

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022619\
 Data File : BG039618.D
 Acq On : 27 Feb 2019 3:19
 Operator : JU/SJ
 Sample : K1597-16
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-23

Quant Time: Feb 27 06:36:07 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	55197	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	230909	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	154199	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	401311	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	433994	20.00	ng	-0.03
87) Perylene-d12	25.20	264	431591	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	431365	133.75	ng	0.00
7) Phenol-d6	7.31	99	550247	115.91	ng	0.00
23) Nitrobenzene-d5	9.34	82	408268	110.46	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	266011	160.20	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	961535	89.45	ng	-0.02
79) Terphenyl-d14	20.12	244	1687169	82.29	ng	-0.03

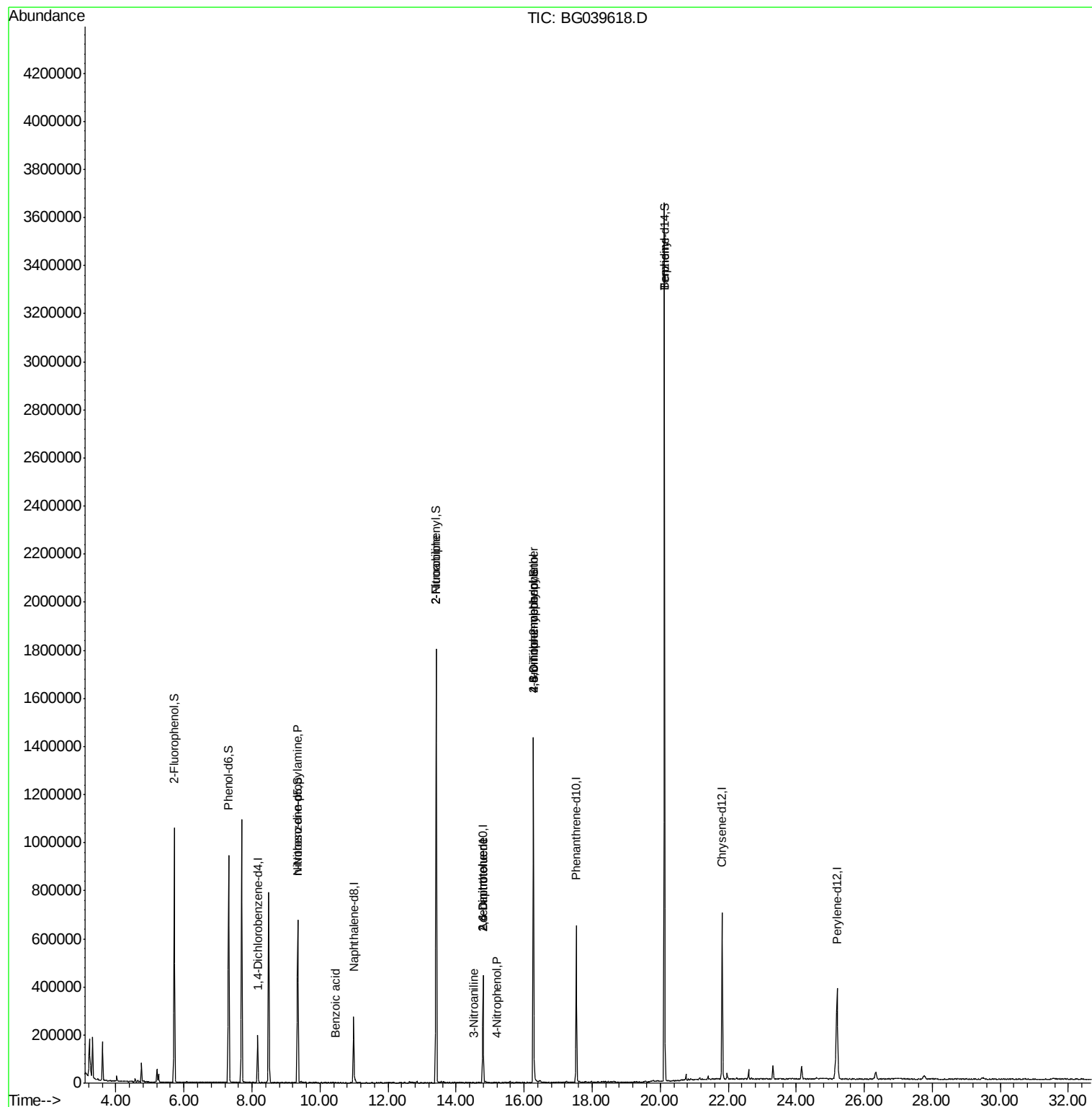
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	846	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	53214	15.793	ng	# 71
32) Benzoic acid	10.45	122	66	9.046	ng	# 1
48) 2-Nitroaniline	13.41	65	1693	8.801	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	19644	13.846	ng	# 24
53) 3-Nitroaniline	14.52	138	54	5.812	ng	# 1
56) 4-Nitrophenol	15.19	139	95	5.833	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	19644	13.340	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.27	198	843	4.848	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	20100	4.515	ng	# 1
77) Benzidine	20.13	184	30004	2.109	ng	# 96

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

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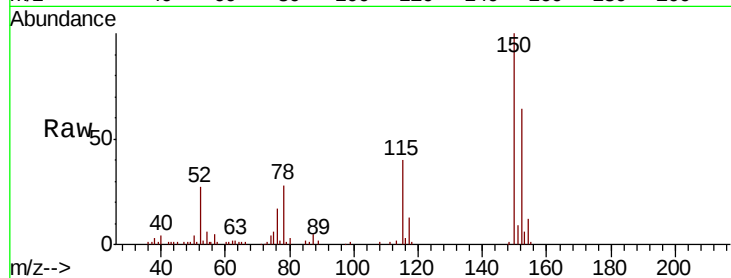


#1

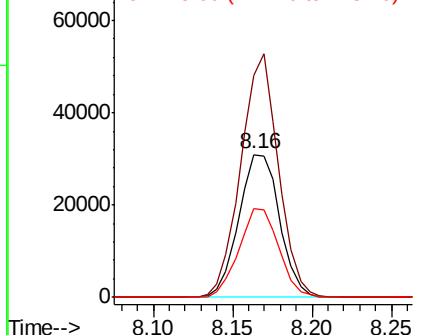
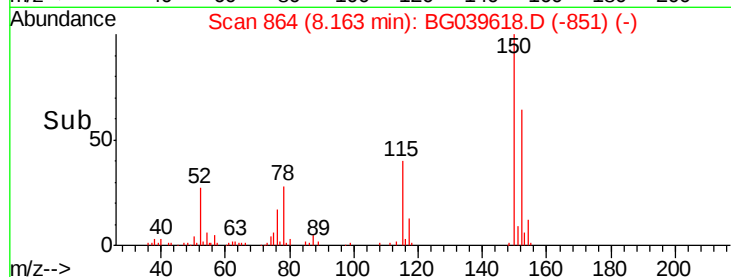
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039618.D
Acq: 27 Feb 2019 3:19

Instrument :
BNA_G
ClientSampleId :
TP-23

Tgt Ion:152 Resp: 55197
Ion Ratio Lower Upper
152 100
150 155.5 123.7 185.5
115 61.8 45.9 68.9



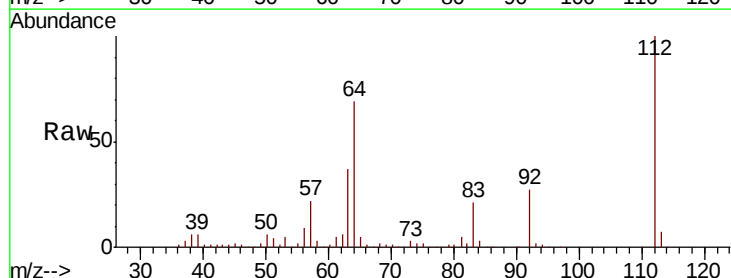
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



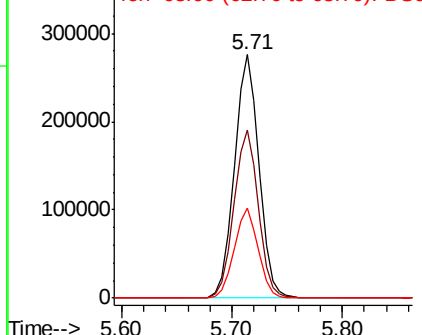
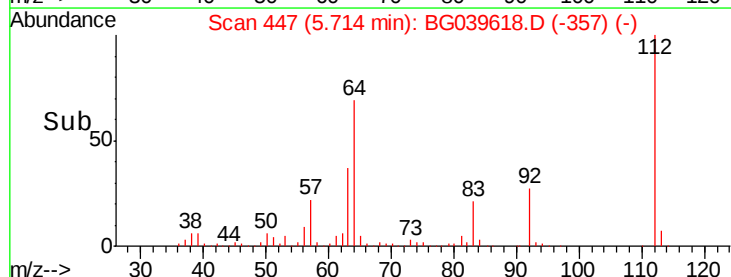
#5

2-Fluorophenol
Concen: 133.755 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039618.D
Acq: 27 Feb 2019 3:19

Tgt Ion:112 Resp: 431365
Ion Ratio Lower Upper
112 100
64 69.2 57.8 86.8
63 36.7 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 115.910 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039618.D

Acq: 27 Feb 2019 3:19

Instrument :

BNA_G

ClientSampleId :

TP-23

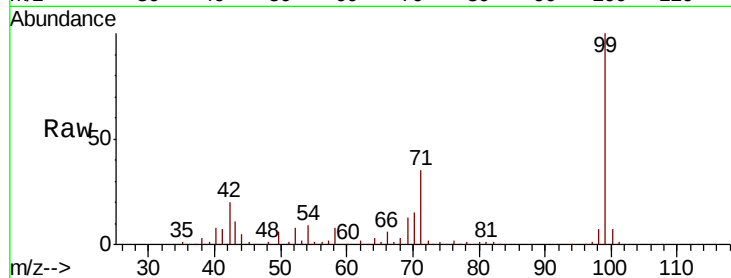
Tgt Ion: 99 Resp: 550247

Ion Ratio Lower Upper

99 100

42 19.9 18.2 27.2

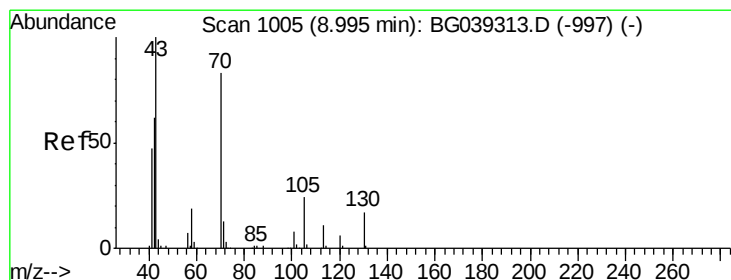
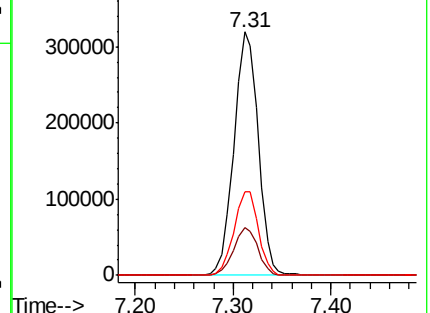
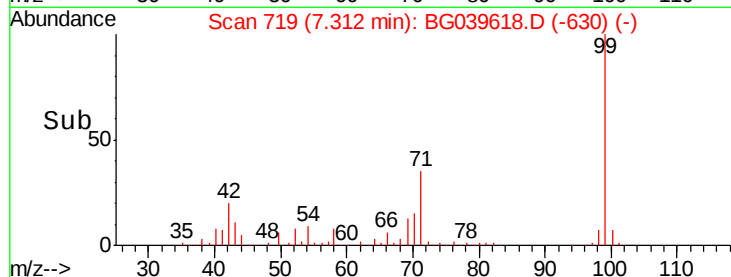
71 34.6 28.0 42.0



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: 15.793 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039618.D

Acq: 27 Feb 2019 3:19

Tgt Ion: 70 Resp: 53214

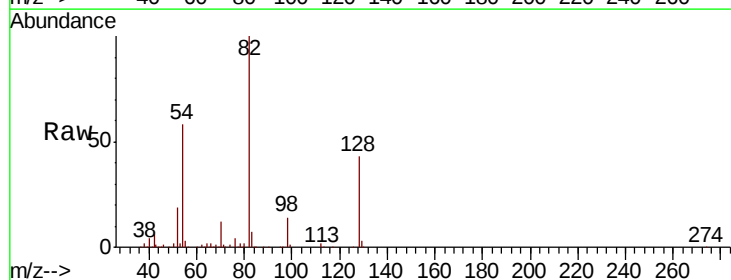
Ion Ratio Lower Upper

70 100

42 52.8 60.4 90.6#

101 0.0 7.5 11.3#

130 1.9 16.9 25.3#

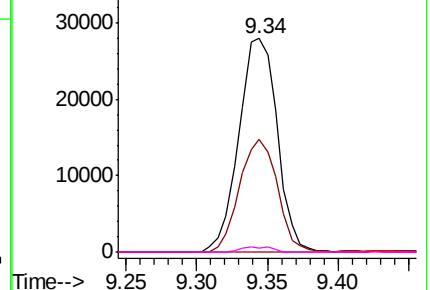
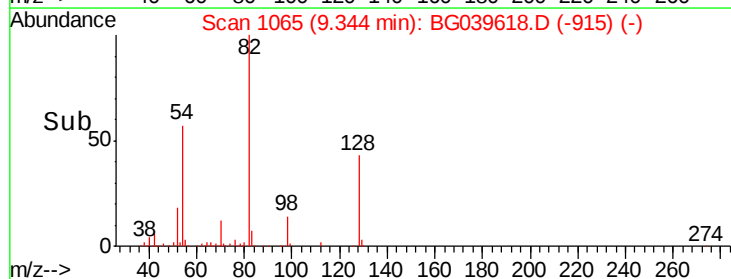


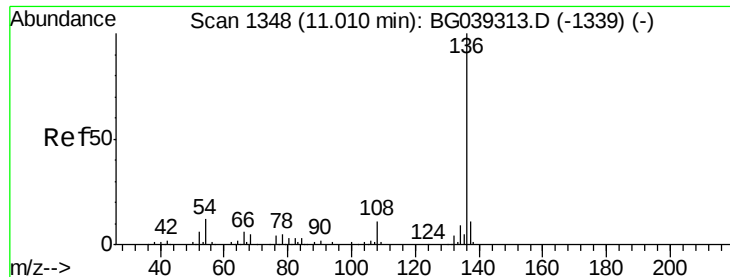
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

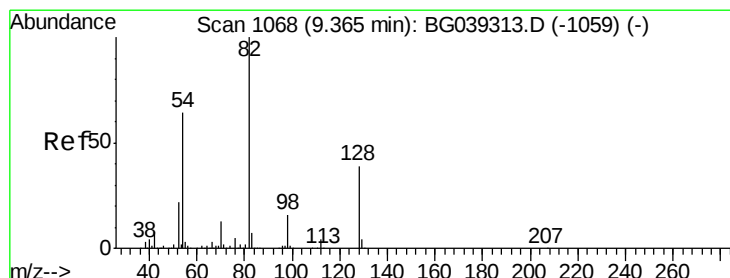
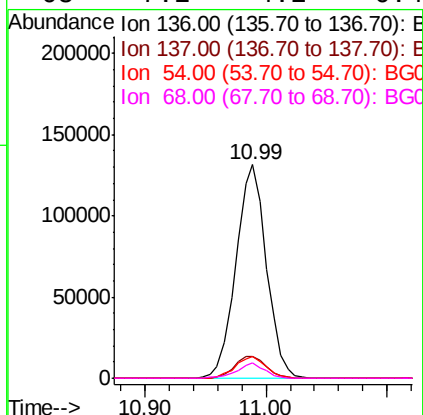
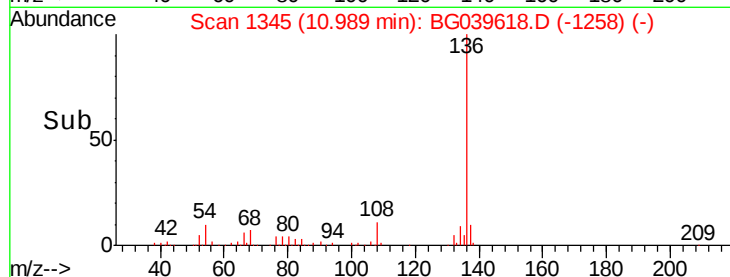
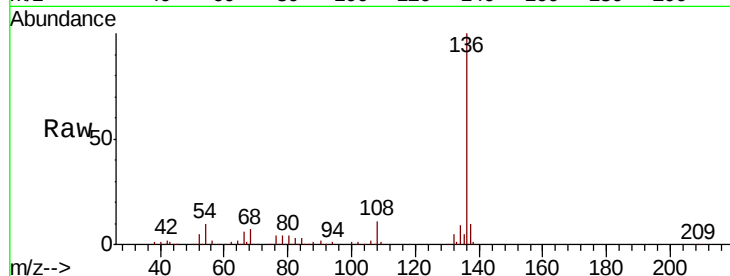




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039618.D
Acq: 27 Feb 2019 3:19

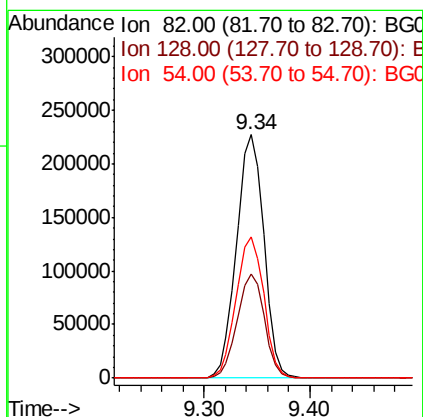
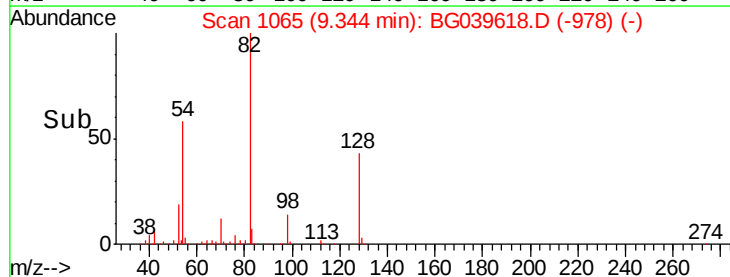
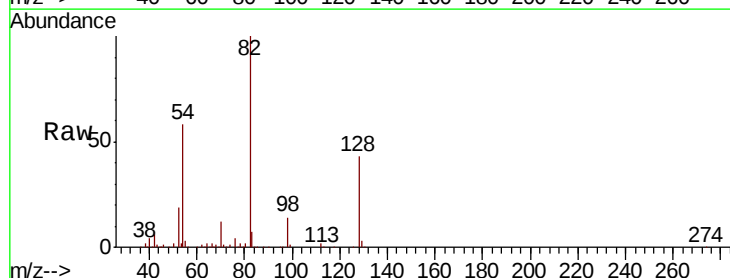
Instrument :
BNA_G
ClientSampleId :
TP-23

Tgt Ion:	136	Resp:	230909
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	10.3	9.4	14.2
68	7.2	4.2	6.4#



#23
Nitrobenzene-d5
Concen: 110.455 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039618.D
Acq: 27 Feb 2019 3:19

Tgt Ion:	82	Resp:	408268
Ion	Ratio	Lower	Upper
82	100		
128	42.7	31.3	46.9
54	57.7	50.9	76.3

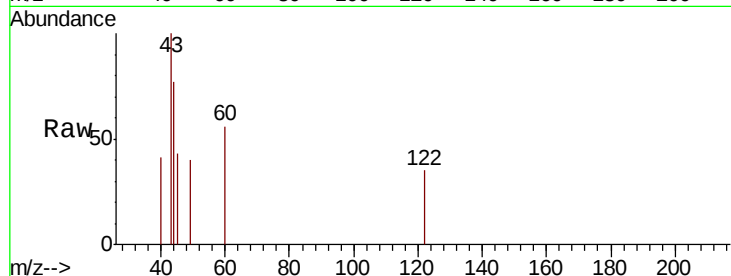




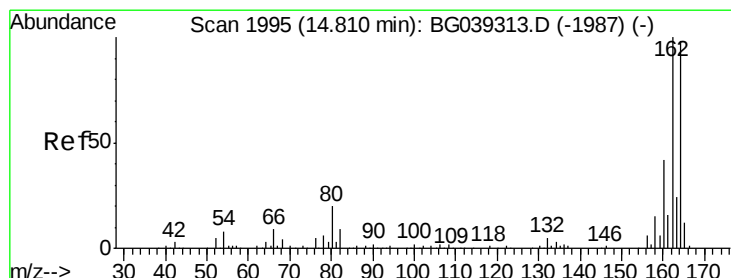
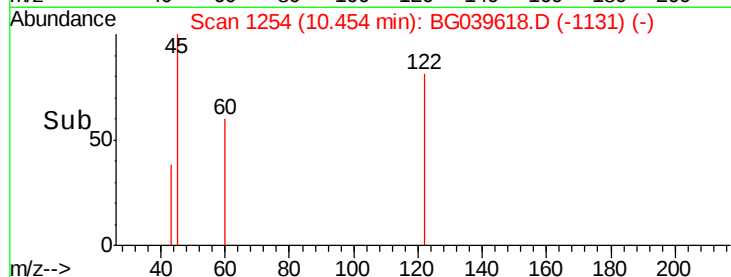
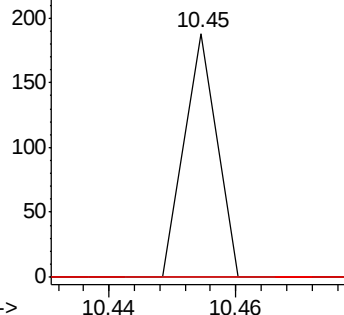
#32
Benzoic acid
Concen: 9.046 ng
RT: 10.45 min Scan# 1254
Delta R.T. 0.19 min
Lab File: BG039618.D
Acq: 27 Feb 2019 3:19

Instrument :
BNA_G
ClientSampleId :
TP-23

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

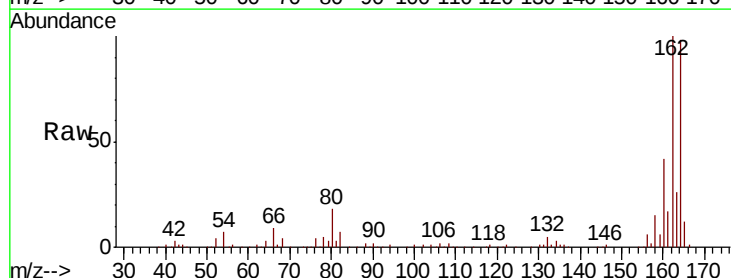


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

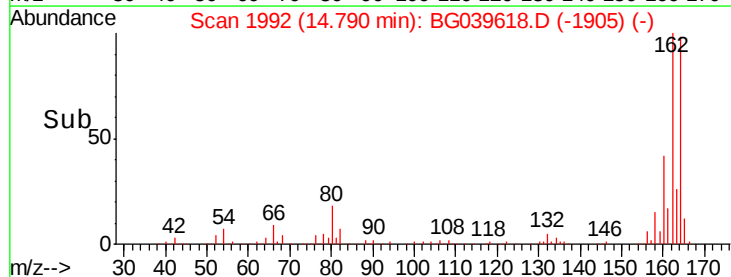
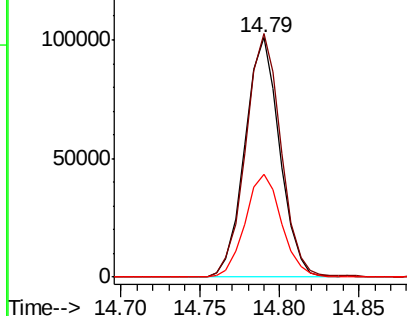


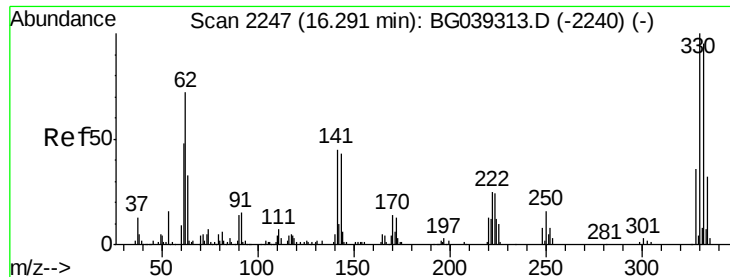
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039618.D
Acq: 27 Feb 2019 3:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.6	122.4
160	43.2	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: 160.203 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039618.D

Acq: 27 Feb 2019 3:19

Instrument :

BNA_G

ClientSampleId :

TP-23

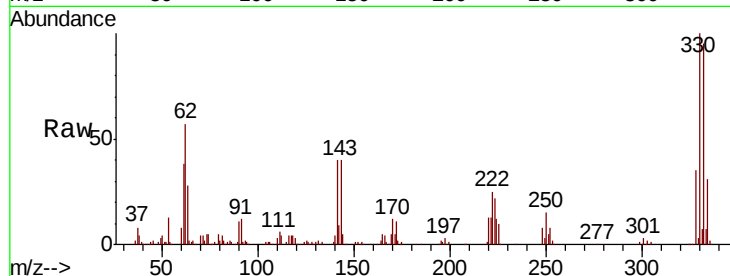
Tgt Ion:330 Resp: 266011

Ion Ratio Lower Upper

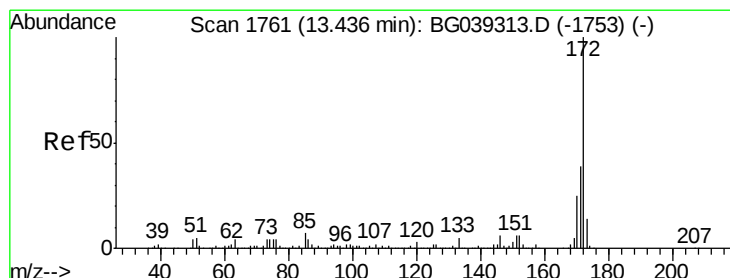
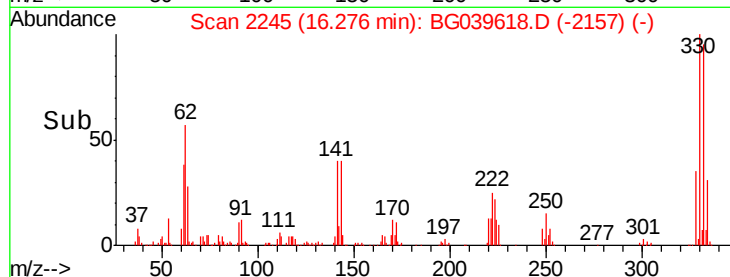
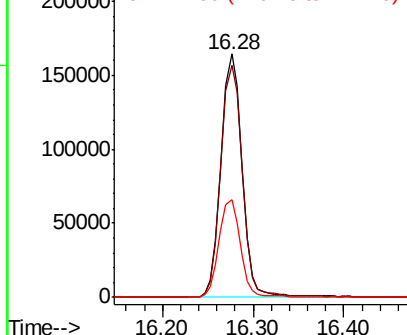
330 100

332 97.8 75.7 113.5

141 40.3 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: 89.454 ng

RT: 13.42 min Scan# 1758

Delta R.T. -0.02 min

Lab File: BG039618.D

Acq: 27 Feb 2019 3:19

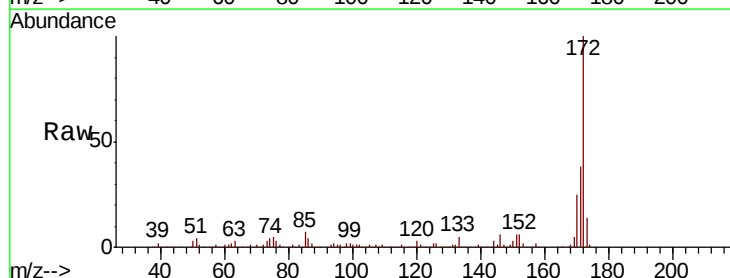
Tgt Ion:172 Resp: 961535

Ion Ratio Lower Upper

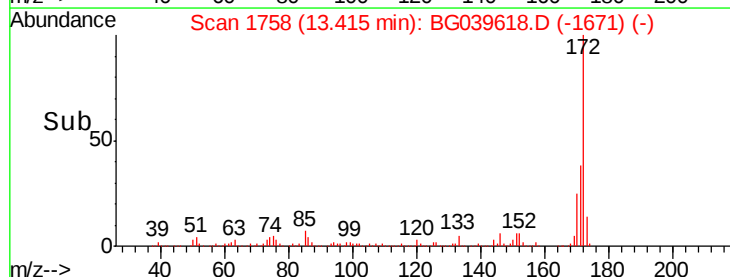
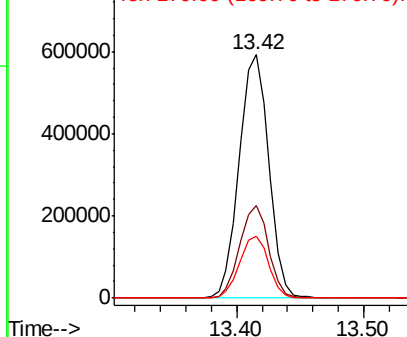
172 100

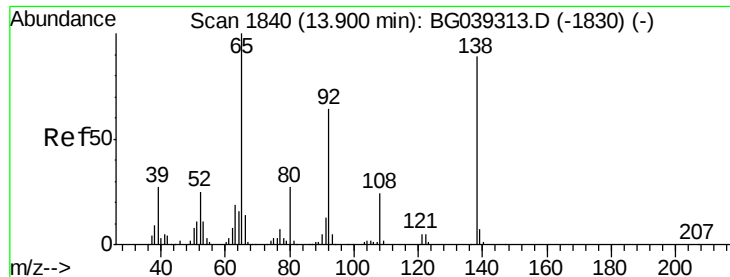
171 38.2 30.8 46.2

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: 8.801 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.49 min

Lab File: BG039618.D

Acq: 27 Feb 2019 3:19

Instrument :

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ClientSampleId :

TP-23

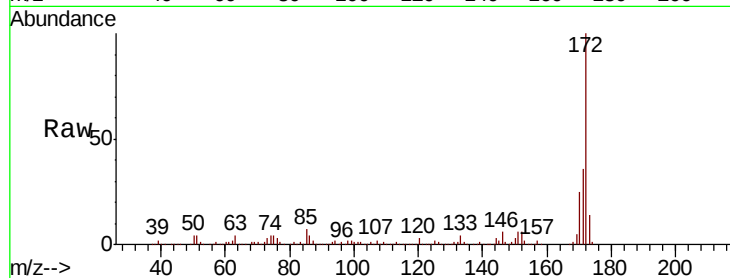
Tgt Ion: 65 Resp: 1693

Ion Ratio Lower Upper

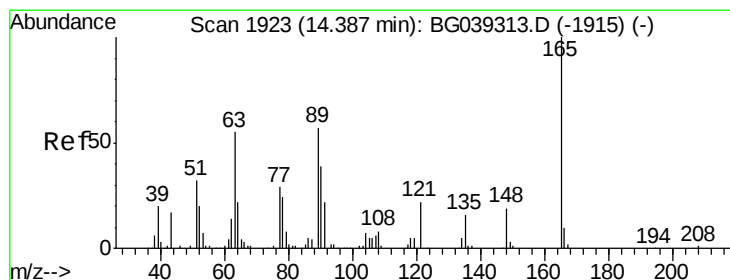
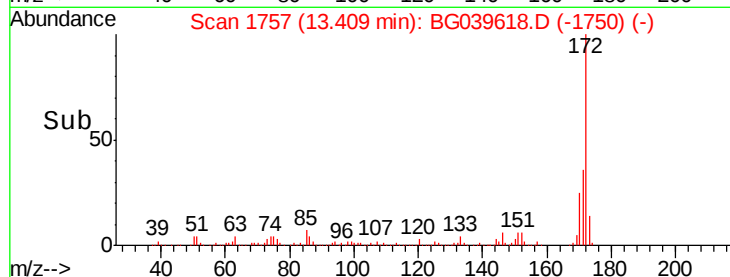
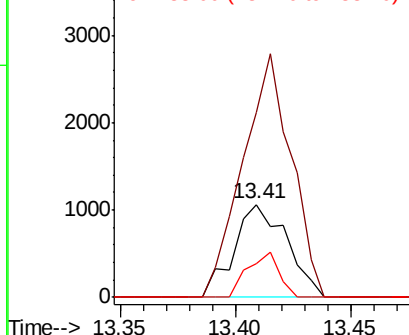
65 100

92 199.2 51.4 77.2#

138 36.3 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: 13.846 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039618.D

Acq: 27 Feb 2019 3:19

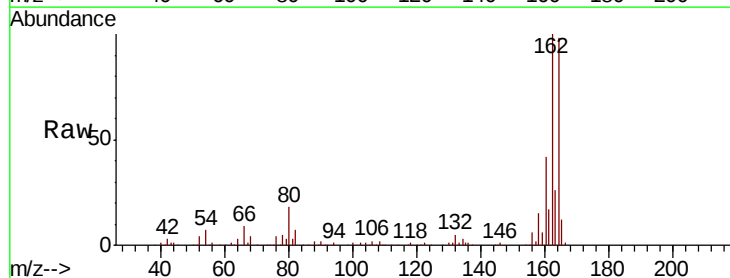
Tgt Ion: 165 Resp: 19644

Ion Ratio Lower Upper

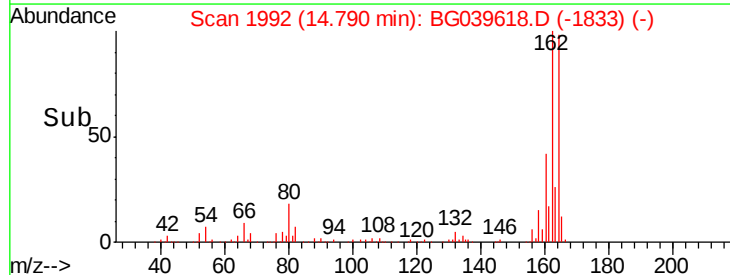
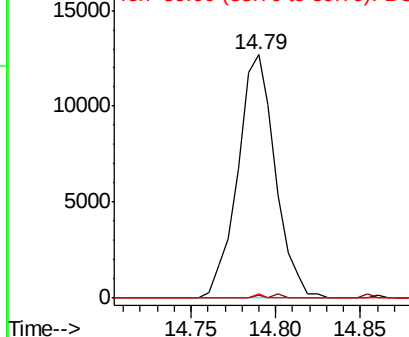
165 100

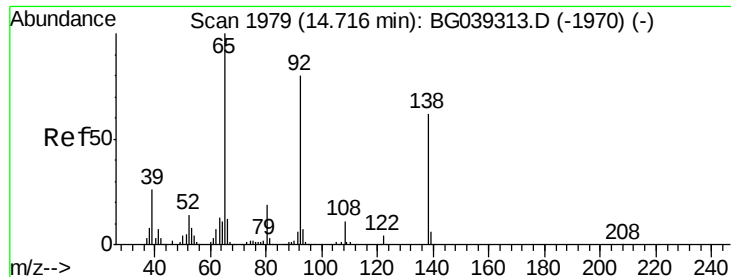
63 1.4 47.0 70.6#

89 1.8 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





#53

3-Nitroaniline

Concen: 5.812 ng

RT: 14.52 min Scan# 1946

Delta R.T. -0.20 min

Lab File: BG039618.D

Acq: 27 Feb 2019 3:19

Instrument :

BNA_G

ClientSampleId :

TP-23

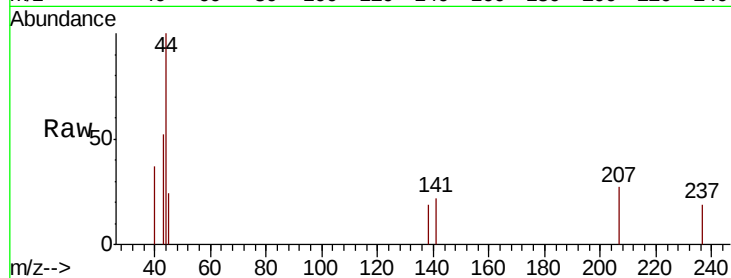
Tgt Ion:138 Resp: 54

Ion Ratio Lower Upper

138 100

108 0.0 13.8 20.8#

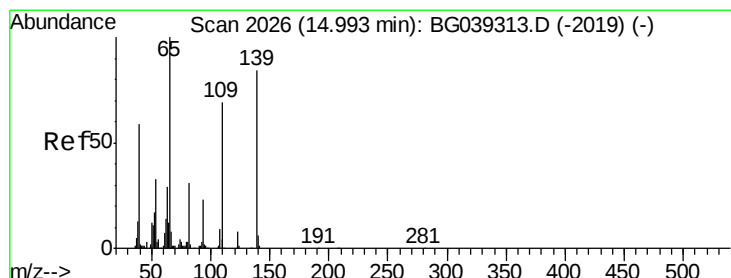
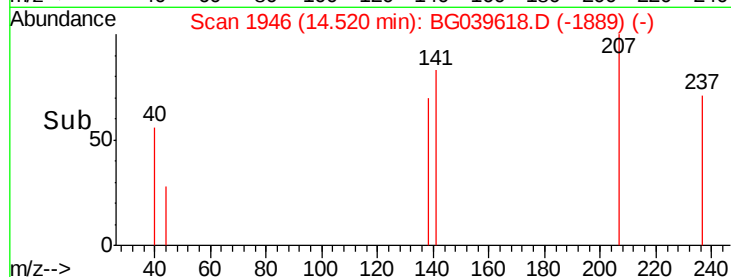
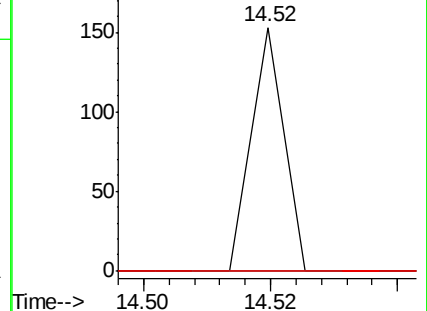
92 0.0 103.7 155.5#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#56

4-Nitrophenol

Concen: 5.833 ng

RT: 15.19 min Scan# 2060

Delta R.T. 0.20 min

Lab File: BG039618.D

Acq: 27 Feb 2019 3:19

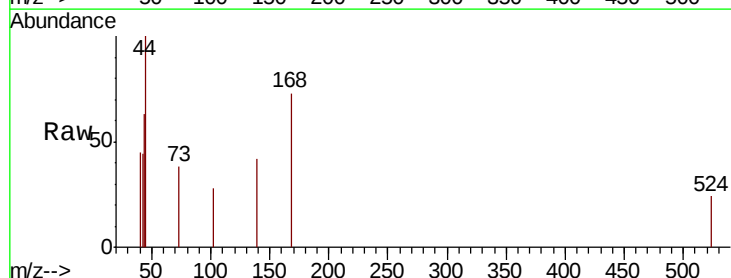
Tgt Ion:139 Resp: 95

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

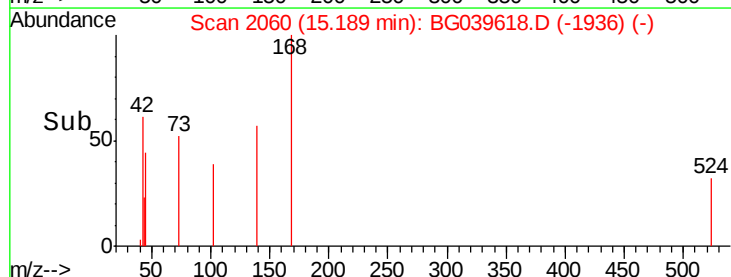
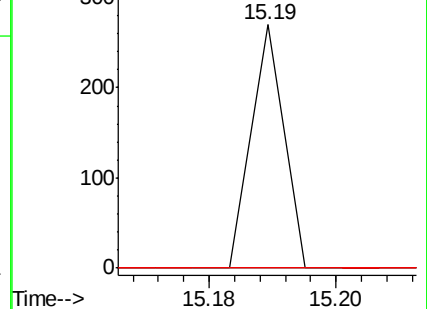
65 0.0 99.1 139.1#

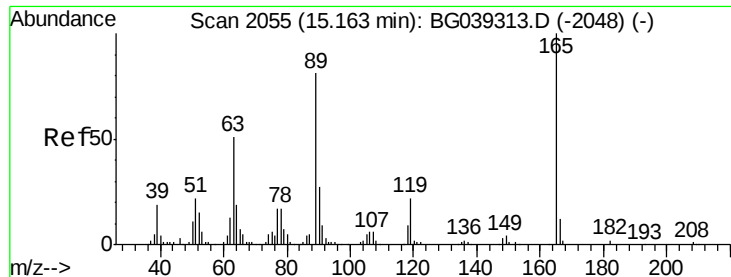


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

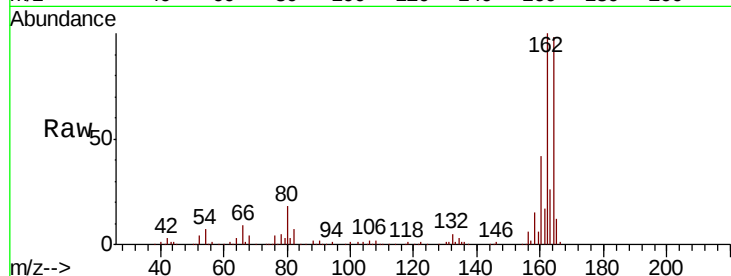




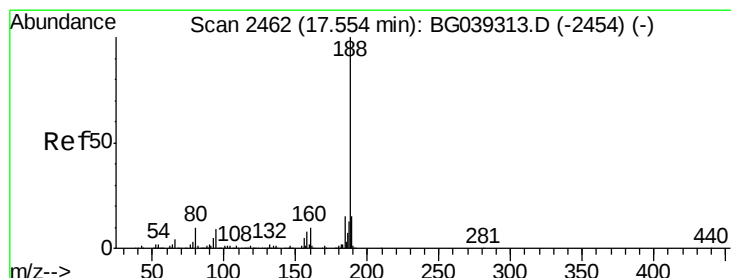
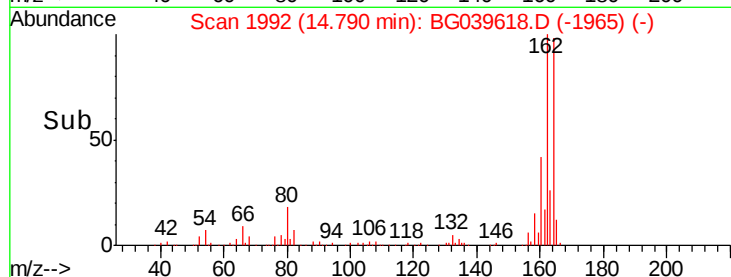
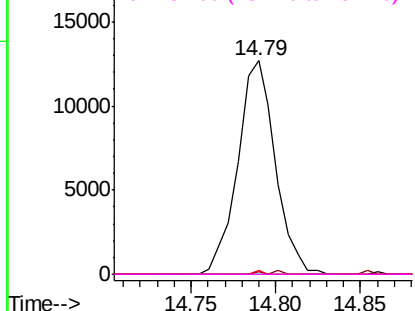
#57
 2,4-Dinitrotoluene
 Concen: 13.340 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.37 min
 Lab File: BG039618.D
 Acq: 27 Feb 2019 3:19

Instrument :
 BNA_G
 ClientSampleId :
 TP-23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	41.0	61.6#
89	1.8	64.6	96.8#
182	0.0	2.0	3.0#

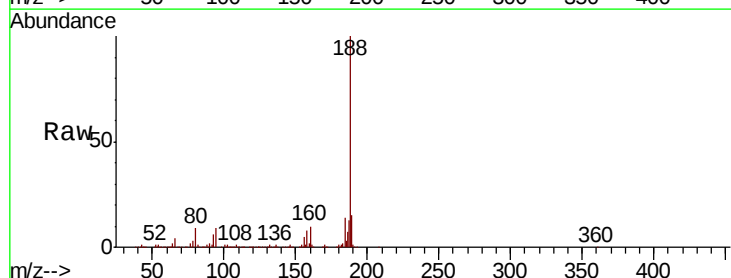


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

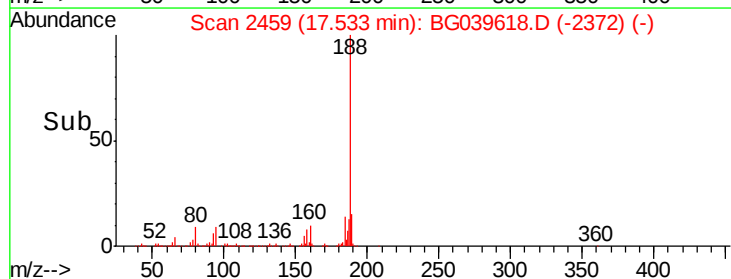
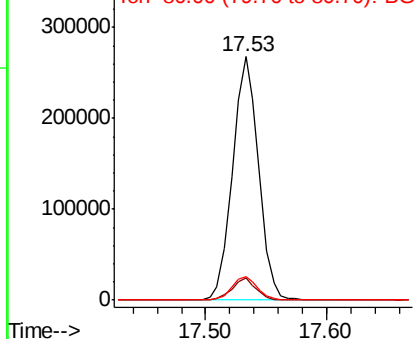


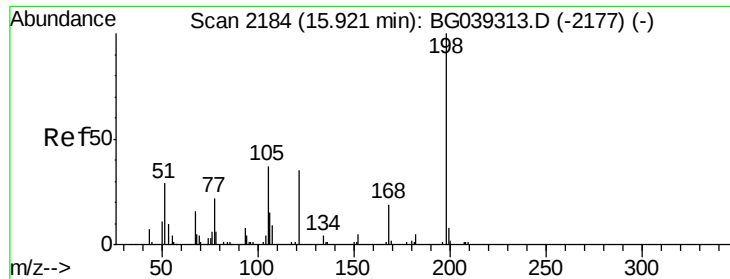
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.53 min Scan# 2459
 Delta R.T. -0.02 min
 Lab File: BG039618.D
 Acq: 27 Feb 2019 3:19

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.9	10.3
80	9.4	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

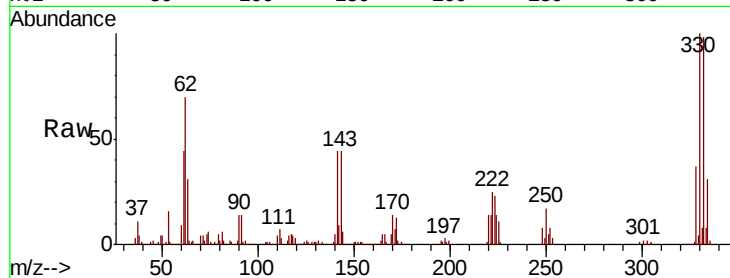




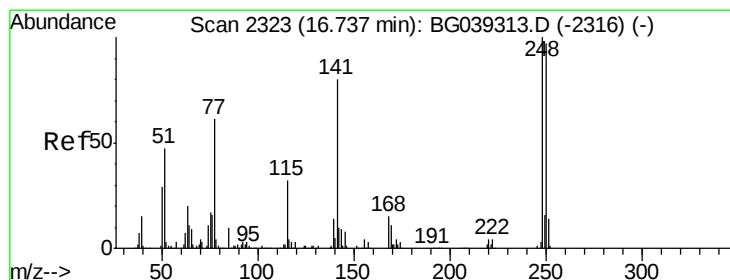
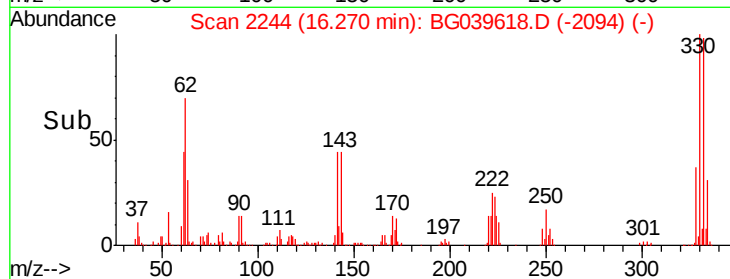
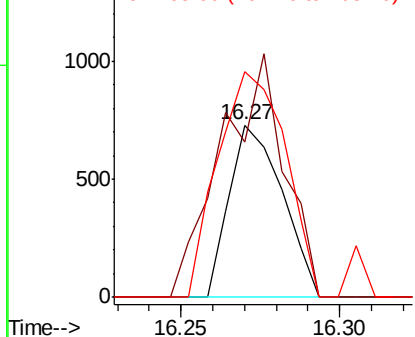
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.848 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. 0.35 min
 Lab File: BG039618.D
 Acq: 27 Feb 2019 3:19

Instrument :
 BNA_G
 ClientSampleId :
 TP-23

Tgt Ion:198 Resp: 843
 Ion Ratio Lower Upper
 198 100
 51 90.1 27.4 67.4#
 105 131.2 19.7 59.7#

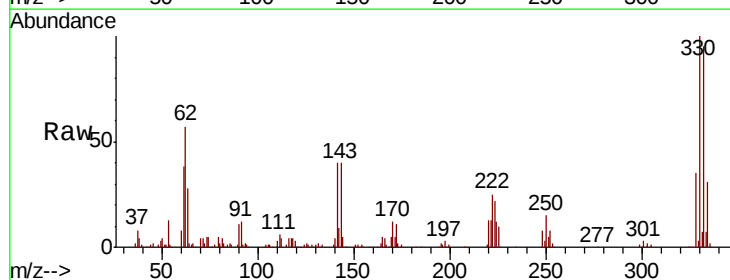


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

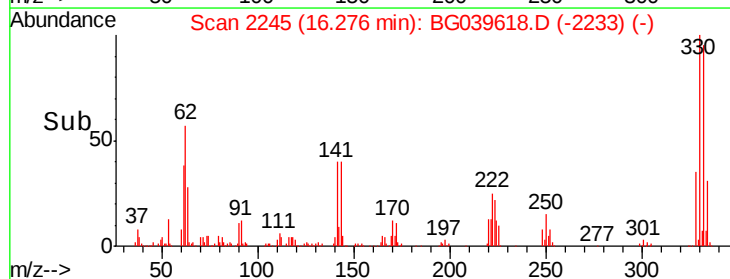
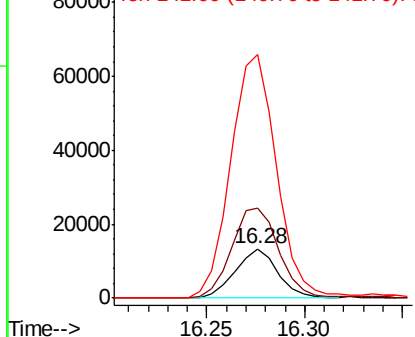


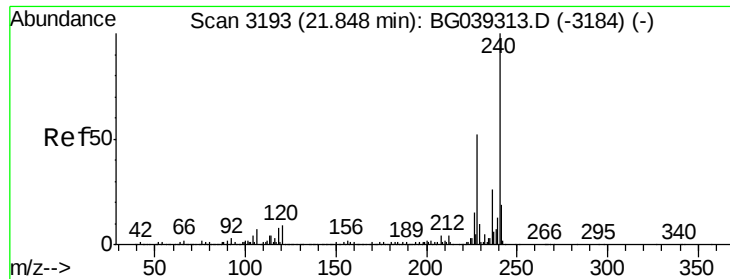
#67
 4-Bromophenyl-phenylether
 Concen: 4.515 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039618.D
 Acq: 27 Feb 2019 3:19

Tgt Ion:248 Resp: 20100
 Ion Ratio Lower Upper
 248 100
 250 182.4 77.6 116.4#
 141 493.2 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

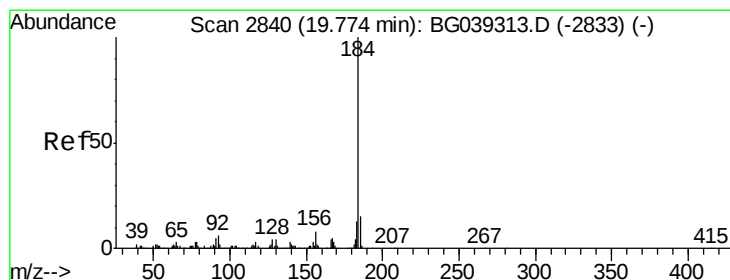
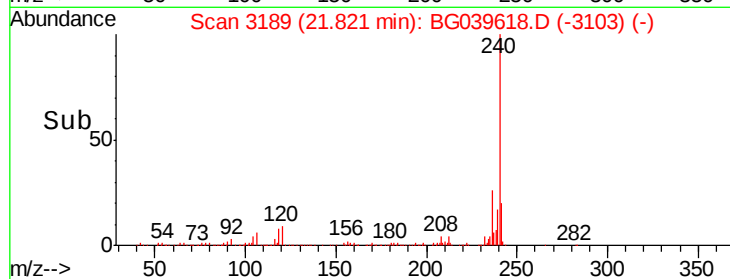
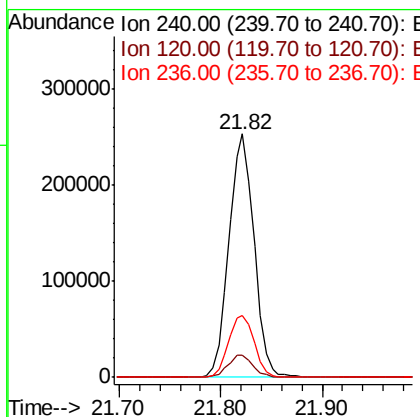
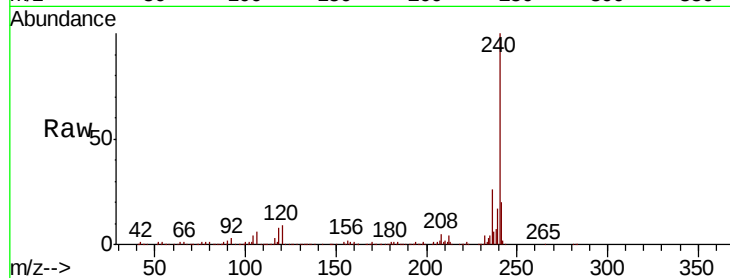




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3189
Delta R.T. -0.03 min
Lab File: BG039618.D
Acq: 27 Feb 2019 3:19

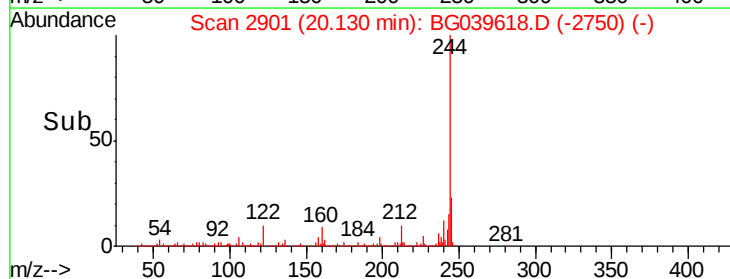
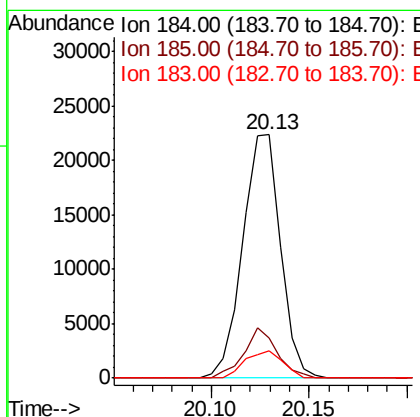
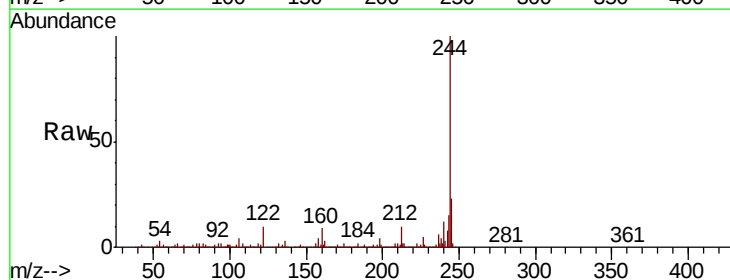
Instrument :
BNA_G
ClientSampleId :
TP-23

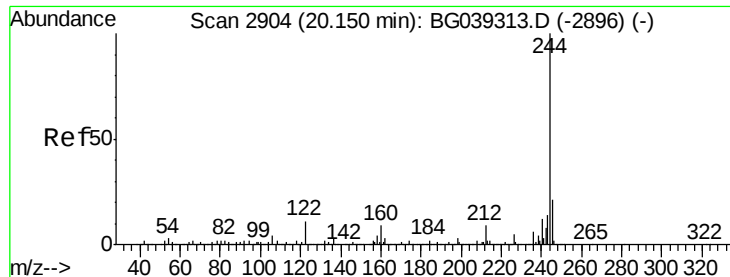
Tgt Ion:240 Resp: 433994
Ion Ratio Lower Upper
240 100
120 9.1 7.0 10.6
236 25.7 21.0 31.4



#77
Benzidine
Concen: 2.109 ng
RT: 20.13 min Scan# 2901
Delta R.T. 0.36 min
Lab File: BG039618.D
Acq: 27 Feb 2019 3:19

Tgt Ion:184 Resp: 30004
Ion Ratio Lower Upper
184 100
185 16.5 12.2 18.2
183 11.0 10.6 15.8

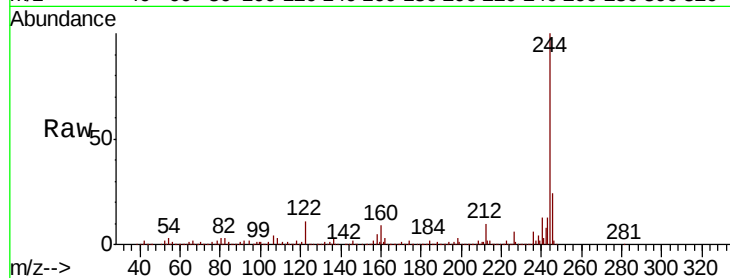




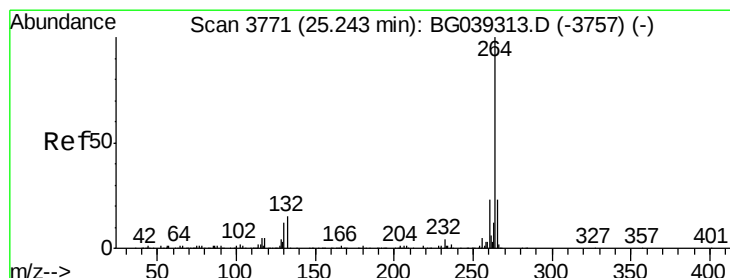
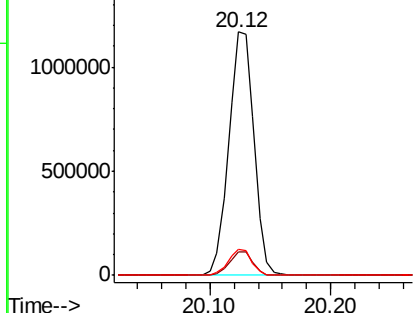
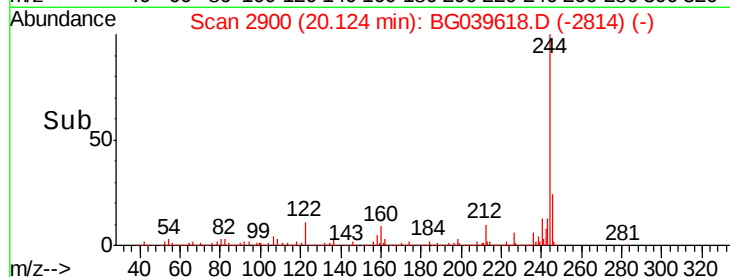
#79
 Terphenyl-d14
 Concen: 82.287 ng
 RT: 20.12 min Scan# 2900
 Delta R.T. -0.03 min
 Lab File: BG039618.D
 Acq: 27 Feb 2019 3:19

Instrument :
 BNA_G
 ClientSampleId :
 TP-23

Tgt Ion:244 Resp: 1687169
 Ion Ratio Lower Upper
 244 100
 212 9.8 7.3 10.9
 122 10.9 8.4 12.6

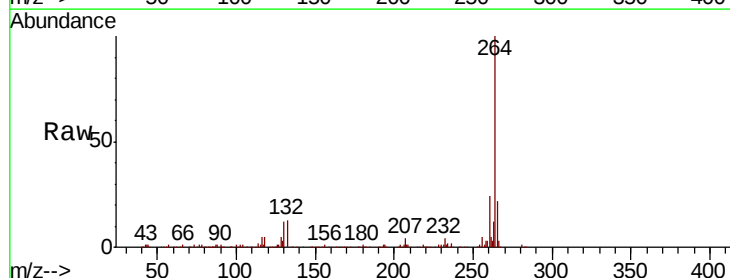


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.20 min Scan# 3764
 Delta R.T. -0.04 min
 Lab File: BG039618.D
 Acq: 27 Feb 2019 3:19

Tgt Ion:264 Resp: 431591
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.2 27.4
 265 21.7 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

