

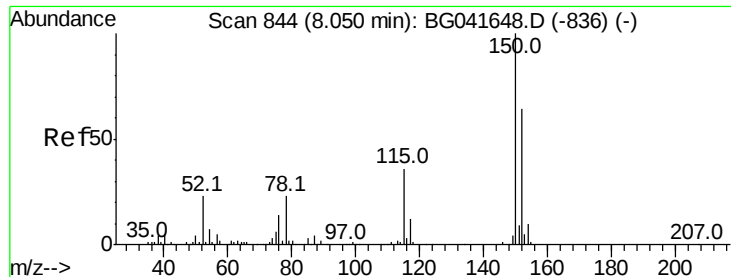
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071719\
 Data File : BG041703.D
 Acq On : 18 Jul 2019 00:50
 Operator : HP/JU
 Sample : K3835-26
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 18 07:12:38 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	96142	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	386212	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	232262	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	602823	20.00	ng	0.00
76) Chrysene-d12	21.65	240	632313	20.00	ng	-0.01
87) Perylene-d12	24.84	264	731837	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	729669	124.07	ng	0.00
7) Phenol-d6	7.20	99	1009363	127.60	ng	0.00
23) Nitrobenzene-d5	9.20	82	599530	94.41	ng	-0.01
42) 2,4,6-Tribromophenol	16.14	330	410819	156.95	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	1328736	88.59	ng	0.00
79) Terphenyl-d14	20.00	244	2133327	78.84	ng	0.00
Target Compounds						
9) Benzaldehyde	7.20	77	2089	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	9.20	70	82477	14.265	ng	# 73
50) Dimethylphthalate	14.11	163	282068	15.463	ng	# 98
57) 2,4-Dinitrotoluene	14.66	165	30765	6.015	ng	# 30
65) 4,6-Dinitro-2-methylphenol	16.14	198	1274	7.057	ng	# 1
67) 4-Bromophenyl-phenylether	16.14	248	31727	4.423	ng	# 1
77) Benizidine	20.00	184	38361	Below Cal	#	94

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

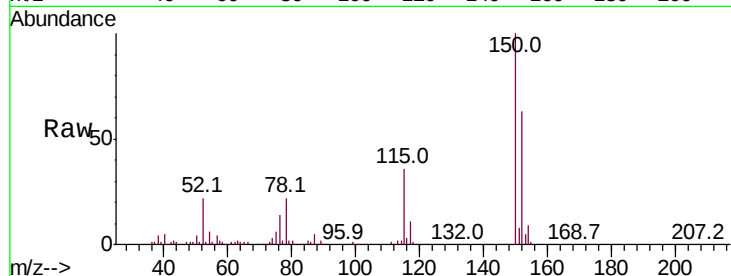


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG041703.D
Acq: 18 Jul 2019 00:50

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	126.9	190.3
115	56.7	45.0	67.6

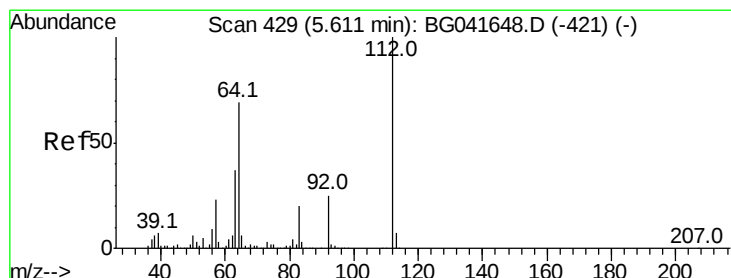
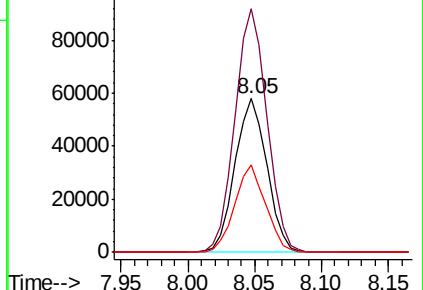
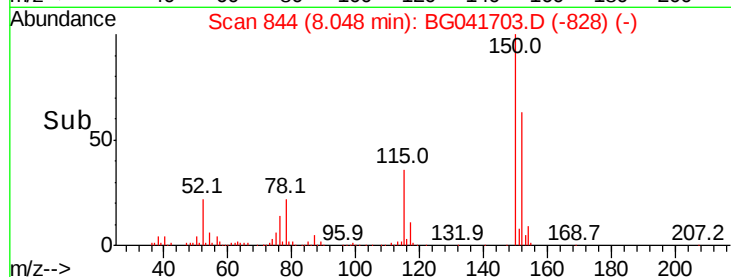


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

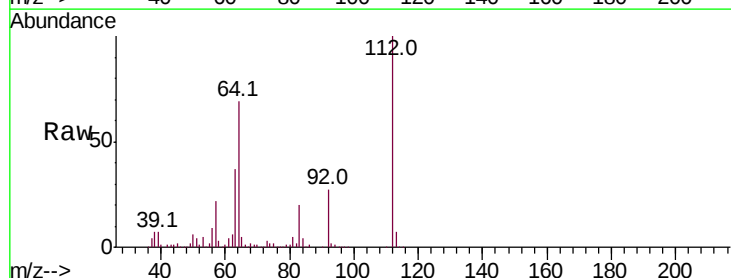
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 124.069 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.00 min
Lab File: BG041703.D
Acq: 18 Jul 2019 00:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.4	55.4	83.2
63	36.7	29.1	43.7

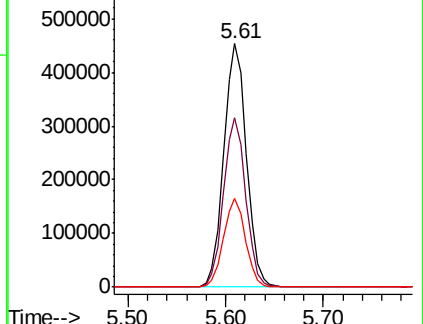
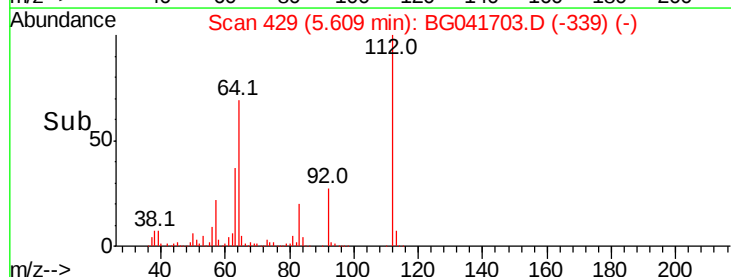


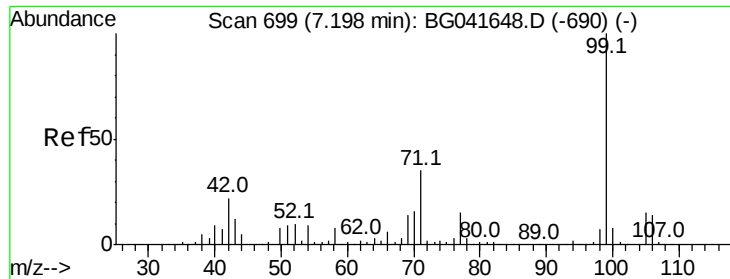
Abundance

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: 127.600 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG041703.D

Acq: 18 Jul 2019 00:50

Instrument :

BNA_G

ClientSampleId :

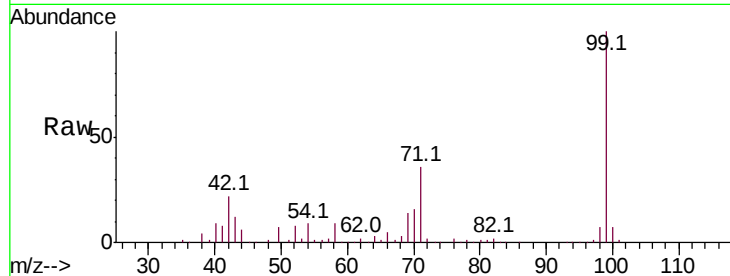
Tot Ion: 99 Resp: 1009363

Ion Ratio Lower Upper

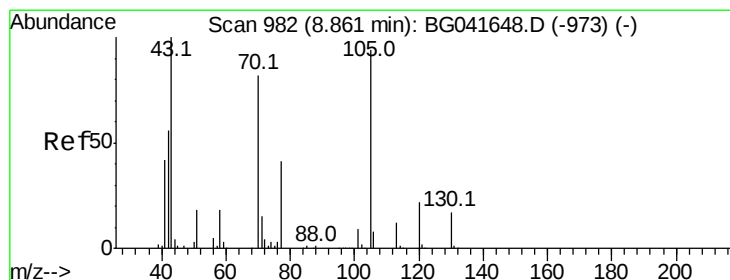
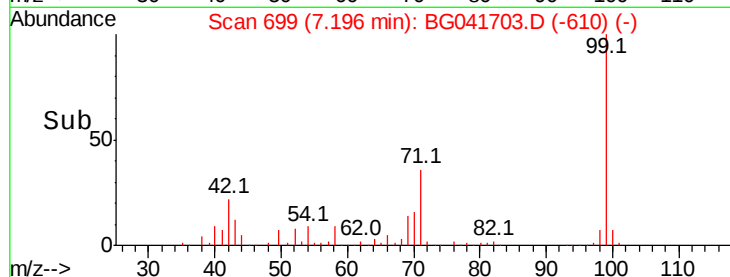
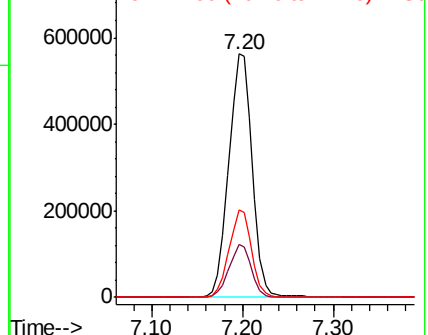
99 100

42 21.6 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: 14.265 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.33 min

Lab File: BG041703.D

Acq: 18 Jul 2019 00:50

Tgt Ion: 70 Resp: 82477

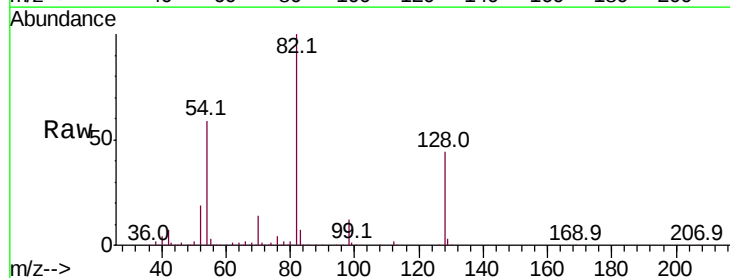
Ion Ratio Lower Upper

70 100

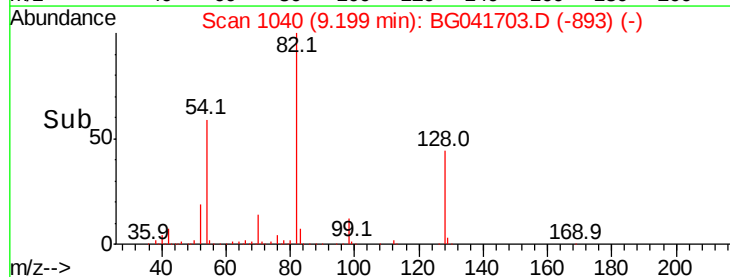
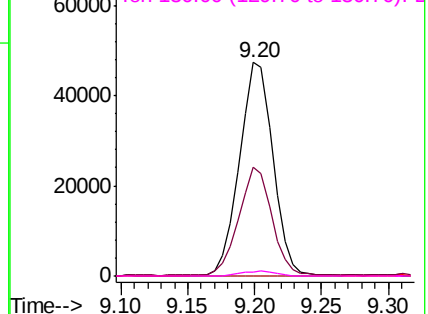
42 50.9 55.8 83.6#

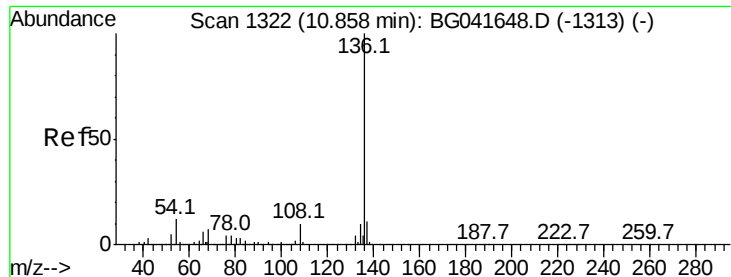
101 0.0 8.1 12.1#

130 1.7 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

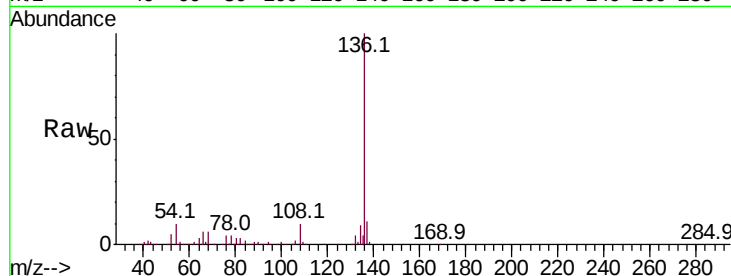




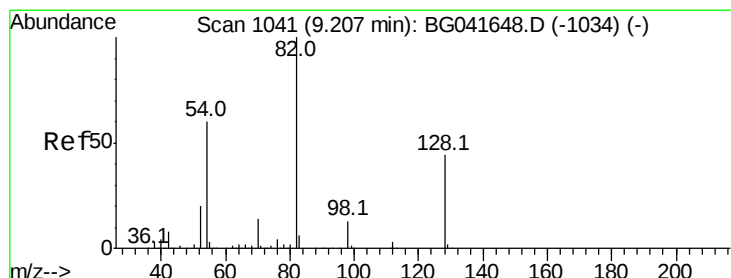
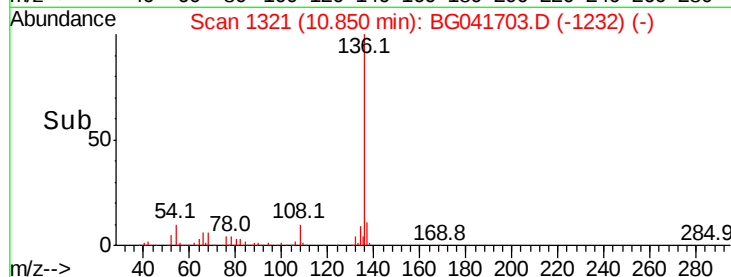
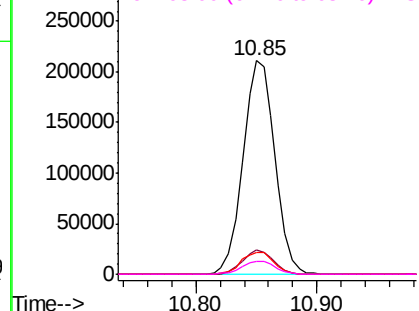
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG041703.D
Acq: 18 Jul 2019 00:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	386212
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	10.4	8.7	13.1
68	6.0	5.5	8.3

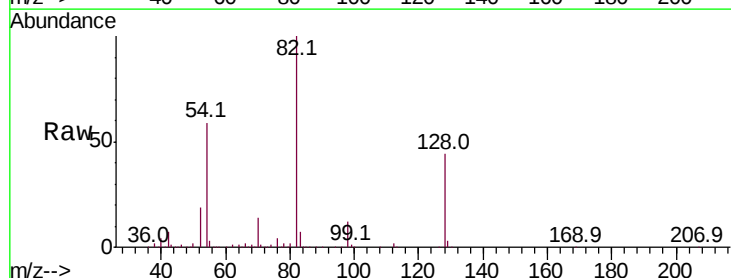


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

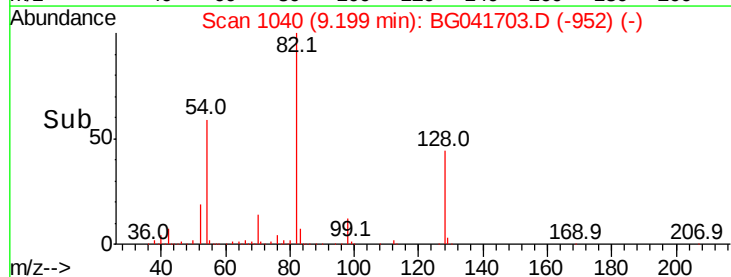
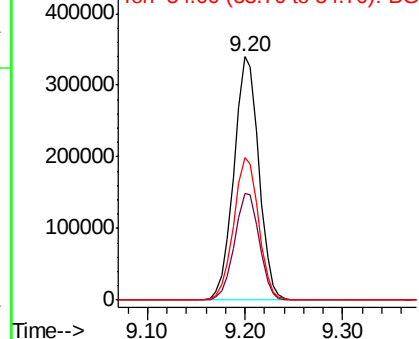


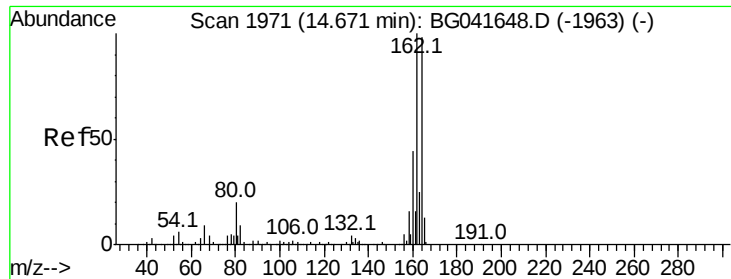
#23
Nitrobenzene-d5
Concen: 94.405 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG041703.D
Acq: 18 Jul 2019 00:50

Tgt Ion:	82	Resp:	599530
Ion	Ratio	Lower	Upper
82	100		
128	43.9	35.1	52.7
54	58.7	48.7	73.1



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# 1970

Delta R.T. -0.01 min

Lab File: BG041703.D

Acq: 18 Jul 2019 00:50

Instrument :

BNA_G

ClientSampleId :

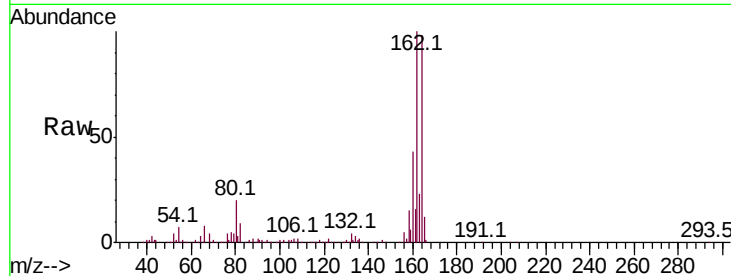
Tot Ion:164 Resp: 232262

Ion Ratio Lower Upper

164 100

162 102.0 79.6 119.4

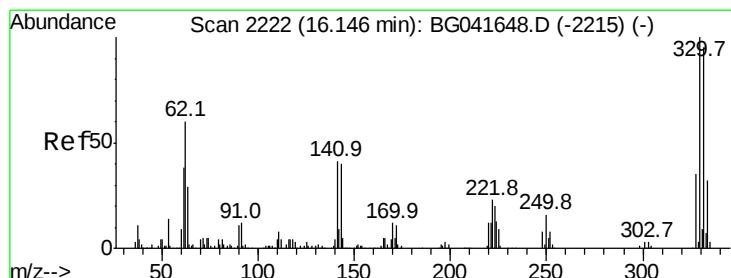
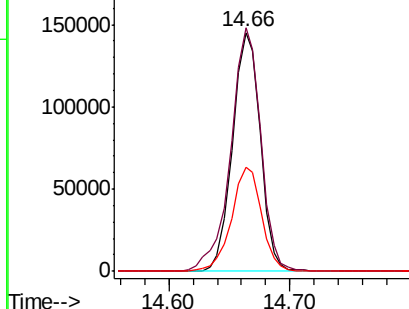
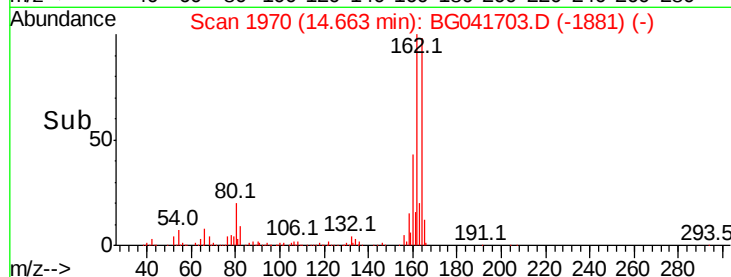
160 43.7 35.4 53.0



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: 156.948 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BG041703.D

Acq: 18 Jul 2019 00:50

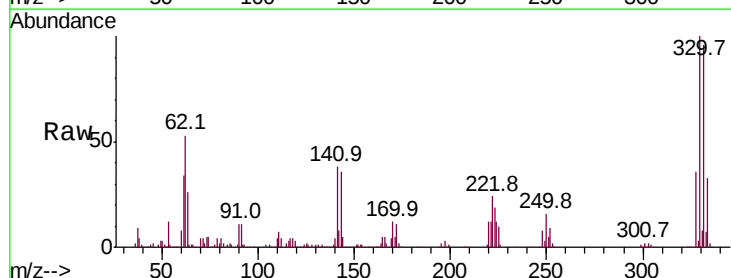
Tgt Ion:330 Resp: 410819

Ion Ratio Lower Upper

330 100

332 95.4 77.4 116.0

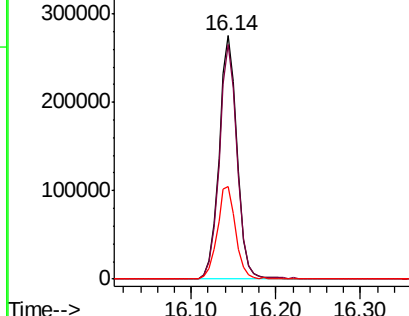
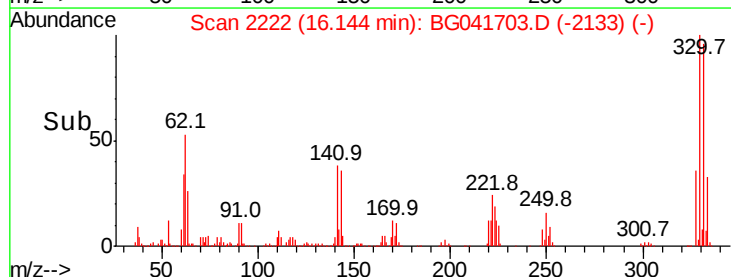
141 39.2 31.9 47.9

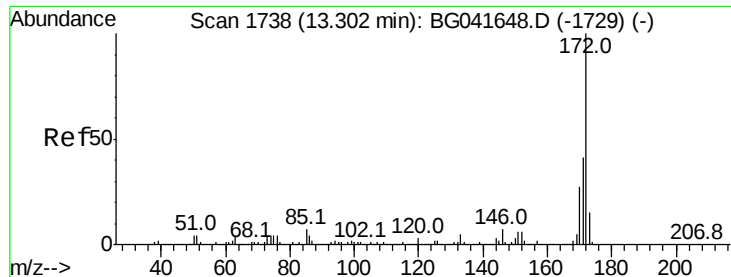


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

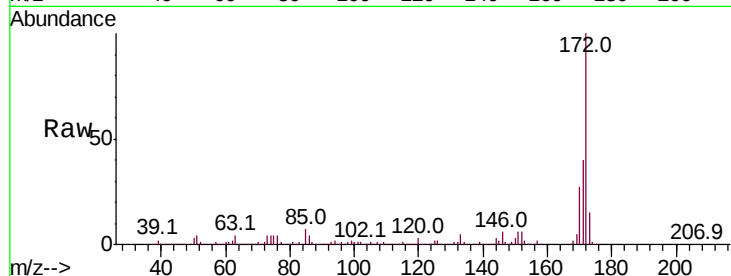




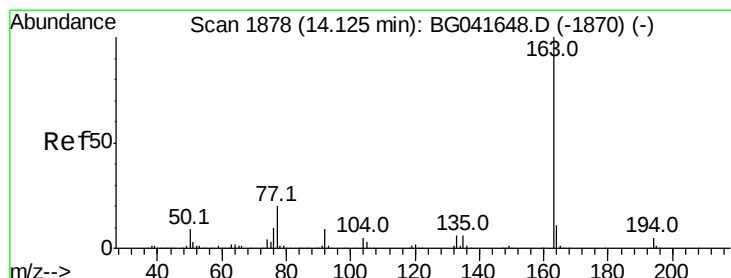
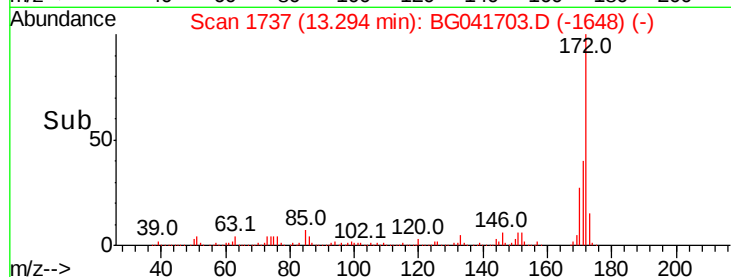
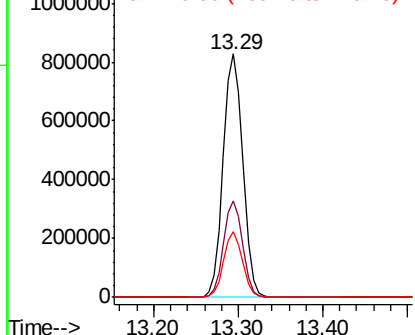
#45
2-Fluorobiphenyl
Concen: 88.587 ng
RT: 13.29 min Scan# 1737
Delta R.T. -0.01 min
Lab File: BG041703.D
Acq: 18 Jul 2019 00:50

Instrument :
BNA_G
ClientSampled :

Tot Ion:172 Resp: 1328736
Ion Ratio Lower Upper
172 100
171 39.5 35.0 52.4
170 26.8 23.5 35.3

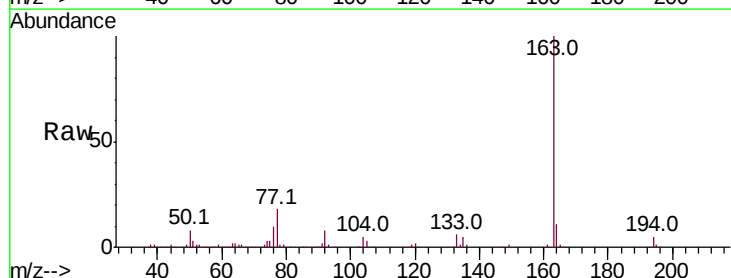


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

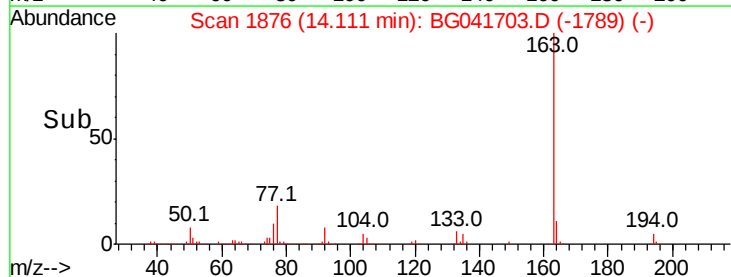
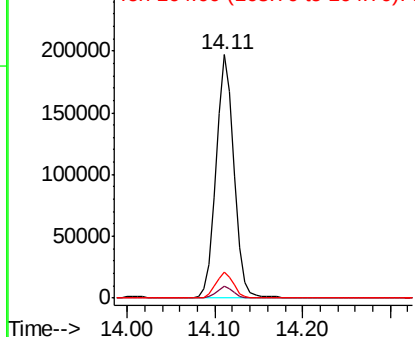


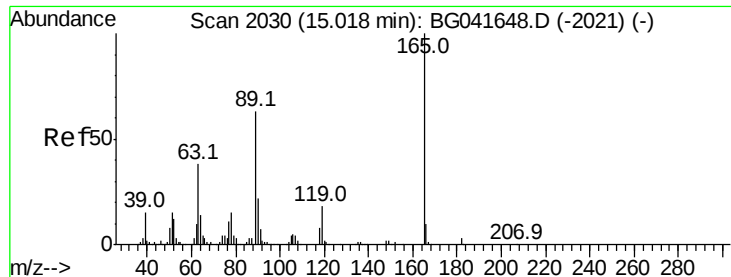
#50
Dimethylphthalate
Concen: 15.463 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.02 min
Lab File: BG041703.D
Acq: 18 Jul 2019 00:50

Tgt Ion:163 Resp: 282068
Ion Ratio Lower Upper
163 100
194 5.0 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: 6.015 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG041703.D

Acq: 18 Jul 2019 00:50

Instrument :

BNA_G

ClientSampled :

Tot Ion:165 Resp: 30765

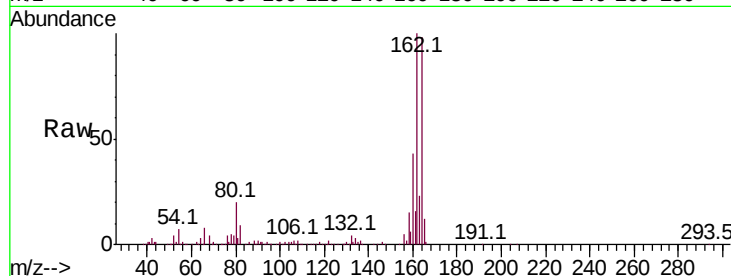
Ion Ratio Lower Upper

165 100

63 2.5 31.7 47.5#

89 2.0 50.2 75.4#

182 0.0 2.6 4.0#

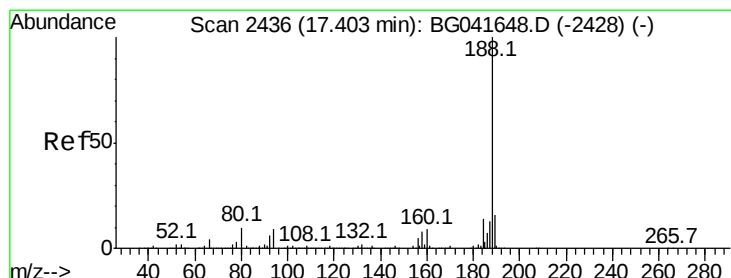
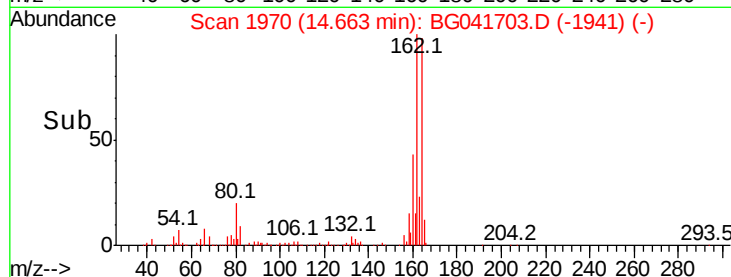
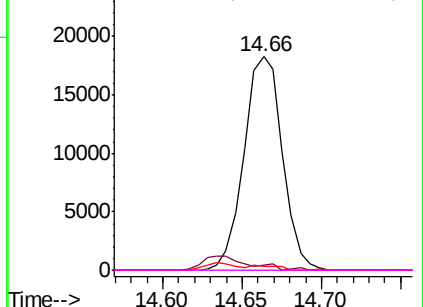


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2436

Delta R.T. -0.01 min

Lab File: BG041703.D

Acq: 18 Jul 2019 00:50

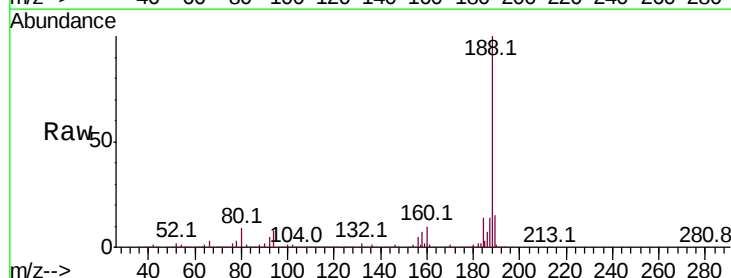
Tgt Ion:188 Resp: 602823

Ion Ratio Lower Upper

188 100

94 8.1 6.9 10.3

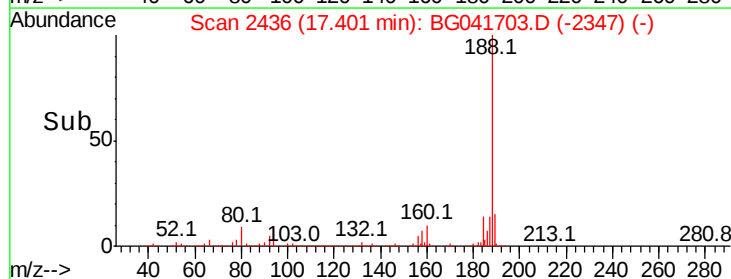
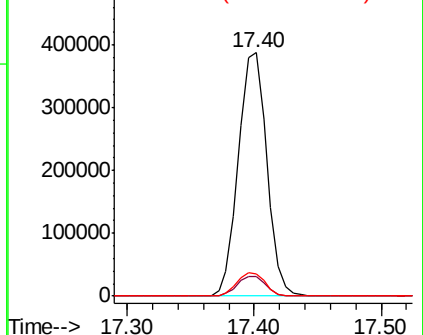
80 9.3 8.0 12.0

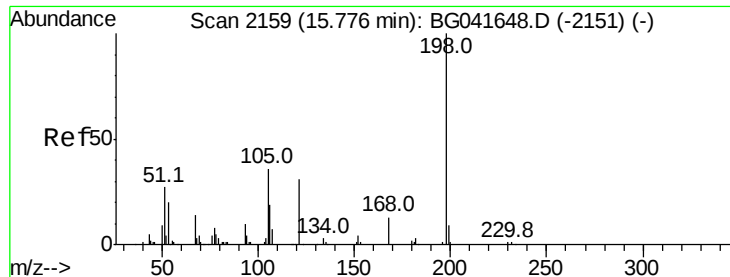


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

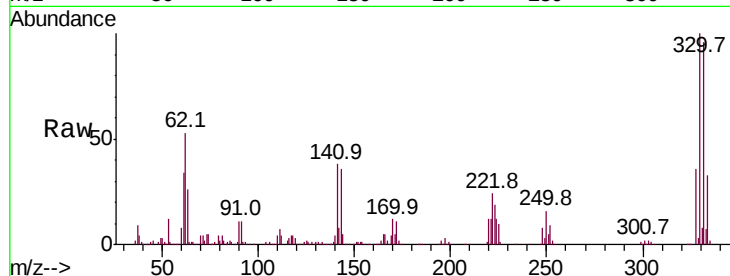




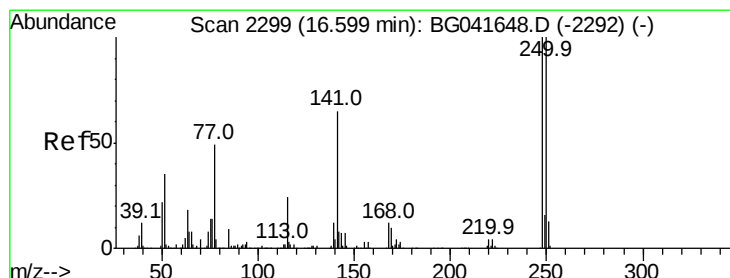
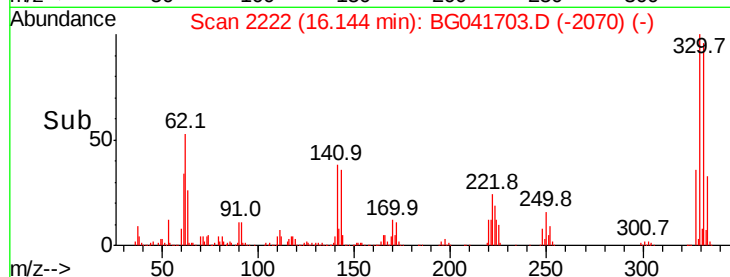
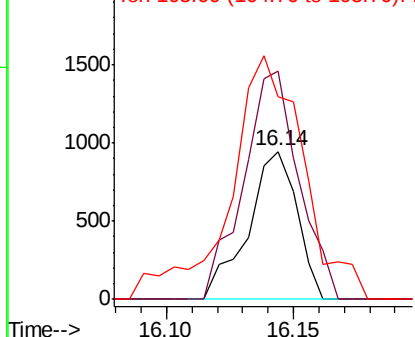
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.057 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. 0.36 min
 Lab File: BG041703.D
 Acq: 18 Jul 2019 00:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	153.9	22.3	62.3#
105	137.3	18.0	58.0#



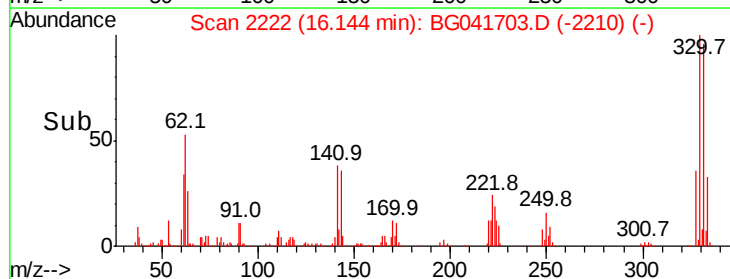
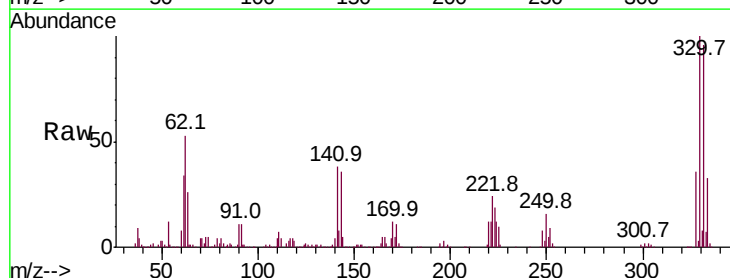
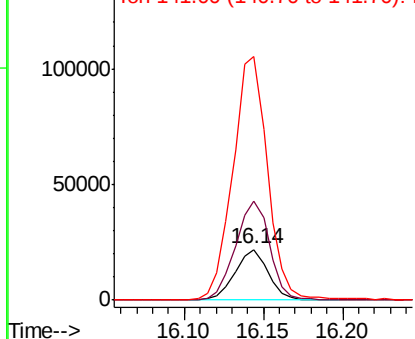
Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

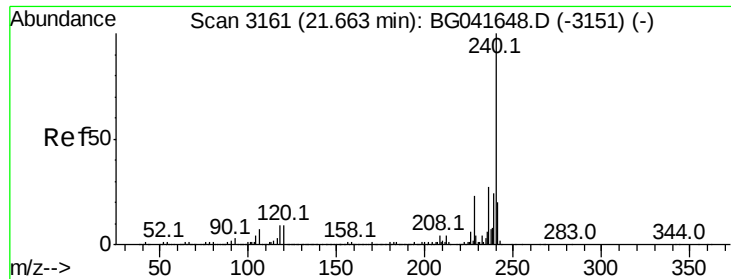


#67
 4-Bromophenyl-phenylether
 Concen: 4.423 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.46 min
 Lab File: BG041703.D
 Acq: 18 Jul 2019 00:50

Tgt Ion	Ratio	Lower	Upper
248	100		
250	195.9	78.1	117.1#
141	481.8	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: BG041703.D

Acq: 18 Jul 2019 00:50

Instrument :

BNA_G

ClientSampled :

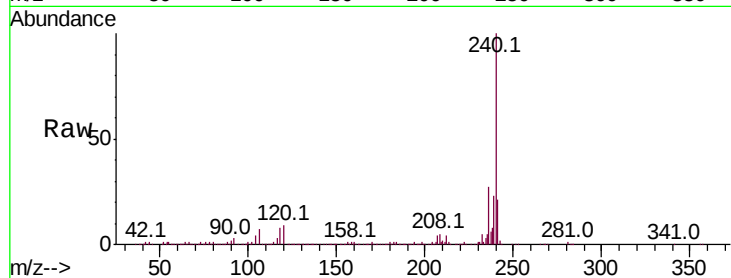
Tot Ion:240 Resp: 632313

Ion Ratio Lower Upper

240 100

120 9.0 8.0 12.0

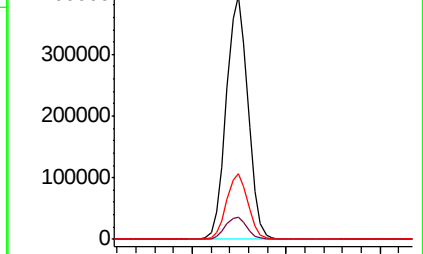
236 26.9 22.6 33.8



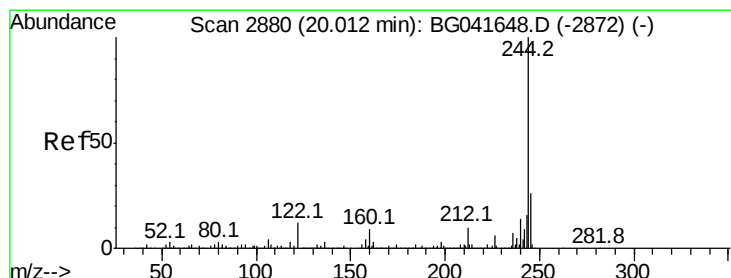
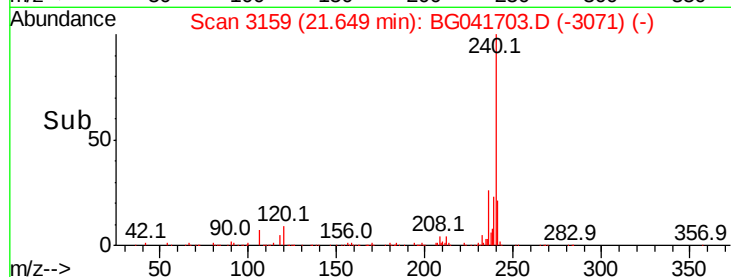
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#79

Terphenyl-d14

Concen: 78.843 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG041703.D

Acq: 18 Jul 2019 00:50

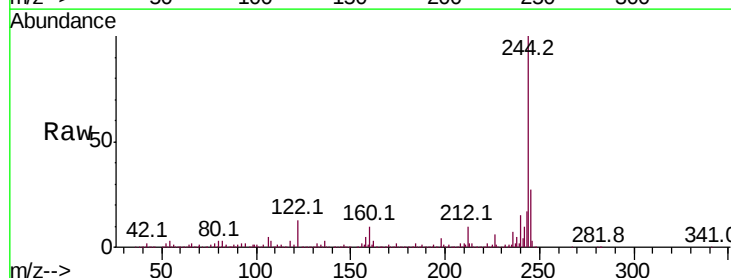
Tgt Ion:244 Resp: 2133327

Ion Ratio Lower Upper

244 100

212 10.2 9.7 14.5

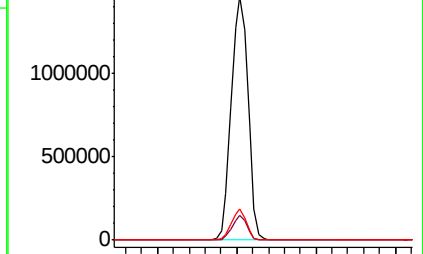
122 12.9 12.5 18.7



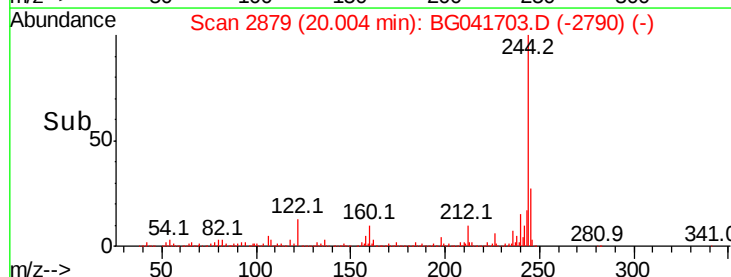
Abundance Ion 244.00 (243.70 to 244.70): E

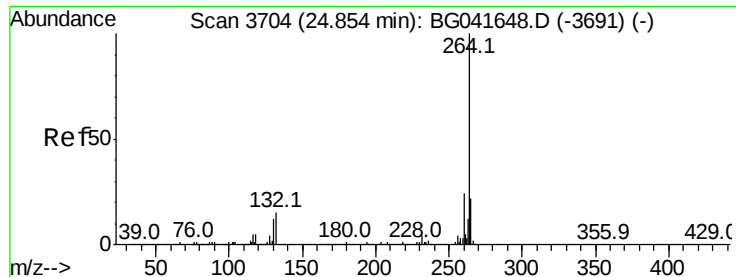
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

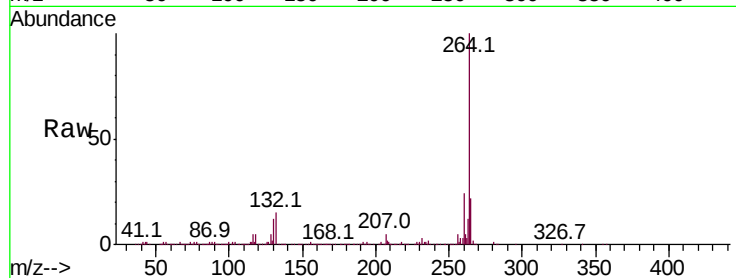




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.84 min Scan# 3702
Delta R.T. -0.02 min
Lab File: BG041703.D
Acq: 18 Jul 2019 00:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.1	18.0	27.0



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

