

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031119\
 Data File : BG039857.D
 Acq On : 12 Mar 2019 2:22
 Operator : JU/SJ
 Sample : K1693-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-01-030719-A

Quant Time: Mar 12 03:40:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

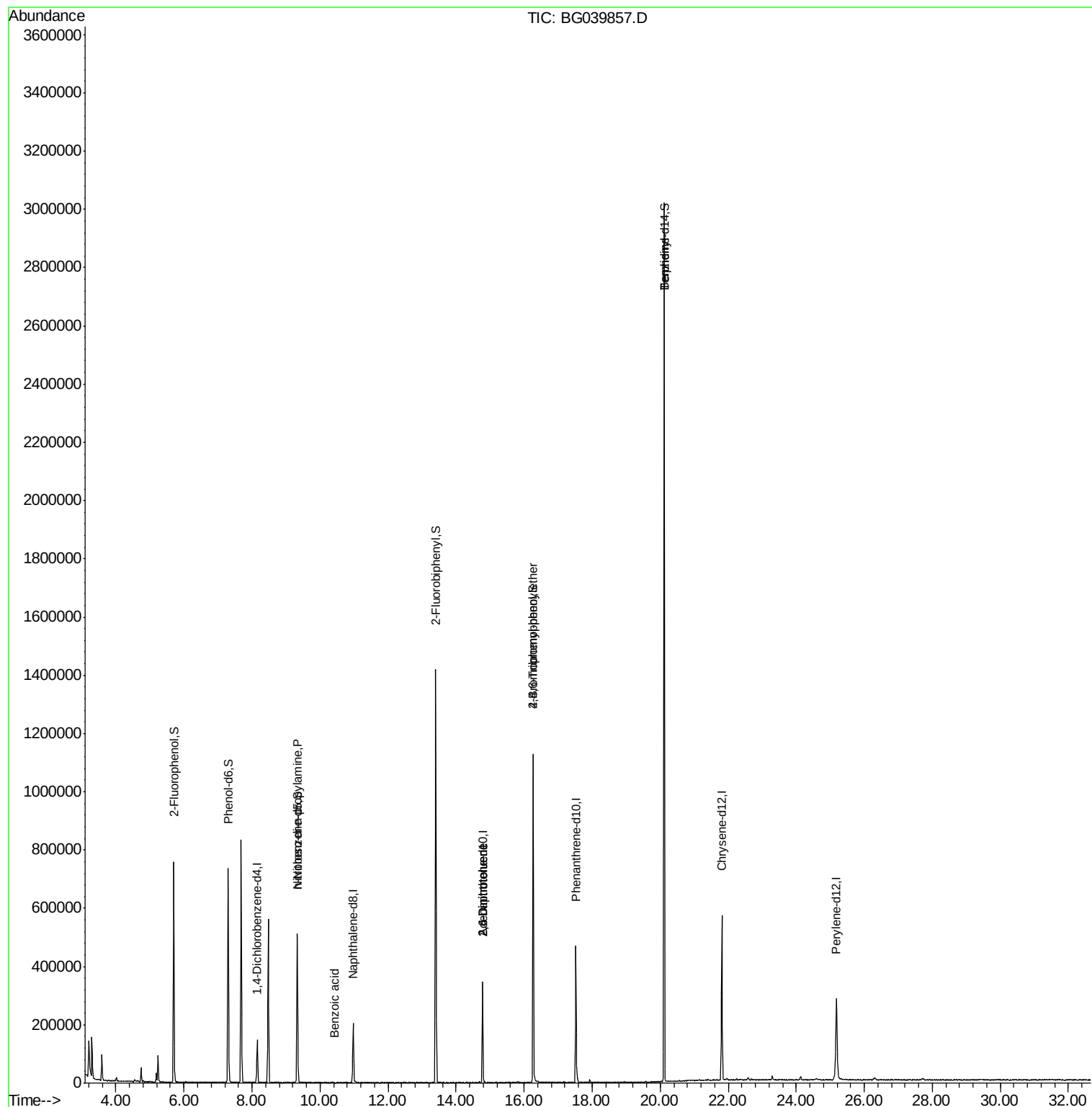
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	42808	20.00	ng	-0.02
21) Naphthalene-d8	10.98	136	173554	20.00	ng	-0.01
39) Acenaphthene-d10	14.78	164	119446	20.00	ng	-0.01
64) Phenanthrene-d10	17.53	188	314719	20.00	ng	0.00
76) Chrysene-d12	21.81	240	346270	20.00	ng	-0.02
87) Perylene-d12	25.18	264	332667	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	320287	127.64	ng	0.00
7) Phenol-d6	7.30	99	418936	111.97	ng	-0.01
23) Nitrobenzene-d5	9.33	82	304181	94.79	ng	-0.01
42) 2,4,6-Tribromophenol	16.26	330	200094	143.72	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	741183	88.35	ng	-0.01
79) Terphenyl-d14	20.12	244	1361755	86.59	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	39276	14.584	ng	# 66
32) Benzoic acid	10.44	122	55	6.626	ng	# 1
51) 2,6-Dinitrotoluene	14.78	165	14997	7.083	ng	# 25
57) 2,4-Dinitrotoluene	14.78	165	14997	5.041	ng	# 20
67) 4-Bromophenyl-phenylether	16.26	248	15539	4.411	ng	# 1
77) Benzidine	20.12	184	24272	2.209	ng	# 94

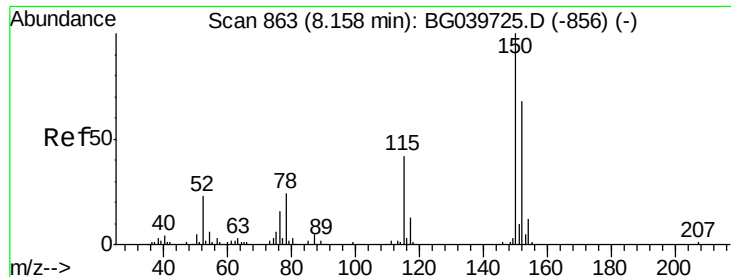
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.15 min Scan# 862

Delta R.T. -0.02 min

Lab File: BG039857.D

Acq: 12 Mar 2019 2:22

Instrument :

BNA_G

ClientSampleId :

OR-01-030719-A

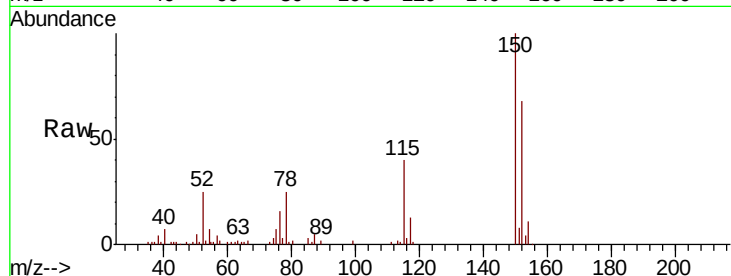
Tgt Ion:152 Resp: 42808

Ion Ratio Lower Upper

152 100

150 146.7 123.7 185.5

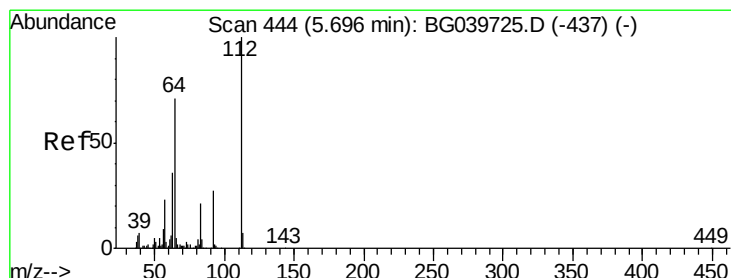
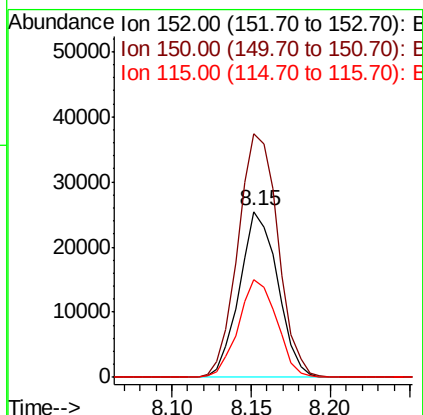
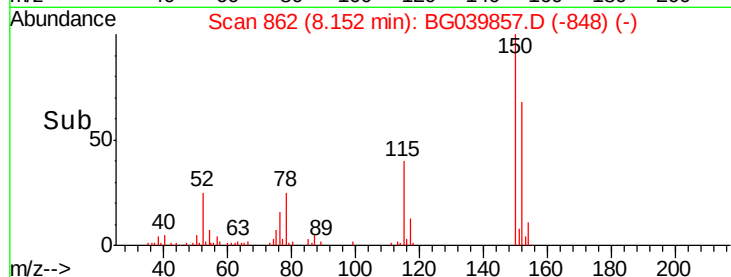
115 58.8 45.9 68.9



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: 127.643 ng

RT: 5.70 min Scan# 445

Delta R.T. -0.01 min

Lab File: BG039857.D

Acq: 12 Mar 2019 2:22

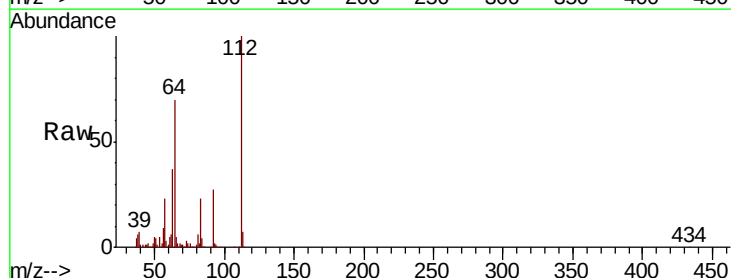
Tgt Ion:112 Resp: 320287

Ion Ratio Lower Upper

112 100

64 70.1 57.8 86.8

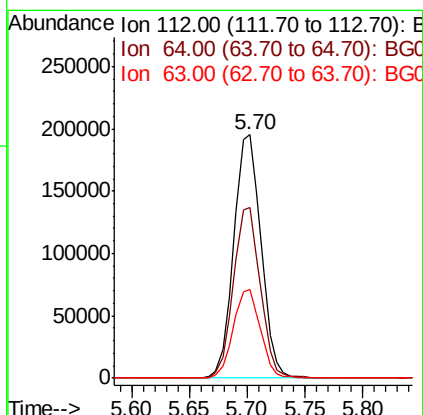
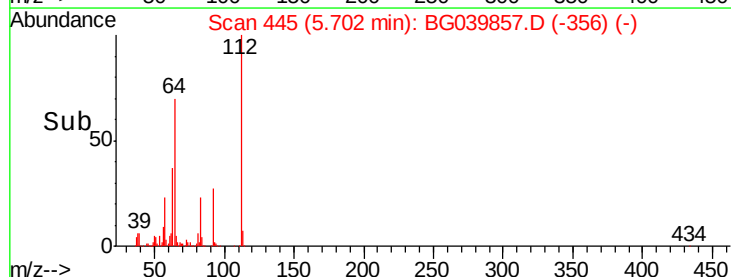
63 36.6 29.8 44.6

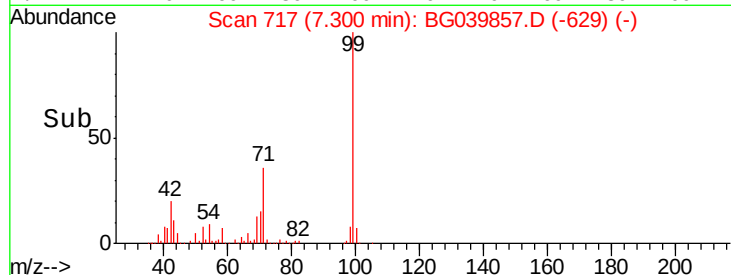
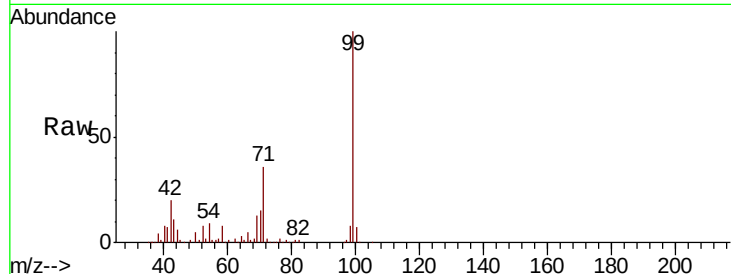
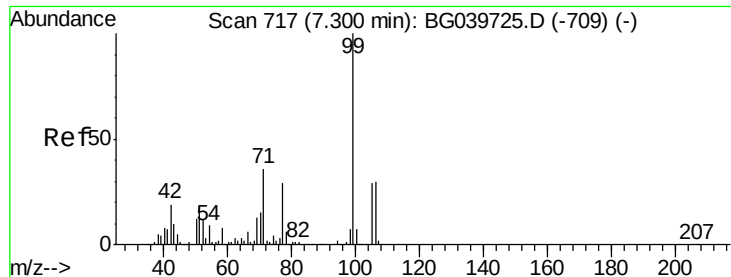


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 111.972 ng

RT: 7.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BG039857.D

Acq: 12 Mar 2019 2:22

Instrument :

BNA_G

ClientSampleId :

OR-01-030719-A

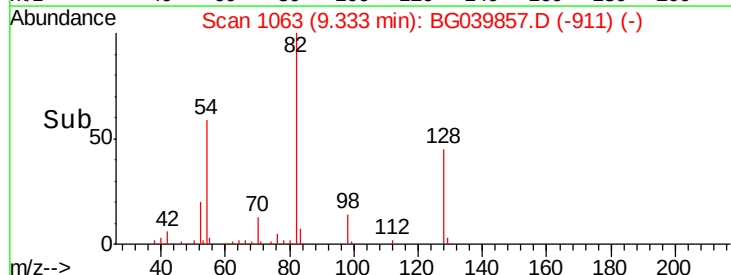
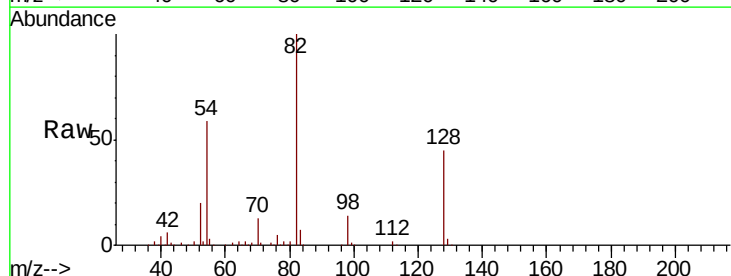
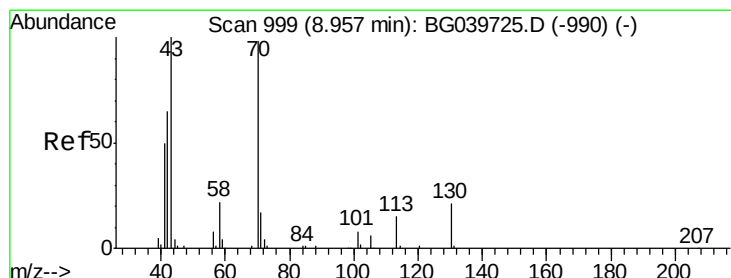
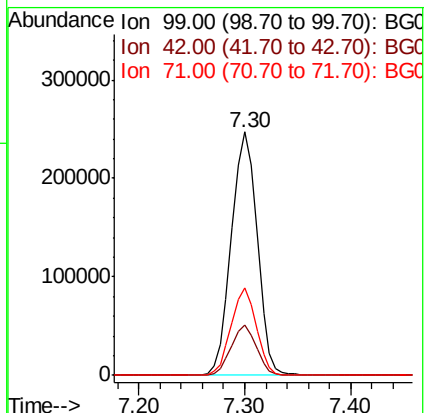
Tgt Ion: 99 Resp: 418936

Ion Ratio Lower Upper

99 100

42 20.5 18.2 27.2

71 35.9 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.584 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG039857.D

Acq: 12 Mar 2019 2:22

Tgt Ion: 70 Resp: 39276

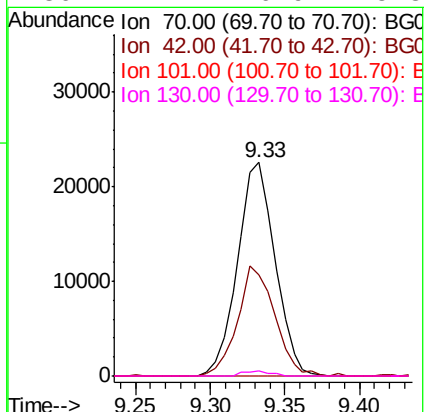
Ion Ratio Lower Upper

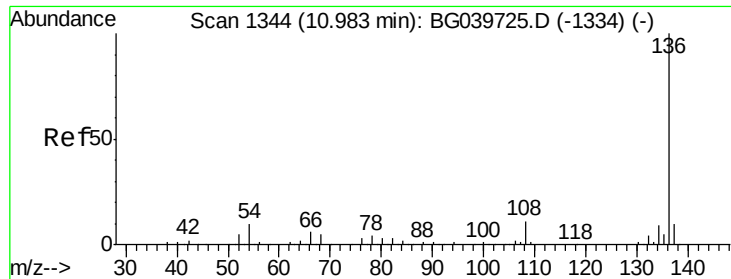
70 100

42 47.4 60.4 90.6#

101 0.0 7.5 11.3#

130 2.2 16.9 25.3#

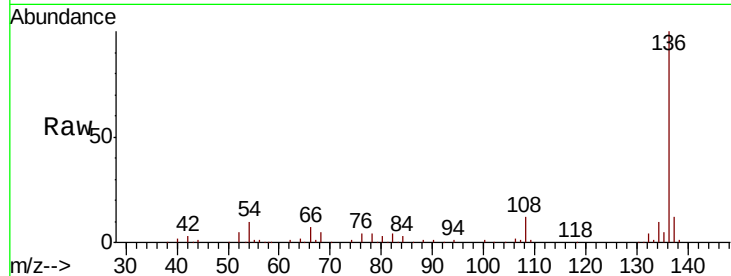




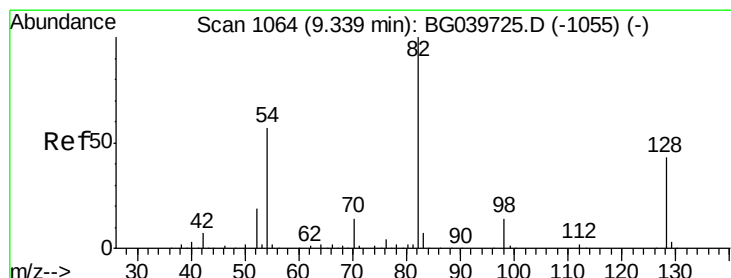
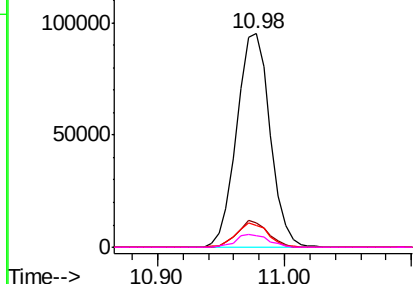
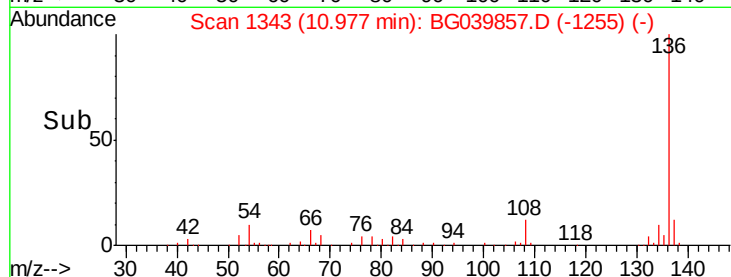
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG039857.D
Acq: 12 Mar 2019 2:22

Instrument :
BNA_G
ClientSampleId :
OR-01-030719-A

Tgt Ion:	136	Resp:	173554
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	10.2	9.4	14.2
68	5.4	4.2	6.4

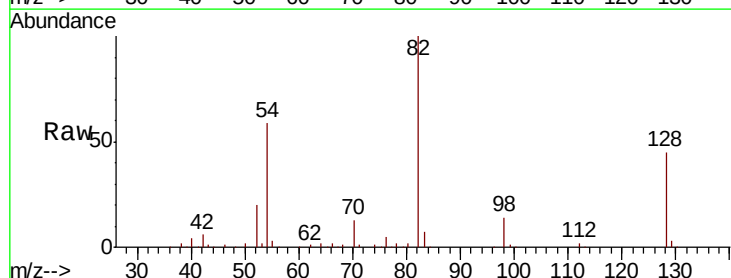


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

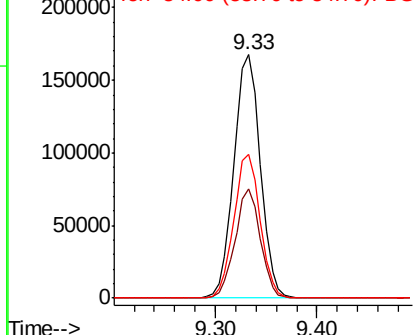
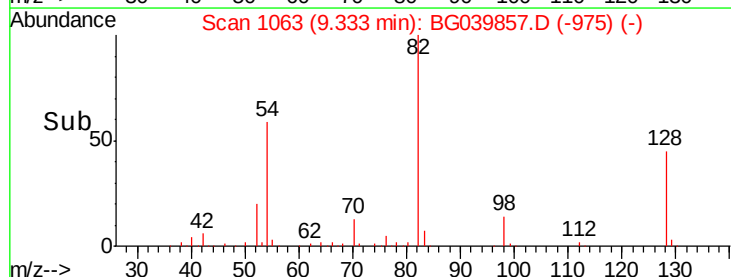


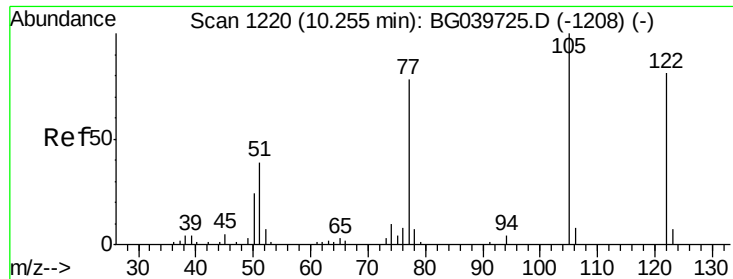
#23
Nitrobenzene-d5
Concen: 94.791 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG039857.D
Acq: 12 Mar 2019 2:22

Tgt Ion:	82	Resp:	304181
Ion	Ratio	Lower	Upper
82	100		
128	45.1	31.3	46.9
54	59.2	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





#32

Benzoic acid

Concen: 6.626 ng

RT: 10.44 min Scan# 1251

Delta R.T. 0.18 min

Lab File: BG039857.D

Acq: 12 Mar 2019 2:22

Instrument :

BNA_G

ClientSampleId :

OR-01-030719-A

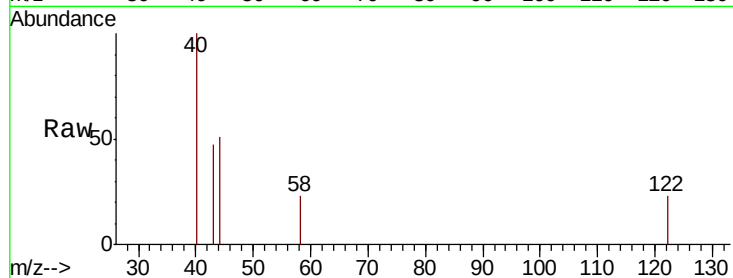
Tgt Ion:122 Resp: 55

Ion Ratio Lower Upper

122 100

105 0.0 101.8 141.8#

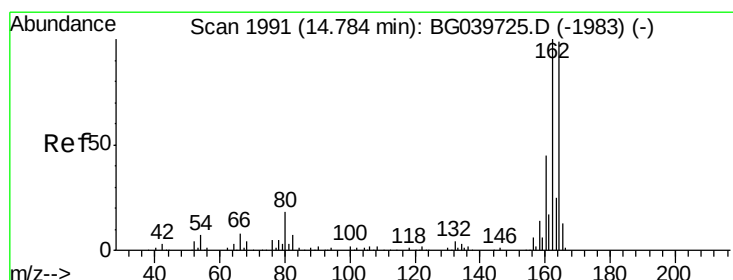
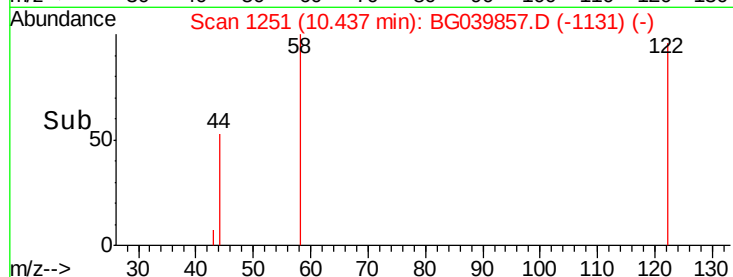
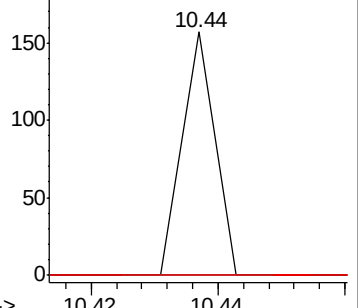
77 0.0 76.3 116.3#



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): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG039857.D

Acq: 12 Mar 2019 2:22

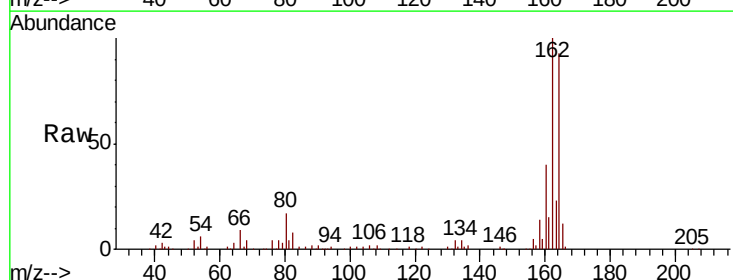
Tgt Ion:164 Resp: 119446

Ion Ratio Lower Upper

164 100

162 108.1 81.6 122.4

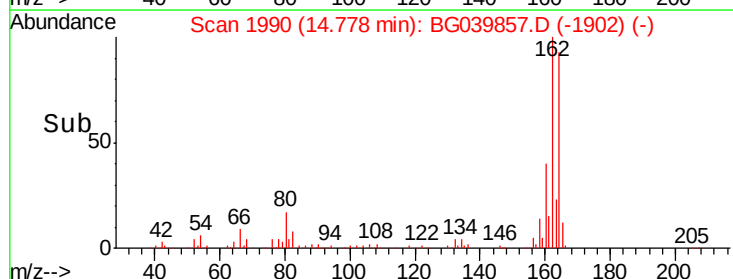
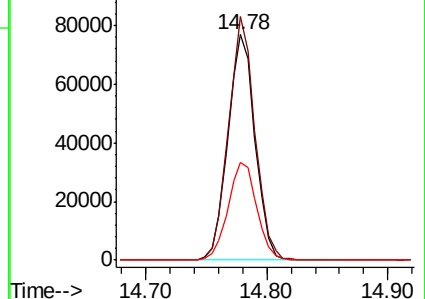
160 43.1 34.2 51.2

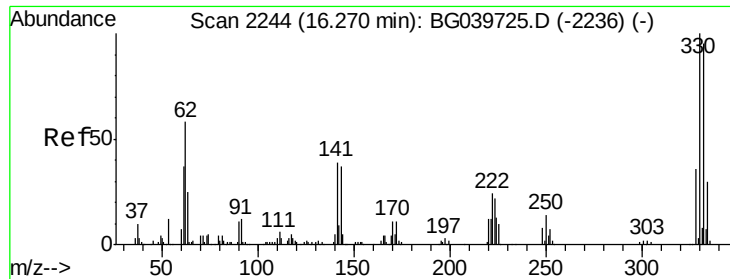


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

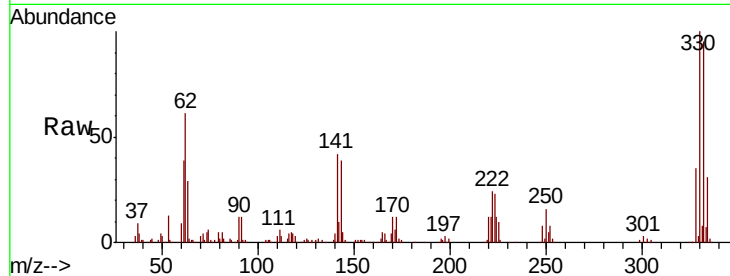




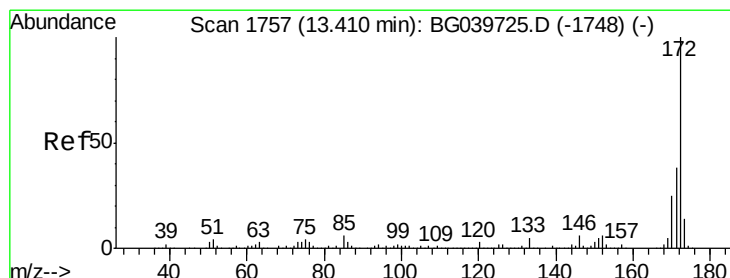
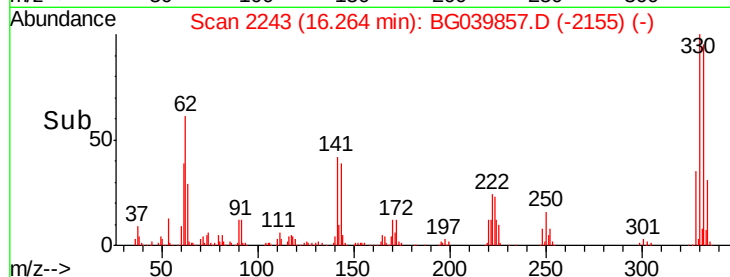
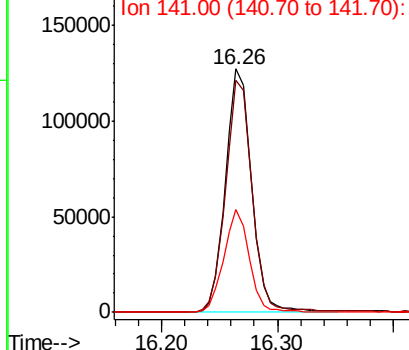
#42
 2,4,6-Tribromophenol
 Concen: 143.722 ng
 RT: 16.26 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BG039857.D
 Acq: 12 Mar 2019 2:22

Instrument :
 BNA_G
 ClientSampleId :
 OR-01-030719-A

Tgt Ion:330 Resp: 200094
 Ion Ratio Lower Upper
 330 100
 332 96.6 75.7 113.5
 141 41.1 35.6 53.4

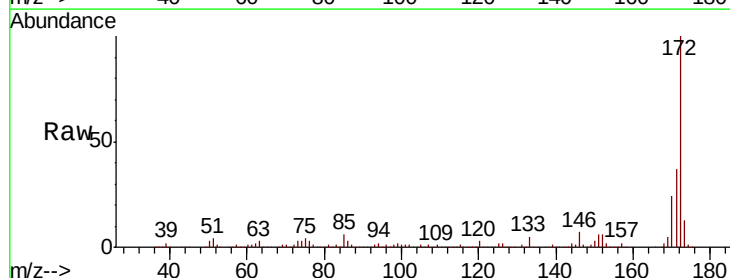


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

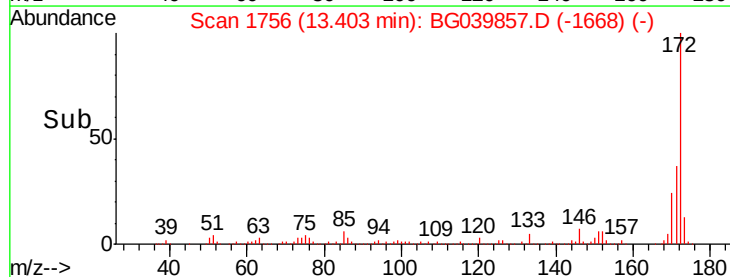
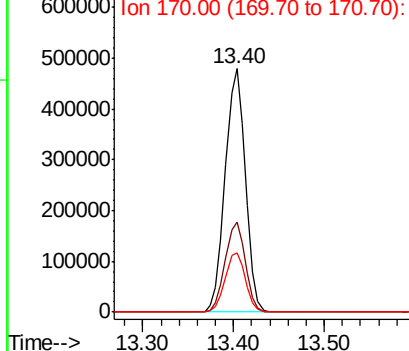


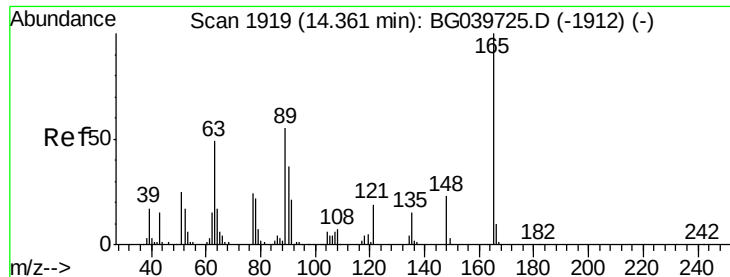
#45
 2-Fluorobiphenyl
 Concen: 88.351 ng
 RT: 13.40 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BG039857.D
 Acq: 12 Mar 2019 2:22

Tgt Ion:172 Resp: 741183
 Ion Ratio Lower Upper
 172 100
 171 37.2 30.8 46.2
 170 24.2 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: 7.083 ng

RT: 14.78 min Scan# 1990

Delta R.T. 0.41 min

Lab File: BG039857.D

Acq: 12 Mar 2019 2:22

Instrument :

BNA_G

ClientSampleId :

OR-01-030719-A

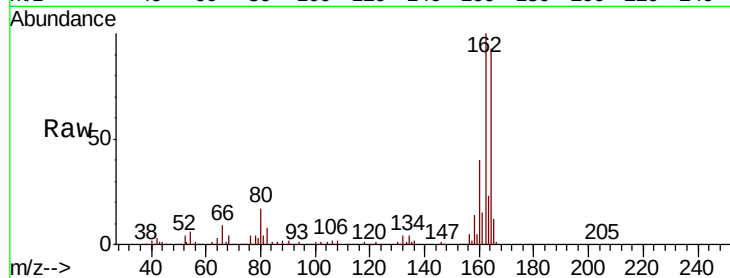
Tgt Ion:165 Resp: 14997

Ion Ratio Lower Upper

165 100

63 1.7 47.0 70.6#

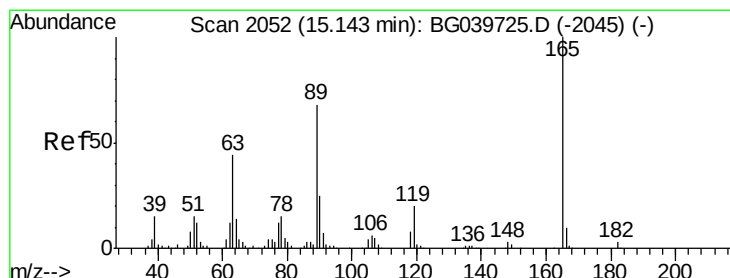
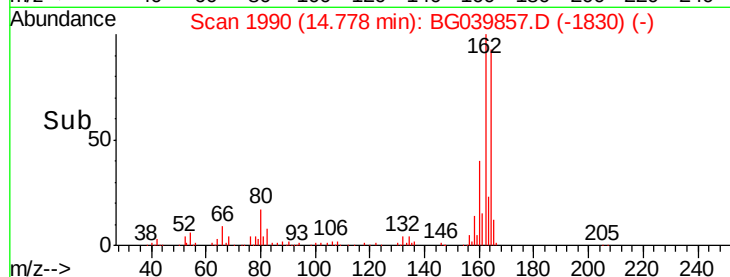
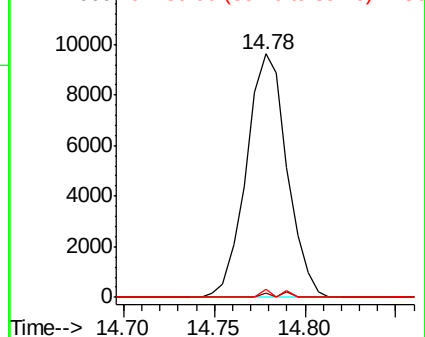
89 3.3 45.8 68.8#



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



#57

2,4-Dinitrotoluene

Concen: 5.041 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.37 min

Lab File: BG039857.D

Acq: 12 Mar 2019 2:22

Tgt Ion:165 Resp: 14997

Ion Ratio Lower Upper

165 100

63 1.7 41.0 61.6#

89 3.3 64.6 96.8#

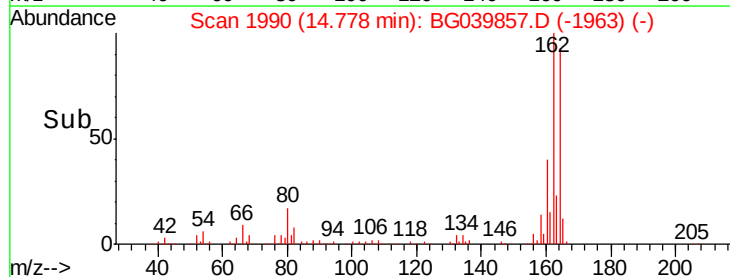
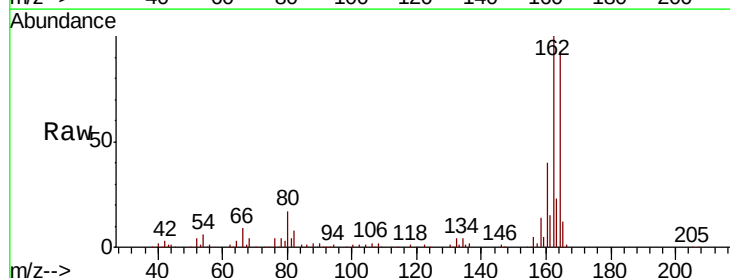
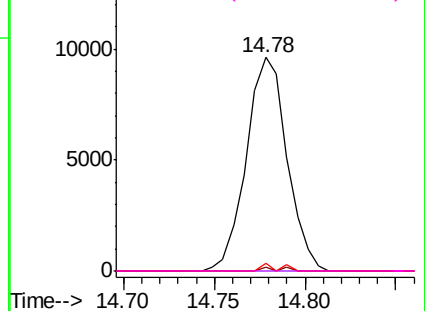
182 0.0 2.0 3.0#

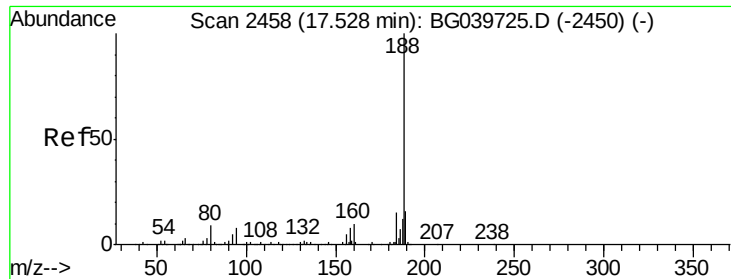
Abundance Ion 165.00 (164.70 to 165.70): E

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

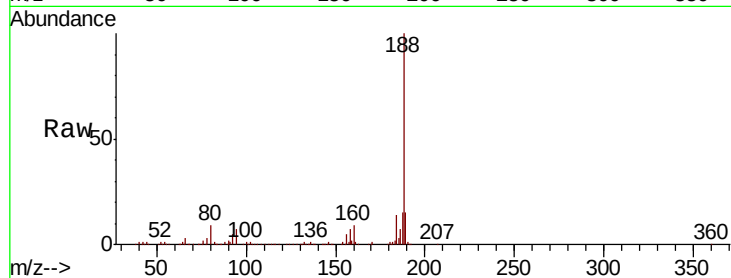




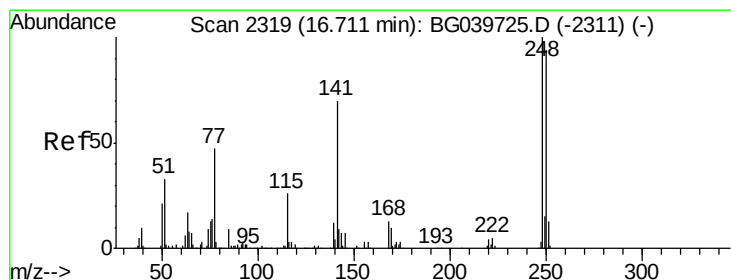
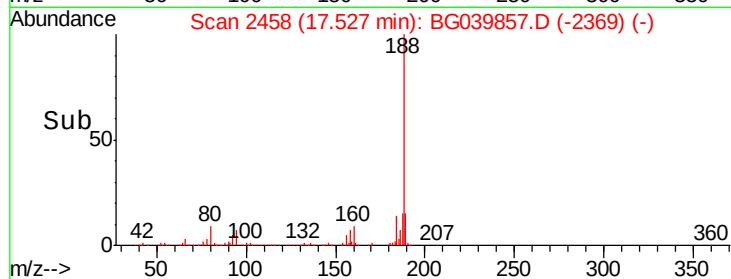
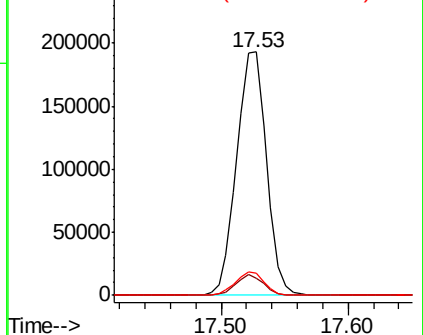
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.53 min Scan# 2458
 Delta R.T. -0.01 min
 Lab File: BG039857.D
 Acq: 12 Mar 2019 2:22

Instrument :
 BNA_G
 ClientSampleId :
 OR-01-030719-A

Tgt Ion:188 Resp: 314719
 Ion Ratio Lower Upper
 188 100
 94 7.1 6.9 10.3
 80 9.3 8.1 12.1

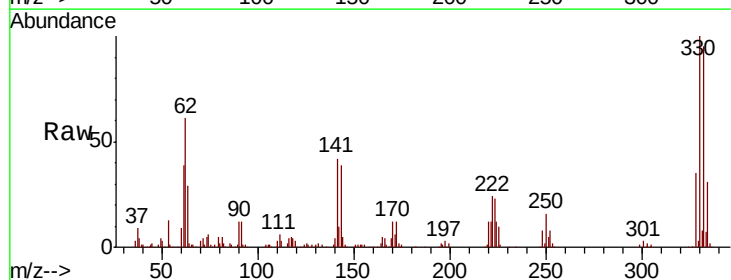


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGO
 Ion 80.00 (79.70 to 80.70): BGO

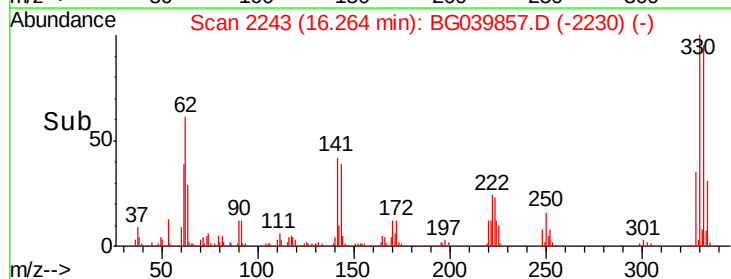
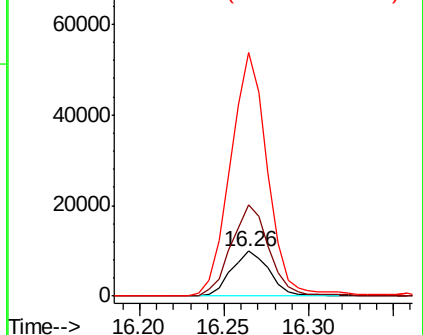


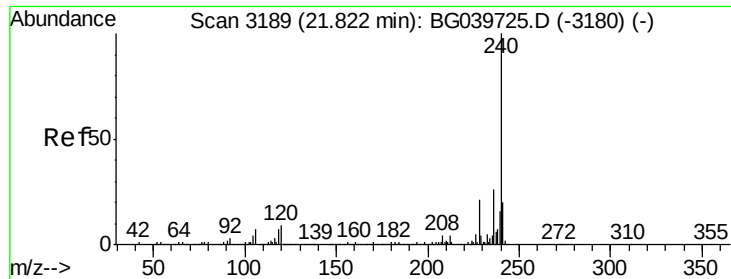
#67
 4-Bromophenyl-phenylether
 Concen: 4.411 ng
 RT: 16.26 min Scan# 2243
 Delta R.T. -0.45 min
 Lab File: BG039857.D
 Acq: 12 Mar 2019 2:22

Tgt Ion:248 Resp: 15539
 Ion Ratio Lower Upper
 248 100
 250 203.0 77.6 116.4#
 141 544.1 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

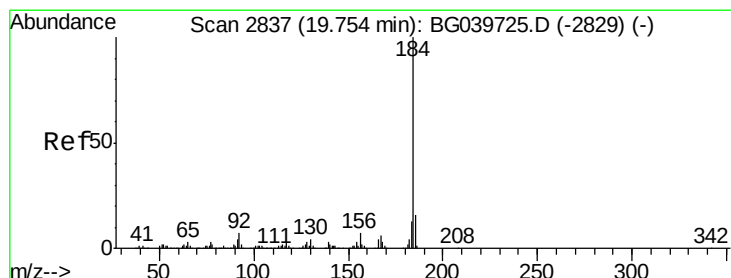
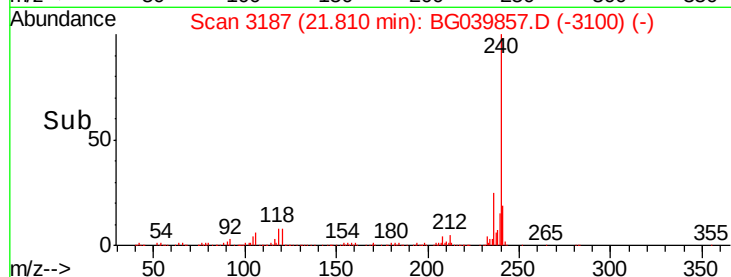
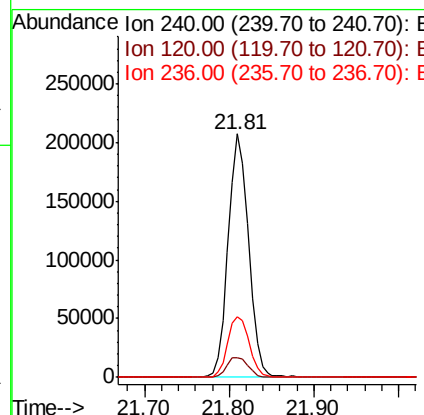
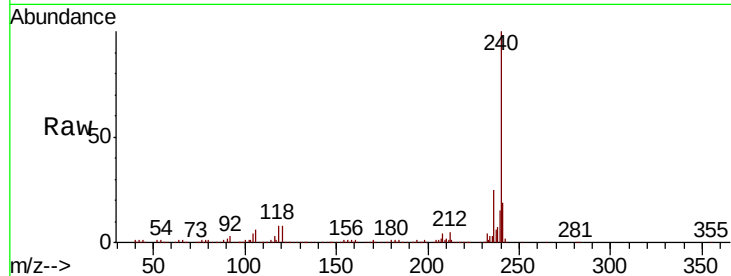




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3187
Delta R.T. -0.02 min
Lab File: BG039857.D
Acq: 12 Mar 2019 2:22

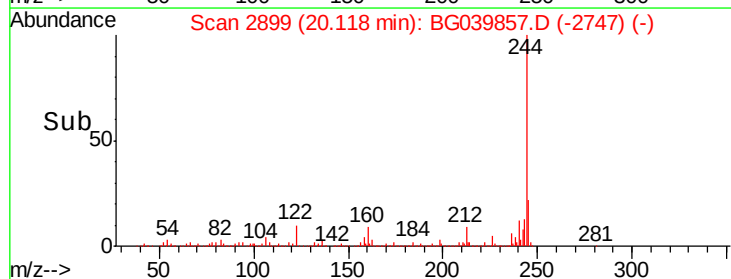
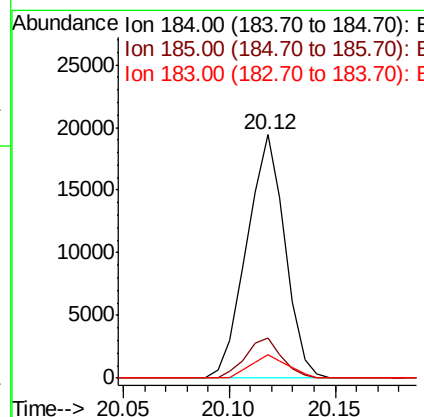
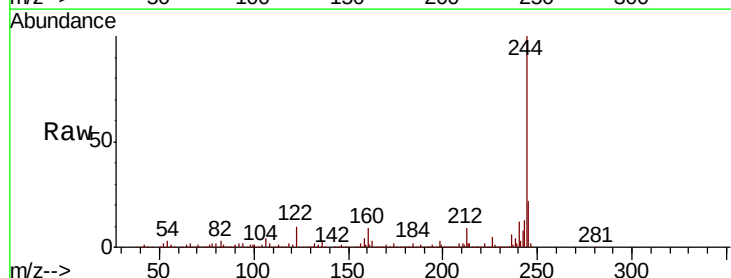
Instrument :
BNA_G
ClientSampleId :
OR-01-030719-A

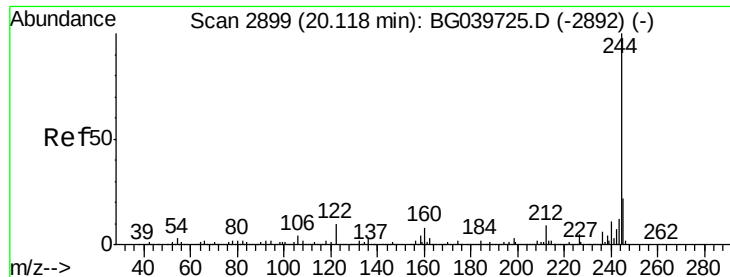
Tgt Ion:240 Resp: 346270
Ion Ratio Lower Upper
240 100
120 8.3 7.0 10.6
236 25.0 21.0 31.4



#77
Benzidine
Concen: 2.209 ng
RT: 20.12 min Scan# 2899
Delta R.T. 0.36 min
Lab File: BG039857.D
Acq: 12 Mar 2019 2:22

Tgt Ion:184 Resp: 24272
Ion Ratio Lower Upper
184 100
185 16.3 12.2 18.2
183 9.4 10.6 15.8#





#79

Terphenyl-d14

Concen: 86.589 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.01 min

Lab File: BG039857.D

Acq: 12 Mar 2019 2:22

Instrument :

BNA_G

ClientSampleId :

OR-01-030719-A

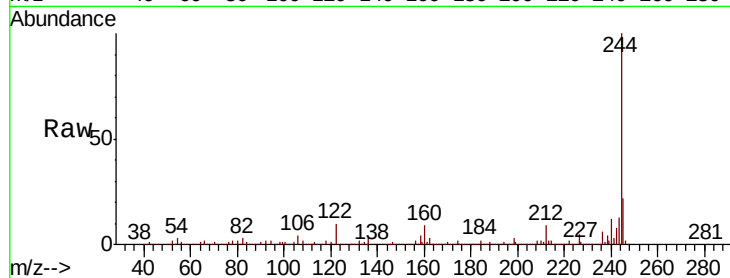
Tgt Ion:244 Resp: 1361755

Ion Ratio Lower Upper

244 100

212 9.3 7.3 10.9

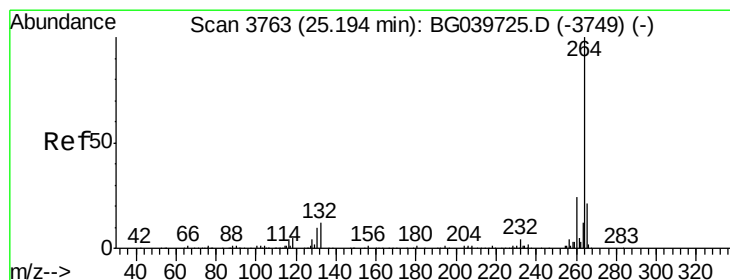
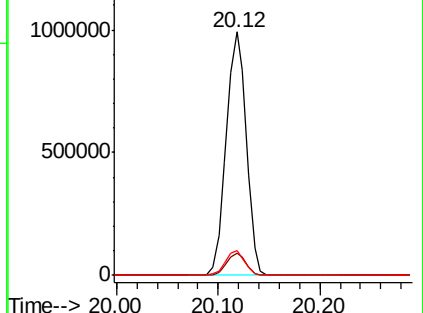
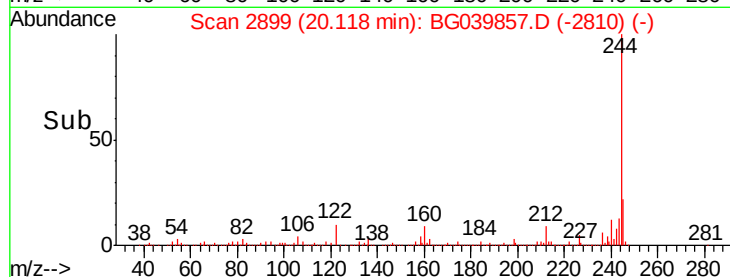
122 10.2 8.4 12.6



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# 3761

Delta R.T. -0.02 min

Lab File: BG039857.D

Acq: 12 Mar 2019 2:22

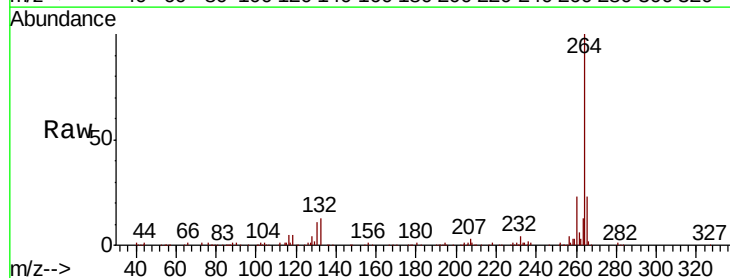
Tgt Ion:264 Resp: 332667

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.4

265 22.7 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

