

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071719\
 Data File : BG041701.D
 Acq On : 17 Jul 2019 23:33
 Operator : HP/JU
 Sample : K3835-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-5(7-9)

Quant Time: Jul 18 07:12:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 15 16:16:21 2019
 Response via : Initial Calibration

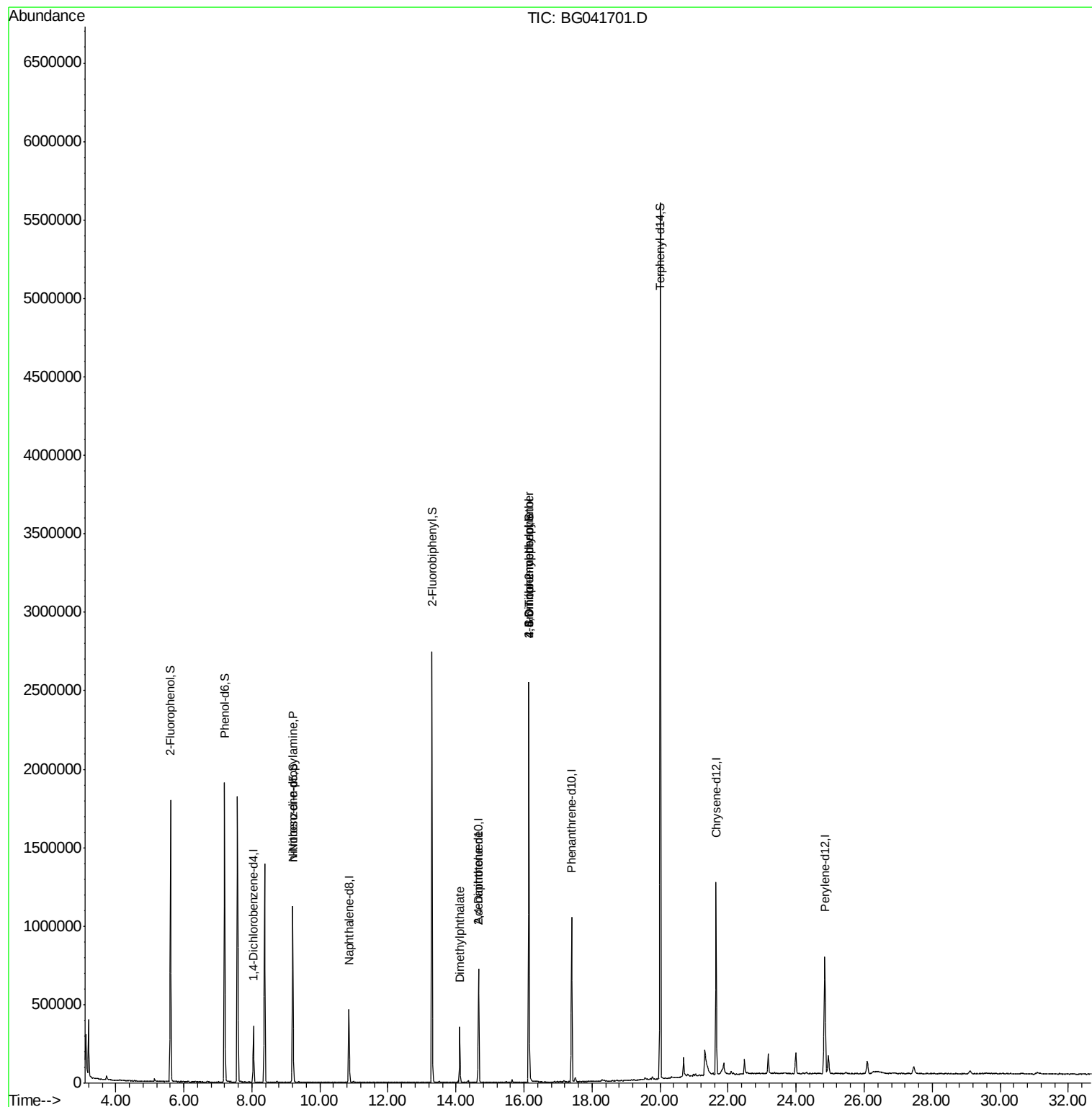
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	106080	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	422703	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	259888	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	658875	20.00	ng	-0.01
76) Chrysene-d12	21.65	240	696070	20.00	ng	-0.02
87) Perylene-d12	24.84	264	793527	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	783470	120.74	ng	0.00
7) Phenol-d6	7.20	99	1088513	124.71	ng	0.00
23) Nitrobenzene-d5	9.20	82	661609	95.19	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	457652	156.25	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1493667	89.00	ng	0.00
79) Terphenyl-d14	20.01	244	2399195	80.55	ng	0.00
Target Compounds						
9) Benzaldehyde	7.20	77	2114	Below Cal	Qvalue #	3
19) n-Nitroso-di-n-propylamine	9.20	70	89030	13.956 ng	#	71
50) Dimethylphthalate	14.11	163	244865	11.997 ng	#	98
57) 2,4-Dinitrotoluene	14.66	165	33742	5.896 ng	#	30
65) 4,6-Dinitro-2-methylphenol	16.15	198	1611	7.117 ng	#	1
67) 4-Bromophenyl-phenylether	16.14	248	36775	4.691 ng	#	1

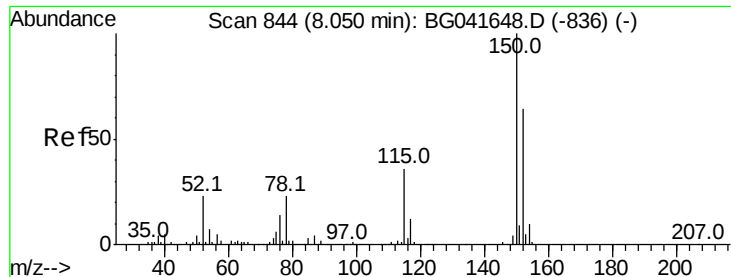
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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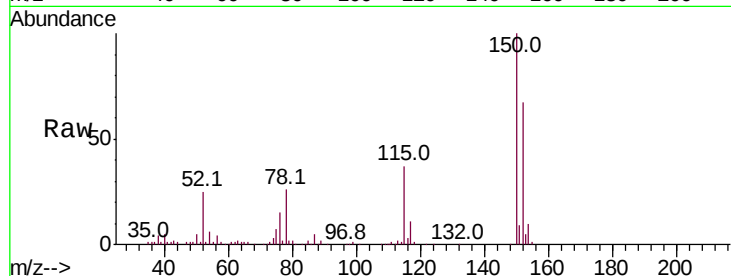


#1

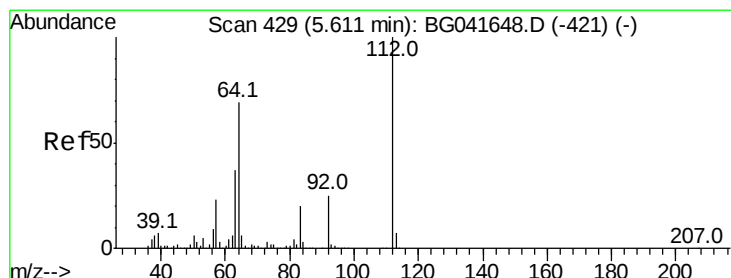
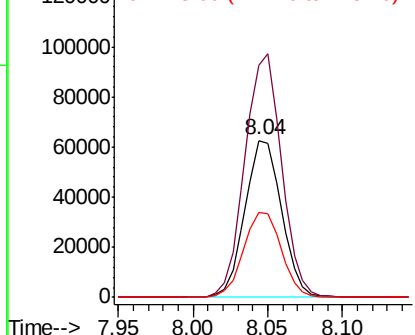
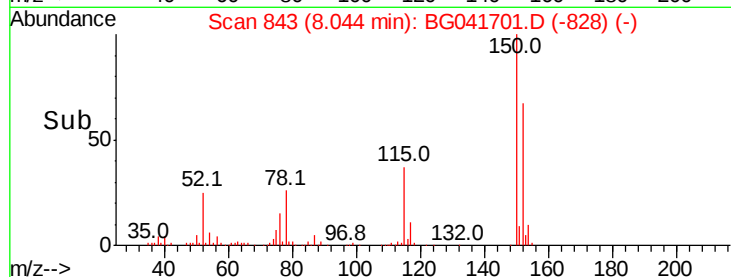
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG041701.D
Acq: 17 Jul 2019 23:33

Instrument :
BNA_G
ClientSampleId :
SB-5(7-9)

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.5	126.9	190.3
115	54.3	45.0	67.6



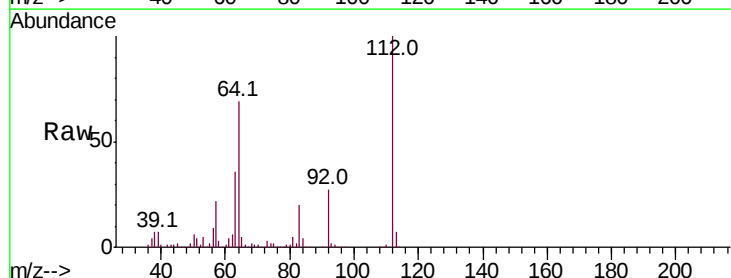
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



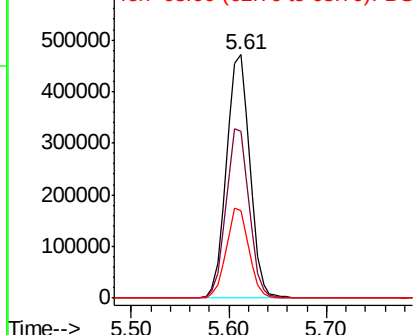
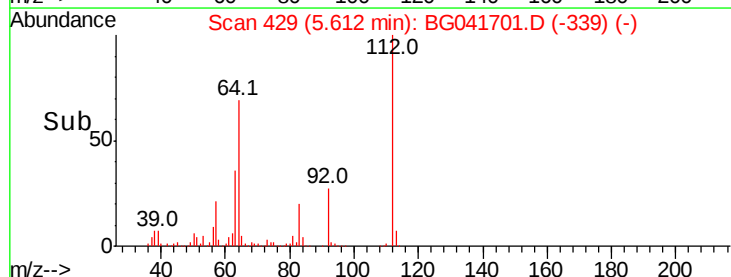
#5

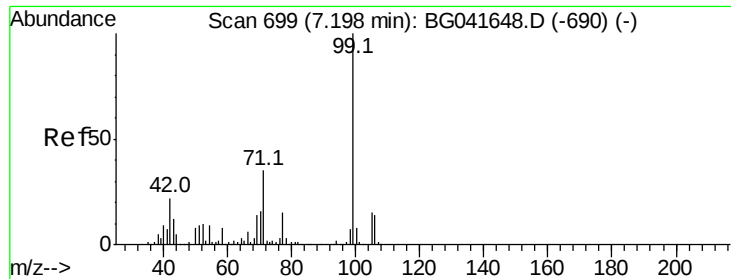
2-Fluorophenol
Concen: 120.737 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.00 min
Lab File: BG041701.D
Acq: 17 Jul 2019 23:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.6	55.4	83.2
63	36.1	29.1	43.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 124.714 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG041701.D

Acq: 17 Jul 2019 23:33

Instrument :

BNA_G

ClientSampleId :

SB-5(7-9)

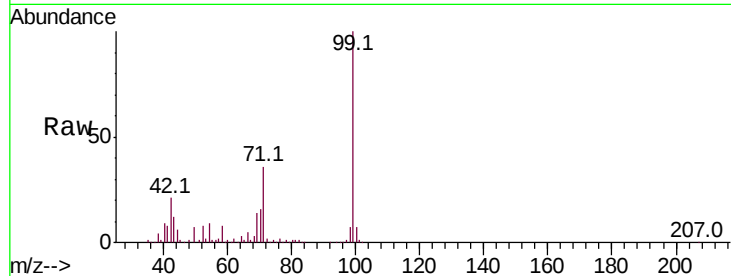
Tot Ion: 99 Resp: 1088513

Ion Ratio Lower Upper

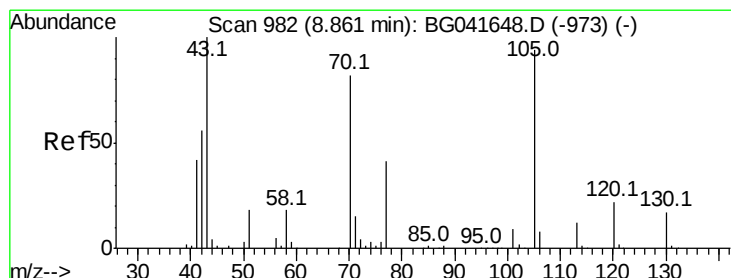
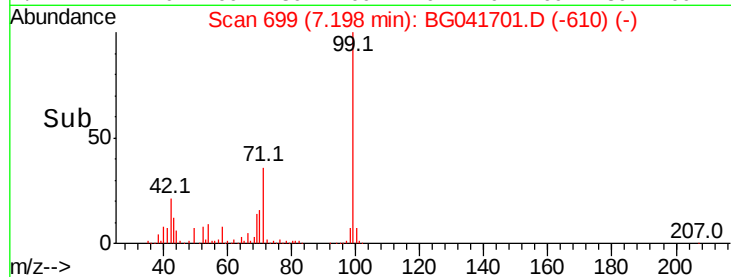
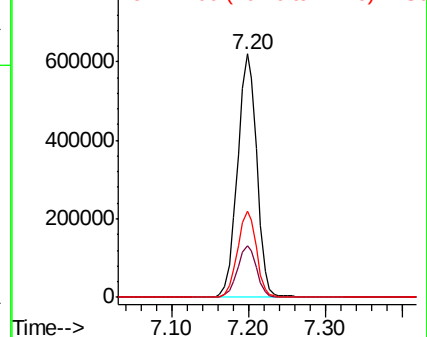
99 100

42 21.2 17.6 26.4

71 35.5 27.8 41.6



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.956 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG041701.D

Acq: 17 Jul 2019 23:33

Tgt Ion: 70 Resp: 89030

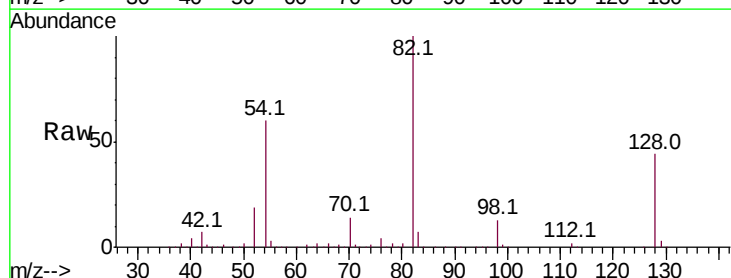
Ion Ratio Lower Upper

70 100

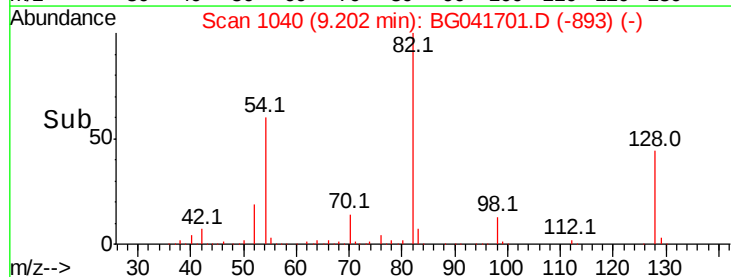
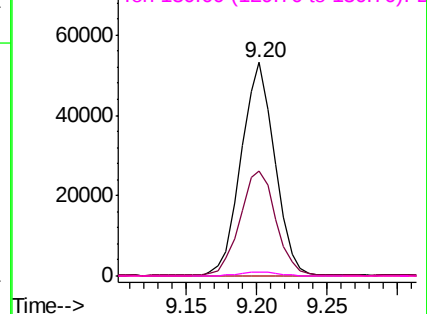
42 49.4 55.8 83.6#

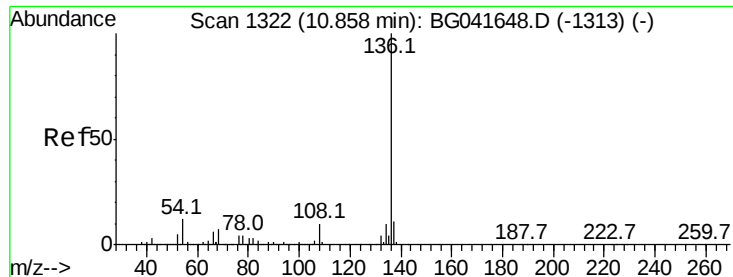
101 0.0 8.1 12.1#

130 1.8 17.3 25.9#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BG041701.D

Acq: 17 Jul 2019 23:33

Instrument :

BNA_G

ClientSampleId :

SB-5(7-9)

Tot Ion:136 Resp: 422703

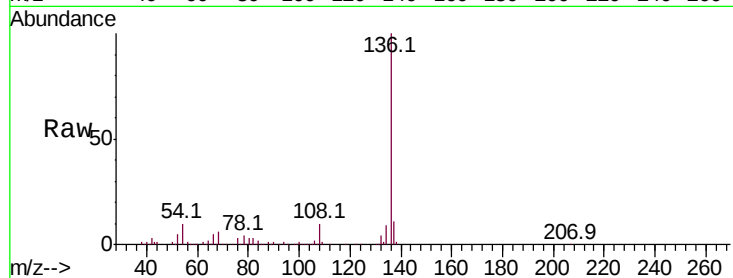
Ion Ratio Lower Upper

136 100

137 10.9 9.2 13.8

54 10.2 8.7 13.1

68 6.3 5.5 8.3

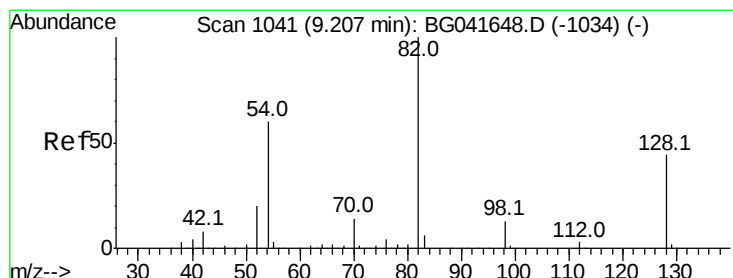
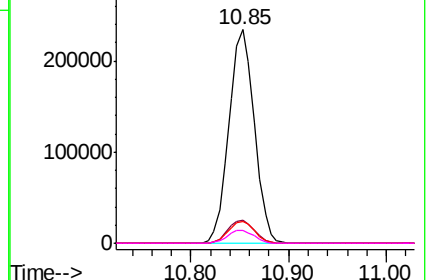
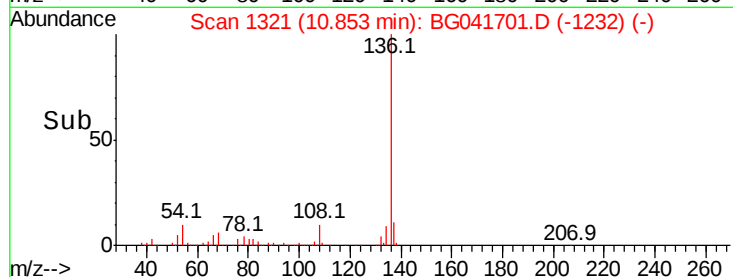


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.187 ng

RT: 9.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BG041701.D

Acq: 17 Jul 2019 23:33

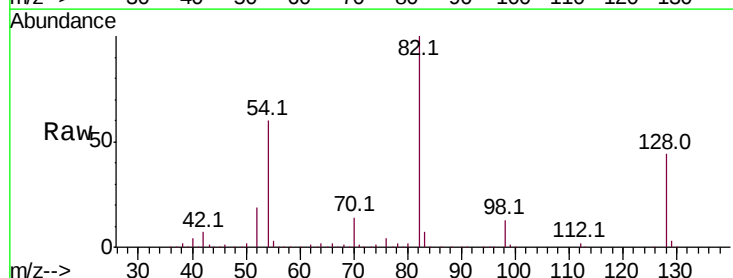
Tgt Ion: 82 Resp: 661609

Ion Ratio Lower Upper

82 100

128 44.3 35.1 52.7

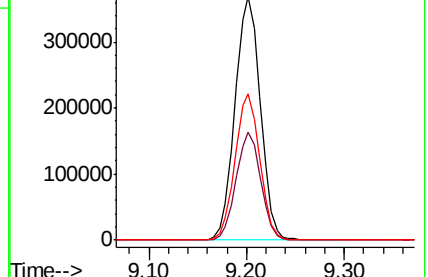
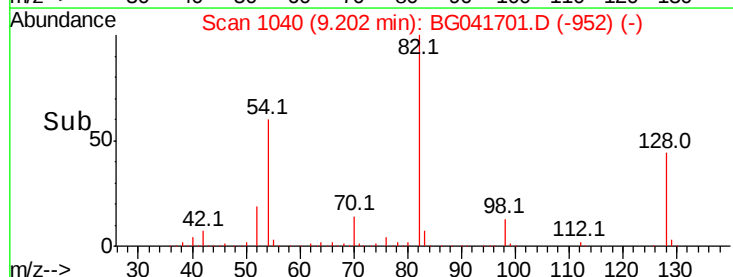
54 60.3 48.7 73.1

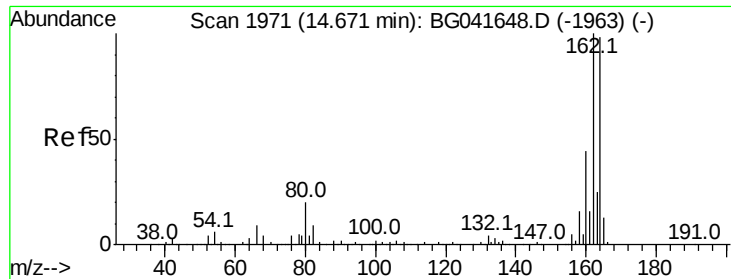


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

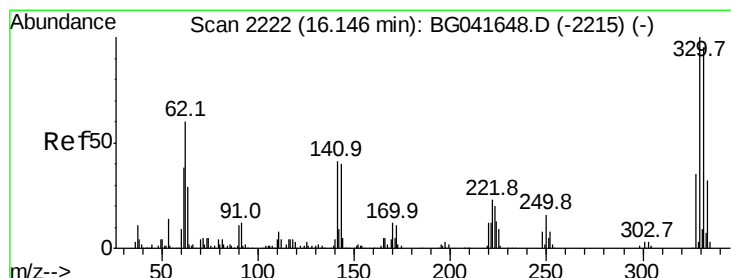
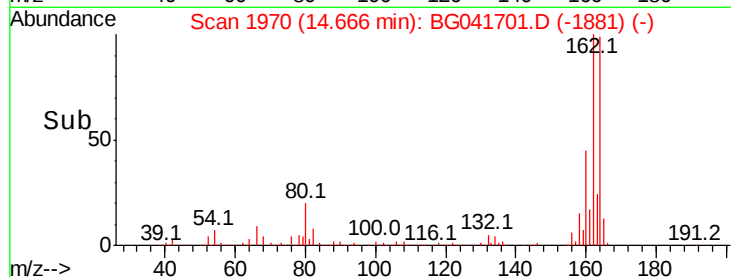
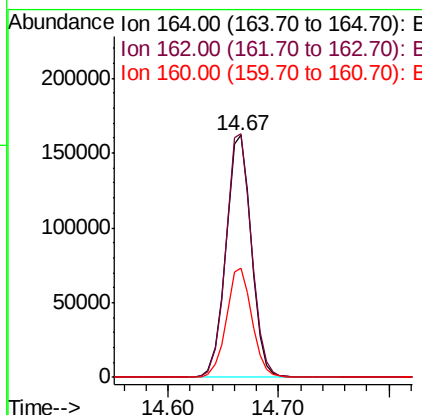
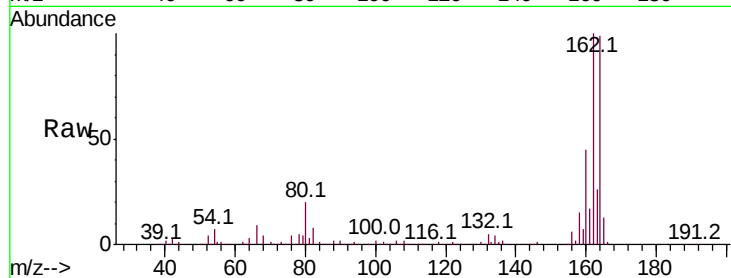




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG041701.D
Acq: 17 Jul 2019 23:33

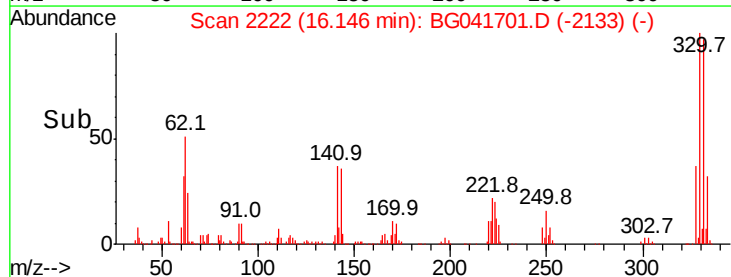
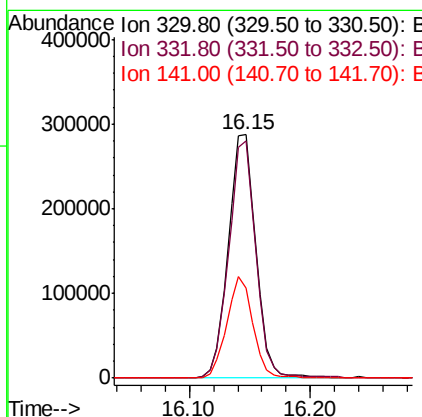
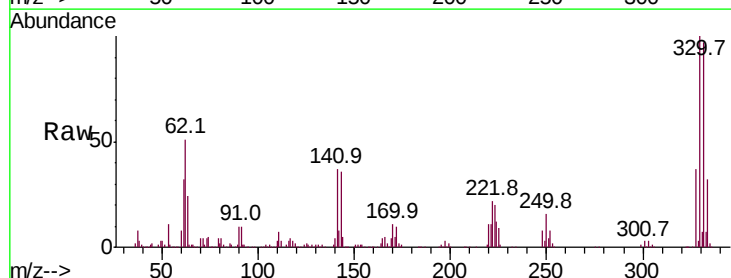
Instrument :
BNA_G
ClientSampleId :
SB-5(7-9)

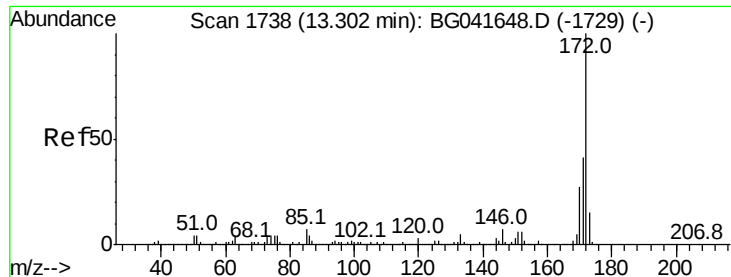
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.5	79.6	119.4
160	45.1	35.4	53.0



#42
2,4,6-Tribromophenol
Concen: 156.254 ng
RT: 16.15 min Scan# 2222
Delta R.T. -0.00 min
Lab File: BG041701.D
Acq: 17 Jul 2019 23:33

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.0
141	39.5	31.9	47.9

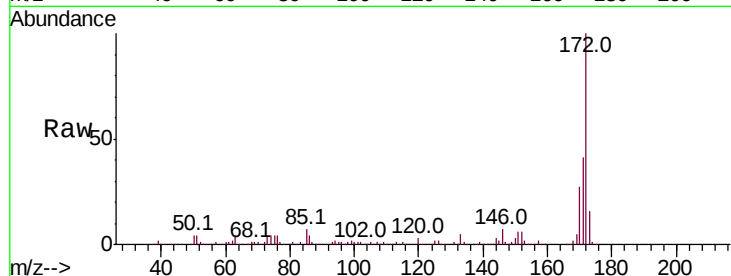




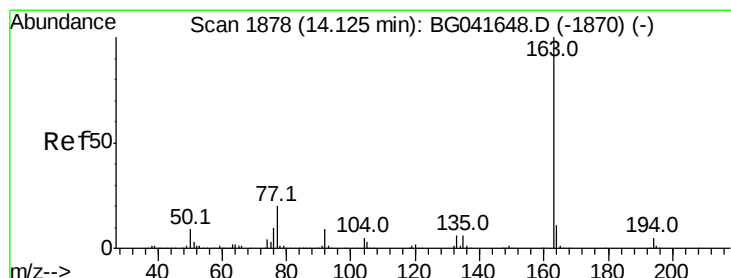
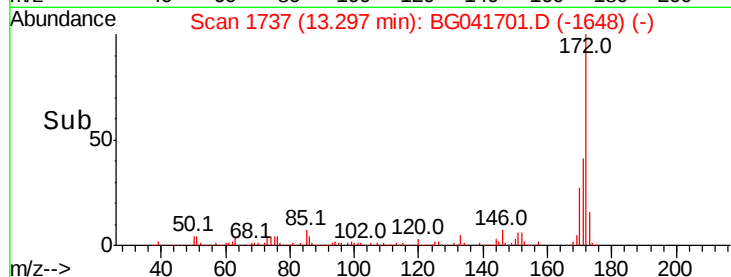
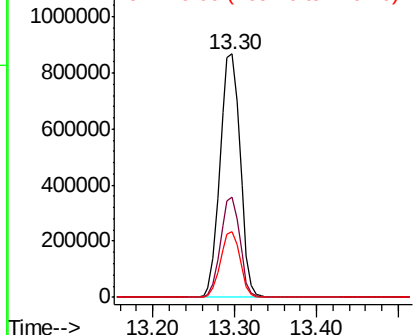
#45
2-Fluorobiphenyl
Concen: 88.998 ng
RT: 13.30 min Scan# 1737
Delta R.T. -0.00 min
Lab File: BG041701.D
Acq: 17 Jul 2019 23:33

Instrument :
BNA_G
ClientSampleId :
SB-5(7-9)

Tot Ion:172 Resp: 1493667
Ion Ratio Lower Upper
172 100
171 41.1 35.0 52.4
170 27.0 23.5 35.3

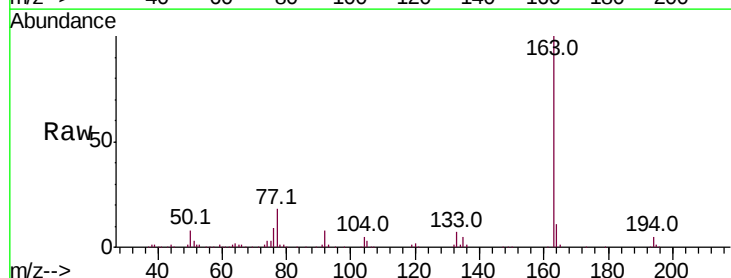


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

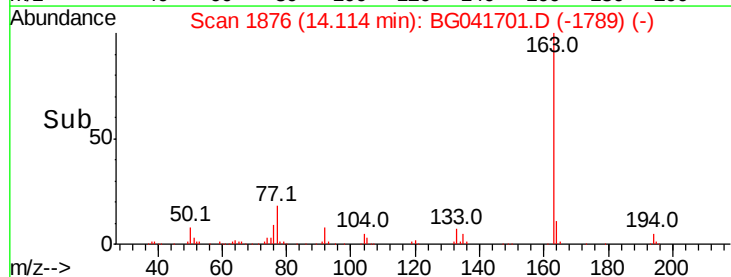
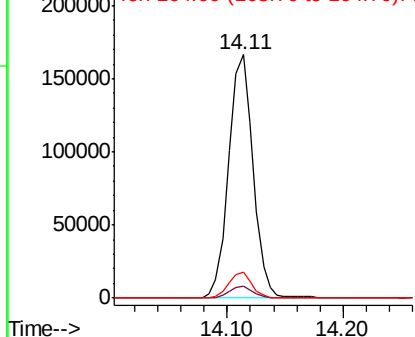


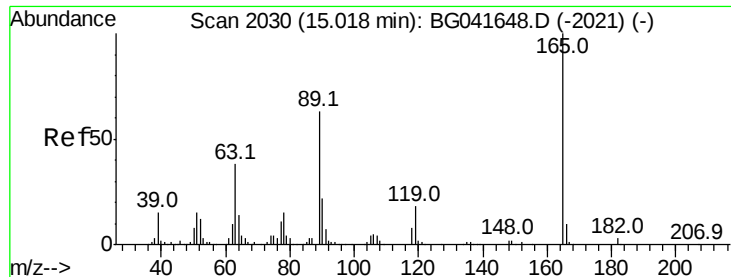
#50
Dimethylphthalate
Concen: 11.997 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.02 min
Lab File: BG041701.D
Acq: 17 Jul 2019 23:33

Tgt Ion:163 Resp: 244865
Ion Ratio Lower Upper
163 100
194 4.8 4.2 6.2
164 10.8 9.4 14.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

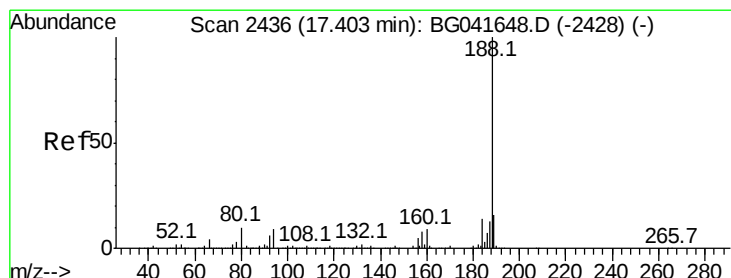
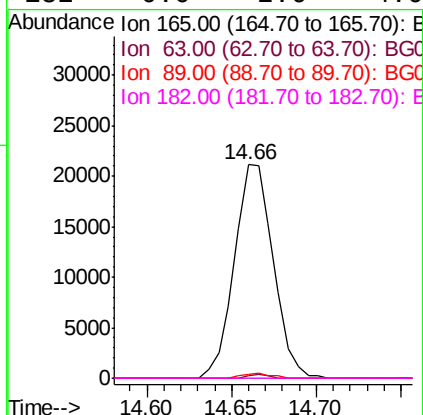
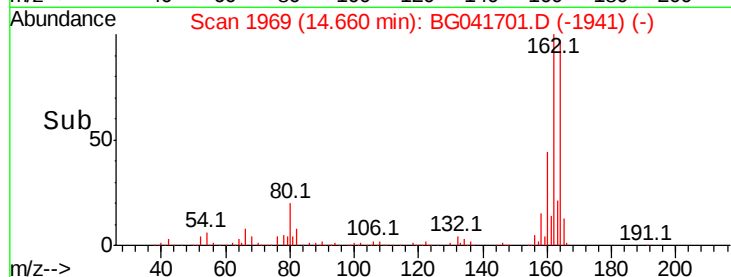
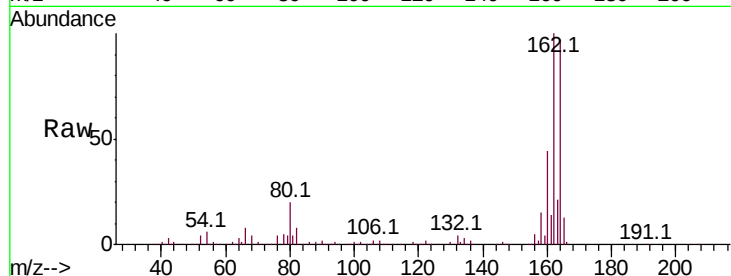




#57
 2,4-Dinitrotoluene
 Concen: 5.896 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.36 min
 Lab File: BG041701.D
 Acq: 17 Jul 2019 23:33

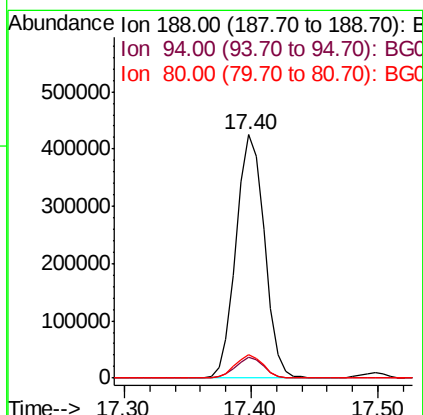
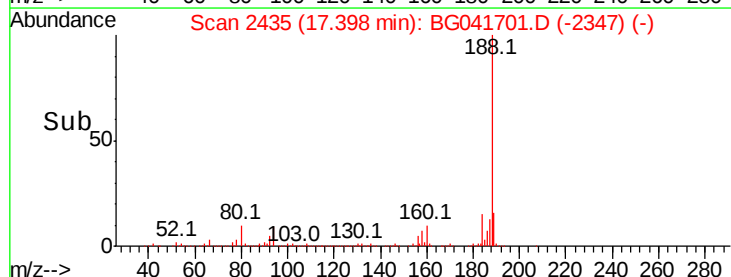
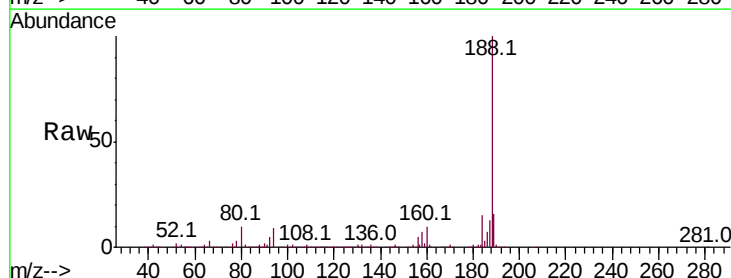
Instrument :
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 SB-5(7-9)

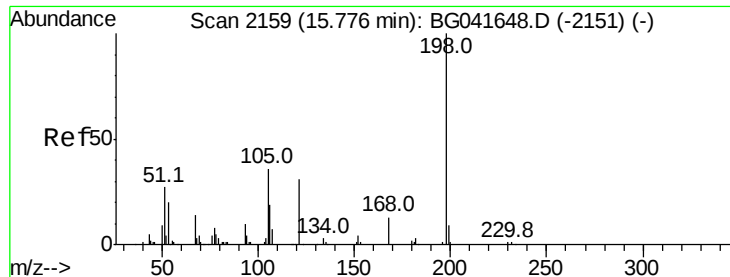
Tot Ion:165 Resp: 33742
 Ion Ratio Lower Upper
 165 100
 63 1.4 31.7 47.5#
 89 1.8 50.2 75.4#
 182 0.0 2.6 4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG041701.D
 Acq: 17 Jul 2019 23:33

Tgt Ion:188 Resp: 658875
 Ion Ratio Lower Upper
 188 100
 94 8.8 6.9 10.3
 80 9.6 8.0 12.0





#65

4,6-Dinitro-2-methylphenol

Concen: 7.117 ng

RT: 16.15 min Scan# 2222

Delta R.T. 0.37 min

Lab File: BG041701.D

Acq: 17 Jul 2019 23:33

Instrument :

BNA_G

ClientSampleId :

SB-5(7-9)

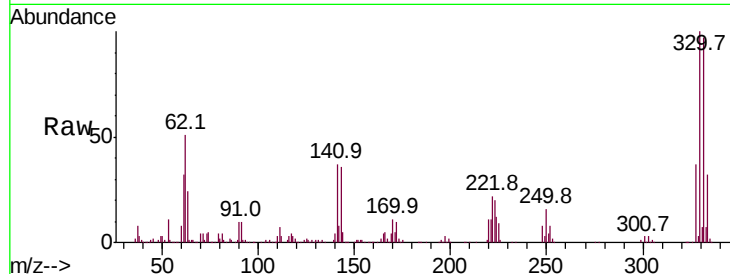
Tot Ion:198 Resp: 1611

Ion Ratio Lower Upper

198 100

51 129.5 22.3 62.3#

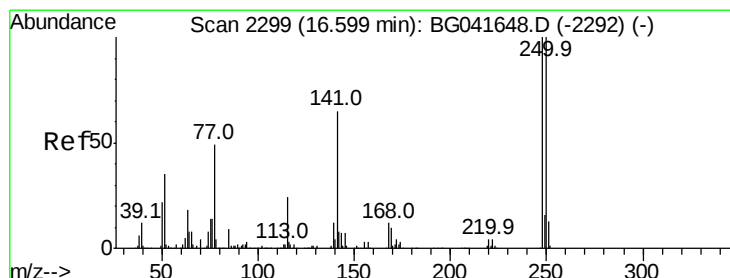
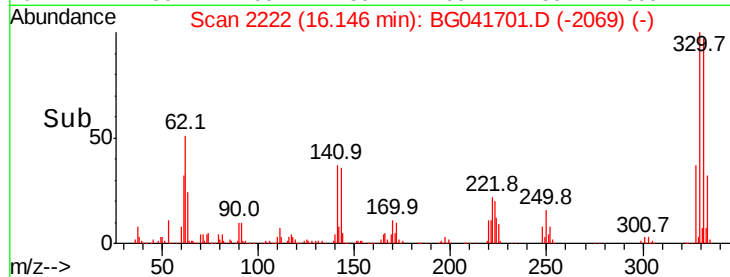
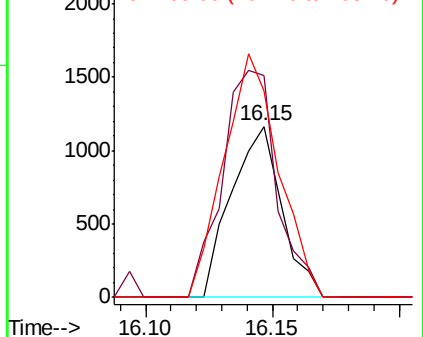
105 120.9 18.0 58.0#



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: 4.691 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.46 min

Lab File: BG041701.D

Acq: 17 Jul 2019 23:33

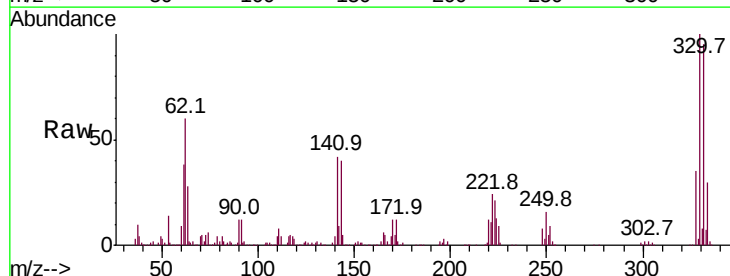
Tgt Ion:248 Resp: 36775

Ion Ratio Lower Upper

248 100

250 192.0 78.1 117.1#

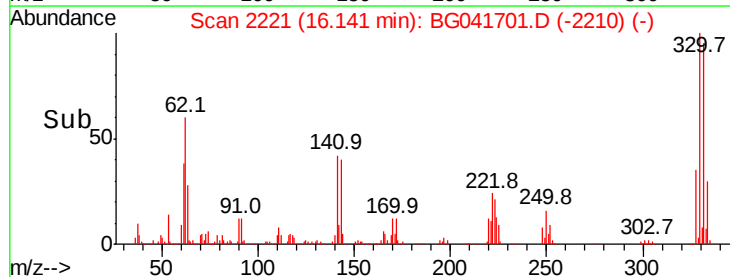
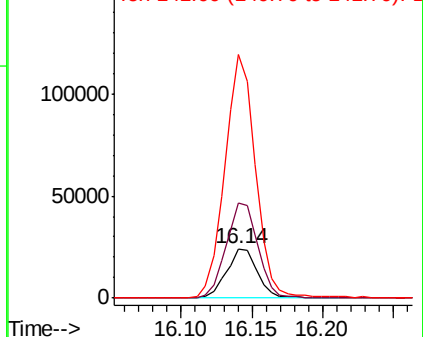
141 492.5 49.6 74.4#

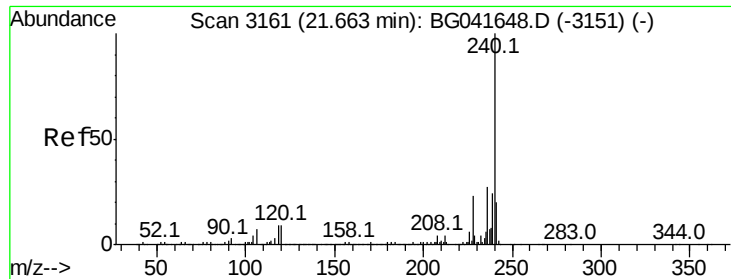


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.65 min Scan# 3158

Delta R.T. -0.02 min

Lab File: BG041701.D

Acq: 17 Jul 2019 23:33

Instrument :

BNA_G

ClientSampleId :

SB-5(7-9)

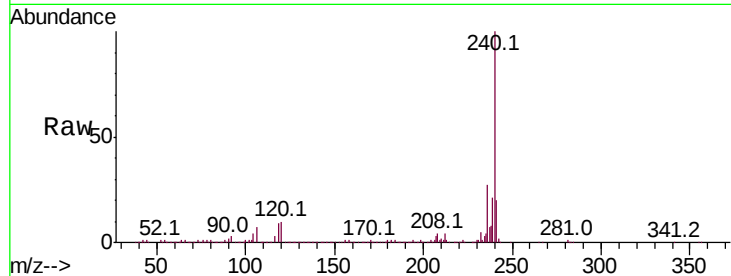
Tot Ion:240 Resp: 696070

Ion Ratio Lower Upper

240 100

120 9.9 8.0 12.0

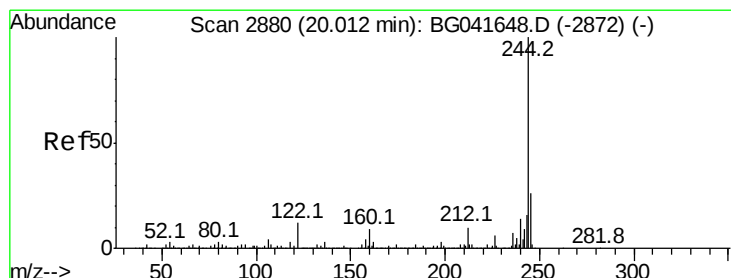
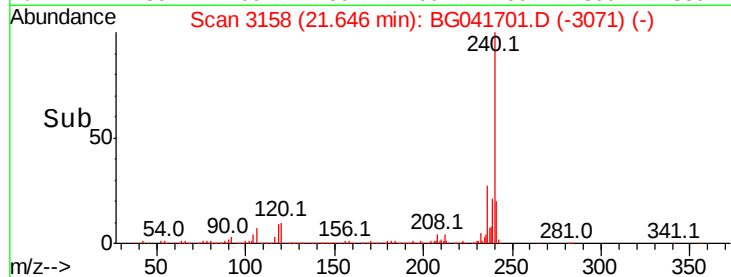
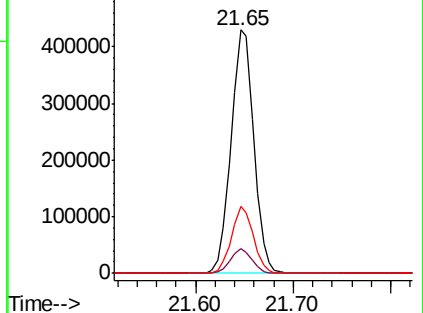
236 27.5 22.6 33.8



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



#79

Terphenyl-d14

Concen: 80.547 ng

RT: 20.01 min Scan# 2879

Delta R.T. -0.00 min

Lab File: BG041701.D

Acq: 17 Jul 2019 23:33

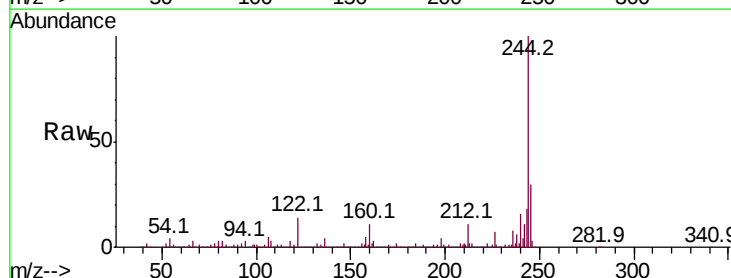
Tgt Ion:244 Resp: 2399195

Ion Ratio Lower Upper

244 100

212 11.3 9.7 14.5

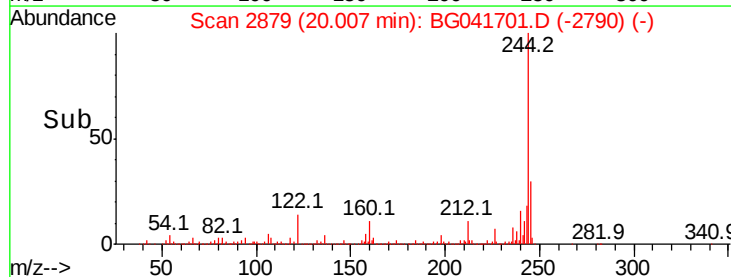
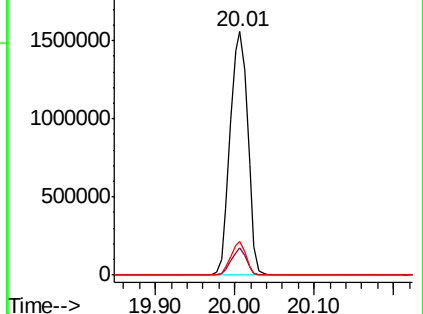
122 13.7 12.5 18.7

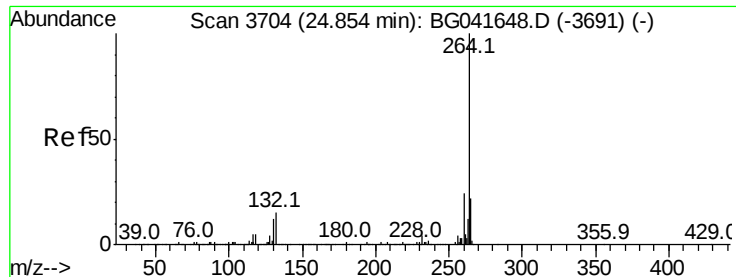


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.84 min Scan# 3702
Delta R.T. -0.02 min
Lab File: BG041701.D
Acq: 17 Jul 2019 23:33

Instrument :
BNA_G
ClientSampleId :
SB-5(7-9)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.4	18.0	27.0

