

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031219\
 Data File : BG039890.D
 Acq On : 13 Mar 2019 2:10
 Operator : JU/SJ
 Sample : K1687-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Mar 13 05:51:08 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

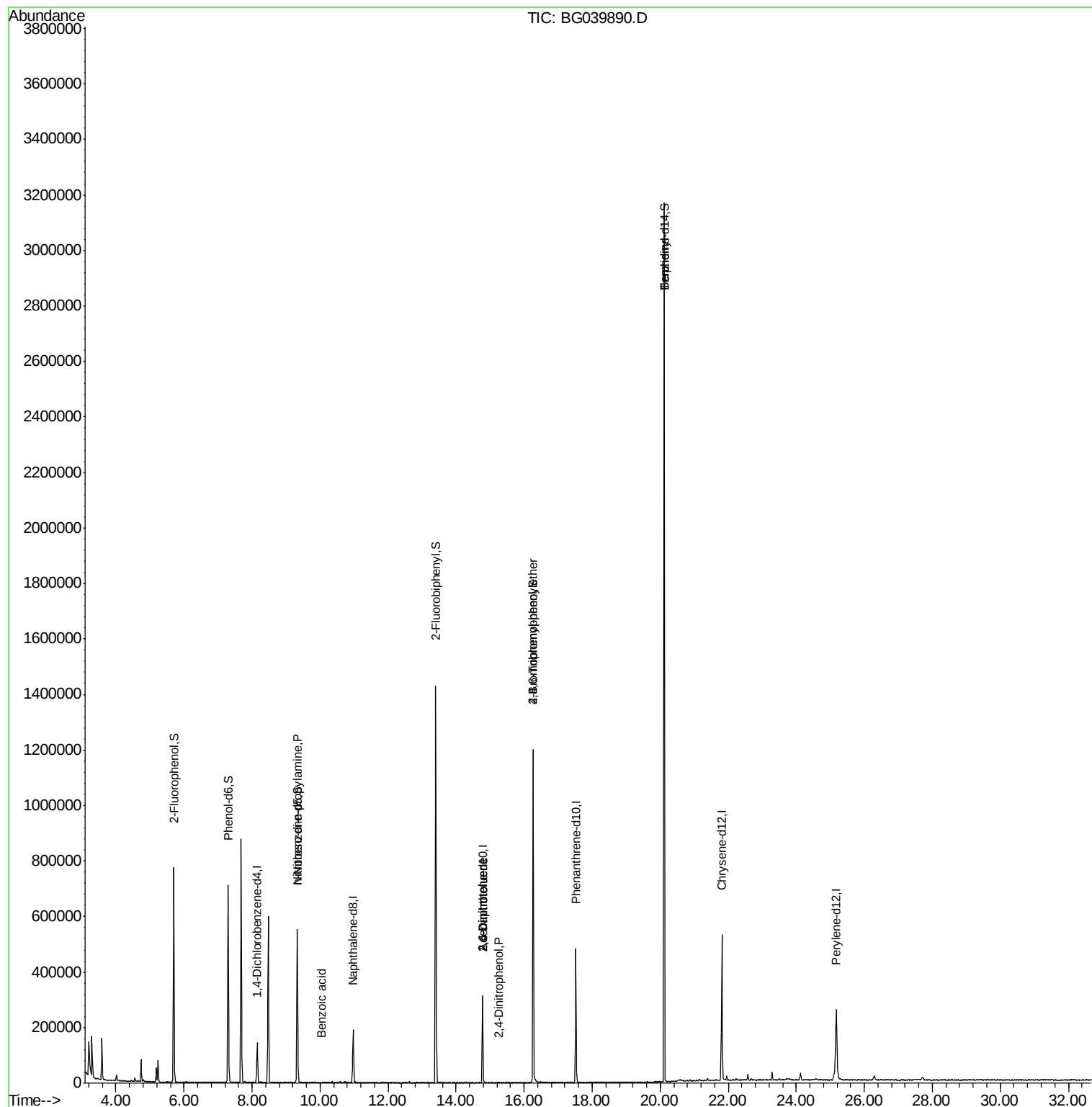
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	41868	20.00	ng	0.00
21) Naphthalene-d8	10.97	136	165141	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	114422	20.00	ng	0.00
64) Phenanthrene-d10	17.52	188	294587	20.00	ng	0.00
76) Chrysene-d12	21.81	240	327709	20.00	ng	0.00
87) Perylene-d12	25.17	264	316568	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	320929	130.77	ng	0.00
7) Phenol-d6	7.30	99	401892	109.83	ng	0.00
23) Nitrobenzene-d5	9.33	82	329156	107.80	ng	0.00
42) 2,4,6-Tribromophenol	16.26	330	217978	163.44	ng	0.00
45) 2-Fluorobiphenyl	13.40	172	767442	95.50	ng	0.00
79) Terphenyl-d14	20.12	244	1449308	97.38	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	42487	16.131	ng	# 64
32) Benzoic acid	10.05	122	75	6.638	ng	# 1
51) 2,6-Dinitrotoluene	14.78	165	14632	7.214	ng	# 25
54) 2,4-Dinitrophenol	15.26	184	70	5.307	ng	# 18
57) 2,4-Dinitrotoluene	14.78	165	14632	5.134	ng	# 20
67) 4-Bromophenyl-phenylether	16.26	248	16669	5.055	ng	# 1
77) Benzidine	20.12	184	25814	2.482	ng	# 95

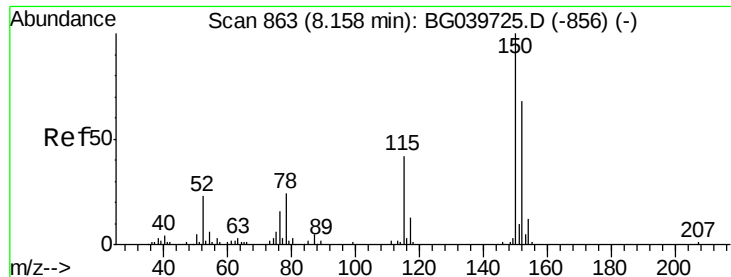
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 13 05:34:05 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: BG039890.D

Acq: 13 Mar 2019 2:10

Instrument :

BNA_G

ClientSampleId :

HR-06-031119-B

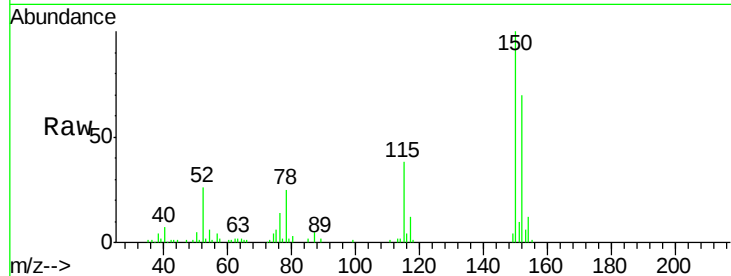
Tgt Ion:152 Resp: 41868

Ion Ratio Lower Upper

152 100

150 143.7 123.7 185.5

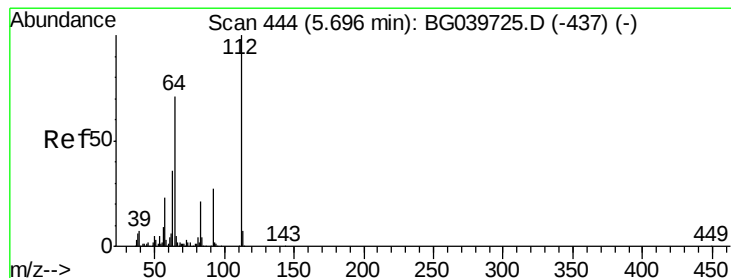
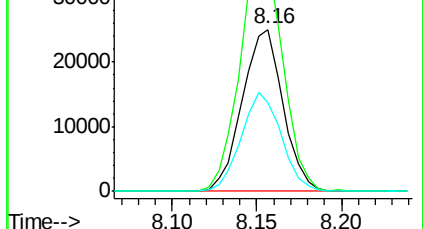
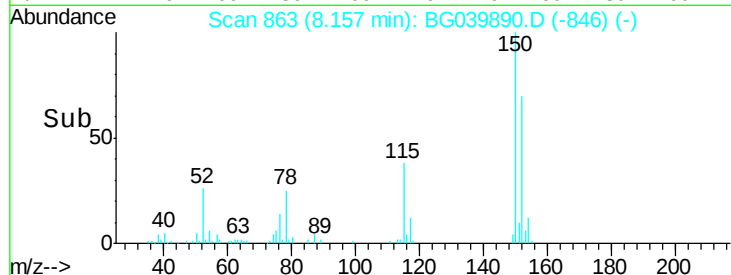
115 54.9 45.9 68.9



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: 130.770 ng

RT: 5.70 min Scan# 445

Delta R.T. 0.00 min

Lab File: BG039890.D

Acq: 13 Mar 2019 2:10

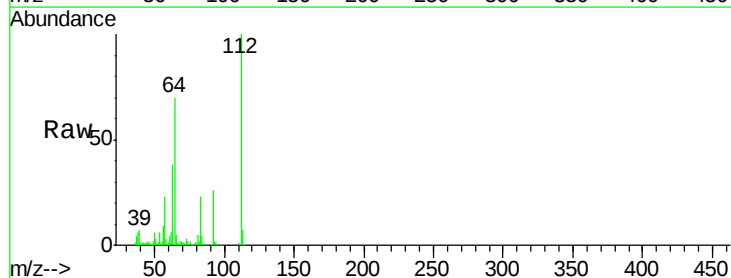
Tgt Ion:112 Resp: 320929

Ion Ratio Lower Upper

112 100

64 69.6 57.8 86.8

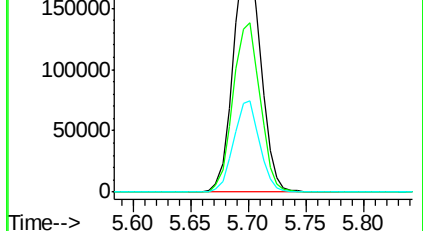
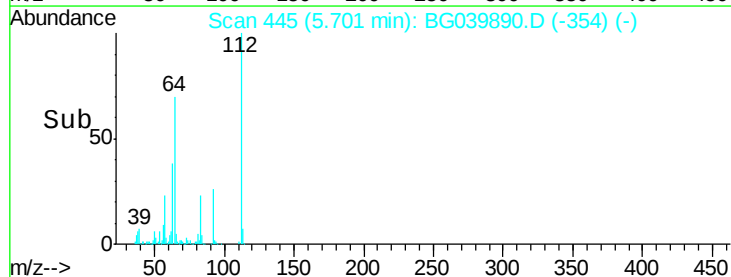
63 37.6 29.8 44.6

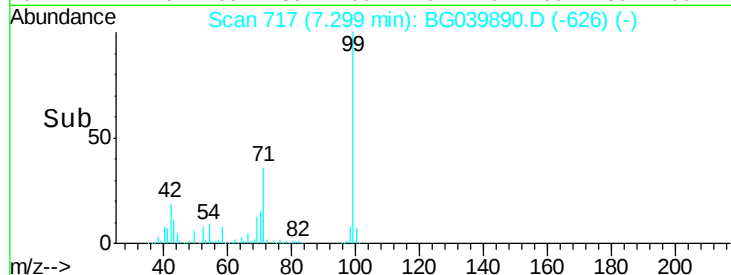
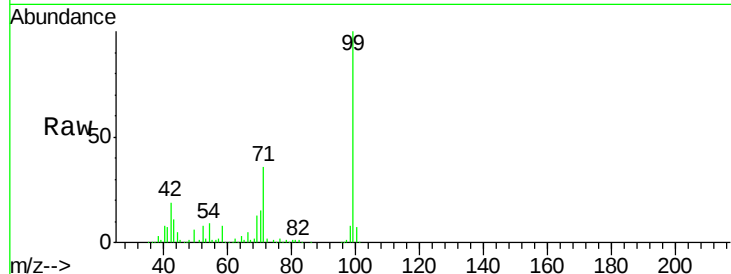
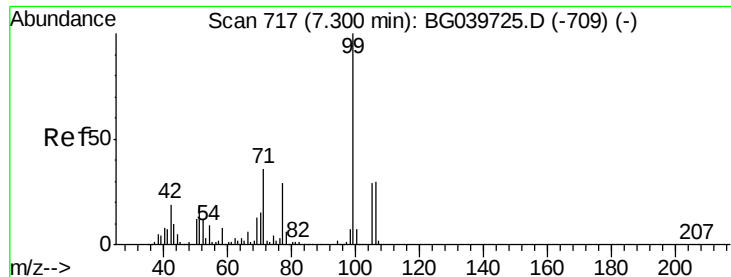


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 109.828 ng

RT: 7.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BG039890.D

Acq: 13 Mar 2019 2:10

Instrument :

BNA_G

ClientSampleId :

HR-06-031119-B

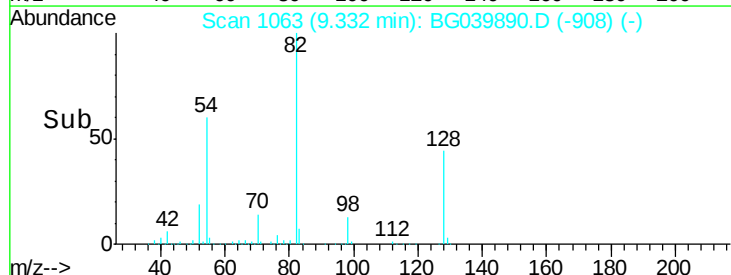
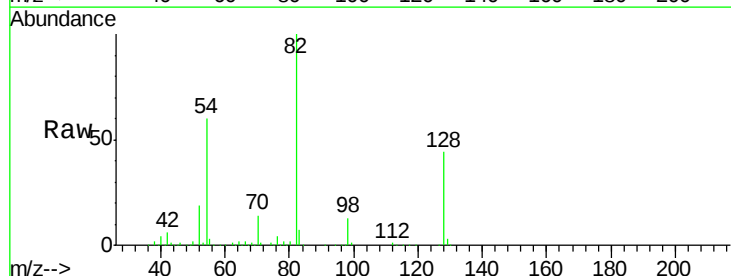
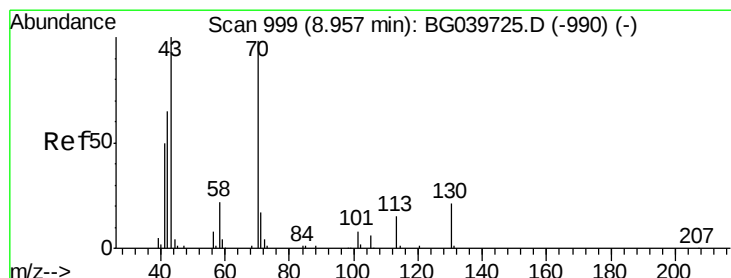
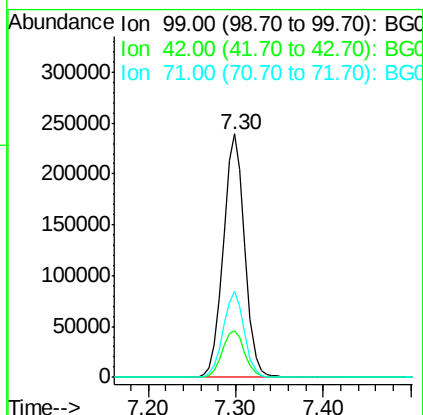
Tgt Ion: 99 Resp: 401892

Ion Ratio Lower Upper

99 100

42 18.9 18.2 27.2

71 35.6 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.131 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.38 min

Lab File: BG039890.D

Acq: 13 Mar 2019 2:10

Tgt Ion: 70 Resp: 42487

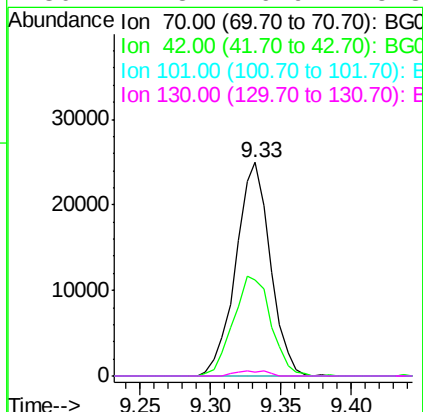
Ion Ratio Lower Upper

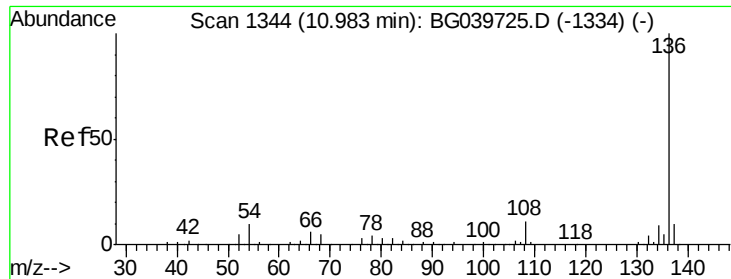
70 100

42 45.0 60.4 90.6#

101 0.0 7.5 11.3#

130 1.8 16.9 25.3#

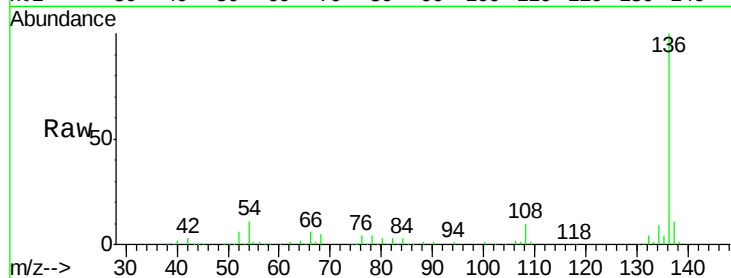




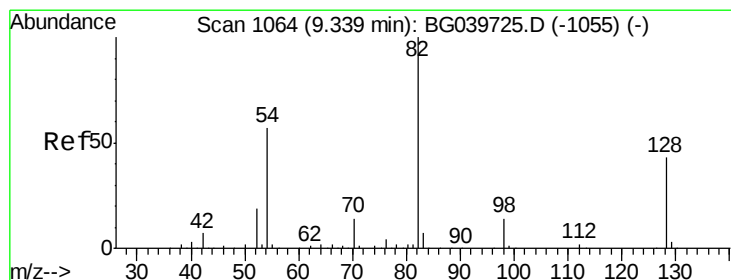
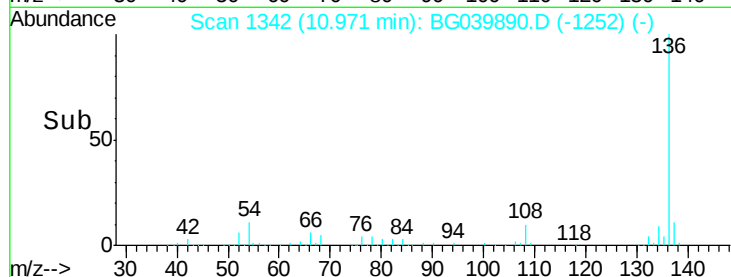
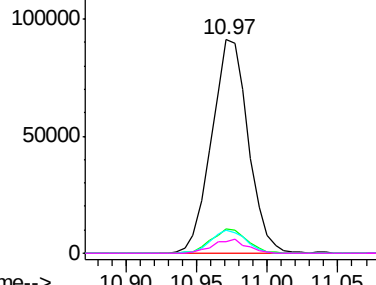
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BG039890.D
Acq: 13 Mar 2019 2:10

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

Tgt Ion:	136	Resp:	165141
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	10.7	9.4	14.2
68	5.4	4.2	6.4

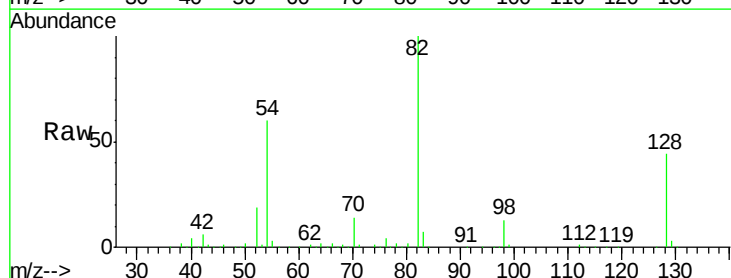


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

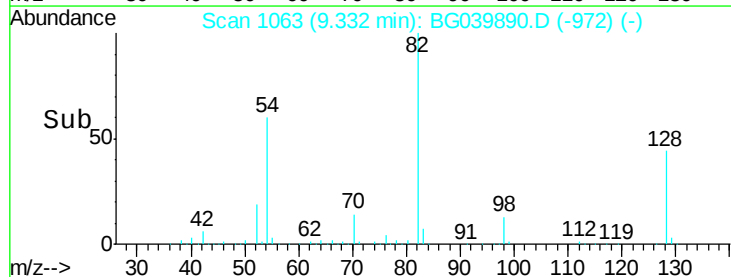
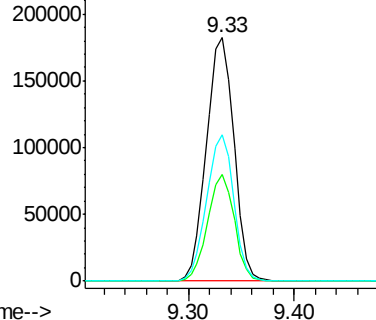


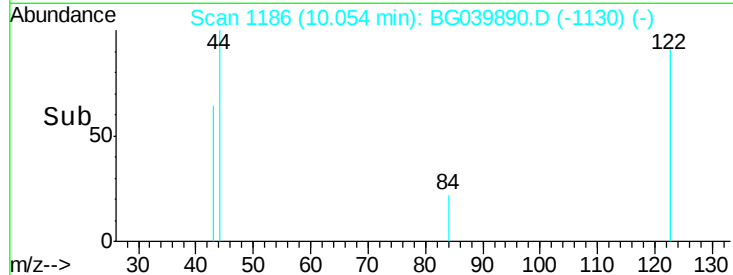
#23
Nitrobenzene-d5
Concen: 107.799 ng
RT: 9.33 min Scan# 1063
Delta R.T. 0.00 min
Lab File: BG039890.D
Acq: 13 Mar 2019 2:10

Tgt Ion:	82	Resp:	329156
Ion	Ratio	Lower	Upper
82	100		
128	43.7	31.3	46.9
54	60.1	50.9	76.3

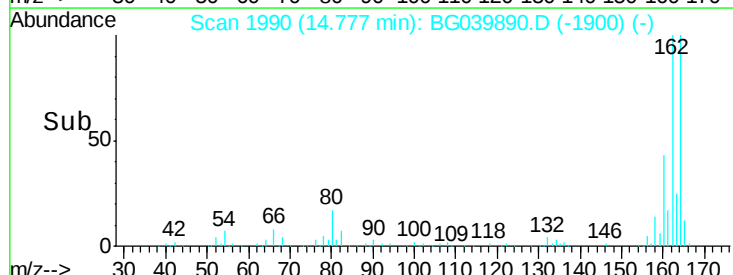
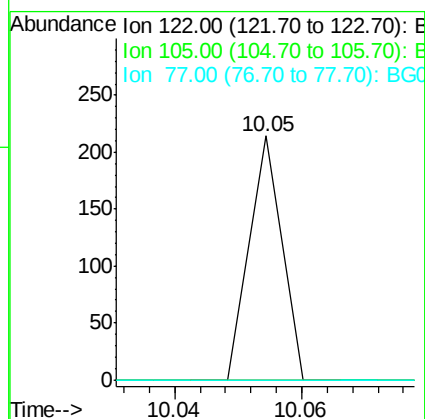


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

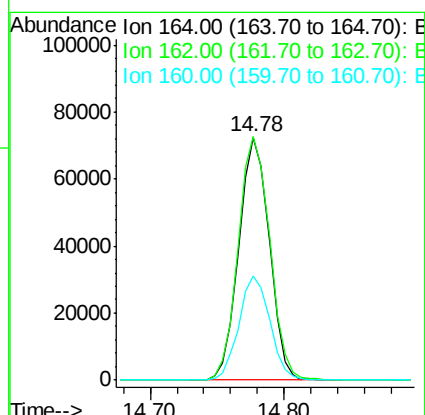


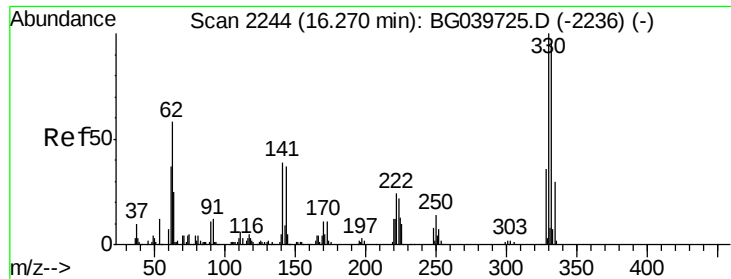


Tgt	Ion:122	Resp:	75
Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#



Tgt	Ion:164	Resp:	114422
Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.6	122.4
160	42.7	34.2	51.2

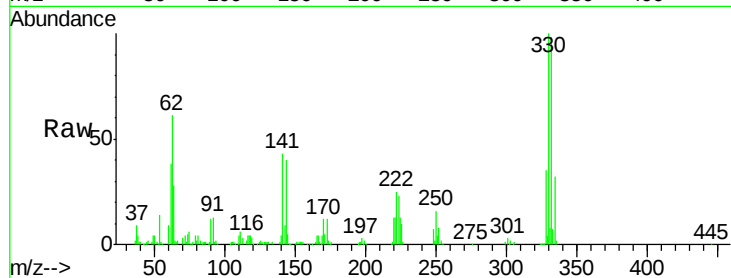




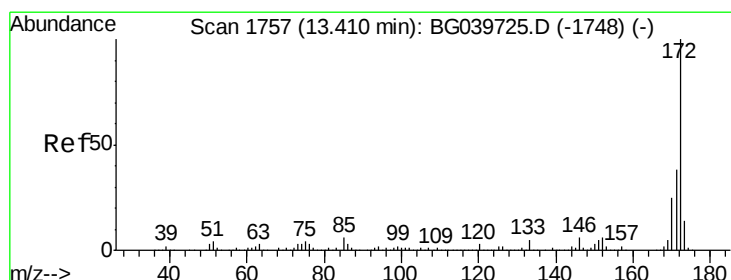
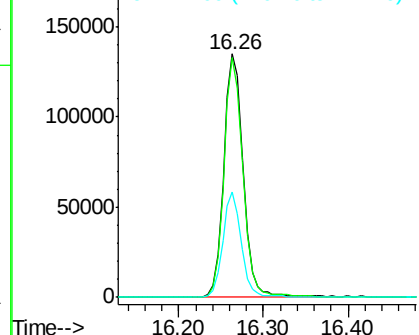
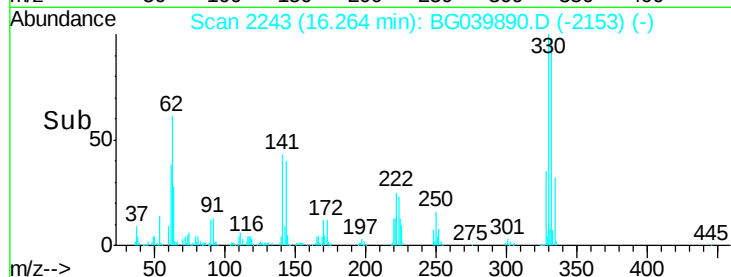
#42
 2,4,6-Tribromophenol
 Concen: 163.442 ng
 RT: 16.26 min Scan# 2243
 Delta R.T. -0.00 min
 Lab File: BG039890.D
 Acq: 13 Mar 2019 2:10

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

Tgt Ion:330 Resp: 217978
 Ion Ratio Lower Upper
 330 100
 332 96.1 75.7 113.5
 141 41.7 35.6 53.4

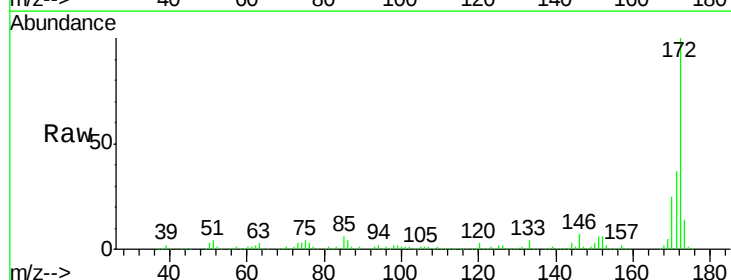


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

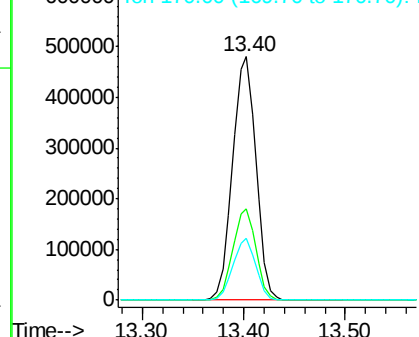
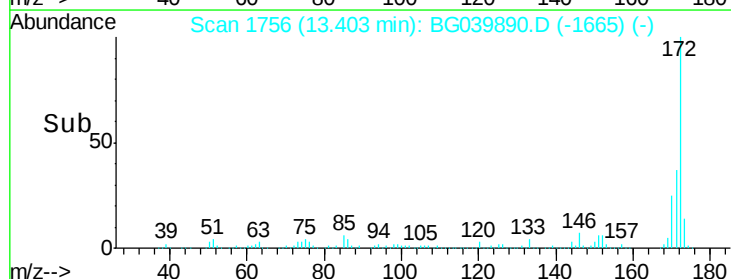


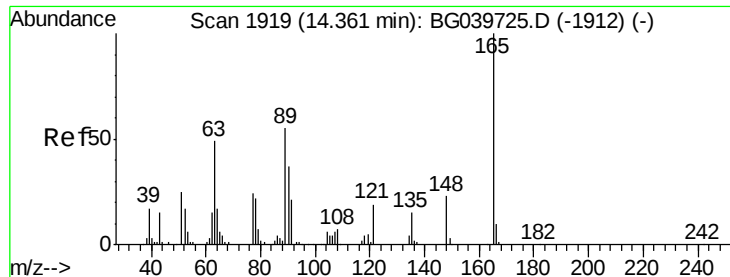
#45
 2-Fluorobiphenyl
 Concen: 95.498 ng
 RT: 13.40 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: BG039890.D
 Acq: 13 Mar 2019 2:10

Tgt Ion:172 Resp: 767442
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.8 46.2
 170 25.2 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





#51

2,6-Dinitrotoluene

Concen: 7.214 ng

RT: 14.78 min Scan# 1990

Delta R.T. 0.42 min

Lab File: BG039890.D

Acq: 13 Mar 2019 2:10

Instrument :

BNA_G

ClientSampleId :

HR-06-031119-B

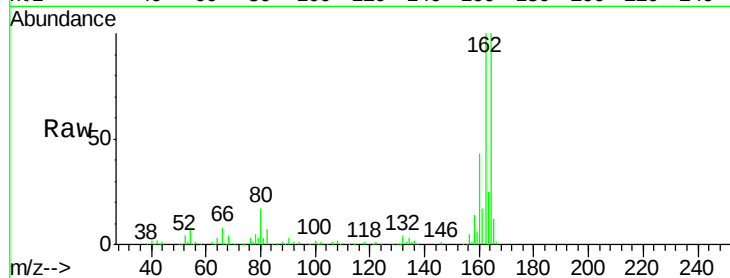
Tgt Ion:165 Resp: 14632

Ion Ratio Lower Upper

165 100

63 2.9 47.0 70.6#

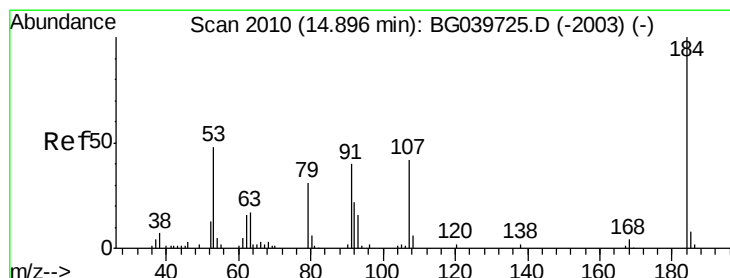
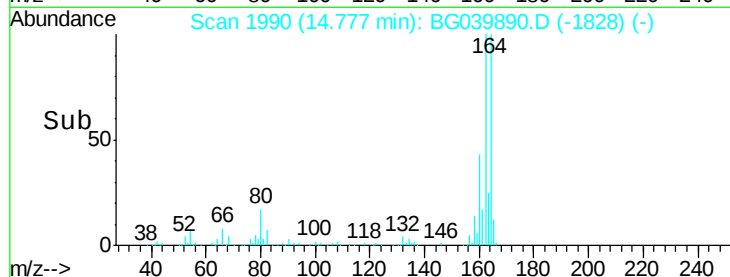
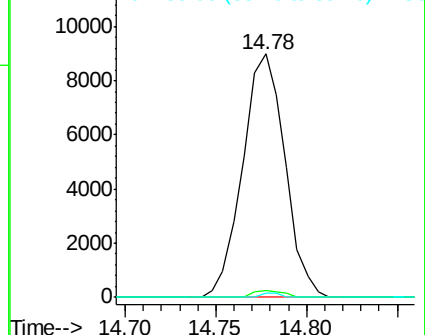
89 1.7 45.8 68.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#54

2,4-Dinitrophenol

Concen: 5.307 ng

RT: 15.26 min Scan# 2073

Delta R.T. 0.37 min

Lab File: BG039890.D

Acq: 13 Mar 2019 2:10

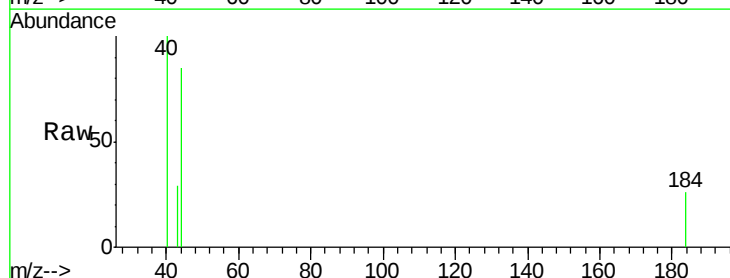
Tgt Ion:184 Resp: 70

Ion Ratio Lower Upper

184 100

63 0.0 50.9 76.3#

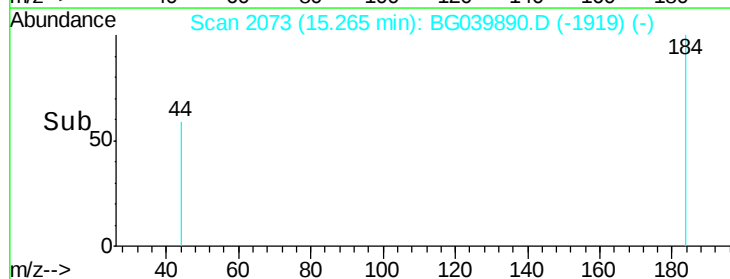
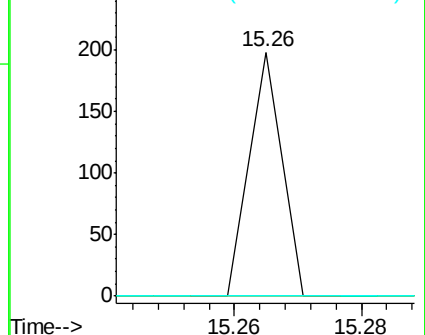
154 0.0 53.0 79.6#

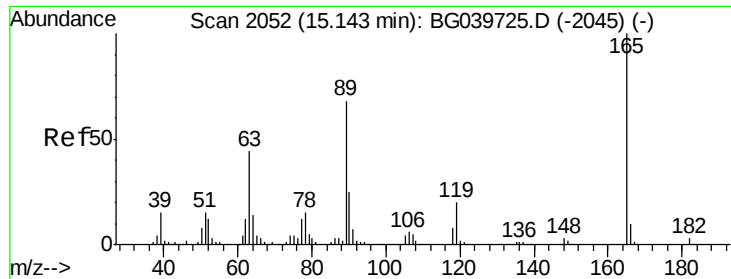


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

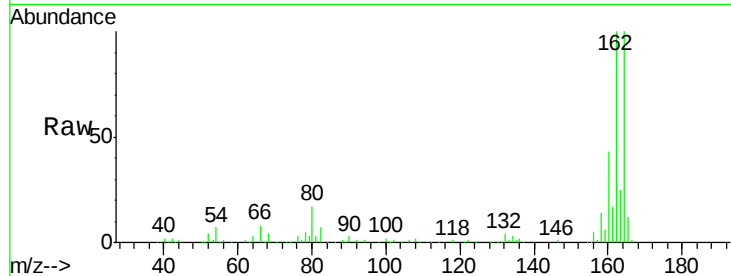




#57
 2,4-Dinitrotoluene
 Concen: 5.134 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. -0.36 min
 Lab File: BG039890.D
 Acq: 13 Mar 2019 2:10

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

Tgt Ion:	165	Resp:	14632
Ion Ratio	Lower	Upper	
165	100		
63	2.9	41.0	61.6#
89	1.7	64.6	96.8#
182	0.0	2.0	3.0#

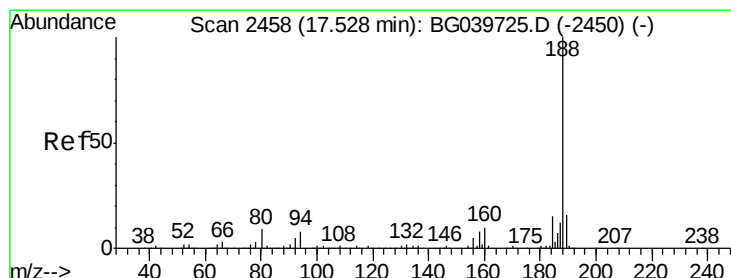
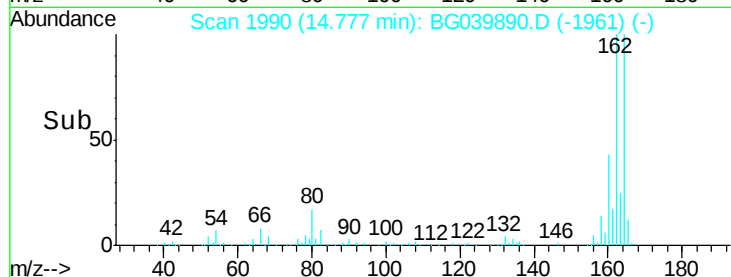
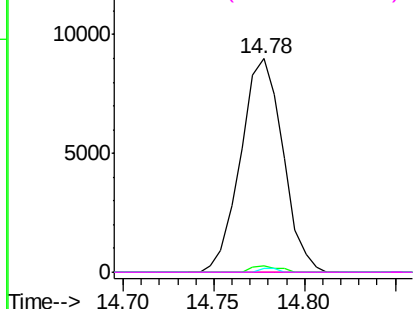


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

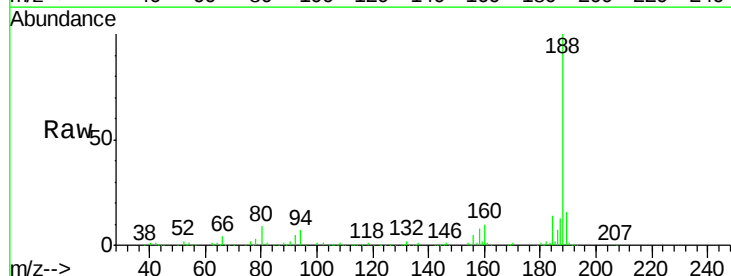
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2457
 Delta R.T. -0.00 min
 Lab File: BG039890.D
 Acq: 13 Mar 2019 2:10

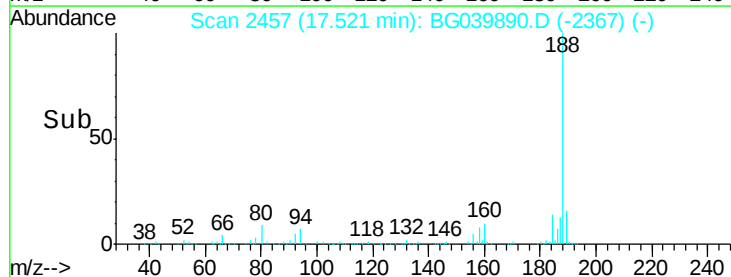
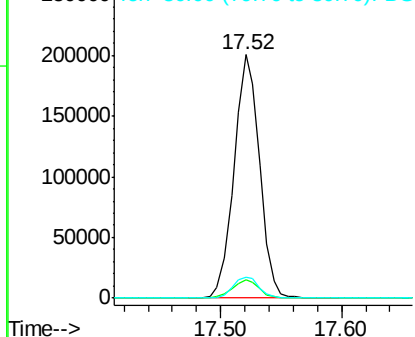
Tgt Ion:	188	Resp:	294587
Ion Ratio	Lower	Upper	
188	100		
94	7.5	6.9	10.3
80	8.7	8.1	12.1

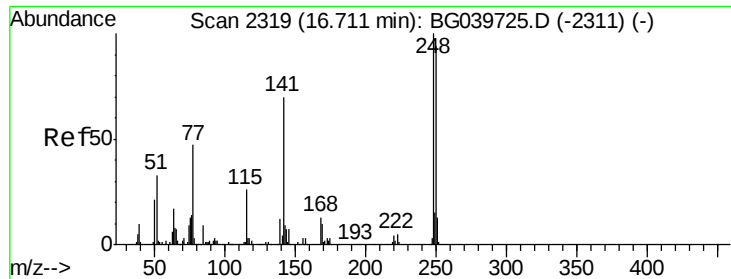


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

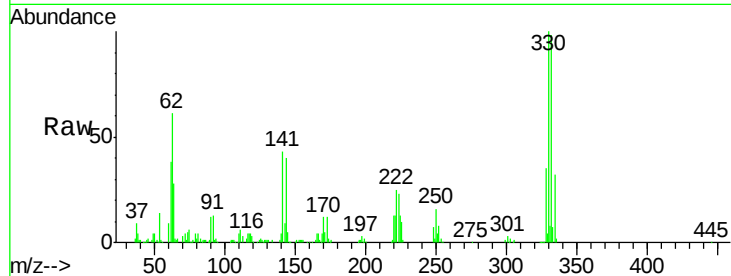




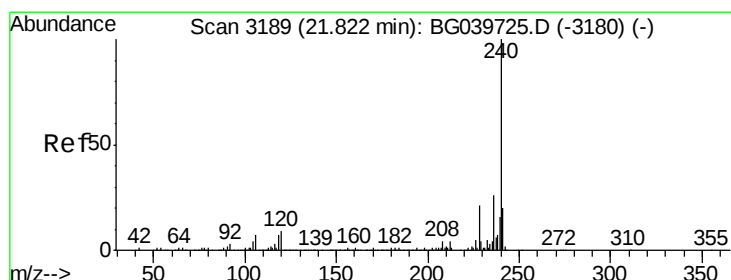
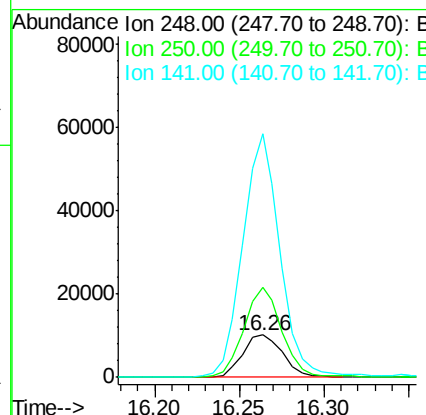
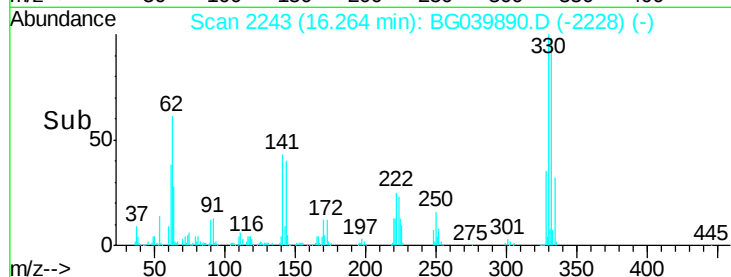
#67
 4-Bromophenyl-phenylether
 Concen: 5.055 ng
 RT: 16.26 min Scan# 2243
 Delta R.T. -0.44 min
 Lab File: BG039890.D
 Acq: 13 Mar 2019 2:10

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

Tgt Ion:248 Resp: 16669
 Ion Ratio Lower Upper
 248 100
 250 212.0 77.6 116.4#
 141 576.9 63.9 95.9#

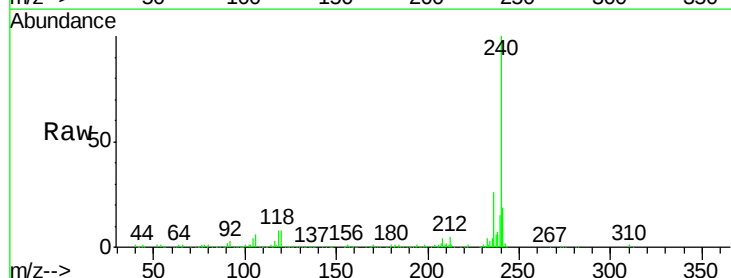


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

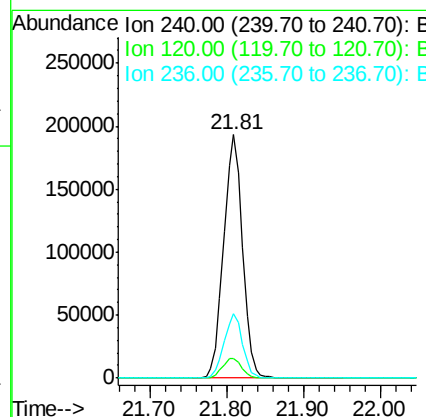
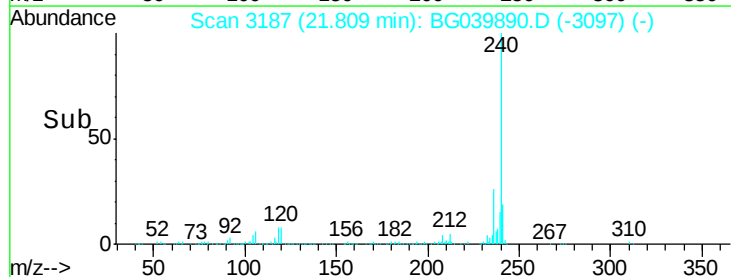


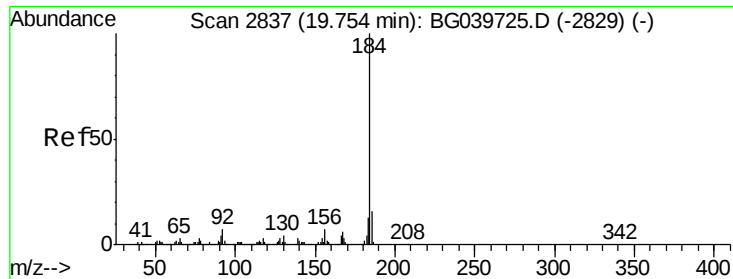
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.81 min Scan# 3187
 Delta R.T. -0.00 min
 Lab File: BG039890.D
 Acq: 13 Mar 2019 2:10

Tgt Ion:240 Resp: 327709
 Ion Ratio Lower Upper
 240 100
 120 7.9 7.0 10.6
 236 26.3 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: 2.482 ng

RT: 20.12 min Scan# 2899

Delta R.T. 0.37 min

Lab File: BG039890.D

Acq: 13 Mar 2019 2:10

Instrument :

BNA_G

ClientSampleId :

HR-06-031119-B

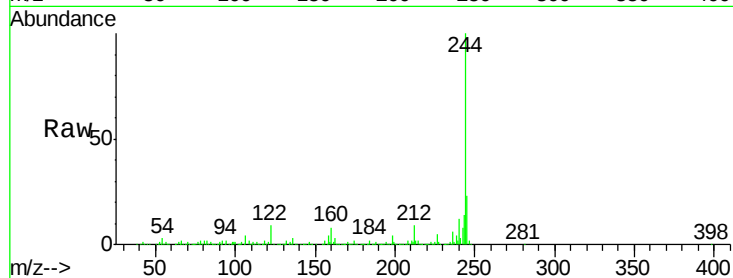
Tgt Ion:184 Resp: 25814

Ion Ratio Lower Upper

184 100

185 15.8 12.2 18.2

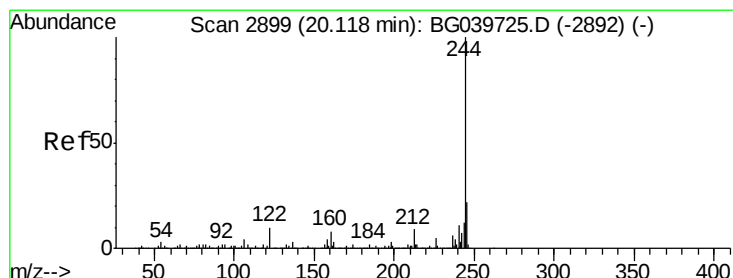
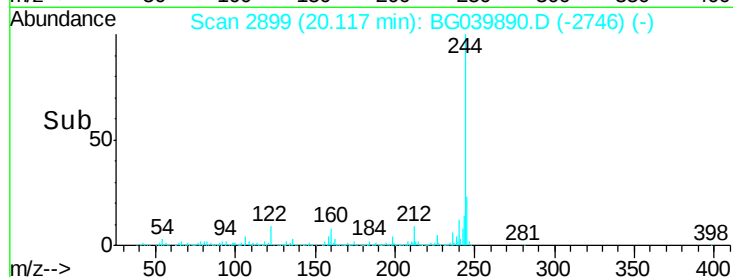
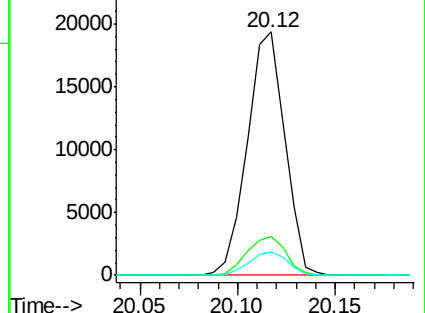
183 9.9 10.6 15.8#



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: 97.376 ng

RT: 20.12 min Scan# 2899

Delta R.T. 0.00 min

Lab File: BG039890.D

Acq: 13 Mar 2019 2:10

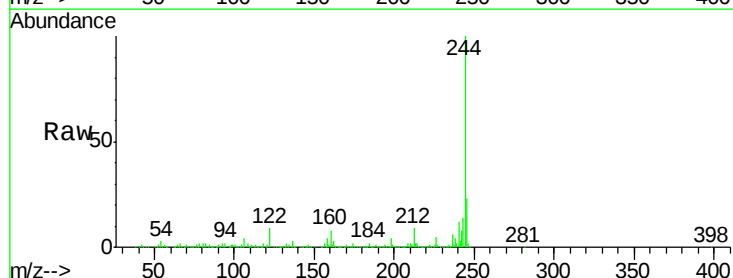
Tgt Ion:244 Resp: 1449308

Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

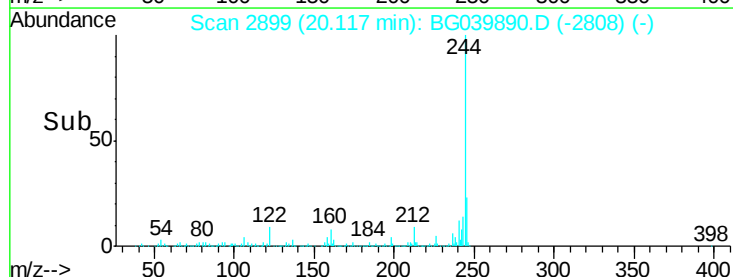
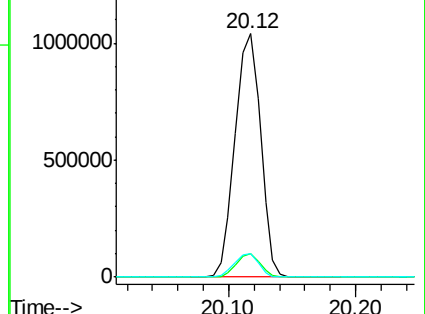
122 9.5 8.4 12.6

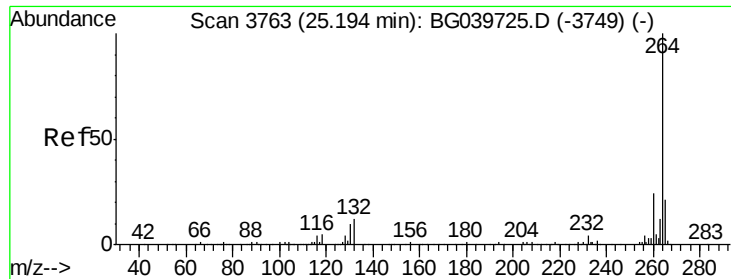


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

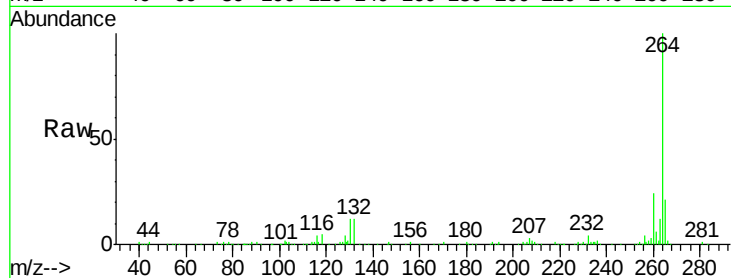




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.17 min Scan# 3760
Delta R.T. -0.01 min
Lab File: BG039890.D
Acq: 13 Mar 2019 2:10

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

Tgt Ion:	264	Resp:	316568
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.2	27.4
265	20.8	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

