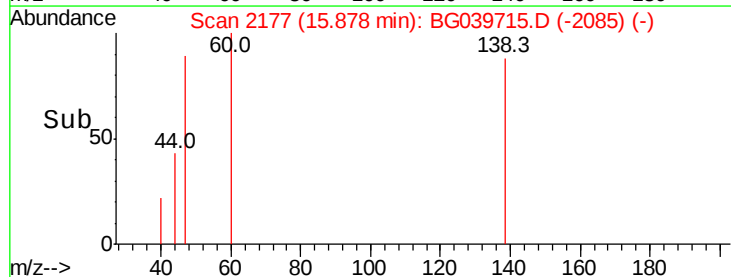


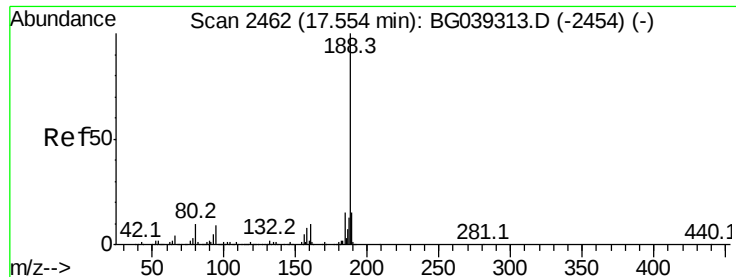
#62
 4-Nitroaniline
 Concen: 4.223 ng
 RT: 15.88 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: BG039715.D
 Acq: 2 Mar 2019 9:25

Tgt Ion:138 Resp: 53
 Ion Ratio Lower Upper
 138 100
 92 0.0 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# 2458

Delta R.T. -0.01 min

Lab File: BG039715.D

Acq: 2 Mar 2019 9:25

Instrument :

BNA_G

ClientSampleId :

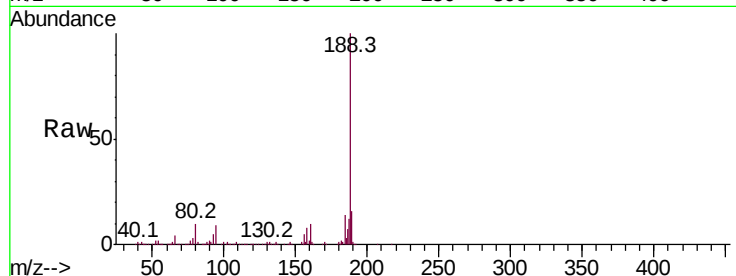
Tot Ion:188 Resp: 333028

Ion Ratio Lower Upper

188 100

94 8.5 6.9 10.3

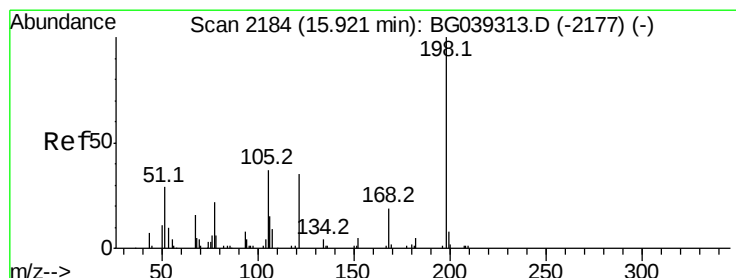
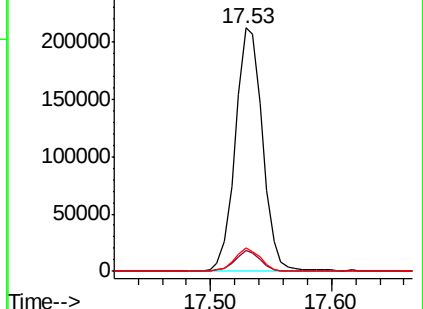
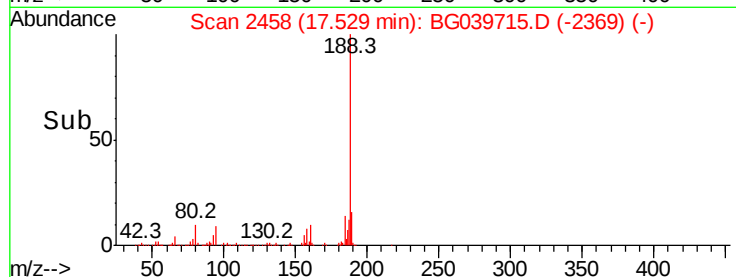
80 9.7 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#65

4,6-Dinitro-2-methylphenol

Concen: 4.818 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.36 min

Lab File: BG039715.D

Acq: 2 Mar 2019 9:25

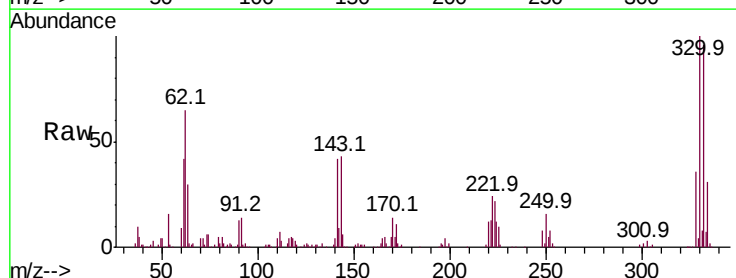
Tgt Ion:198 Resp: 668

Ion Ratio Lower Upper

198 100

51 104.4 27.4 67.4#

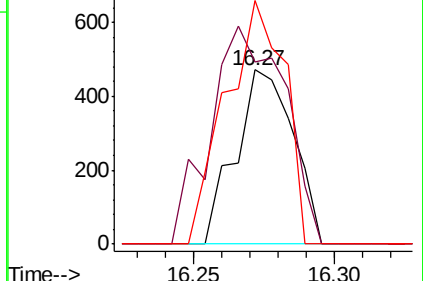
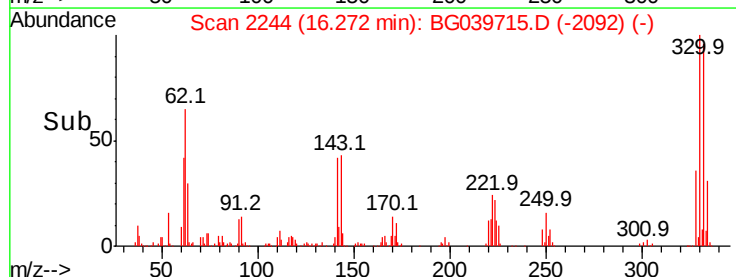
105 139.6 19.7 59.7#

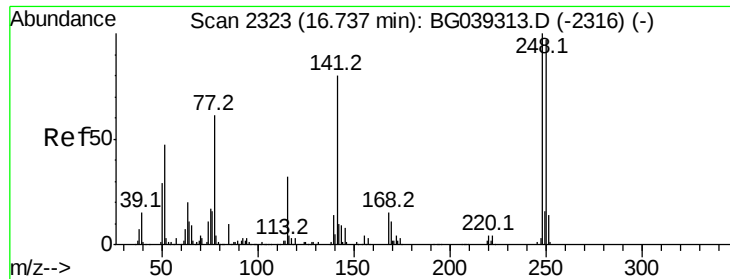


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.339 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.45 min

Lab File: BG039715.D

Acq: 2 Mar 2019 9:25

Instrument :

BNA_G

ClientSampleId :

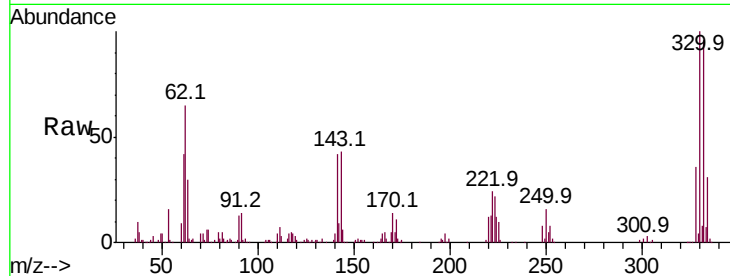
Tot Ion:248 Resp: 16032

Ion Ratio Lower Upper

248 100

250 186.5 77.6 116.4#

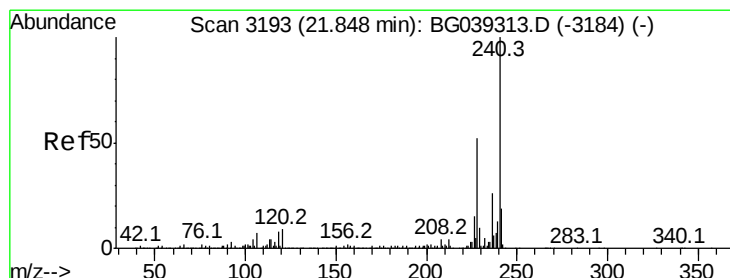
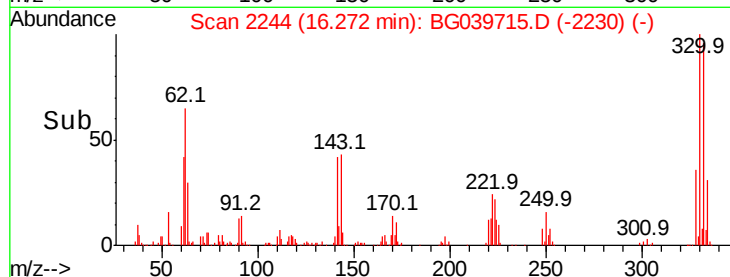
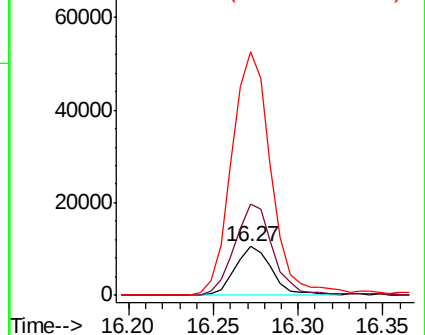
141 498.7 63.9 95.9#



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: BG039715.D

Acq: 2 Mar 2019 9:25

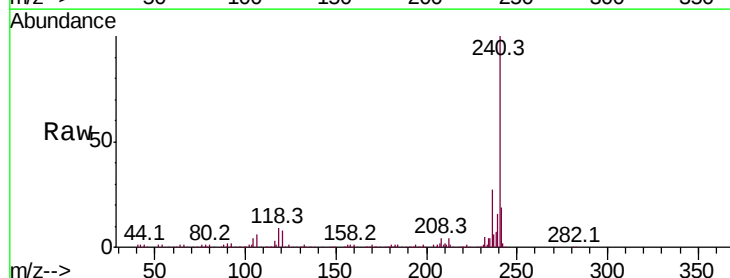
Tgt Ion:240 Resp: 342125

Ion Ratio Lower Upper

240 100

120 7.9 7.0 10.6

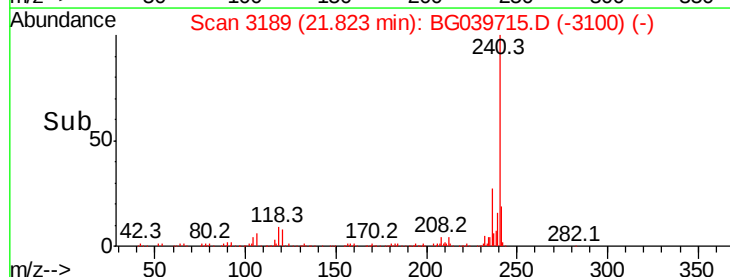
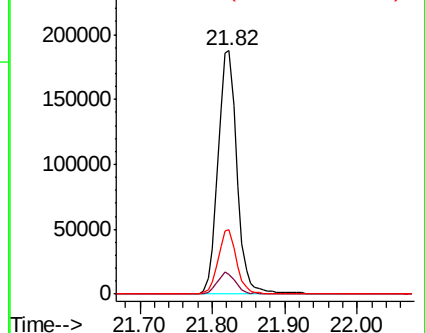
236 26.5 21.0 31.4

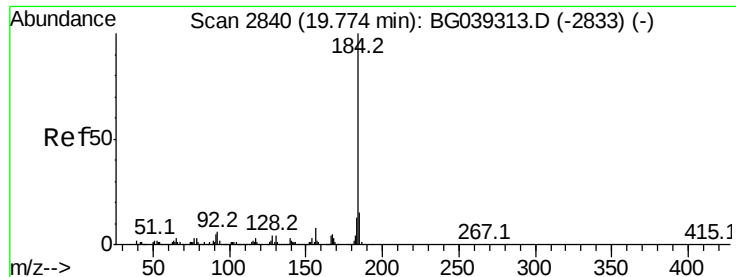


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.273 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG039715.D

Acq: 2 Mar 2019 9:25

Instrument :

BNA_G

ClientSampled :

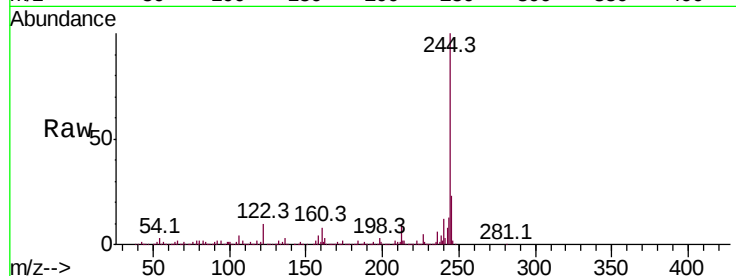
Tot Ion:184 Resp: 25492

Ion Ratio Lower Upper

184 100

185 16.4 12.2 18.2

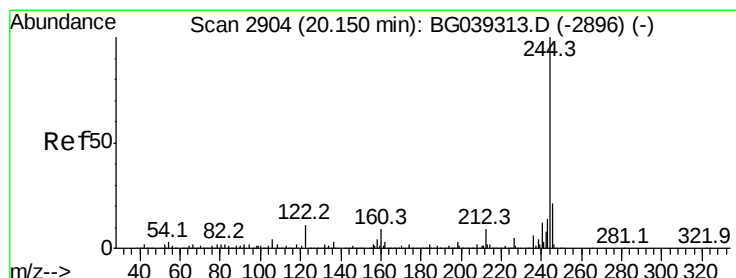
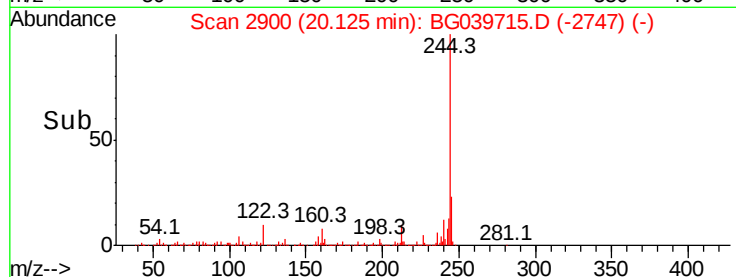
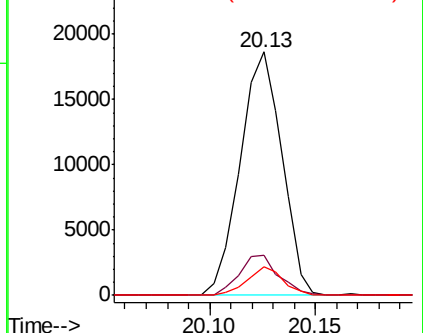
183 11.8 10.6 15.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 88.966 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.00 min

Lab File: BG039715.D

Acq: 2 Mar 2019 9:25

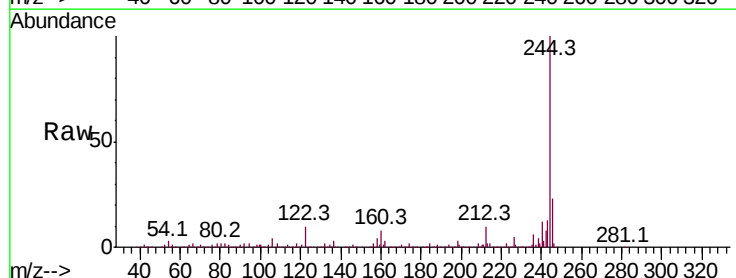
Tgt Ion:244 Resp: 1437979

Ion Ratio Lower Upper

244 100

212 9.6 7.3 10.9

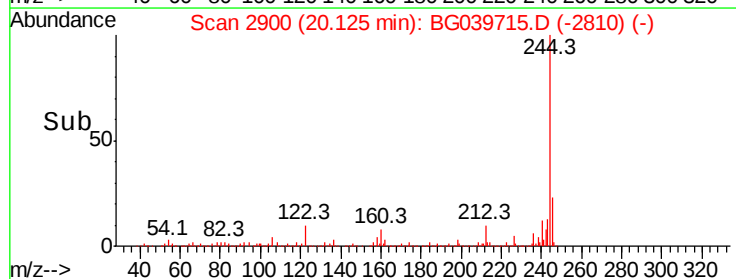
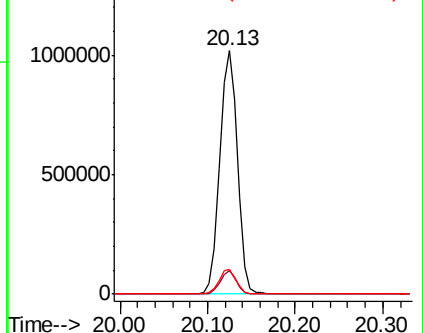
122 10.0 8.4 12.6

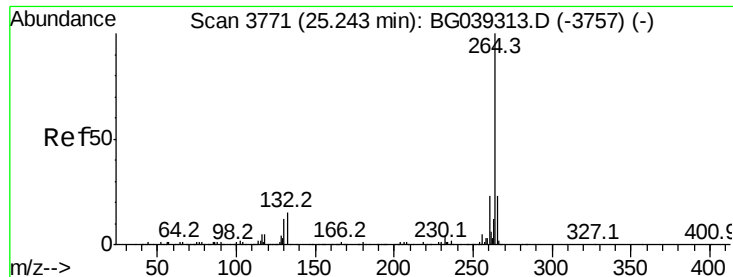


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.20 min Scan# 3764
 Delta R.T. 0.00 min
 Lab File: BG039715.D
 Acq: 2 Mar 2019 9:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.4
265	20.8	18.5	27.7

