

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031219\
 Data File : BG039891.D
 Acq On : 13 Mar 2019 2:49
 Operator : JU/SJ
 Sample : K1687-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-06-031119-C

Quant Time: Mar 13 05:51:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 05:34:05 2019
 Response via : Initial Calibration

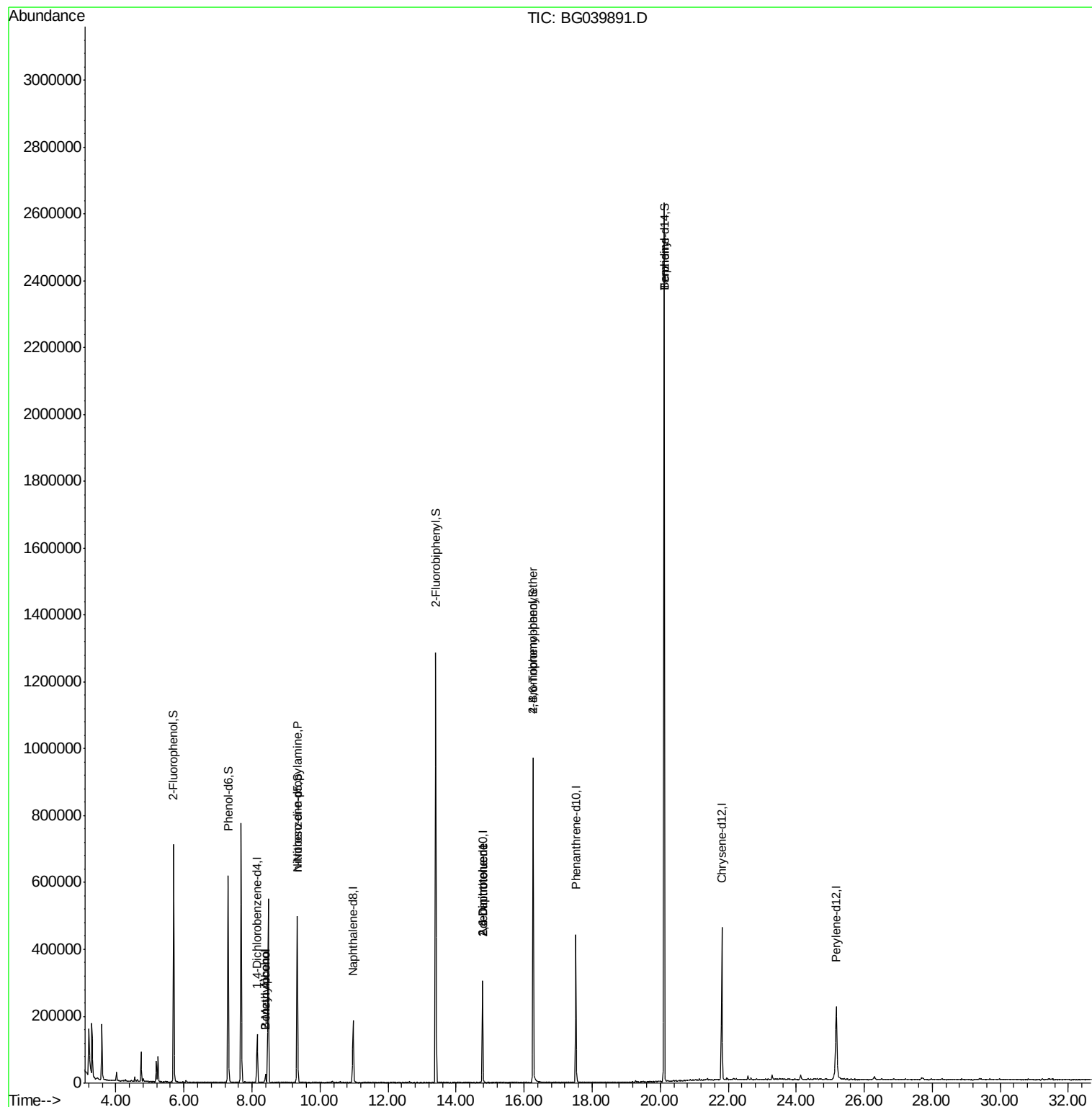
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	39766	20.00	ng	0.00
21) Naphthalene-d8	10.97	136	159454	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	106086	20.00	ng	0.00
64) Phenanthrene-d10	17.52	188	265291	20.00	ng	0.00
76) Chrysene-d12	21.81	240	287259	20.00	ng	0.00
87) Perylene-d12	25.18	264	274824	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	286383	122.86	ng	0.00
7) Phenol-d6	7.30	99	345425	99.39	ng	0.00
23) Nitrobenzene-d5	9.33	82	297986	101.07	ng	0.00
42) 2,4,6-Tribromophenol	16.26	330	177806	143.80	ng	0.00
45) 2-Fluorobiphenyl	13.40	172	687769	92.31	ng	0.00
79) Terphenyl-d14	20.12	244	1250207	95.83	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.39	79	10292	3.733	ng	Qvalue 97
17) 2-Methylphenol	8.39	107	5343	2.226	ng	# 19
19) n-Nitroso-di-n-propylamine	9.33	70	39220	15.678	ng	# 68
51) 2,6-Dinitrotoluene	14.78	165	13462	7.158	ng	# 23
57) 2,4-Dinitrotoluene	14.78	165	13462	5.095	ng	# 19
67) 4-Bromophenyl-phenylether	16.27	248	13650	4.597	ng	# 1
77) Benzidine	20.11	184	21983	2.412	ng	# 94

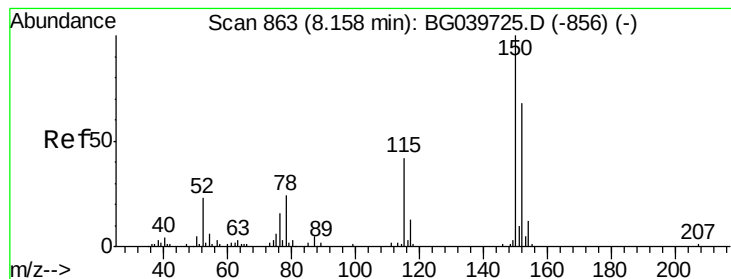
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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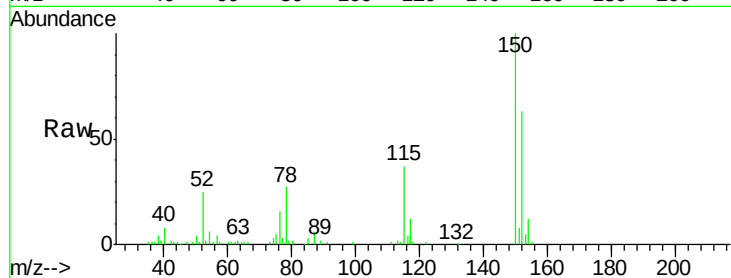


#1

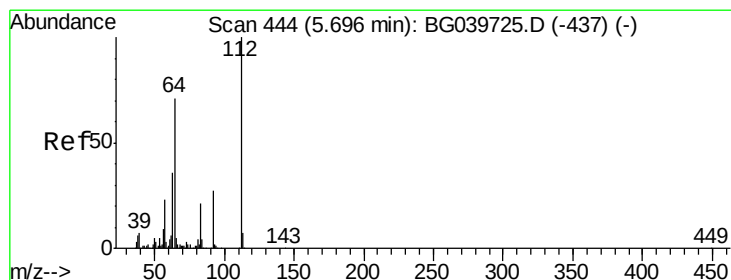
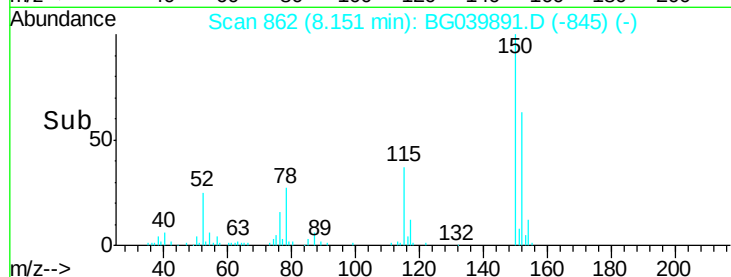
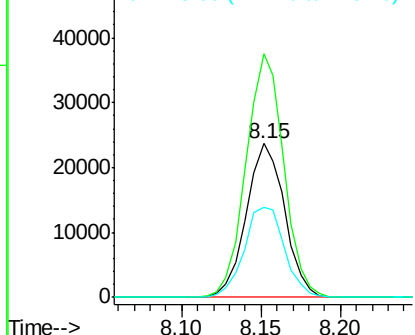
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.00 min
Lab File: BG039891.D
Acq: 13 Mar 2019 2:49

Instrument :
BNA_G
ClientSampleId :
HR-06-031119-C

Tgt Ion:152 Resp: 39766
Ion Ratio Lower Upper
152 100
150 158.4 123.7 185.5
115 58.4 45.9 68.9



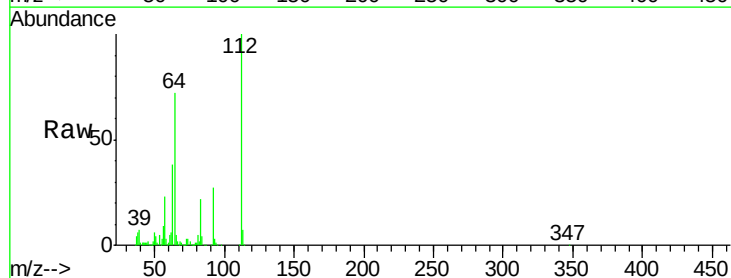
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



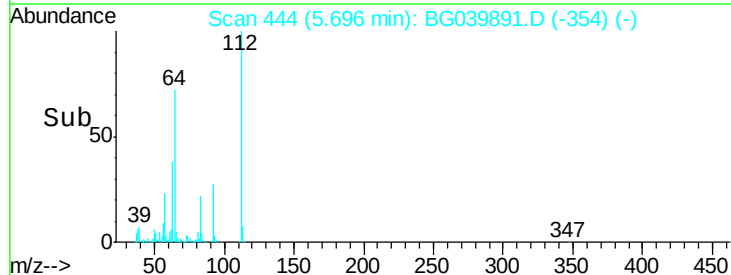
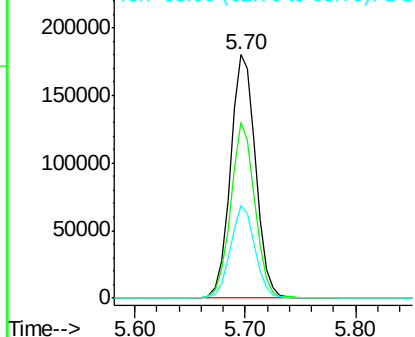
#5

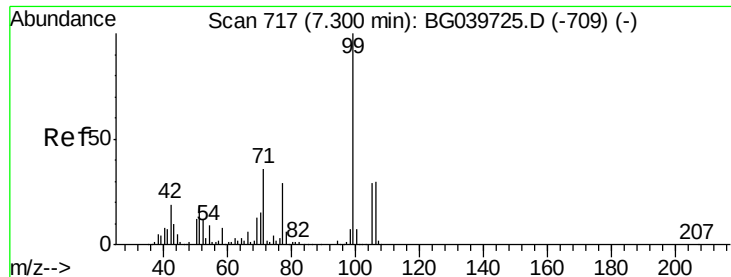
2-Fluorophenol
Concen: 122.862 ng
RT: 5.70 min Scan# 444
Delta R.T. -0.00 min
Lab File: BG039891.D
Acq: 13 Mar 2019 2:49

Tgt Ion:112 Resp: 286383
Ion Ratio Lower Upper
112 100
64 72.0 57.8 86.8
63 38.1 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: 99.387 ng

RT: 7.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BG039891.D

Acq: 13 Mar 2019 2:49

Instrument :

BNA_G

ClientSampleId :

HR-06-031119-C

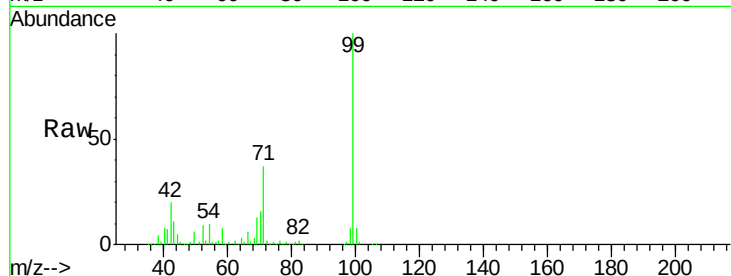
Tgt Ion: 99 Resp: 345425

Ion Ratio Lower Upper

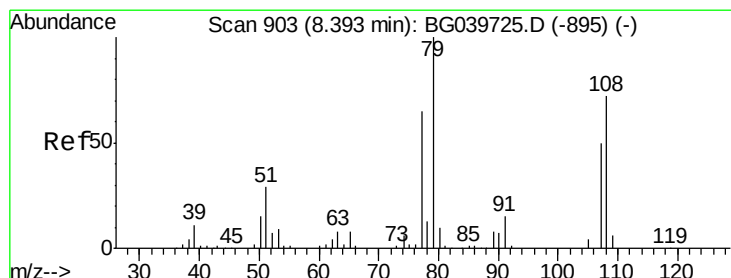
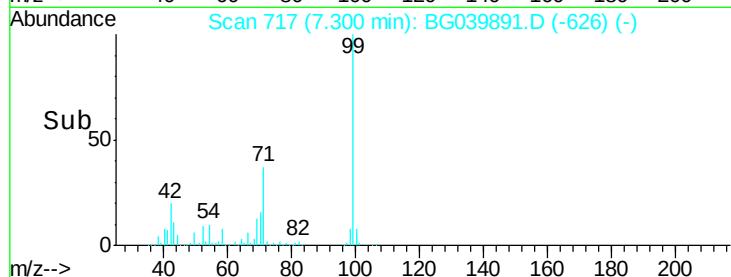
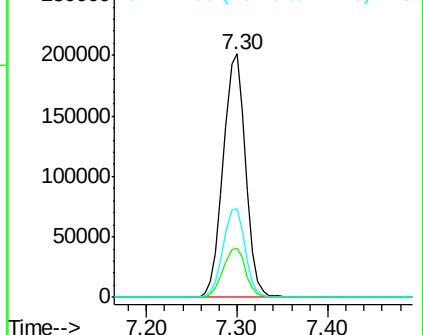
99 100

42 19.9 18.2 27.2

71 36.6 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



#15

Benzyl Alcohol

Concen: 3.733 ng

RT: 8.39 min Scan# 903

Delta R.T. -0.00 min

Lab File: BG039891.D

Acq: 13 Mar 2019 2:49

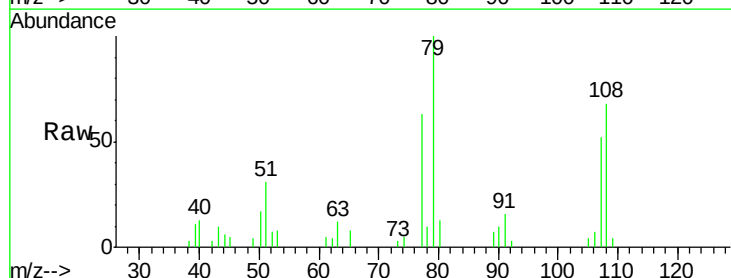
Tgt Ion: 79 Resp: 10292

Ion Ratio Lower Upper

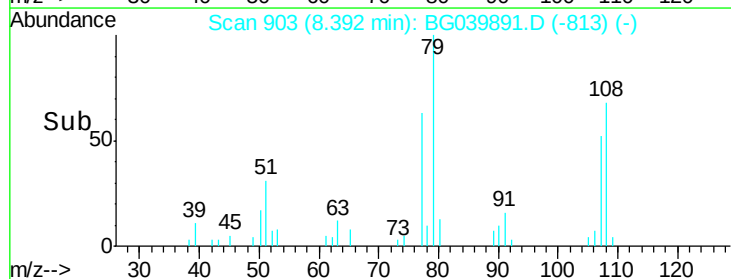
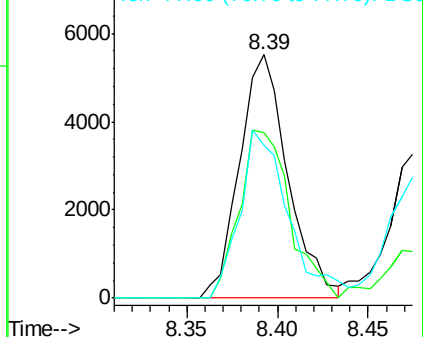
79 100

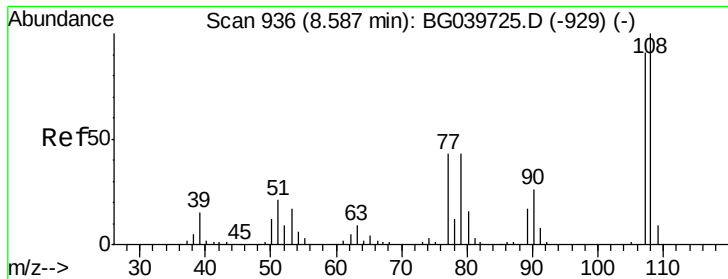
108 68.0 57.8 86.6

77 63.0 51.1 76.7



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

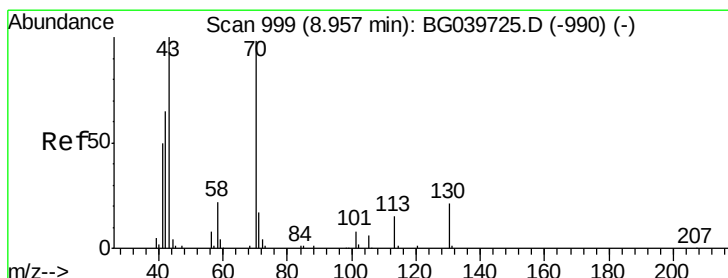
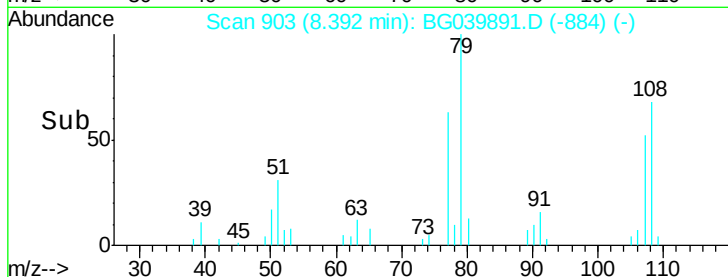
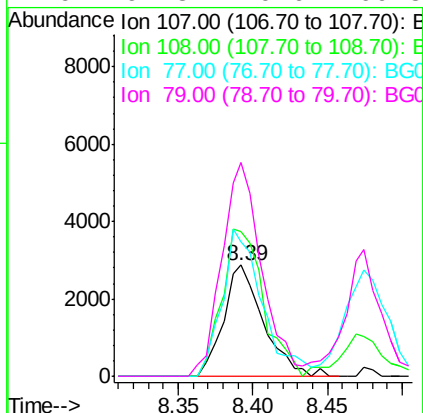
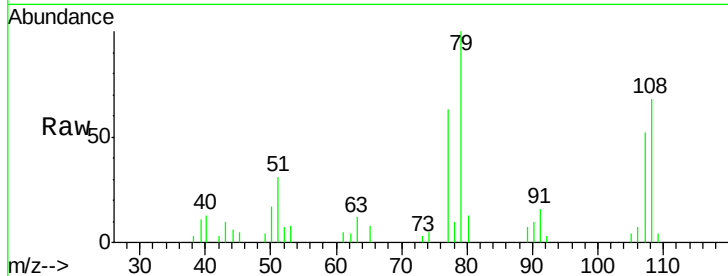




#17
2-Methylphenol
Concen: 2.226 ng
RT: 8.39 min Scan# 903
Delta R.T. -0.19 min
Lab File: BG039891.D
Acq: 13 Mar 2019 2:49

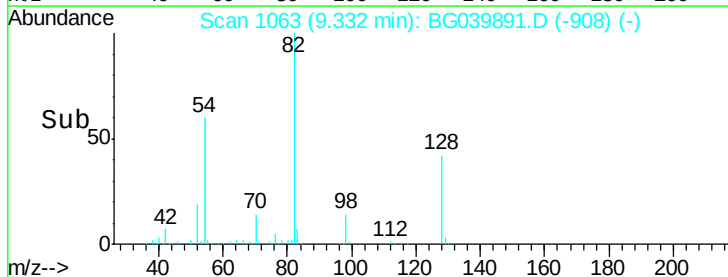
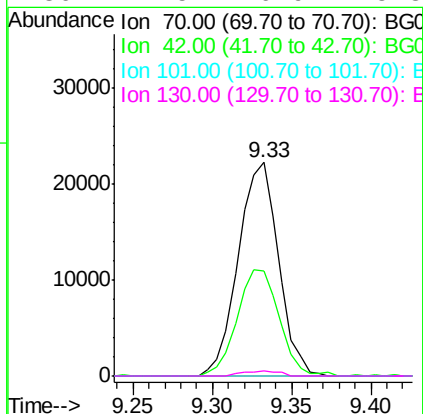
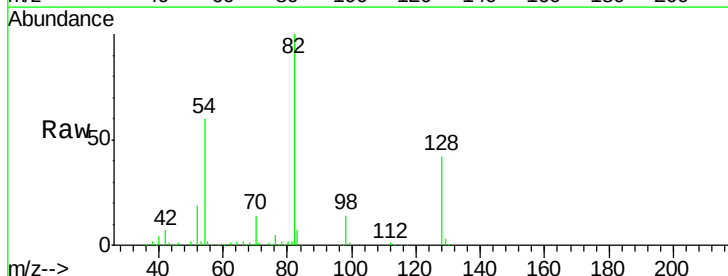
Instrument :
BNA_G
ClientSampleId :
HR-06-031119-C

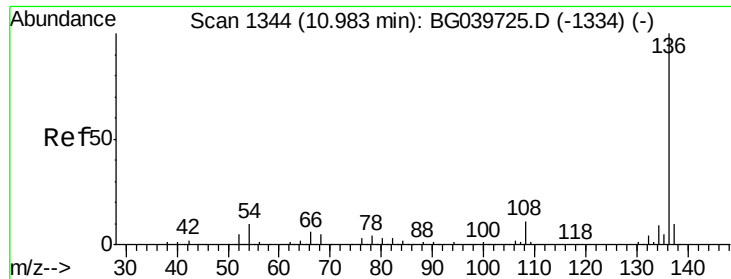
Tgt Ion: 107 Resp: 5343
Ion Ratio Lower Upper
107 100
108 131.0 90.8 136.2
77 121.4 40.7 61.1#
79 192.8 40.6 60.8#



#19
n-Nitroso-di-n-propylamine
Concen: 15.678 ng
RT: 9.33 min Scan# 1063
Delta R.T. 0.38 min
Lab File: BG039891.D
Acq: 13 Mar 2019 2:49

Tgt Ion: 70 Resp: 39220
Ion Ratio Lower Upper
70 100
42 48.9 60.4 90.6#
101 0.0 7.5 11.3#
130 2.5 16.9 25.3#

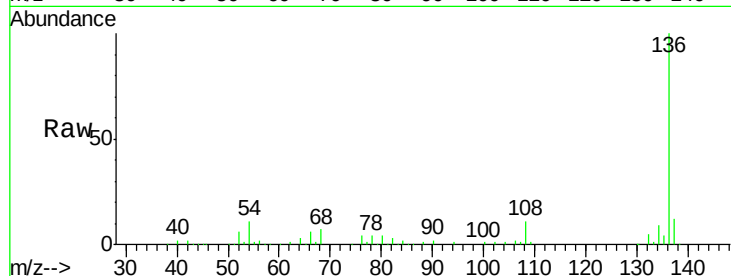




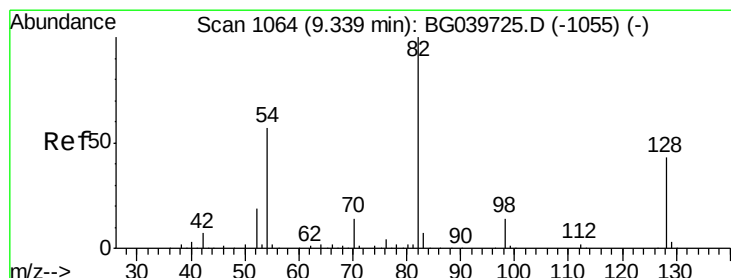
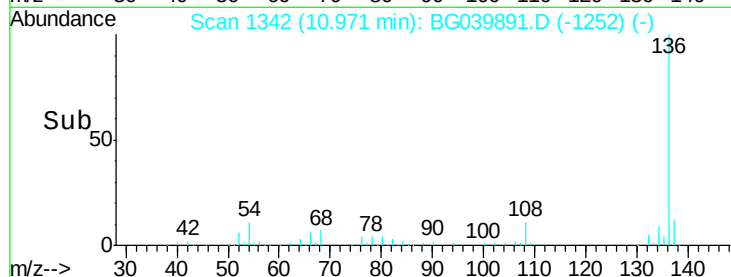
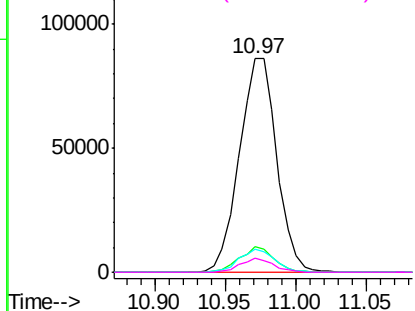
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BG039891.D
Acq: 13 Mar 2019 2:49

Instrument :
BNA_G
ClientSampleId :
HR-06-031119-C

Tgt Ion:	136	Resp:	159454
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.1	13.7
54	10.8	9.4	14.2
68	6.7	4.2	6.4#

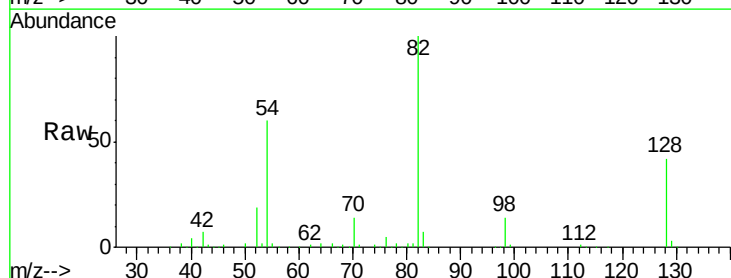


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

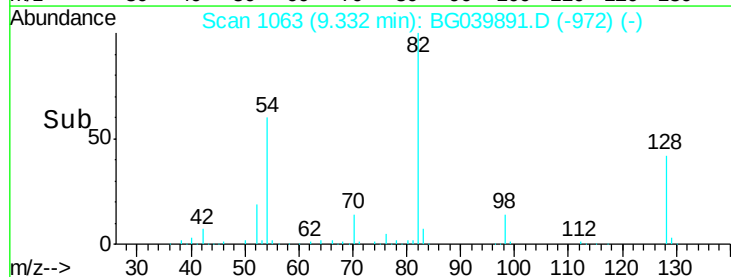
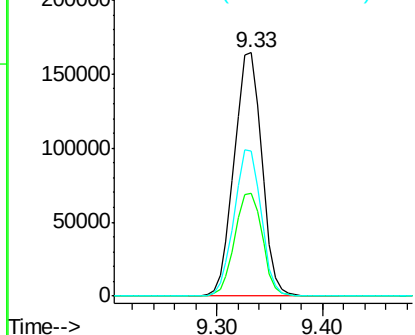


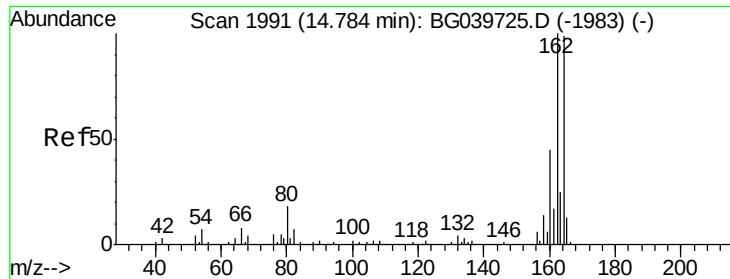
#23
Nitrobenzene-d5
Concen: 101.072 ng
RT: 9.33 min Scan# 1063
Delta R.T. 0.00 min
Lab File: BG039891.D
Acq: 13 Mar 2019 2:49

Tgt Ion:	82	Resp:	297986
Ion	Ratio	Lower	Upper
82	100		
128	42.0	31.3	46.9
54	59.7	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: 14.78 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BG039891.D

Acq: 13 Mar 2019 2:49

Instrument :

BNA_G

ClientSampleId :

HR-06-031119-C

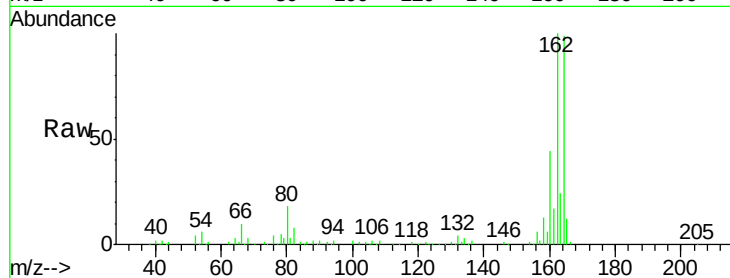
Tgt Ion:164 Resp: 106086

Ion Ratio Lower Upper

164 100

162 101.4 81.6 122.4

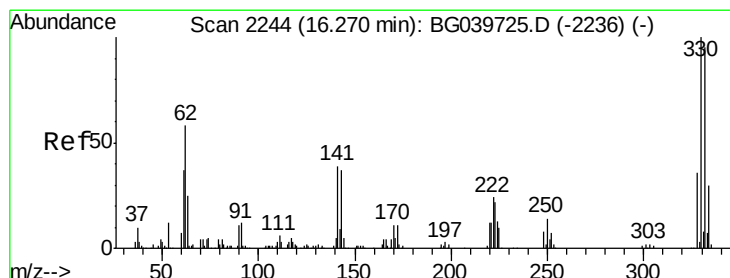
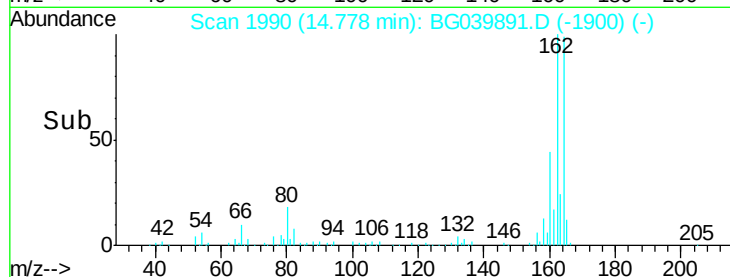
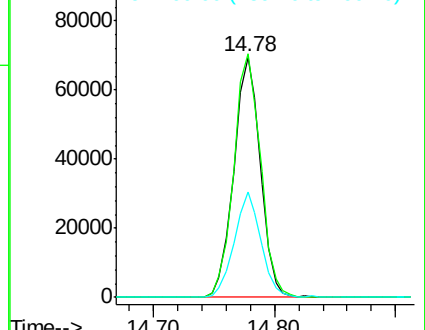
160 44.2 34.2 51.2



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: 143.797 ng

RT: 16.26 min Scan# 2243

Delta R.T. -0.00 min

Lab File: BG039891.D

Acq: 13 Mar 2019 2:49

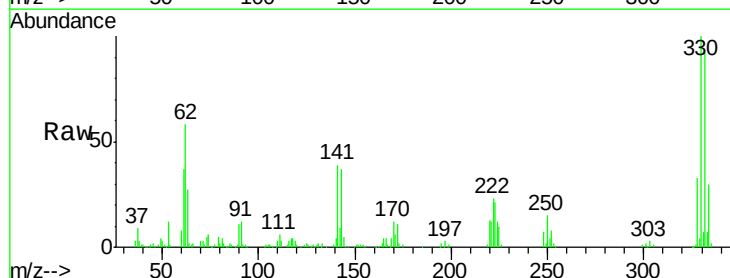
Tgt Ion:330 Resp: 177806

Ion Ratio Lower Upper

330 100

332 95.8 75.7 113.5

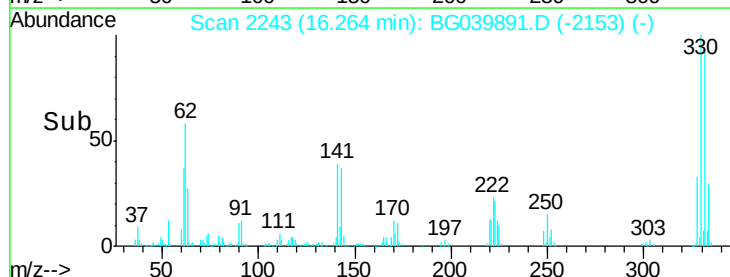
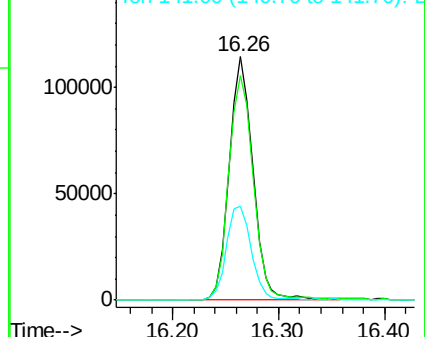
141 40.9 35.6 53.4

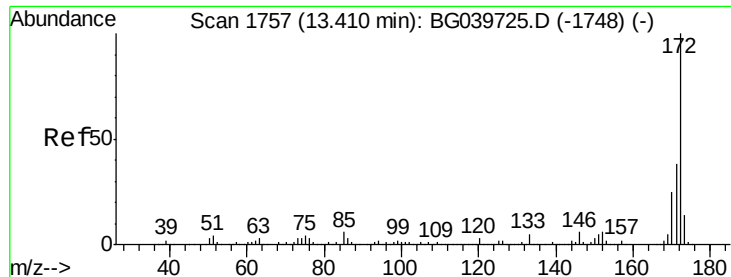


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

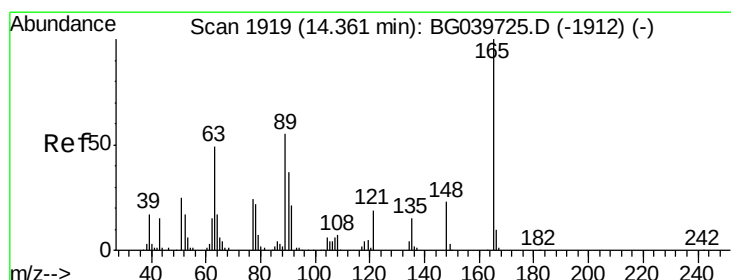
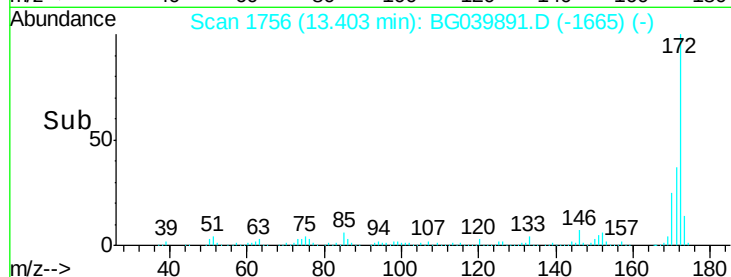
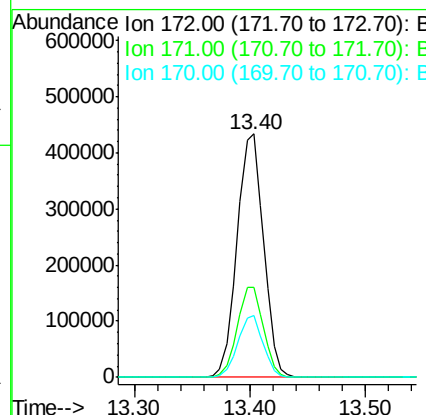
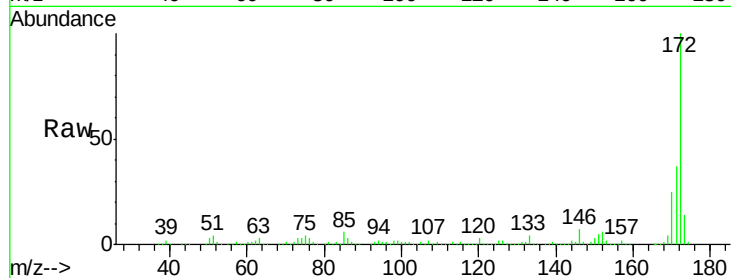




#45
 2-Fluorobiphenyl
 Concen: 92.309 ng
 RT: 13.40 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: BG039891.D
 Acq: 13 Mar 2019 2:49

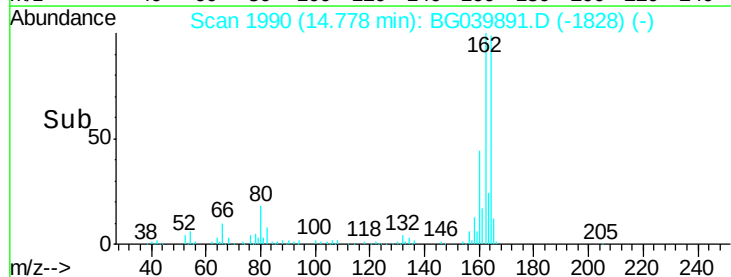
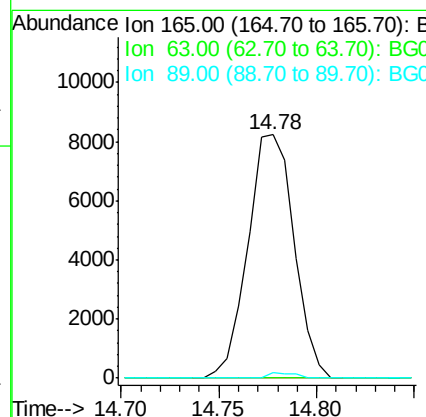
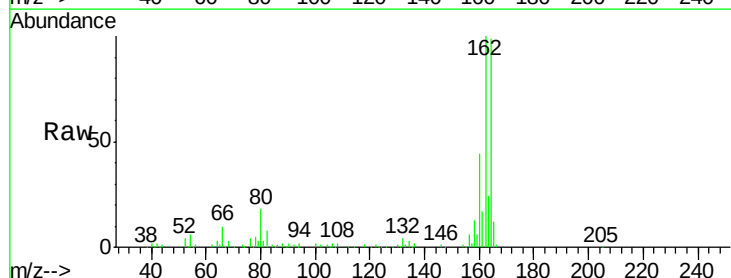
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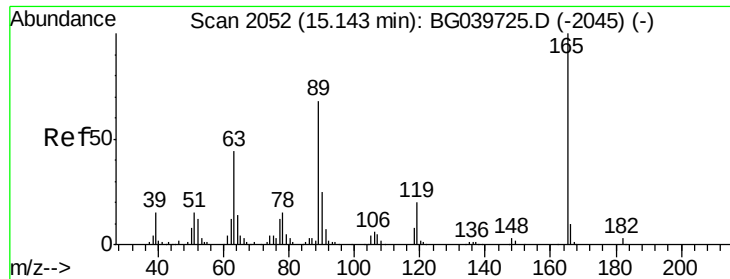
Tgt Ion:172 Resp: 687769
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.8 46.2
 170 25.2 20.2 30.4



#51
 2,6-Dinitrotoluene
 Concen: 7.158 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. 0.42 min
 Lab File: BG039891.D
 Acq: 13 Mar 2019 2:49

Tgt Ion:165 Resp: 13462
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 2.1 45.8 68.8#

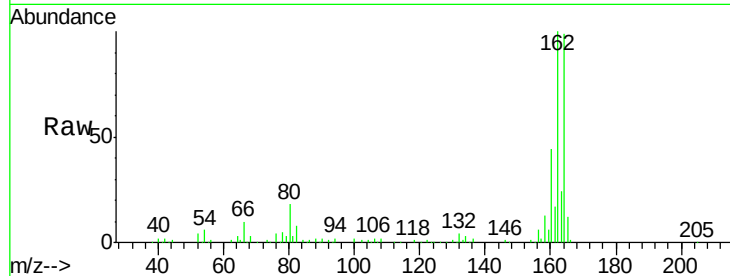




#57
 2,4-Dinitrotoluene
 Concen: 5.095 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. -0.36 min
 Lab File: BG039891.D
 Acq: 13 Mar 2019 2:49

Instrument :
 BNA_G
 ClientSampleId :
 HR-06-031119-C

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	2.1	64.6	96.8#
182	0.0	2.0	3.0#



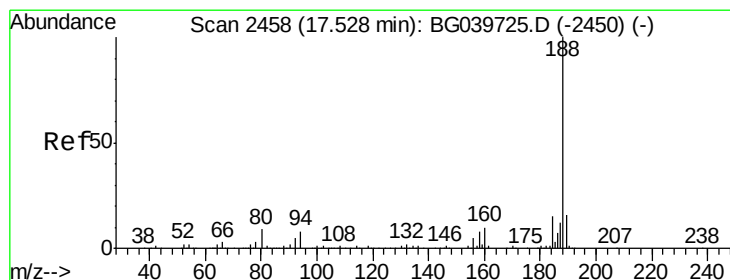
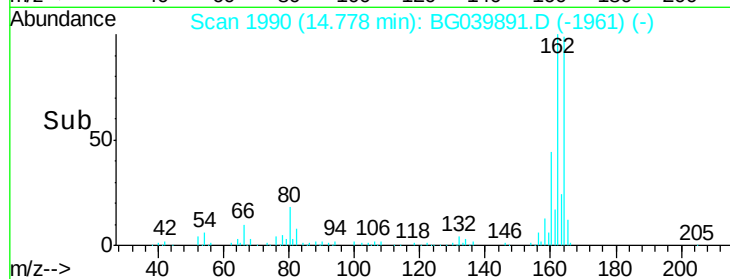
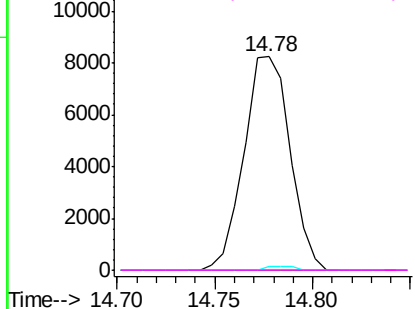
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

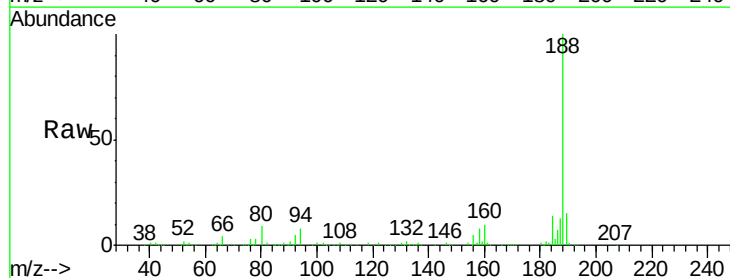
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2457
 Delta R.T. -0.00 min
 Lab File: BG039891.D
 Acq: 13 Mar 2019 2:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.9	10.3
80	8.8	8.1	12.1

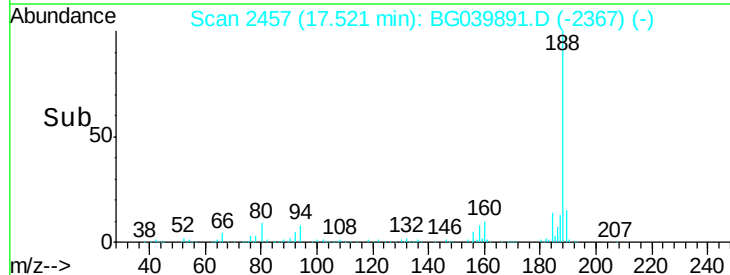
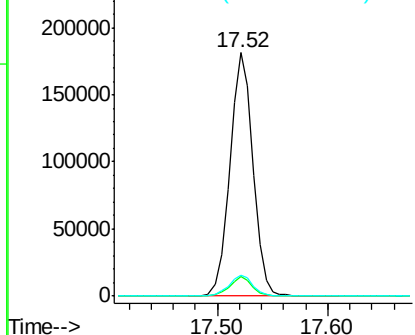


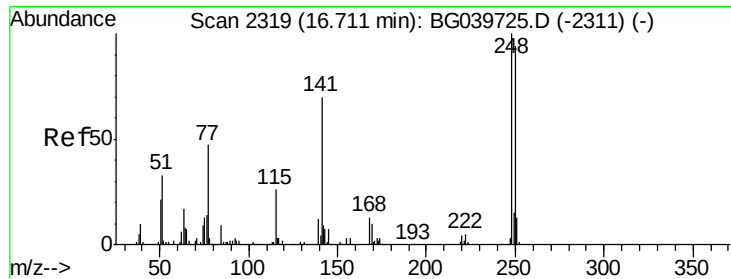
Abundance

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

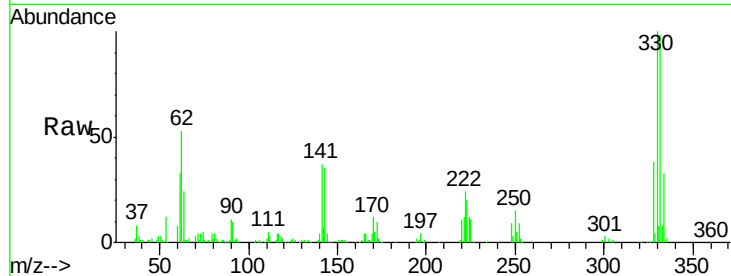




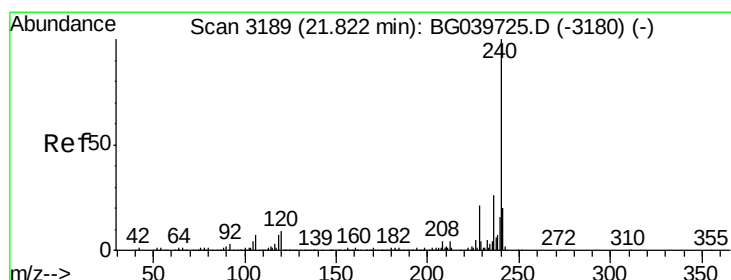
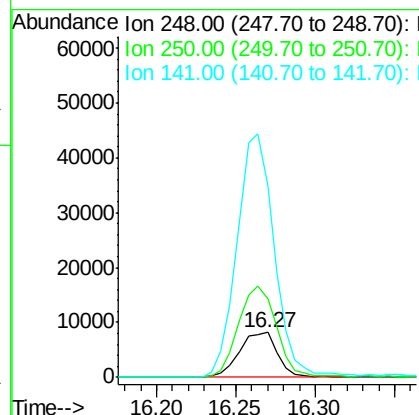
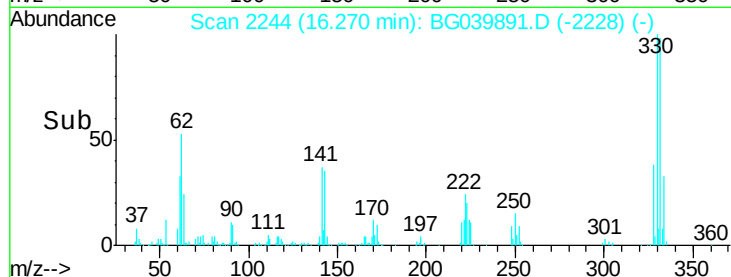
#67
4-Bromophenyl-phenylether
Concen: 4.597 ng
RT: 16.27 min Scan# 2244
Delta R.T. -0.44 min
Lab File: BG039891.D
Acq: 13 Mar 2019 2:49

Instrument :
BNA_G
ClientSampleId :
HR-06-031119-C

Tgt Ion:248 Resp: 13650
Ion Ratio Lower Upper
248 100
250 175.7 77.6 116.4#
141 426.8 63.9 95.9#

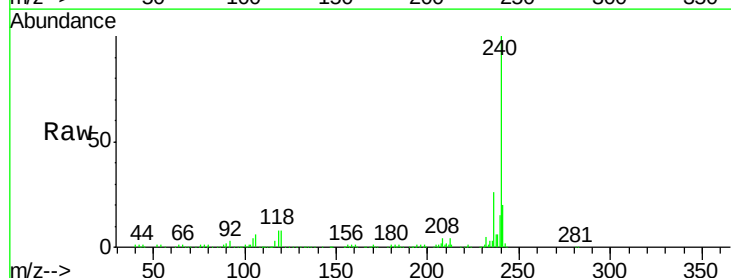


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

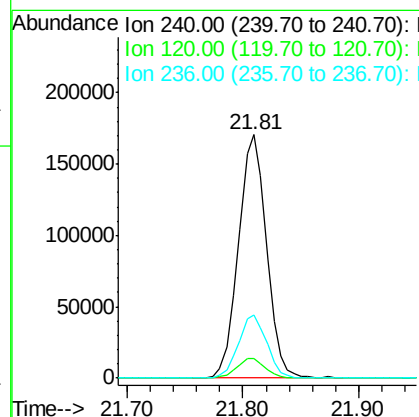
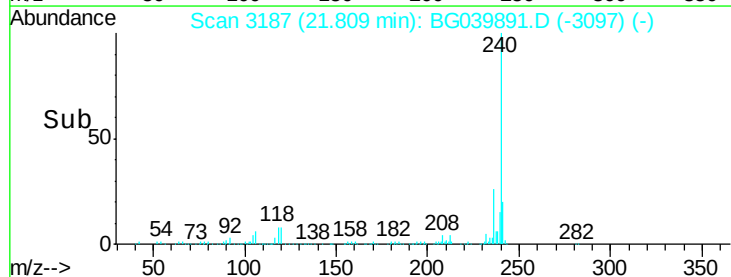


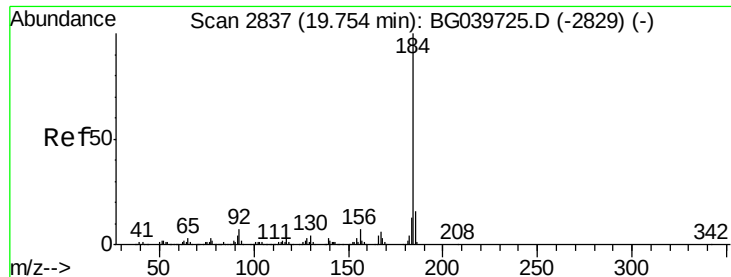
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3187
Delta R.T. -0.00 min
Lab File: BG039891.D
Acq: 13 Mar 2019 2:49

Tgt Ion:240 Resp: 287259
Ion Ratio Lower Upper
240 100
120 8.2 7.0 10.6
236 26.0 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: 2.412 ng

RT: 20.11 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG039891.D

Acq: 13 Mar 2019 2:49

Instrument :

BNA_G

ClientSampleId :

HR-06-031119-C

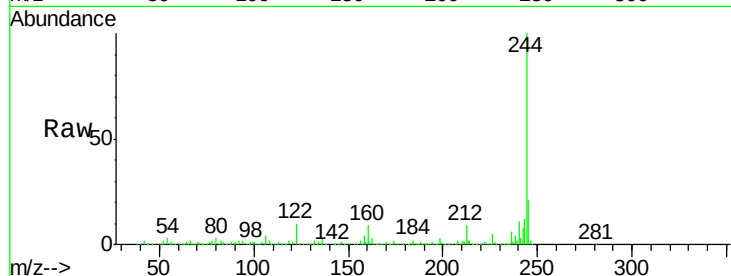
Tgt Ion:184 Resp: 21983

Ion Ratio Lower Upper

184 100

185 15.7 12.2 18.2

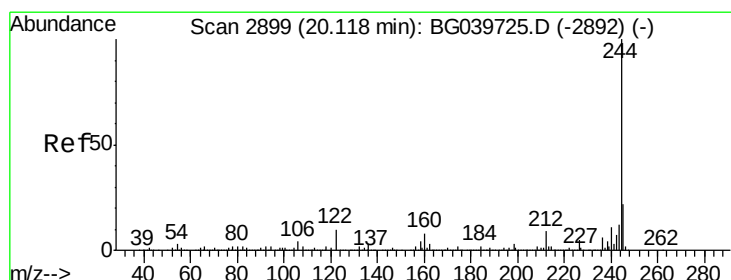
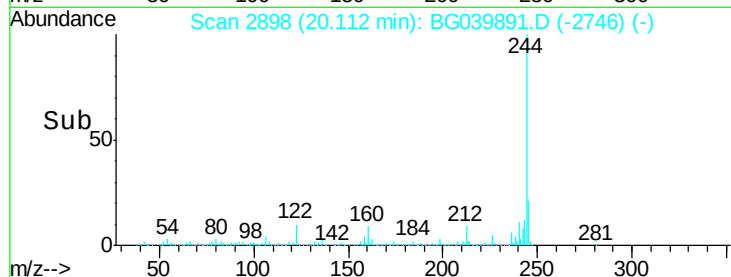
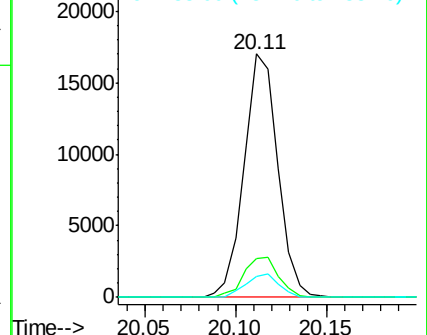
183 8.6 10.6 15.8#



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: 95.827 ng

RT: 20.12 min Scan# 2899

Delta R.T. 0.00 min

Lab File: BG039891.D

Acq: 13 Mar 2019 2:49

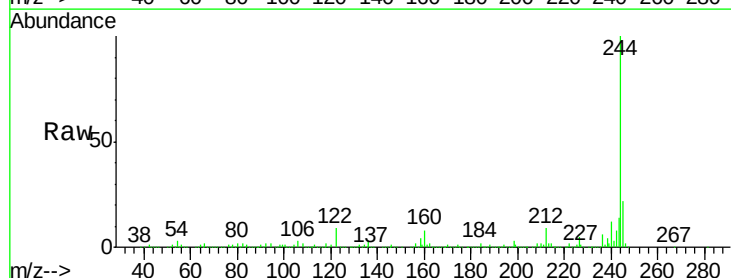
Tgt Ion:244 Resp: 1250207

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

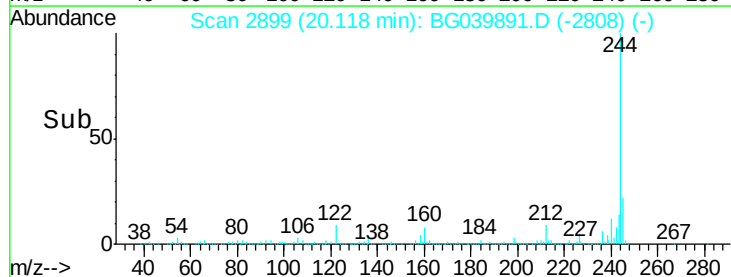
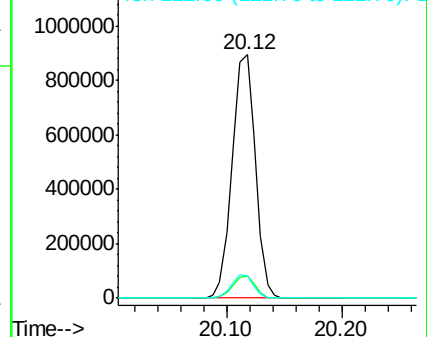
122 9.0 8.4 12.6

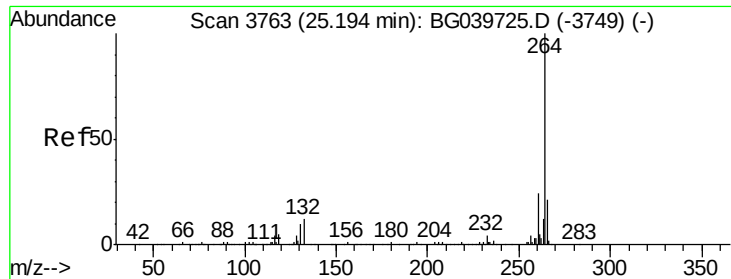


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.18 min Scan# 3760
Delta R.T. -0.01 min
Lab File: BG039891.D
Acq: 13 Mar 2019 2:49

Instrument :
BNA_G
ClientSampleId :
HR-06-031119-C

Tgt Ion: 264 Resp: 274824
Ion Ratio Lower Upper
264 100
260 24.6 18.2 27.4
265 21.1 18.5 27.7

