

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071719\
 Data File : BG041697.D
 Acq On : 17 Jul 2019 21:00
 Operator : HP/JU
 Sample : K3835-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 18 07:11:36 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

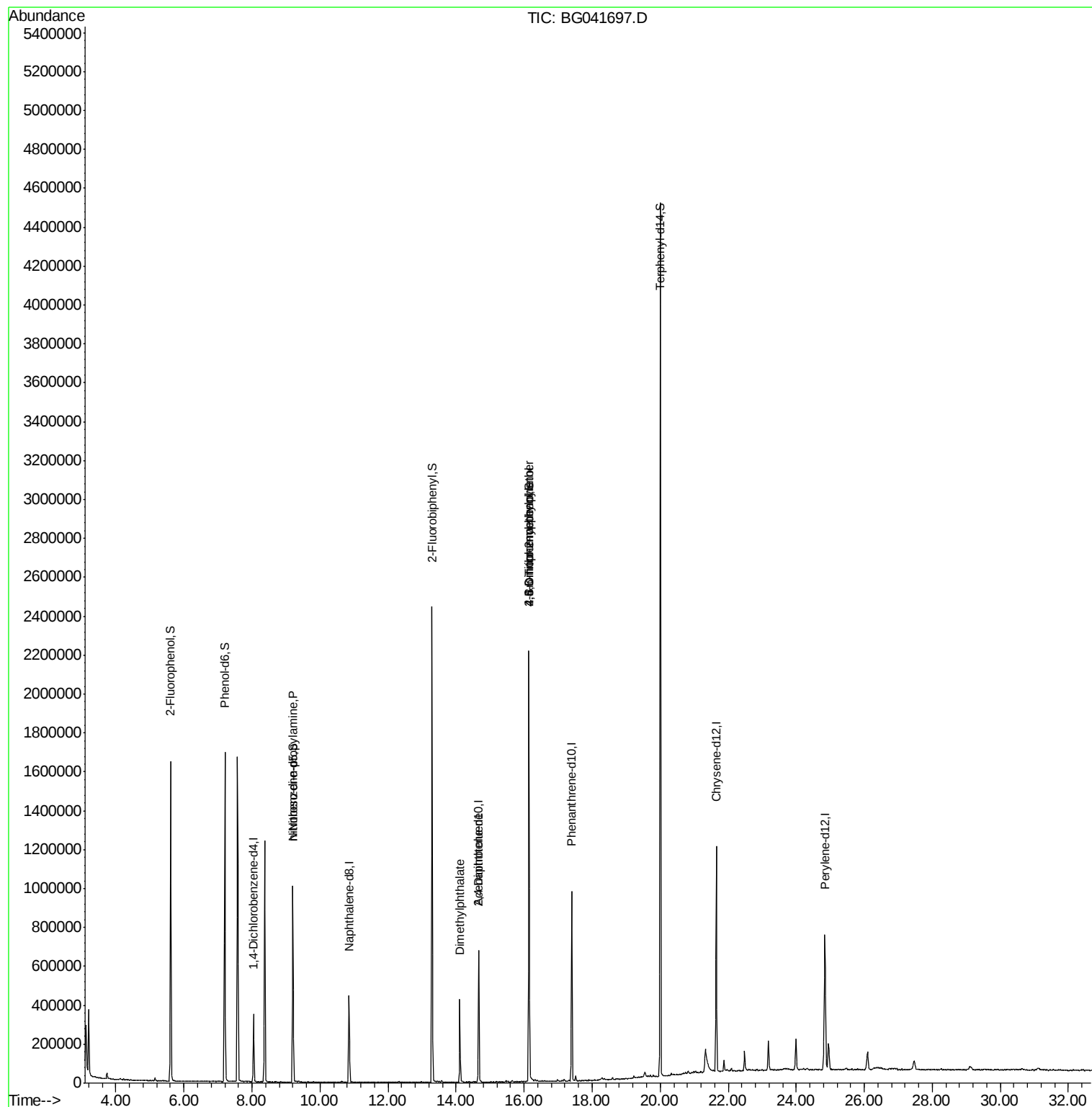
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	98634	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	397178	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	246038	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	624772	20.00	ng	0.00
76) Chrysene-d12	21.65	240	647164	20.00	ng	-0.01
87) Perylene-d12	24.84	264	733460	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	701900	116.33	ng	0.00
7) Phenol-d6	7.20	99	972473	119.83	ng	0.00
23) Nitrobenzene-d5	9.20	82	586598	89.82	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	402575	145.19	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	1273711	80.16	ng	0.00
79) Terphenyl-d14	20.00	244	2009886	72.58	ng	0.00
Target Compounds						
9) Benzaldehyde	7.20	77	1894	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	9.20	70	80873	13.634 ng	#	73
50) Dimethylphthalate	14.11	163	300913	15.572 ng	#	98
57) 2,4-Dinitrotoluene	14.66	165	33267	6.140 ng	#	28
65) 4,6-Dinitro-2-methylphenol	16.14	198	1284	7.047 ng	#	1
67) 4-Bromophenyl-phenylether	16.14	248	31461	4.232 ng	#	1
77) Benizidine	20.00	184	34667	Below Cal	#	95

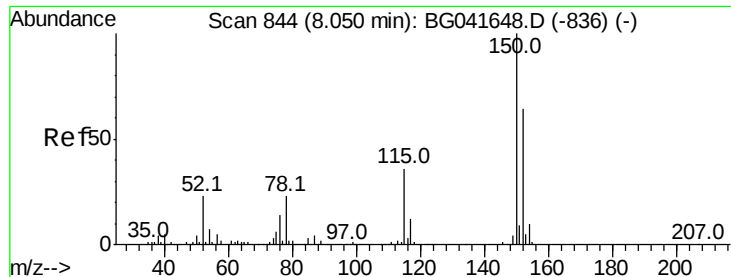
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG041697.D

Acq: 17 Jul 2019 21:00

Instrument :

BNA_G

ClientSampleId :

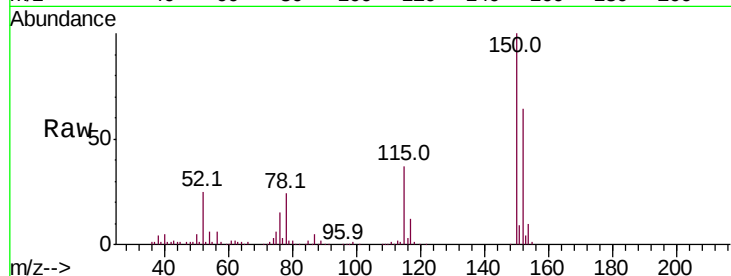
Tot Ion:152 Resp: 98634

Ion Ratio Lower Upper

152 100

150 156.1 126.9 190.3

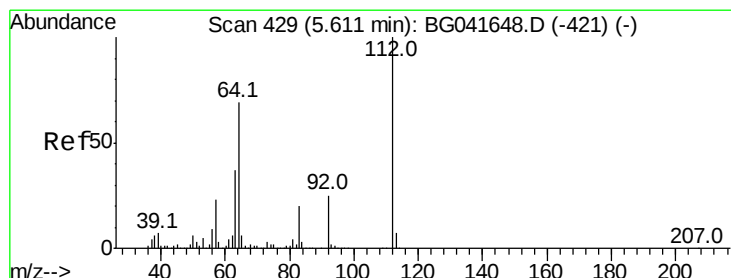
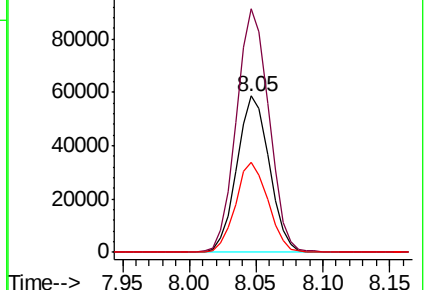
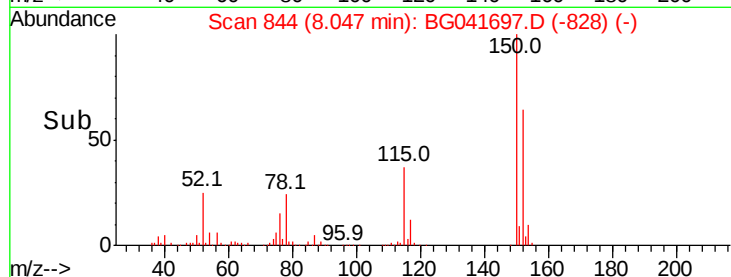
115 57.7 45.0 67.6



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: 116.332 ng

RT: 5.61 min Scan# 429

Delta R.T. -0.00 min

Lab File: BG041697.D

Acq: 17 Jul 2019 21:00

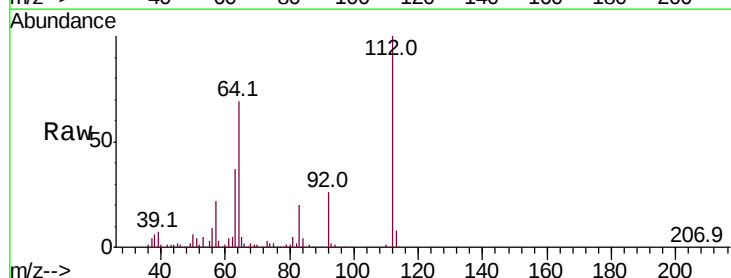
Tgt Ion:112 Resp: 701900

Ion Ratio Lower Upper

112 100

64 69.1 55.4 83.2

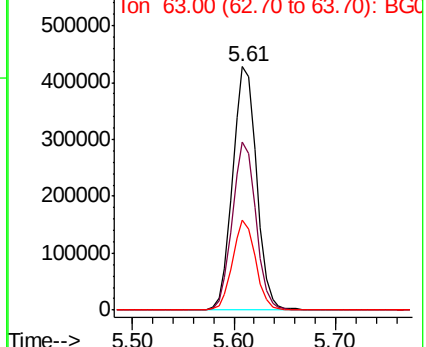
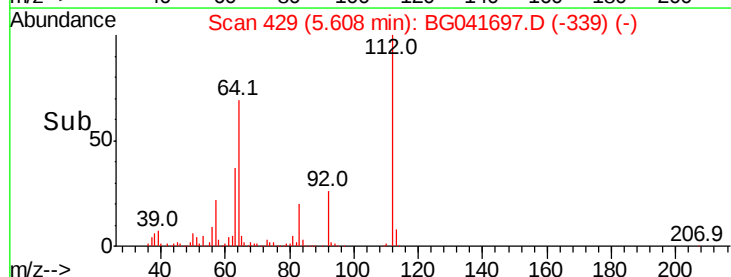
63 37.0 29.1 43.7

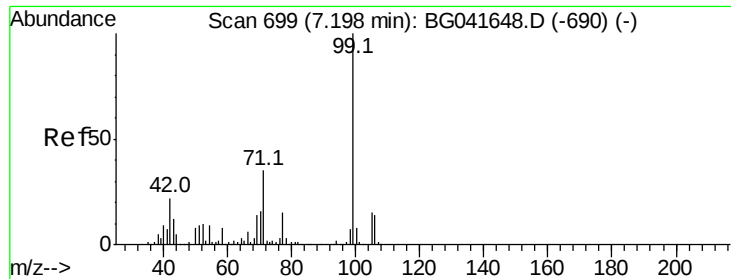


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 119.830 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG041697.D

Acq: 17 Jul 2019 21:00

Instrument :

BNA_G

ClientSampleId :

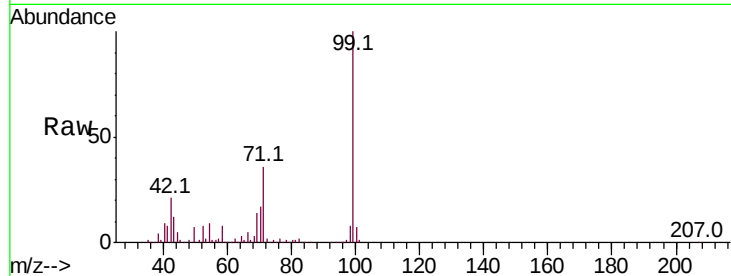
Tot Ion: 99 Resp: 972473

Ion Ratio Lower Upper

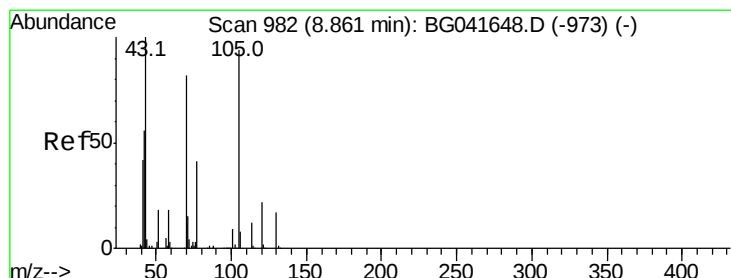
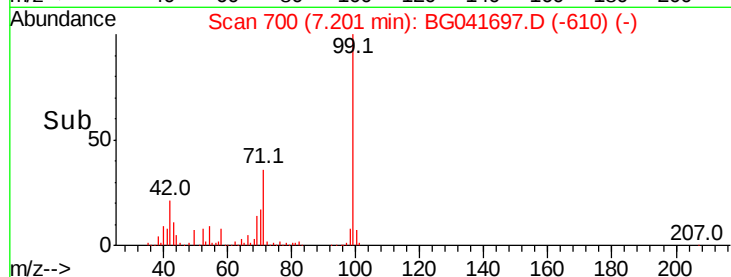
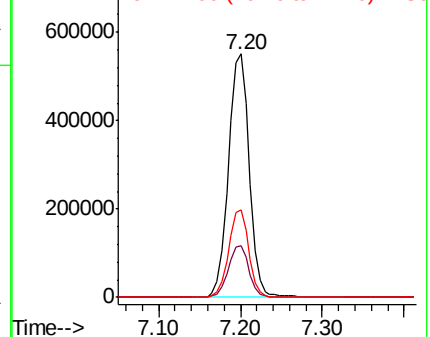
99 100

42 21.1 17.6 26.4

71 35.7 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: 13.634 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG041697.D

Acq: 17 Jul 2019 21:00

Tgt Ion: 70 Resp: 80873

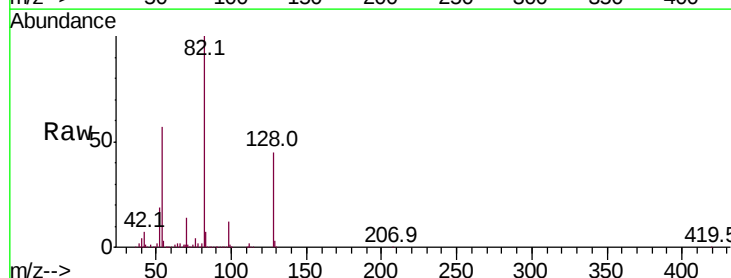
Ion Ratio Lower Upper

70 100

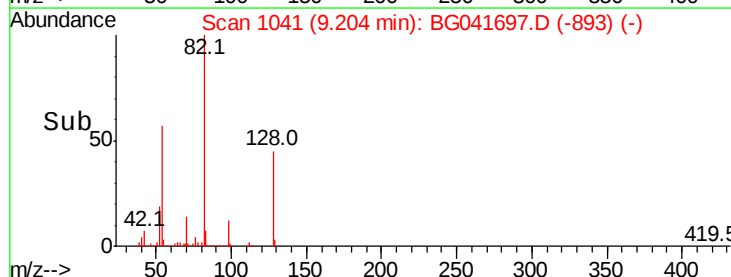
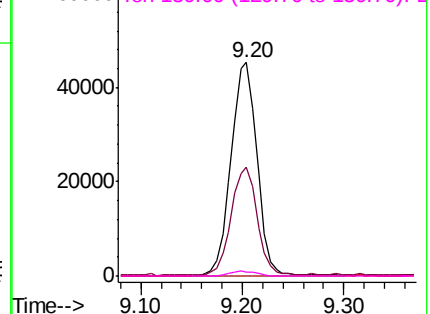
42 51.3 55.8 83.6#

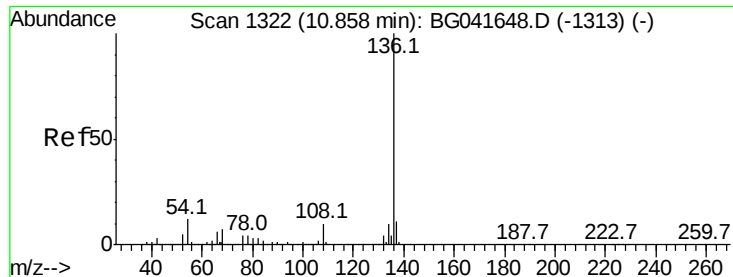
101 0.0 8.1 12.1#

130 2.1 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: 10.86 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BG041697.D

Acq: 17 Jul 2019 21:00

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 397178

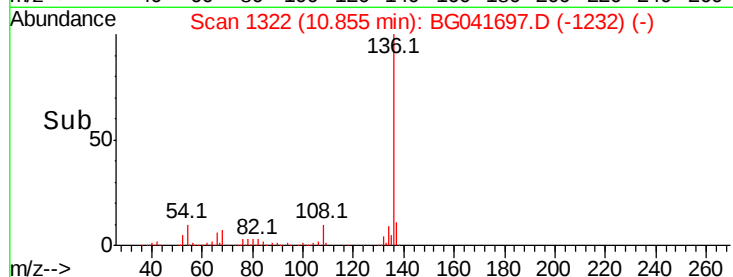
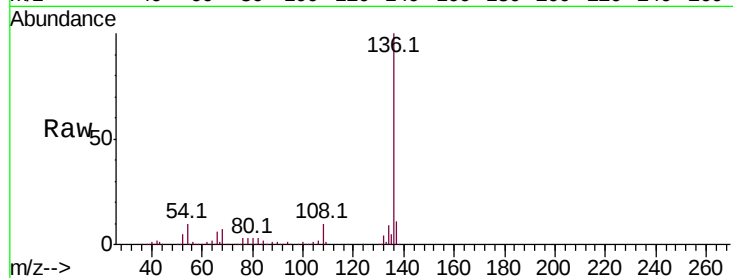
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 10.1 8.7 13.1

68 6.5 5.5 8.3

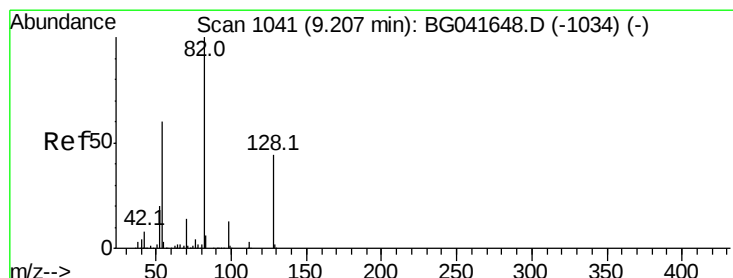
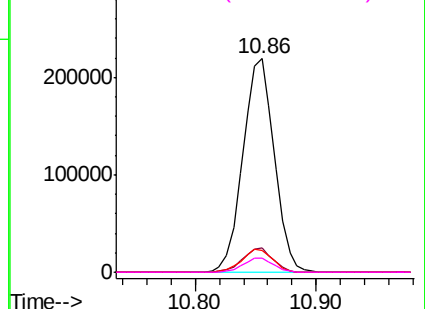


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.819 ng

RT: 9.20 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BG041697.D

Acq: 17 Jul 2019 21:00

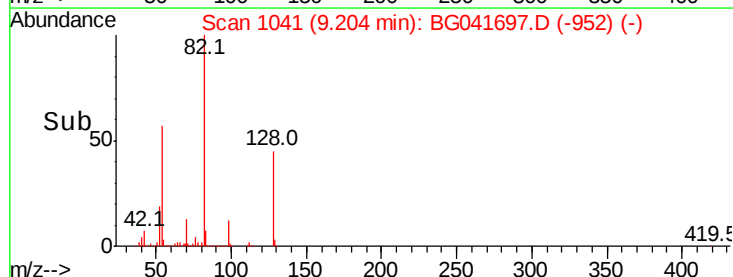
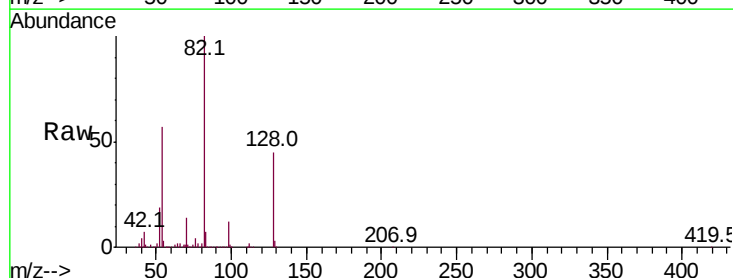
Tgt Ion: 82 Resp: 586598

Ion Ratio Lower Upper

82 100

128 44.8 35.1 52.7

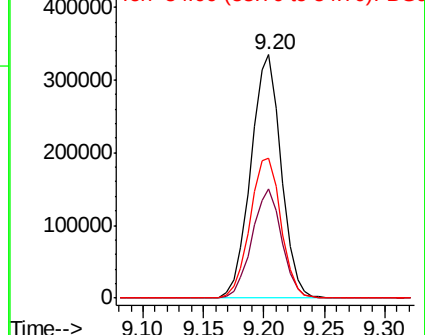
54 57.2 48.7 73.1

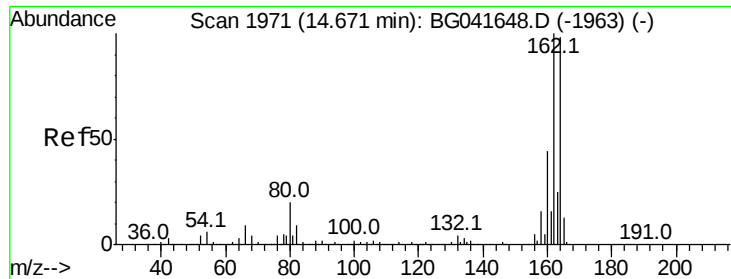


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

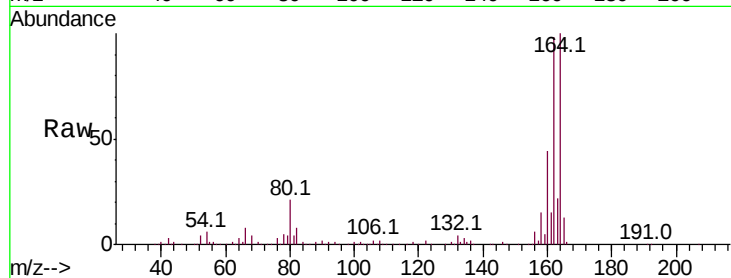




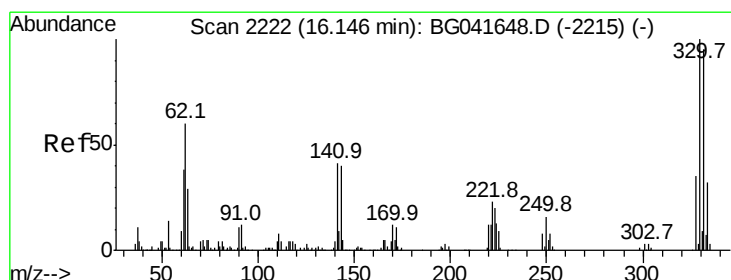
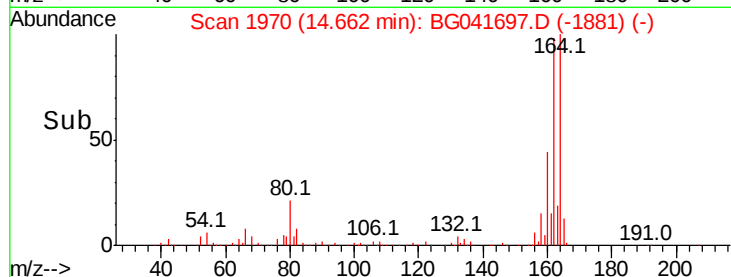
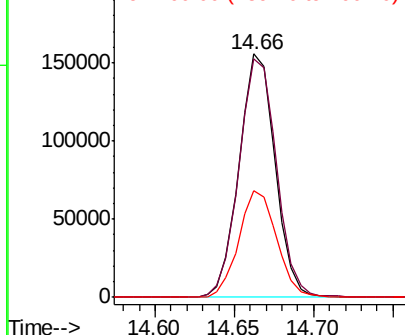
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.01 min
 Lab File: BG041697.D
 Acq: 17 Jul 2019 21:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:164 Resp: 246038
 Ion Ratio Lower Upper
 164 100
 162 98.2 79.6 119.4
 160 43.9 35.4 53.0

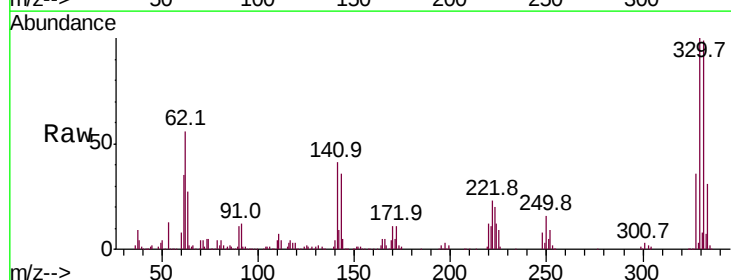


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

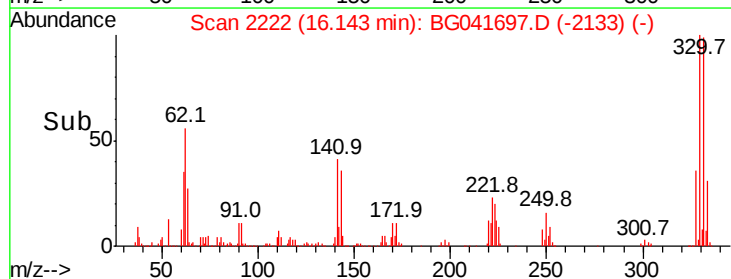
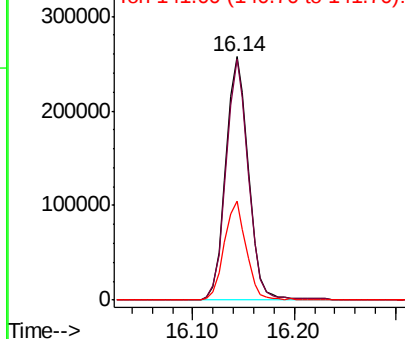


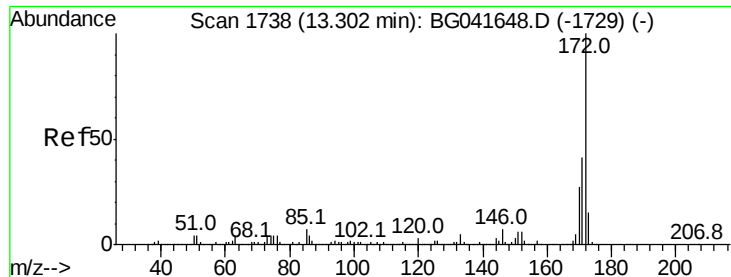
#42
 2,4,6-Tribromophenol
 Concen: 145.187 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.01 min
 Lab File: BG041697.D
 Acq: 17 Jul 2019 21:00

Tgt Ion:330 Resp: 402575
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.4 116.0
 141 39.6 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

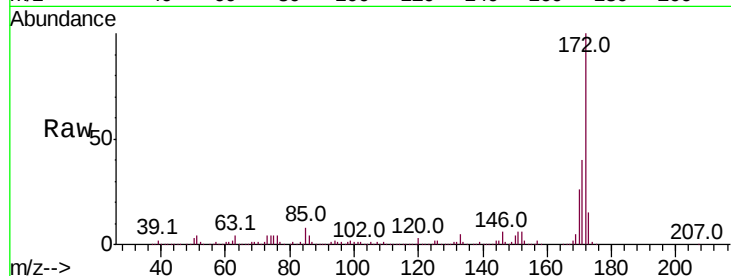




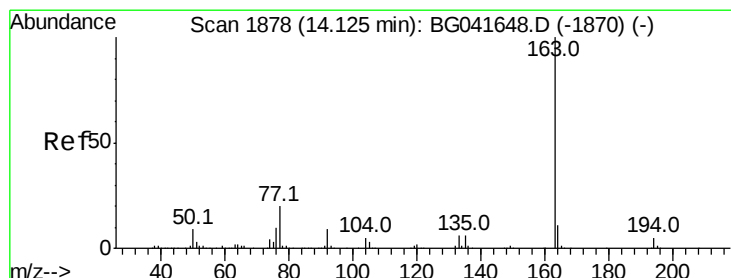
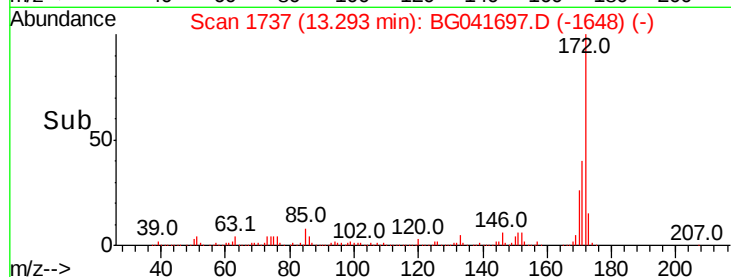
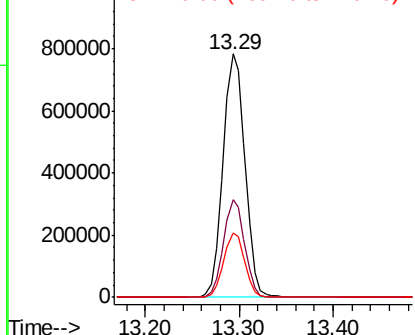
#45
2-Fluorobiphenyl
Concen: 80.164 ng
RT: 13.29 min Scan# 1737
Delta R.T. -0.01 min
Lab File: BG041697.D
Acq: 17 Jul 2019 21:00

Instrument :
BNA_G
ClientSampled :

Tot Ion:172 Resp: 1273711
Ion Ratio Lower Upper
172 100
171 40.2 35.0 52.4
170 26.5 23.5 35.3

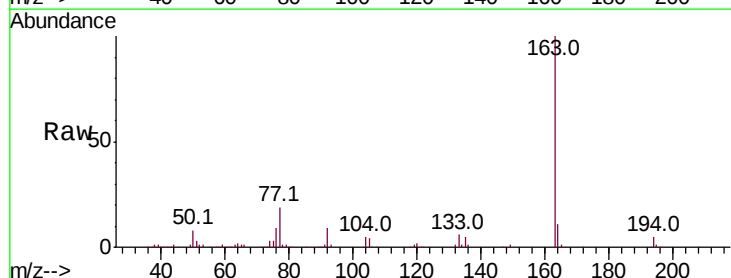


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

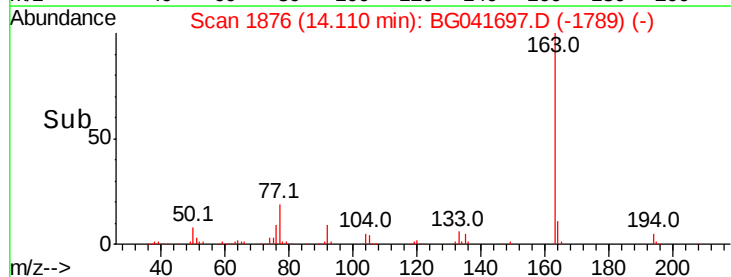
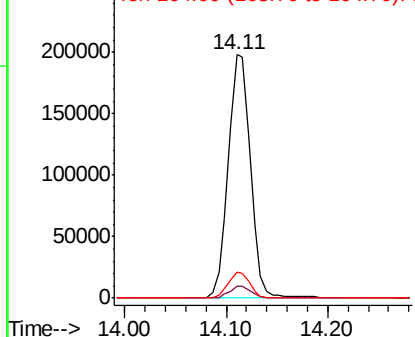


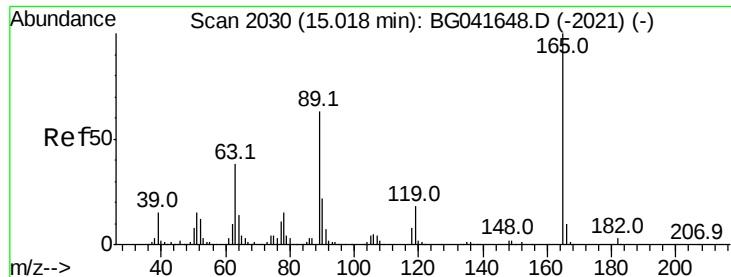
#50
Dimethylphthalate
Concen: 15.572 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.02 min
Lab File: BG041697.D
Acq: 17 Jul 2019 21:00

Tgt Ion:163 Resp: 300913
Ion Ratio Lower Upper
163 100
194 5.0 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

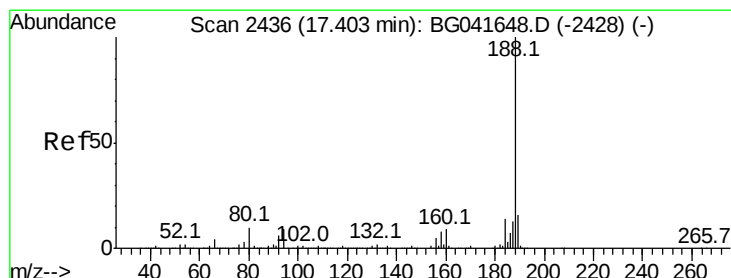
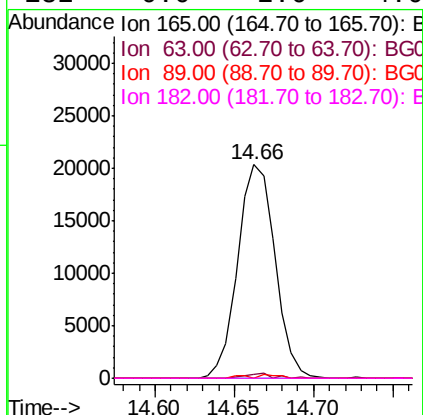
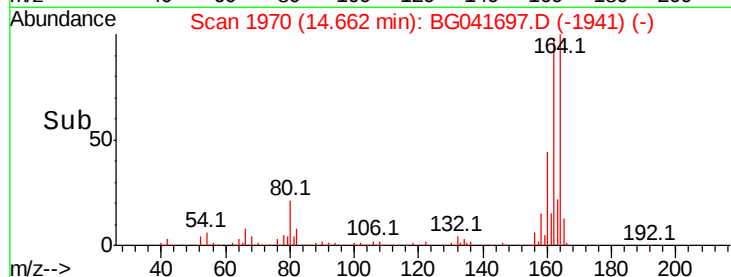
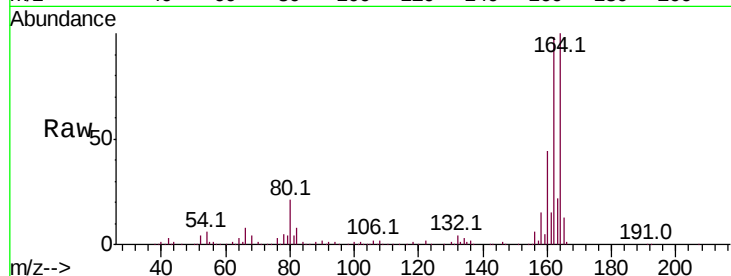




#57
 2,4-Dinitrotoluene
 Concen: 6.140 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG041697.D
 Acq: 17 Jul 2019 21:00

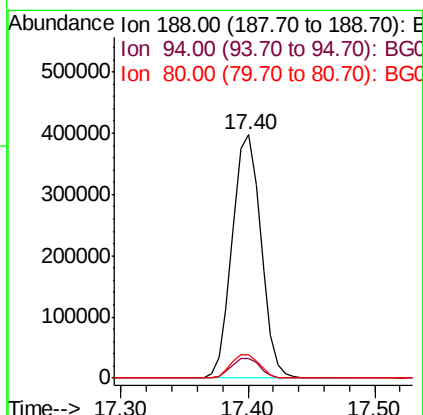
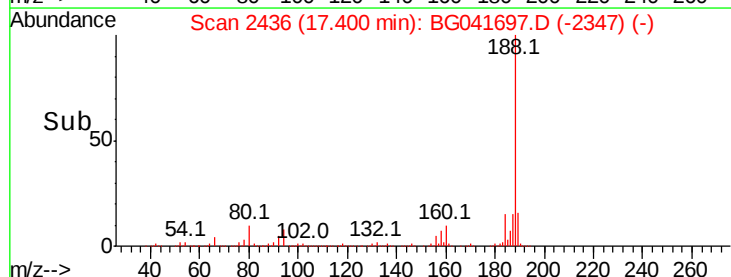
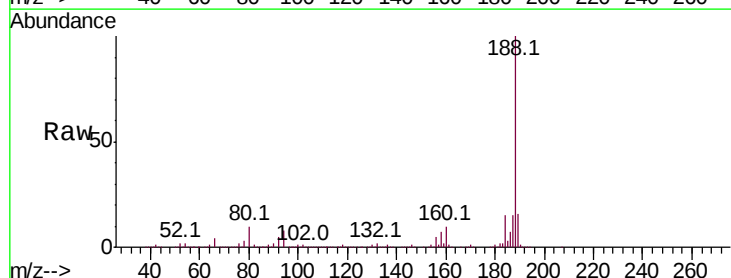
Instrument :
 BNA_G
 ClientSampleId :

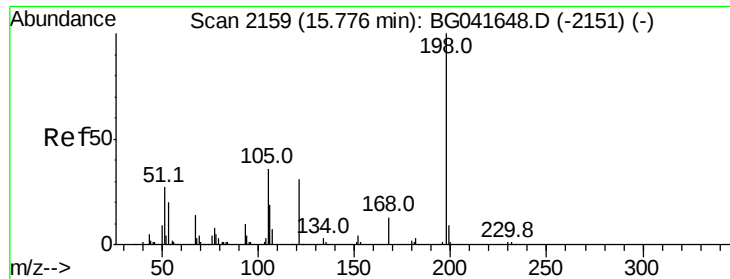
Tot Ion:165 Resp: 33267
 Ion Ratio Lower Upper
 165 100
 63 1.7 31.7 47.5#
 89 0.0 50.2 75.4#
 182 0.0 2.6 4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2436
 Delta R.T. -0.01 min
 Lab File: BG041697.D
 Acq: 17 Jul 2019 21:00

Tgt Ion:188 Resp: 624772
 Ion Ratio Lower Upper
 188 100
 94 8.2 6.9 10.3
 80 9.5 8.0 12.0

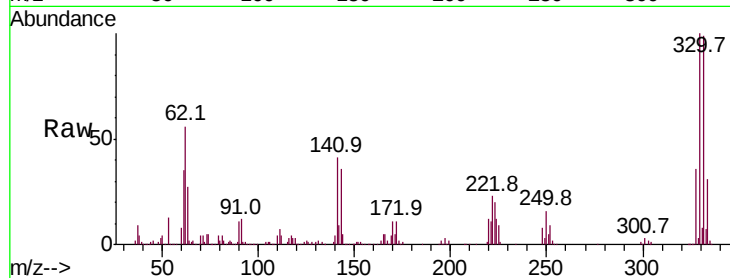




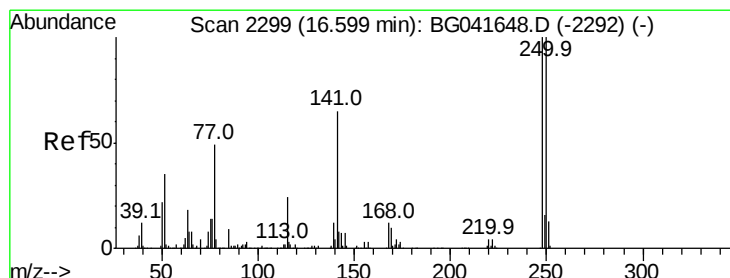
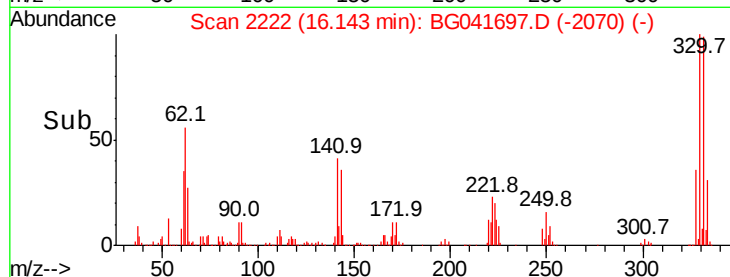
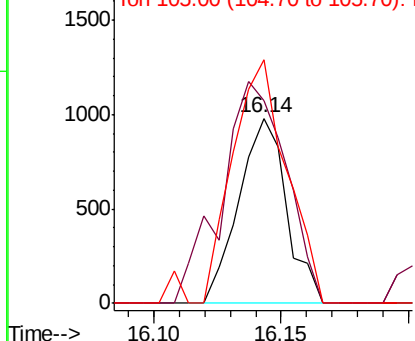
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.047 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. 0.36 min
 Lab File: BG041697.D
 Acq: 17 Jul 2019 21:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 1284
 Ion Ratio Lower Upper
 198 100
 51 109.4 22.3 62.3#
 105 131.5 18.0 58.0#

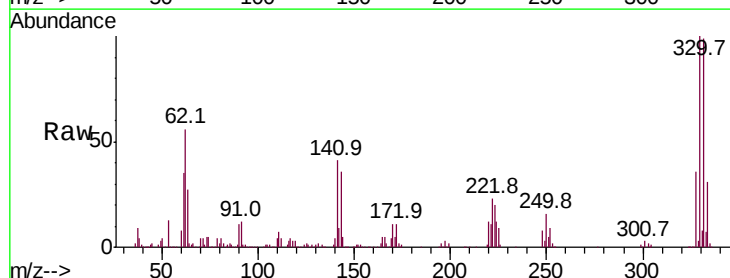


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

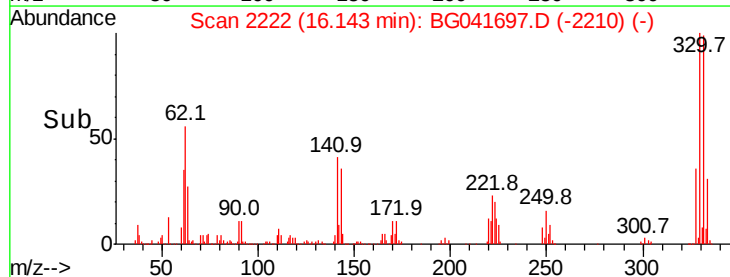
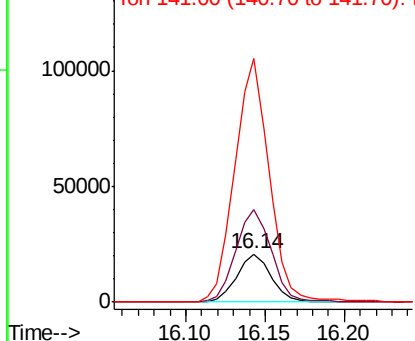


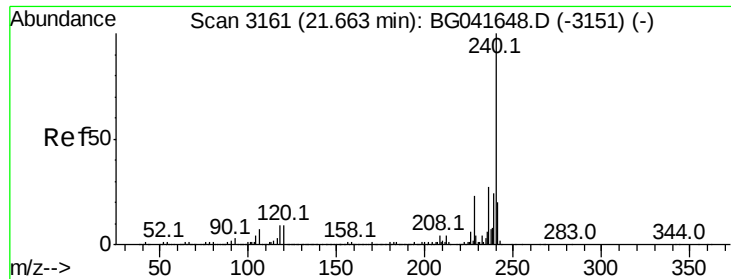
#67
 4-Bromophenyl-phenylether
 Concen: 4.232 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.46 min
 Lab File: BG041697.D
 Acq: 17 Jul 2019 21:00

Tgt Ion:248 Resp: 31461
 Ion Ratio Lower Upper
 248 100
 250 192.5 78.1 117.1#
 141 504.2 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: BG041697.D

Acq: 17 Jul 2019 21:00

Instrument :

BNA_G

ClientSampleId :

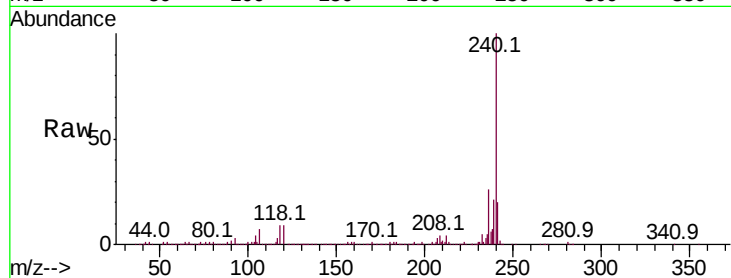
Tot Ion:240 Resp: 647164

Ion Ratio Lower Upper

240 100

120 9.4 8.0 12.0

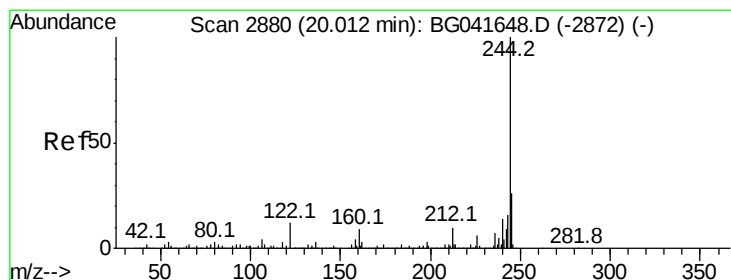
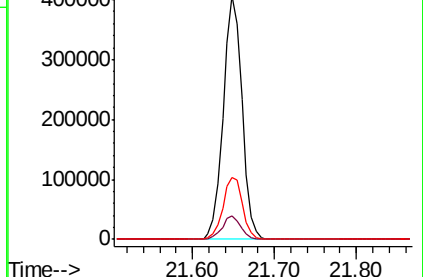
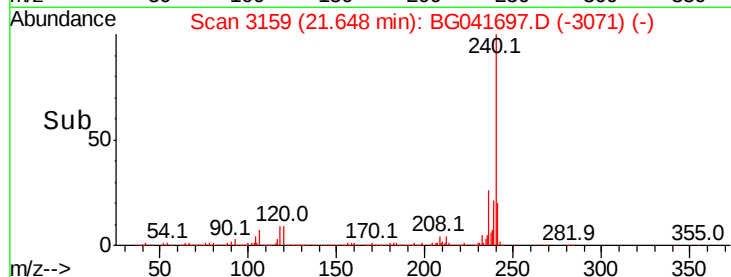
236 25.6 22.6 33.8



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: 72.576 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG041697.D

Acq: 17 Jul 2019 21:00

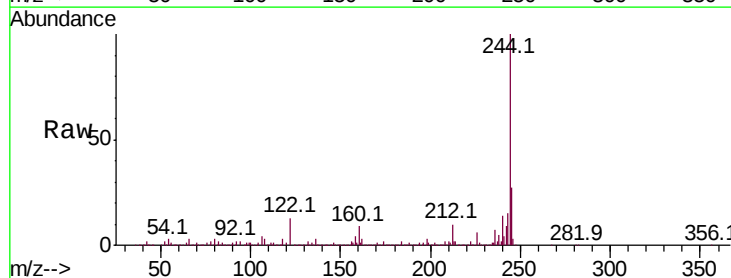
Tgt Ion:244 Resp: 2009886

Ion Ratio Lower Upper

244 100

212 9.8 9.7 14.5

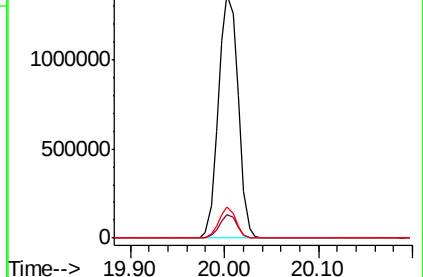
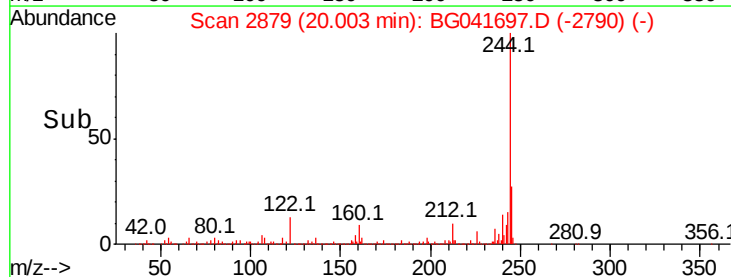
122 12.6 12.5 18.7

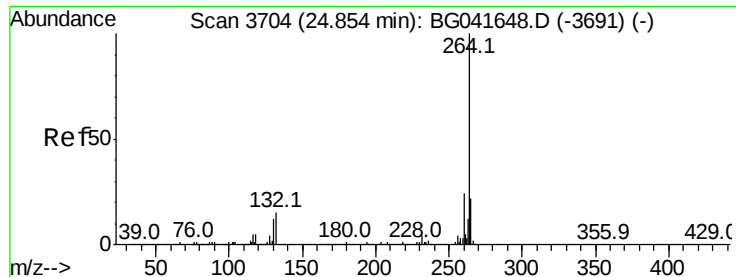


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3703
Delta R.T. -0.02 min
Lab File: BG041697.D
Acq: 17 Jul 2019 21:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	22.5	18.0	27.0

