

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103119\
 Data File : BG043446.D
 Acq On : 31 Oct 2019 22:55
 Operator : JU
 Sample : K5599-15
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 01 04:02:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

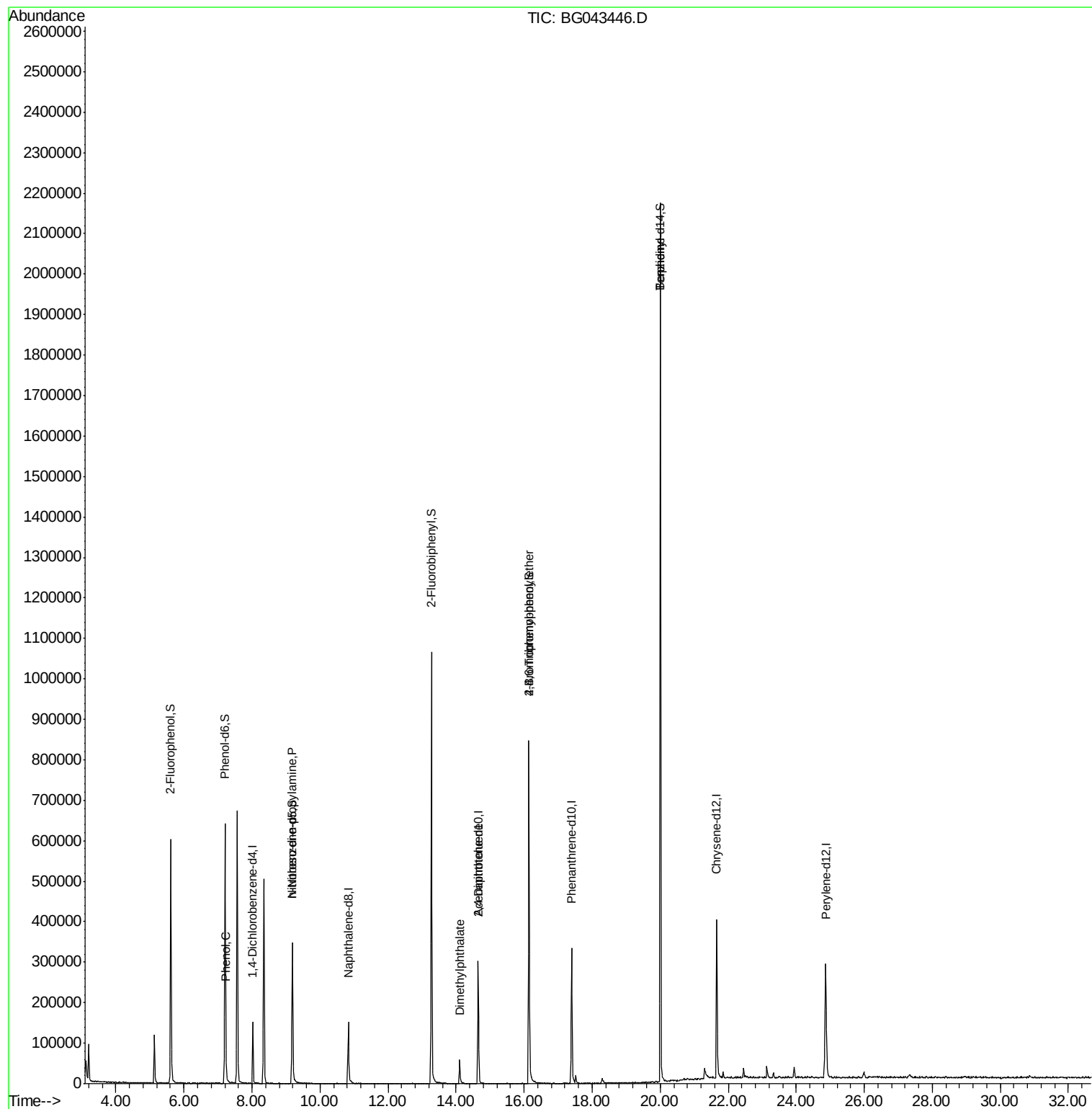
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	44575	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	165893	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	113908	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	261587	20.00	ng	0.00
76) Chrysene-d12	21.66	240	278262	20.00	ng	0.00
87) Perylene-d12	24.86	264	334151	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	287994	118.39	ng	0.00
7) Phenol-d6	7.21	99	404988	115.72	ng	0.00
23) Nitrobenzene-d5	9.19	82	236576	73.52	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	224799	103.71	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	629096	76.31	ng	0.00
79) Terphenyl-d14	20.00	244	1166509	78.65	ng	0.00
Target Compounds						
10) Phenol	7.24	94	10032	3.137	ng	86
19) n-Nitroso-di-n-propylamine	9.19	70	33938	15.007	ng	# 75
50) Dimethylphthalate	14.10	163	52934	6.000	ng	# 97
57) 2,4-Dinitrotoluene	14.65	165	16420	5.994	ng	# 25
67) 4-Bromophenyl-phenylether	16.14	248	13920	3.954	ng	# 1
77) Benzidine	20.00	184	17057	3.046	ng	# 83

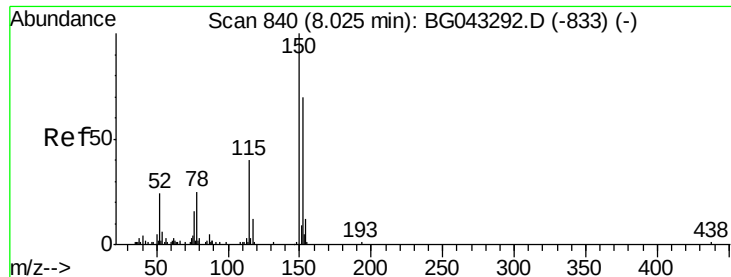
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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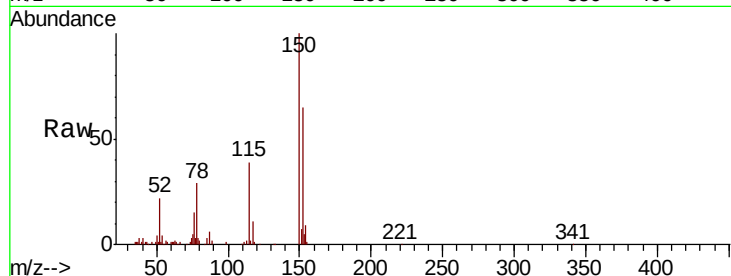


#1

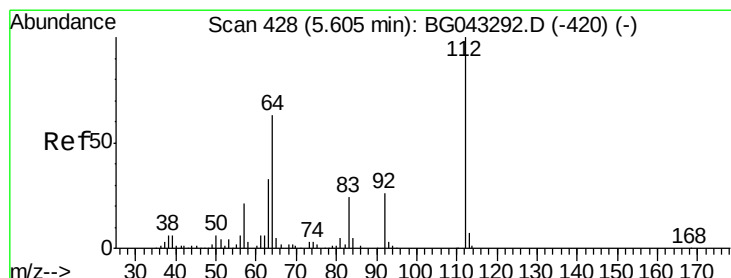
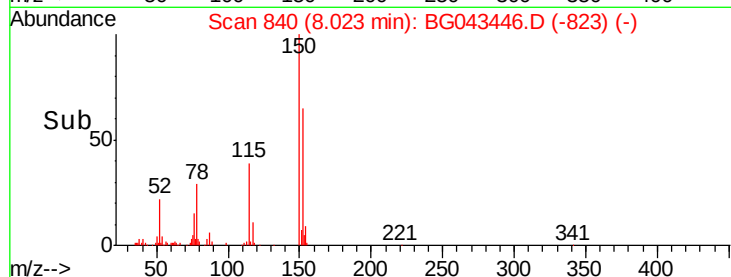
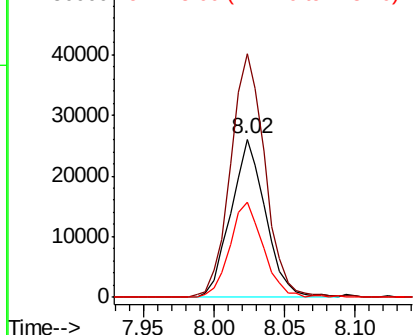
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043446.D
Acq: 31 Oct 2019 22:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 44575
Ion Ratio Lower Upper
152 100
150 154.2 113.6 170.4
115 60.1 45.9 68.9



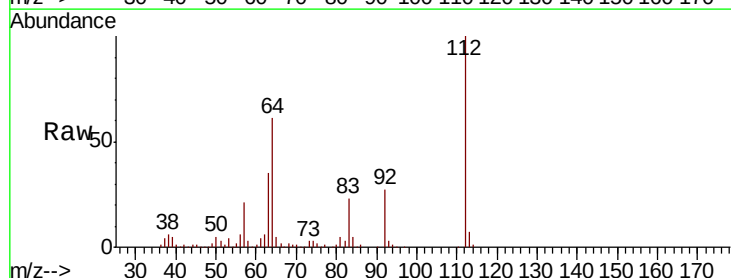
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



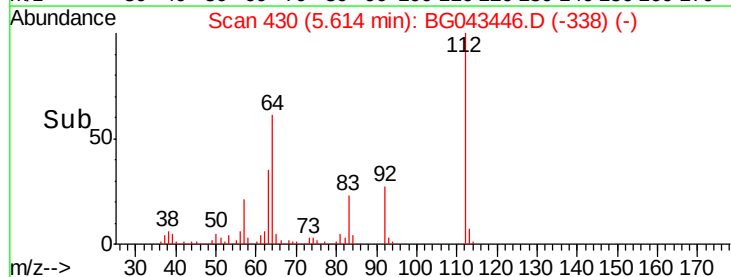
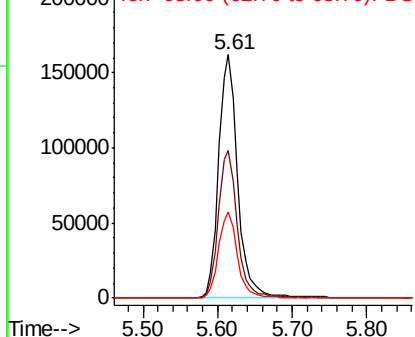
#5

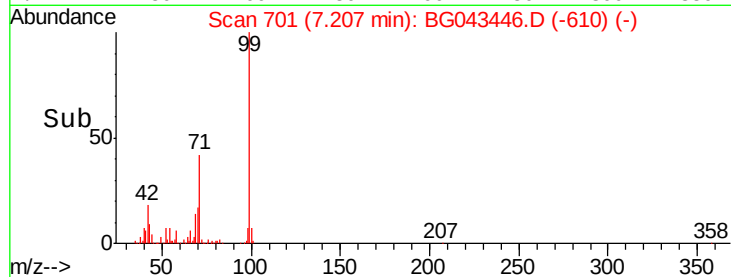
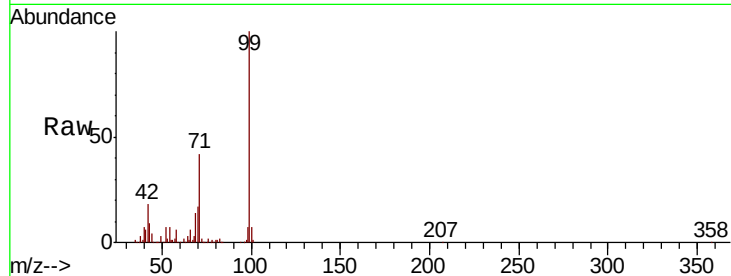
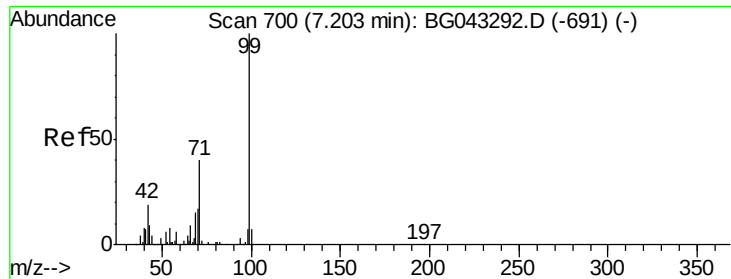
2-Fluorophenol
Concen: 118.392 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.01 min
Lab File: BG043446.D
Acq: 31 Oct 2019 22:55

Tgt Ion:112 Resp: 287994
Ion Ratio Lower Upper
112 100
64 60.8 50.2 75.2
63 35.3 26.7 40.1



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: 115.716 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG043446.D

Acq: 31 Oct 2019 22:55

Instrument :

BNA_G

ClientSampled :

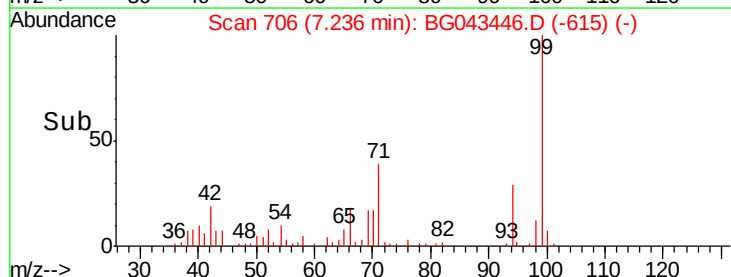
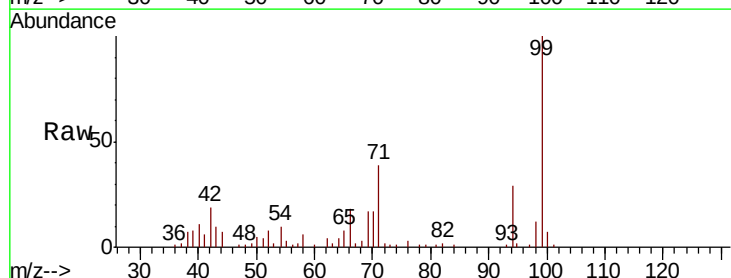
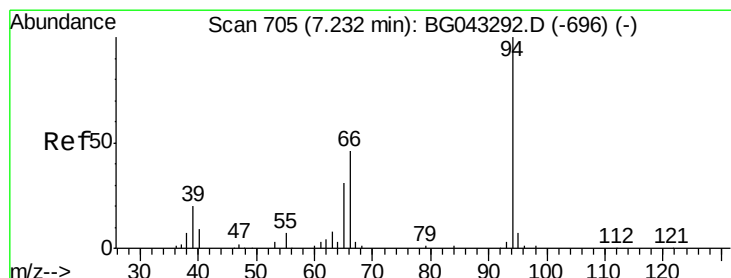
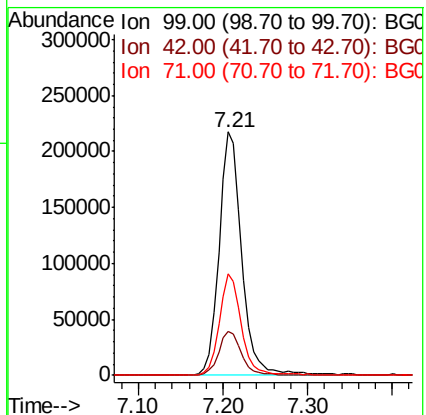
Tot Ion: 99 Resp: 404988

Ion Ratio Lower Upper

99 100

42 18.1 14.9 22.3

71 41.8 32.2 48.2



#10

Phenol

Concen: 3.137 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG043446.D

Acq: 31 Oct 2019 22:55

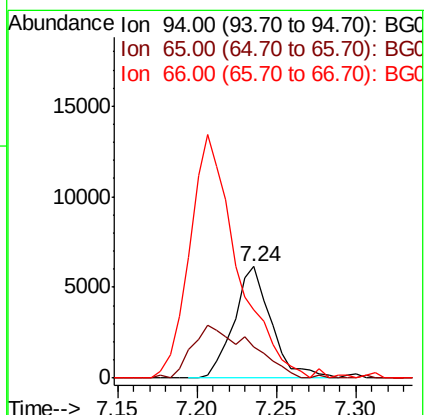
Tgt Ion: 94 Resp: 10032

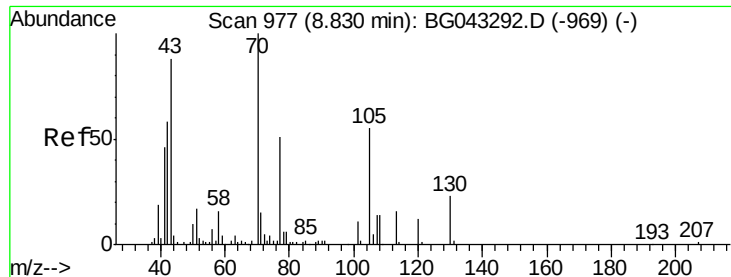
Ion Ratio Lower Upper

94 100

65 28.2 11.1 51.1

66 61.2 27.8 67.8





#19

n-Nitroso-di-n-propylamine

Concen: 15.007 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG043446.D

Acq: 31 Oct 2019 22:55

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 33938

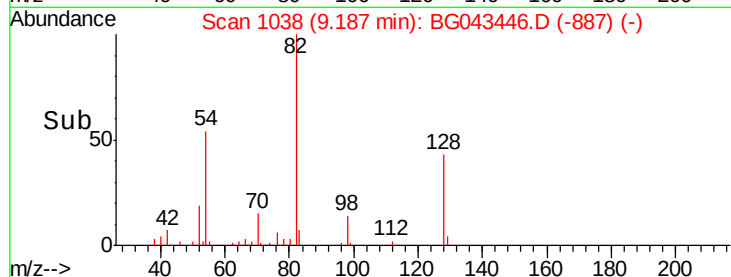
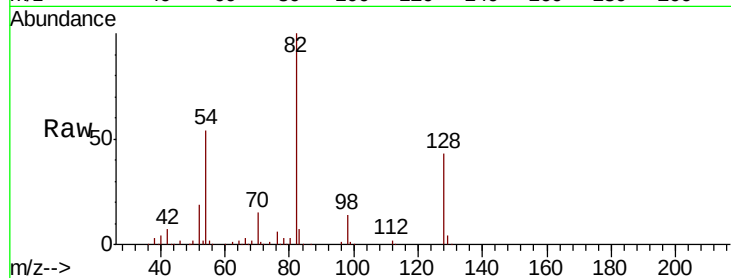
Ion Ratio Lower Upper

70 100

42 44.3 46.2 69.2#

101 0.0 8.6 13.0#

130 2.8 18.6 27.8#

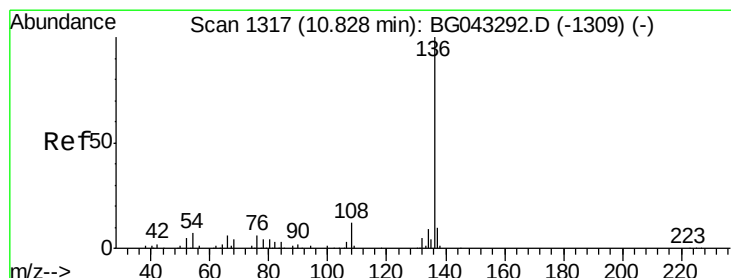
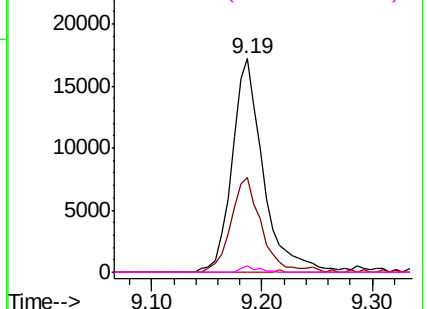


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.83 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BG043446.D

Acq: 31 Oct 2019 22:55

Tgt Ion: 136 Resp: 165893

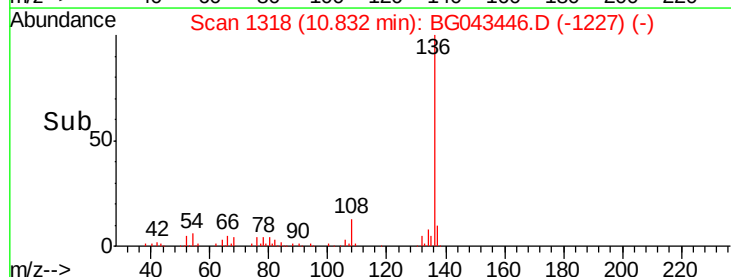
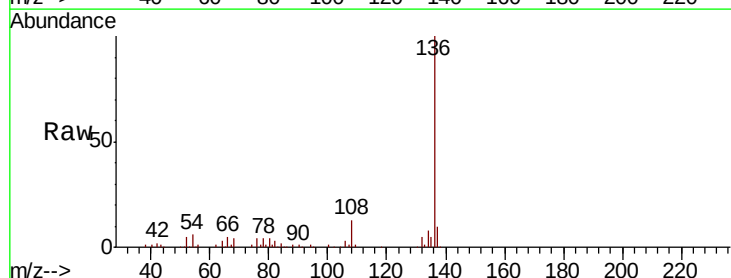
Ion Ratio Lower Upper

136 100

137 10.1 8.2 12.2

54 6.2 5.4 8.2

68 4.0 3.3 4.9

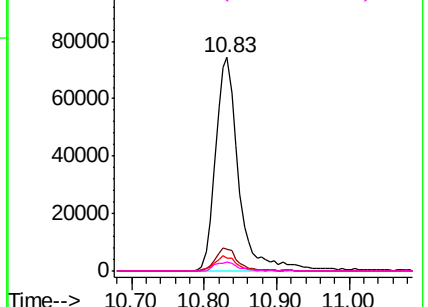


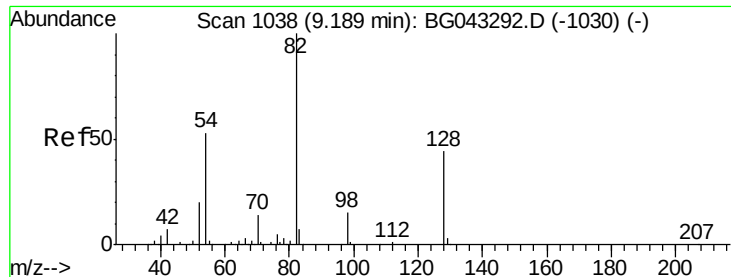
Abundance Ion 136.00 (135.70 to 136.70): BGC

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: 73.521 ng

RT: 9.19 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BG043446.D

Acq: 31 Oct 2019 22:55

Instrument :

BNA_G

ClientSampled :

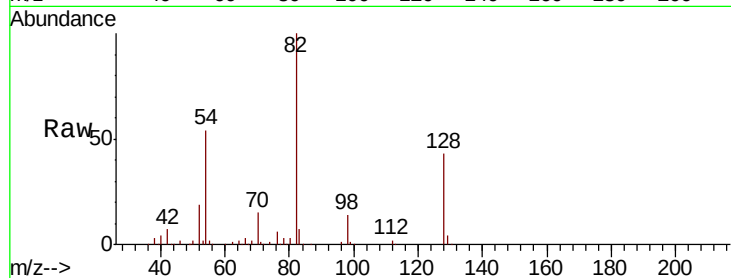
Tot Ion: 82 Resp: 236576

Ion Ratio Lower Upper

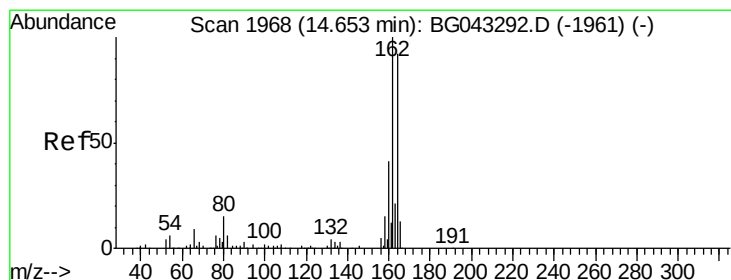
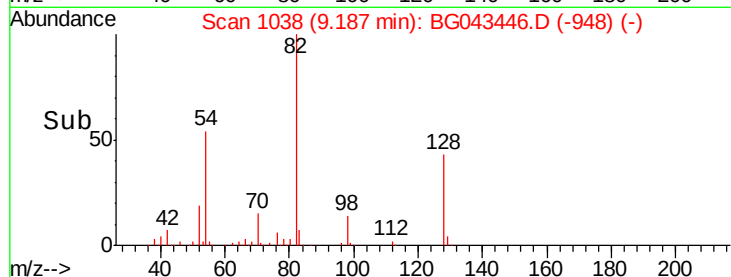
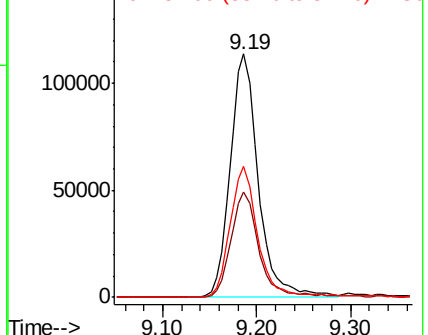
82 100

128 43.2 35.3 52.9

54 54.0 42.3 63.5



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: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG043446.D

Acq: 31 Oct 2019 22:55

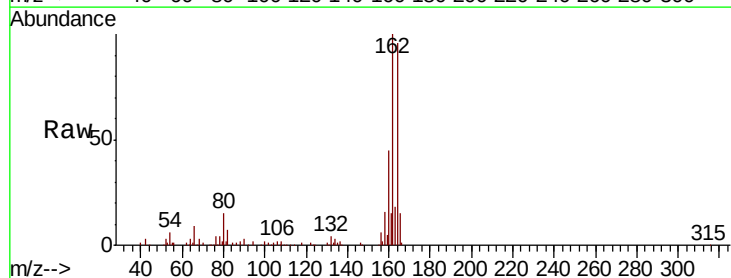
Tgt Ion:164 Resp: 113908

Ion Ratio Lower Upper

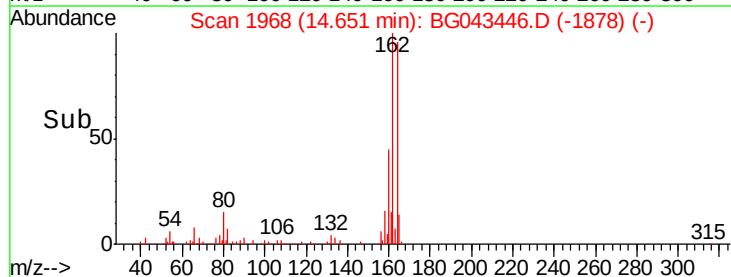
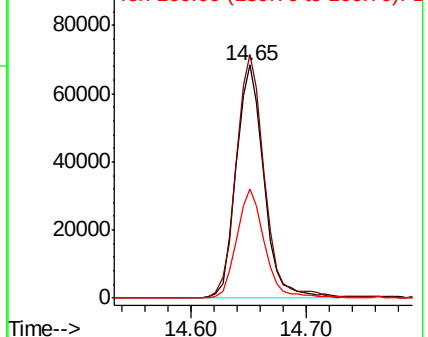
164 100

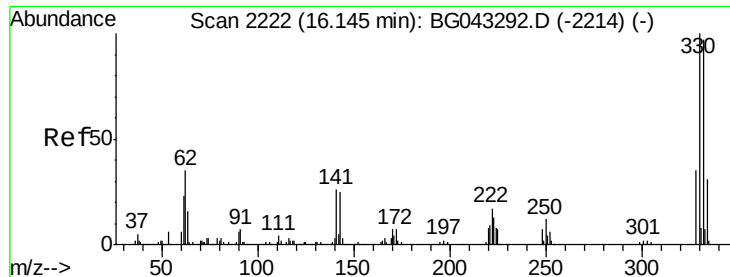
162 104.4 87.0 130.4

160 46.9 35.5 53.3



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

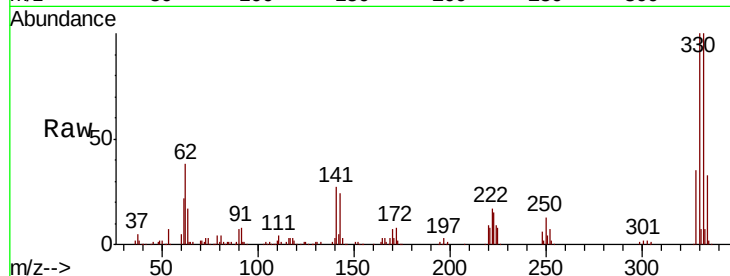




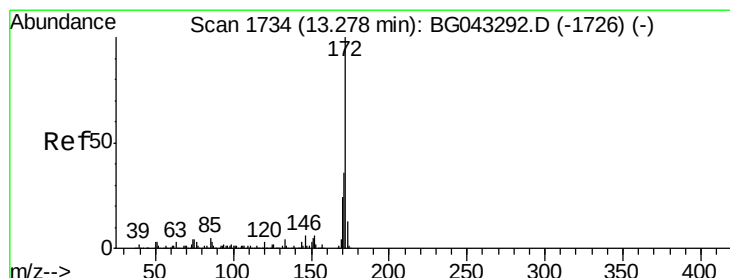
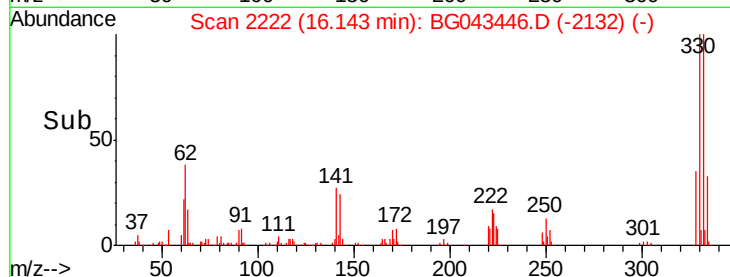
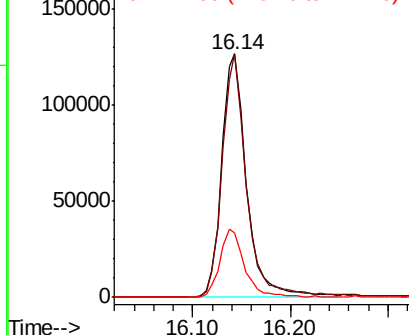
#42
 2,4,6-Tribromophenol
 Concen: 103.705 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG043446.D
 Acq: 31 Oct 2019 22:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.4	114.6
141	27.8	21.4	32.0

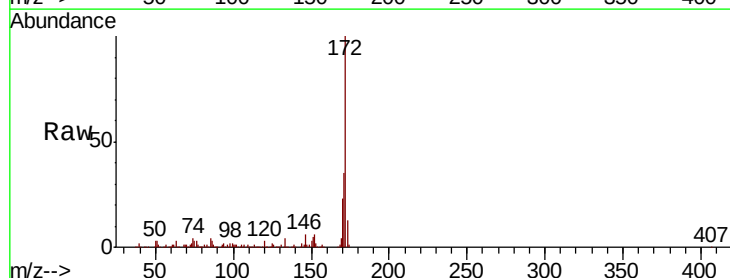


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

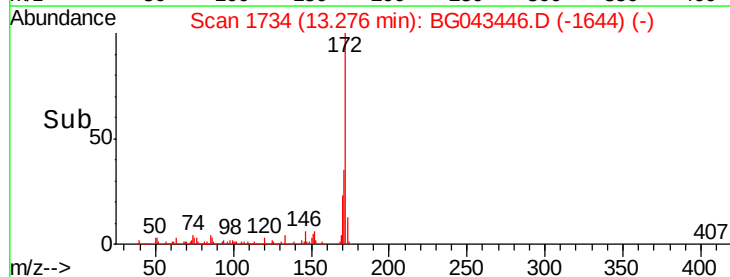
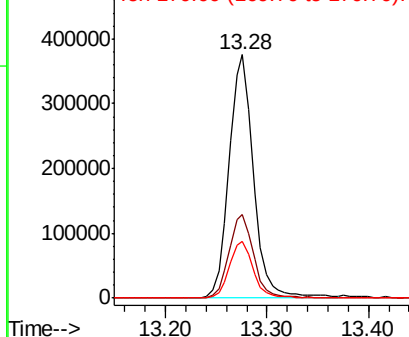


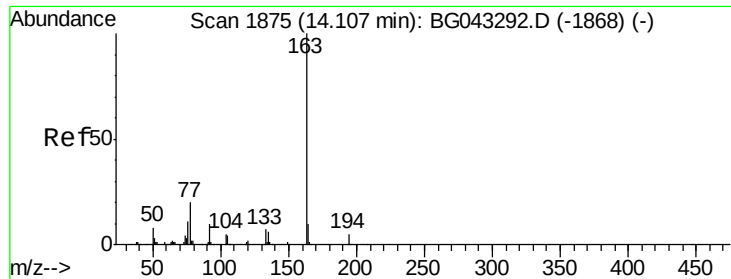
#45
 2-Fluorobiphenyl
 Concen: 76.315 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG043446.D
 Acq: 31 Oct 2019 22:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.5	42.7
170	23.4	18.8	28.2



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

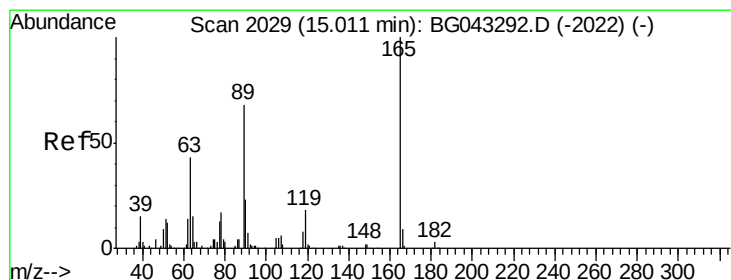
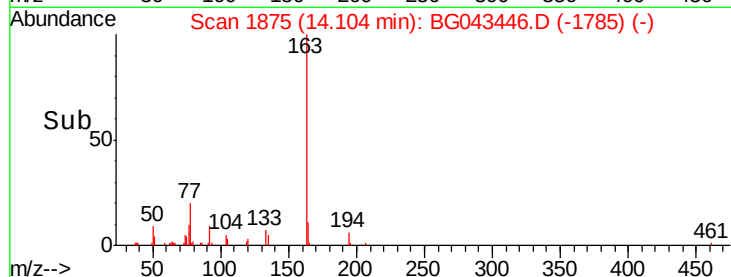
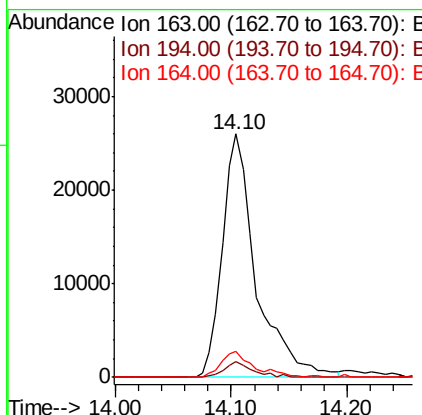
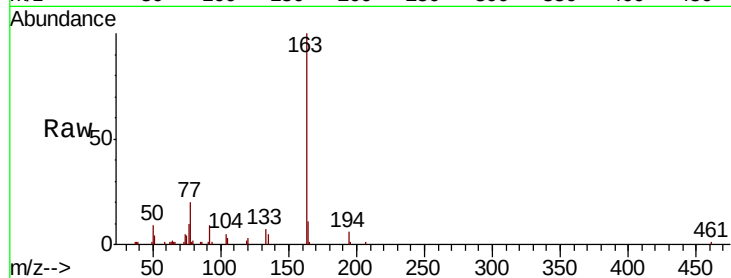




#50
Dimethylphthalate
Concen: 6.000 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.00 min
Lab File: BG043446.D
Acq: 31 Oct 2019 22:55

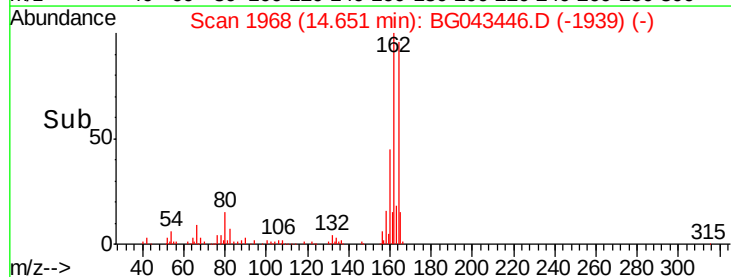
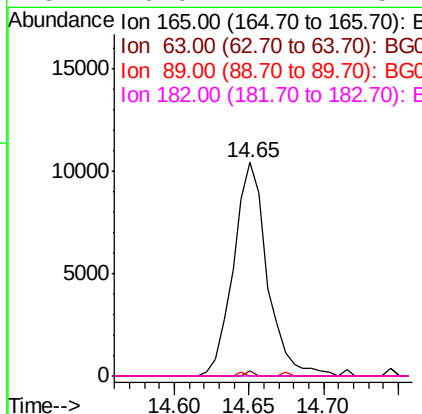
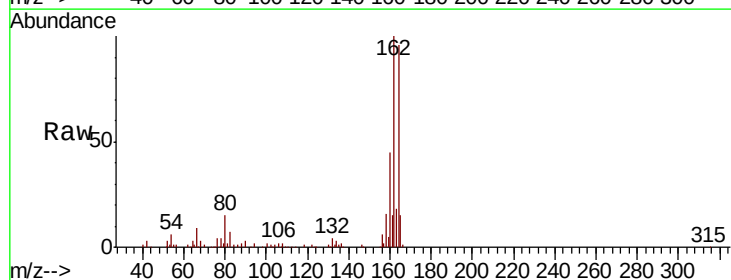
Instrument :
BNA_G
ClientSampleId :

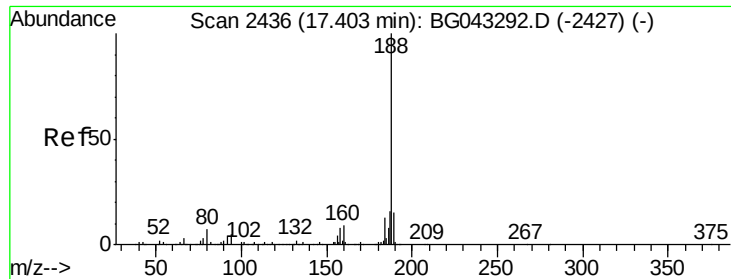
Tot Ion:163 Resp: 52934
Ion Ratio Lower Upper
163 100
194 6.5 3.7 5.5#
164 10.7 8.1 12.1



#57
2,4-Dinitrotoluene
Concen: 5.994 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.36 min
Lab File: BG043446.D
Acq: 31 Oct 2019 22:55

Tgt Ion:165 Resp: 16420
Ion Ratio Lower Upper
165 100
63 2.3 35.0 52.6#
89 0.0 54.1 81.1#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043446.D

Acq: 31 Oct 2019 22:55

Instrument :

BNA_G

ClientSampleId :

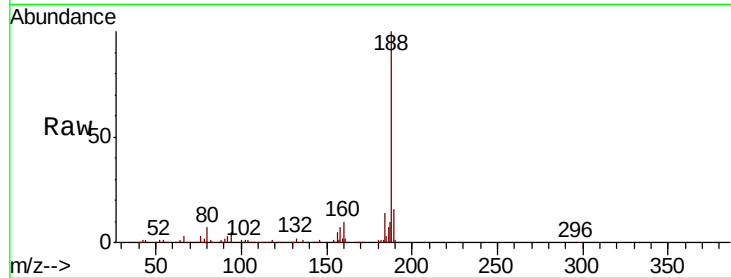
Tot Ion:188 Resp: 261587

Ion Ratio Lower Upper

188 100

94 5.5 4.2 6.2

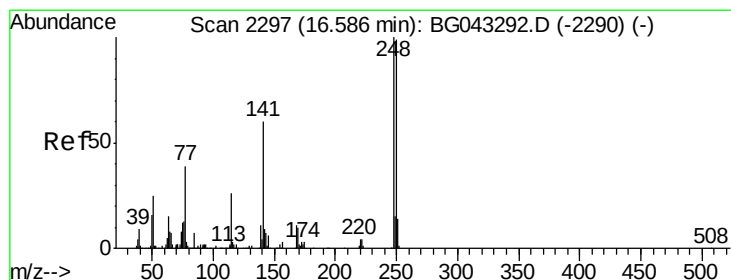
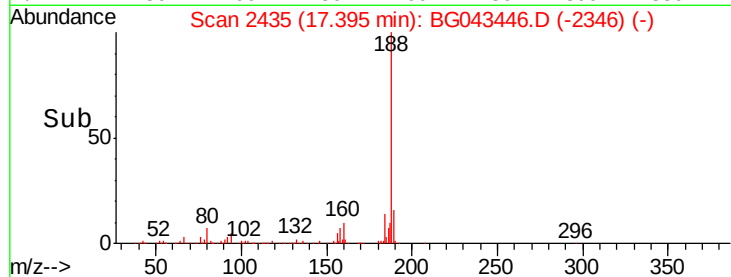
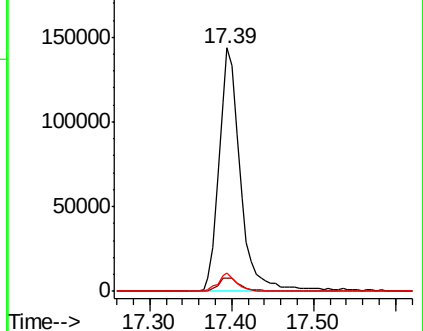
80 7.4 5.2 7.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 3.954 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.44 min

Lab File: BG043446.D

Acq: 31 Oct 2019 22:55

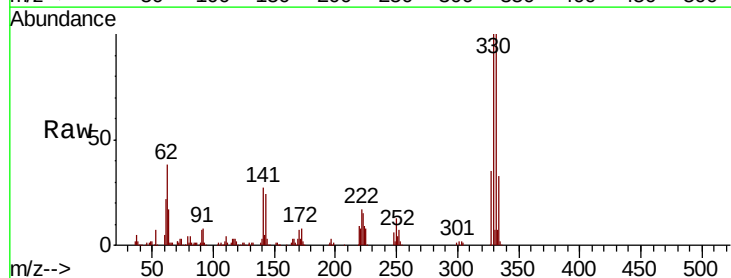
Tgt Ion:248 Resp: 13920

Ion Ratio Lower Upper

248 100

250 205.5 79.3 118.9#

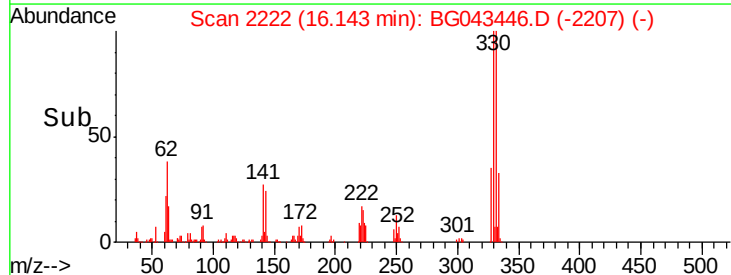
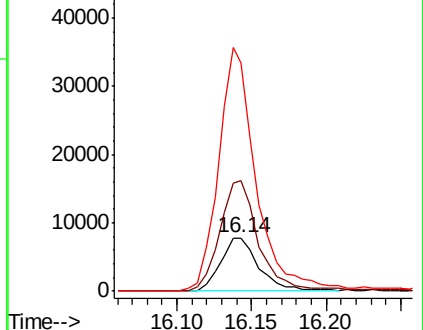
141 427.8 47.9 71.9#

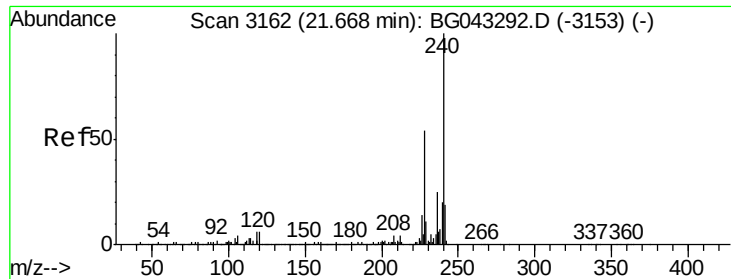


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG043446.D

Acq: 31 Oct 2019 22:55

Instrument :

BNA_G

ClientSampleId :

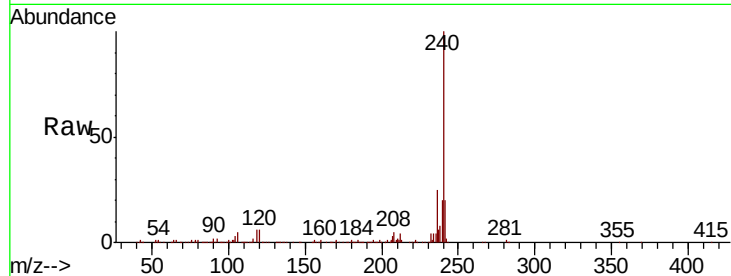
Tot Ion:240 Resp: 278262

Ion Ratio Lower Upper

240 100

120 5.7 4.6 7.0

236 25.3 20.2 30.4

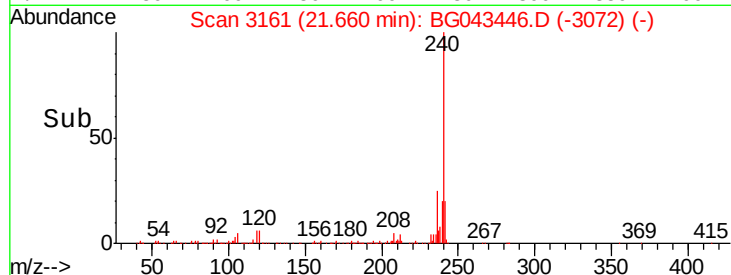


Abundance Ion 240.00 (239.70 to 240.70): E

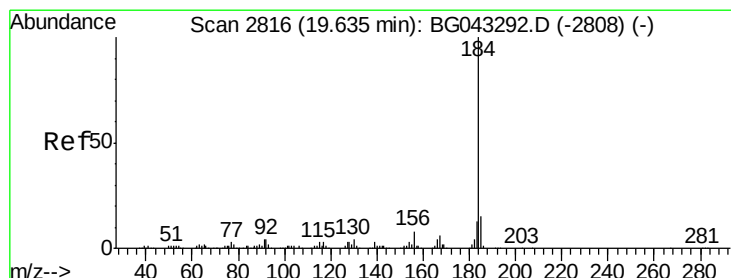
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.66



Time-->



#77

Benzidine

Concen: 3.046 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043446.D

Acq: 31 Oct 2019 22:55

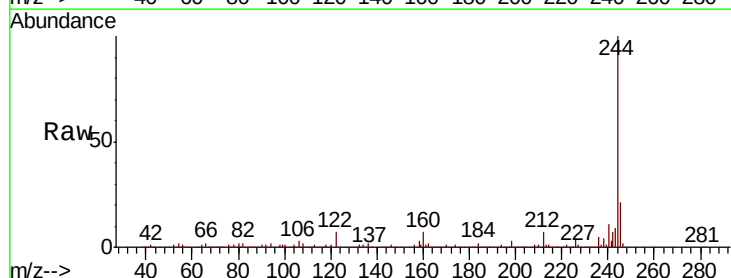
Tgt Ion:184 Resp: 17057

Ion Ratio Lower Upper

184 100

185 13.5 11.8 17.6

183 0.0 10.6 16.0#

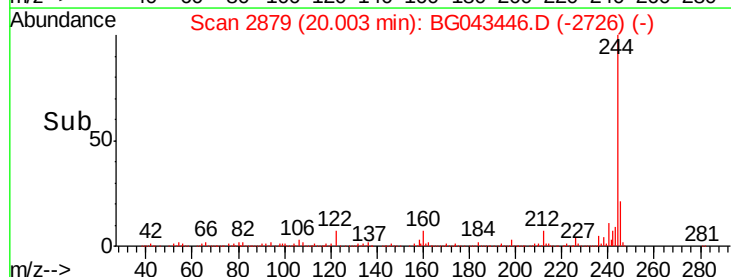


Abundance Ion 184.00 (183.70 to 184.70): E

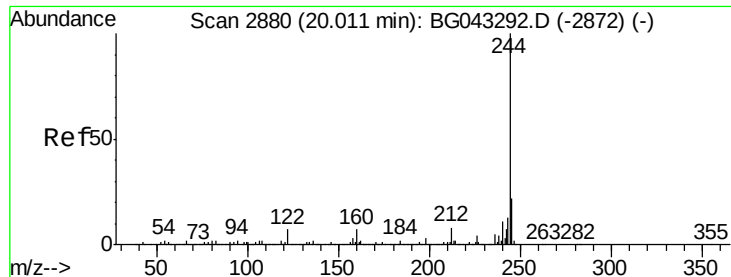
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

20.00



Time-->



#79

Terphenyl-d14

Concen: 78.647 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043446.D

Acq: 31 Oct 2019 22:55

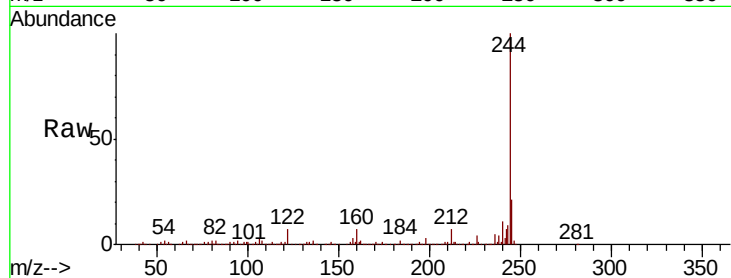
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1166509

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.4	9.6
122	6.6	5.3	7.9

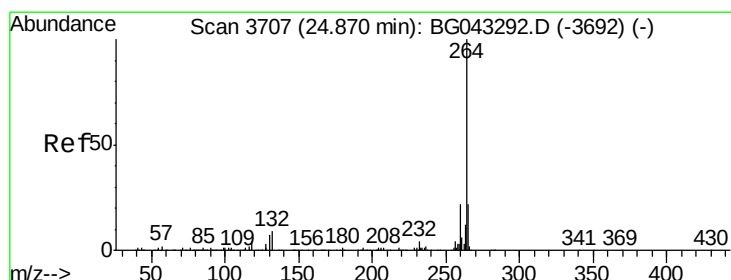
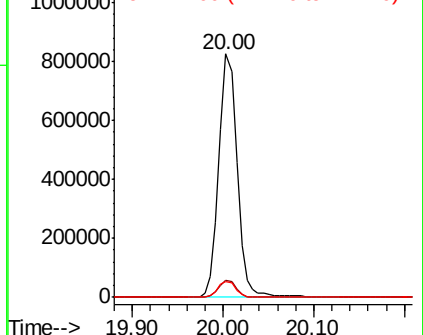
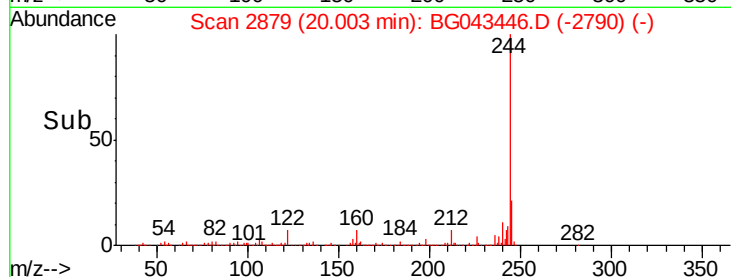


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 24.86 min Scan# 3706

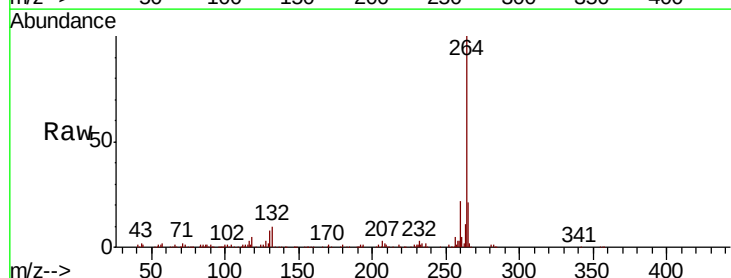
Delta R.T. -0.01 min

Lab File: BG043446.D

Acq: 31 Oct 2019 22:55

Tgt Ion:264 Resp: 334151

Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.9	26.9
265	20.7	17.4	26.2



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

