

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021219\
 Data File : BG039484.D
 Acq On : 13 Feb 2019 4:30
 Operator : JU/SJ
 Sample : K1458-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-4

Quant Time: Feb 13 06:58:35 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

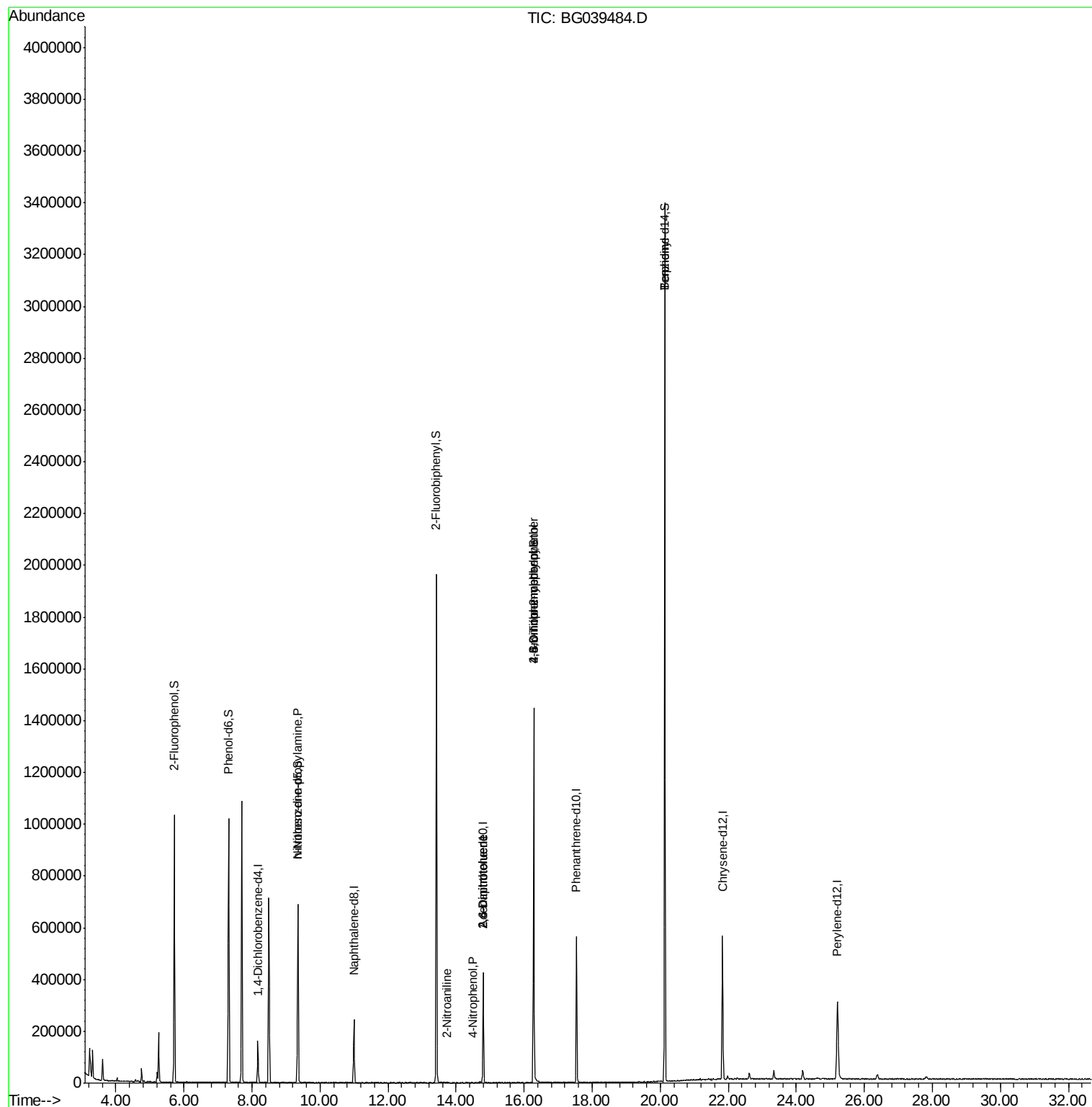
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	44343	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	211468	20.00	ng	-0.02
39) Acenaphthene-d10	14.80	164	150895	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	351233	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	349108	20.00	ng	-0.02
87) Perylene-d12	25.22	264	340686	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	428451	165.37	ng	0.00
7) Phenol-d6	7.31	99	588435	154.30	ng	0.00
23) Nitrobenzene-d5	9.35	82	411885	121.68	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	255332	157.14	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	1012741	96.28	ng	-0.02
79) Terphenyl-d14	20.13	244	1530174	92.78	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.32	77	1124	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.35	70	53616	19.808 ng	#	15
48) 2-Nitroaniline	13.74	65	108	8.329 ng	#	66
51) 2,6-Dinitrotoluene	14.80	165	19169	13.825 ng	#	10
56) 4-Nitrophenol	14.50	139	59	5.819 ng	#	23
57) 2,4-Dinitrotoluene	14.80	165	19169	13.324 ng	#	1
65) 4,6-Dinitro-2-methylphenol	16.28	198	1052	5.135 ng	#	19
67) 4-Bromophenyl-phenylether	16.28	248	20301	5.210 ng	#	1
77) Benzidine	20.13	184	27473	2.400 ng	#	90

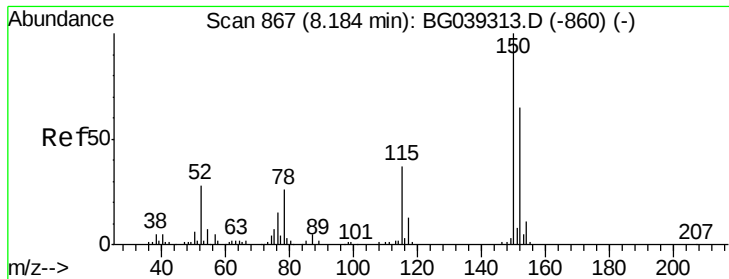
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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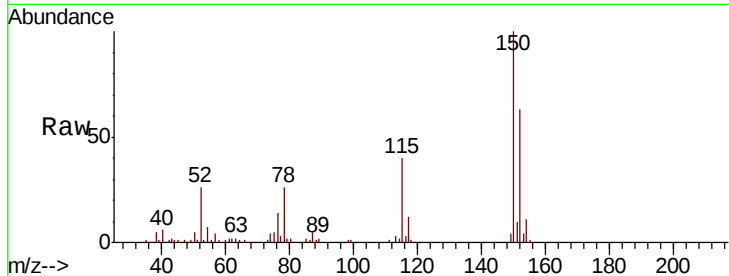


#1

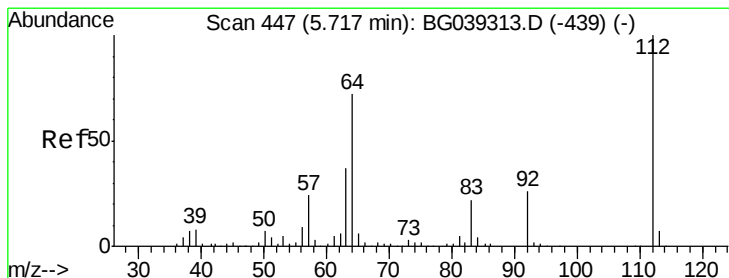
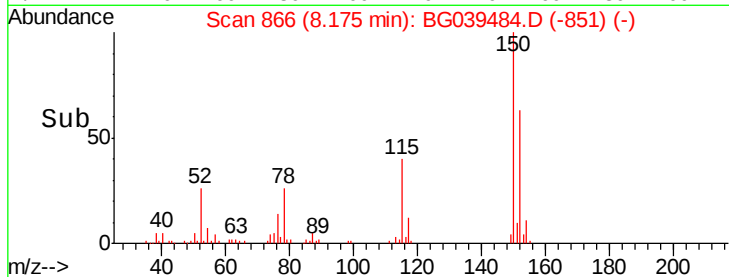
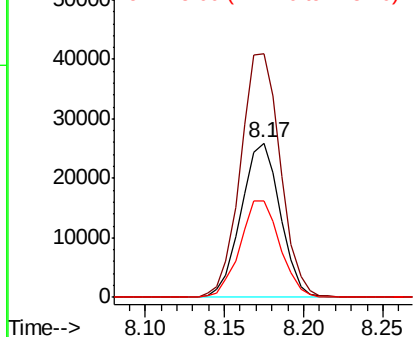
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039484.D
Acq: 13 Feb 2019 4:30

Instrument :
BNA_G
ClientSampled :
WC-4

Tgt Ion:152 Resp: 44343
Ion Ratio Lower Upper
152 100
150 157.5 123.7 185.5
115 62.6 45.9 68.9



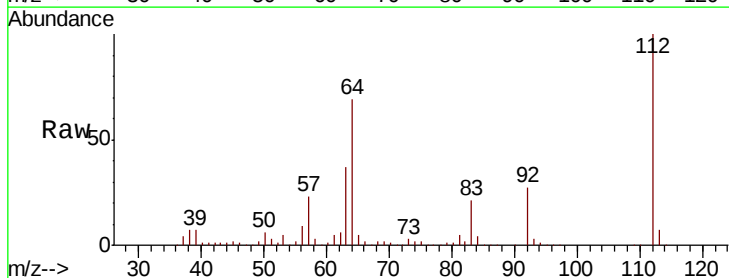
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



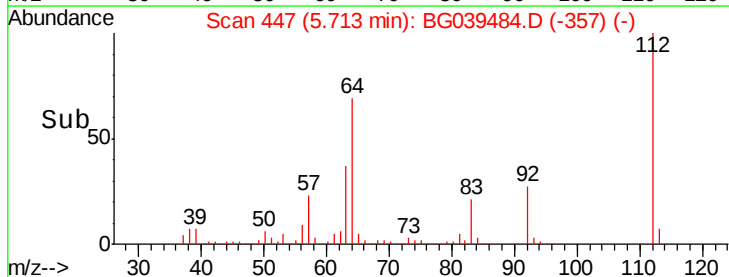
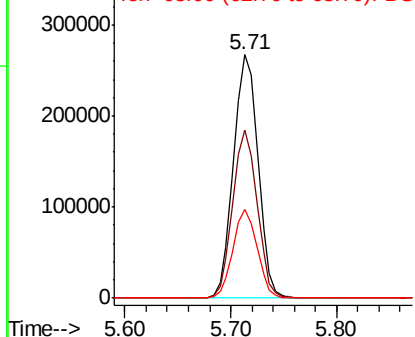
#5

2-Fluorophenol
Concen: 165.369 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039484.D
Acq: 13 Feb 2019 4:30

Tgt Ion:112 Resp: 428451
Ion Ratio Lower Upper
112 100
64 69.0 57.8 86.8
63 36.5 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: 154.295 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039484.D

Acq: 13 Feb 2019 4:30

Instrument :

BNA_G

ClientSampled :

WC-4

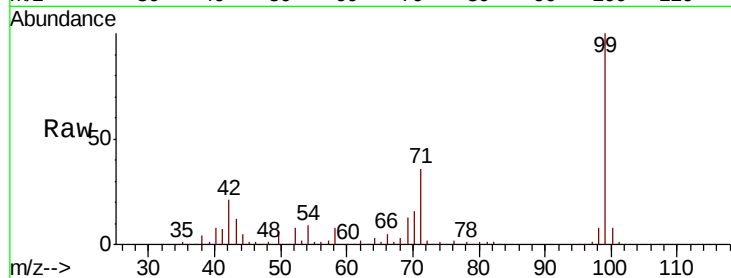
Tgt Ion: 99 Resp: 588435

Ion Ratio Lower Upper

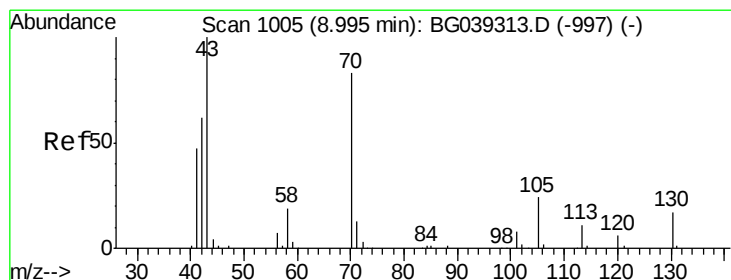
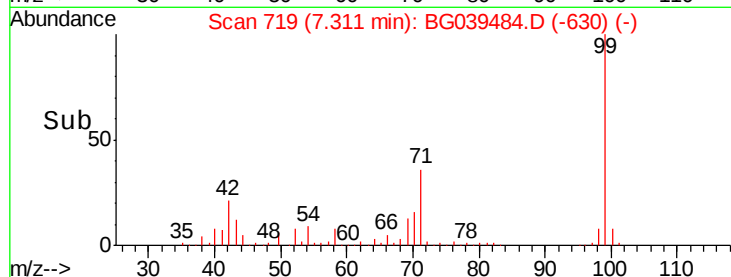
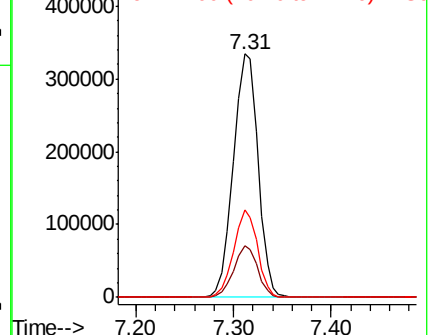
99 100

42 21.1 18.2 27.2

71 36.1 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: 19.808 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.35 min

Lab File: BG039484.D

Acq: 13 Feb 2019 4:30

Tgt Ion: 70 Resp: 53616

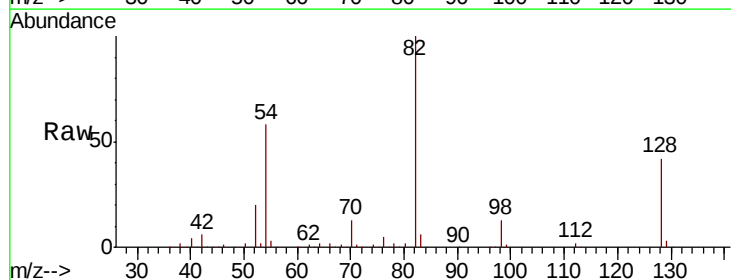
Ion Ratio Lower Upper

70 100

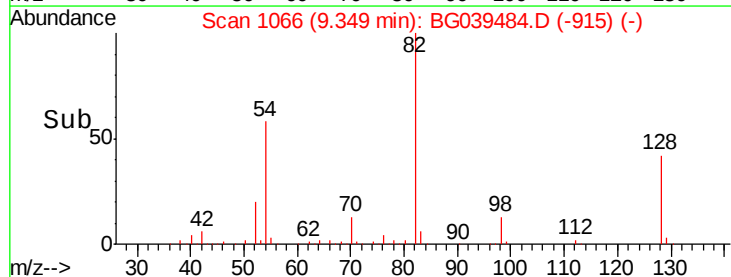
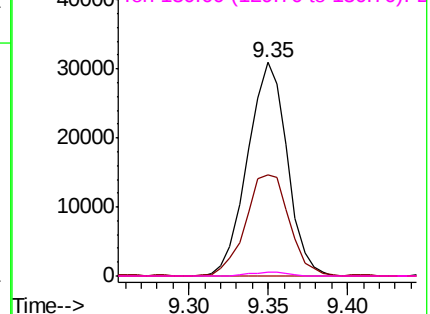
42 47.6 60.4 90.6#

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

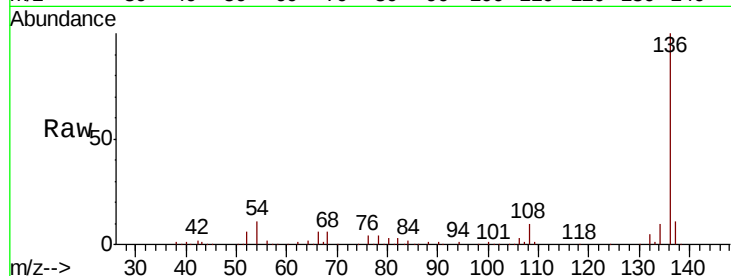




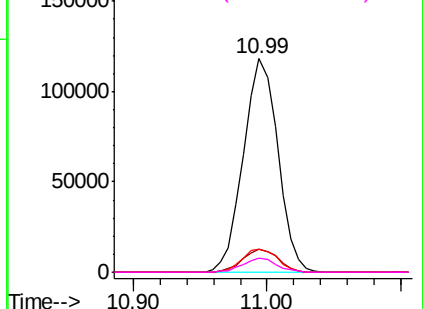
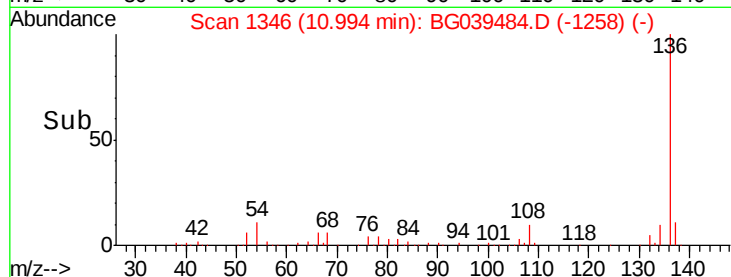
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BG039484.D
Acq: 13 Feb 2019 4:30

Instrument :
BNA_G
ClientSampleId :
WC-4

Tgt Ion:	136	Resp:	211468
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	10.8	9.4	14.2
68	6.4	4.2	6.4#

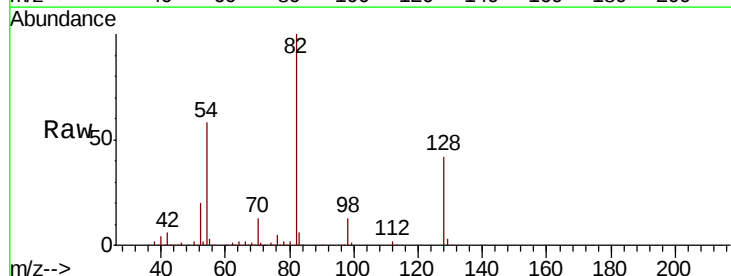


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

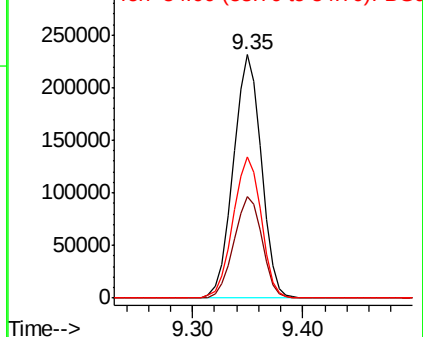
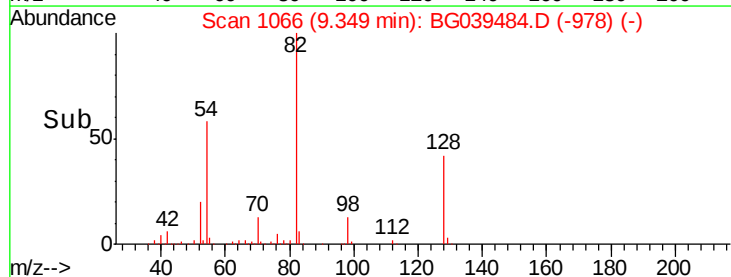


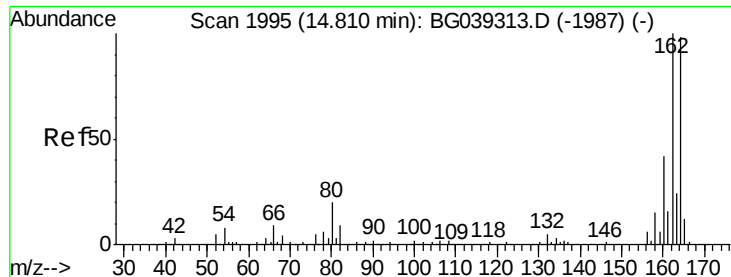
#23
Nitrobenzene-d5
Concen: 121.679 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039484.D
Acq: 13 Feb 2019 4:30

Tgt Ion:	82	Resp:	411885
Ion	Ratio	Lower	Upper
82	100		
128	41.9	31.3	46.9
54	58.1	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: 14.80 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BG039484.D

Acq: 13 Feb 2019 4:30

Instrument :

BNA_G

ClientSampleId :

WC-4

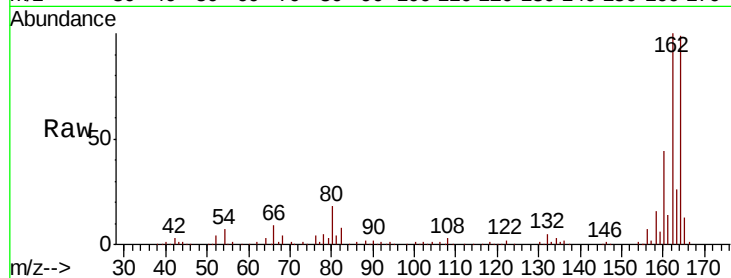
Tgt Ion:164 Resp: 150895

Ion Ratio Lower Upper

164 100

162 100.6 81.6 122.4

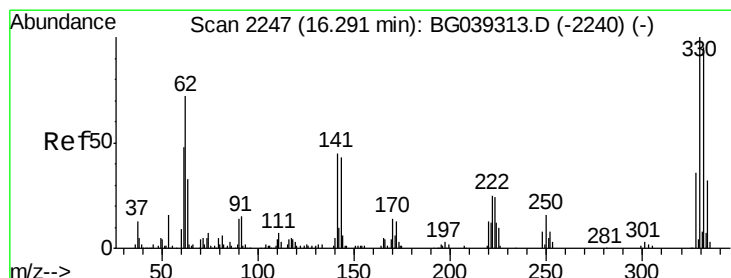
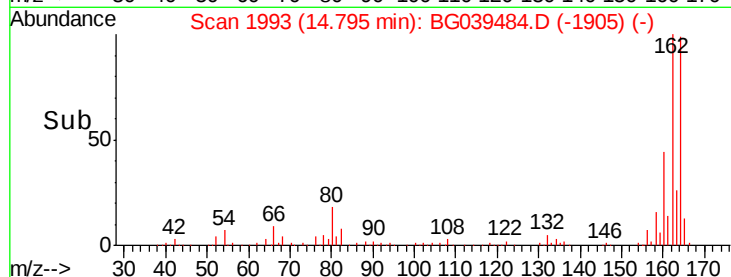
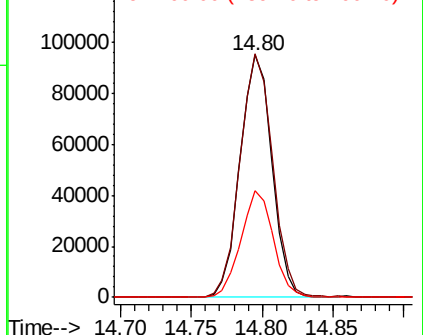
160 44.0 34.2 51.2



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: 157.139 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039484.D

Acq: 13 Feb 2019 4:30

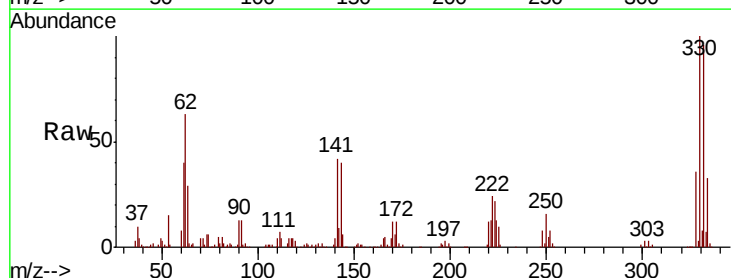
Tgt Ion:330 Resp: 255332

Ion Ratio Lower Upper

330 100

332 95.6 75.7 113.5

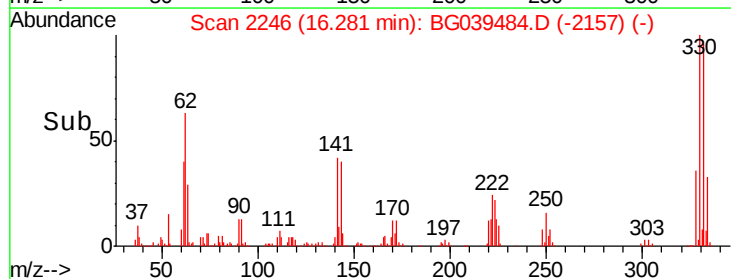
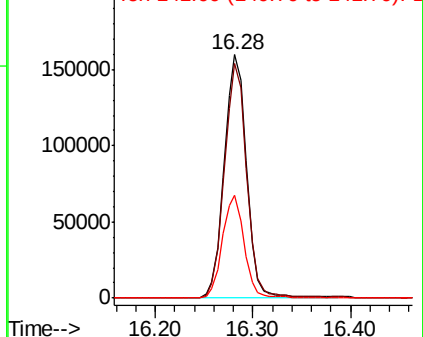
141 41.3 35.6 53.4



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

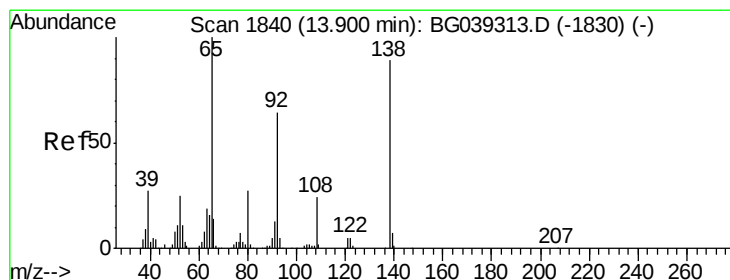
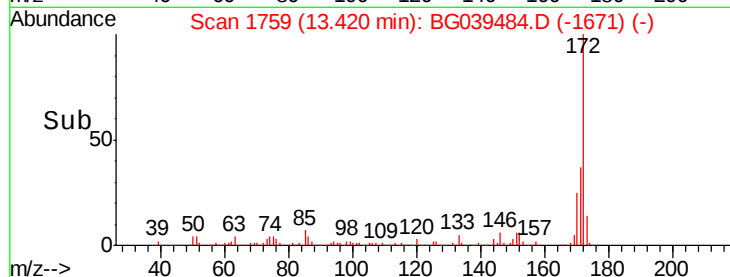
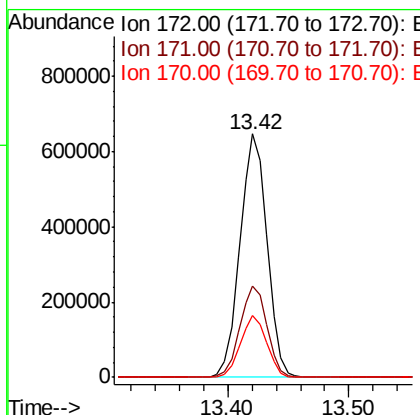
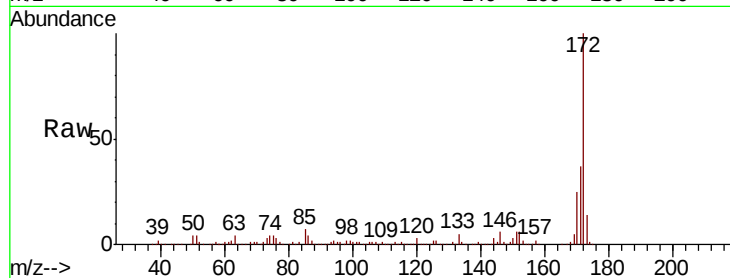




#45
 2-Fluorobiphenyl
 Concen: 96.281 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.02 min
 Lab File: BG039484.D
 Acq: 13 Feb 2019 4:30

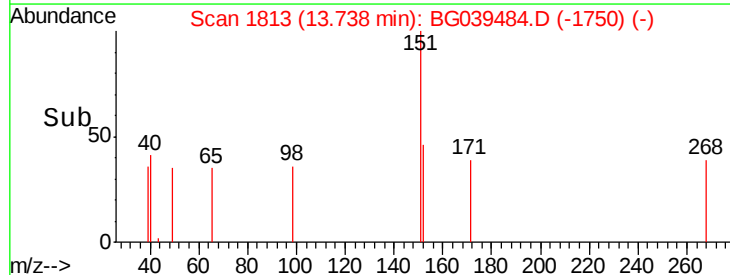
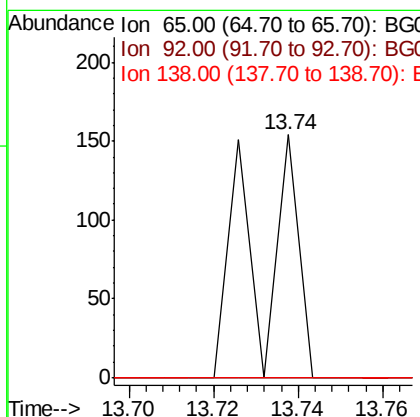
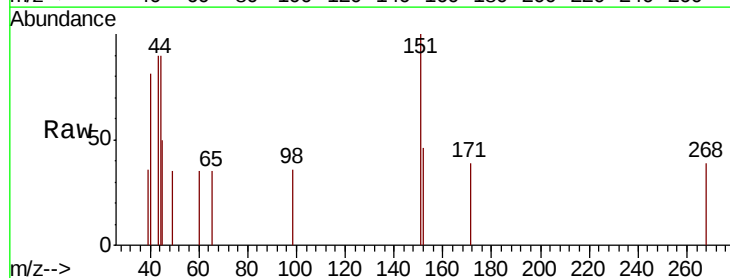
Instrument :
 BNA_G
 ClientSampleId :
 WC-4

Tgt Ion: 172 Resp: 1012741
 Ion Ratio Lower Upper
 172 100
 171 37.4 30.8 46.2
 170 25.5 20.2 30.4



#48
 2-Nitroaniline
 Concen: 8.329 ng
 RT: 13.74 min Scan# 1813
 Delta R.T. -0.16 min
 Lab File: BG039484.D
 Acq: 13 Feb 2019 4:30

Tgt Ion: 65 Resp: 108
 Ion Ratio Lower Upper
 65 100
 92 0.0 51.4 77.2#
 138 0.0 71.4 107.2#

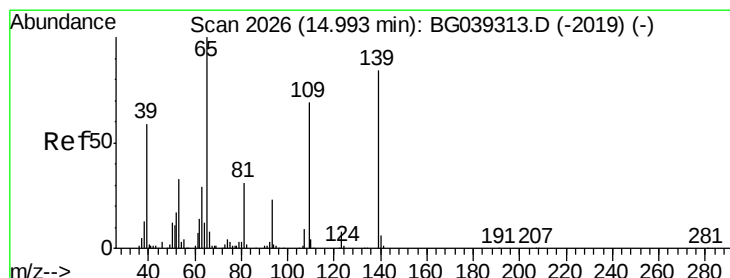
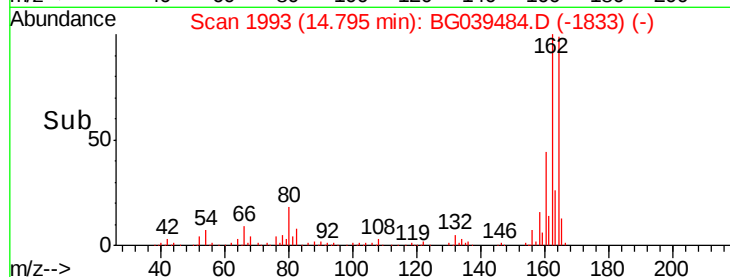
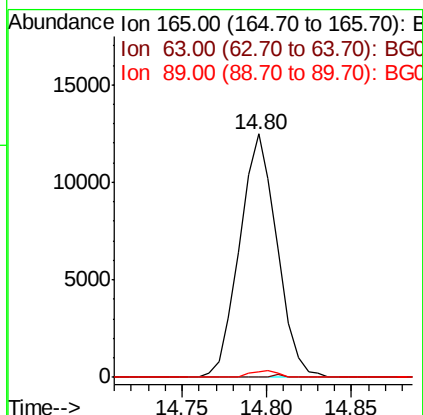
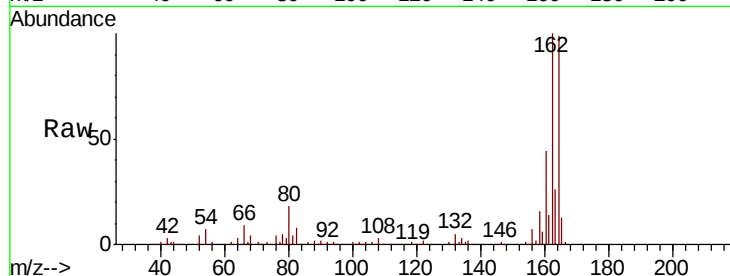




#51
 2,6-Dinitrotoluene
 Concen: 13.825 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. 0.41 min
 Lab File: BG039484.D
 Acq: 13 Feb 2019 4:30

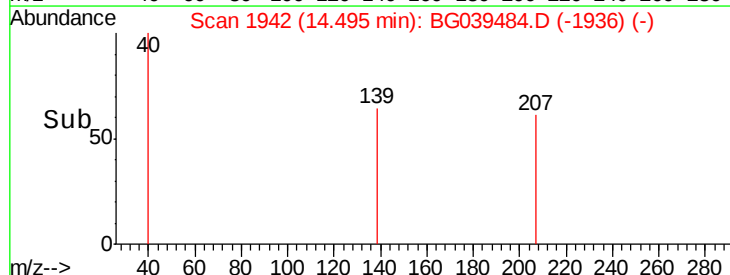
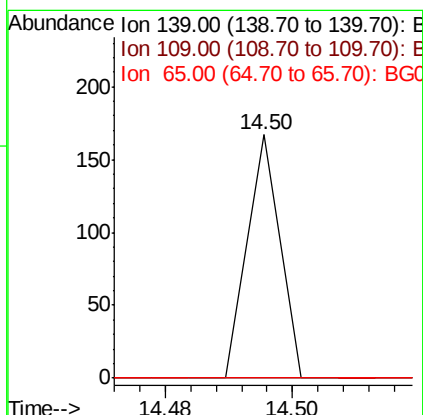
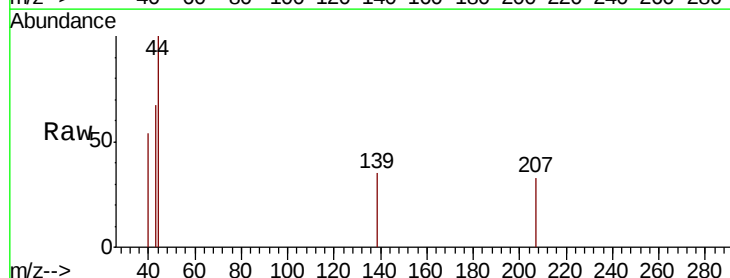
Instrument :
 BNA_G
 ClientSampleId :
 WC-4

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.0	70.6#
89	2.3	45.8	68.8#



#56
 4-Nitrophenol
 Concen: 5.819 ng
 RT: 14.50 min Scan# 1942
 Delta R.T. -0.50 min
 Lab File: BG039484.D
 Acq: 13 Feb 2019 4:30

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#

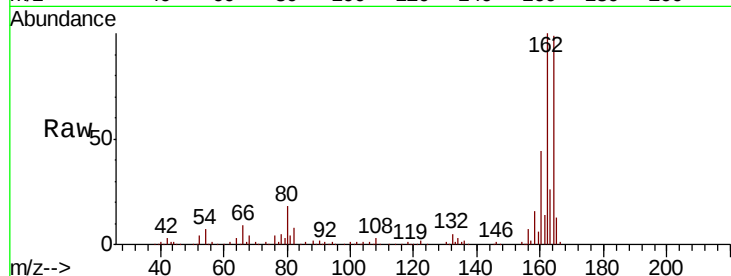




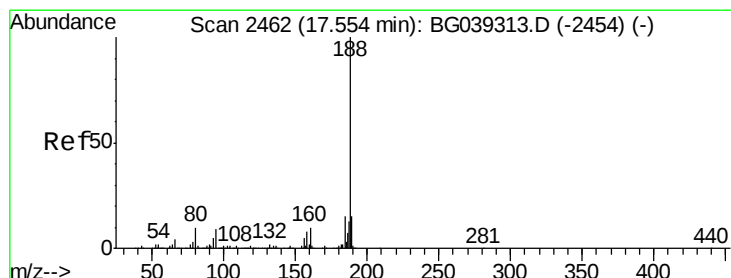
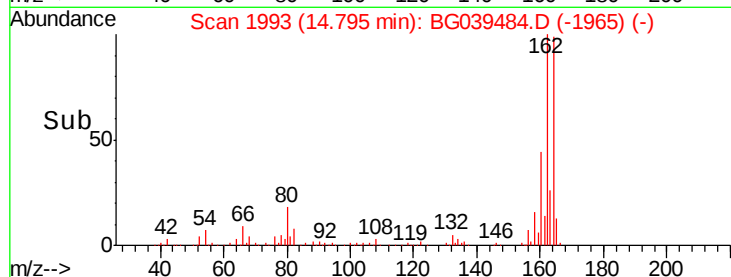
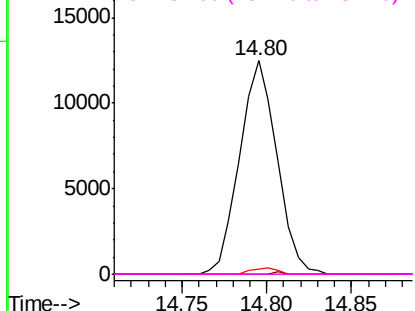
#57
 2,4-Dinitrotoluene
 Concen: 13.324 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. -0.37 min
 Lab File: BG039484.D
 Acq: 13 Feb 2019 4:30

Instrument :
 BNA_G
 ClientSampleId :
 WC-4

Tgt Ion:	165	Resp:	19169
Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	2.3	64.6	96.8#
182	0.0	2.0	3.0#

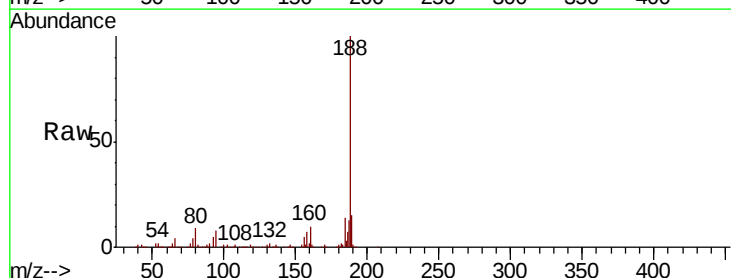


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

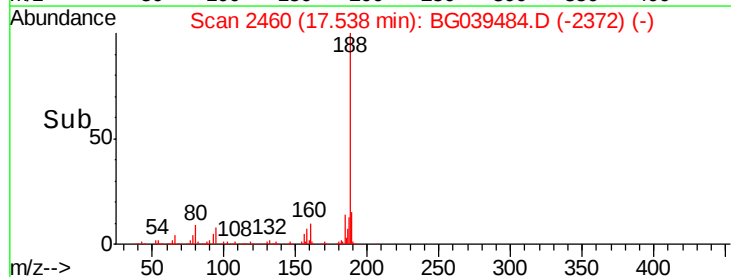
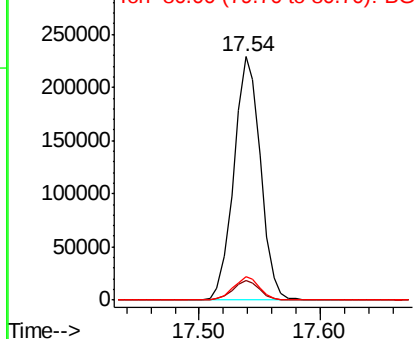


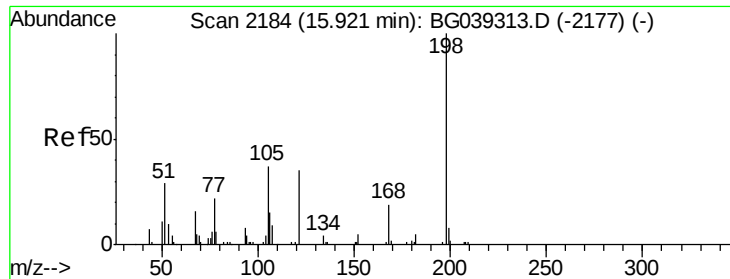
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.54 min Scan# 2460
 Delta R.T. -0.02 min
 Lab File: BG039484.D
 Acq: 13 Feb 2019 4:30

Tgt Ion:	188	Resp:	351233
Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.9	10.3
80	9.5	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

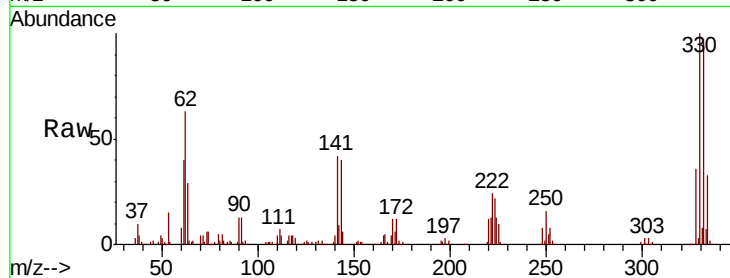




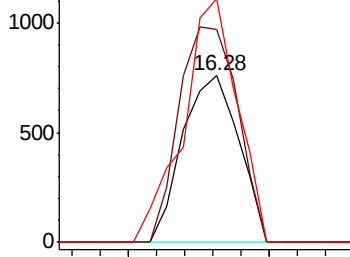
#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.135 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. 0.36 min
 Lab File: BG039484.D
 Acq: 13 Feb 2019 4:30

Instrument :
 BNA_G
 ClientSampleId :
 WC-4

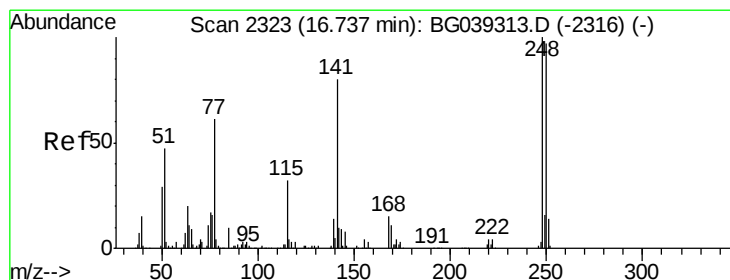
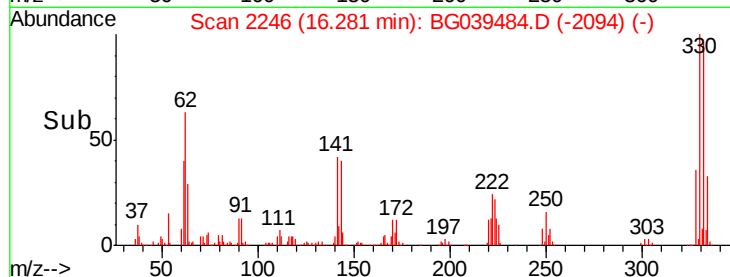
Tgt Ion:198 Resp: 1052
 Ion Ratio Lower Upper
 198 100
 51 128.1 27.4 67.4#
 105 146.1 19.7 59.7#



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

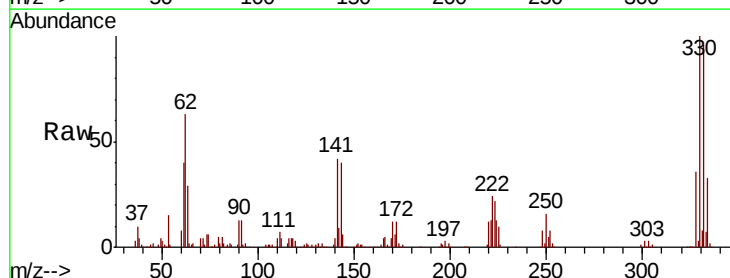


Time-->

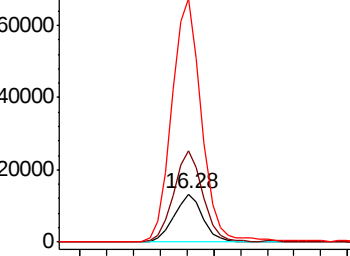


#67
 4-Bromophenyl-phenylether
 Concen: 5.210 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.46 min
 Lab File: BG039484.D
 Acq: 13 Feb 2019 4:30

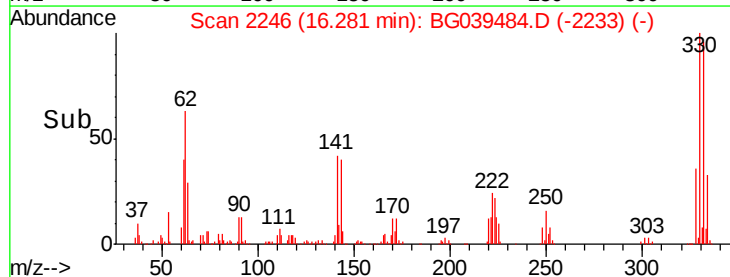
Tgt Ion:248 Resp: 20301
 Ion Ratio Lower Upper
 248 100
 250 189.2 77.6 116.4#
 141 507.4 63.9 95.9#



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



Time-->

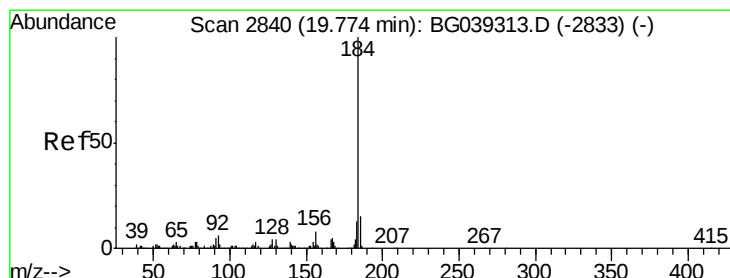
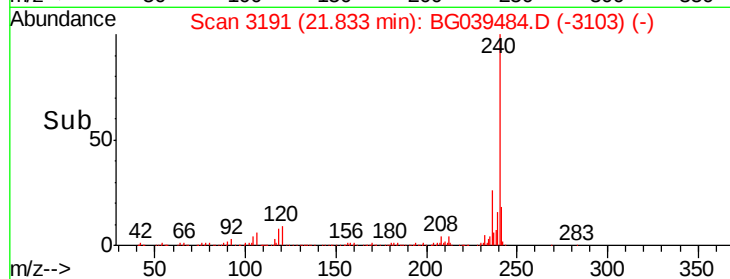
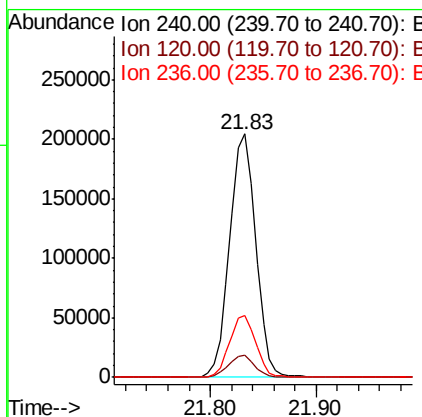
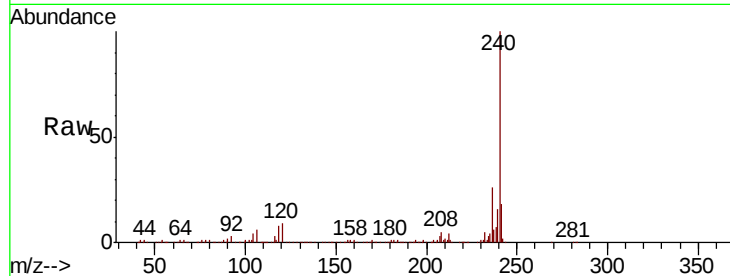




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3191
Delta R.T. -0.02 min
Lab File: BG039484.D
Acq: 13 Feb 2019 4:30

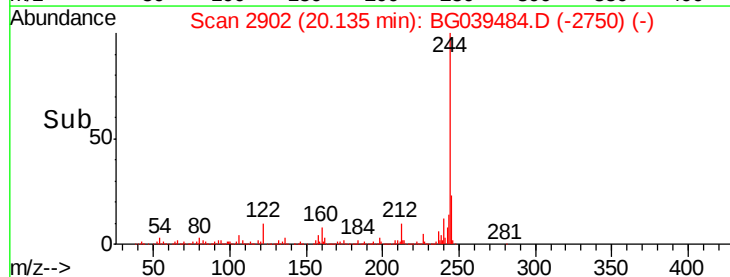
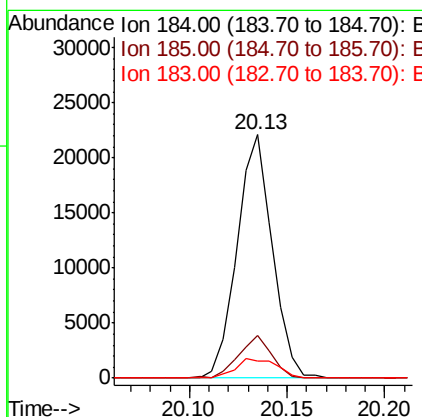
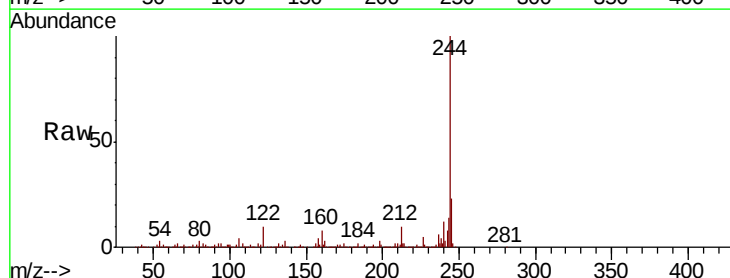
Instrument :
BNA_G
ClientSampleId :
WC-4

Tgt Ion:240 Resp: 349108
Ion Ratio Lower Upper
240 100
120 9.1 7.0 10.6
236 25.6 21.0 31.4



#77
Benzidine
Concen: 2.400 ng
RT: 20.13 min Scan# 2902
Delta R.T. 0.36 min
Lab File: BG039484.D
Acq: 13 Feb 2019 4:30

Tgt Ion:184 Resp: 27473
Ion Ratio Lower Upper
184 100
185 17.7 12.2 18.2
183 7.0 10.6 15.8#





#79

Terphenyl-d14

Concen: 92.776 ng

RT: 20.13 min Scan# 2902

Delta R.T. -0.02 min

Lab File: BG039484.D

Acq: 13 Feb 2019 4:30

Instrument :

BNA_G

ClientSampled :

WC-4

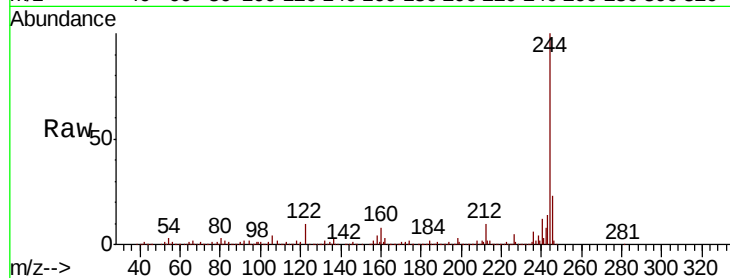
Tgt Ion:244 Resp: 1530174

Ion Ratio Lower Upper

244 100

212 9.6 7.3 10.9

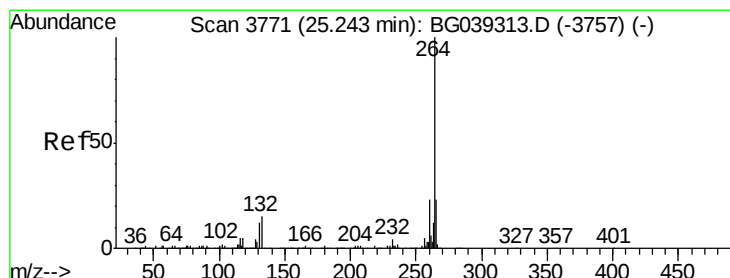
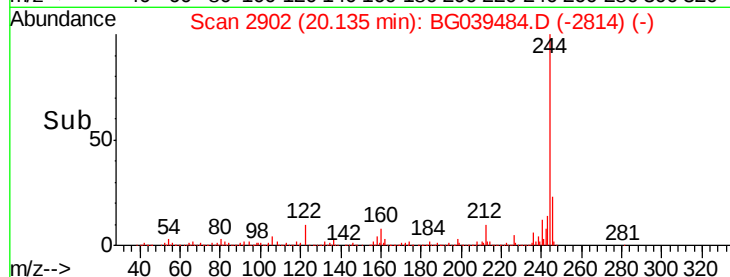
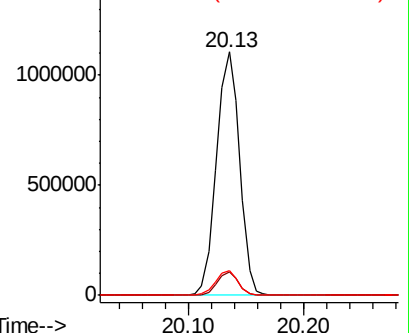
122 10.3 8.4 12.6



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: 25.22 min Scan# 3767

Delta R.T. -0.03 min

Lab File: BG039484.D

Acq: 13 Feb 2019 4:30

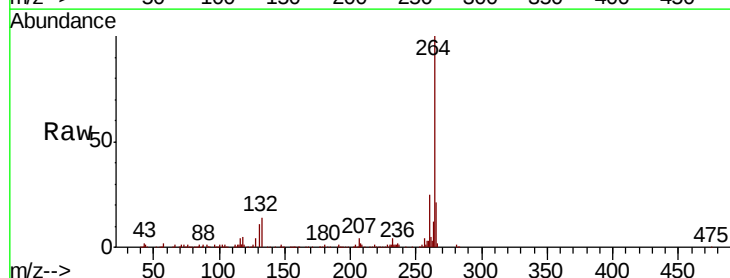
Tgt Ion:264 Resp: 340686

Ion Ratio Lower Upper

264 100

260 24.7 18.2 27.4

265 21.1 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

