

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071719\
 Data File : BG041702.D
 Acq On : 18 Jul 2019 00:12
 Operator : HP/JU
 Sample : K3835-24
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-12(6-8)

Quant Time: Jul 18 07:12:20 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

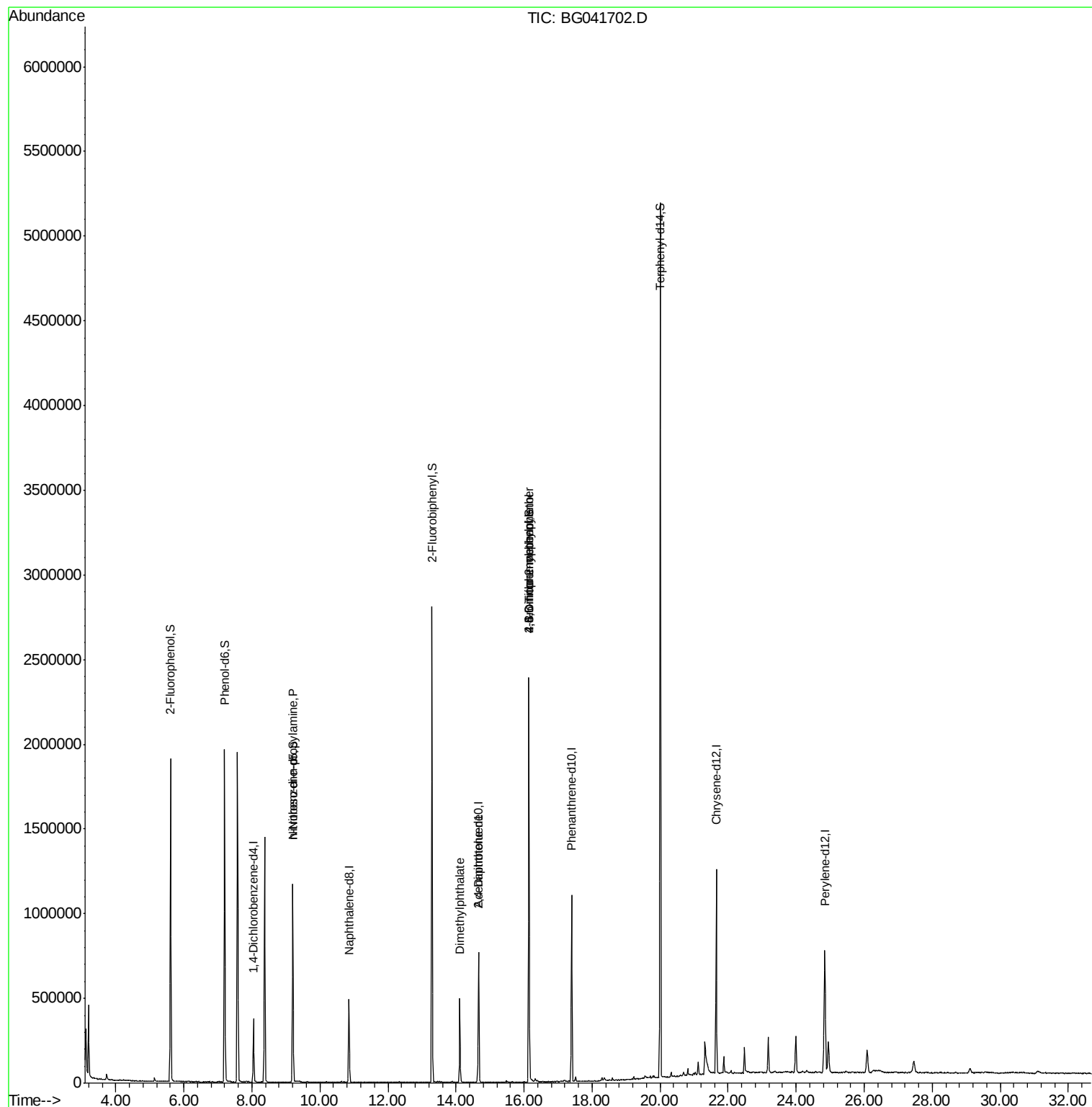
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	107496	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	426527	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	266670	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	677517	20.00	ng	-0.01
76) Chrysene-d12	21.65	240	684342	20.00	ng	-0.01
87) Perylene-d12	24.85	264	783809	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	807209	122.76	ng	0.00
7) Phenol-d6	7.20	99	1123294	127.00	ng	0.00
23) Nitrobenzene-d5	9.20	82	676021	96.39	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	456699	151.96	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1480594	85.98	ng	0.00
79) Terphenyl-d14	20.01	244	2282057	77.93	ng	0.00
Target Compounds						
9) Benzaldehyde	7.20	77	1832	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	9.20	70	91197	14.107 ng	#	73
50) Dimethylphthalate	14.11	163	333493	15.923 ng	#	98
57) 2,4-Dinitrotoluene	14.66	165	33637	5.728 ng	#	29
65) 4,6-Dinitro-2-methylphenol	16.14	198	1673	7.122 ng	#	1
67) 4-Bromophenyl-phenylether	16.15	248	37501	4.652 ng	#	1
77) Benizidine	20.01	184	42060	Below Cal	#	94

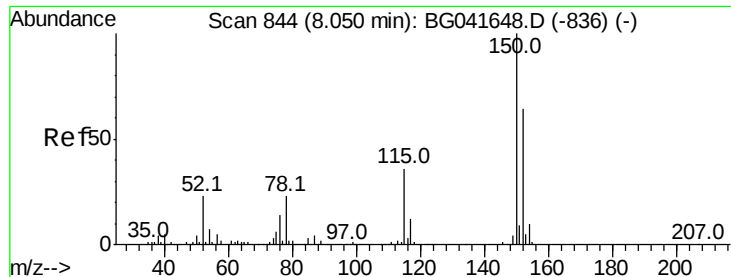
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 844

Delta R.T. -0.01 min

Lab File: BG041702.D

Acq: 18 Jul 2019 00:12

Instrument :

BNA_G

ClientSampleId :

SB-12(6-8)

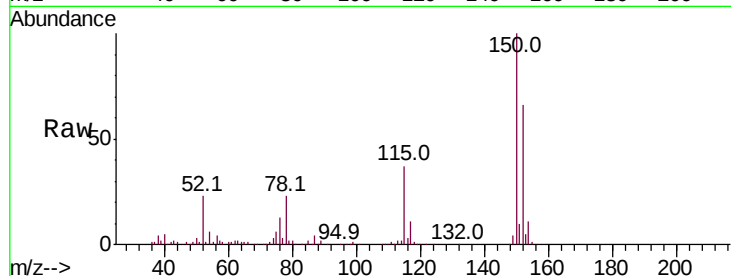
Tot Ion:152 Resp: 107496

Ion Ratio Lower Upper

152 100

150 151.4 126.9 190.3

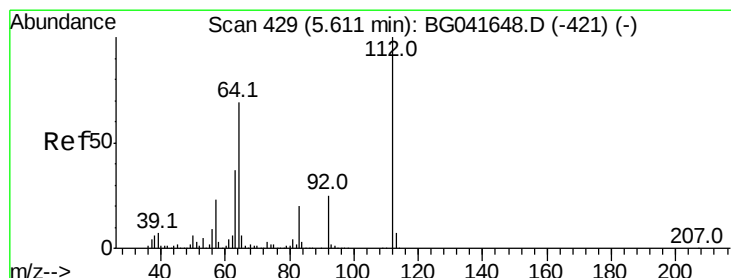
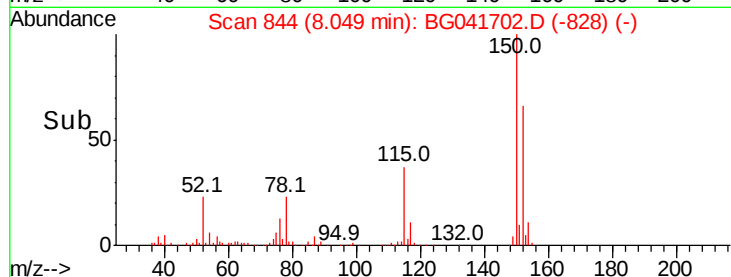
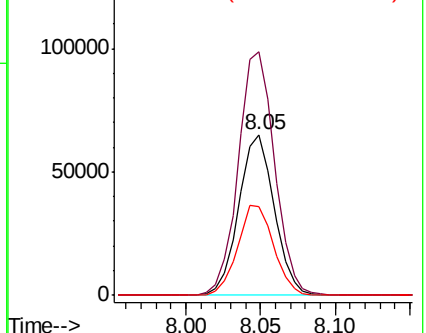
115 55.4 45.0 67.6



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: 122.757 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.00 min

Lab File: BG041702.D

Acq: 18 Jul 2019 00:12

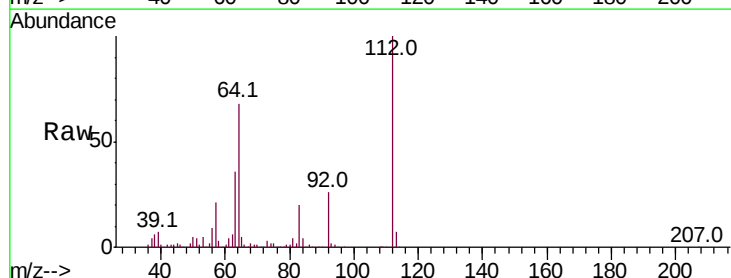
Tgt Ion:112 Resp: 807209

Ion Ratio Lower Upper

112 100

64 68.3 55.4 83.2

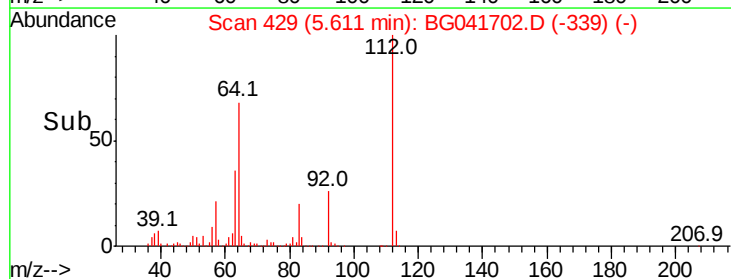
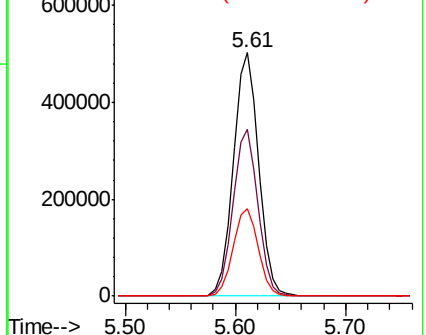
63 35.9 29.1 43.7

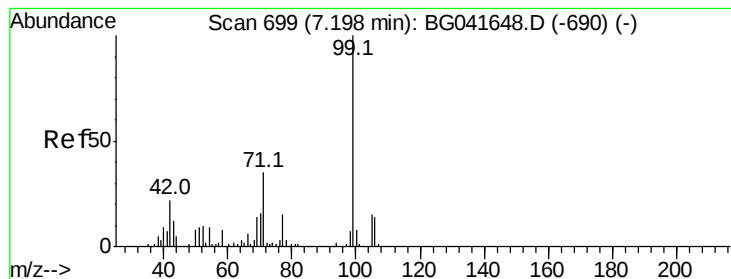


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 127.004 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG041702.D

Acq: 18 Jul 2019 00:12

Instrument :

BNA_G

ClientSampleId :

SB-12(6-8)

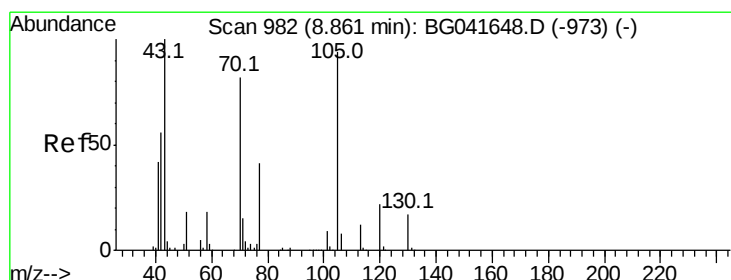
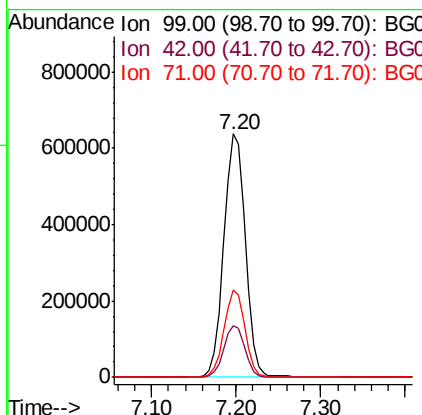
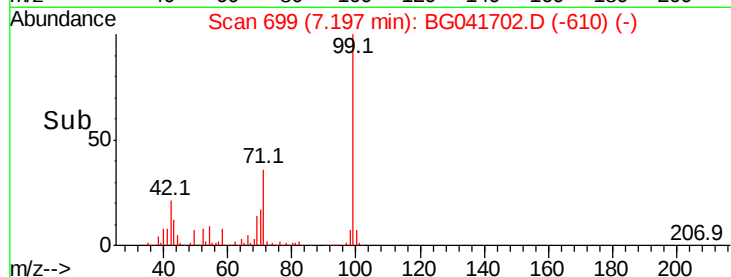
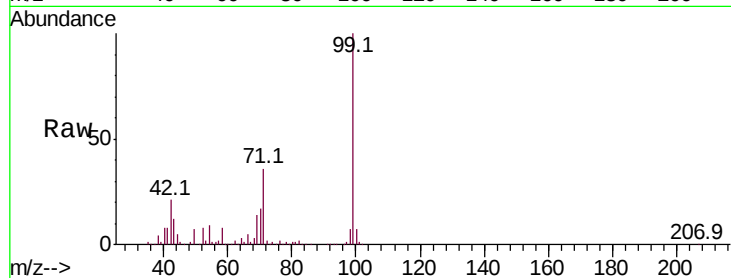
Tot Ion: 99 Resp: 1123294

Ion Ratio Lower Upper

99 100

42 21.0 17.6 26.4

71 35.8 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 14.107 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG041702.D

Acq: 18 Jul 2019 00:12

Tgt Ion: 70 Resp: 91197

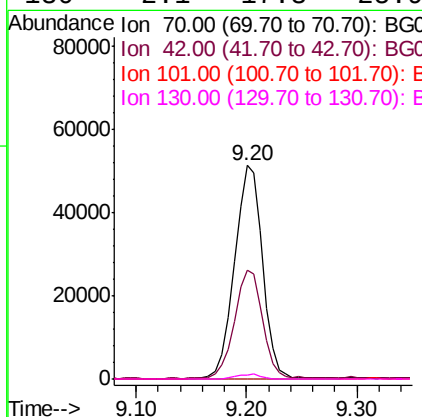
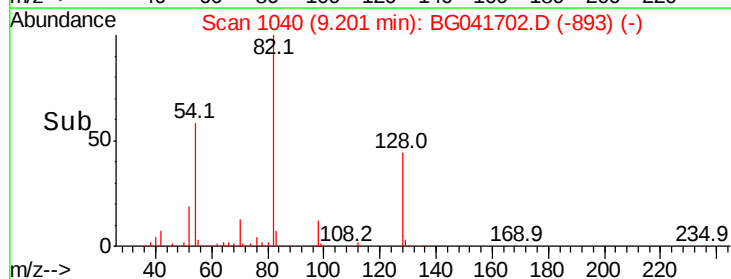
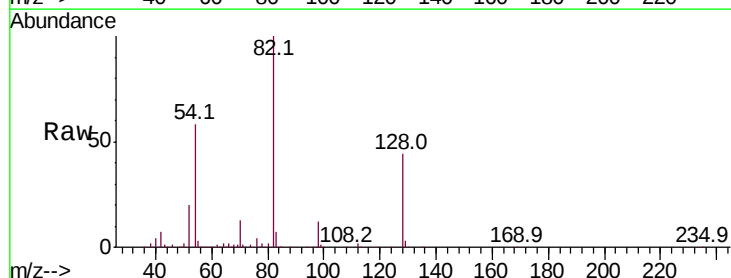
Ion Ratio Lower Upper

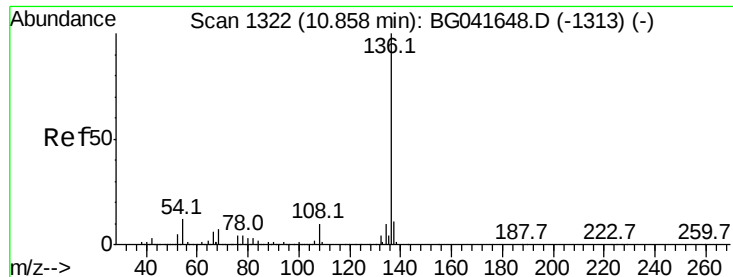
70 100

42 50.8 55.8 83.6#

101 0.0 8.1 12.1#

130 2.1 17.3 25.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BG041702.D

Acq: 18 Jul 2019 00:12

Instrument :

BNA_G

ClientSampleId :

SB-12(6-8)

Tot Ion:136 Resp: 426527

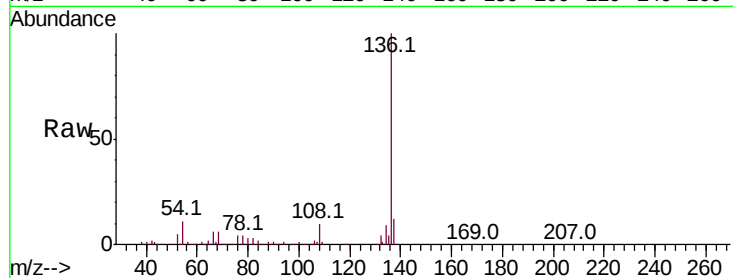
Ion Ratio Lower Upper

136 100

137 11.6 9.2 13.8

54 10.7 8.7 13.1

68 6.3 5.5 8.3

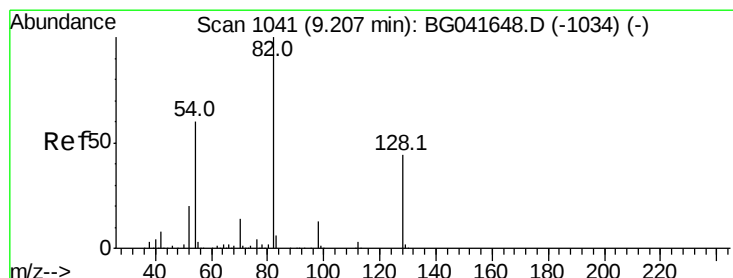
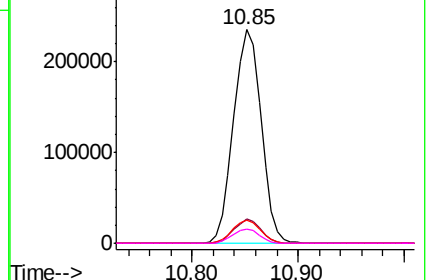
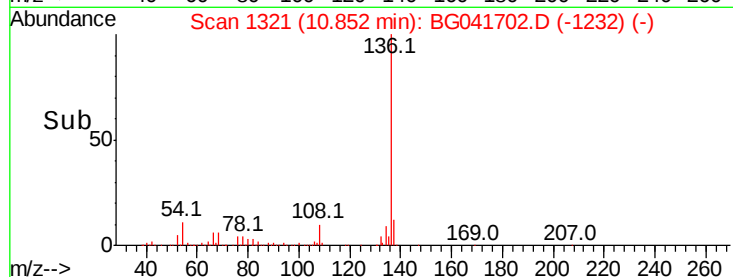


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.388 ng

RT: 9.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BG041702.D

Acq: 18 Jul 2019 00:12

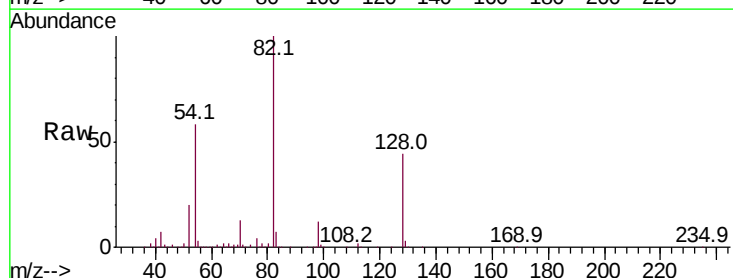
Tgt Ion: 82 Resp: 676021

Ion Ratio Lower Upper

82 100

128 43.7 35.1 52.7

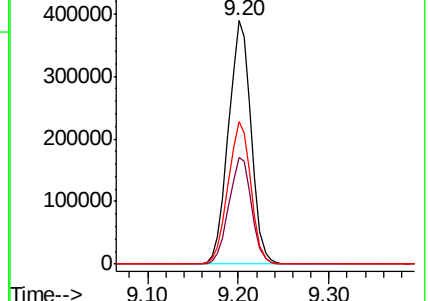
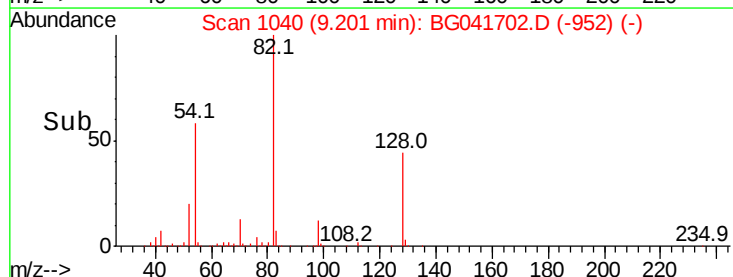
54 58.4 48.7 73.1

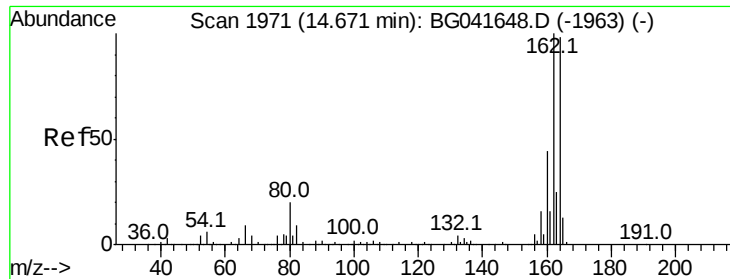


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.66 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BG041702.D

Acq: 18 Jul 2019 00:12

Instrument :

BNA_G

ClientSampleId :

SB-12(6-8)

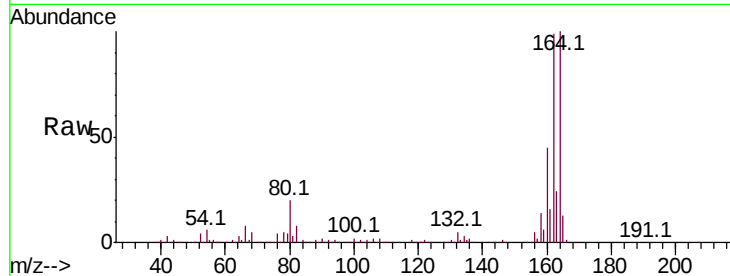
Tot Ion:164 Resp: 266670

Ion Ratio Lower Upper

164 100

162 99.1 79.6 119.4

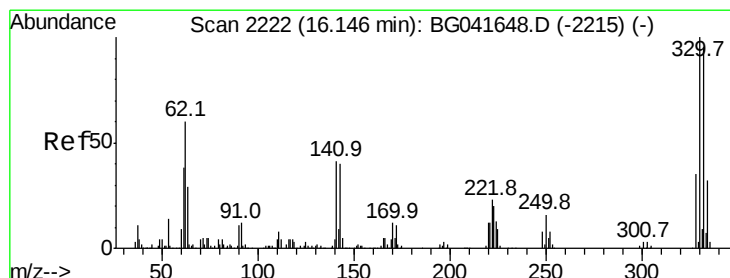
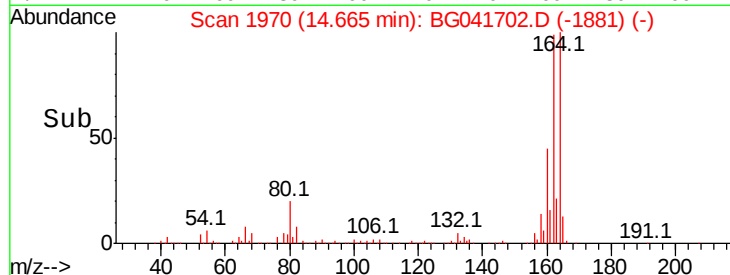
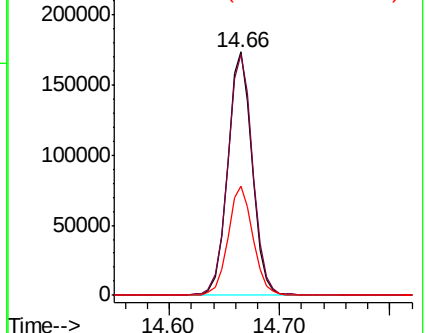
160 44.9 35.4 53.0



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: 151.963 ng

RT: 16.15 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BG041702.D

Acq: 18 Jul 2019 00:12

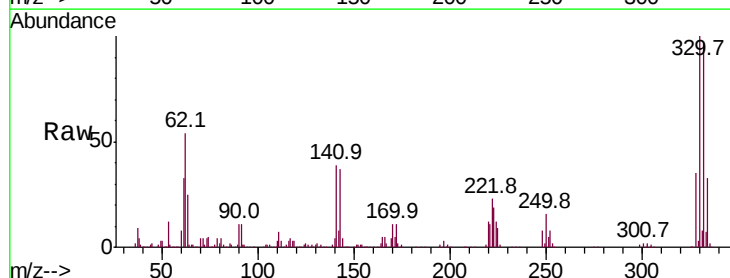
Tgt Ion:330 Resp: 456699

Ion Ratio Lower Upper

330 100

332 96.8 77.4 116.0

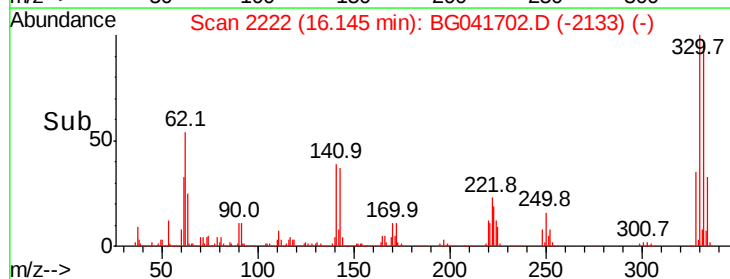
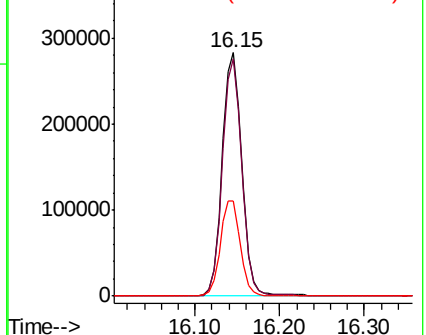
141 39.8 31.9 47.9

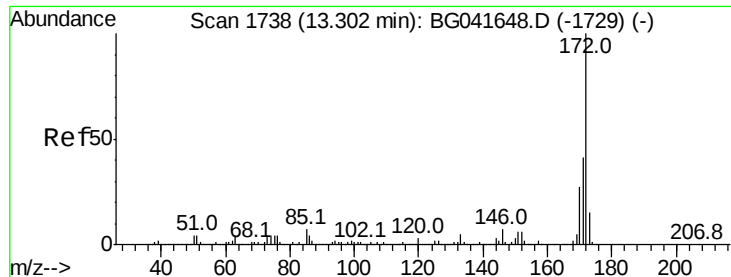


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

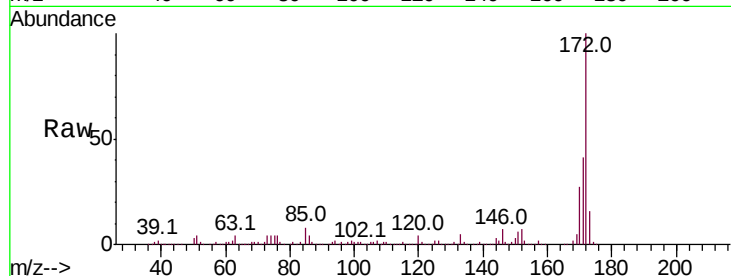




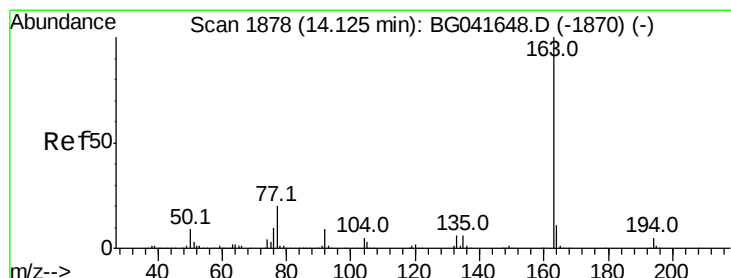
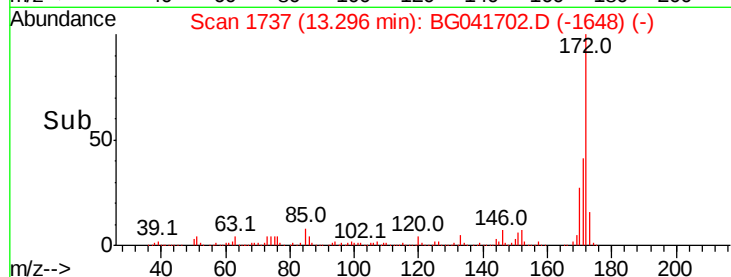
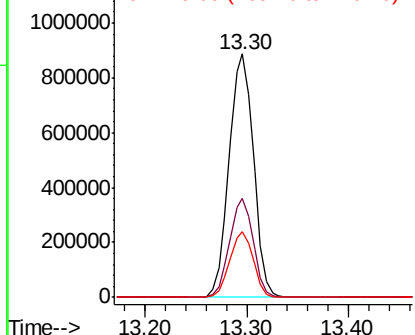
#45
2-Fluorobiphenyl
Concen: 85.975 ng
RT: 13.30 min Scan# 1737
Delta R.T. -0.01 min
Lab File: BG041702.D
Acq: 18 Jul 2019 00:12

Instrument :
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Tot Ion:172 Resp: 1480594
Ion Ratio Lower Upper
172 100
171 40.9 35.0 52.4
170 27.0 23.5 35.3

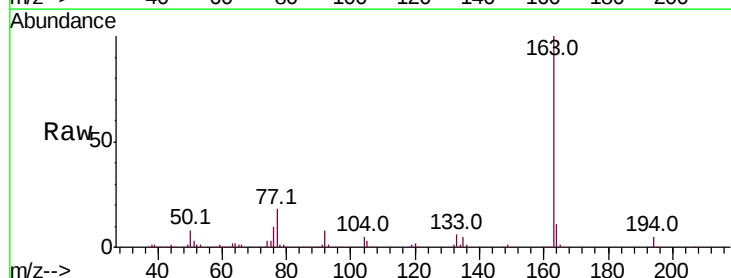


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

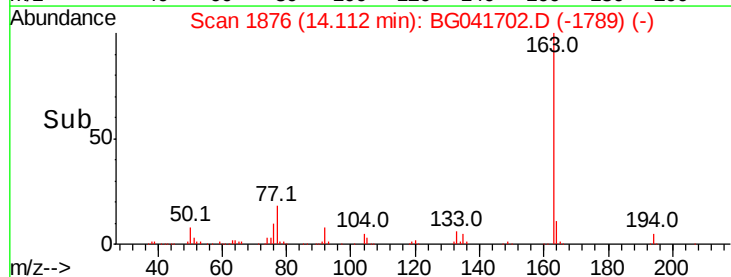
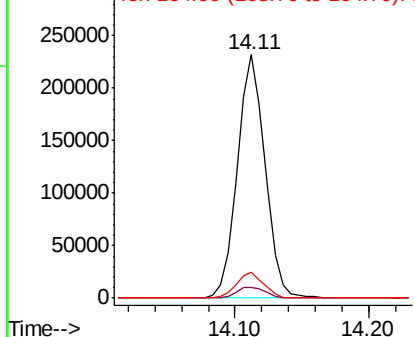


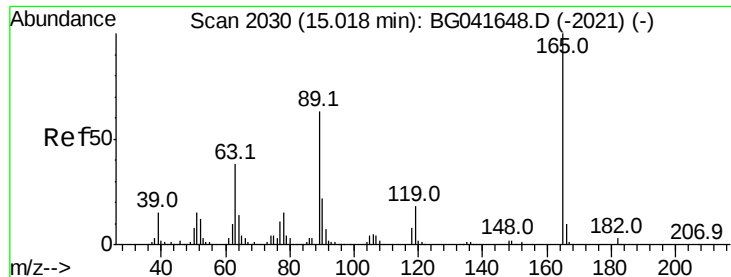
#50
Dimethylphthalate
Concen: 15.923 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.02 min
Lab File: BG041702.D
Acq: 18 Jul 2019 00:12

Tgt Ion:163 Resp: 333493
Ion Ratio Lower Upper
163 100
194 4.5 4.2 6.2
164 10.9 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

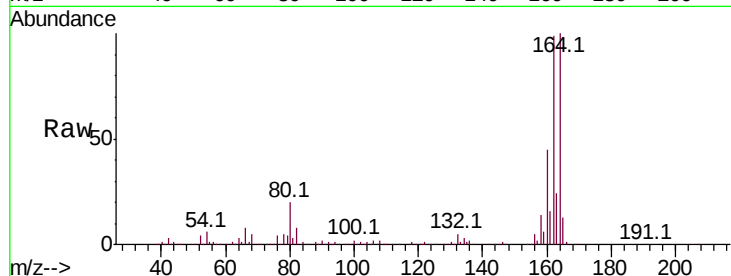




#57
 2,4-Dinitrotoluene
 Concen: 5.728 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG041702.D
 Acq: 18 Jul 2019 00:12

Instrument :
 BNA_G
 ClientSampleId :
 SB-12(6-8)

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	31.7	47.5#
89	1.7	50.2	75.4#
182	0.0	2.6	4.0#

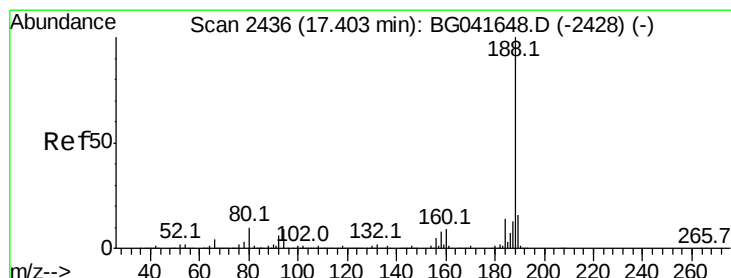
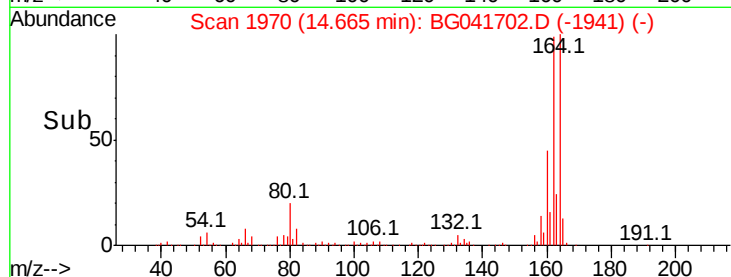
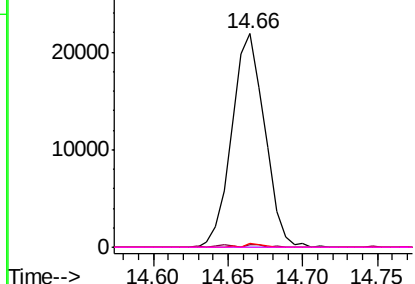


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

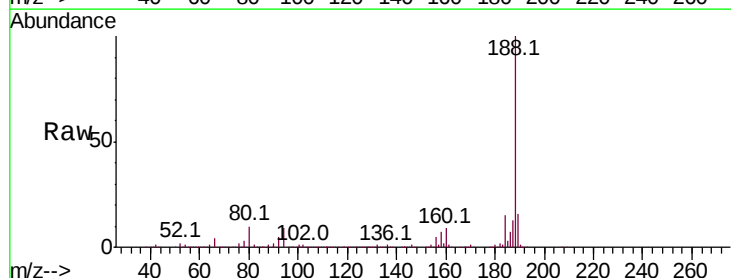
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG041702.D
 Acq: 18 Jul 2019 00:12

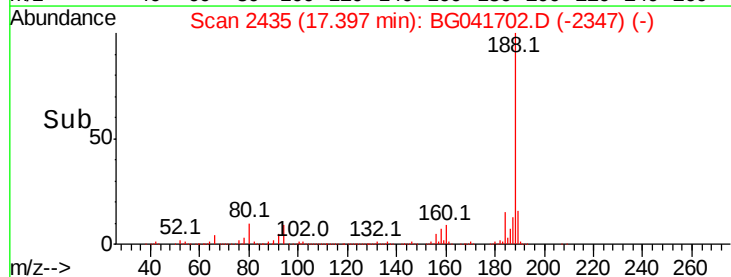
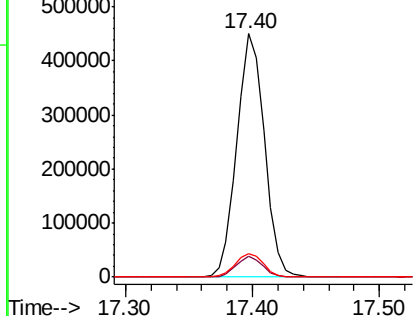
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.9	10.3
80	9.8	8.0	12.0

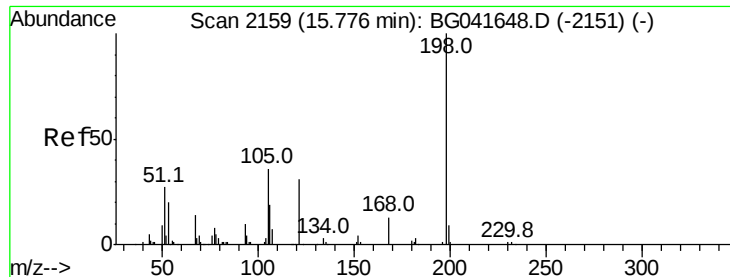


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.122 ng

RT: 16.14 min Scan# 2221

Delta R.T. 0.36 min

Lab File: BG041702.D

Acq: 18 Jul 2019 00:12

Instrument :

BNA_G

ClientSampleId :

SB-12(6-8)

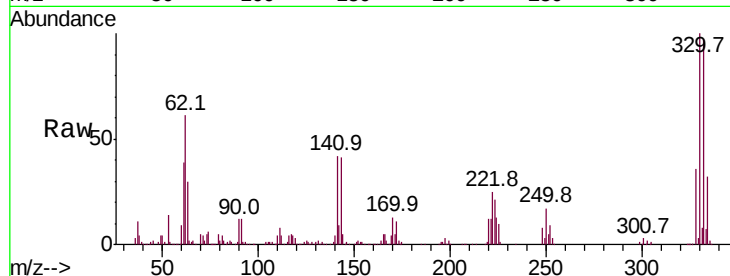
Tot Ion:198 Resp: 1673

Ion Ratio Lower Upper

198 100

51 122.0 22.3 62.3#

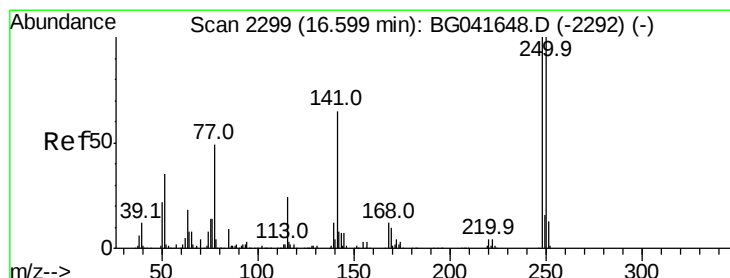
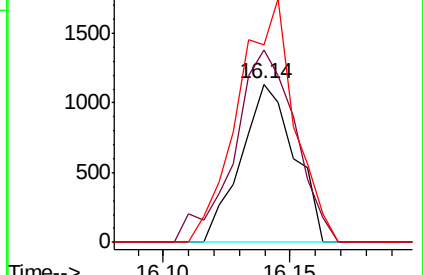
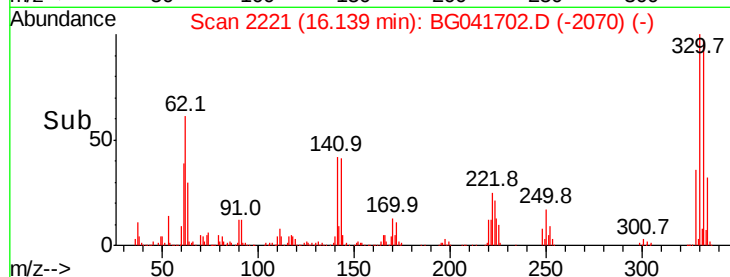
105 125.4 18.0 58.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.652 ng

RT: 16.15 min Scan# 2222

Delta R.T. -0.46 min

Lab File: BG041702.D

Acq: 18 Jul 2019 00:12

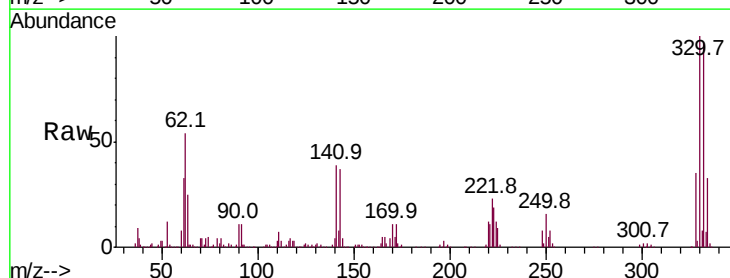
Tgt Ion:248 Resp: 37501

Ion Ratio Lower Upper

248 100

250 192.2 78.1 117.1#

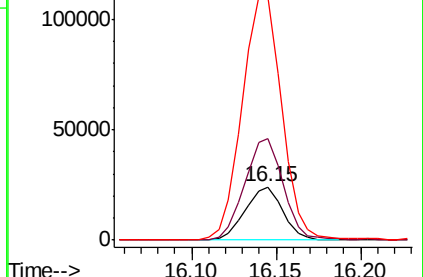
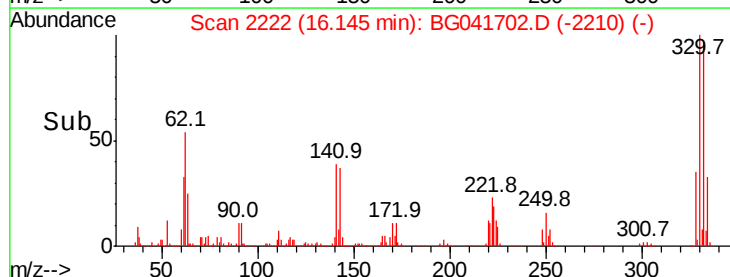
141 459.9 49.6 74.4#

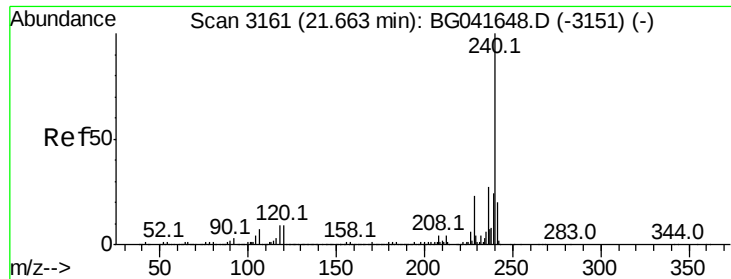


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3159

Delta R.T. -0.01 min

Lab File: BG041702.D

Acq: 18 Jul 2019 00:12

Instrument :

BNA_G

ClientSampled :

SB-12(6-8)

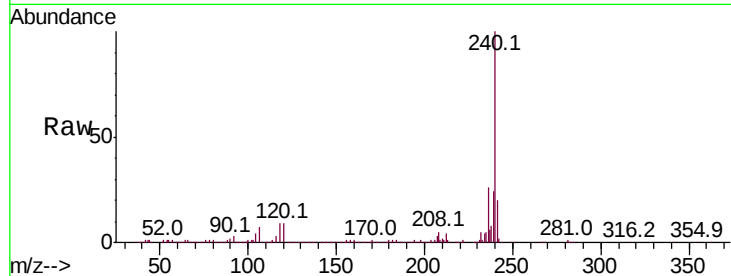
Tot Ion:240 Resp: 684342

Ion Ratio Lower Upper

240 100

120 9.2 8.0 12.0

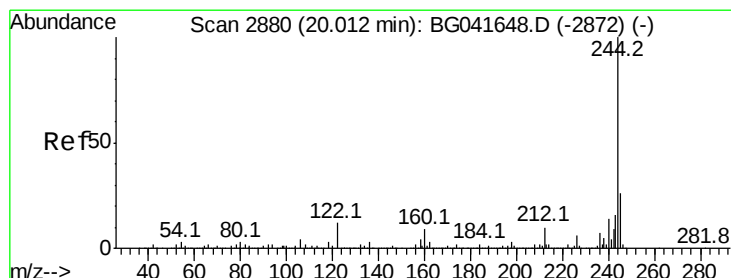
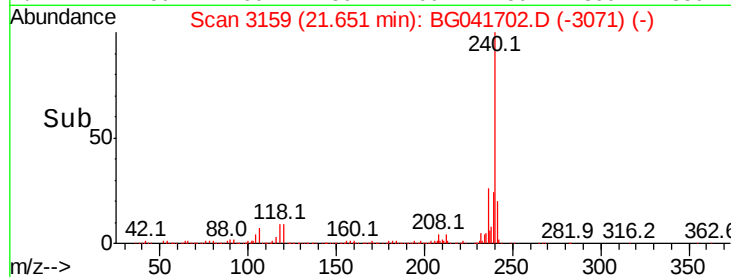
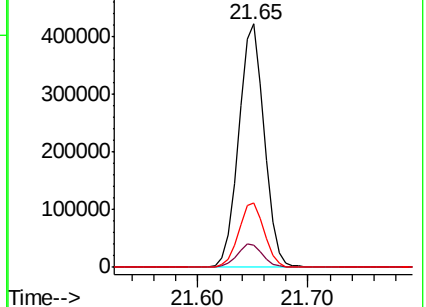
236 26.4 22.6 33.8



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: 77.927 ng

RT: 20.01 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG041702.D

Acq: 18 Jul 2019 00:12

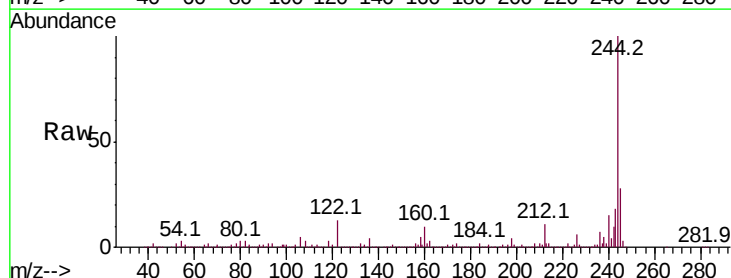
Tgt Ion:244 Resp: 2282057

Ion Ratio Lower Upper

244 100

212 10.7 9.7 14.5

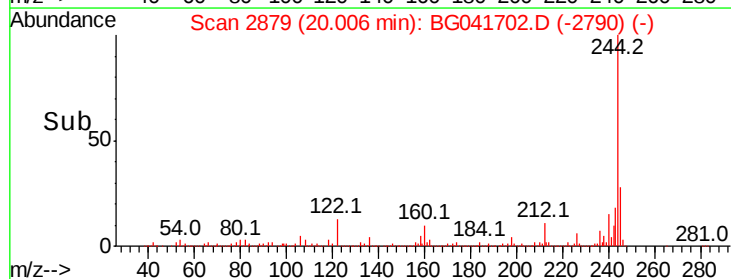
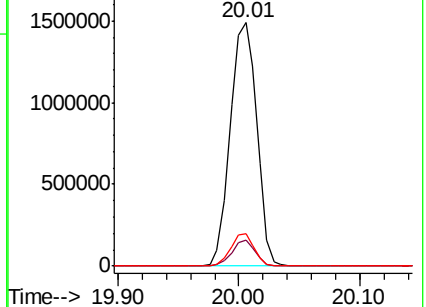
122 13.2 12.5 18.7

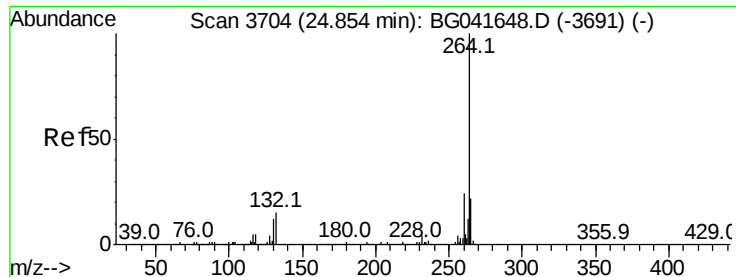


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.85 min Scan# 3703
Delta R.T. -0.02 min
Lab File: BG041702.D
Acq: 18 Jul 2019 00:12

Instrument :
BNA_G
ClientSampleId :
SB-12(6-8)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	22.1	18.0	27.0

