

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111119\
 Data File : BG043597.D
 Acq On : 11 Nov 2019 23:51
 Operator : JU
 Sample : K5746-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1A-COMP

Quant Time: Nov 12 00:50:04 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

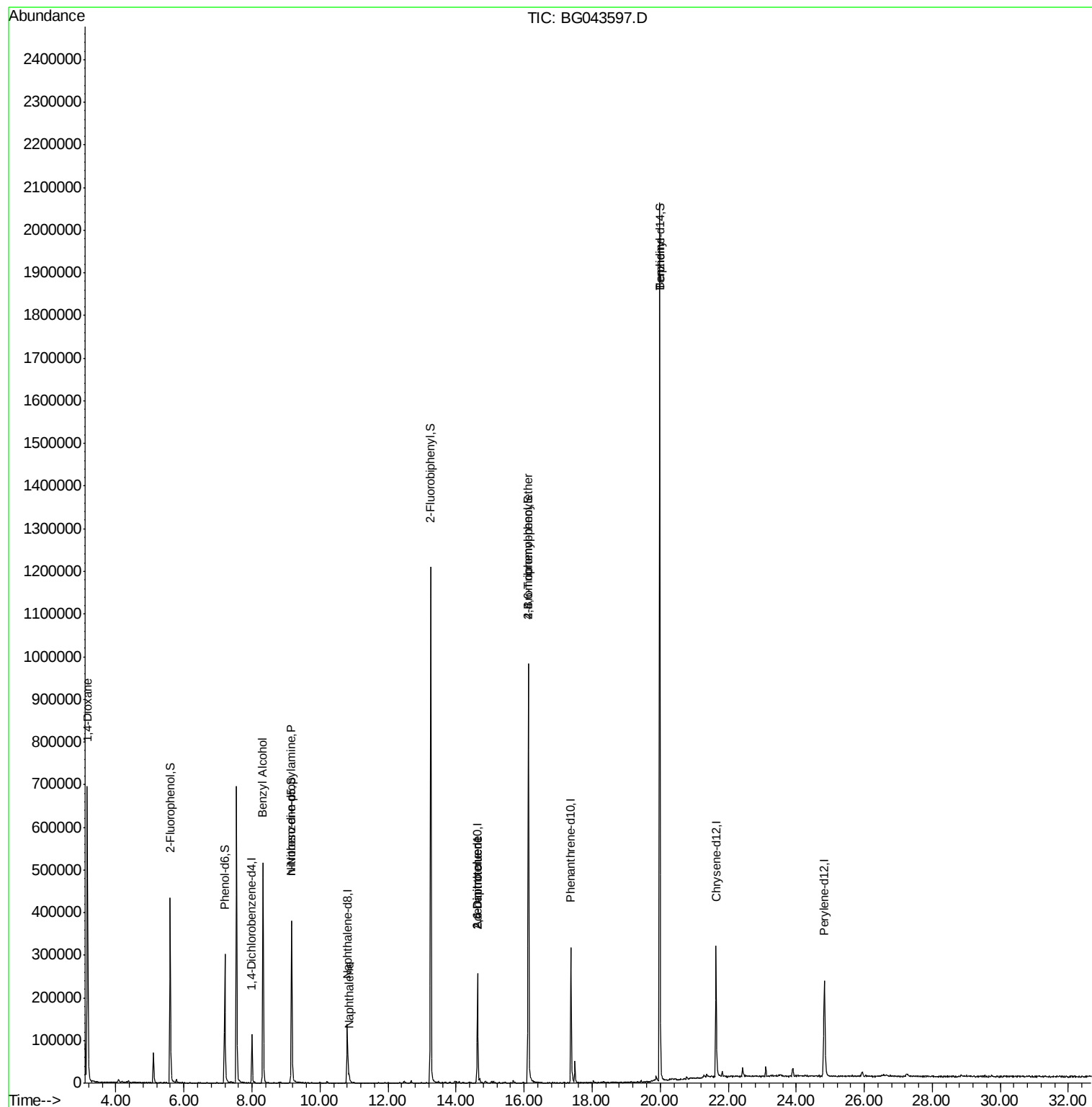
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	34664	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	134940	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	97833	20.00	ng	-0.01
64) Phenanthrene-d10	17.38	188	221276	20.00	ng	-0.01
76) Chrysene-d12	21.64	240	217913	20.00	ng	-0.01
87) Perylene-d12	24.83	264	252042	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	209316	110.65	ng	0.00
7) Phenol-d6	7.20	99	192146	70.60	ng	0.00
23) Nitrobenzene-d5	9.16	82	253014	96.67	ng	-0.01
42) 2,4,6-Tribromophenol	16.13	330	239964	128.89	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	678996	95.90	ng	-0.01
79) Terphenyl-d14	19.99	244	1161505	100.00	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.16	88	7454	10.112	ng	# 1
15) Benzyl Alcohol	8.32	79	4305	2.252	ng	# 46
19) n-Nitroso-di-n-propylamine	9.16	70	34936	19.865	ng	# 78
31) Naphthalene	10.86	128	14482	2.114	ng	# 98
51) 2,6-Dinitrotoluene	14.63	165	12840	7.799	ng	# 24
57) 2,4-Dinitrotoluene	14.63	165	12840	5.458	ng	# 27
67) 4-Bromophenyl-phenylether	16.12	248	15916	5.345	ng	# 1
77) Benzidine	19.99	184	16822	3.836	ng	# 89

(#) = 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: BG043597.D

Acq: 11 Nov 2019 23:51

Instrument :

BNA_G

ClientSampleId :

TP-1A-COMP

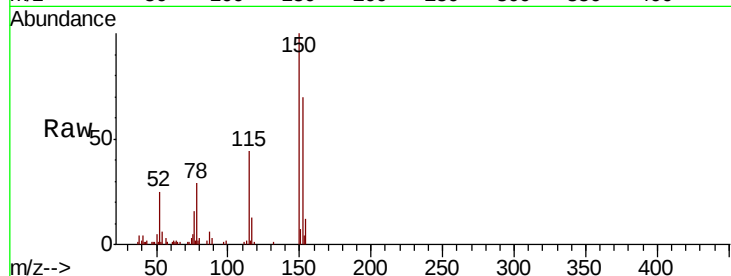
Tot Ion:152 Resp: 34664

Ion Ratio Lower Upper

152 100

150 143.3 129.4 194.0

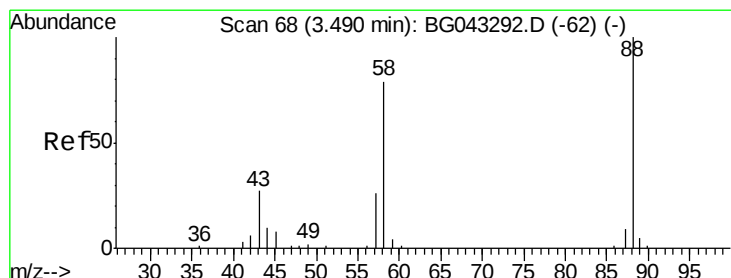
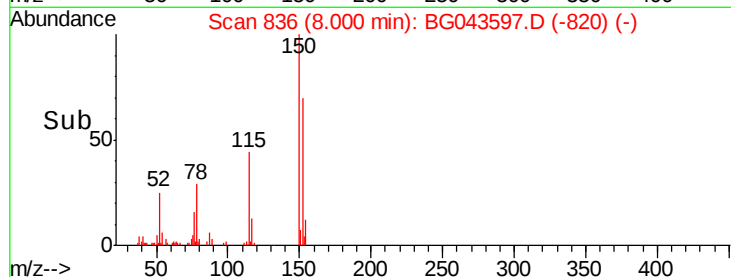
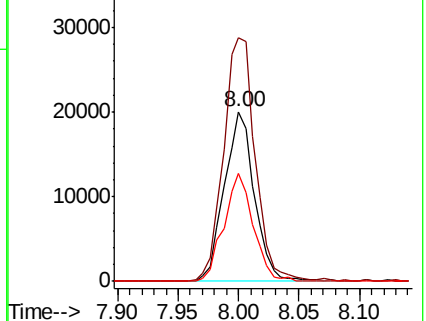
115 63.7 48.8 73.2



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: 10.112 ng

RT: 3.16 min Scan# 12

Delta R.T. -0.31 min

Lab File: BG043597.D

Acq: 11 Nov 2019 23:51

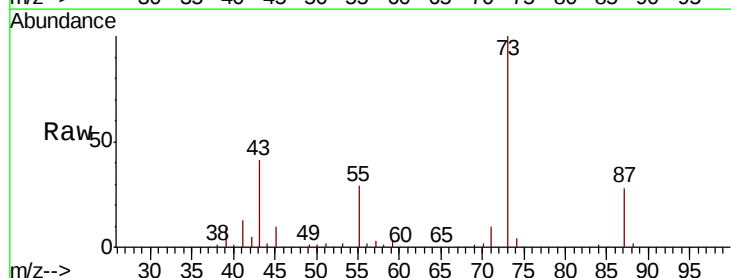
Tgt Ion: 88 Resp: 7454

Ion Ratio Lower Upper

88 100

58 55.9 62.7 94.1#

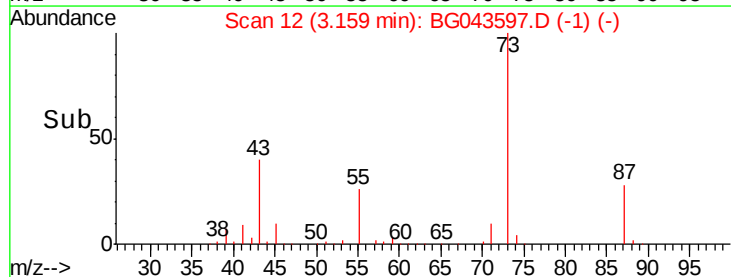
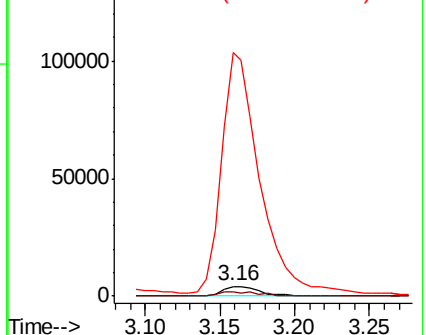
43 2466.5 23.7 35.5#

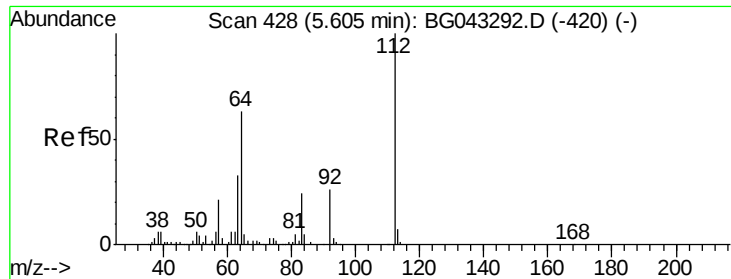


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 110.651 ng

RT: 5.60 min Scan# 427

Delta R.T. 0.00 min

Lab File: BG043597.D

Acq: 11 Nov 2019 23:51

Instrument :

BNA_G

ClientSampleId :

TP-1A-COMP

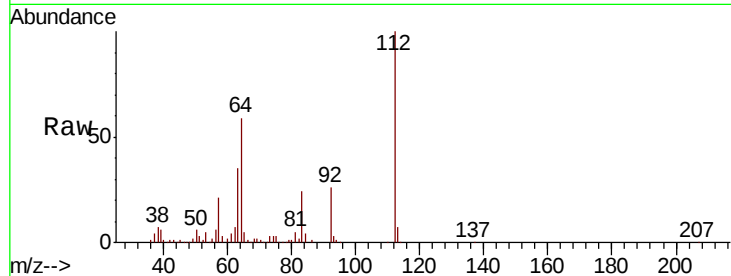
Tot Ion:112 Resp: 209316

Ion Ratio Lower Upper

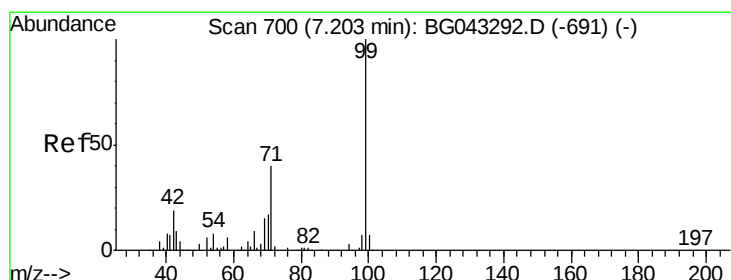
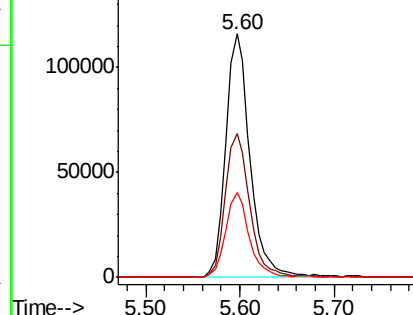
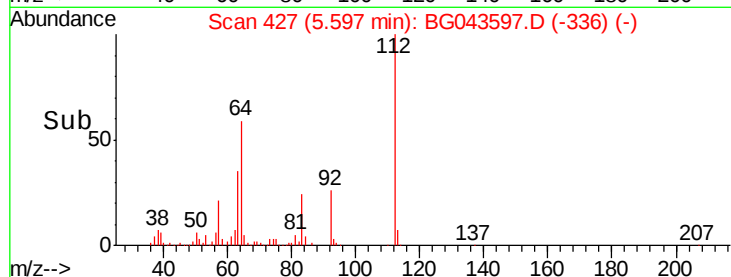
112 100

64 59.1 50.0 75.0

63 35.0 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: 70.598 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG043597.D

Acq: 11 Nov 2019 23:51

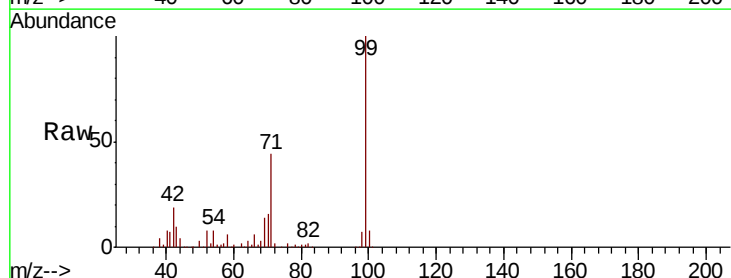
Tgt Ion: 99 Resp: 192146

Ion Ratio Lower Upper

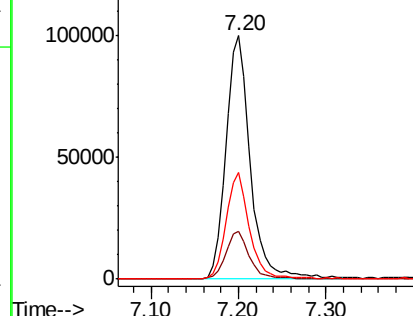
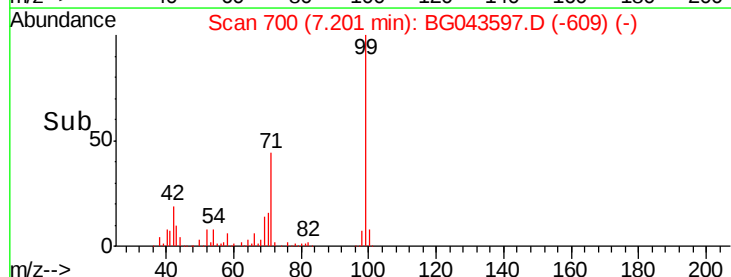
99 100

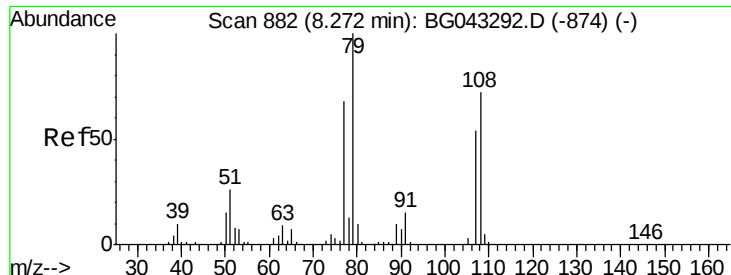
42 19.4 14.6 21.8

71 43.6 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





#15

Benzyl Alcohol

Concen: 2.252 ng

RT: 8.32 min Scan# 891

Delta R.T. 0.07 min

Lab File: BG043597.D

Acq: 11 Nov 2019 23:51

Instrument :

BNA_G

ClientSampleId :

TP-1A-COMP

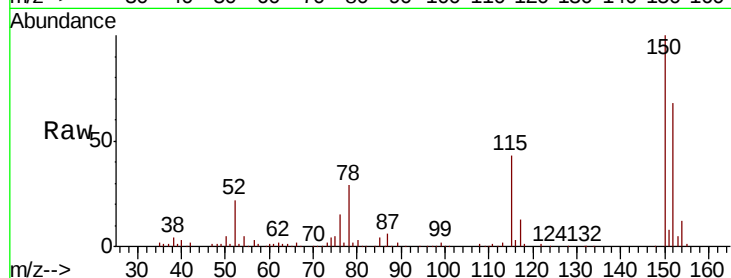
Tot Ion: 79 Resp: 4305

Ion Ratio Lower Upper

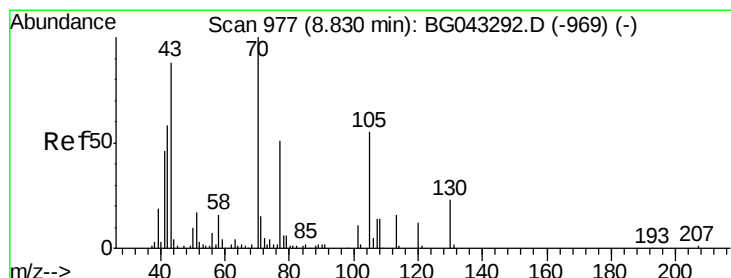
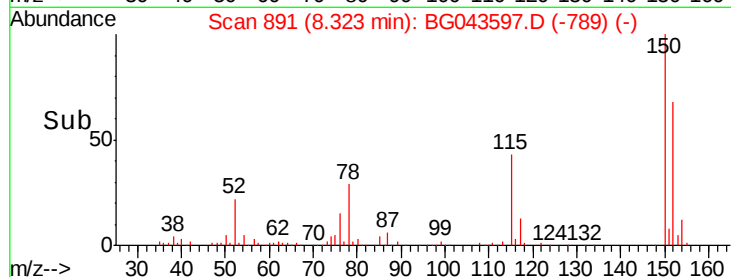
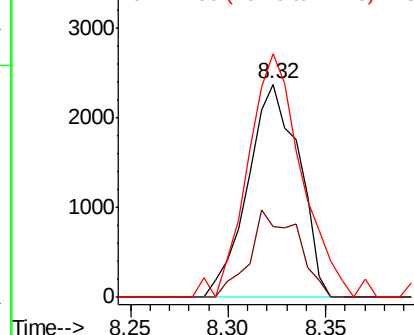
79 100

108 33.2 53.6 80.4#

77 114.1 49.6 74.4#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 19.865 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG043597.D

Acq: 11 Nov 2019 23:51

Tgt Ion: 70 Resp: 34936

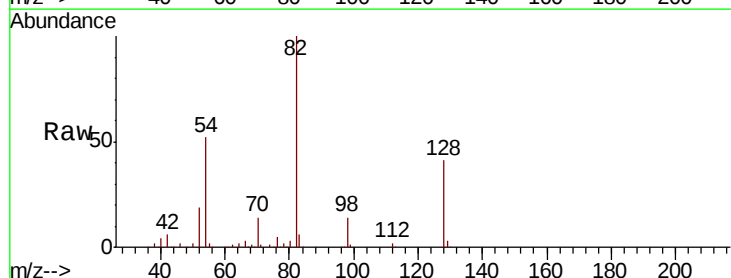
Ion Ratio Lower Upper

70 100

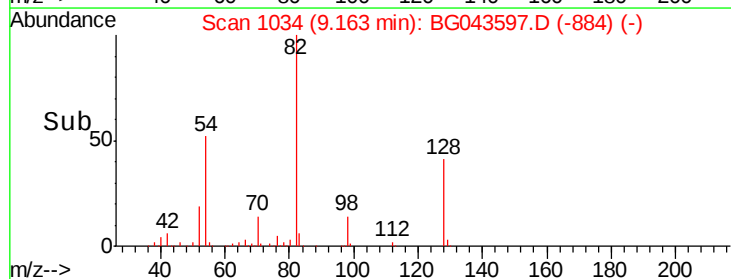
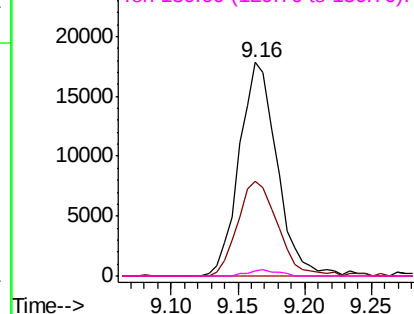
42 44.1 41.4 62.2

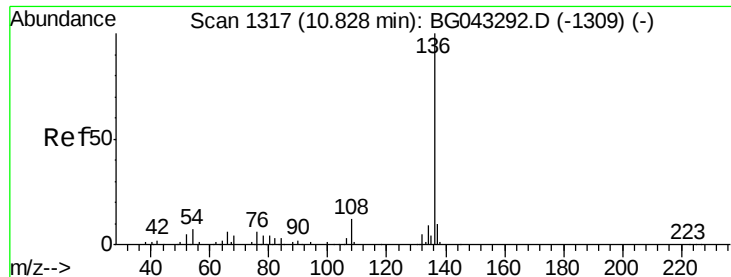
101 0.0 7.9 11.9#

130 2.2 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: BG043597.D

Acq: 11 Nov 2019 23:51

Instrument :

BNA_G

ClientSampleId :

TP-1A-COMP

Tot Ion:136 Resp: 134940

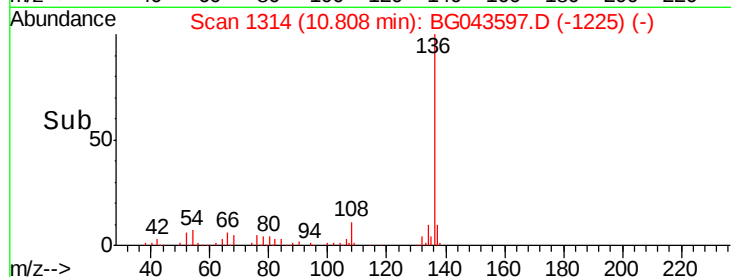
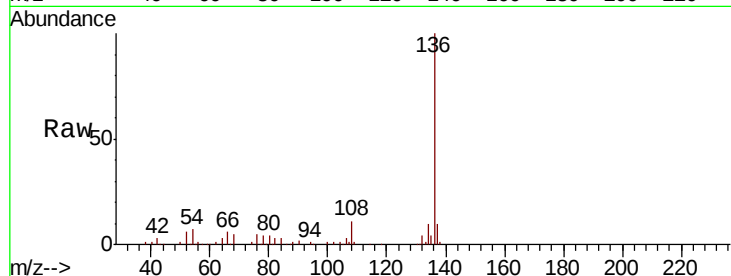
Ion Ratio Lower Upper

136 100

137 9.8 8.7 13.1

54 7.0 5.4 8.2

68 4.5 3.0 4.4#

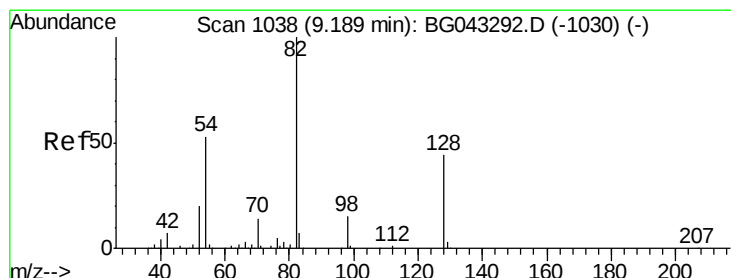
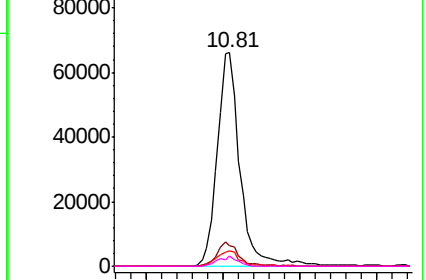


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.665 ng

RT: 9.16 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BG043597.D

Acq: 11 Nov 2019 23:51

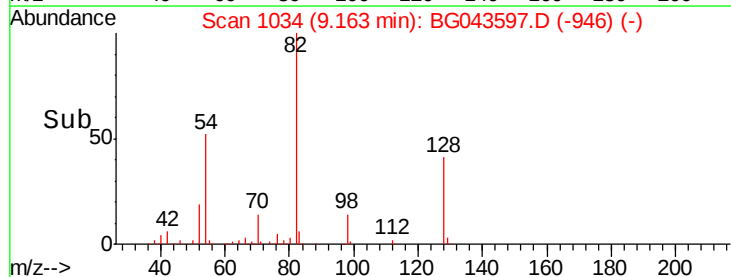
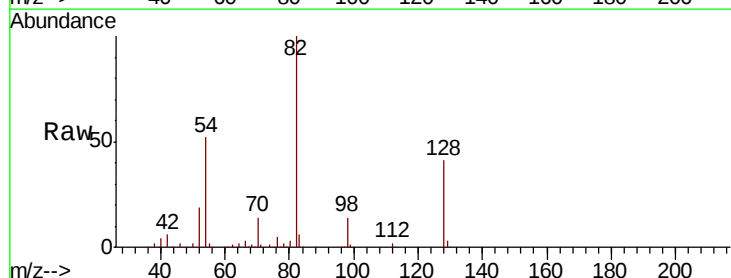
Tgt Ion: 82 Resp: 253014

Ion Ratio Lower Upper

82 100

128 41.3 35.0 52.6

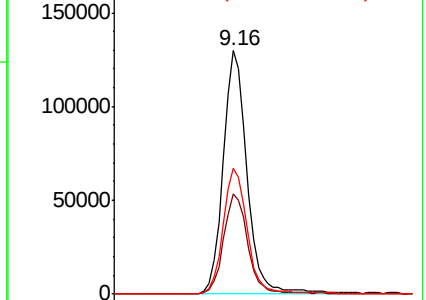
54 51.7 40.2 60.2

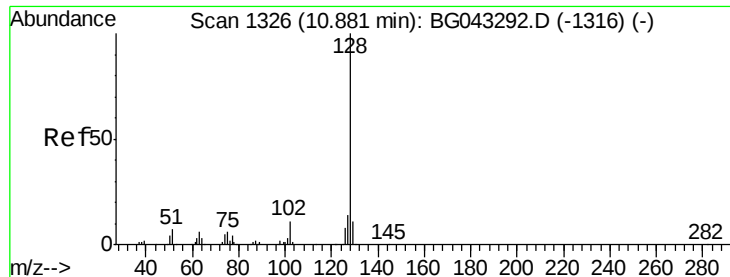


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

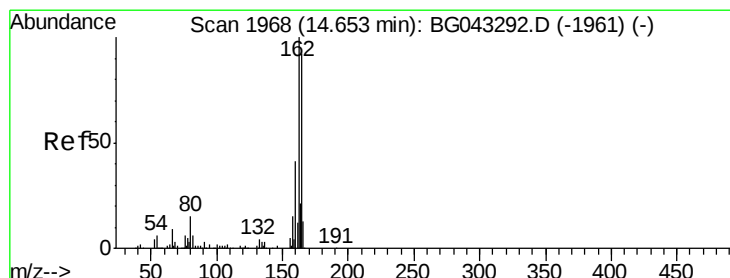
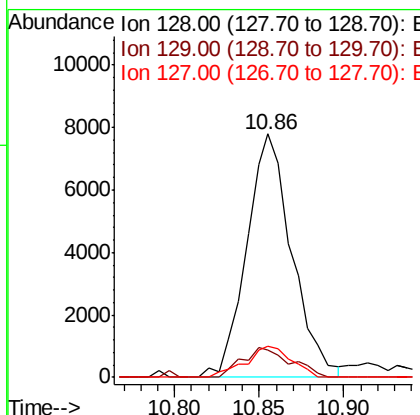
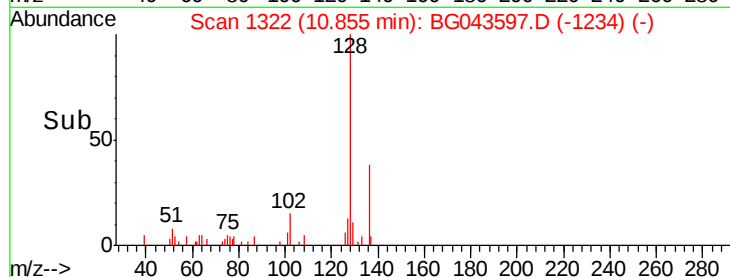
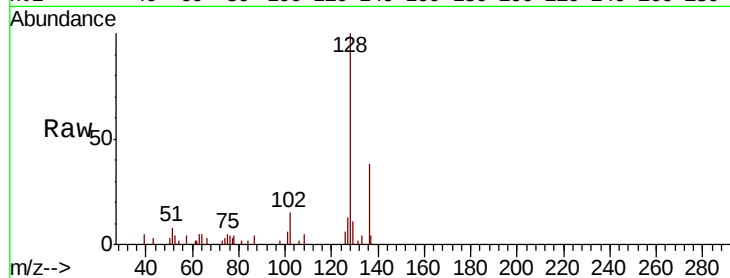




#31
Naphthalene
Concen: 2.114 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG043597.D
Acq: 11 Nov 2019 23:51

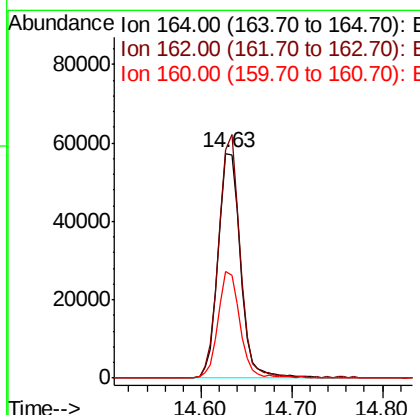
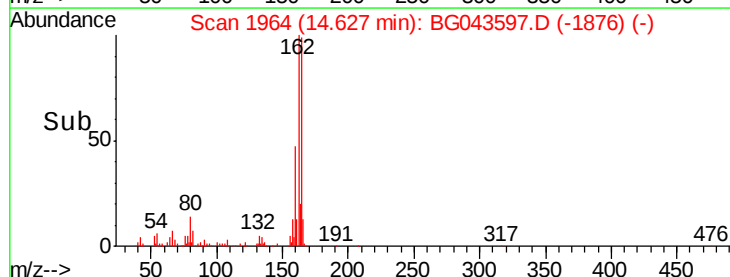
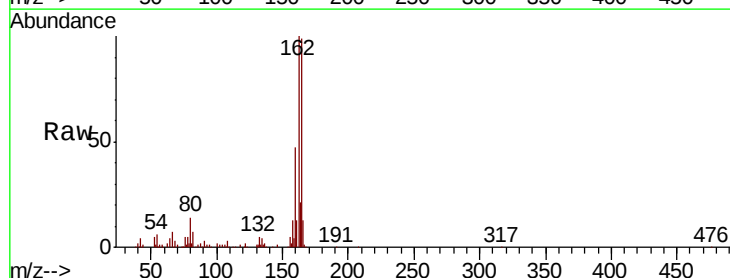
Instrument :
BNA_G
ClientSampleId :
TP-1A-COMP

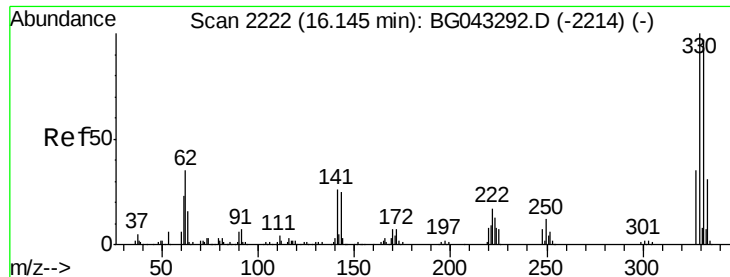
Tot Ion:128 Resp: 14482
Ion Ratio Lower Upper
128 100
129 11.3 9.4 14.0
127 12.9 11.1 16.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BG043597.D
Acq: 11 Nov 2019 23:51

Tgt Ion:164 Resp: 97833
Ion Ratio Lower Upper
164 100
162 101.4 83.5 125.3
160 47.2 36.5 54.7

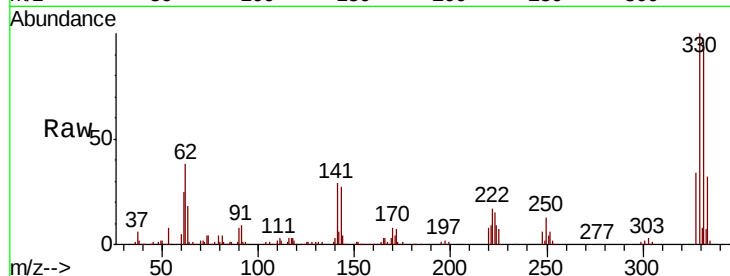




#42
 2,4,6-Tribromophenol
 Concen: 128.891 ng
 RT: 16.13 min Scan# 2219
 Delta R.T. -0.01 min
 Lab File: BG043597.D
 Acq: 11 Nov 2019 23:51

Instrument :
 BNA_G
 ClientSampleId :
 TP-1A-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.4	116.0
141	29.0	22.8	34.2

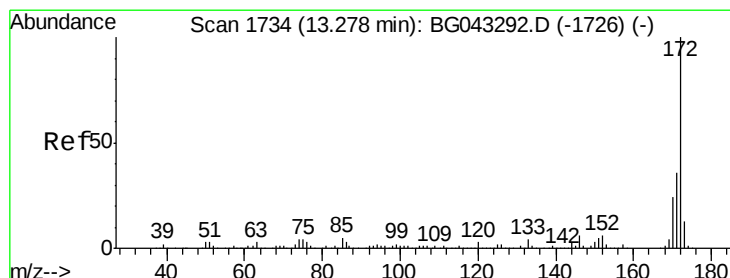
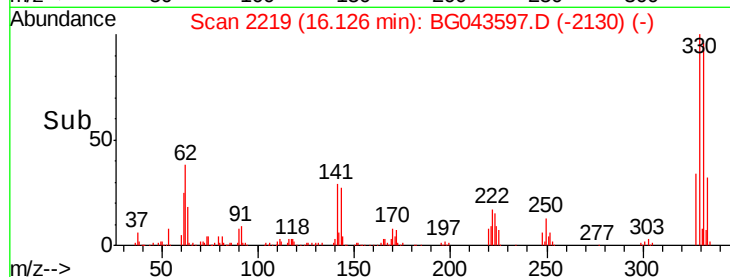
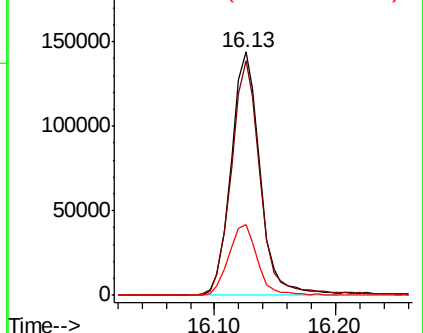


Abundance

Ion 329.80 (329.50 to 330.50): E

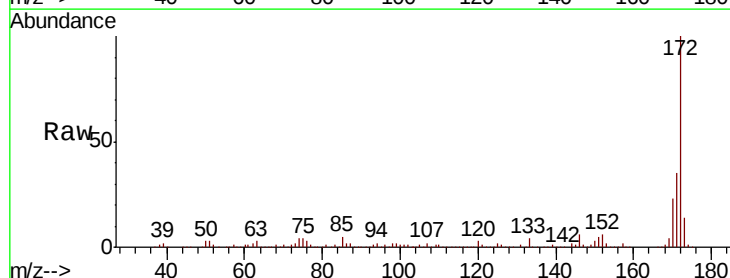
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 95.902 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.01 min
 Lab File: BG043597.D
 Acq: 11 Nov 2019 23:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.9	43.3
170	22.7	18.5	27.7

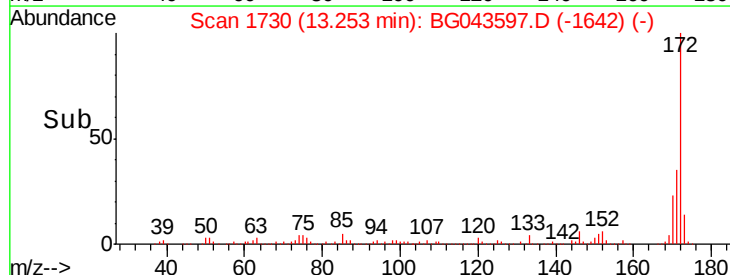
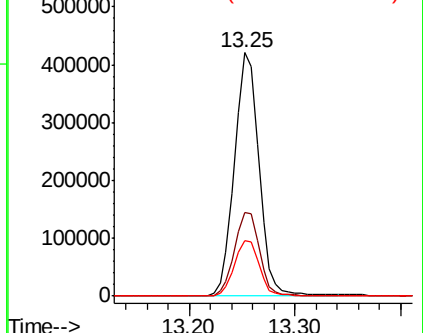


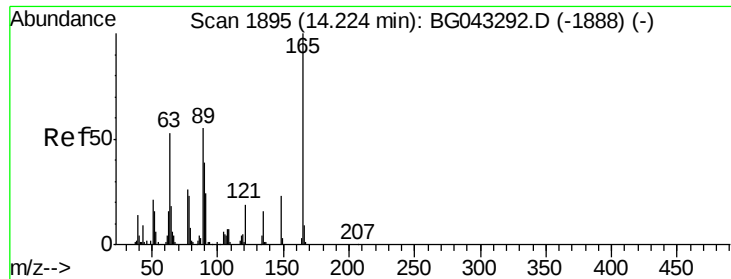
Abundance

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

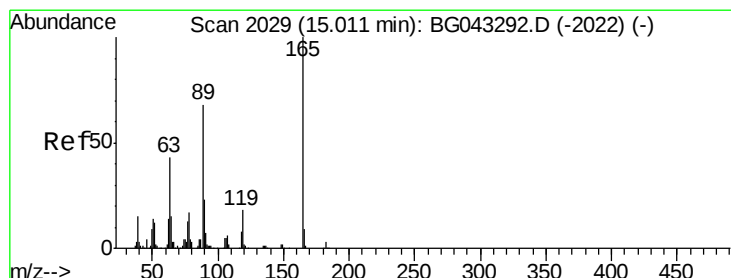
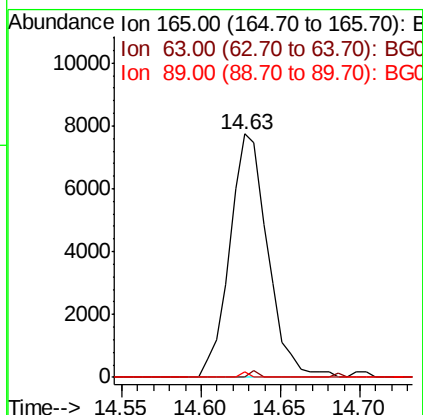
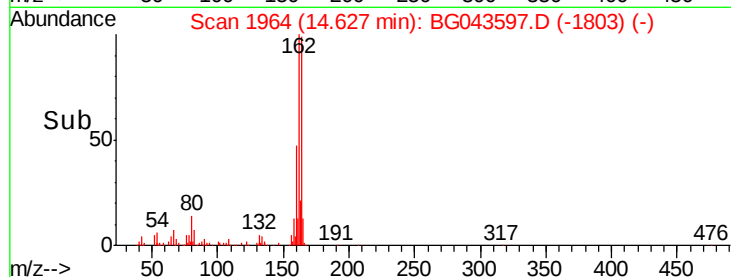
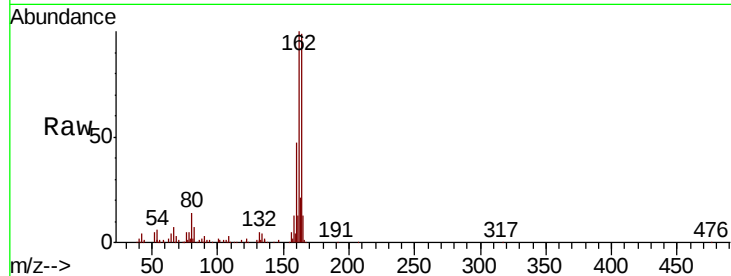




#51
 2,6-Dinitrotoluene
 Concen: 7.799 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. 0.42 min
 Lab File: BG043597.D
 Acq: 11 Nov 2019 23:51

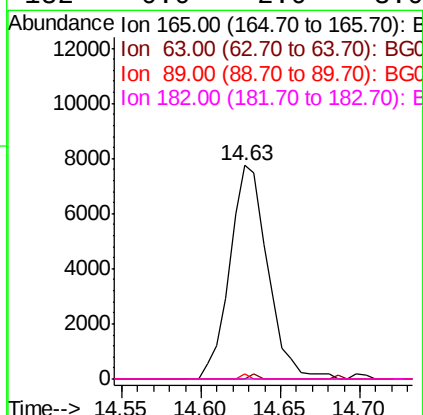
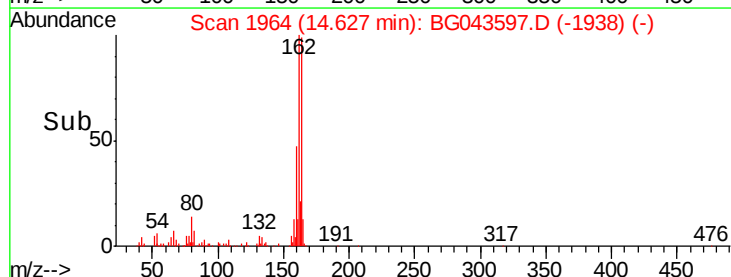
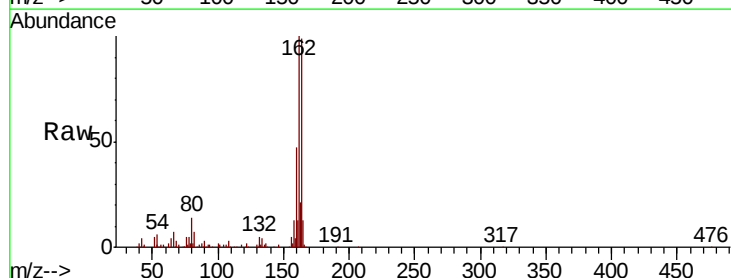
Instrument :
 BNA_G
 ClientSampleId :
 TP-1A-COMP

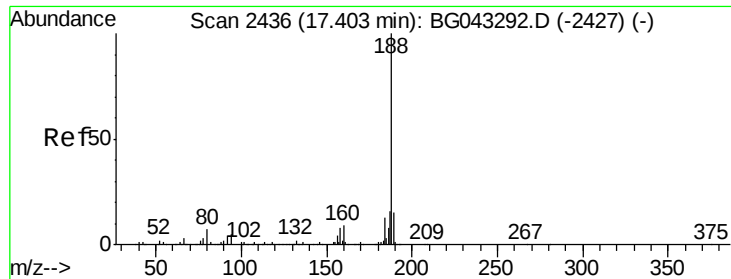
Tot Ion:165 Resp: 12840
 Ion Ratio Lower Upper
 165 100
 63 0.0 46.6 69.8#
 89 2.2 45.1 67.7#



#57
 2,4-Dinitrotoluene
 Concen: 5.458 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.38 min
 Lab File: BG043597.D
 Acq: 11 Nov 2019 23:51

Tgt Ion:165 Resp: 12840
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.2 49.8#
 89 2.2 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: BG043597.D

Acq: 11 Nov 2019 23:51

Instrument :

BNA_G

ClientSampleId :

TP-1A-COMP

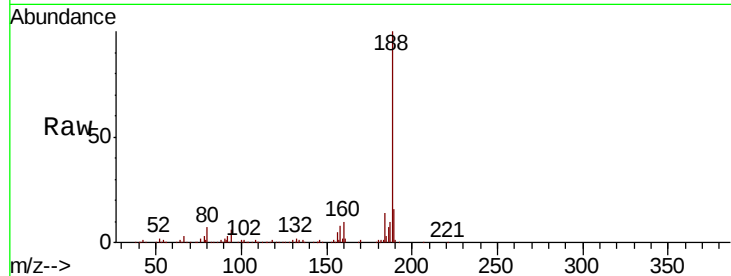
Tot Ion:188 Resp: 221276

Ion Ratio Lower Upper

188 100

94 6.3 4.2 6.4

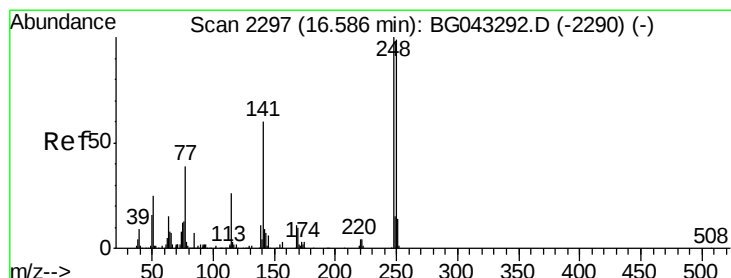
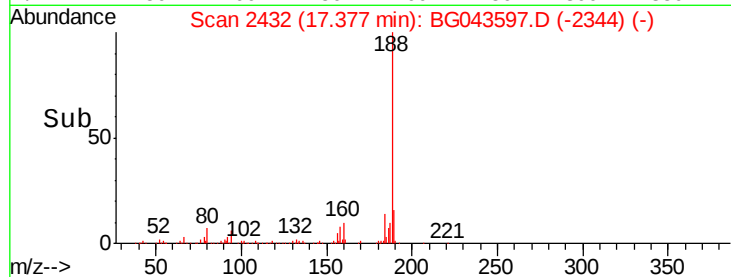
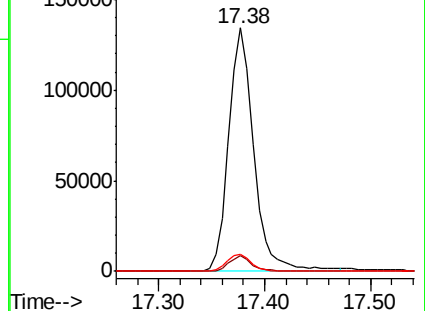
80 7.0 4.5 6.7#



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: 5.345 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.45 min

Lab File: BG043597.D

Acq: 11 Nov 2019 23:51

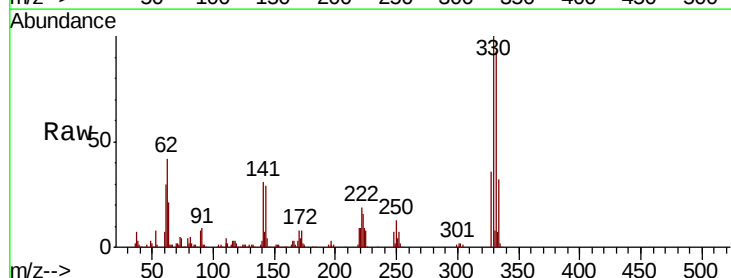
Tgt Ion:248 Resp: 15916

Ion Ratio Lower Upper

248 100

250 182.3 77.0 115.4#

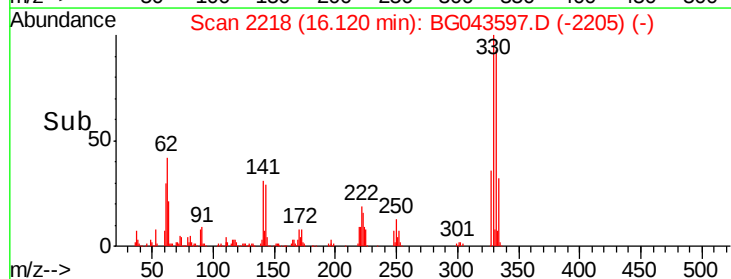
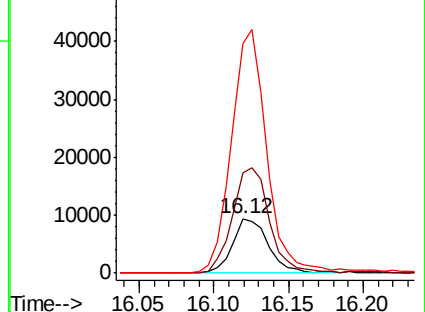
141 419.5 47.5 71.3#

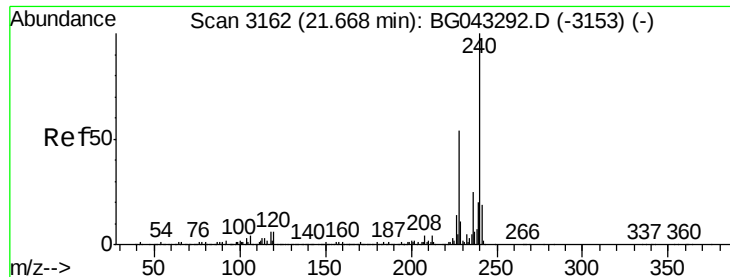


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG043597.D

Acq: 11 Nov 2019 23:51

Instrument :

BNA_G

ClientSampleId :

TP-1A-COMP

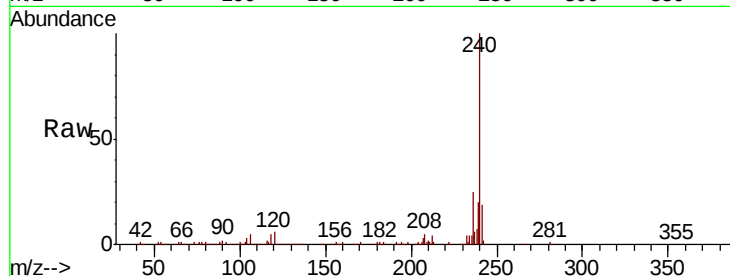
Tot Ion:240 Resp: 217913

Ion Ratio Lower Upper

240 100

120 6.3 4.6 6.8

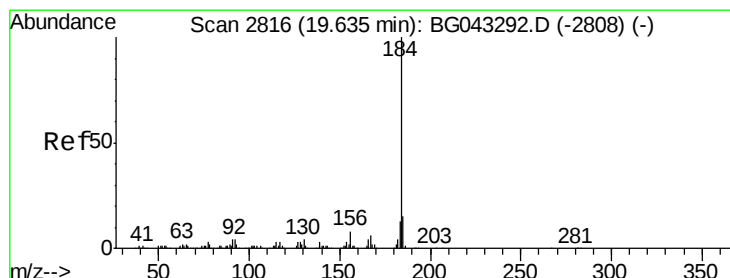
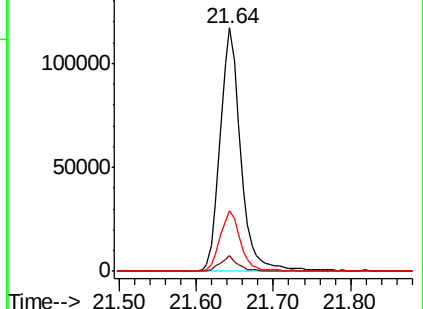
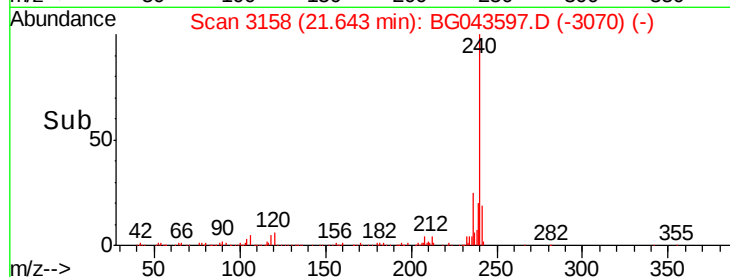
236 24.8 19.8 29.8



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: 3.836 ng

RT: 19.99 min Scan# 2877

Delta R.T. 0.37 min

Lab File: BG043597.D

Acq: 11 Nov 2019 23:51

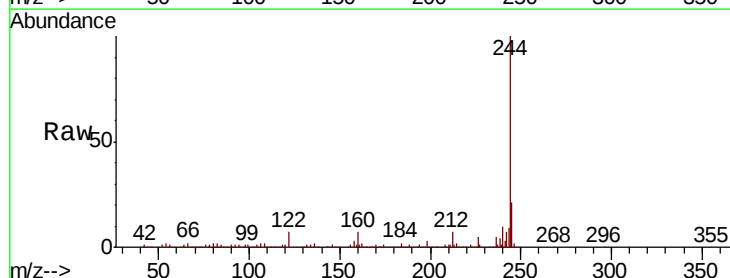
Tgt Ion:184 Resp: 16822

Ion Ratio Lower Upper

184 100

185 17.1 11.0 16.4#

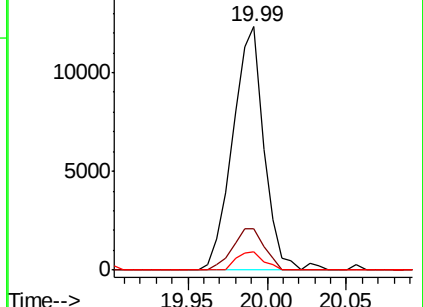
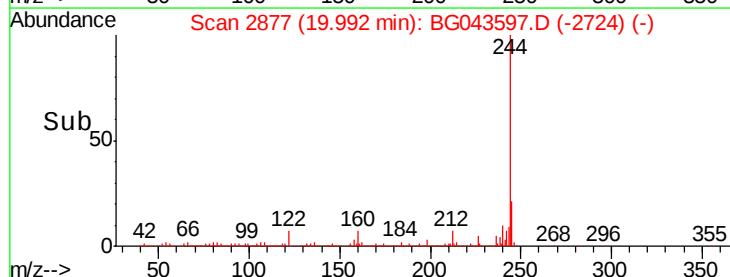
183 7.3 10.0 15.0#

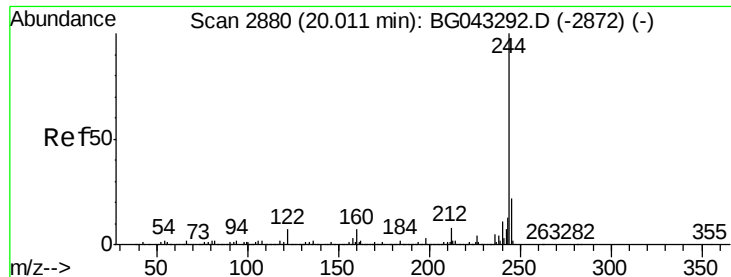


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

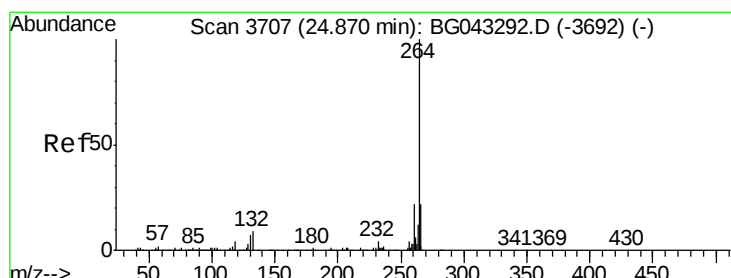
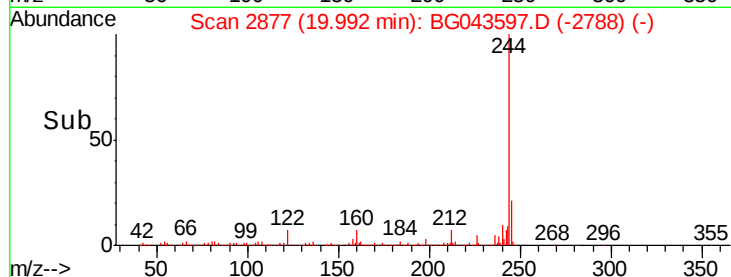
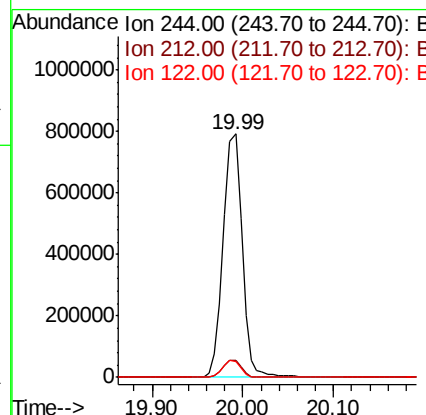
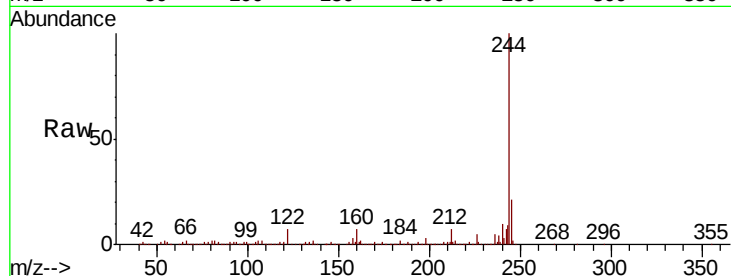




#79
 Terphenyl-d14
 Concen: 99.996 ng
 RT: 19.99 min Scan# 2877
 Delta R.T. -0.01 min
 Lab File: BG043597.D
 Acq: 11 Nov 2019 23:51

Instrument :
 BNA_G
 ClientSampleId :
 TP-1A-COMP

Tot Ion:244 Resp: 1161505
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 6.6 5.4 8.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.83 min Scan# 3700
 Delta R.T. -0.03 min
 Lab File: BG043597.D
 Acq: 11 Nov 2019 23:51

Tgt Ion:264 Resp: 252042
 Ion Ratio Lower Upper
 264 100
 260 23.2 17.5 26.3
 265 23.1 17.4 26.0

