

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022619\
 Data File : BG039620.D
 Acq On : 27 Feb 2019 4:38
 Operator : JU/SJ
 Sample : K1597-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-26

Quant Time: Feb 27 06:36:29 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

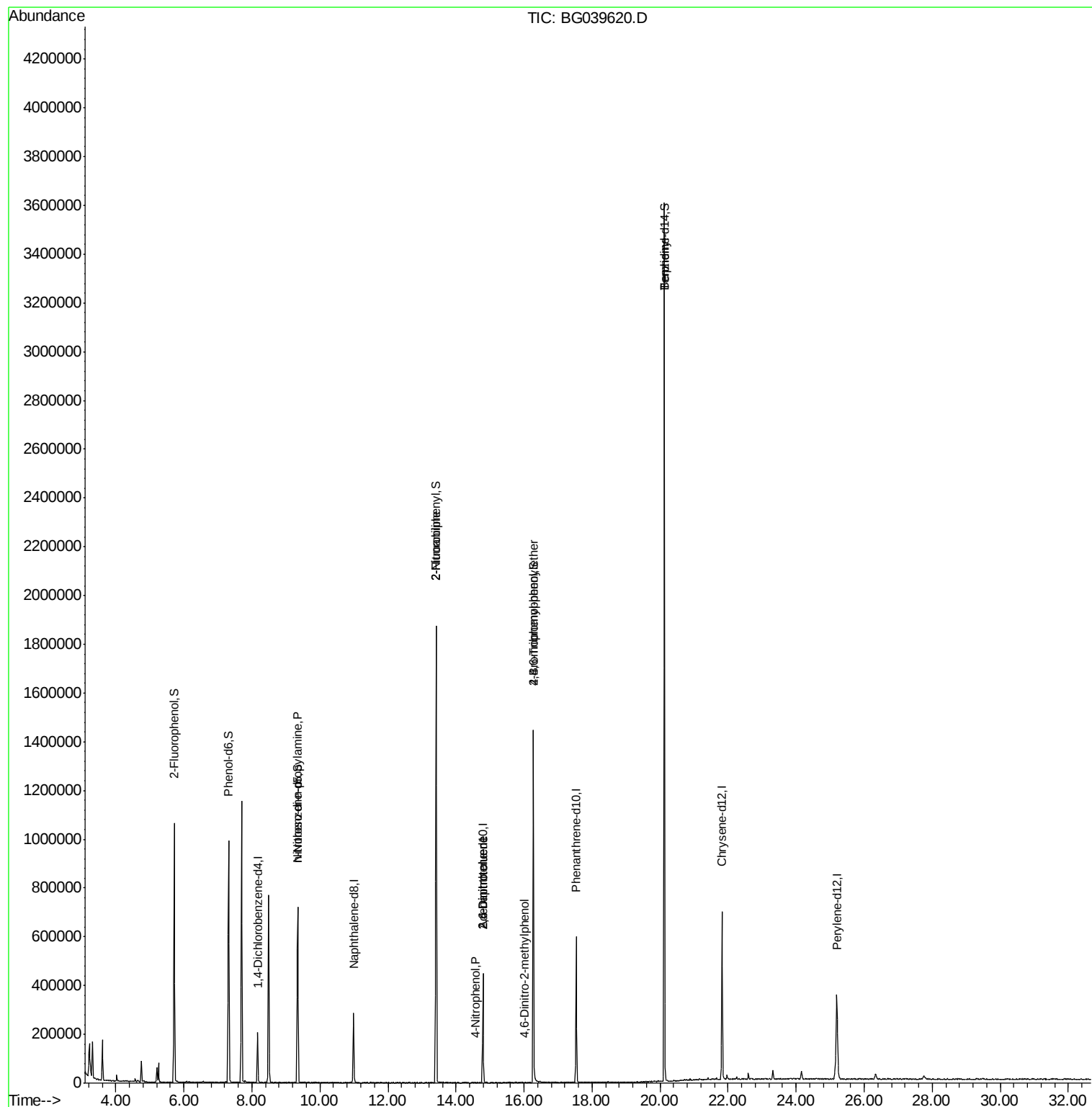
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	57599	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	244712	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	159755	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	379923	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	419384	20.00	ng	-0.03
87) Perylene-d12	25.20	264	412854	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	450764	133.94	ng	0.00
7) Phenol-d6	7.31	99	574884	116.05	ng	0.00
23) Nitrobenzene-d5	9.35	82	432077	110.30	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	259440	150.81	ng	-0.01
45) 2-Fluorobiphenyl	13.41	172	999547	89.76	ng	-0.02
79) Terphenyl-d14	20.13	244	1618833	81.70	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.30	77	1164	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.35	70	55229	15.708 ng	#	47
48) 2-Nitroaniline	13.41	65	1589	8.754 ng	#	1
51) 2,6-Dinitrotoluene	14.79	165	20115	13.761 ng	#	24
56) 4-Nitrophenol	14.57	139	55	5.816 ng	#	1
57) 2,4-Dinitrotoluene	14.79	165	20115	13.276 ng	#	19
65) 4,6-Dinitro-2-methylphenol	16.01	198	56	4.217 ng	#	32
67) 4-Bromophenyl-phenylether	16.27	248	20515	4.867 ng	#	1
77) Benzidine	20.13	184	30246	2.200 ng	#	94

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

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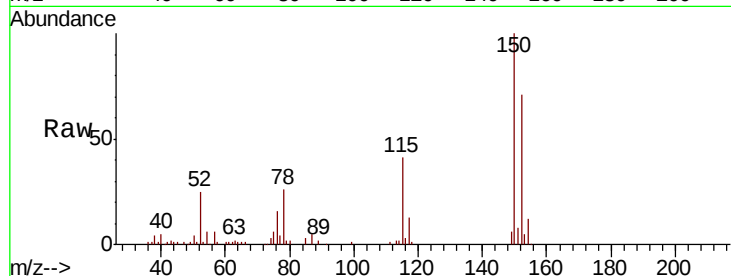


#1

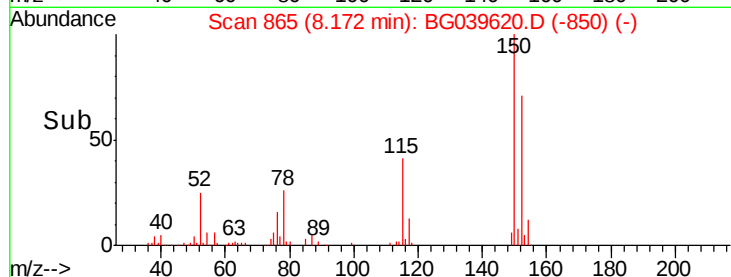
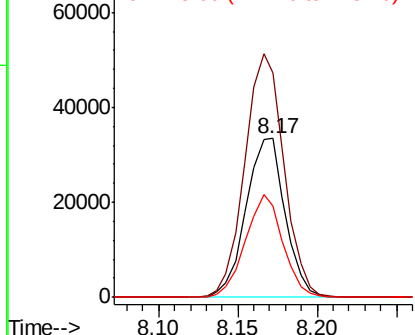
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039620.D
Acq: 27 Feb 2019 4:38

Instrument :
BNA_G
ClientSampleId :
TP-26

Tgt Ion:152 Resp: 57599
Ion Ratio Lower Upper
152 100
150 141.1 123.7 185.5
115 57.2 45.9 68.9



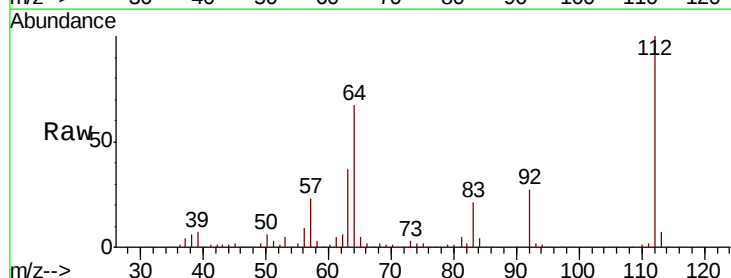
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



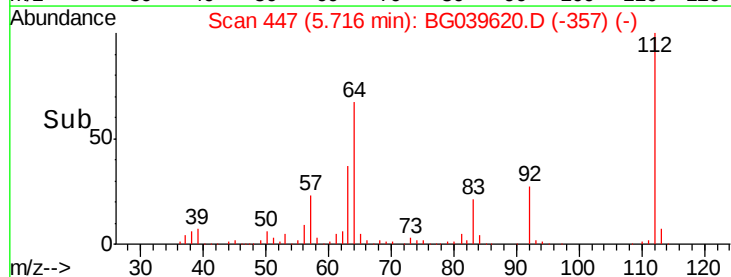
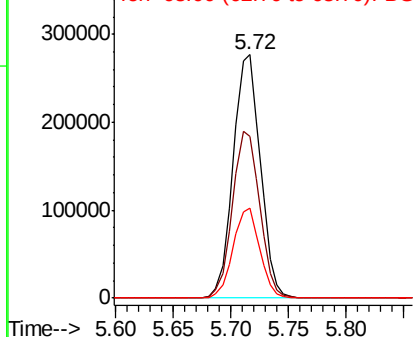
#5

2-Fluorophenol
Concen: 133.941 ng
RT: 5.72 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039620.D
Acq: 27 Feb 2019 4:38

Tgt Ion:112 Resp: 450764
Ion Ratio Lower Upper
112 100
64 66.7 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): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 116.050 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039620.D

Acq: 27 Feb 2019 4:38

Instrument :

BNA_G

ClientSampleId :

TP-26

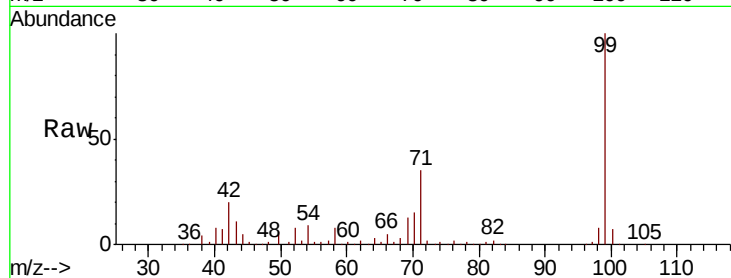
Tgt Ion: 99 Resp: 574884

Ion Ratio Lower Upper

99 100

42 20.1 18.2 27.2

71 35.5 28.0 42.0

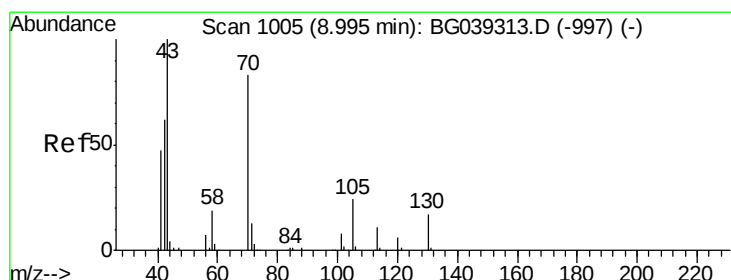
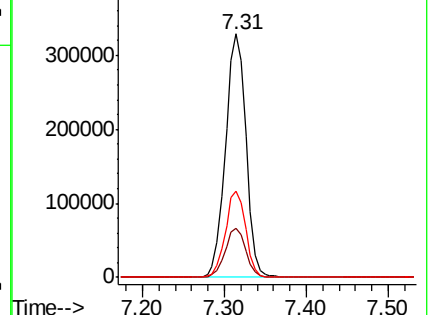
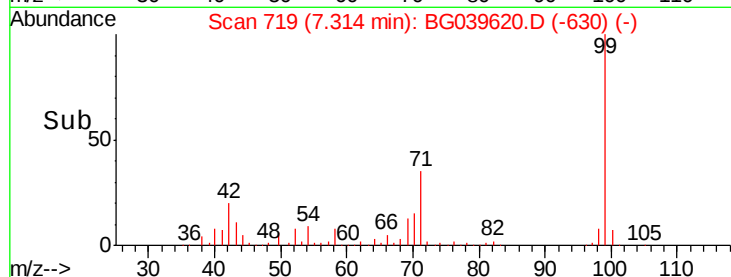


Abundance

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: 15.708 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039620.D

Acq: 27 Feb 2019 4:38

Tgt Ion: 70 Resp: 55229

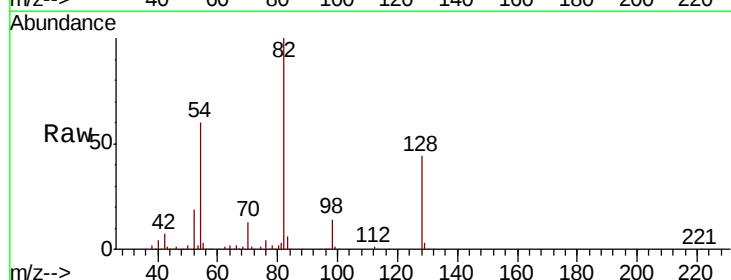
Ion Ratio Lower Upper

70 100

42 51.7 60.4 90.6#

101 0.0 7.5 11.3#

130 1.6 16.9 25.3#



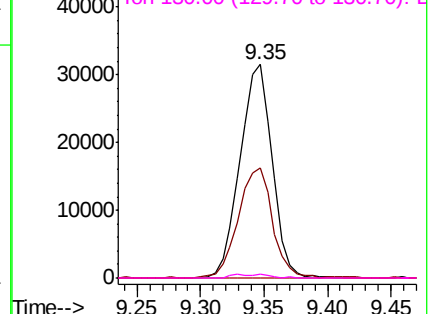
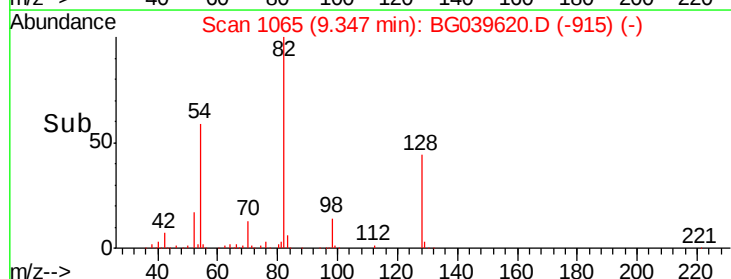
Abundance

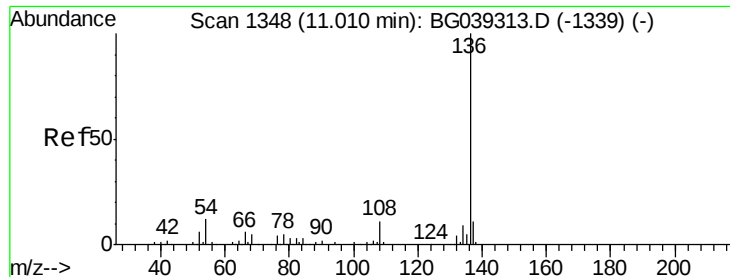
Ion 70.00 (69.70 to 70.70): BGC

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

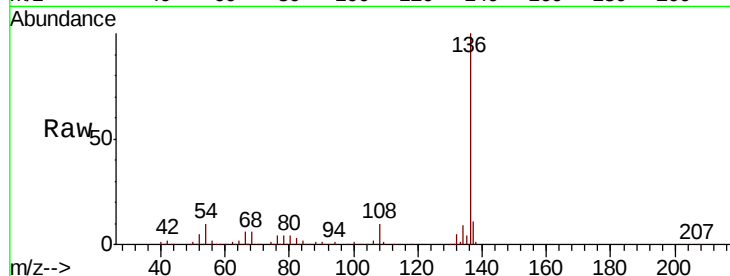




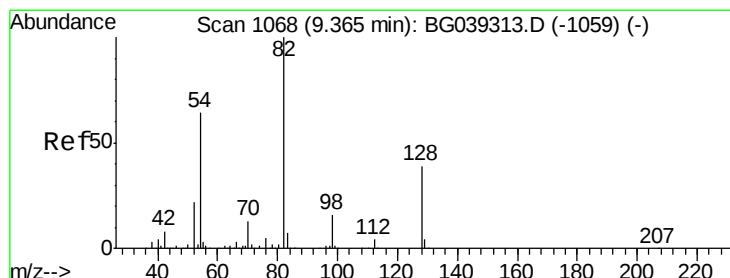
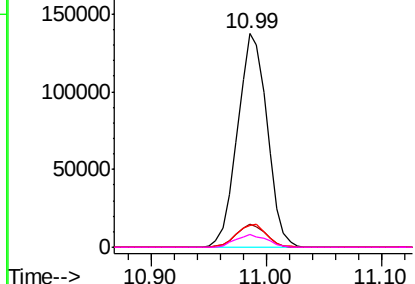
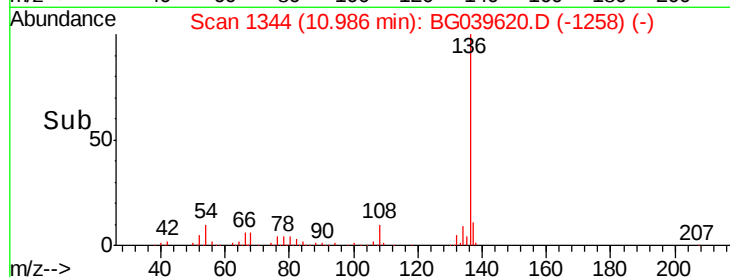
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1344
Delta R.T. -0.02 min
Lab File: BG039620.D
Acq: 27 Feb 2019 4:38

Instrument :
BNA_G
ClientSampleId :
TP-26

Tgt Ion:	136	Resp:	244712
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	10.3	9.4	14.2
68	6.0	4.2	6.4

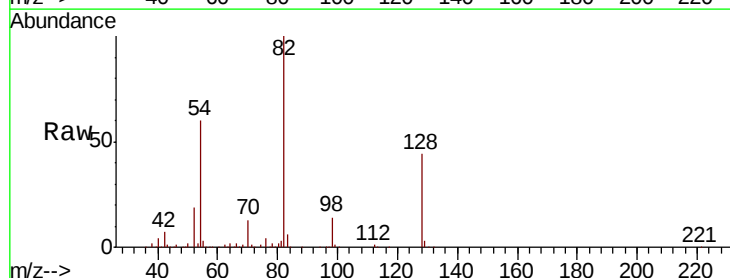


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

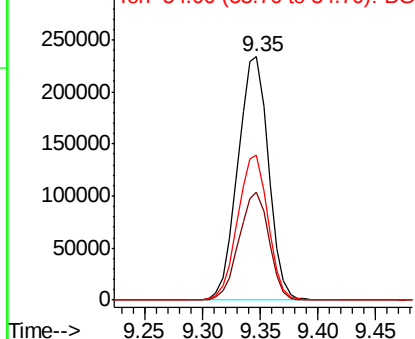
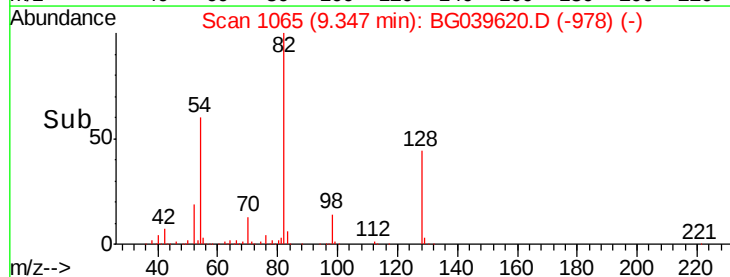


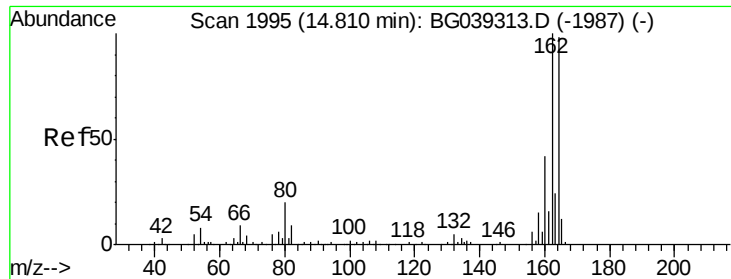
#23
Nitrobenzene-d5
Concen: 110.303 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039620.D
Acq: 27 Feb 2019 4:38

Tgt Ion:	82	Resp:	432077
Ion	Ratio	Lower	Upper
82	100		
128	44.4	31.3	46.9
54	59.6	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

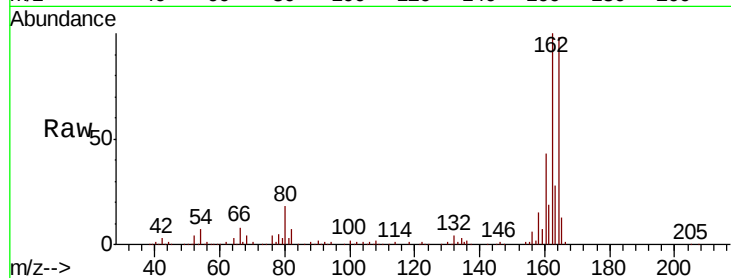




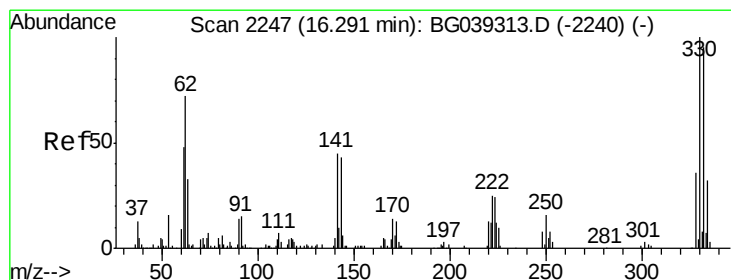
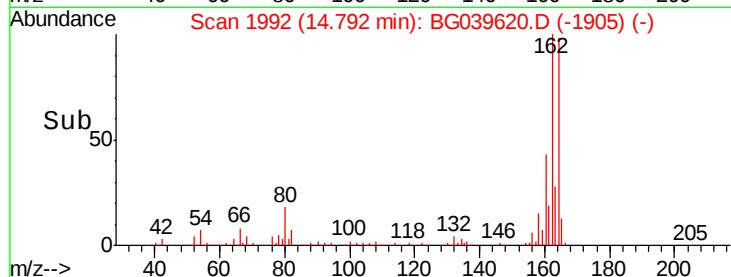
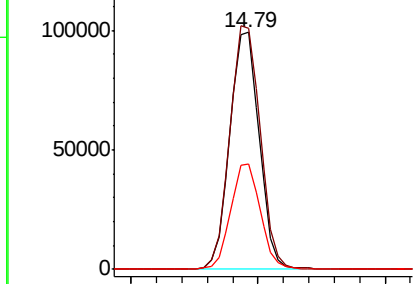
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039620.D
Acq: 27 Feb 2019 4:38

Instrument :
BNA_G
ClientSampleId :
TP-26

Tgt Ion:164 Resp: 159755
Ion Ratio Lower Upper
164 100
162 101.7 81.6 122.4
160 44.2 34.2 51.2

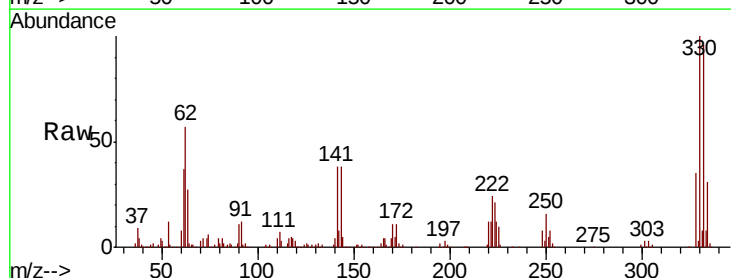


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

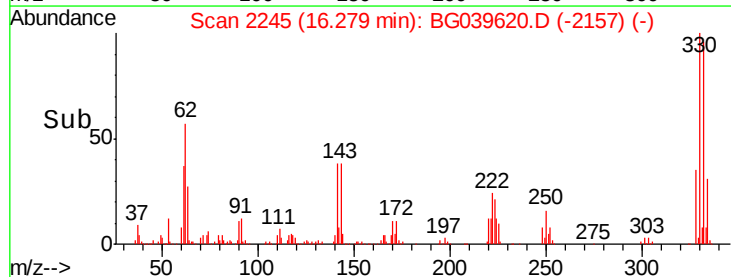
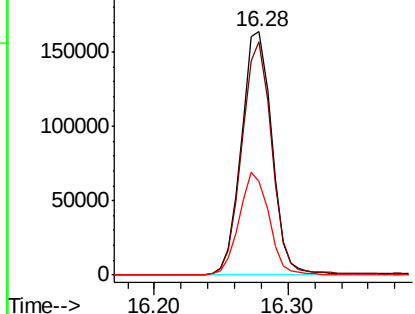


#42
2,4,6-Tribromophenol
Concen: 150.812 ng
RT: 16.28 min Scan# 2245
Delta R.T. -0.01 min
Lab File: BG039620.D
Acq: 27 Feb 2019 4:38

Tgt Ion:330 Resp: 259440
Ion Ratio Lower Upper
330 100
332 95.4 75.7 113.5
141 41.4 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

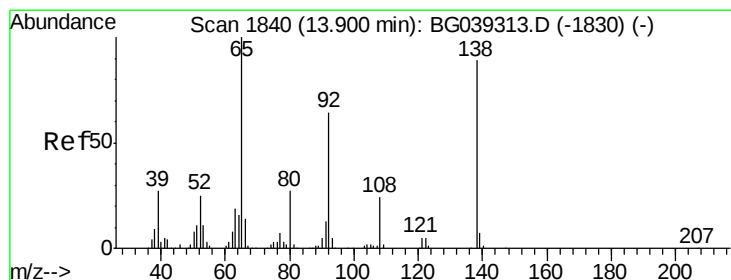
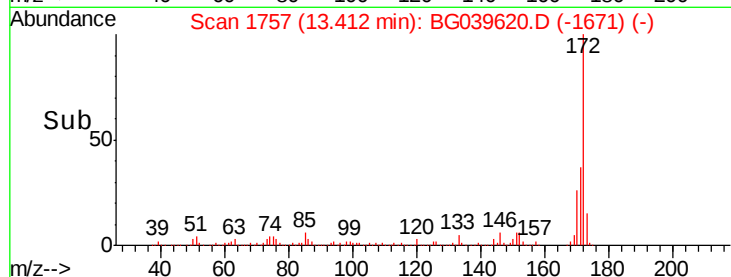
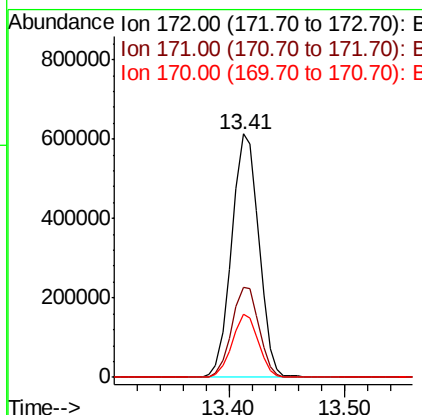
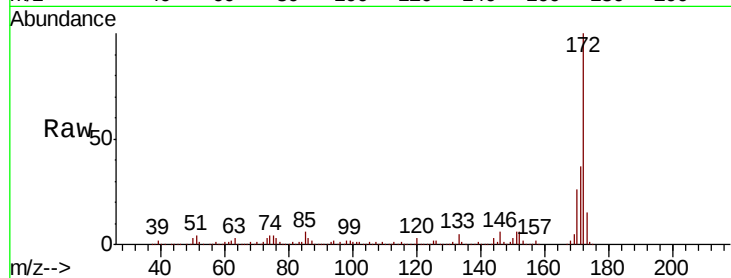




#45
 2-Fluorobiphenyl
 Concen: 89.756 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.02 min
 Lab File: BG039620.D
 Acq: 27 Feb 2019 4:38

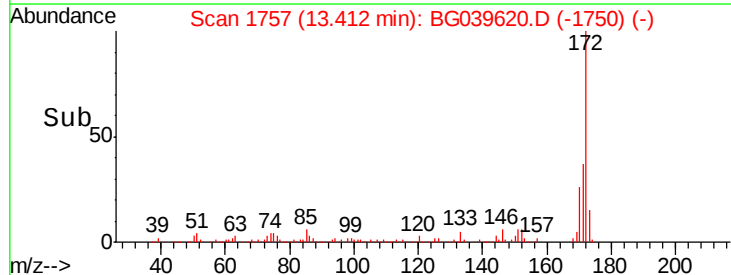
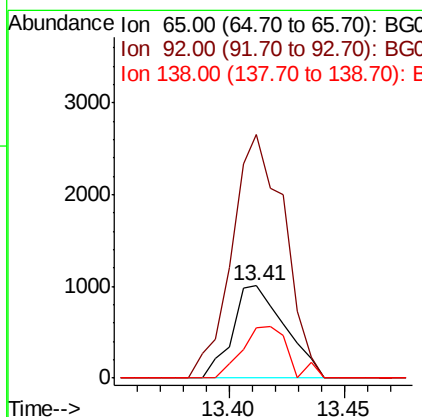
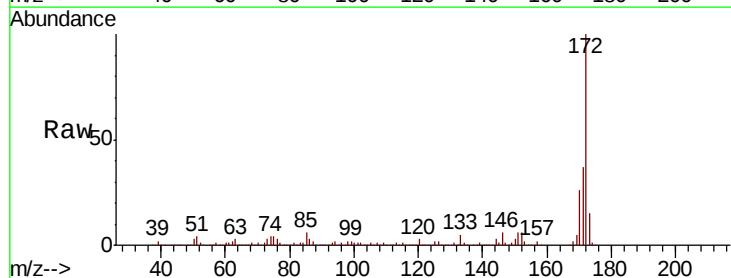
Instrument :
 BNA_G
 ClientSampleId :
 TP-26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.8	46.2
170	25.9	20.2	30.4



#48
 2-Nitroaniline
 Concen: 8.754 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.49 min
 Lab File: BG039620.D
 Acq: 27 Feb 2019 4:38

Tgt Ion	Ratio	Lower	Upper
65	100		
92	263.4	51.4	77.2#
138	54.6	71.4	107.2#

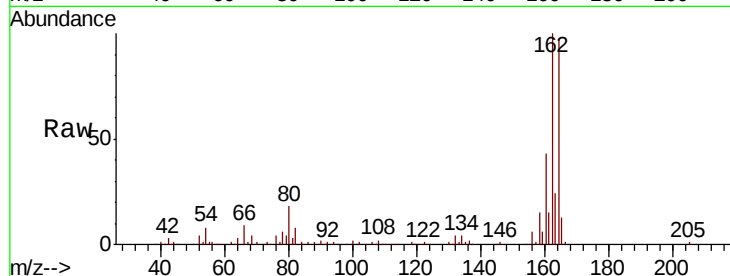




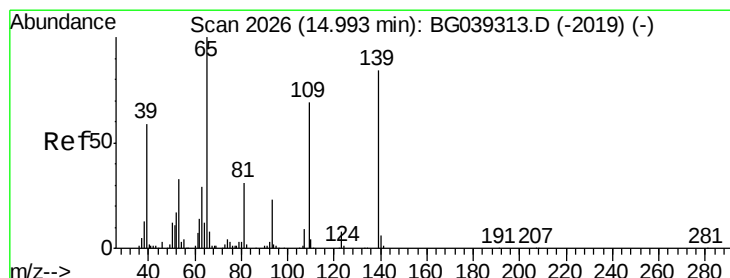
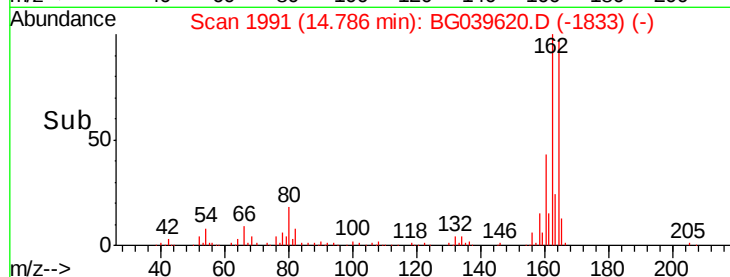
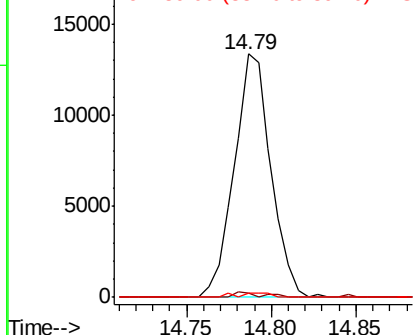
#51
 2,6-Dinitrotoluene
 Concen: 13.761 ng
 RT: 14.79 min Scan# 1991
 Delta R.T. 0.40 min
 Lab File: BG039620.D
 Acq: 27 Feb 2019 4:38

Instrument :
 BNA_G
 ClientSampleId :
 TP-26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	47.0	70.6#
89	1.7	45.8	68.8#

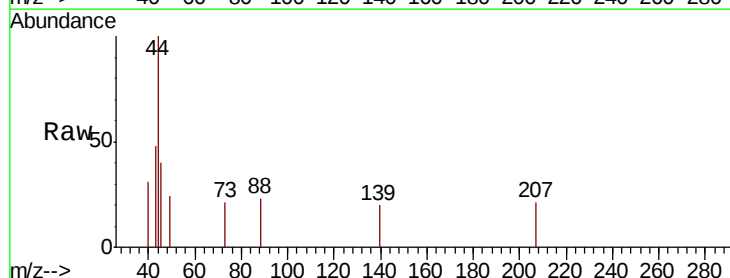


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

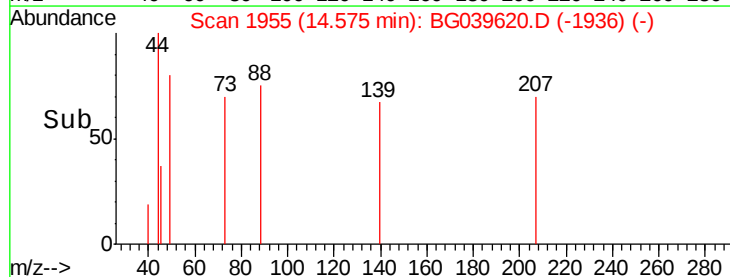
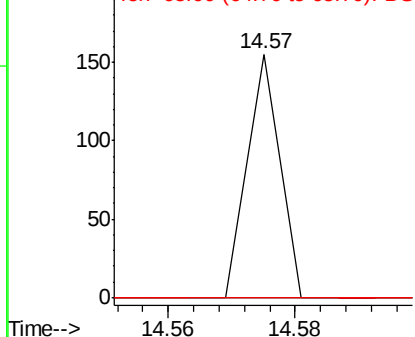


#56
 4-Nitrophenol
 Concen: 5.816 ng
 RT: 14.57 min Scan# 1955
 Delta R.T. -0.42 min
 Lab File: BG039620.D
 Acq: 27 Feb 2019 4:38

Tgt 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): BG

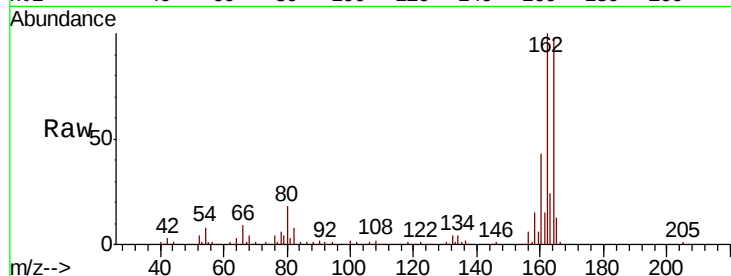




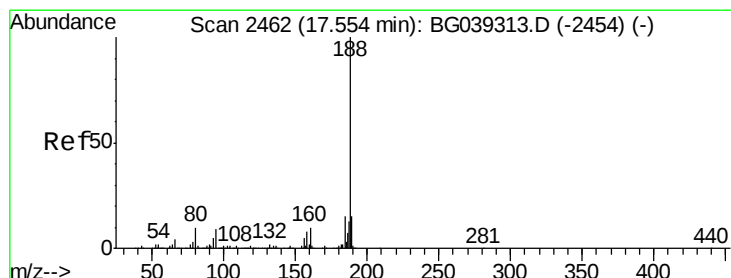
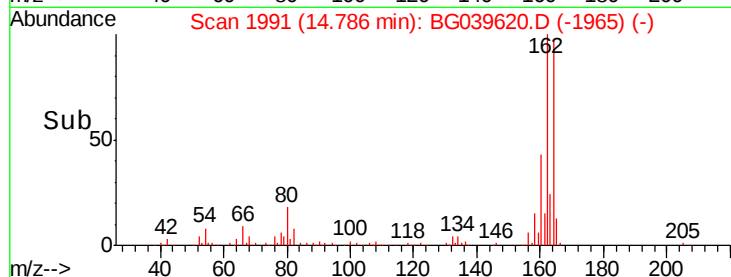
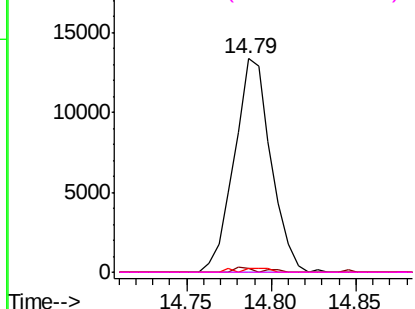
#57
 2,4-Dinitrotoluene
 Concen: 13.276 ng
 RT: 14.79 min Scan# 1991
 Delta R.T. -0.38 min
 Lab File: BG039620.D
 Acq: 27 Feb 2019 4:38

Instrument :
 BNA_G
 ClientSampleId :
 TP-26

Tgt Ion:	165	Resp:	20115
Ion	Ratio	Lower	Upper
165	100		
63	1.8	41.0	61.6#
89	1.7	64.6	96.8#
182	0.0	2.0	3.0#

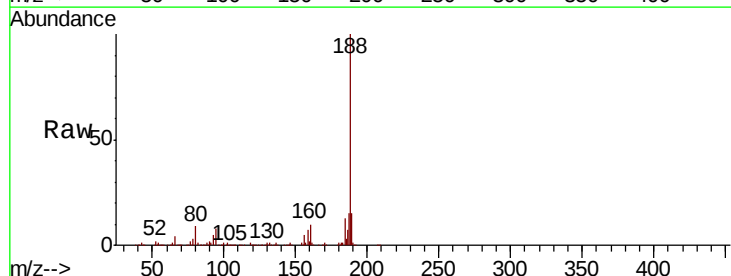


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

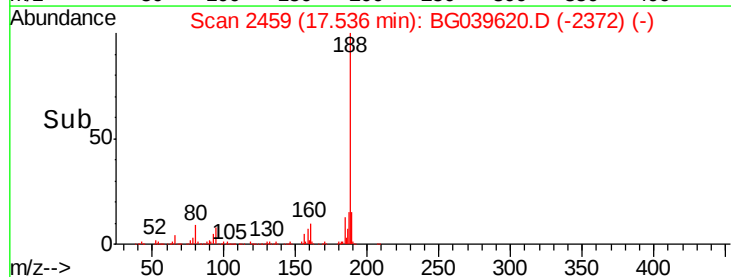
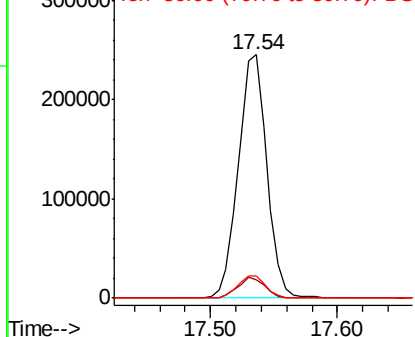


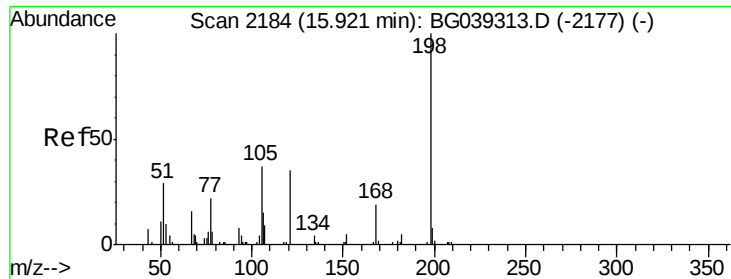
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.54 min Scan# 2459
 Delta R.T. -0.02 min
 Lab File: BG039620.D
 Acq: 27 Feb 2019 4:38

Tgt Ion:	188	Resp:	379923
Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.9	10.3
80	8.9	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

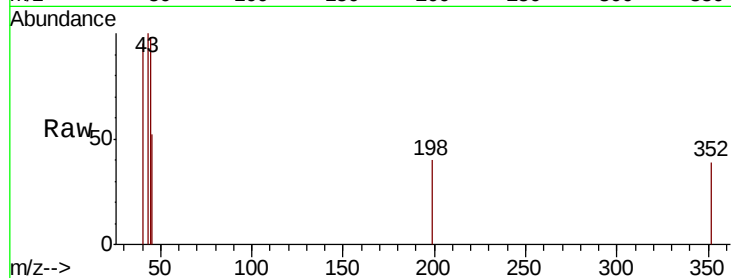




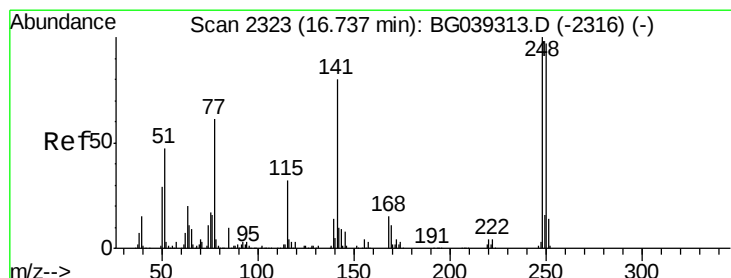
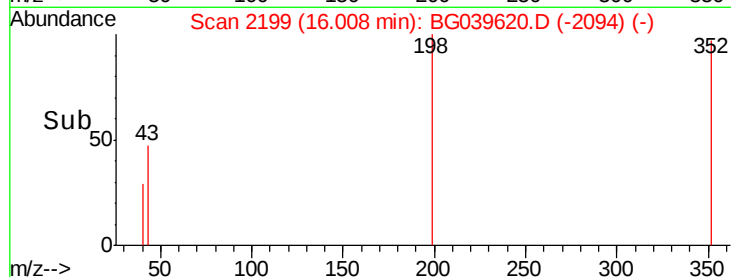
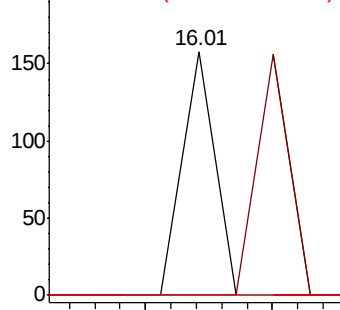
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.217 ng
 RT: 16.01 min Scan# 2199
 Delta R.T. 0.09 min
 Lab File: BG039620.D
 Acq: 27 Feb 2019 4:38

Instrument :
 BNA_G
 ClientSampleId :
 TP-26

Tgt Ion:198 Resp: 56
 Ion Ratio Lower Upper
 198 100
 51 0.0 27.4 67.4#
 105 0.0 19.7 59.7#

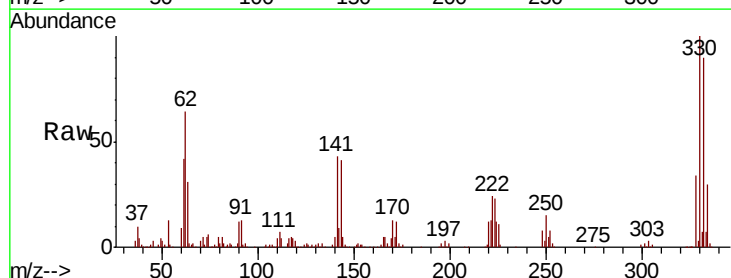


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

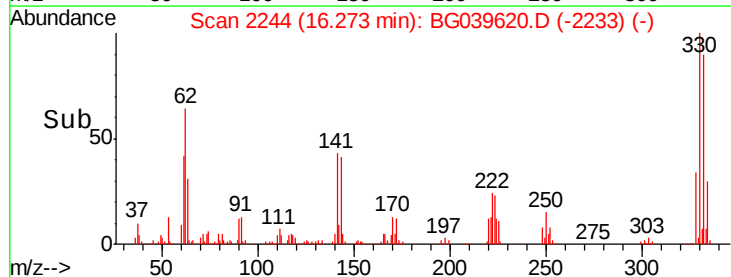
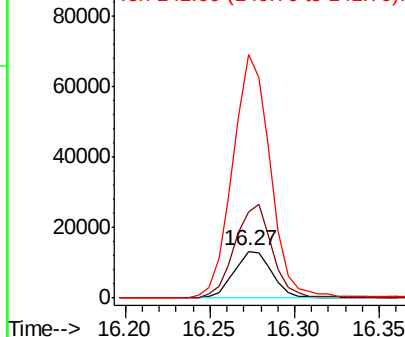


#67
 4-Bromophenyl-phenylether
 Concen: 4.867 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.46 min
 Lab File: BG039620.D
 Acq: 27 Feb 2019 4:38

Tgt Ion:248 Resp: 20515
 Ion Ratio Lower Upper
 248 100
 250 182.7 77.6 116.4#
 141 517.2 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

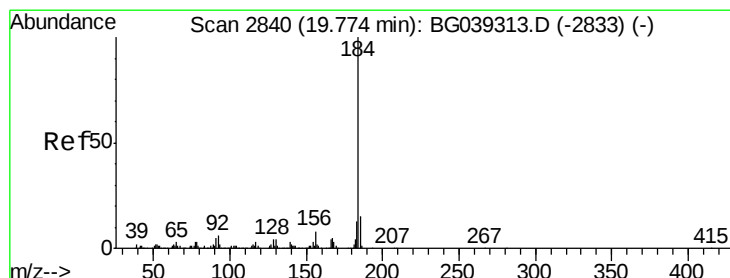
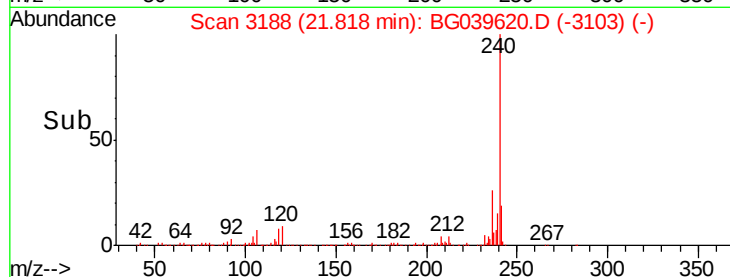
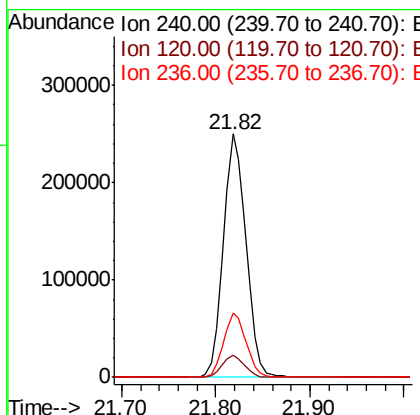
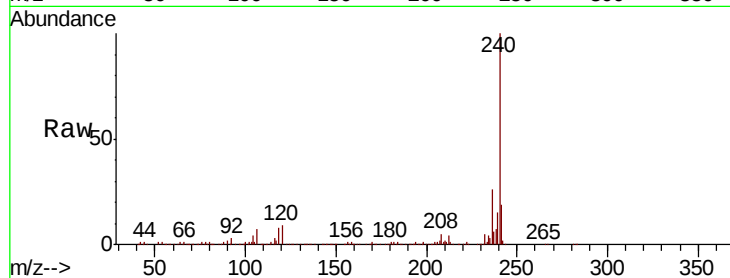




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3188
Delta R.T. -0.03 min
Lab File: BG039620.D
Acq: 27 Feb 2019 4:38

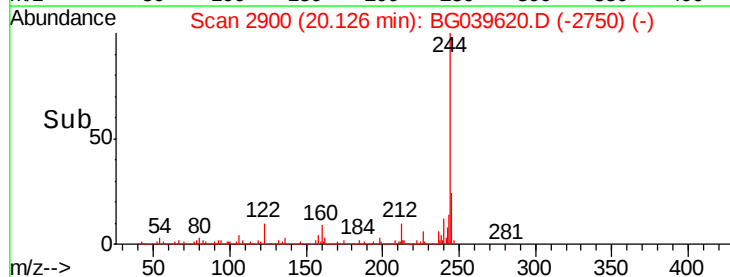
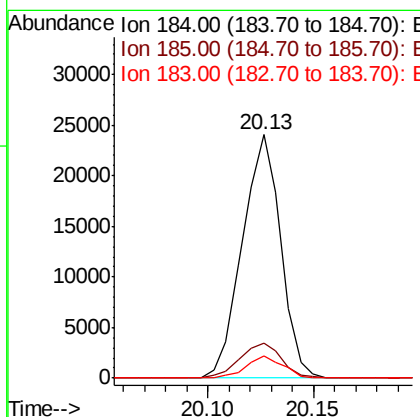
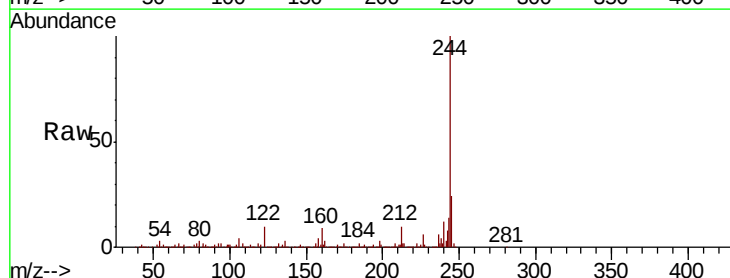
Instrument :
BNA_G
ClientSampleId :
TP-26

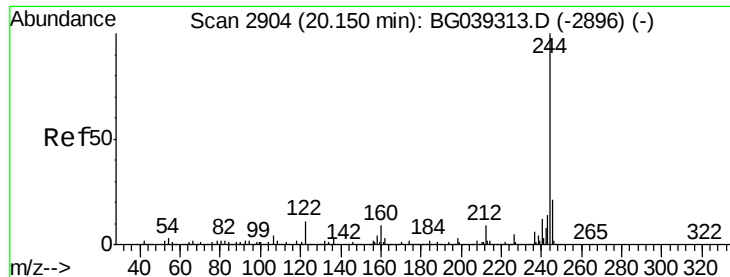
Tgt Ion:240 Resp: 419384
Ion Ratio Lower Upper
240 100
120 8.9 7.0 10.6
236 26.4 21.0 31.4



#77
Benzidine
Concen: 2.200 ng
RT: 20.13 min Scan# 2900
Delta R.T. 0.35 min
Lab File: BG039620.D
Acq: 27 Feb 2019 4:38

Tgt Ion:184 Resp: 30246
Ion Ratio Lower Upper
184 100
185 14.6 12.2 18.2
183 9.1 10.6 15.8#

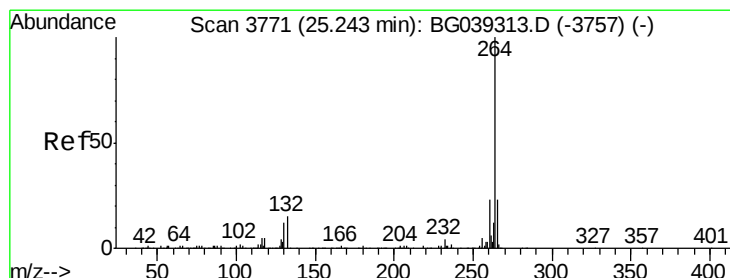
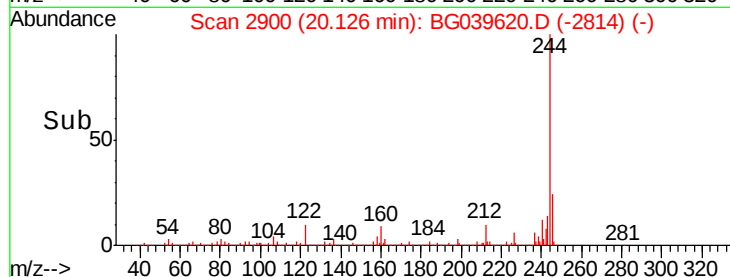
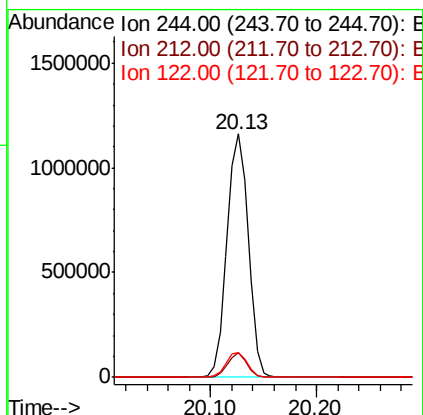
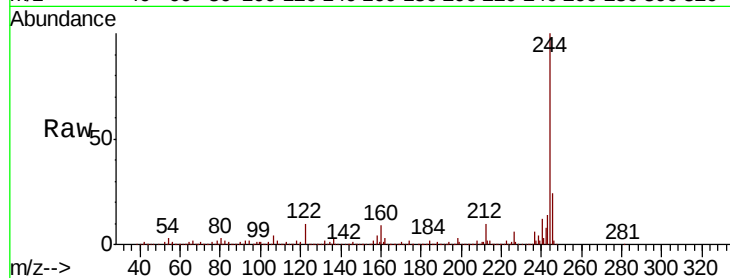




#79
 Terphenyl-d14
 Concen: 81.705 ng
 RT: 20.13 min Scan# 2900
 Delta R.T. -0.02 min
 Lab File: BG039620.D
 Acq: 27 Feb 2019 4:38

Instrument :
 BNA_G
 ClientSampleId :
 TP-26

Tgt Ion:244 Resp: 1618833
 Ion Ratio Lower Upper
 244 100
 212 9.9 7.3 10.9
 122 9.9 8.4 12.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.20 min Scan# 3763
 Delta R.T. -0.05 min
 Lab File: BG039620.D
 Acq: 27 Feb 2019 4:38

Tgt Ion:264 Resp: 412854
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.2 27.4
 265 21.8 18.5 27.7

