

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061319\
 Data File : BG041237.D
 Acq On : 14 Jun 2019 1:52
 Operator : HP/JU
 Sample : K3340-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-730(2)

Quant Time: Jun 14 04:56:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jun 09 23:08:34 2019
 Response via : Initial Calibration

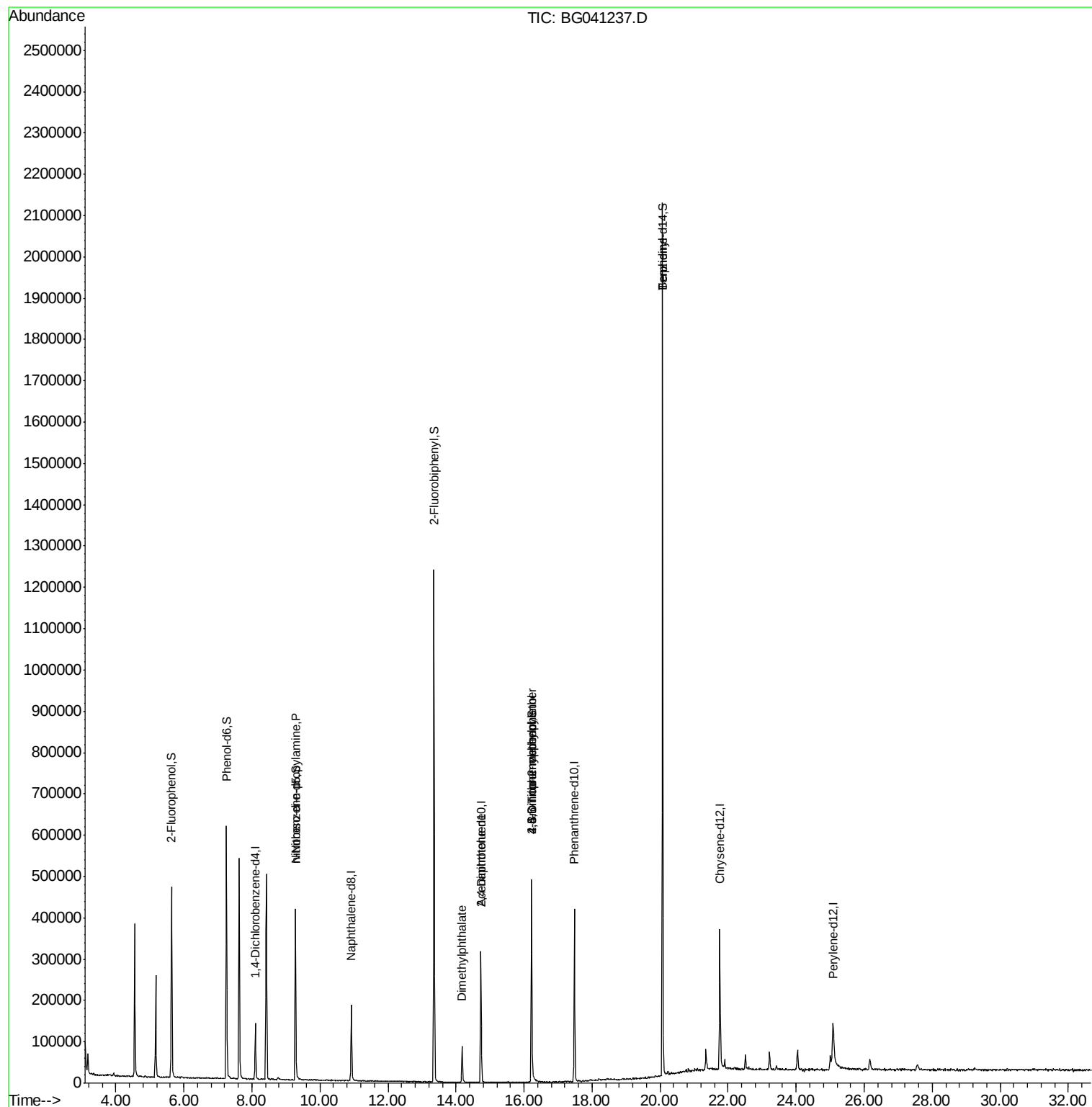
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	38360	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	153547	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	111244	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	273133	20.00	ng	0.00
76) Chrysene-d12	21.76	240	253188	20.00	ng	0.00
87) Perylene-d12	25.09	264	190777	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	183777	86.39	ng	0.00
7) Phenol-d6	7.25	99	326466	99.37	ng	0.00
23) Nitrobenzene-d5	9.28	82	262577	75.92	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	105560	63.92	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	634494	82.14	ng	0.00
79) Terphenyl-d14	20.07	244	1045933	87.68	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	38003	15.031	ng	Qvalue
50) Dimethylphthalate	14.18	163	66018	7.011	ng	# 75
57) 2,4-Dinitrotoluene	14.73	165	15406	5.372	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.22	198	88	8.639	ng	# 30
67) 4-Bromophenyl-phenylether	16.22	248	7625	2.069	ng	# 1
77) Benzidine	20.07	184	17227	2.852	ng	# 89

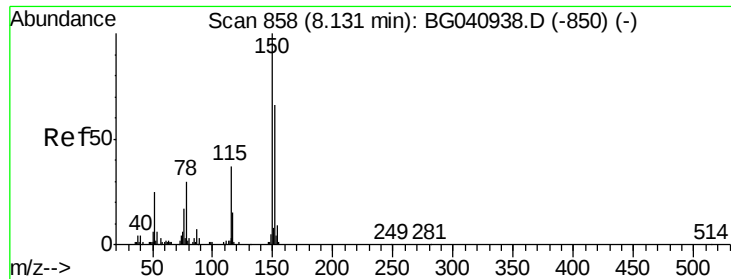
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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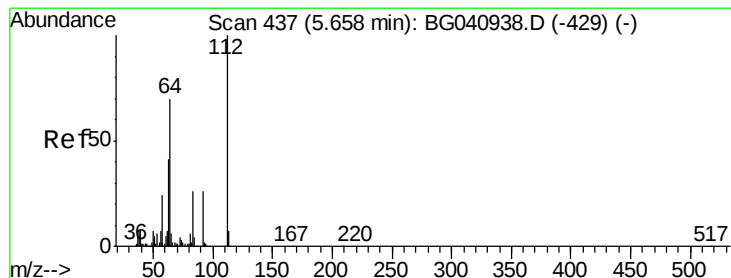
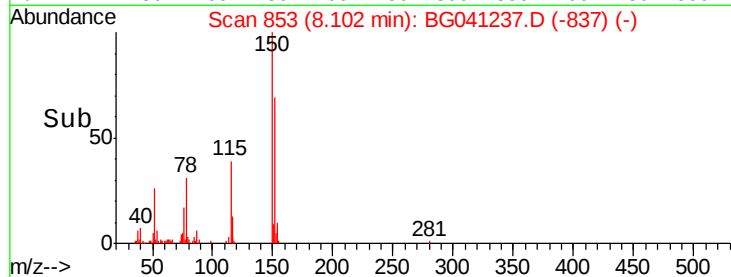
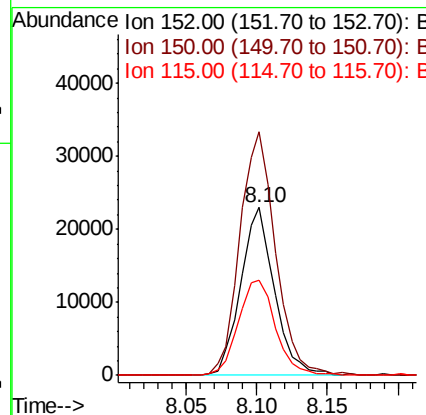
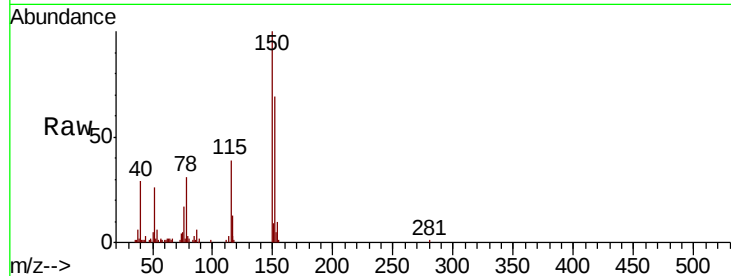


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 853
Delta R.T. -0.00 min
Lab File: BG041237.D
Acq: 14 Jun 2019 1:52

Instrument :
BNA_G
ClientSampleId :
B-730(2)

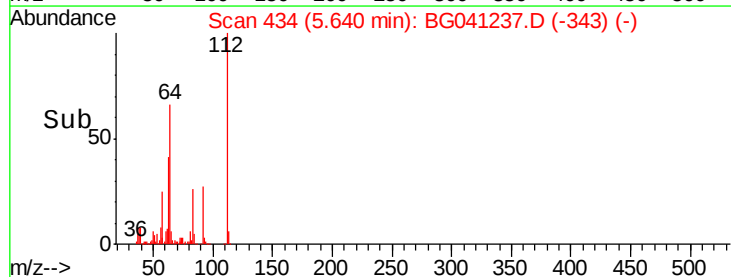
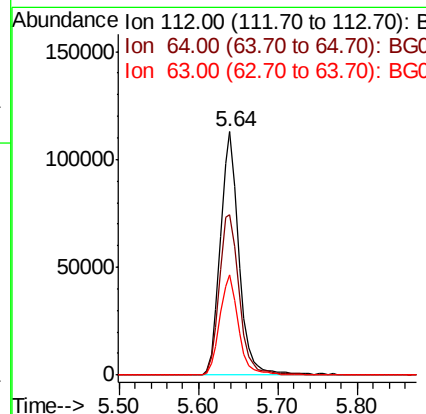
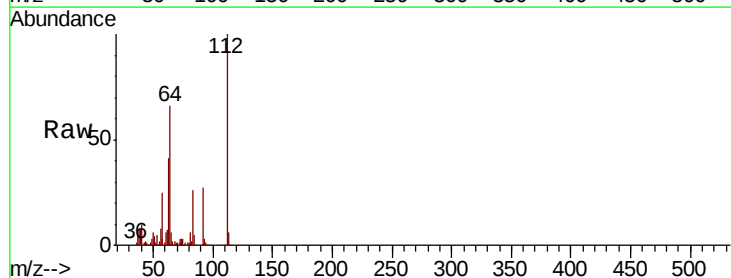
Tgt Ion	Ratio	Lower	Upper
152	100		
150	144.9	120.6	180.8
115	56.9	45.1	67.7

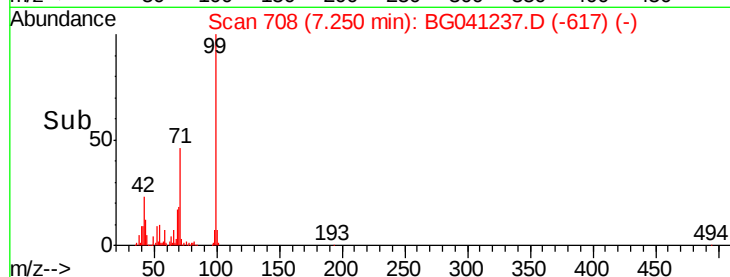
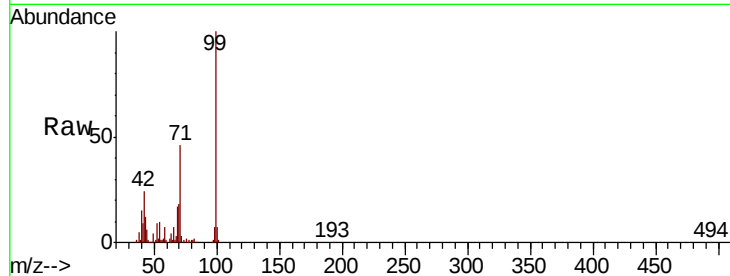
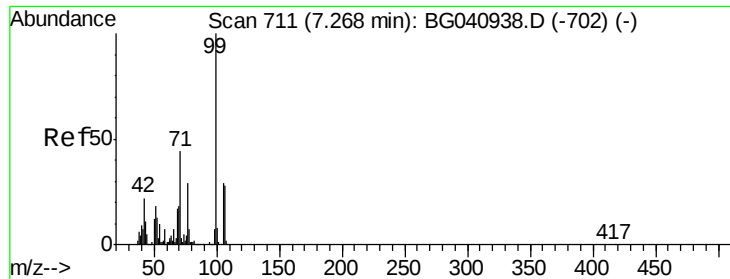


#5

2-Fluorophenol
Concen: 86.389 ng
RT: 5.64 min Scan# 434
Delta R.T. 0.00 min
Lab File: BG041237.D
Acq: 14 Jun 2019 1:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	56.2	84.2
63	41.0	32.8	49.2





#7

Phenol-d6

Concen: 99.368 ng

RT: 7.25 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG041237.D

Acq: 14 Jun 2019 1:52

Instrument :

BNA_G

ClientSampleId :

B-730(2)

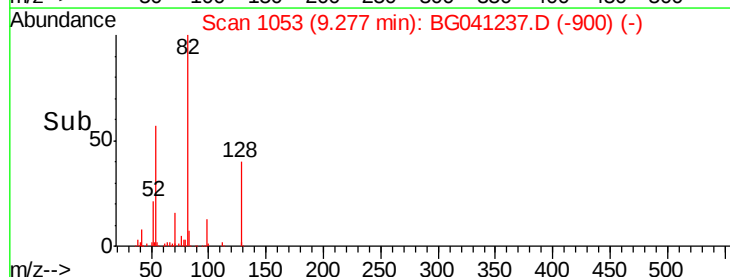
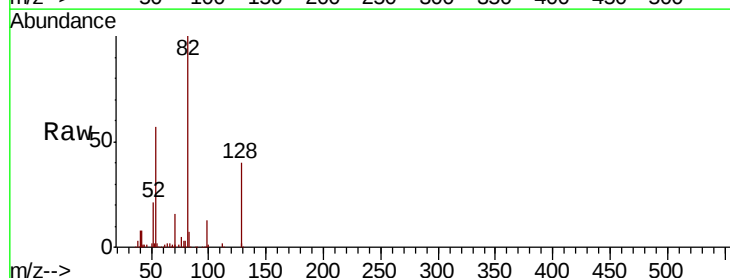
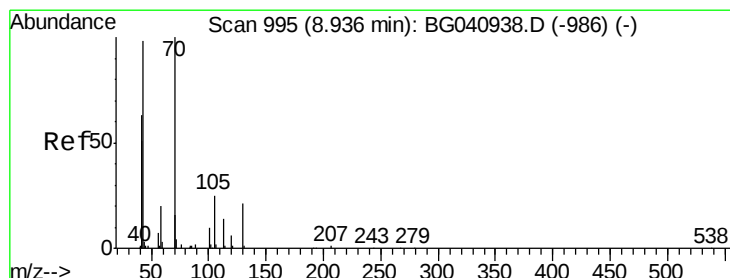
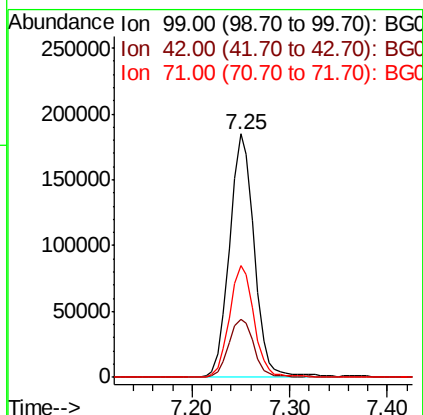
Tgt Ion: 99 Resp: 326466

Ion Ratio Lower Upper

99 100

42 23.6 17.9 26.9

71 46.1 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.031 ng

RT: 9.28 min Scan# 1053

Delta R.T. 0.37 min

Lab File: BG041237.D

Acq: 14 Jun 2019 1:52

Tgt Ion: 70 Resp: 38003

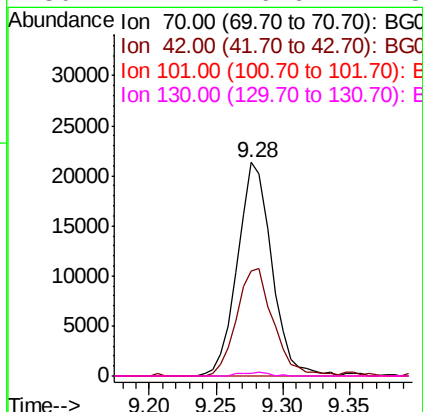
Ion Ratio Lower Upper

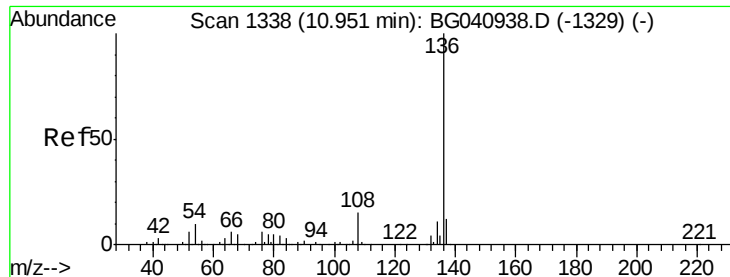
70 100

42 49.0 51.5 77.3#

101 0.0 8.1 12.1#

130 1.1 16.6 24.8#

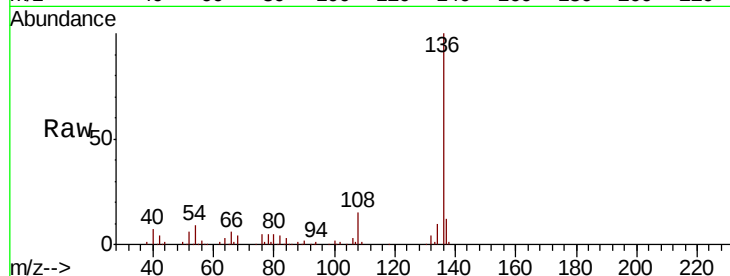




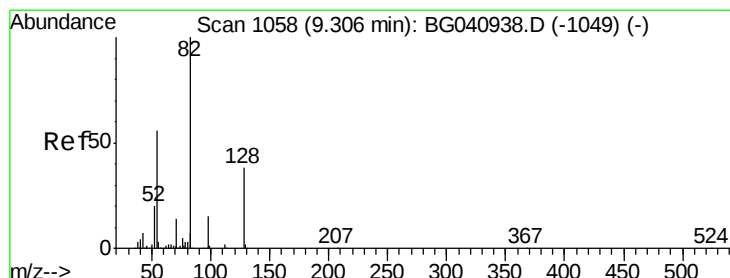
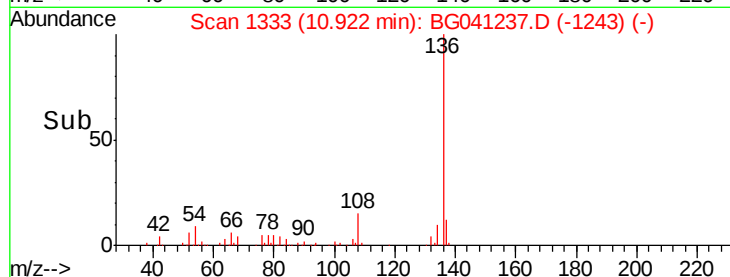
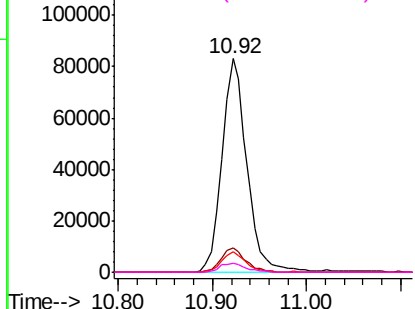
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BG041237.D
Acq: 14 Jun 2019 1:52

Instrument :
BNA_G
ClientSampleId :
B-730(2)

Tgt Ion:	136	Resp:	153547
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.5	14.3
54	9.5	7.6	11.4
68	4.4	3.9	5.9

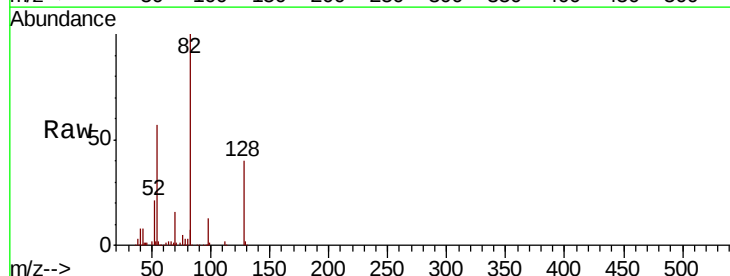


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

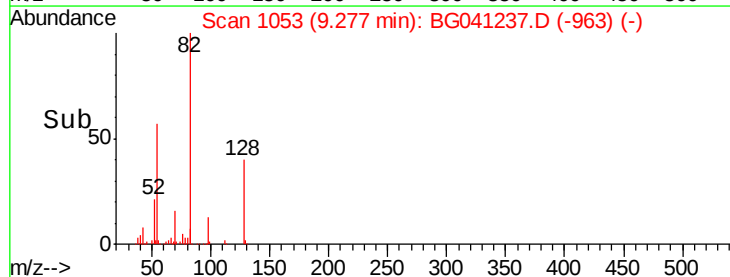
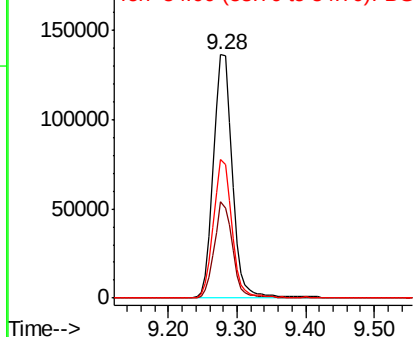


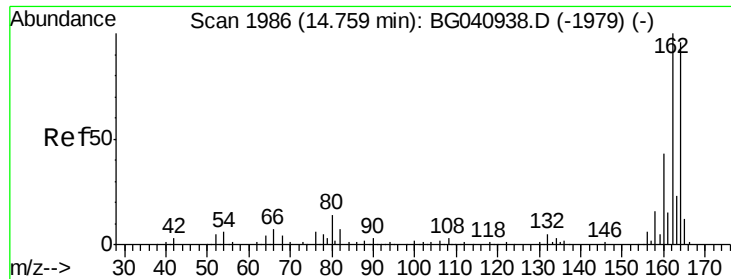
#23
Nitrobenzene-d5
Concen: 75.916 ng
RT: 9.28 min Scan# 1053
Delta R.T. -0.00 min
Lab File: BG041237.D
Acq: 14 Jun 2019 1:52

Tgt Ion:	82	Resp:	262577
Ion	Ratio	Lower	Upper
82	100		
128	39.7	30.5	45.7
54	57.0	44.6	66.8



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: 14.73 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BG041237.D

Acq: 14 Jun 2019 1:52

Instrument :

BNA_G

ClientSampleId :

B-730(2)

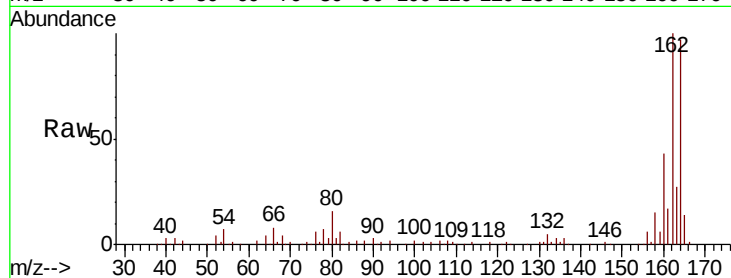
Tgt Ion:164 Resp: 111244

Ion Ratio Lower Upper

164 100

162 103.2 83.0 124.4

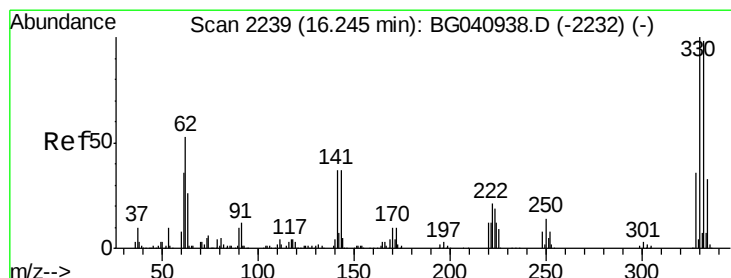
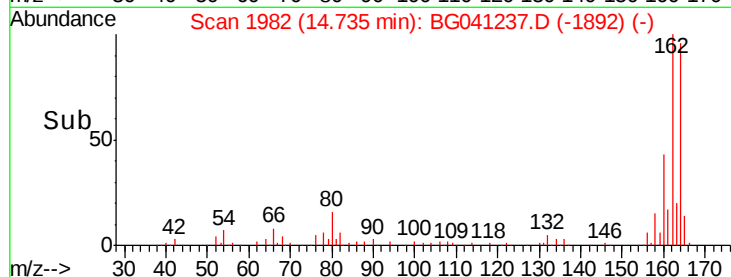
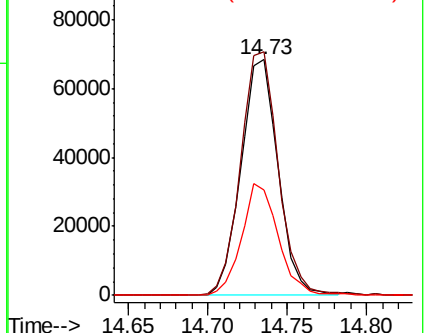
160 44.5 35.6 53.4



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: 63.918 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.00 min

Lab File: BG041237.D

Acq: 14 Jun 2019 1:52

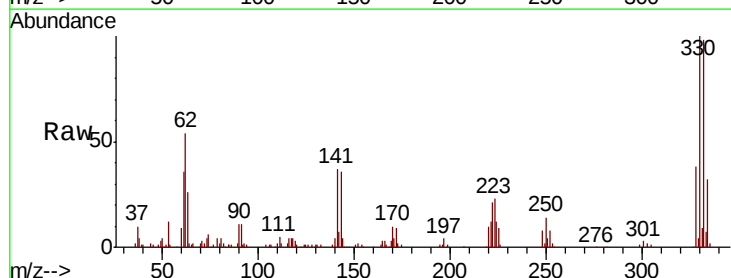
Tgt Ion:330 Resp: 105560

Ion Ratio Lower Upper

330 100

332 100.0 78.5 117.7

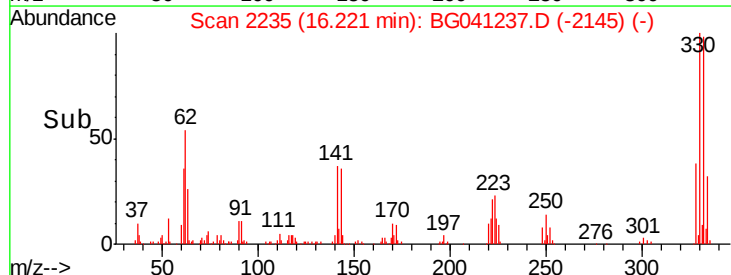
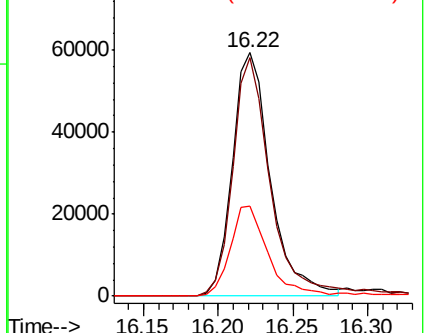
141 37.9 28.7 43.1

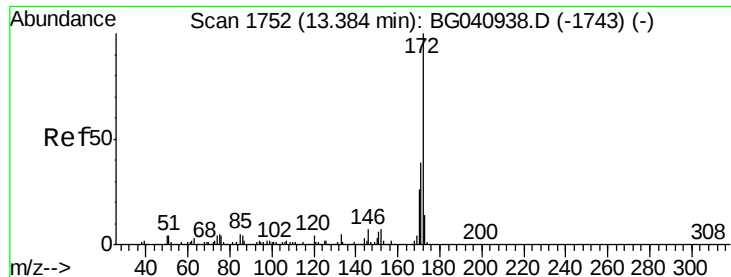


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

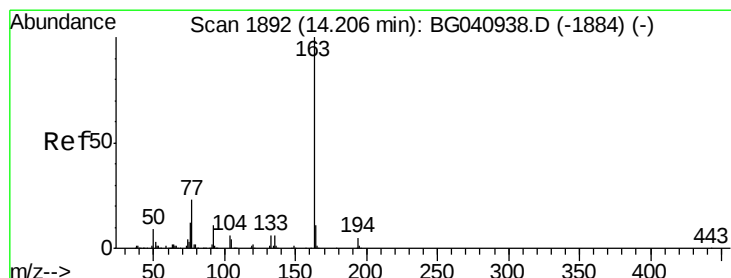
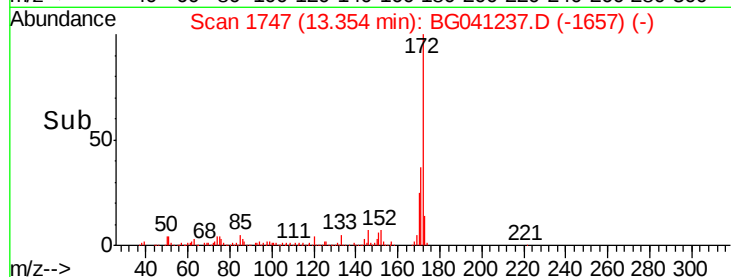
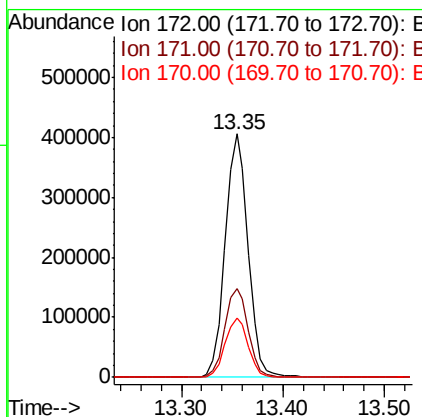
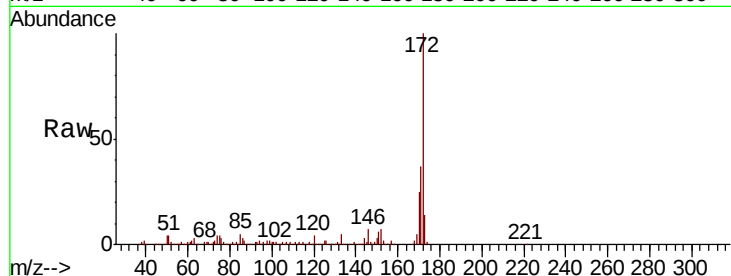




#45
2-Fluorobiphenyl
Concen: 82.138 ng
RT: 13.35 min Scan# 1747
Delta R.T. -0.00 min
Lab File: BG041237.D
Acq: 14 Jun 2019 1:52

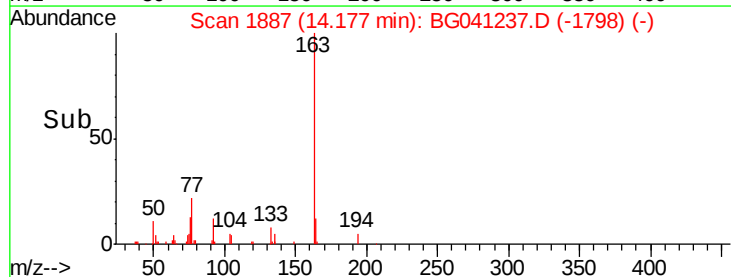
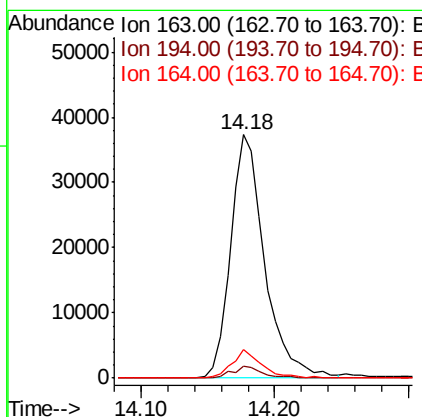
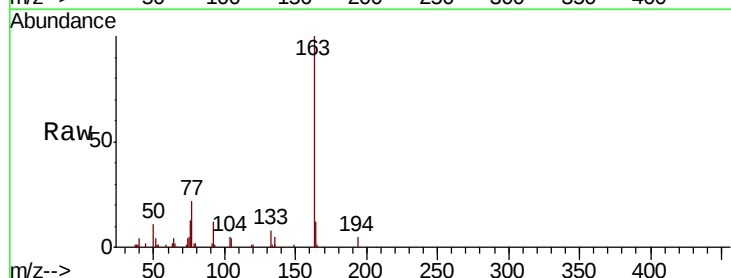
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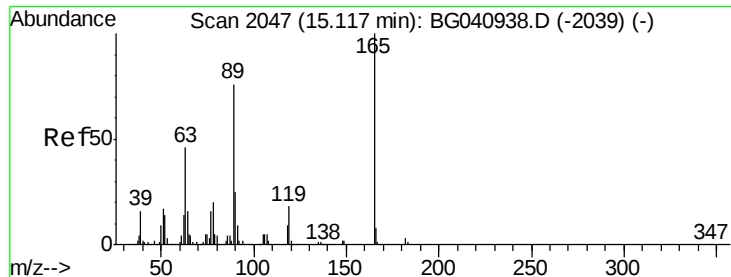
Tgt Ion:172 Resp: 634494
Ion Ratio Lower Upper
172 100
171 36.6 31.1 46.7
170 24.6 20.5 30.7



#50
Dimethylphthalate
Concen: 7.011 ng
RT: 14.18 min Scan# 1887
Delta R.T. -0.01 min
Lab File: BG041237.D
Acq: 14 Jun 2019 1:52

Tgt Ion:163 Resp: 66018
Ion Ratio Lower Upper
163 100
194 4.7 3.8 5.8
164 11.6 8.7 13.1

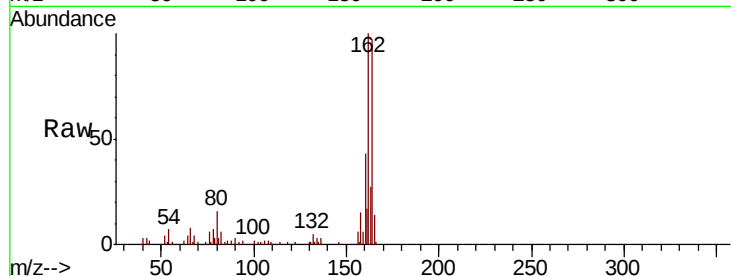




#57
2,4-Dinitrotoluene
Concen: 5.372 ng
RT: 14.73 min Scan# 1982
Delta R.T. -0.36 min
Lab File: BG041237.D
Acq: 14 Jun 2019 1:52

Instrument :
BNA_G
ClientSampleId :
B-730(2)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.3	55.9#
89	0.0	61.0	91.6#
182	0.0	2.2	3.2#

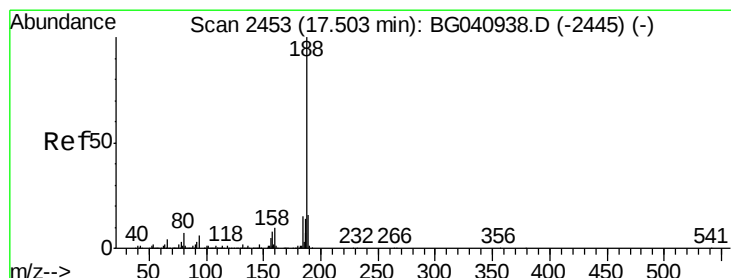
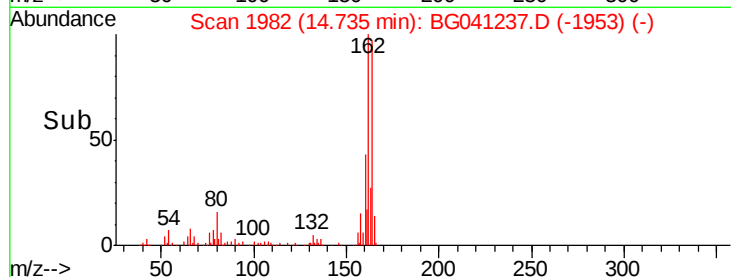
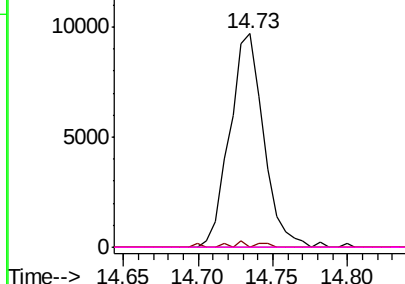


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

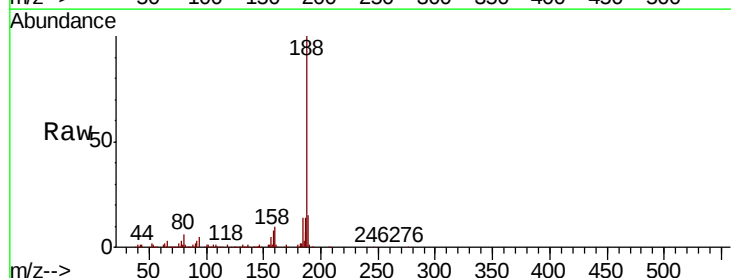
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2449
Delta R.T. -0.00 min
Lab File: BG041237.D
Acq: 14 Jun 2019 1:52

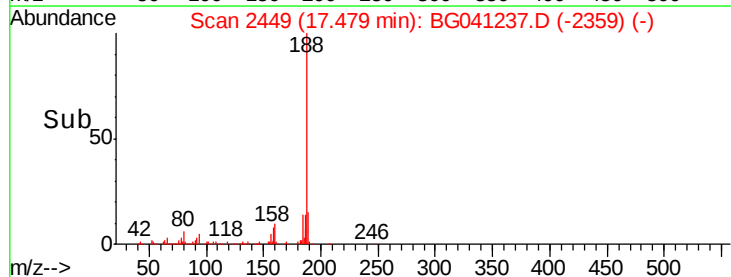
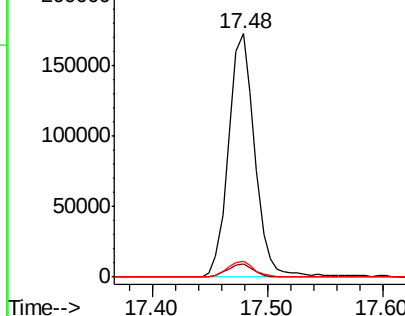
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.4	4.7	7.1
80	6.4	5.8	8.8

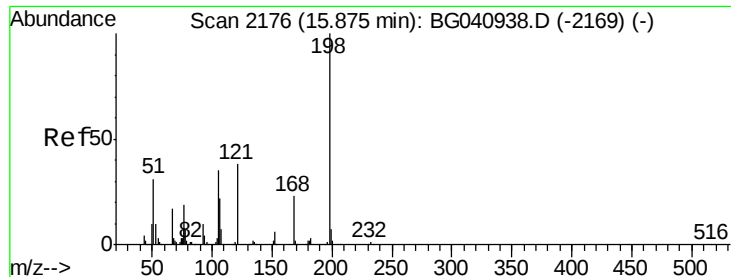


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.639 ng

RT: 16.22 min Scan# 2235

Delta R.T. 0.36 min

Lab File: BG041237.D

Acq: 14 Jun 2019 1:52

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ClientSampleId :

B-730(2)

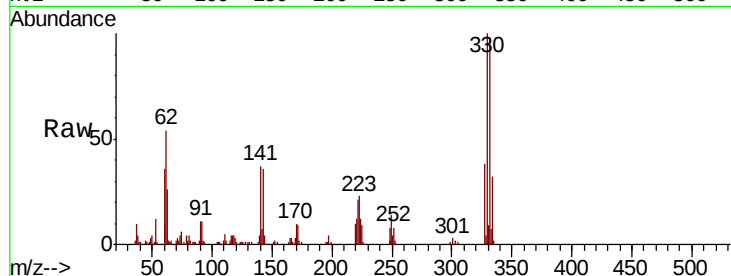
Tgt Ion:198 Resp: 88

Ion Ratio Lower Upper

198 100

51 89.2 21.6 61.6#

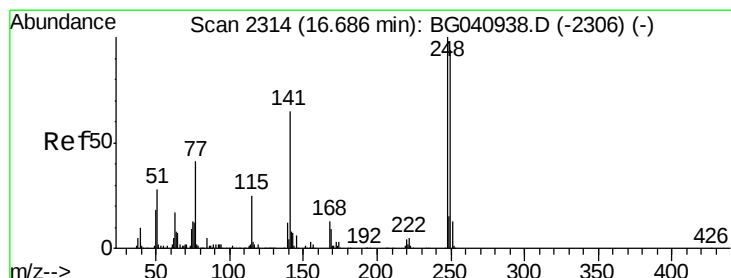
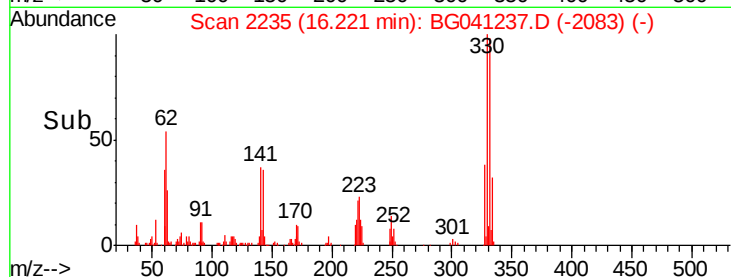
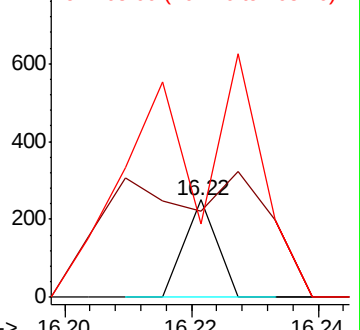
105 75.9 17.5 57.5#



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: 2.069 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.44 min

Lab File: BG041237.D

Acq: 14 Jun 2019 1:52

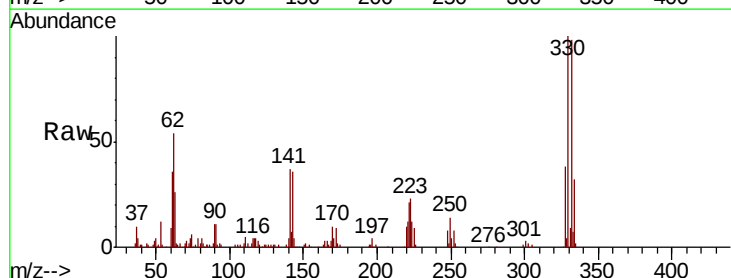
Tgt Ion:248 Resp: 7625

Ion Ratio Lower Upper

248 100

250 241.7 75.0 112.4#

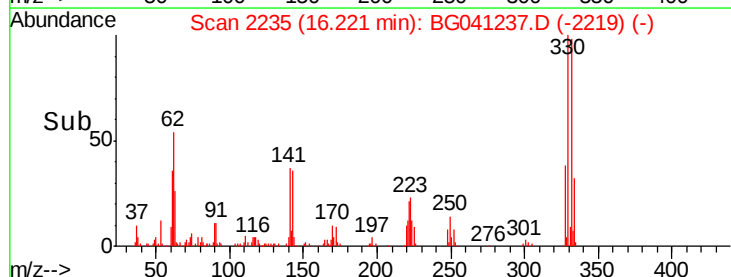
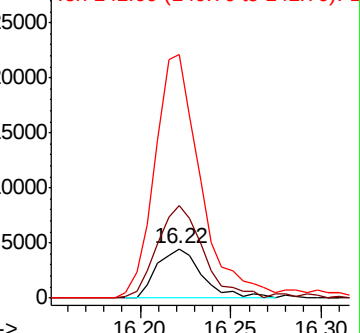
141 493.1 52.4 78.6#

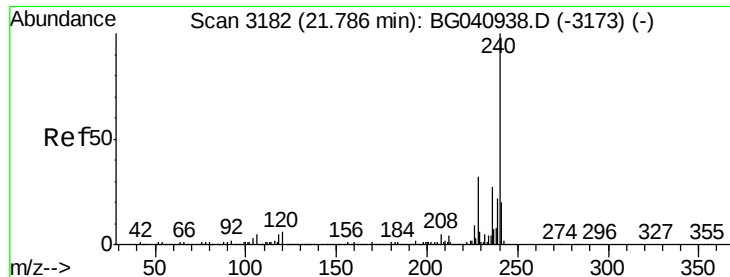


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

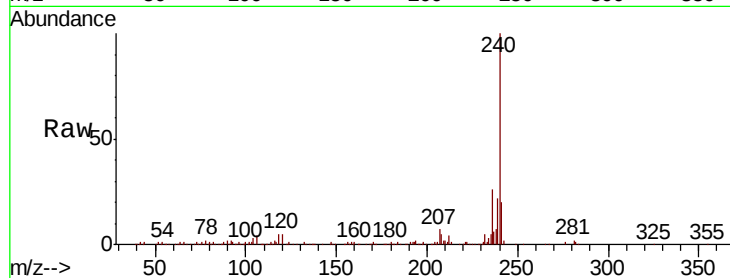




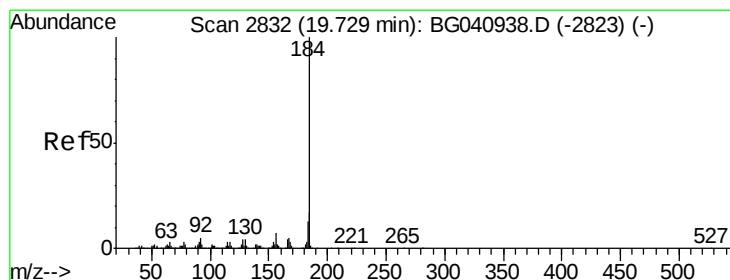
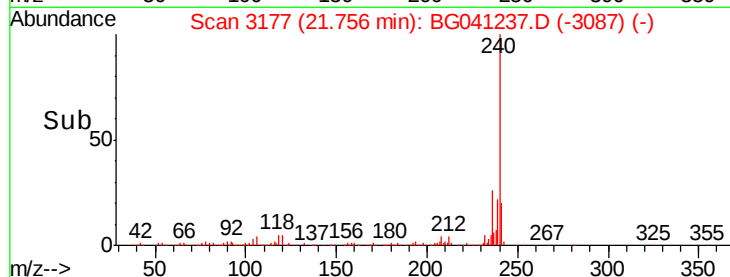
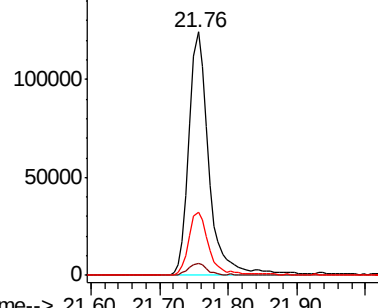
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3177
Delta R.T. -0.00 min
Lab File: BG041237.D
Acq: 14 Jun 2019 1:52

Instrument :
BNA_G
ClientSampleId :
B-730(2)

Tgt Ion:240 Resp: 253188
Ion Ratio Lower Upper
240 100
120 5.0 4.5 6.7
236 26.1 21.3 31.9

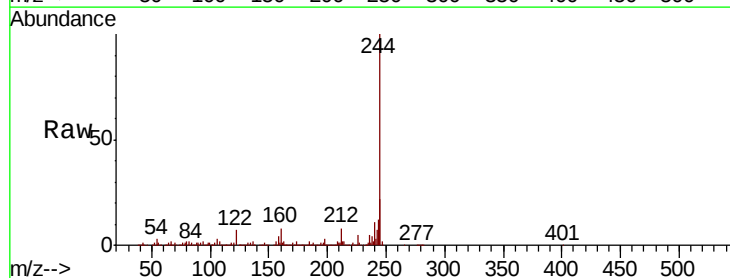


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

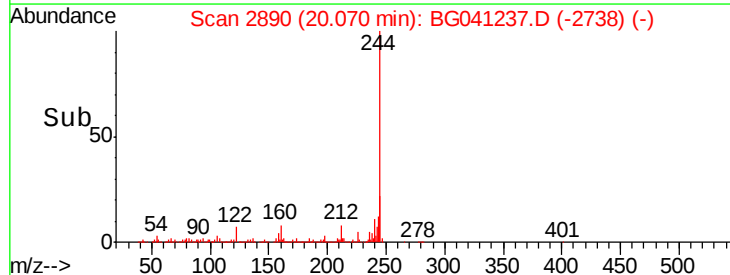
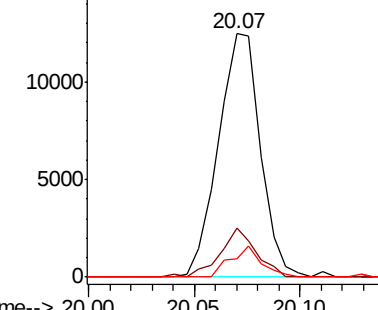


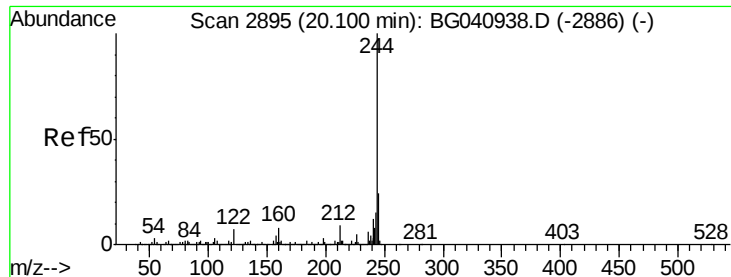
#77
Benzidine
Concen: 2.852 ng
RT: 20.07 min Scan# 2890
Delta R.T. 0.36 min
Lab File: BG041237.D
Acq: 14 Jun 2019 1:52

Tgt Ion:184 Resp: 17227
Ion Ratio Lower Upper
184 100
185 20.1 13.3 19.9#
183 7.8 10.7 16.1#



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: 87.675 ng

RT: 20.07 min Scan# 2890

Delta R.T. -0.00 min

Lab File: BG041237.D

Acq: 14 Jun 2019 1:52

Instrument :

BNA_G

ClientSampleId :

B-730(2)

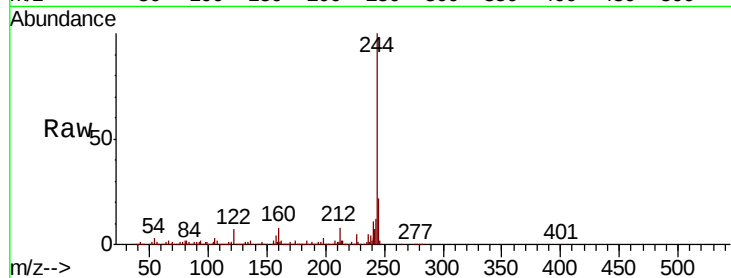
Tgt Ion:244 Resp: 1045933

Ion Ratio Lower Upper

244 100

212 8.1 7.0 10.4

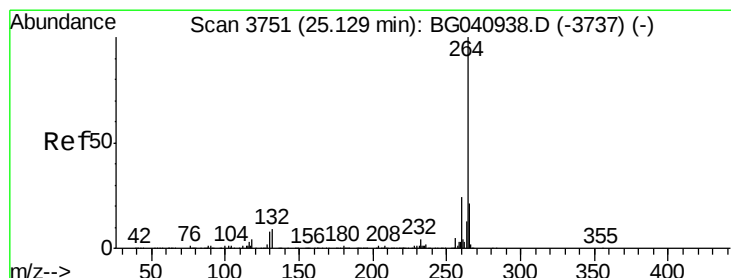
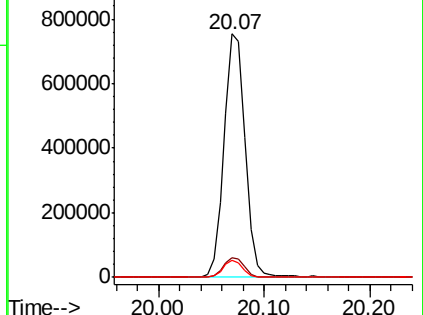
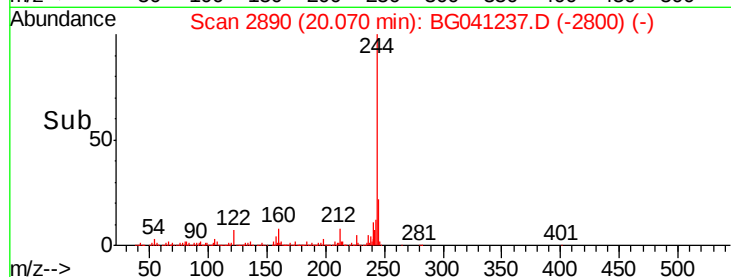
122 6.9 5.4 8.0



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: 25.09 min Scan# 3744

Delta R.T. 0.00 min

Lab File: BG041237.D

Acq: 14 Jun 2019 1:52

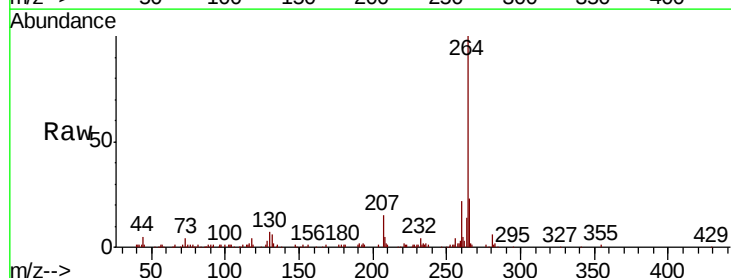
Tgt Ion:264 Resp: 190777

Ion Ratio Lower Upper

264 100

260 22.0 19.0 28.4

265 22.7 17.0 25.4



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

