

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111119\
 Data File : BG043598.D
 Acq On : 12 Nov 2019 00:30
 Operator : JU
 Sample : K5760-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 12 07:48:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

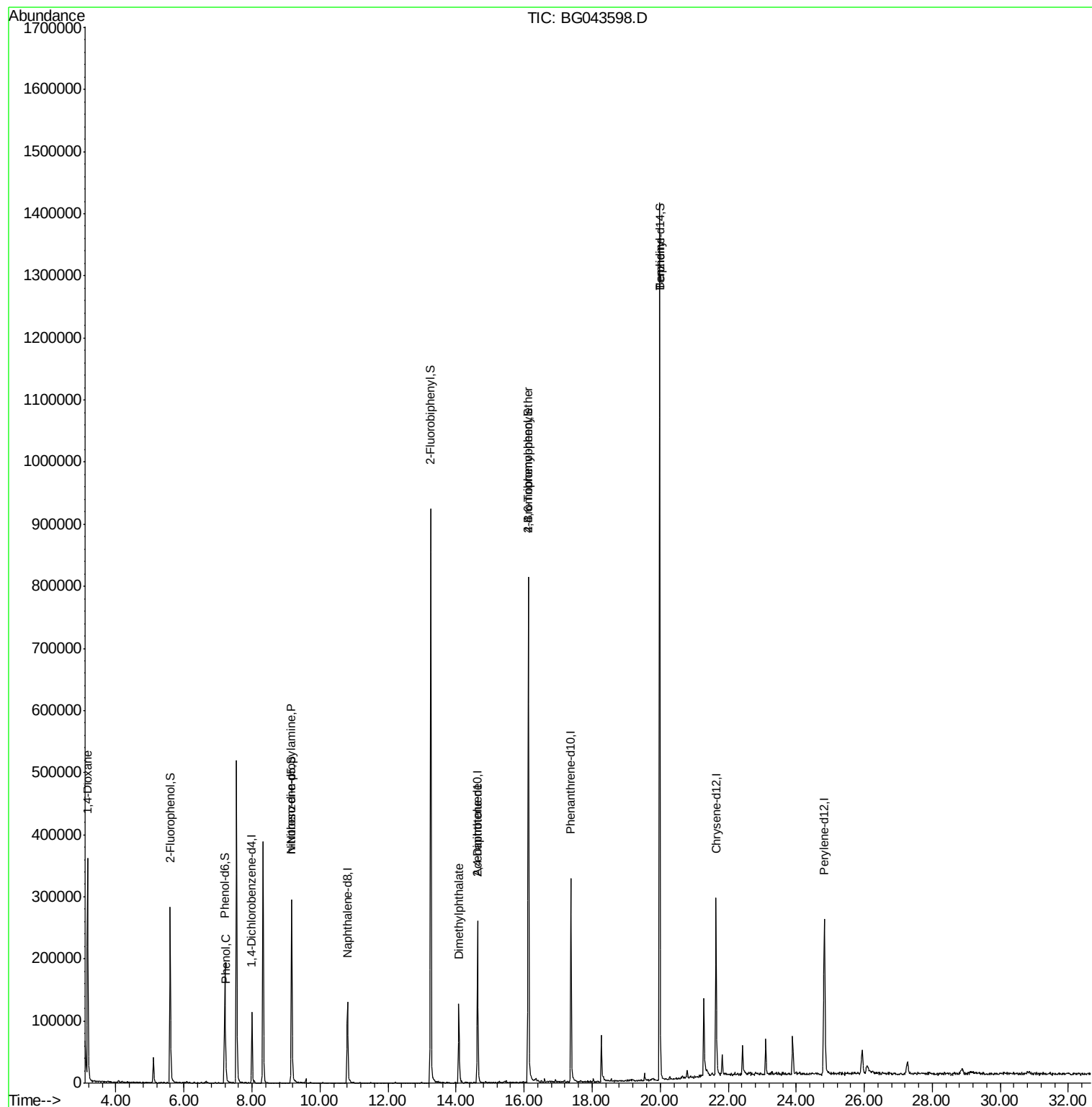
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	33930	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	133158	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	99286	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	232985	20.00	ng	-0.01
76) Chrysene-d12	21.64	240	202908	20.00	ng	-0.01
87) Perylene-d12	24.83	264	242710	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	137680	74.36	ng	0.00
7) Phenol-d6	7.20	99	125045	46.94	ng	0.00
23) Nitrobenzene-d5	9.16	82	203000	78.60	ng	-0.01
42) 2,4,6-Tribromophenol	16.13	330	202315	107.08	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	537279	74.78	ng	-0.01
79) Terphenyl-d14	19.99	244	756900	69.98	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.16	88	4597	6.371	ng	# 1
10) Phenol	7.22	94	18884	7.757	ng	# 94
19) n-Nitroso-di-n-propylamine	9.16	70	28741	16.696	ng	# 80
50) Dimethylphthalate	14.08	163	94644	12.307	ng	# 100
57) 2,4-Dinitrotoluene	14.63	165	13554	5.677	ng	# 28
67) 4-Bromophenyl-phenylether	16.13	248	12936	4.126	ng	# 1
77) Benzidine	19.99	184	10961	2.684	ng	# 93

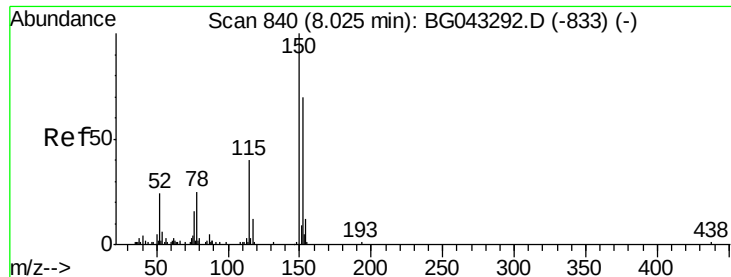
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
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QLast Update : Mon Nov 04 15:22:15 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.00 min Scan# 836

Delta R.T. -0.01 min

Lab File: BG043598.D

Acq: 12 Nov 2019 00:30

Instrument :

BNA_G

ClientSampleId :

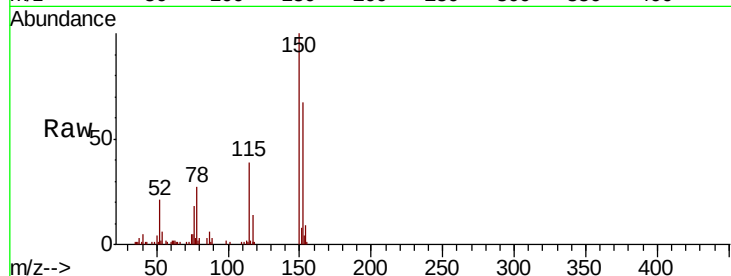
Tot Ion:152 Resp: 33930

Ion Ratio Lower Upper

152 100

150 149.5 129.4 194.0

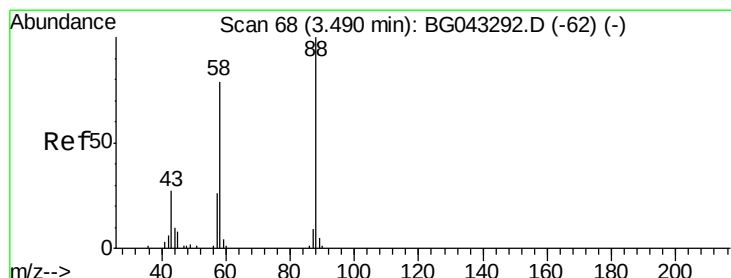
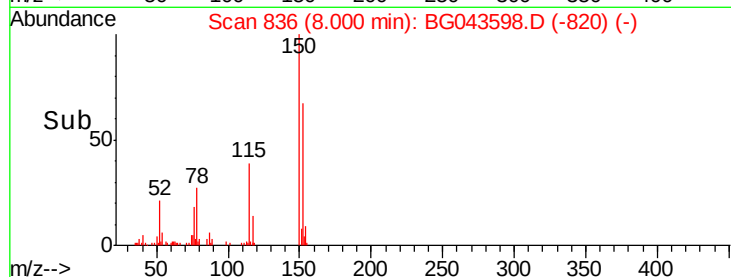
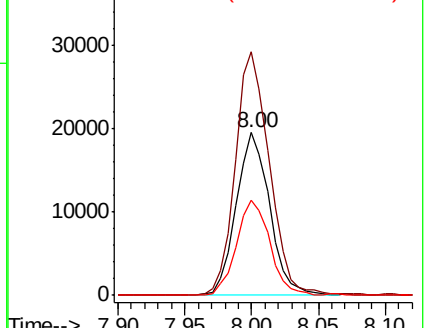
115 58.5 48.8 73.2



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



#2

1,4-Dioxane

Concen: 6.371 ng

RT: 3.16 min Scan# 13

Delta R.T. -0.31 min

Lab File: BG043598.D

Acq: 12 Nov 2019 00:30

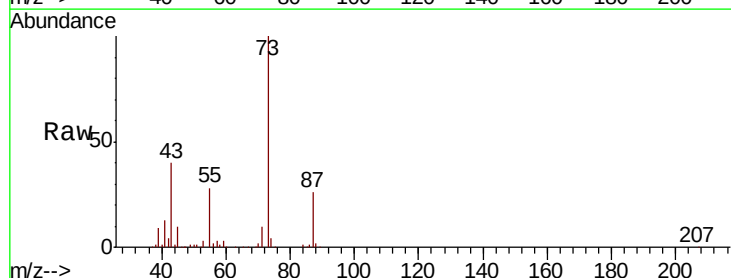
Tgt Ion: 88 Resp: 4597

Ion Ratio Lower Upper

88 100

58 53.9 62.7 94.1#

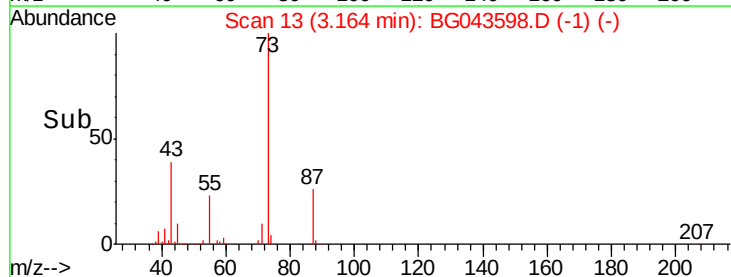
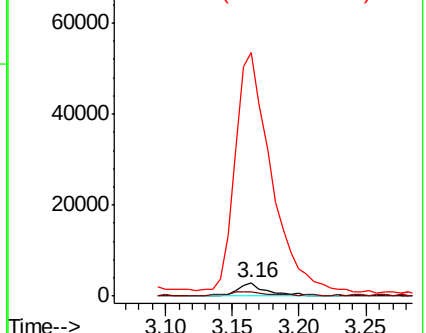
43 2149.4 23.7 35.5#

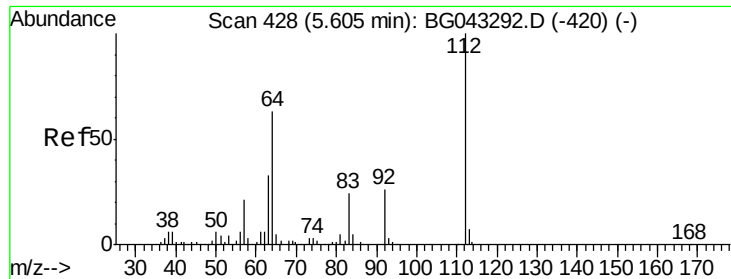


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 74.356 ng

RT: 5.60 min Scan# 427

Delta R.T. 0.00 min

Lab File: BG043598.D

Acq: 12 Nov 2019 00:30

Instrument :

BNA_G

ClientSampleId :

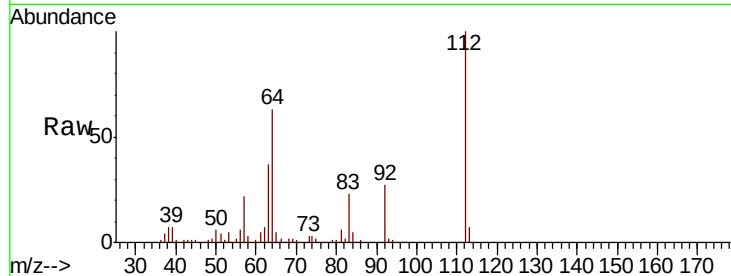
Tot Ion:112 Resp: 137680

Ion Ratio Lower Upper

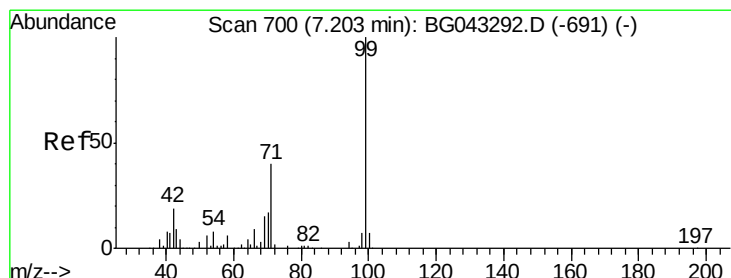
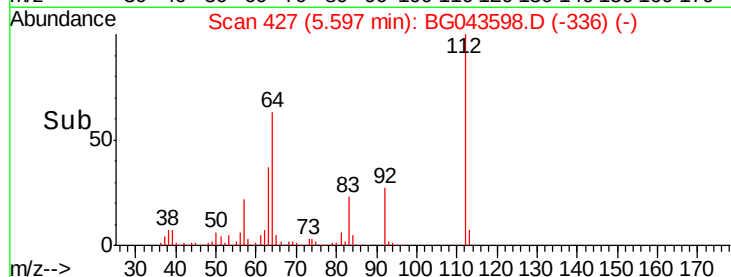
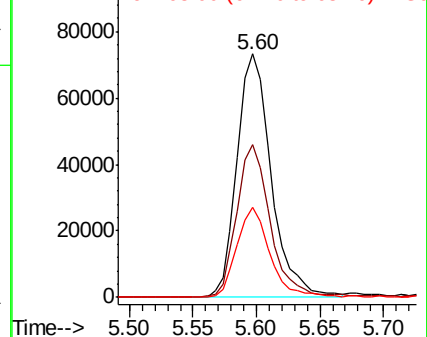
112 100

64 62.9 50.0 75.0

63 37.1 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 46.938 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG043598.D

Acq: 12 Nov 2019 00:30

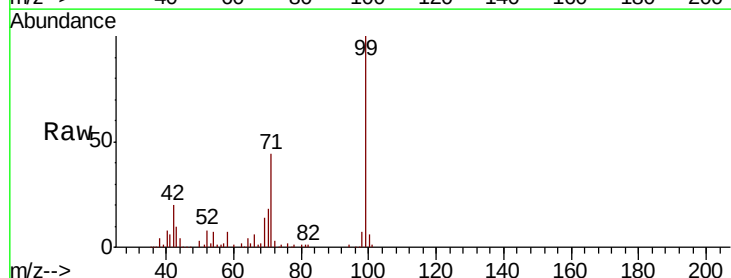
Tgt Ion: 99 Resp: 125045

Ion Ratio Lower Upper

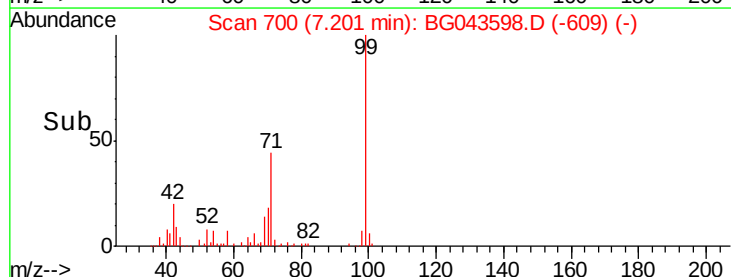
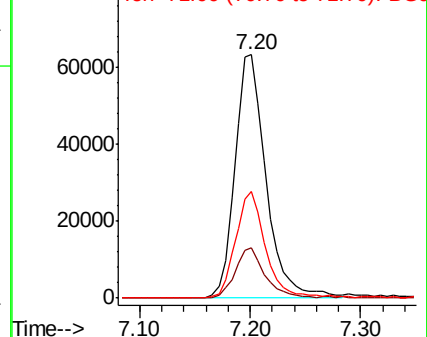
99 100

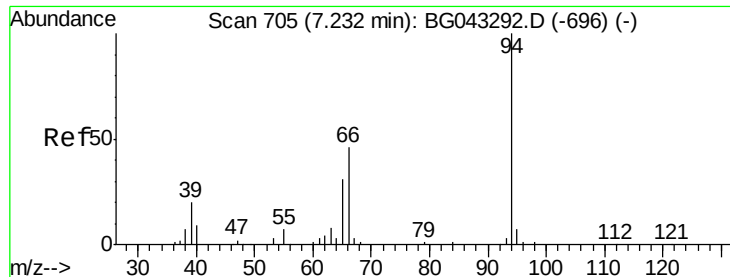
42 20.5 14.6 21.8

71 43.9 32.5 48.7



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: 7.757 ng

RT: 7.22 min Scan# 704

Delta R.T. 0.00 min

Lab File: BG043598.D

Acq: 12 Nov 2019 00:30

Instrument :

BNA_G

ClientSampleId :

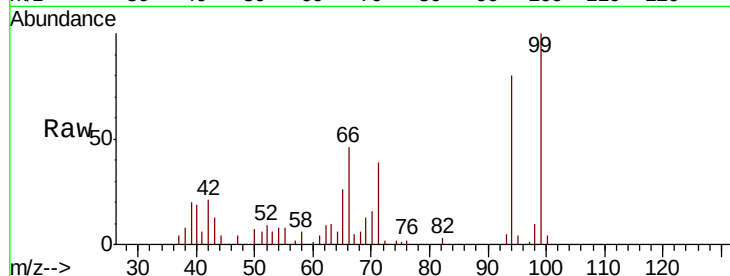
Tot Ion: 94 Resp: 18884

Ion Ratio Lower Upper

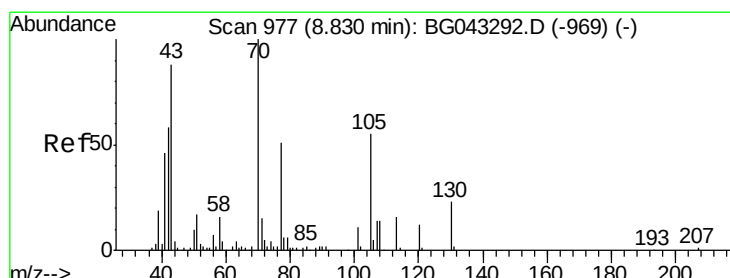
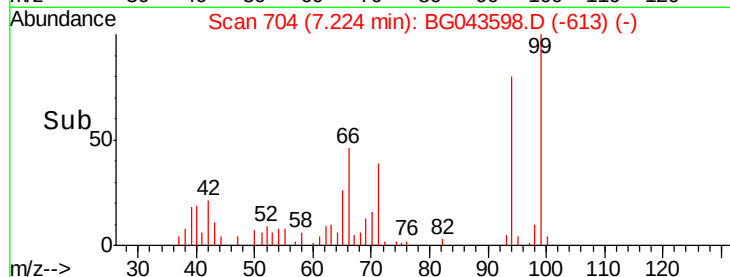
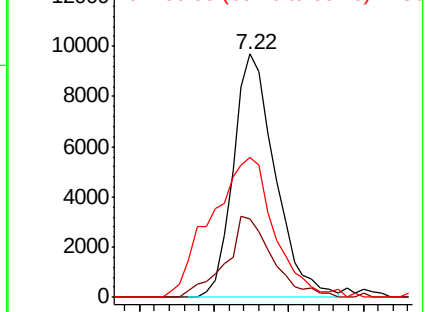
94 100

65 32.3 12.6 52.6

66 57.6 30.7 70.7



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: 16.696 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG043598.D

Acq: 12 Nov 2019 00:30

Tgt Ion: 70 Resp: 28741

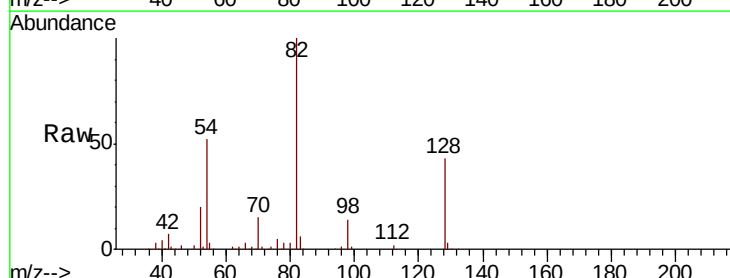
Ion Ratio Lower Upper

70 100

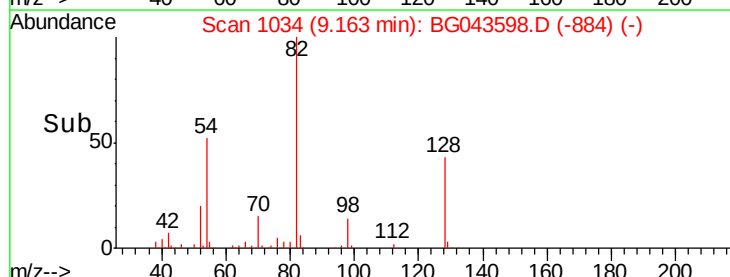
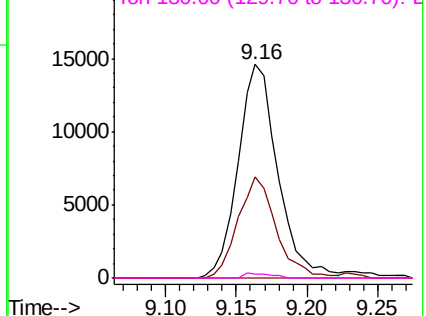
42 47.1 41.4 62.2

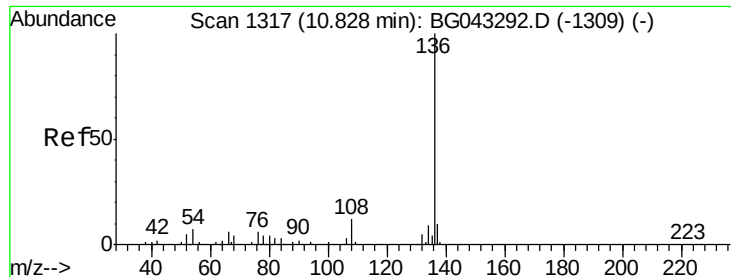
101 0.0 7.9 11.9#

130 1.6 19.0 28.4#



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: 10.81 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BG043598.D

Acq: 12 Nov 2019 00:30

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 133158

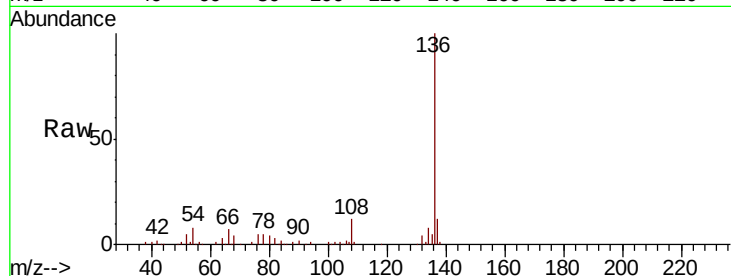
Ion Ratio Lower Upper

136 100

137 11.6 8.7 13.1

54 7.8 5.4 8.2

68 4.1 3.0 4.4

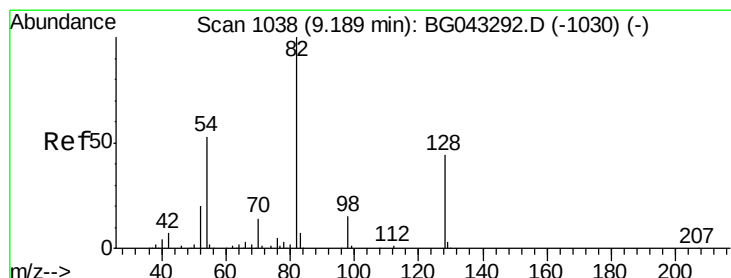
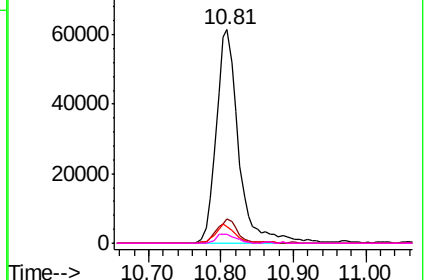
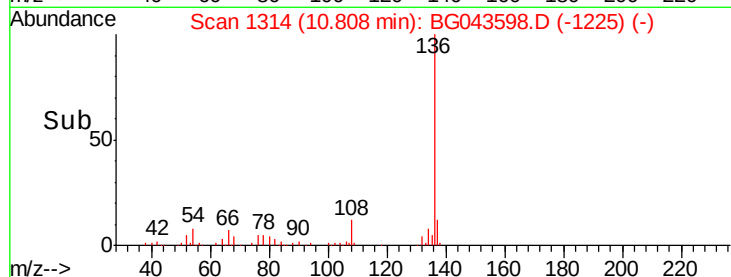


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.595 ng

RT: 9.16 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BG043598.D

Acq: 12 Nov 2019 00:30

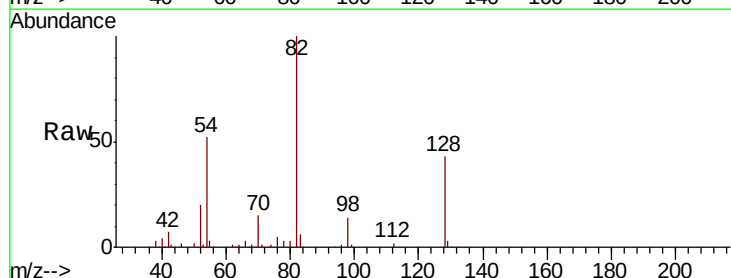
Tgt Ion: 82 Resp: 203000

Ion Ratio Lower Upper

82 100

128 42.5 35.0 52.6

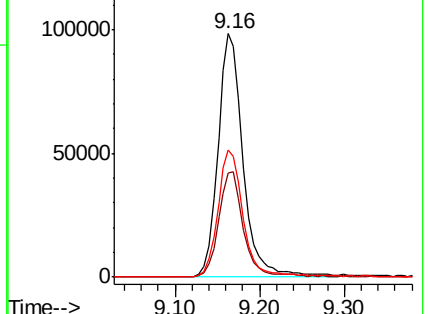
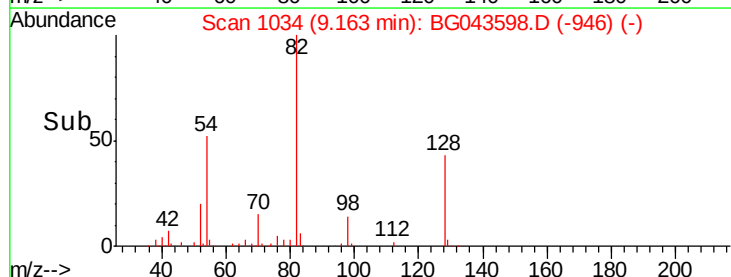
54 52.2 40.2 60.2

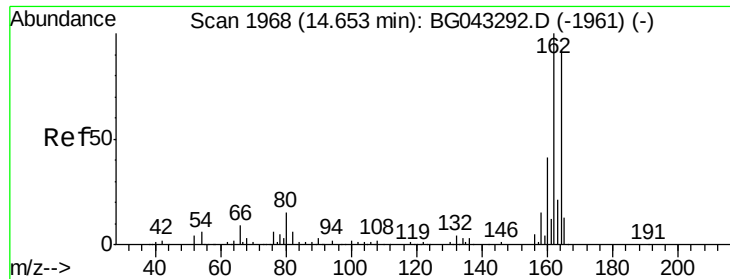


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.63 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BG043598.D

Acq: 12 Nov 2019 00:30

Instrument :

BNA_G

ClientSampleId :

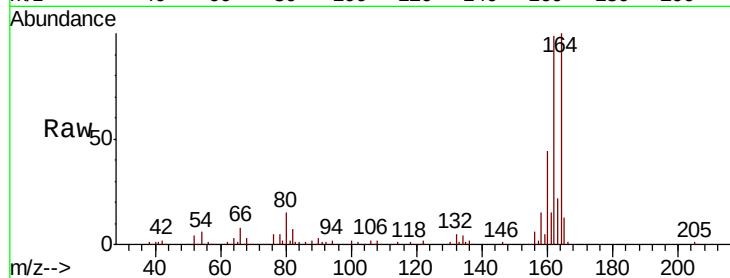
Tot Ion:164 Resp: 99286

Ion Ratio Lower Upper

164 100

162 99.2 83.5 125.3

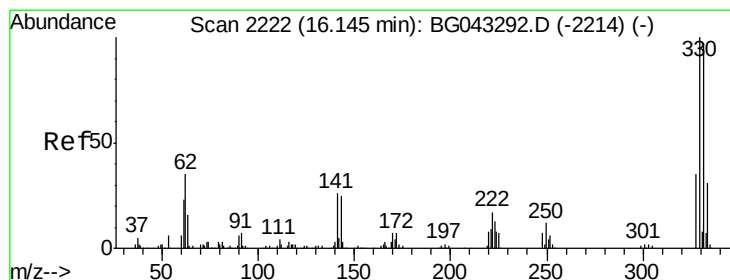
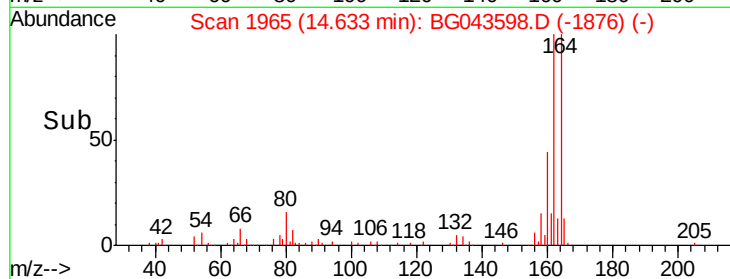
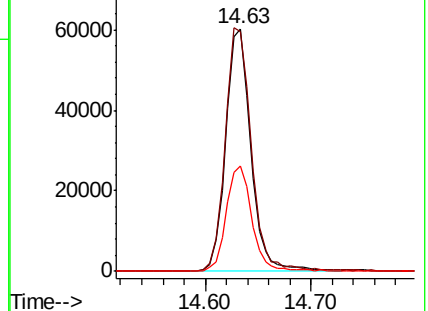
160 43.6 36.5 54.7



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: 107.078 ng

RT: 16.13 min Scan# 2219

Delta R.T. -0.01 min

Lab File: BG043598.D

Acq: 12 Nov 2019 00:30

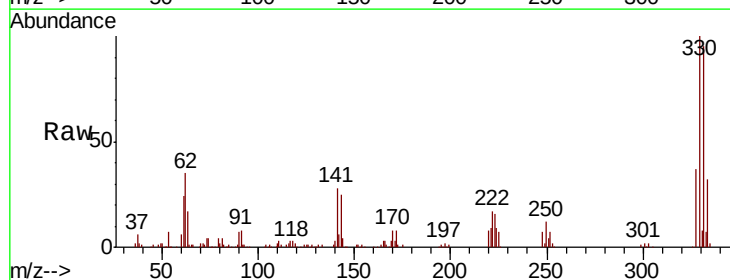
Tgt Ion:330 Resp: 202315

Ion Ratio Lower Upper

330 100

332 98.7 77.4 116.0

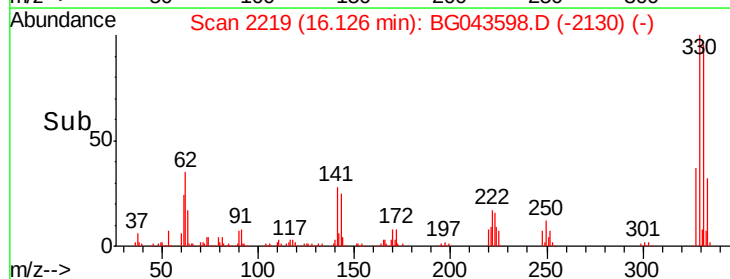
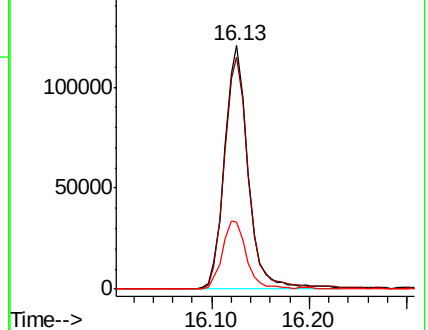
141 28.7 22.8 34.2

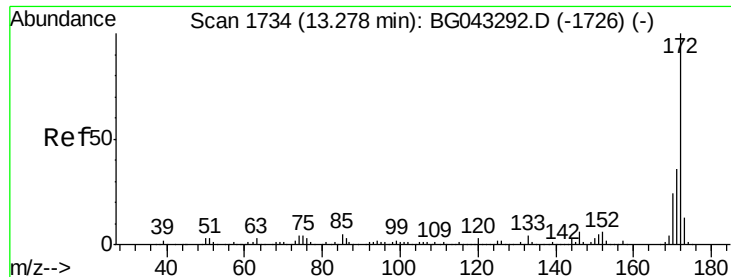


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

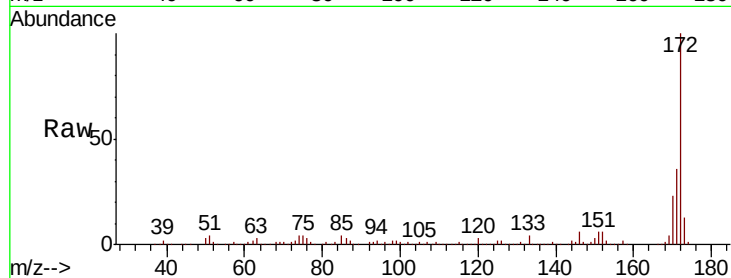




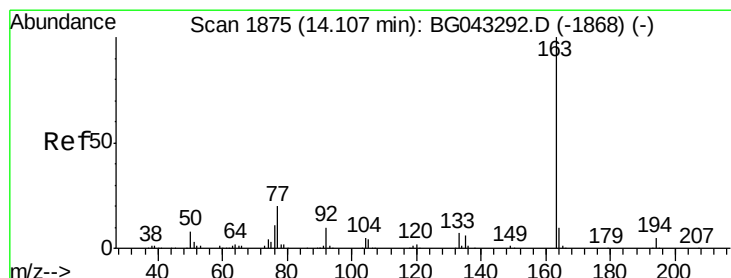
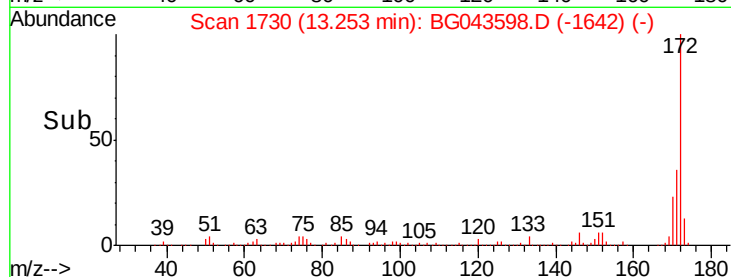
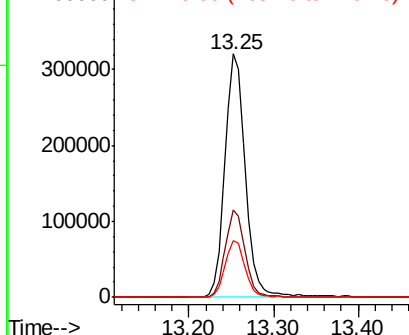
#45
 2-Fluorobiphenyl
 Concen: 74.775 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.01 min
 Lab File: BG043598.D
 Acq: 12 Nov 2019 00:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 537279
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.9 43.3
 170 23.2 18.5 27.7

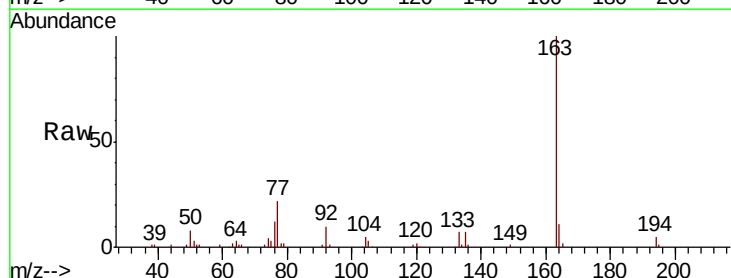


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

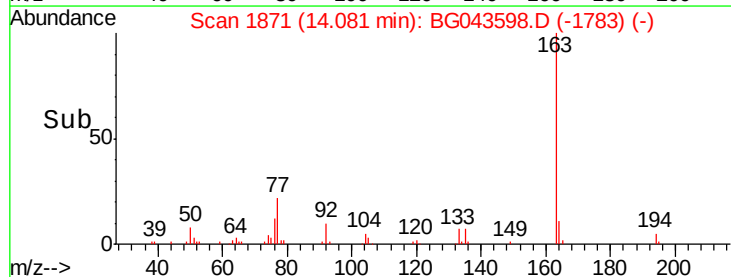
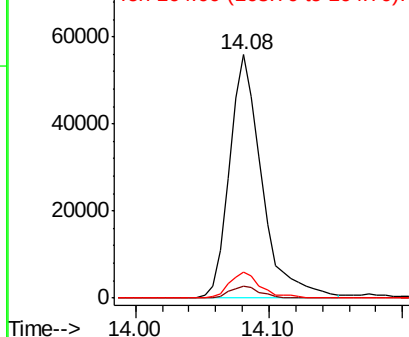


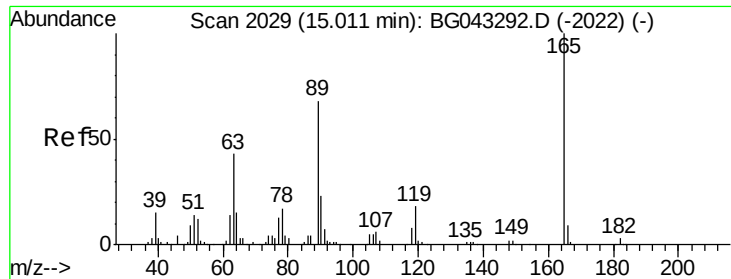
#50
 Dimethylphthalate
 Concen: 12.307 ng
 RT: 14.08 min Scan# 1871
 Delta R.T. -0.01 min
 Lab File: BG043598.D
 Acq: 12 Nov 2019 00:30

Tgt Ion:163 Resp: 94644
 Ion Ratio Lower Upper
 163 100
 194 4.8 3.8 5.6
 164 10.9 8.9 13.3



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

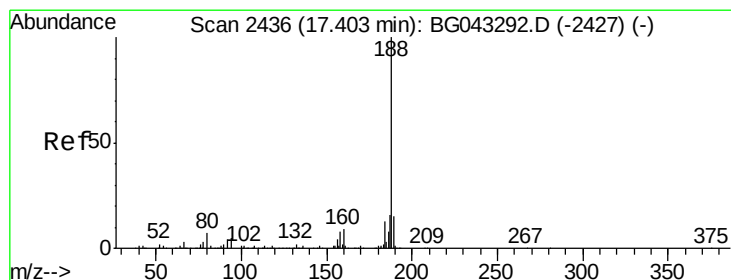
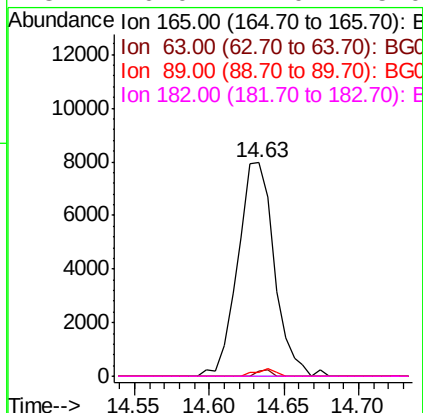
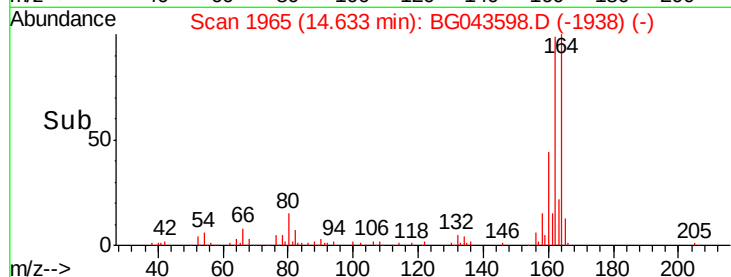
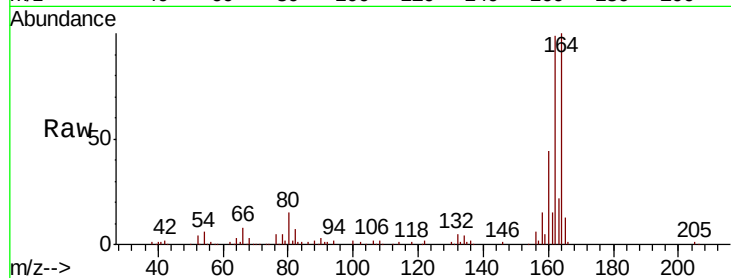




#57
 2,4-Dinitrotoluene
 Concen: 5.677 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. -0.37 min
 Lab File: BG043598.D
 Acq: 12 Nov 2019 00:30

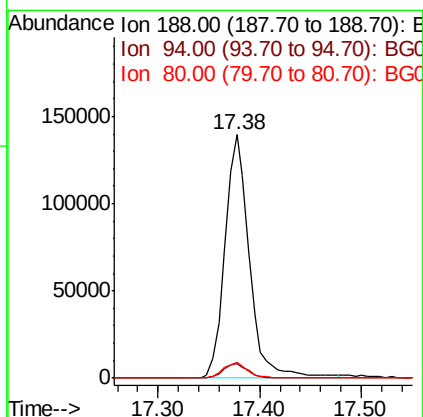
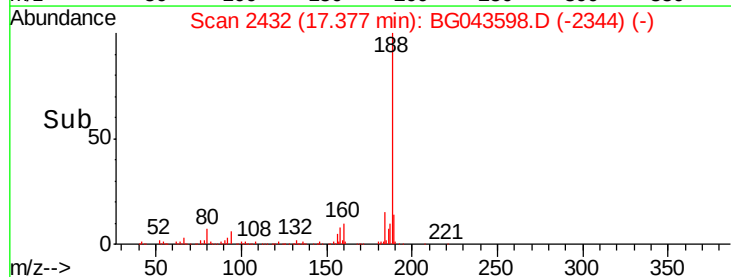
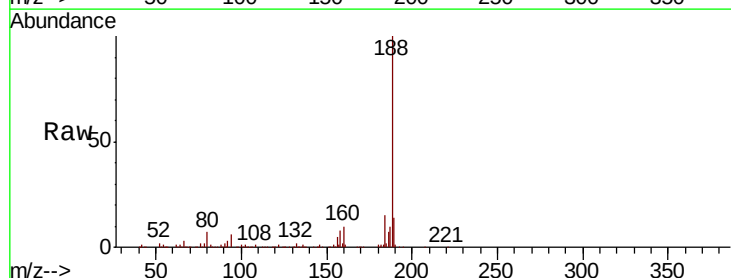
Instrument :
 BNA_G
 ClientSampleId :

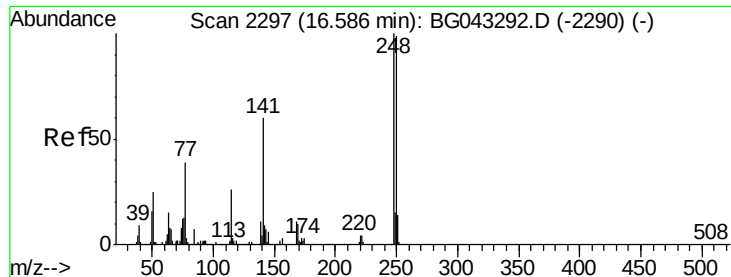
Tot Ion:	165	Resp:	13554
Ion	Ratio	Lower	Upper
165	100		
63	2.4	33.2	49.8#
89	2.0	52.2	78.4#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2432
 Delta R.T. -0.01 min
 Lab File: BG043598.D
 Acq: 12 Nov 2019 00:30

Tgt Ion:	188	Resp:	232985
Ion	Ratio	Lower	Upper
188	100		
94	6.0	4.2	6.4
80	6.5	4.5	6.7

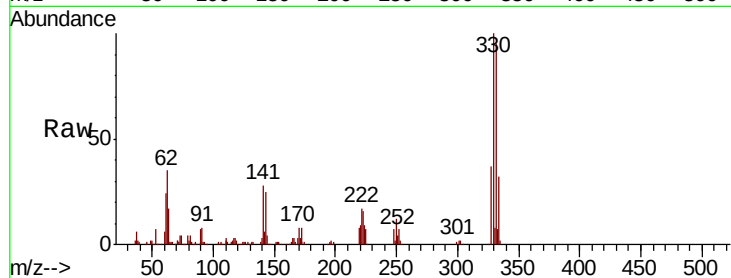




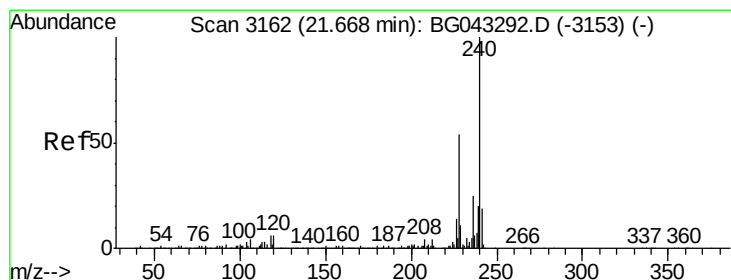
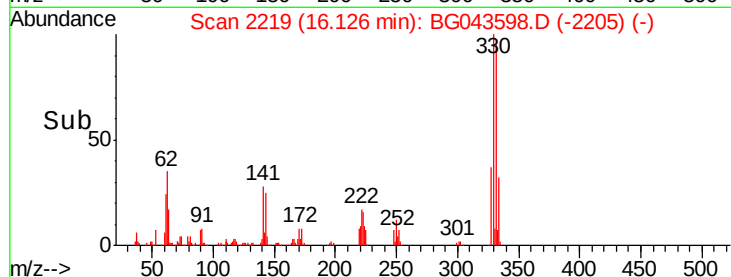
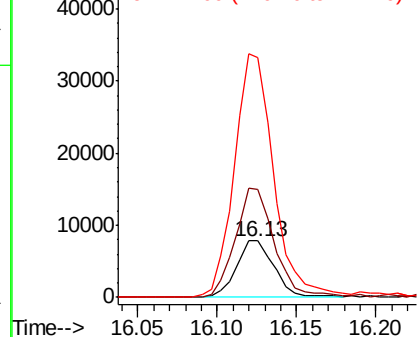
#67
4-Bromophenyl-phenylether
Concen: 4.126 ng
RT: 16.13 min Scan# 2219
Delta R.T. -0.45 min
Lab File: BG043598.D
Acq: 12 Nov 2019 00:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 12936
Ion Ratio Lower Upper
248 100
250 189.8 77.0 115.4#
141 424.8 47.5 71.3#

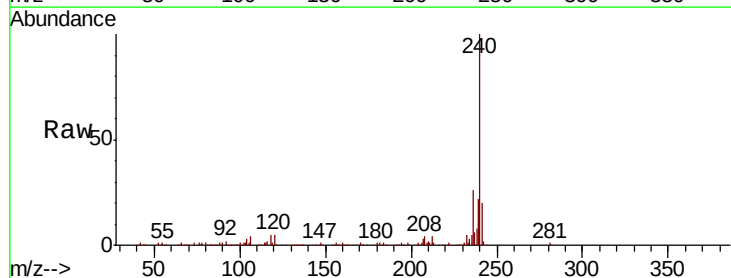


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

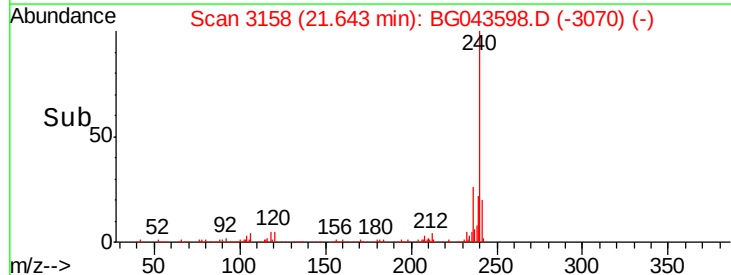
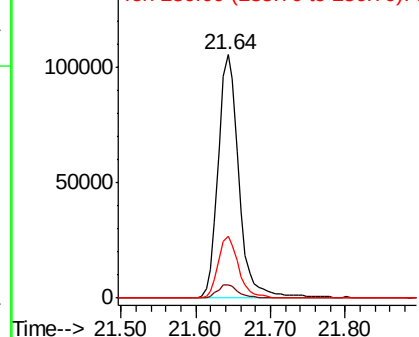


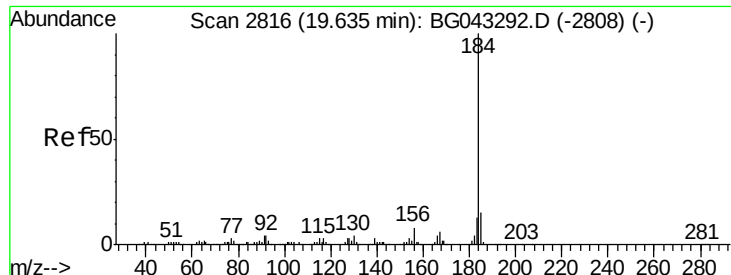
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3158
Delta R.T. -0.01 min
Lab File: BG043598.D
Acq: 12 Nov 2019 00:30

Tgt Ion:240 Resp: 202908
Ion Ratio Lower Upper
240 100
120 5.4 4.6 6.8
236 25.5 19.8 29.8



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





#77

Benzidine

Concen: 2.684 ng

RT: 19.99 min Scan# 2876

Delta R.T. 0.36 min

Lab File: BG043598.D

Acq: 12 Nov 2019 00:30

Instrument :

BNA_G

ClientSampled :

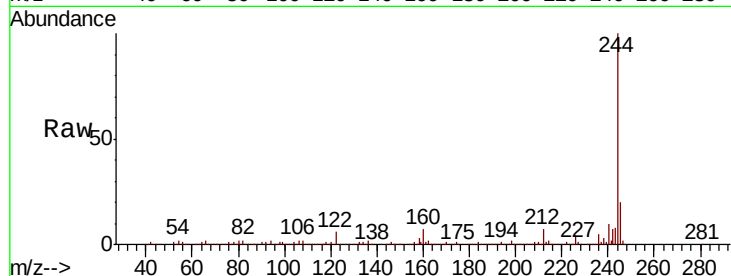
Tot Ion:184 Resp: 10961

Ion Ratio Lower Upper

184 100

185 16.5 11.0 16.4#

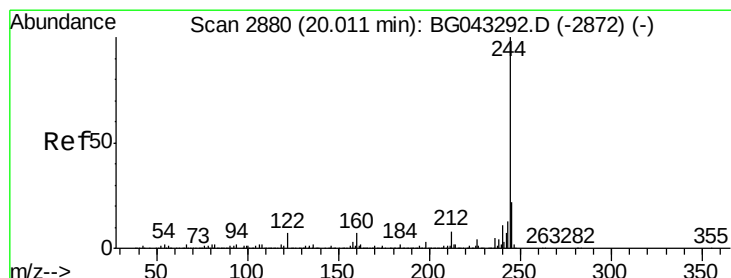
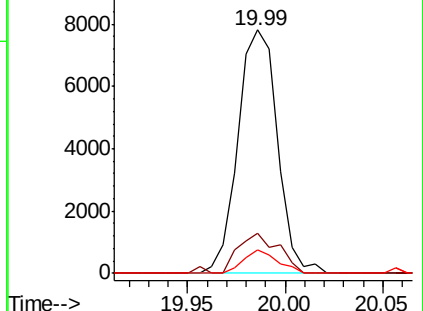
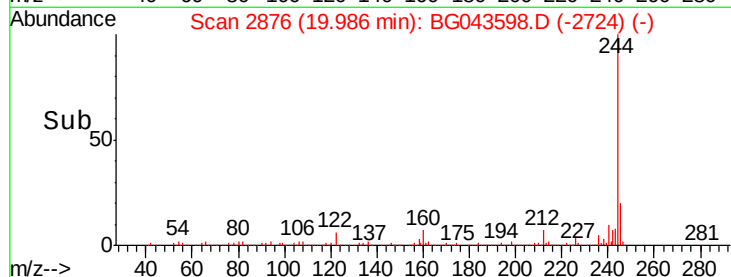
183 9.4 10.0 15.0#



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



#79

Terphenyl-d14

Concen: 69.982 ng

RT: 19.99 min Scan# 2876

Delta R.T. -0.01 min

Lab File: BG043598.D

Acq: 12 Nov 2019 00:30

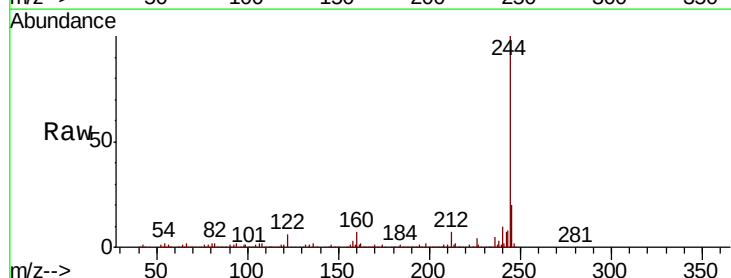
Tgt Ion:244 Resp: 756900

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

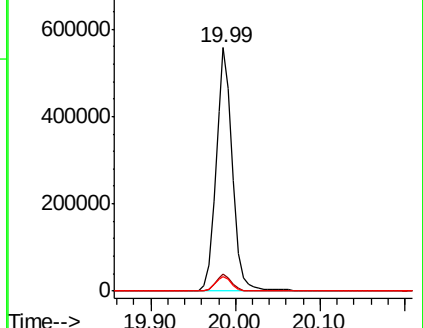
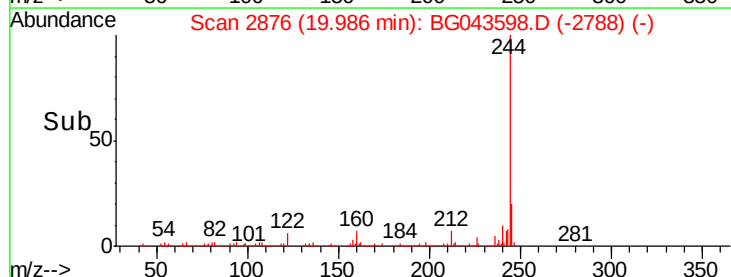
122 6.2 5.4 8.2

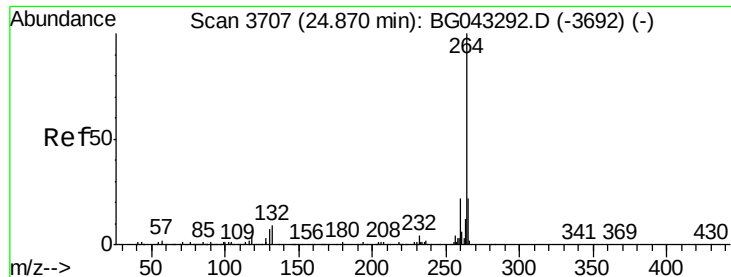


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.83 min Scan# 3700
 Delta R.T. -0.03 min
 Lab File: BG043598.D
 Acq: 12 Nov 2019 00:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.5	26.3
265	23.0	17.4	26.0

