

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\
 Data File : BG042600.D
 Acq On : 30 Aug 2019 14:47
 Operator : HP/JU
 Sample : K4471-16
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 30 16:18:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

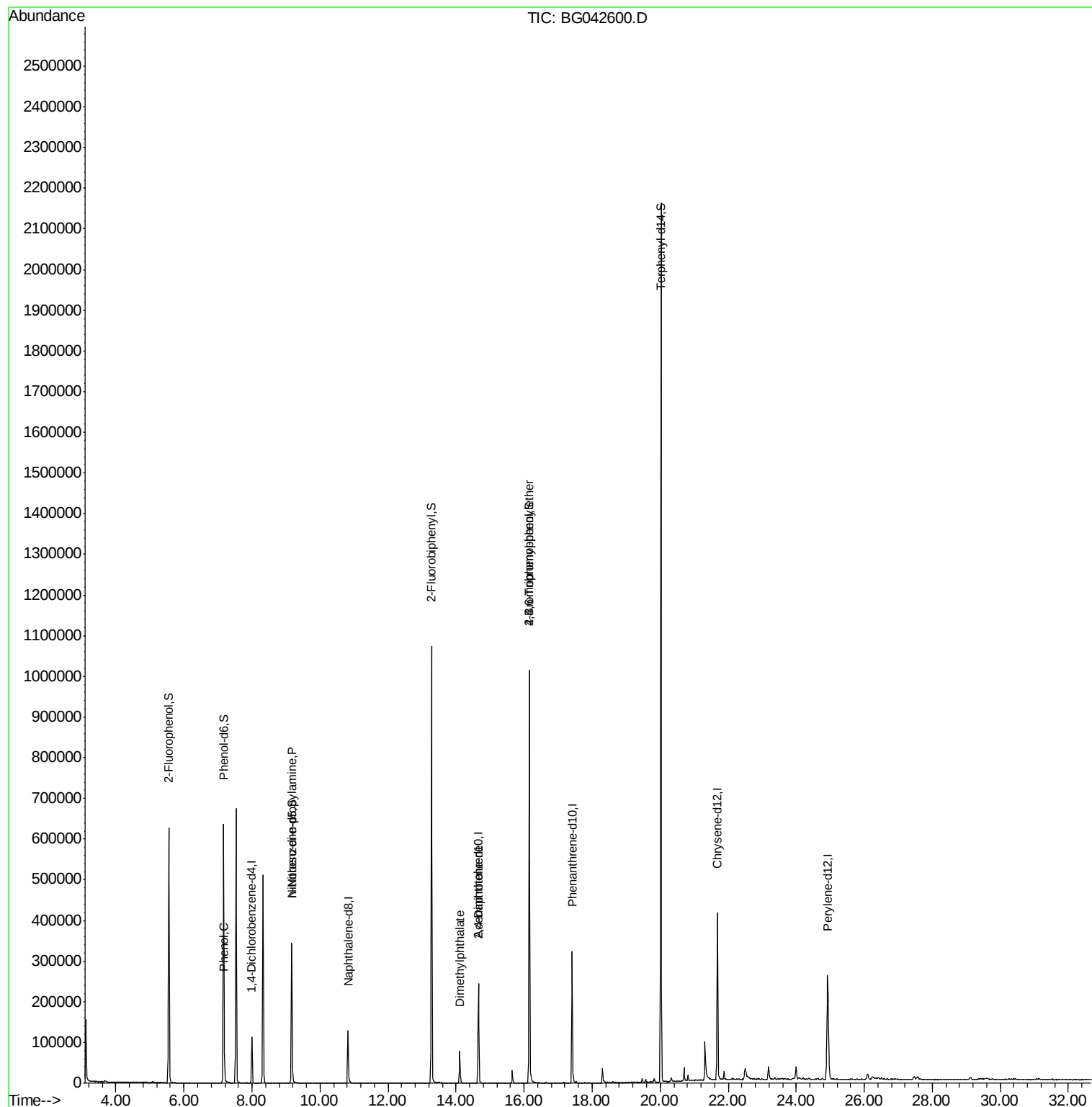
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	37579	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	138361	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	101851	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	238608	20.00	ng	0.00
76) Chrysene-d12	21.68	240	266188	20.00	ng	-0.01
87) Perylene-d12	24.92	264	311838	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	306835	165.37	ng	0.00
7) Phenol-d6	7.17	99	407418	162.55	ng	0.00
23) Nitrobenzene-d5	9.17	82	227463	113.61	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	259086	178.97	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	643748	106.90	ng	0.00
79) Terphenyl-d14	20.02	244	1133131	92.03	ng	0.00
Target Compounds						
10) Phenol	7.19	94	10596	4.158	ng	# 62
19) n-Nitroso-di-n-propylamine	9.17	70	30777	18.954	ng	# 73
50) Dimethylphthalate	14.10	163	75390	10.259	ng	# 98
57) 2,4-Dinitrotoluene	14.66	165	13448	5.513	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	16731	5.528	ng	# 1

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

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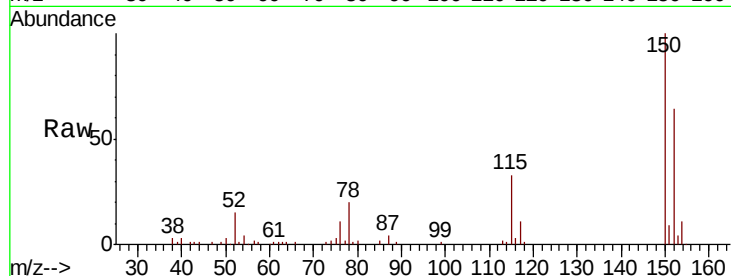


#1

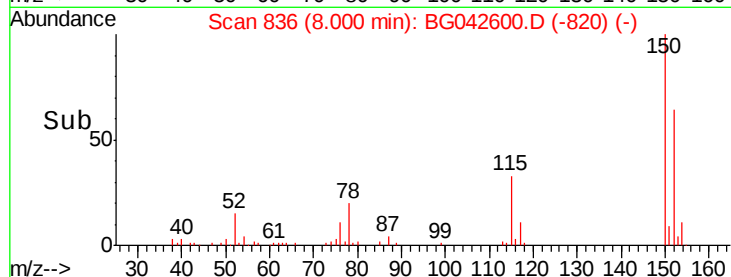
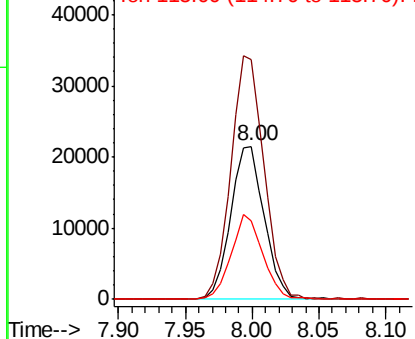
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042600.D
Acq: 30 Aug 2019 14:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 37579
Ion Ratio Lower Upper
152 100
150 156.7 125.4 188.0
115 51.0 38.5 57.7



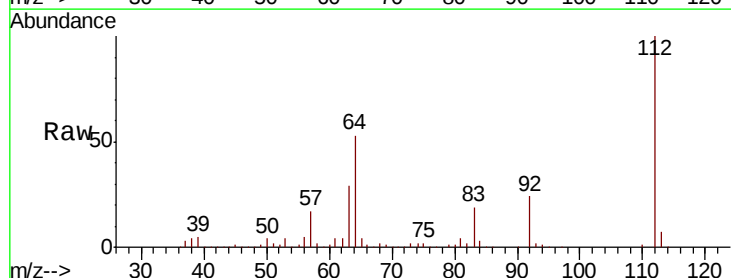
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



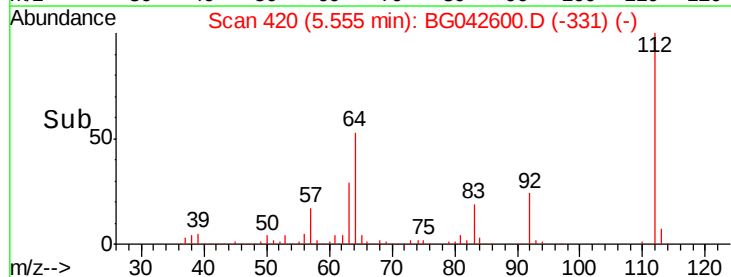
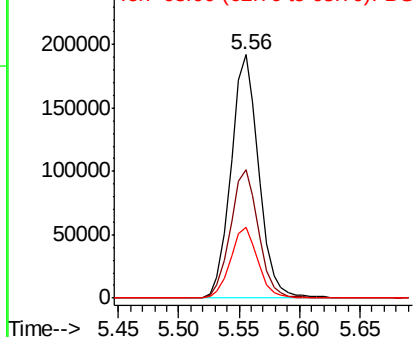
#5

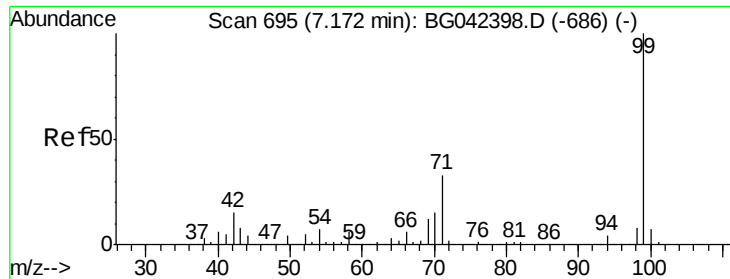
2-Fluorophenol
Concen: 165.366 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042600.D
Acq: 30 Aug 2019 14:47

Tgt Ion:112 Resp: 306835
Ion Ratio Lower Upper
112 100
64 52.8 42.8 64.2
63 29.4 22.7 34.1



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: 162.555 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042600.D

Acq: 30 Aug 2019 14:47

Instrument :

BNA_G

ClientSampleId :

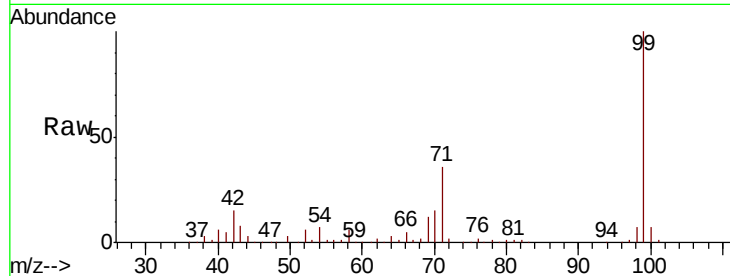
Tot Ion: 99 Resp: 407418

Ion Ratio Lower Upper

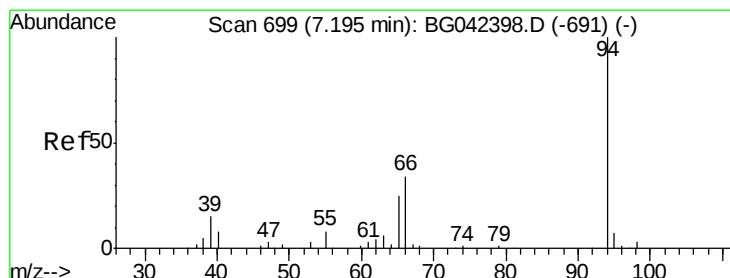
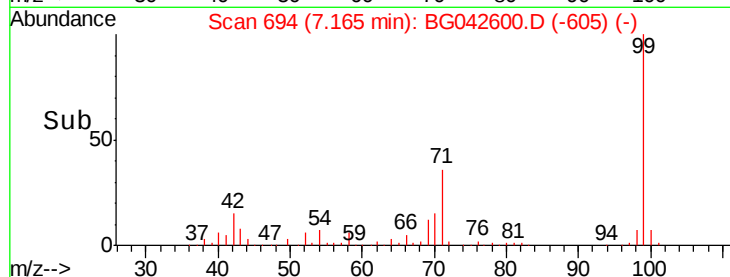
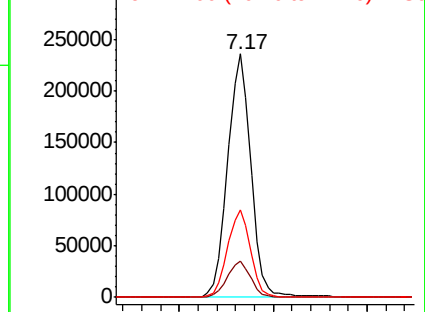
99 100

42 15.0 12.0 18.0

71 35.8 26.3 39.5



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



#10

Phenol

Concen: 4.158 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042600.D

Acq: 30 Aug 2019 14:47

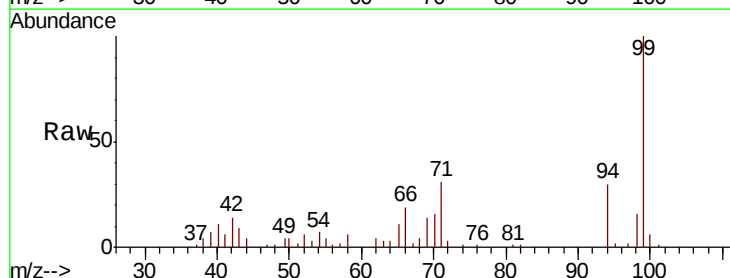
Tgt Ion: 94 Resp: 10596

Ion Ratio Lower Upper

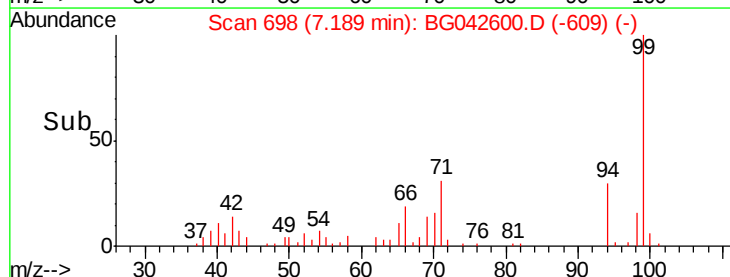
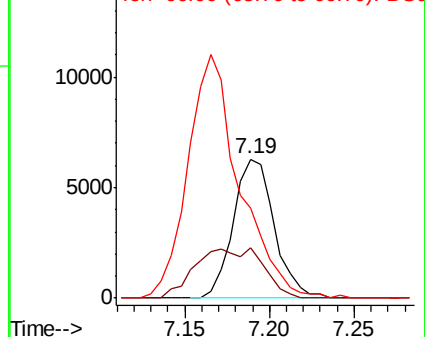
94 100

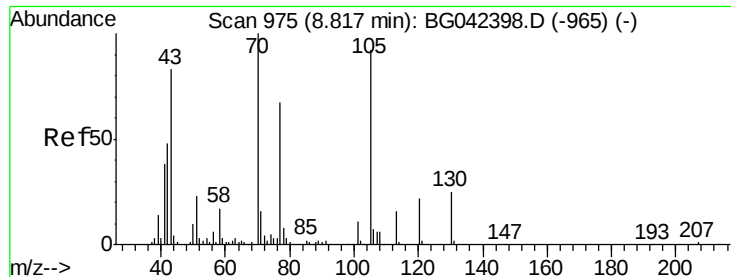
65 36.5 5.6 45.6

66 64.8 16.0 56.0#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 18.954 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042600.D

Acq: 30 Aug 2019 14:47

Instrument :

BNA_G

ClientSampled :

Tot Ion: 70 Resp: 30777

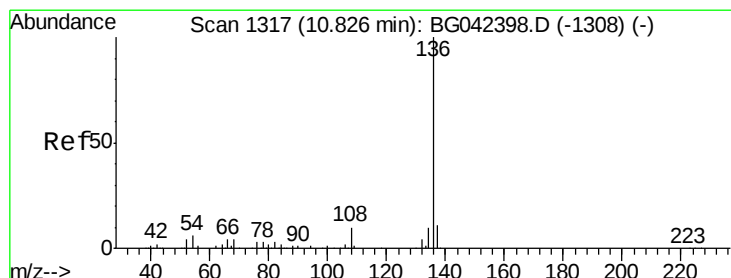
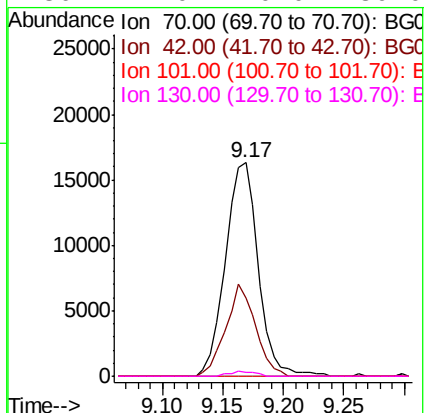
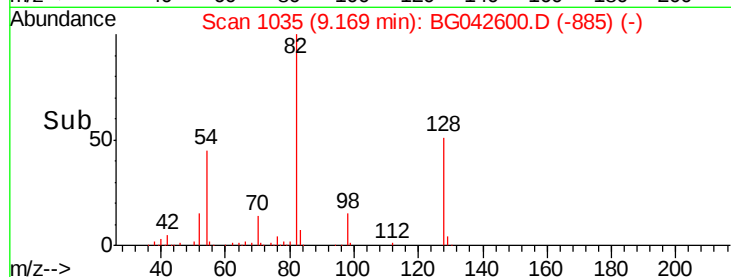
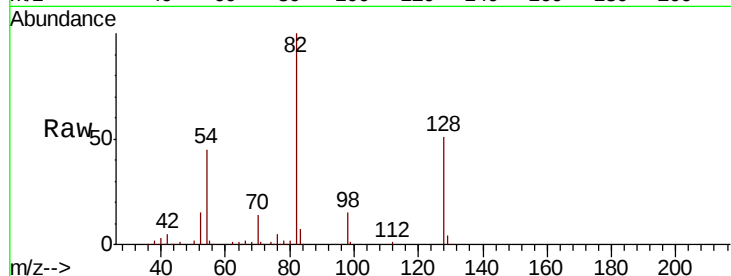
Ion Ratio Lower Upper

70 100

42 36.7 38.8 58.2#

101 0.0 9.0 13.6#

130 2.0 20.0 30.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BG042600.D

Acq: 30 Aug 2019 14:47

Tgt Ion: 136 Resp: 138361

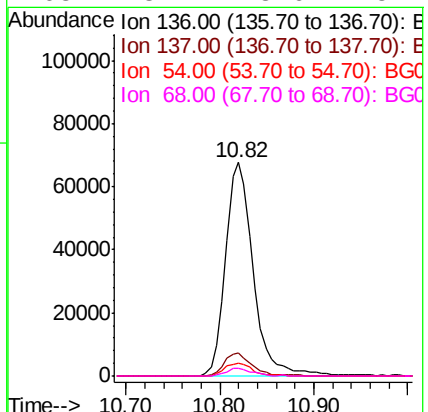
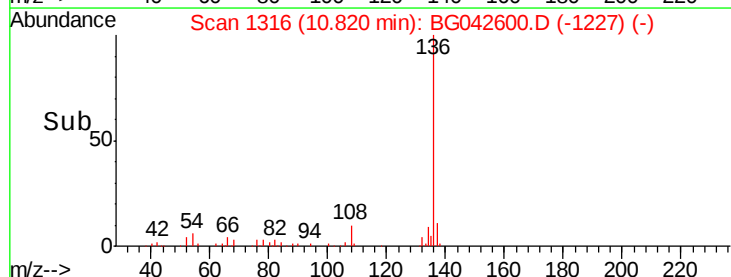
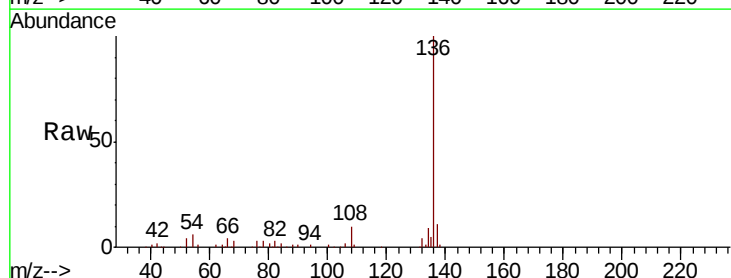
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 5.9 4.9 7.3

68 3.4 3.6 5.4#

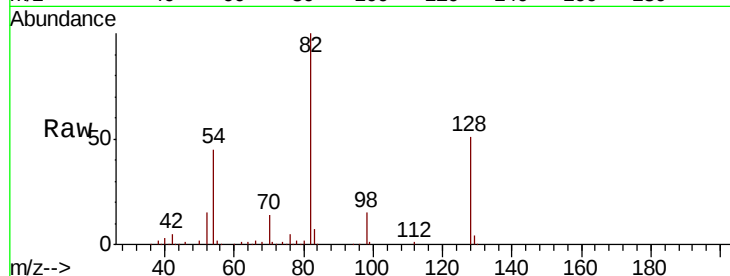




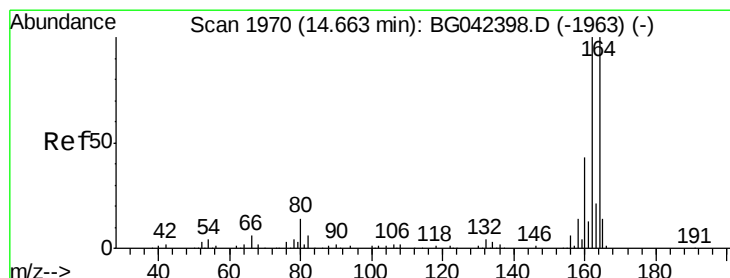
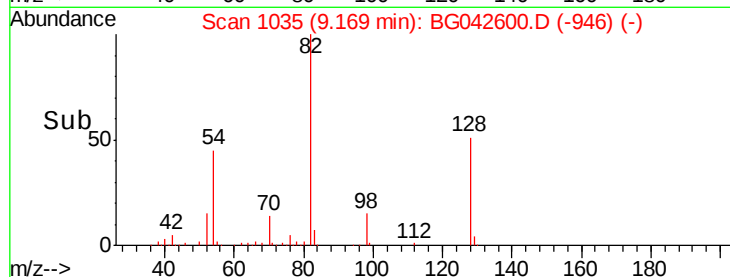
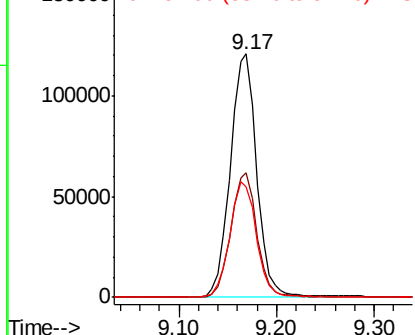
#23
Nitrobenzene-d5
Concen: 113.606 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042600.D
Acq: 30 Aug 2019 14:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 227463
Ion Ratio Lower Upper
82 100
128 51.3 40.7 61.1
54 45.5 36.3 54.5

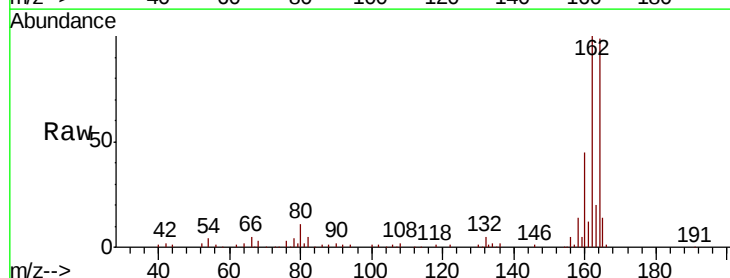


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

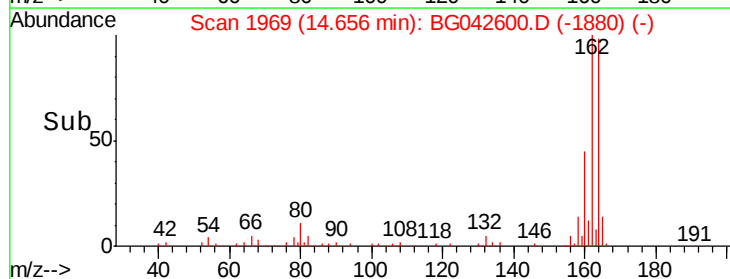
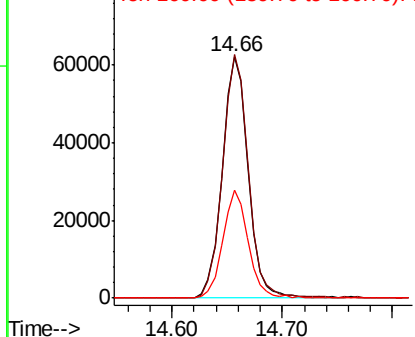


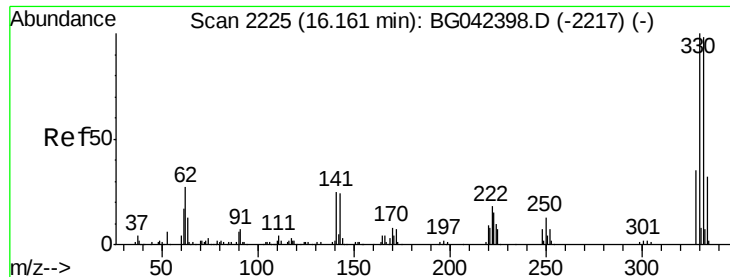
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042600.D
Acq: 30 Aug 2019 14:47

Tgt Ion:164 Resp: 101851
Ion Ratio Lower Upper
164 100
162 100.8 79.9 119.9
160 44.9 34.3 51.5



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

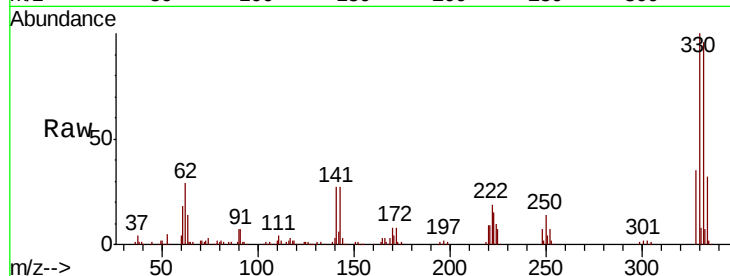




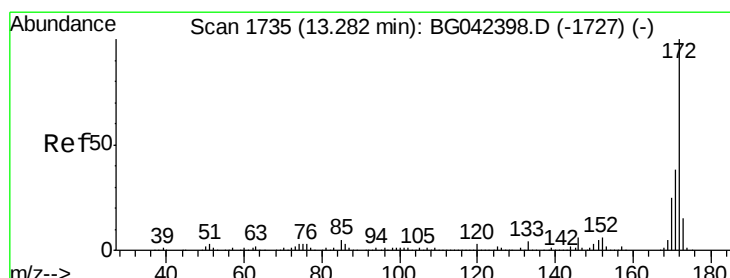
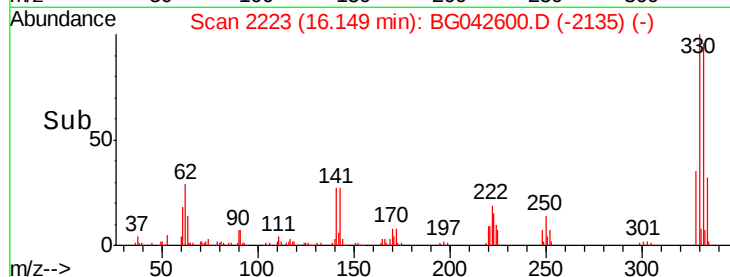
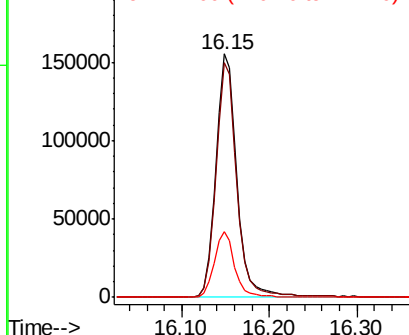
#42
 2,4,6-Tribromophenol
 Concen: 178.971 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042600.D
 Acq: 30 Aug 2019 14:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.4	116.0
141	26.3	21.4	32.0

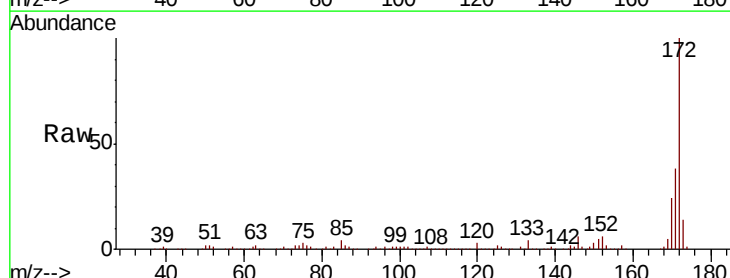


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

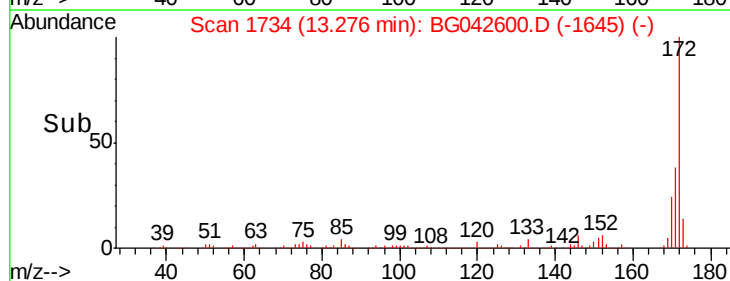
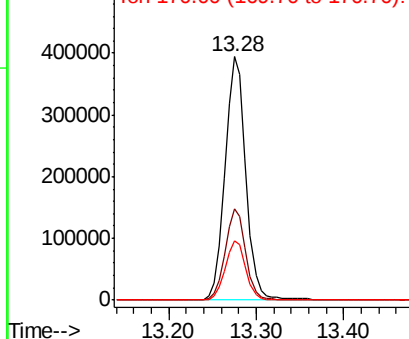


#45
 2-Fluorobiphenyl
 Concen: 106.897 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042600.D
 Acq: 30 Aug 2019 14:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.5	45.7
170	24.4	20.2	30.2



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

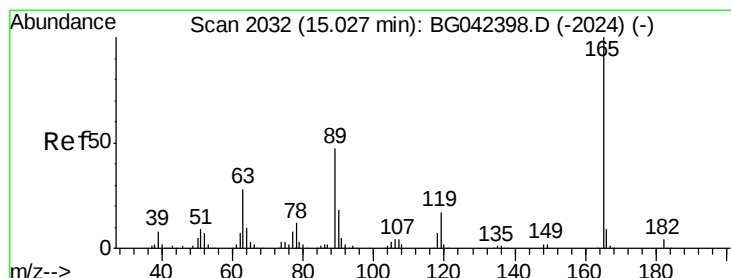
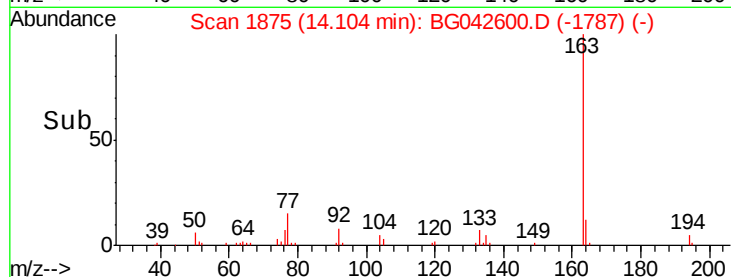
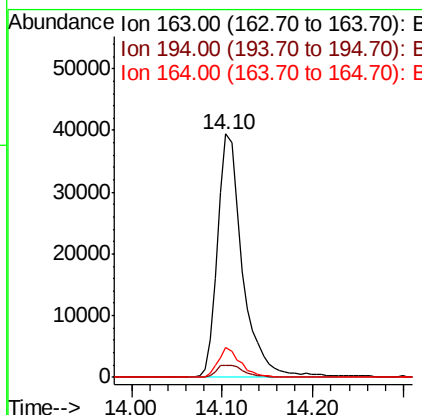
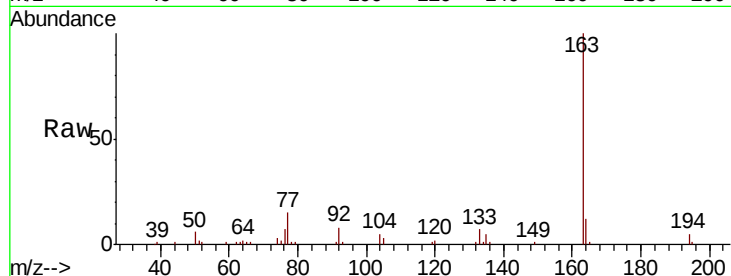




#50
Dimethylphthalate
Concen: 10.259 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042600.D
Acq: 30 Aug 2019 14:47

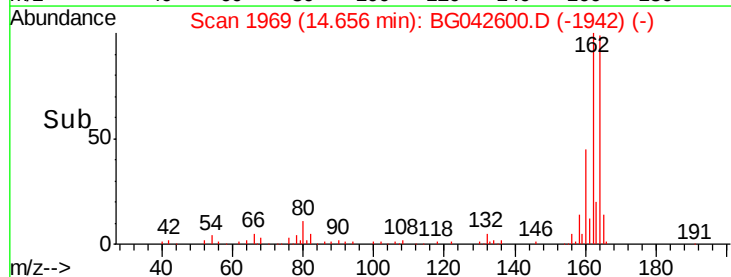
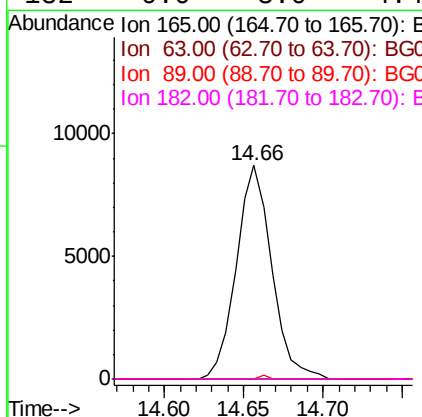
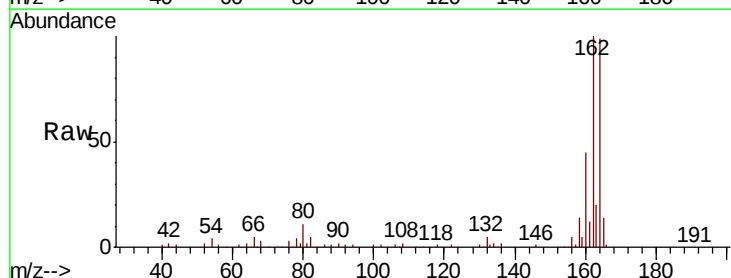
Instrument :
BNA_G
ClientSampled :

Tot Ion:163 Resp: 75390
Ion Ratio Lower Upper
163 100
194 5.1 4.2 6.2
164 12.1 8.8 13.2



#57
2,4-Dinitrotoluene
Concen: 5.513 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.37 min
Lab File: BG042600.D
Acq: 30 Aug 2019 14:47

Tgt Ion:165 Resp: 13448
Ion Ratio Lower Upper
165 100
63 0.0 22.5 33.7#
89 0.0 37.8 56.6#
182 0.0 3.0 4.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG042600.D

Acq: 30 Aug 2019 14:47

Instrument :

BNA_G

ClientSampleId :

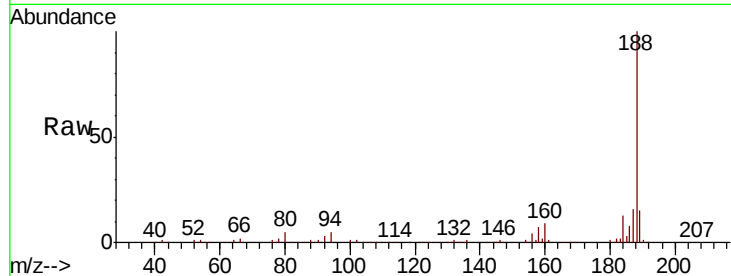
Tot Ion:188 Resp: 238608

Ion Ratio Lower Upper

188 100

94 5.0 4.5 6.7

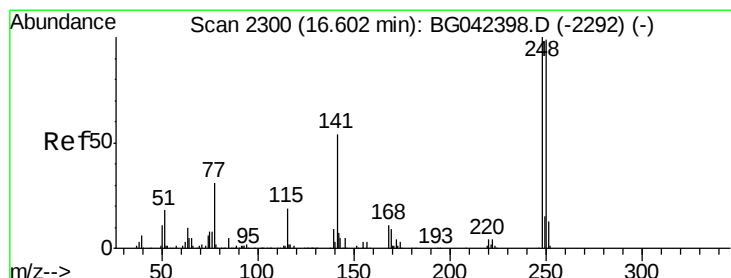
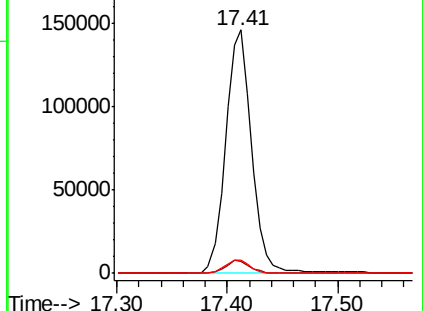
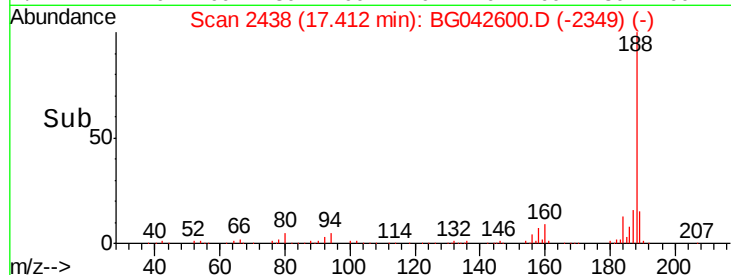
80 5.4 4.9 7.3



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



#67

4-Bromophenyl-phenylether

Concen: 5.528 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042600.D

Acq: 30 Aug 2019 14:47

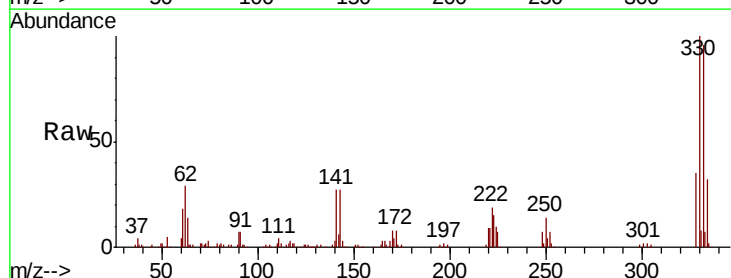
Tgt Ion:248 Resp: 16731

Ion Ratio Lower Upper

248 100

250 218.3 78.9 118.3#

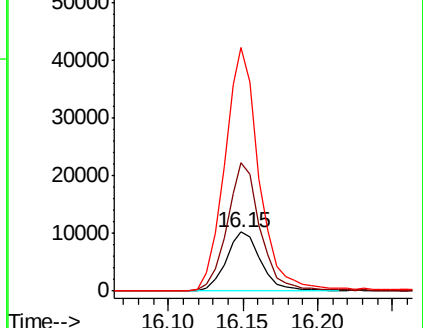
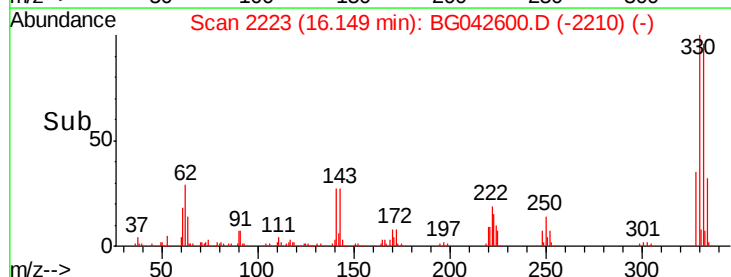
141 412.6 43.3 64.9#



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: 21.68 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG042600.D

Acq: 30 Aug 2019 14:47

Instrument :

BNA_G

ClientSampled :

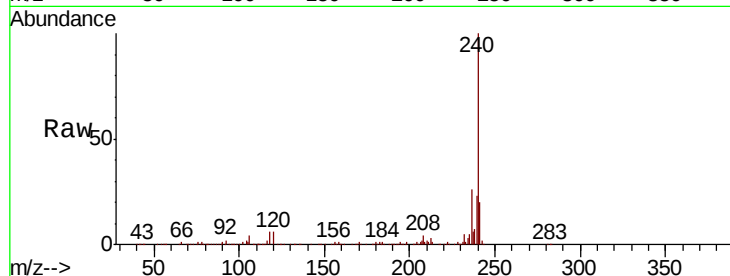
Tot Ion:240 Resp: 266188

Ion Ratio Lower Upper

240 100

120 6.1 5.7 8.5

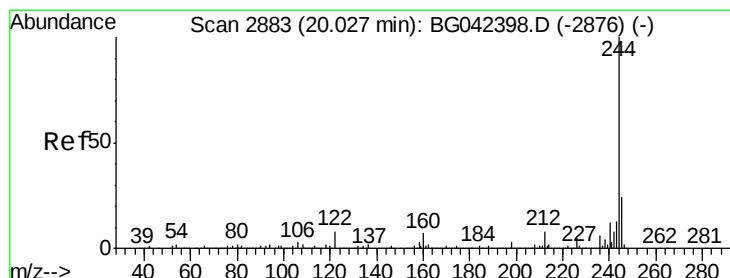
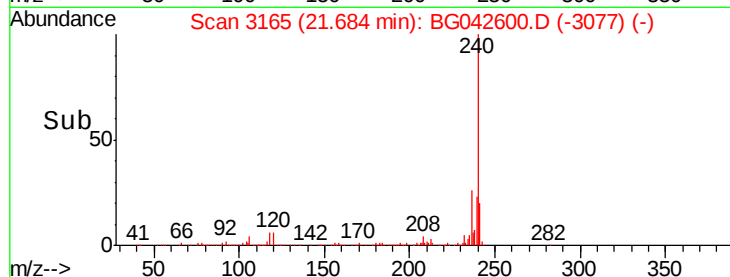
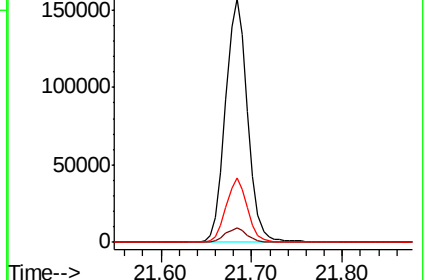
236 26.3 21.0 31.4



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: 92.030 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042600.D

Acq: 30 Aug 2019 14:47

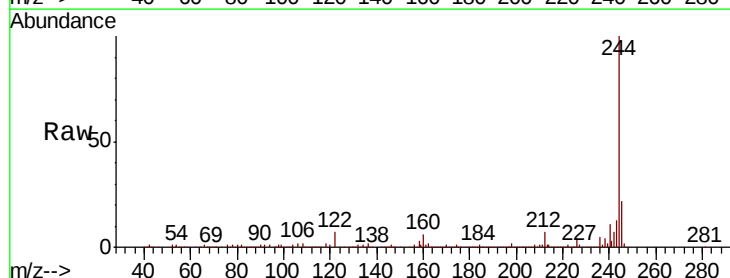
Tgt Ion:244 Resp: 1133131

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

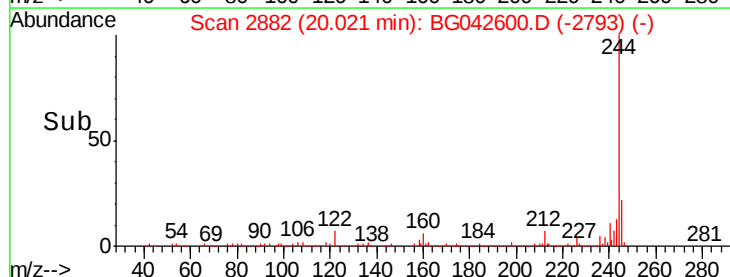
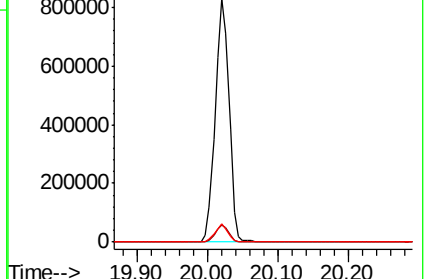
122 7.3 6.7 10.1

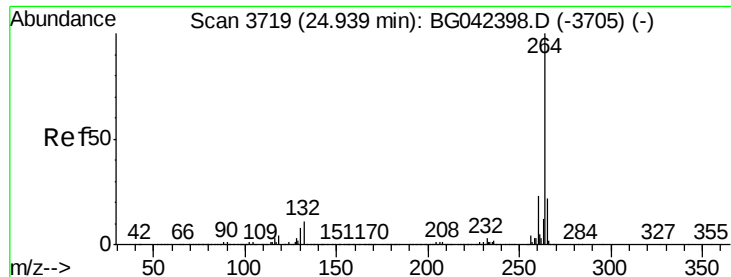


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.92 min Scan# 3716
 Delta R.T. -0.02 min
 Lab File: BG042600.D
 Acq: 30 Aug 2019 14:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	22.2	17.6	26.4

