

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050319\
 Data File : BG040742.D
 Acq On : 4 May 2019 2:04
 Operator : JU/SJ
 Sample : K2674-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FILTERBAG-RO

Quant Time: May 05 23:11:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

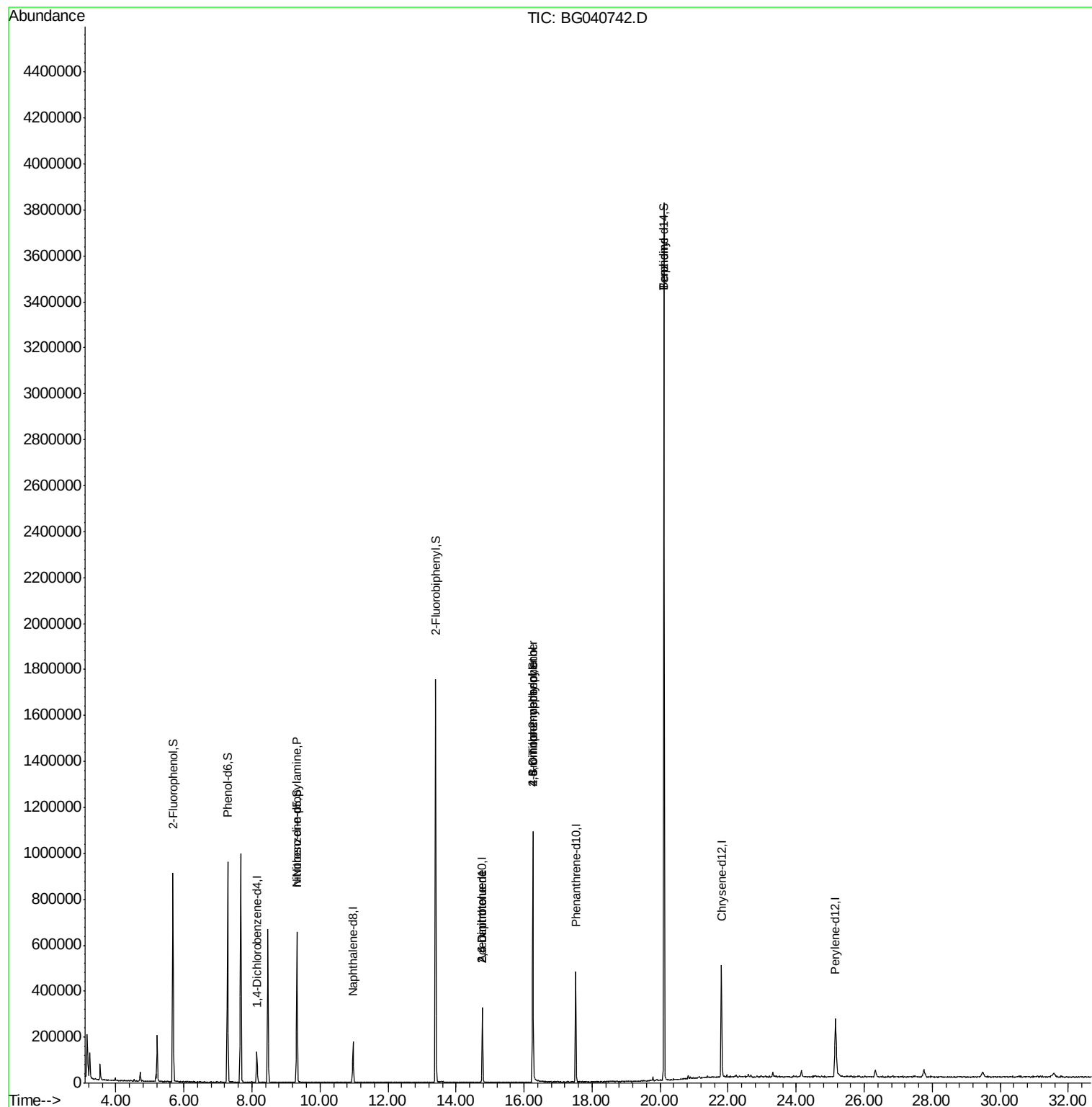
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	33216	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	138815	20.00	ng	-0.01
39) Acenaphthene-d10	14.78	164	103736	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	296956	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	298646	20.00	ng	-0.02
87) Perylene-d12	25.15	264	297866	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	339649	180.25	ng	-0.01
7) Phenol-d6	7.28	99	473808	163.31	ng	-0.01
23) Nitrobenzene-d5	9.32	82	384767	128.07	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	198645	139.31	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	850266	118.37	ng	-0.02
79) Terphenyl-d14	20.12	244	1780711	132.10	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.29	77	1317	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.32	70	57757	22.115 ng	#	76
51) 2,6-Dinitrotoluene	14.78	165	13030	7.692 ng	#	16
57) 2,4-Dinitrotoluene	14.78	165	13030	5.661 ng	#	18
65) 4,6-Dinitro-2-methylphenol	16.26	198	737	7.530 ng	#	4
67) 4-Bromophenyl-phenylether	16.26	248	16196	4.378 ng	#	1
77) Benizidine	20.11	184	32039	3.918 ng	#	94

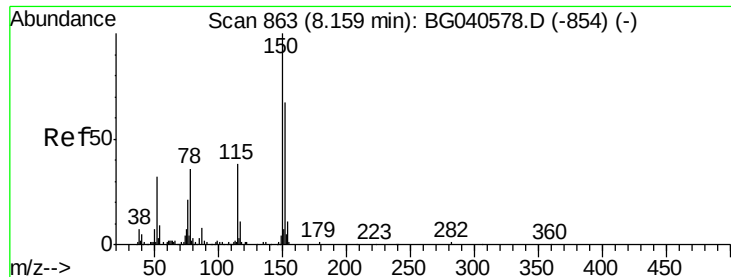
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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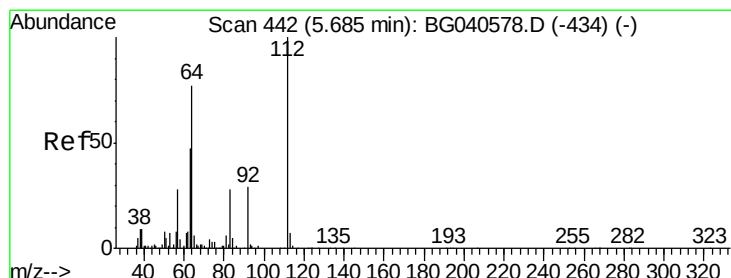
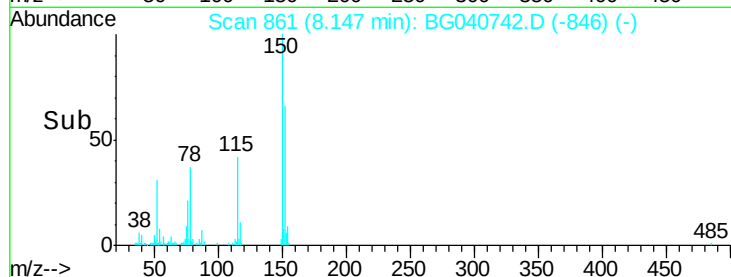
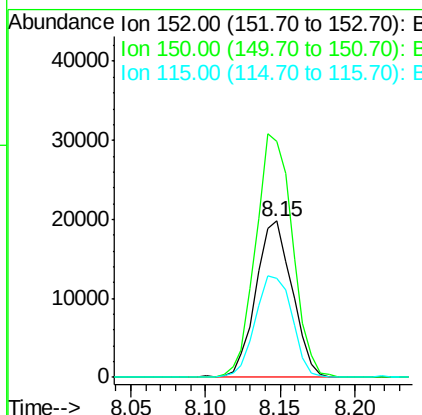
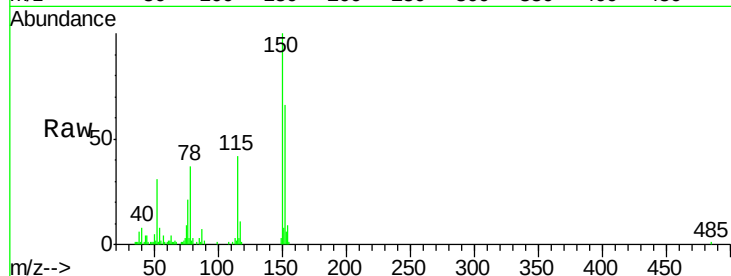


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040742.D
Acq: 4 May 2019 2:04

Instrument :
BNA_G
ClientSampleId :
FILTERBAG-RO

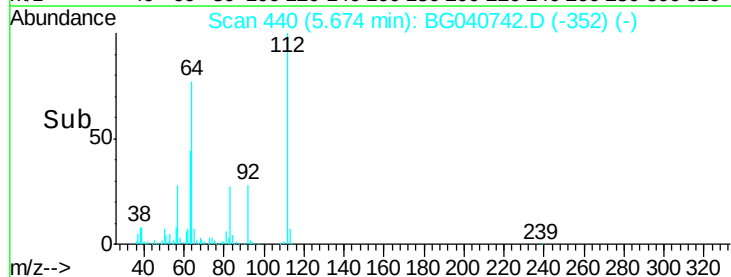
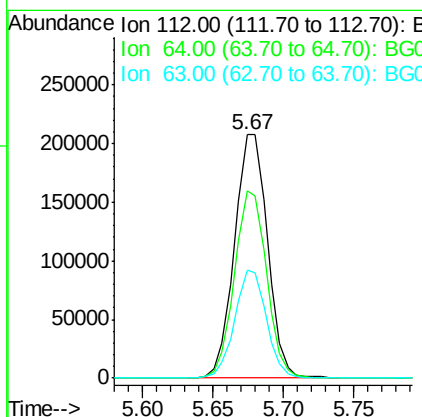
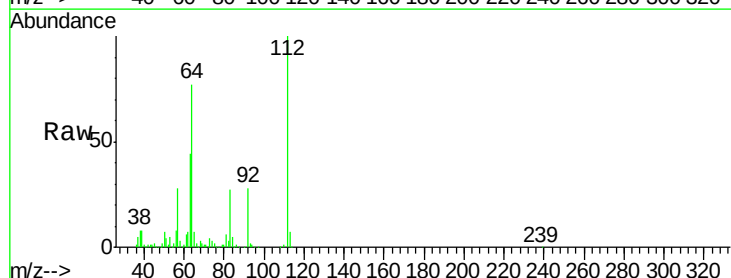
Tot Ion:152 Resp: 33216
Ion Ratio Lower Upper
152 100
150 150.5 120.2 180.2
115 62.9 46.2 69.2

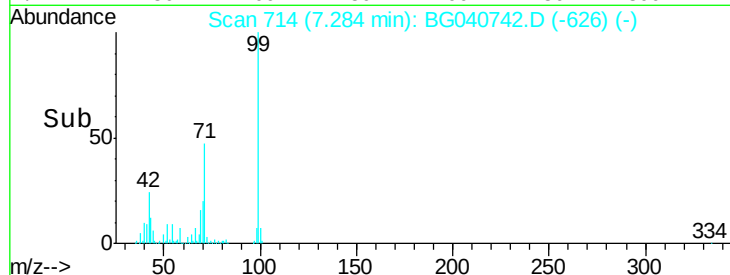
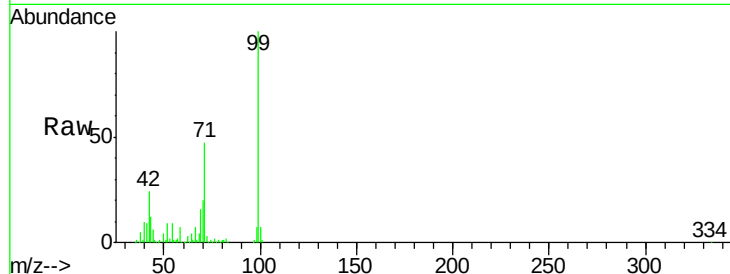
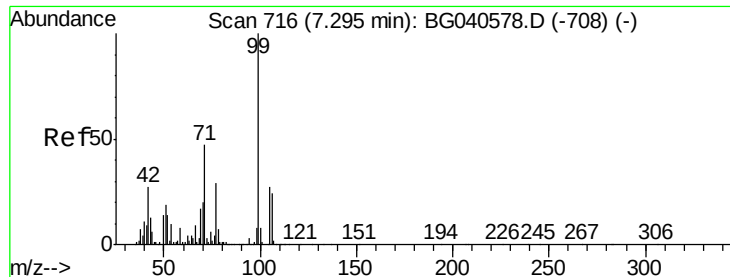


#5

2-Fluorophenol
Concen: 180.251 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040742.D
Acq: 4 May 2019 2:04

Tgt Ion:112 Resp: 339649
Ion Ratio Lower Upper
112 100
64 77.2 61.4 92.0
63 44.3 37.8 56.6





#7

Phenol-d6

Concen: 163.308 ng

RT: 7.28 min Scan# 714

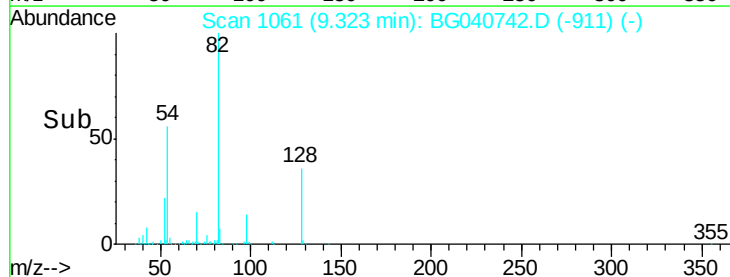
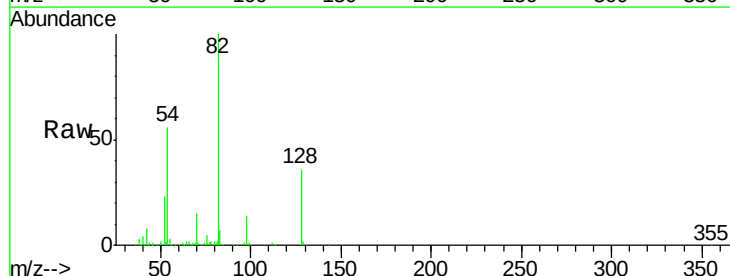
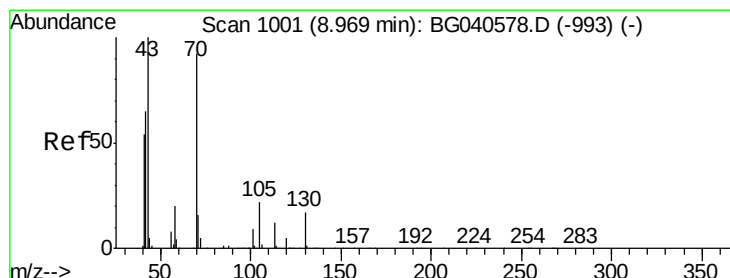
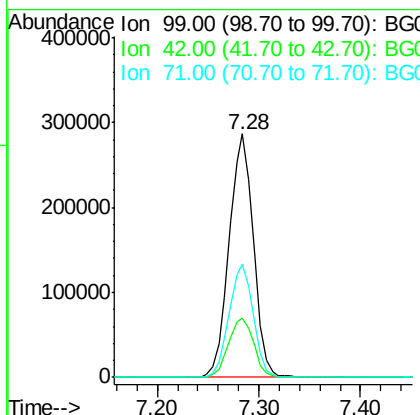
Delta R.T. -0.01 min

Lab File: BG040742.D

Acq: 4 May 2019 2:04

Instrument :
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Tot Ion:	99	Resp:	473808
Ion	Ratio	Lower	Upper
99	100		
42	24.3	21.8	32.8
71	46.5	38.6	57.8



#19

n-Nitroso-di-n-propylamine

Concen: 22.115 ng

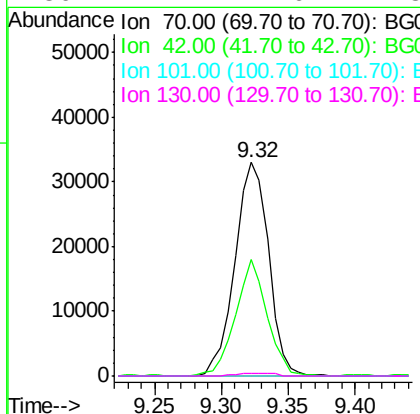
RT: 9.32 min Scan# 1061

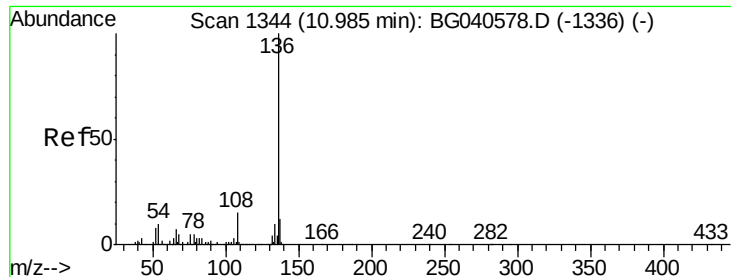
Delta R.T. 0.35 min

Lab File: BG040742.D

Acq: 4 May 2019 2:04

Tgt Ion:	70	Resp:	57757
Ion	Ratio	Lower	Upper
70	100		
42	54.7	57.1	85.7#
101	0.0	7.8	11.8#
130	1.2	14.6	21.8#

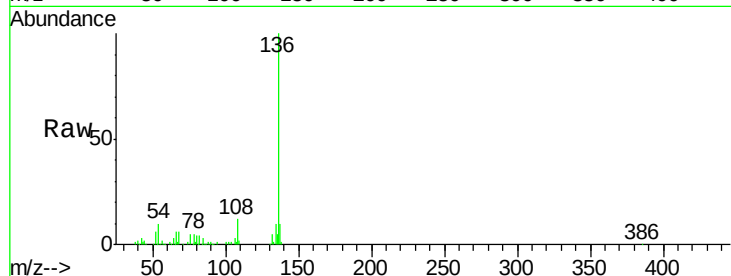




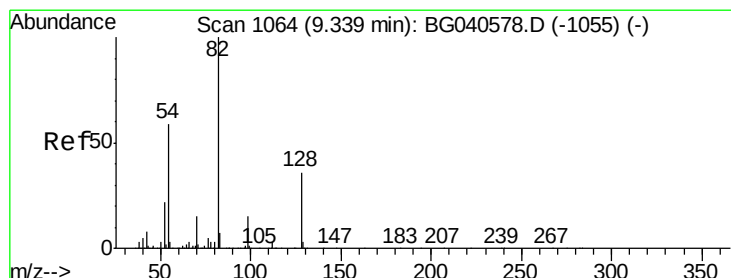
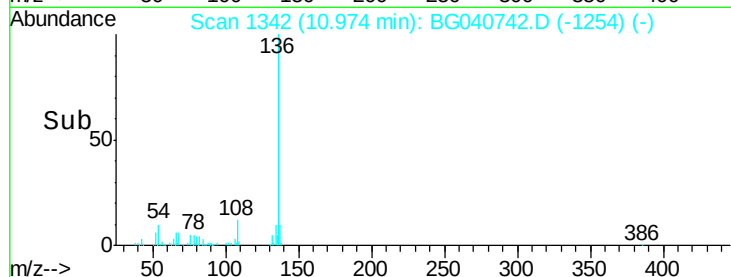
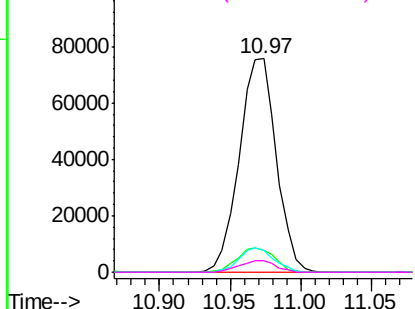
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BG040742.D
Acq: 4 May 2019 2:04

Instrument :
BNA_G
ClientSampleId :
FILTERBAG-RO

Tot Ion:136	Resp:	138815
Ion Ratio	Lower	Upper
136	100	
137	10.4	9.7 14.5
54	10.8	8.6 12.8
68	5.6	4.8 7.2

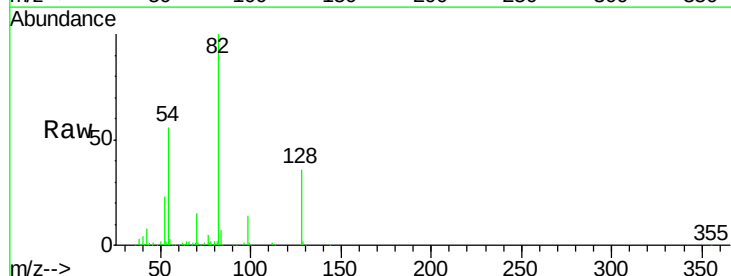


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

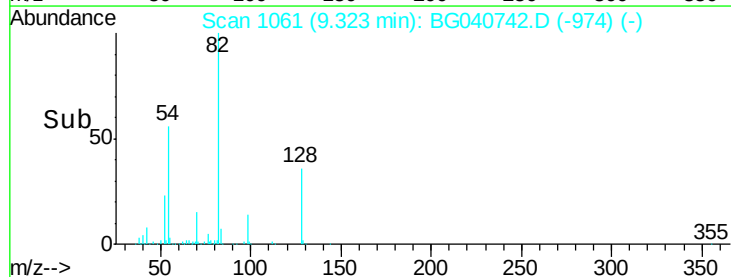
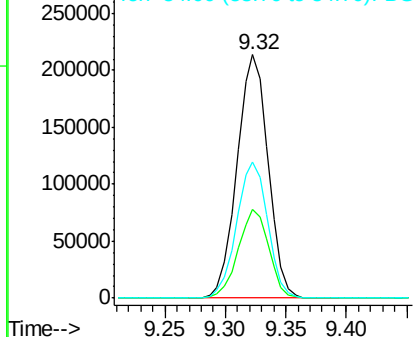


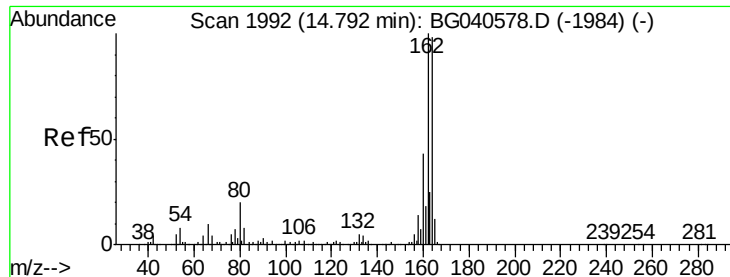
#23
Nitrobenzene-d5
Concen: 128.074 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040742.D
Acq: 4 May 2019 2:04

Tgt Ion: 82	Resp:	384767
Ion Ratio	Lower	Upper
82	100	
128	36.3	28.9 43.3
54	56.0	47.2 70.8



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: 14.78 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG040742.D

Acq: 4 May 2019 2:04

Instrument :

BNA_G

ClientSampleId :

FILTERBAG-RO

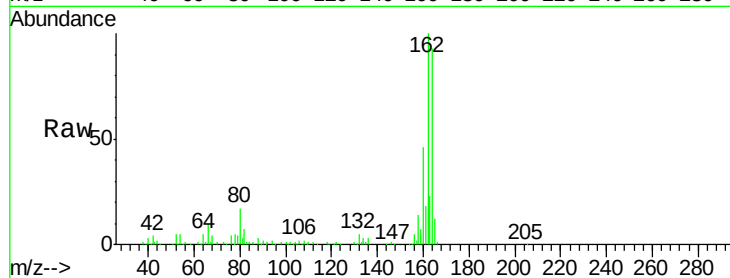
Tot Ion:164 Resp: 103736

Ion Ratio Lower Upper

164 100

162 108.1 81.9 122.9

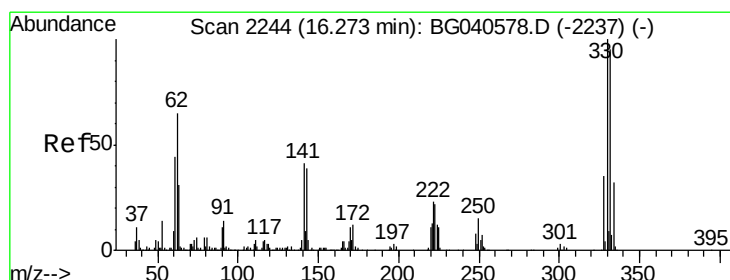
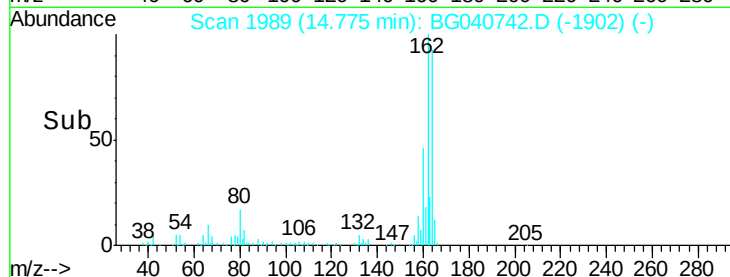
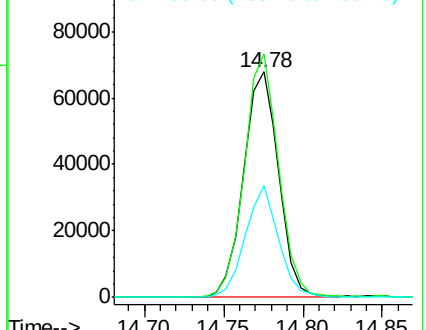
160 49.5 35.4 53.2



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: 139.314 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040742.D

Acq: 4 May 2019 2:04

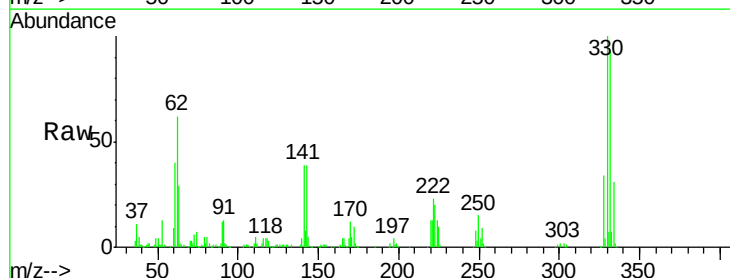
Tgt Ion:330 Resp: 198645

Ion Ratio Lower Upper

330 100

332 94.0 75.9 113.9

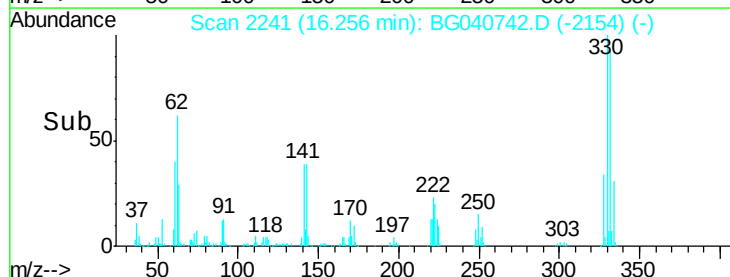
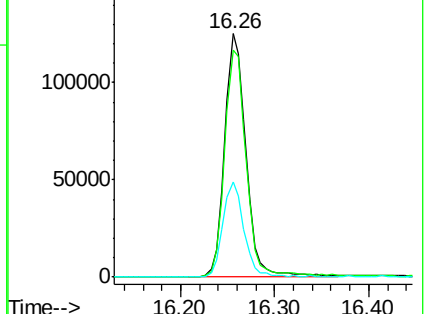
141 38.6 32.4 48.6

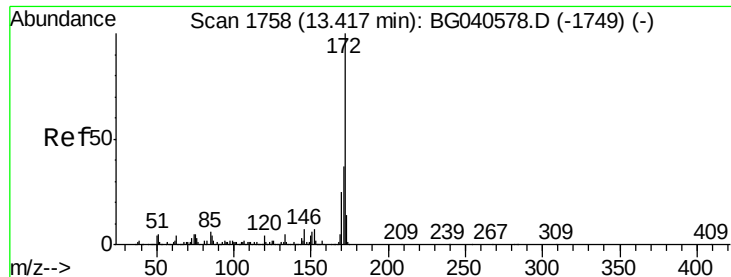


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 118.373 ng

RT: 13.40 min Scan# 1755

Delta R.T. -0.02 min

Lab File: BG040742.D

Acq: 4 May 2019 2:04

Instrument :

BNA_G

ClientSampleId :

FILTERBAG-RO

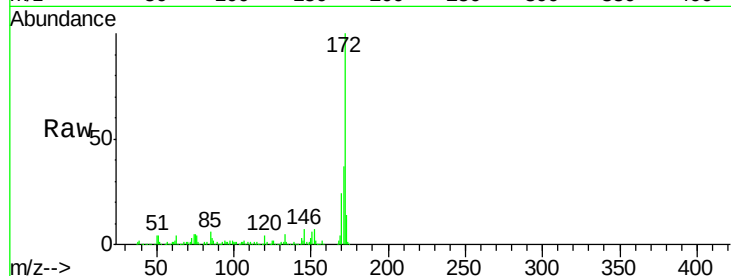
Tot Ion:172 Resp: 850266

Ion Ratio Lower Upper

172 100

171 37.4 29.4 44.2

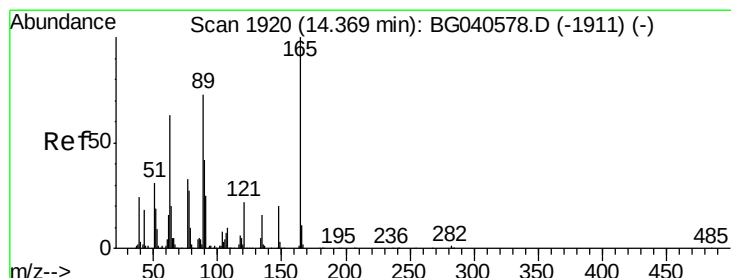
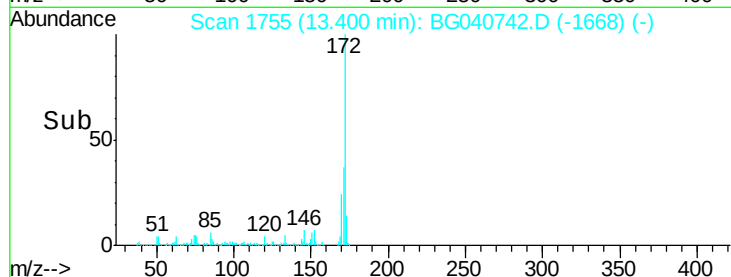
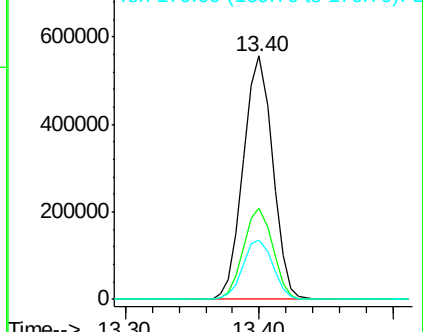
170 24.4 19.9 29.9



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: 7.692 ng

RT: 14.78 min Scan# 1989

Delta R.T. 0.41 min

Lab File: BG040742.D

Acq: 4 May 2019 2:04

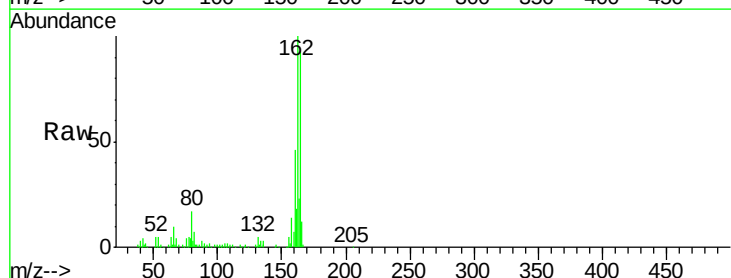
Tgt Ion:165 Resp: 13030

Ion Ratio Lower Upper

165 100

63 2.0 61.0 91.4#

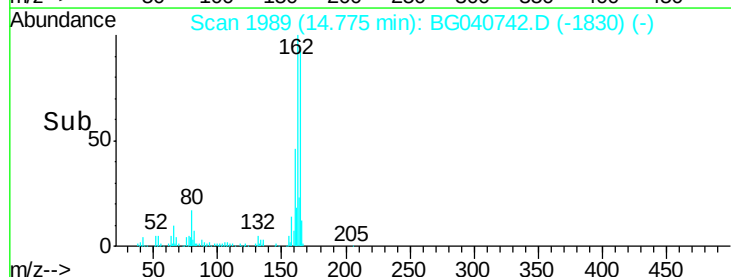
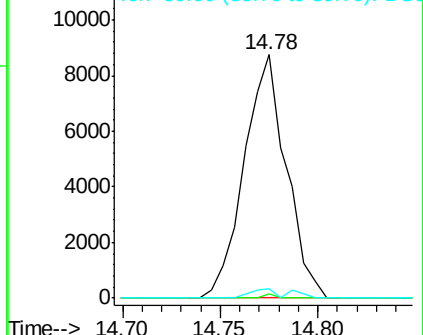
89 3.9 58.6 87.8#

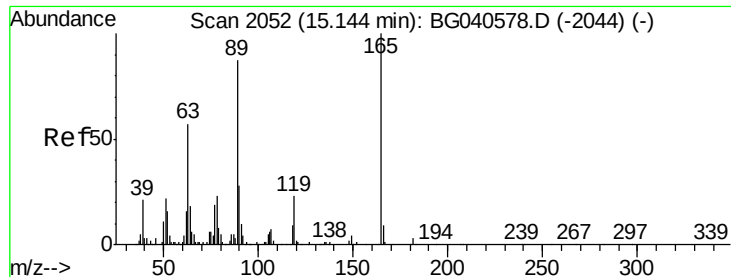


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#57

2,4-Dinitrotoluene

Concen: 5.661 ng

RT: 14.78 min Scan# 1989

Delta R.T. -0.37 min

Lab File: BG040742.D

Acq: 4 May 2019 2:04

Instrument :

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ClientSampleId :

FILTERBAG-RO

Tot Ion:165 Resp: 13030

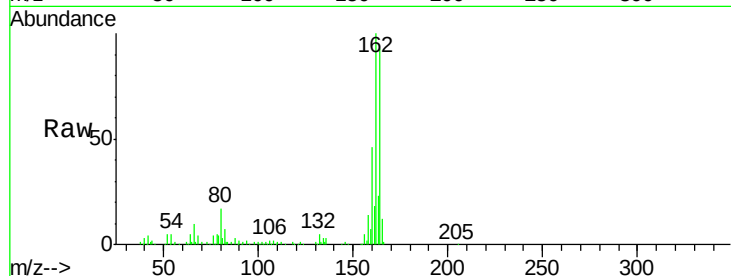
Ion Ratio Lower Upper

165 100

63 2.0 45.8 68.8#

89 3.9 69.4 104.2#

182 0.0 2.2 3.4#

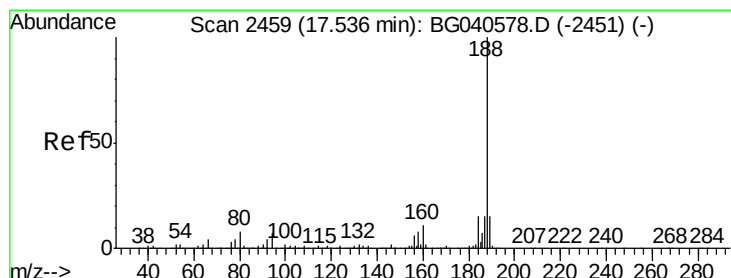
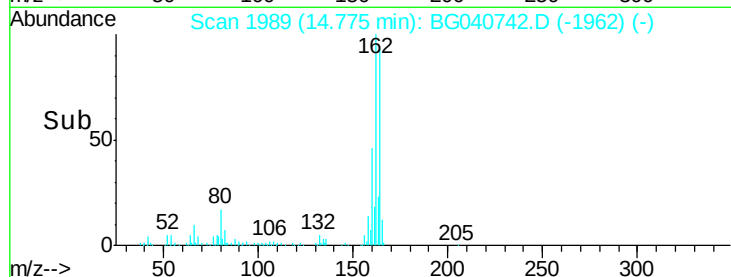
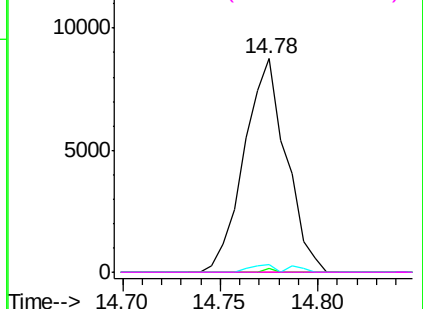


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2456

Delta R.T. -0.02 min

Lab File: BG040742.D

Acq: 4 May 2019 2:04

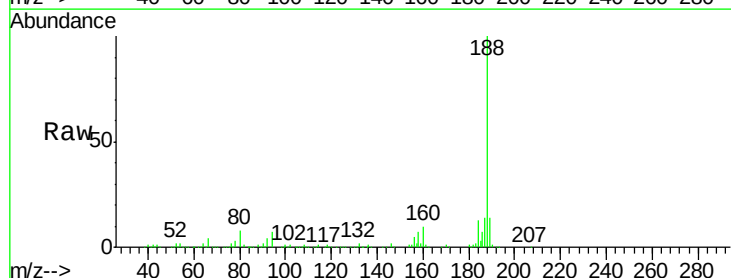
Tgt Ion:188 Resp: 296956

Ion Ratio Lower Upper

188 100

94 6.5 5.6 8.4

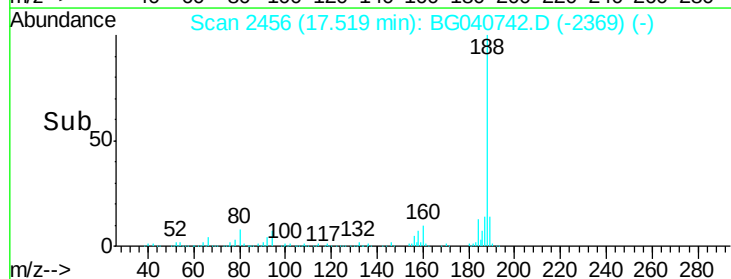
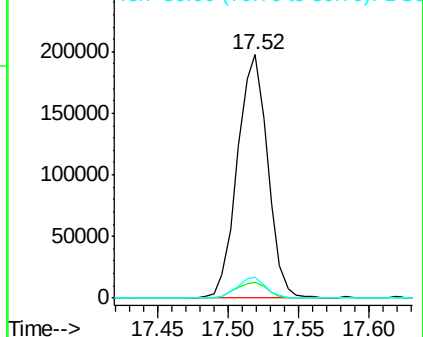
80 8.5 6.4 9.6

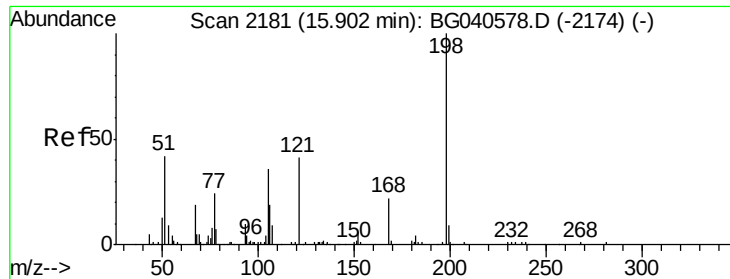


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.530 ng

RT: 16.26 min Scan# 2241

Delta R.T. 0.35 min

Lab File: BG040742.D

Acq: 4 May 2019 2:04

Instrument :

BNA_G

ClientSampleId :

FILTERBAG-RO

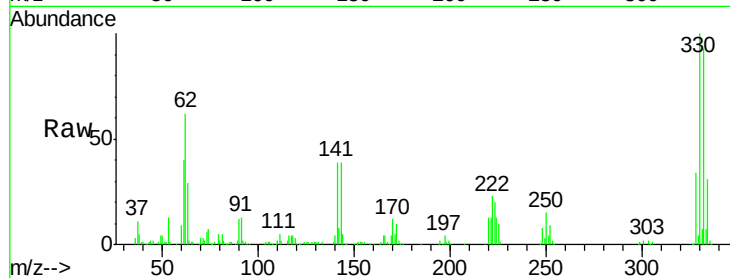
Tot Ion:198 Resp: 737

Ion Ratio Lower Upper

198 100

51 123.7 35.9 75.9#

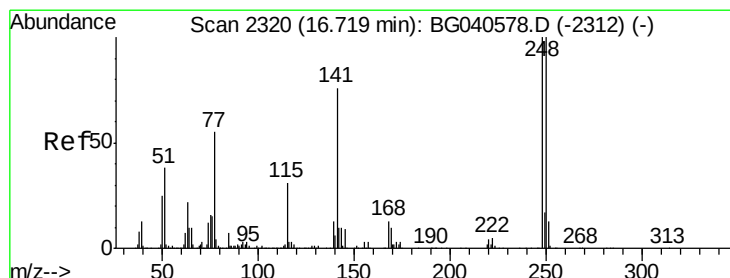
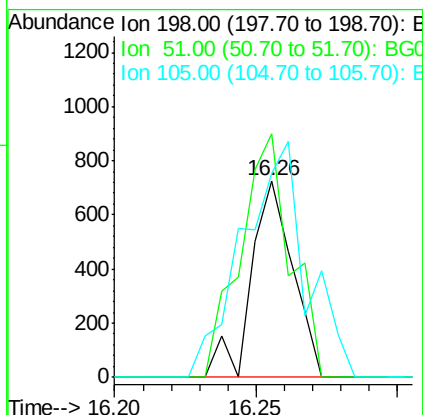
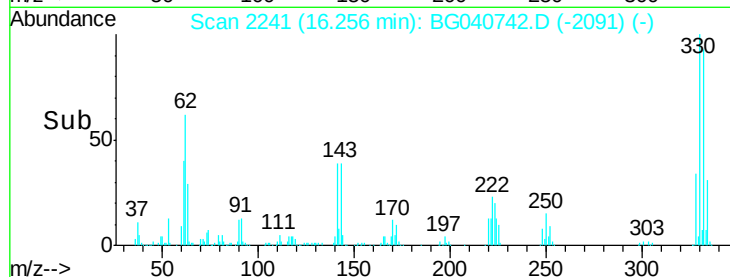
105 103.6 21.2 61.2#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.378 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.46 min

Lab File: BG040742.D

Acq: 4 May 2019 2:04

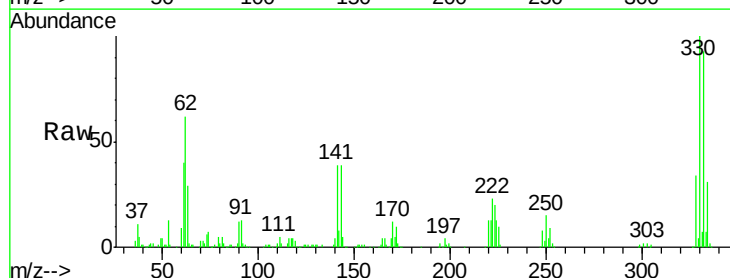
Tgt Ion:248 Resp: 16196

Ion Ratio Lower Upper

248 100

250 181.8 79.8 119.6#

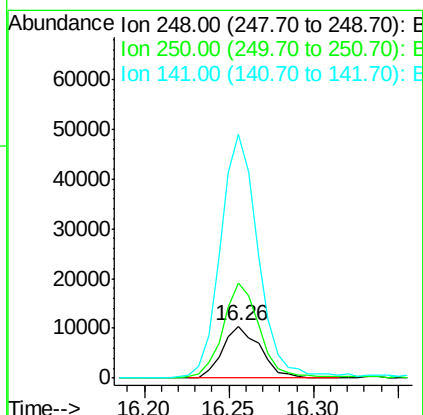
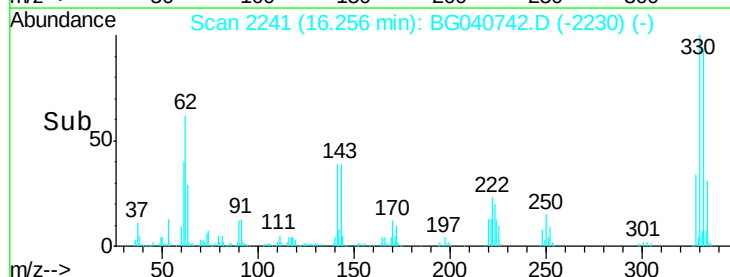
141 467.0 60.8 91.2#

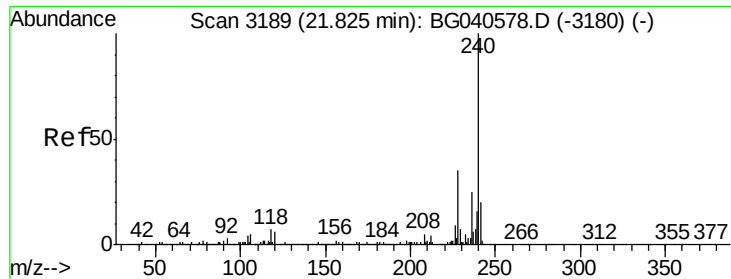


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

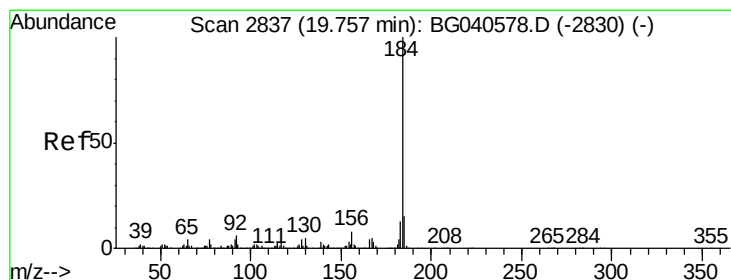
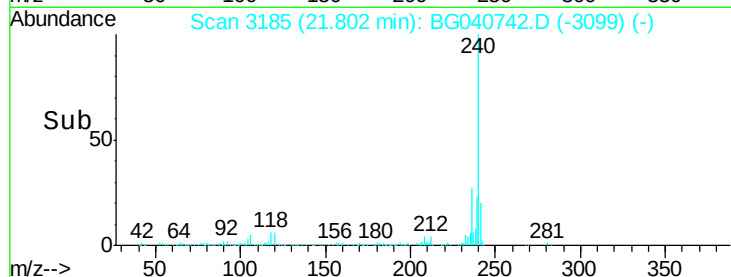
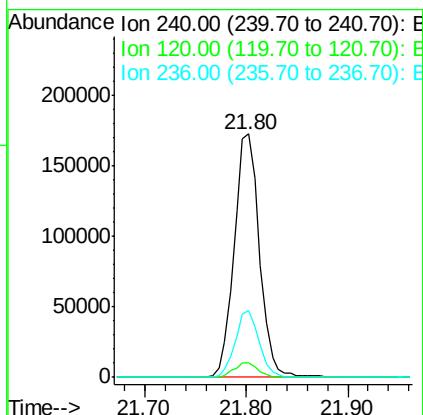
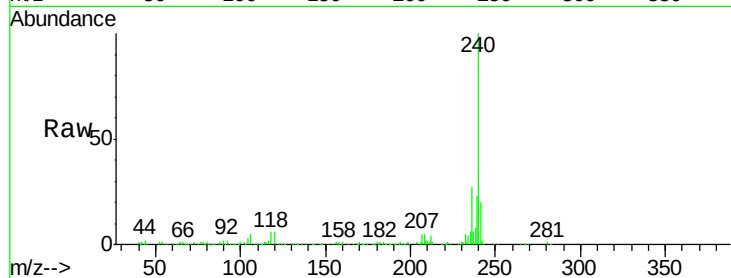




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.02 min
Lab File: BG040742.D
Acq: 4 May 2019 2:04

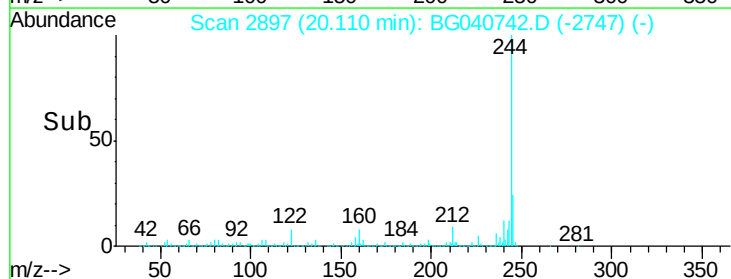
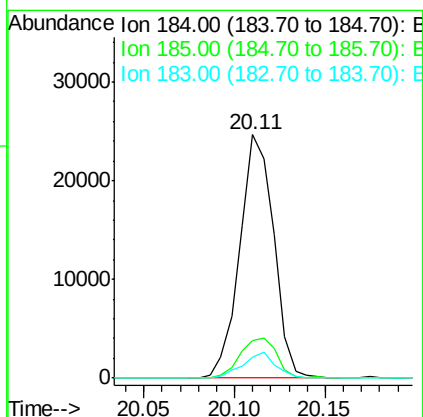
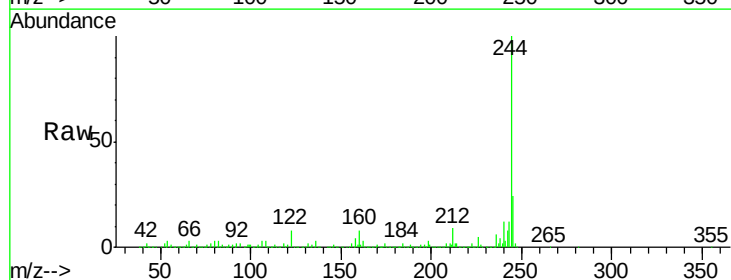
Instrument :
BNA_G
ClientSampleId :
FILTERBAG-RO

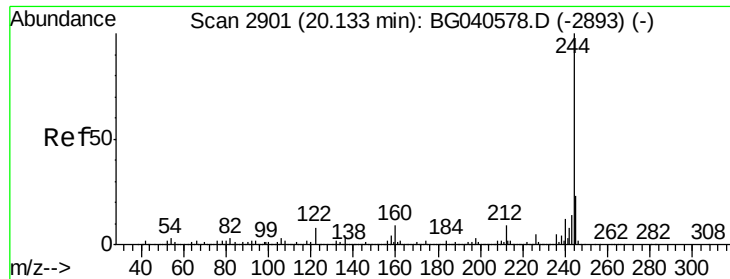
Tot Ion:240 Resp: 298646
Ion Ratio Lower Upper
240 100
120 6.1 5.0 7.6
236 27.4 20.3 30.5



#77
Benzidine
Concen: 3.918 ng
RT: 20.11 min Scan# 2897
Delta R.T. 0.35 min
Lab File: BG040742.D
Acq: 4 May 2019 2:04

Tgt Ion:184 Resp: 32039
Ion Ratio Lower Upper
184 100
185 15.7 11.8 17.8
183 8.5 10.2 15.2#





#79

Terphenyl-d14

Concen: 132.097 ng

RT: 20.12 min Scan# 2898

Delta R.T. -0.02 min

Lab File: BG040742.D

Acq: 4 May 2019 2:04

Instrument :

BNA_G

ClientSampleId :

FILTERBAG-RO

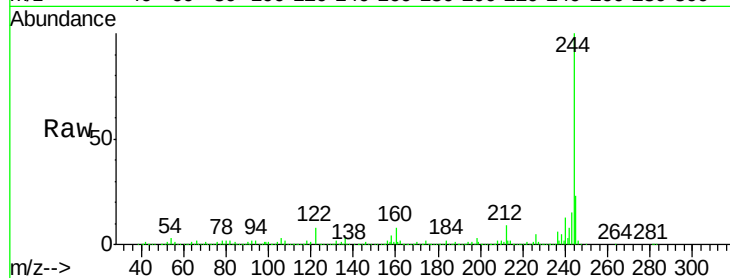
Tot Ion:244 Resp: 1780711

Ion Ratio Lower Upper

244 100

212 9.3 7.2 10.8

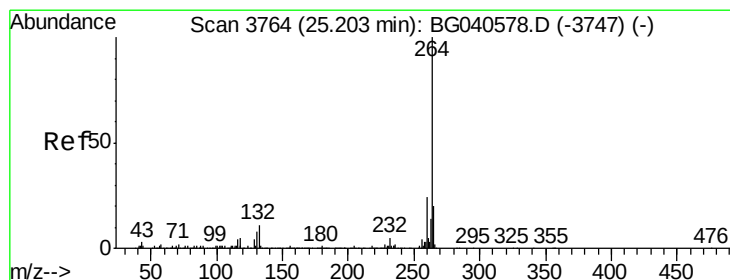
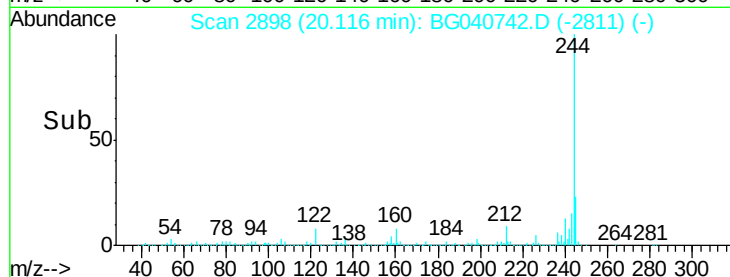
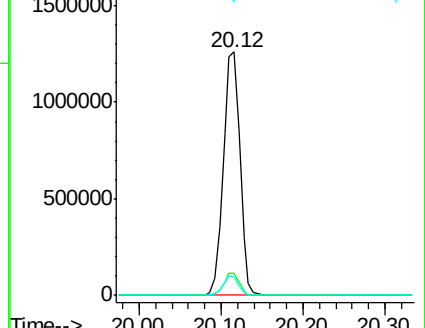
122 7.5 6.6 10.0



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: 25.15 min Scan# 3755

Delta R.T. -0.05 min

Lab File: BG040742.D

Acq: 4 May 2019 2:04

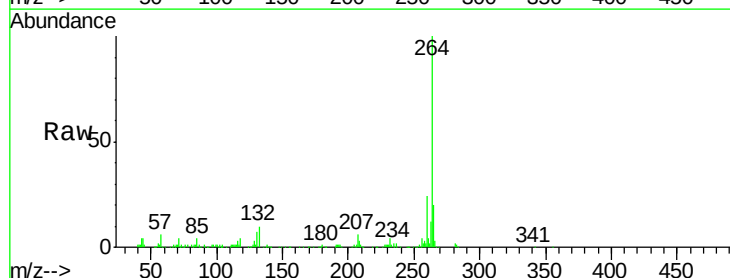
Tgt Ion:264 Resp: 297866

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 20.0 16.6 25.0



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

