

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044865.D
 Acq On : 18 Mar 2020 14:14
 Operator : CG/JU
 Sample : L1942-08
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 18 15:43:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 17:37:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	78801	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	317924	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	233624	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	545975	20.00	ng	0.00
76) Chrysene-d12	21.68	240	498297	20.00	ng	-0.02
87) Perylene-d12	24.89	264	547965	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	595027	117.55	ng	0.00
7) Phenol-d6	7.20	99	748652	101.79	ng	0.00
23) Nitrobenzene-d5	9.20	82	647818	89.41	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	459476	150.21	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1394963	85.51	ng	0.00
79) Terphenyl-d14	20.03	244	2331256	87.51	ng	0.00

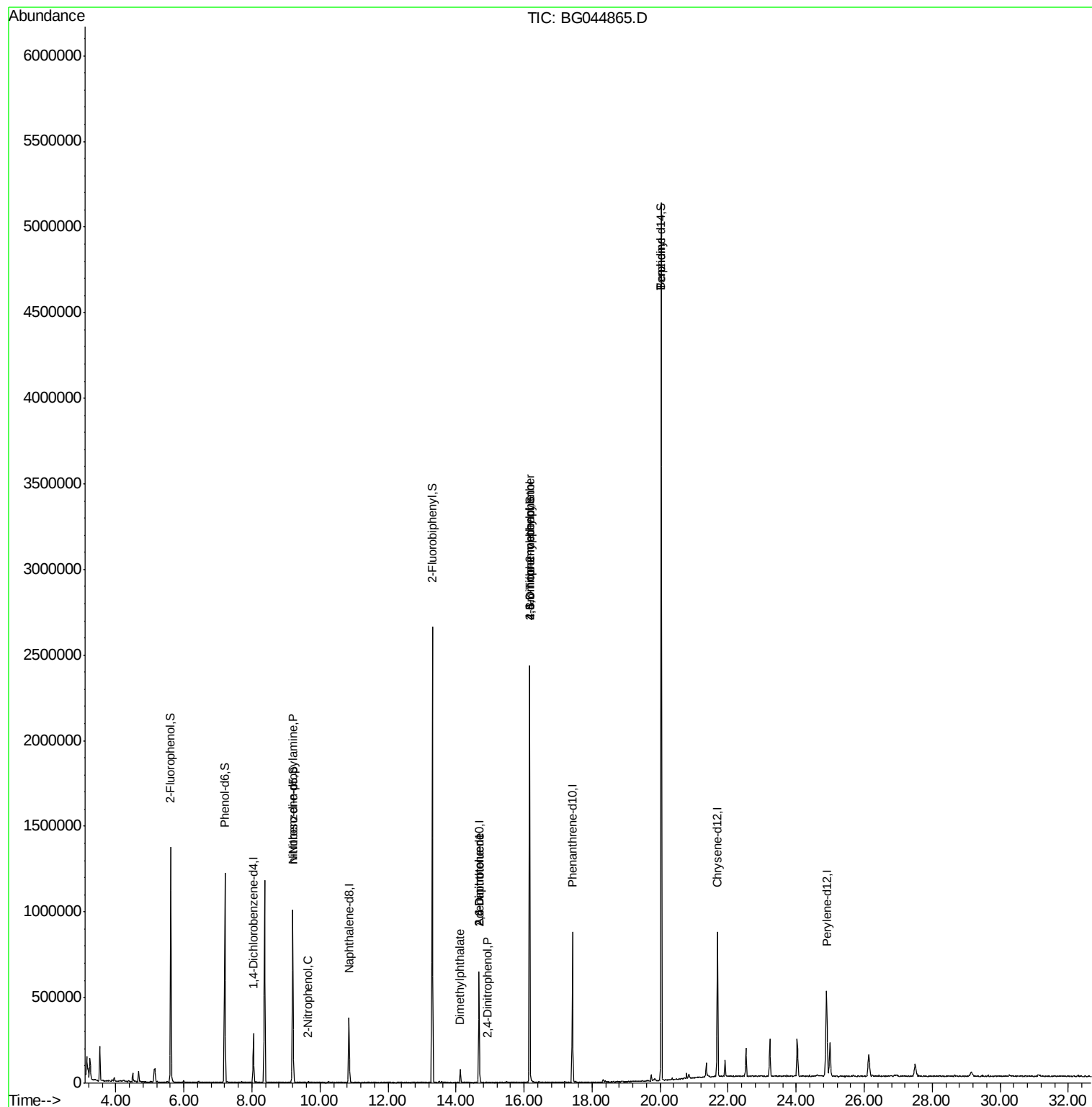
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	1654	Below Cal		# 59
19) n-Nitroso-di-n-propylamine	9.20	70	87300	16.810	ng	# 74
26) 2-Nitrophenol	9.64	139	56	5.534	ng	# 28
50) Dimethylphthalate	14.12	163	54703	2.940	ng	# 98
51) 2,6-Dinitrotoluene	14.68	165	29768	7.937	ng	# 22
54) 2,4-Dinitrophenol	14.93	184	61	8.351	ng	# 21
57) 2,4-Dinitrotoluene	14.68	165	29768	5.787	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.16	198	1653	8.268	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	31629	4.634	ng	# 1
77) Benzidine	20.03	184	44981	2.781	ng	# 82

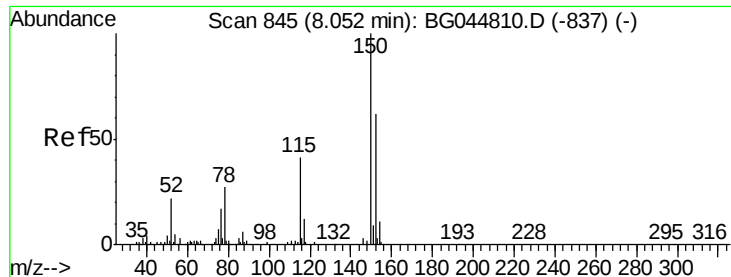
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 843

Delta R.T. -0.01 min

Lab File: BG044865.D

Acq: 18 Mar 2020 14:14

Instrument :

BNA_G

ClientSampled :

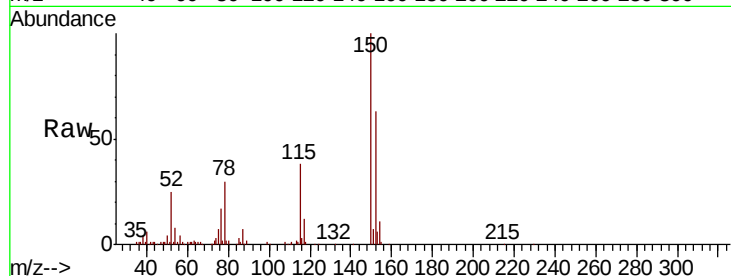
Tot Ion:152 Resp: 78801

Ion Ratio Lower Upper

152 100

150 158.8 128.8 193.2

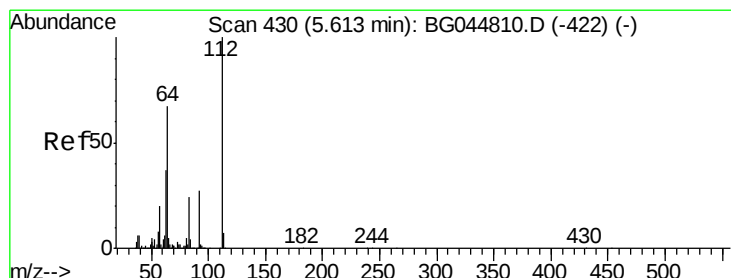
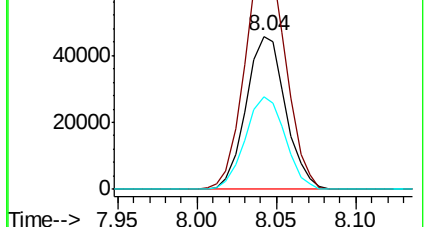
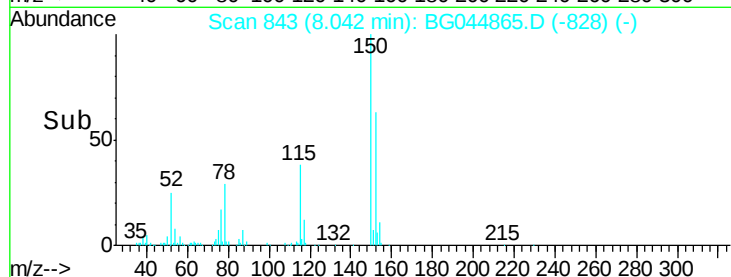
115 60.3 52.6 79.0



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: 117.546 ng

RT: 5.62 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG044865.D

Acq: 18 Mar 2020 14:14

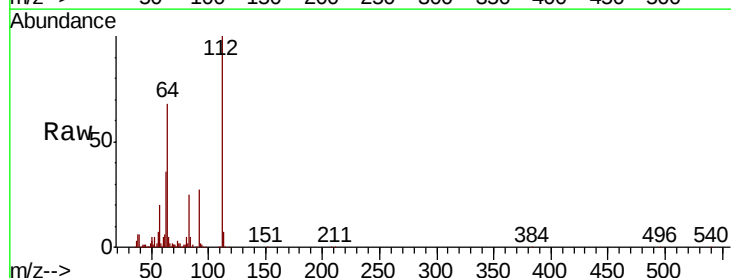
Tgt Ion:112 Resp: 595027

Ion Ratio Lower Upper

112 100

64 67.5 53.4 80.2

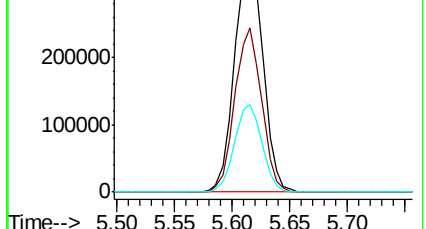
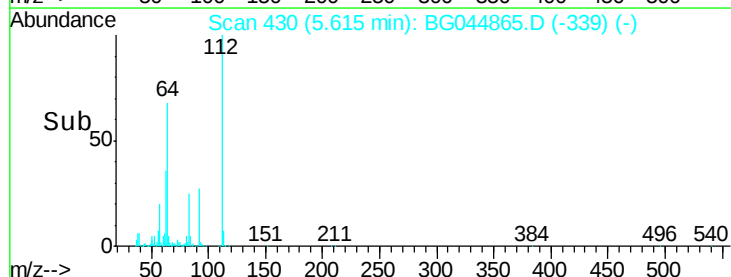
63 35.7 29.4 44.2

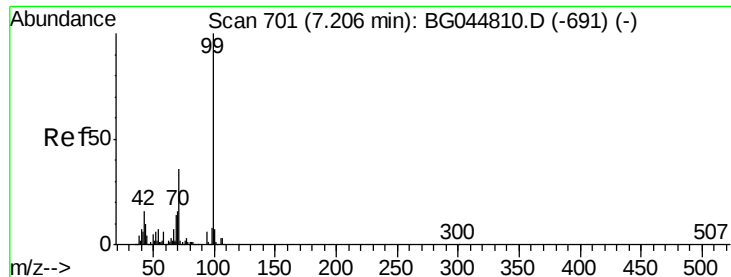


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 101.790 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044865.D

Acq: 18 Mar 2020 14:14

Instrument :

BNA_G

ClientSampleId :

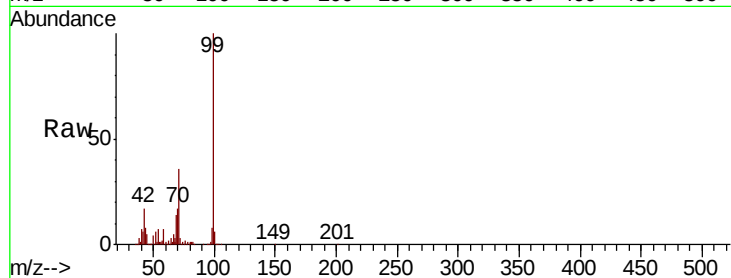
Tot Ion: 99 Resp: 748652

Ion Ratio Lower Upper

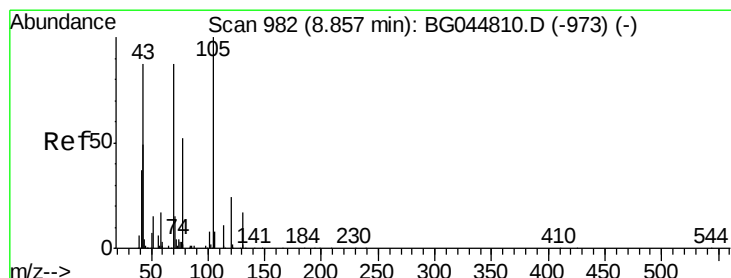
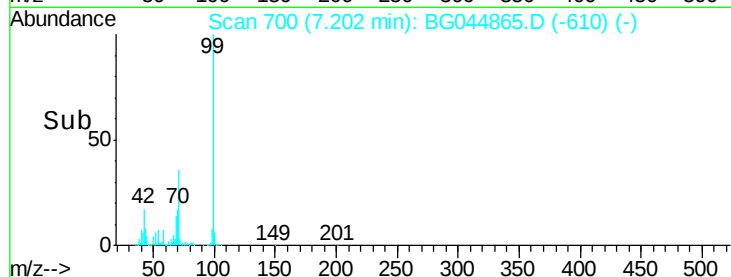
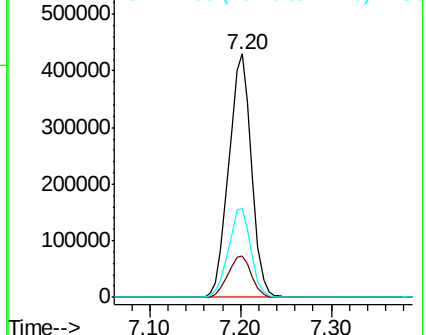
99 100

42 17.1 12.6 19.0

71 36.2 29.0 43.4



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: 16.810 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044865.D

Acq: 18 Mar 2020 14:14

Tgt Ion: 70 Resp: 87300

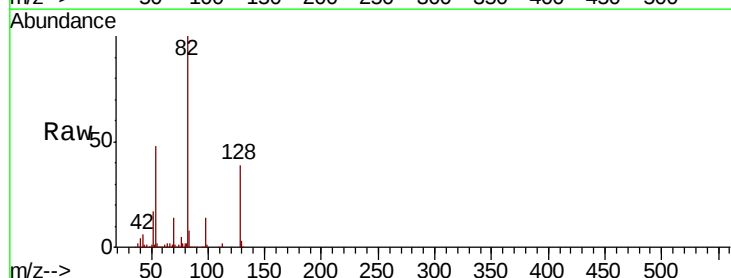
Ion Ratio Lower Upper

70 100

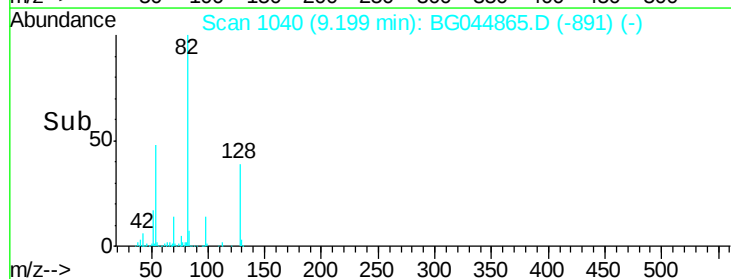
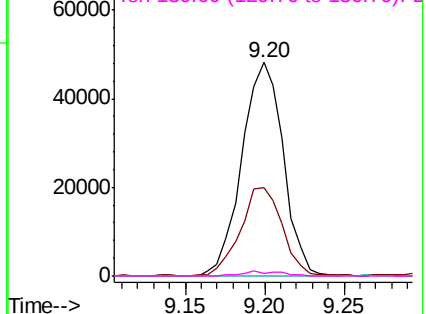
42 41.6 45.7 68.5#

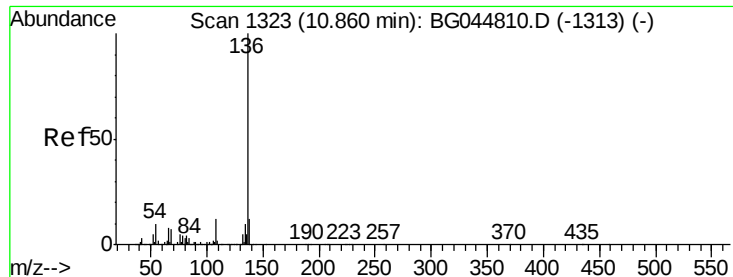
101 0.0 7.4 11.2#

130 1.5 15.9 23.9#



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: BG044865.D

Acq: 18 Mar 2020 14:14

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 317924

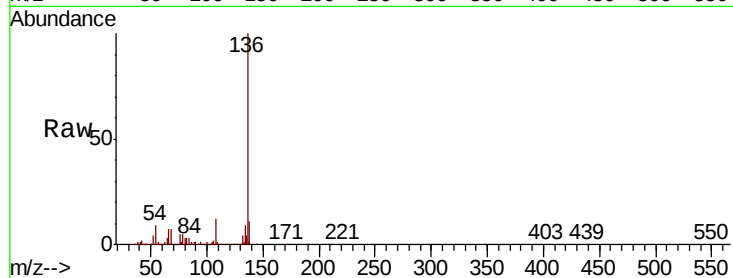
Ion Ratio Lower Upper

136 100

137 11.0 9.8 14.6

54 9.3 7.9 11.9

68 6.7 5.4 8.0

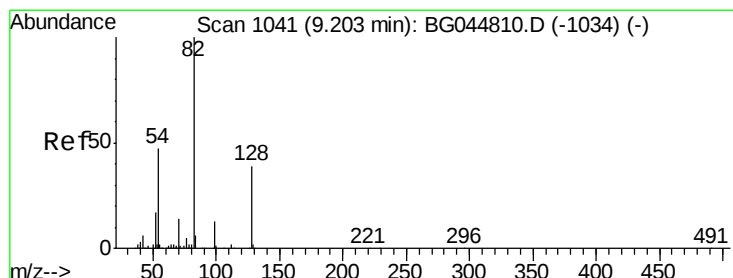
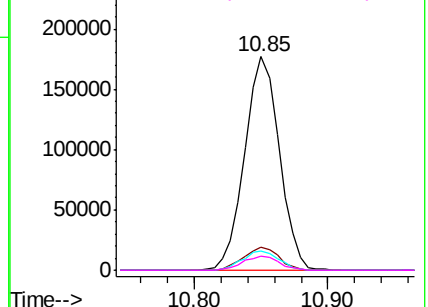
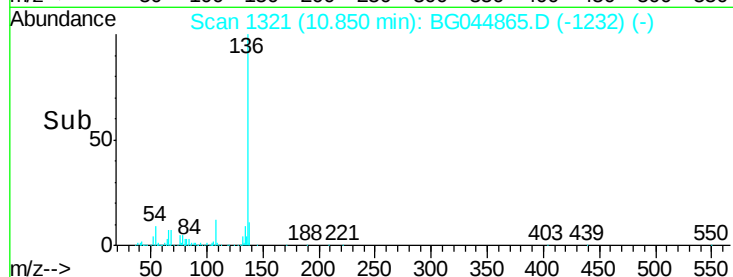


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.415 ng

RT: 9.20 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BG044865.D

Acq: 18 Mar 2020 14:14

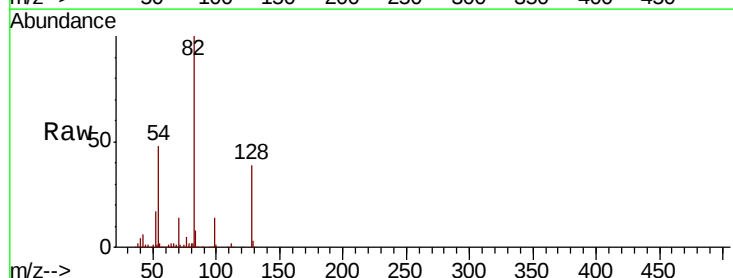
Tgt Ion: 82 Resp: 647818

Ion Ratio Lower Upper

82 100

128 38.6 30.6 46.0

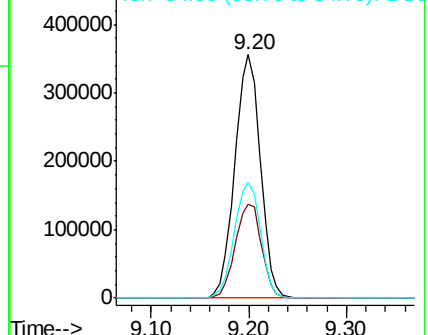
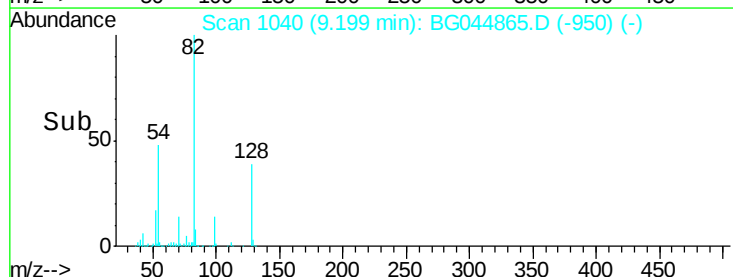
54 47.7 37.1 55.7

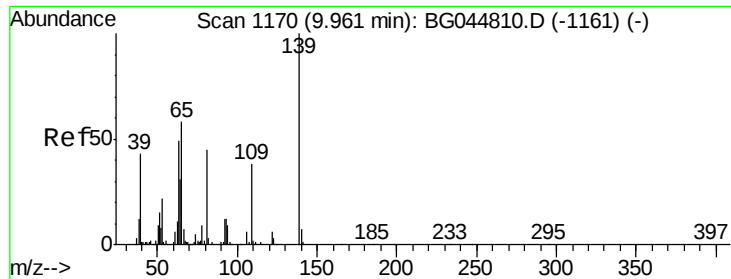


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

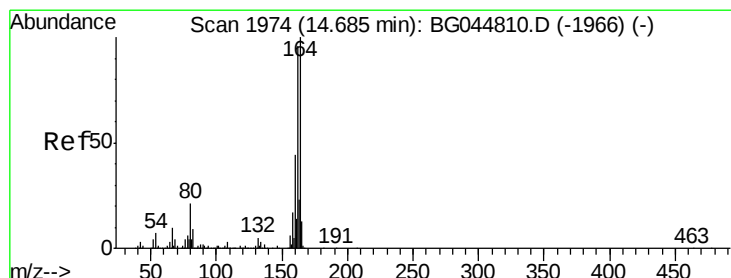
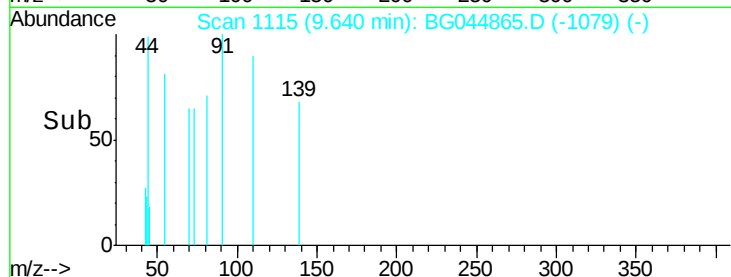
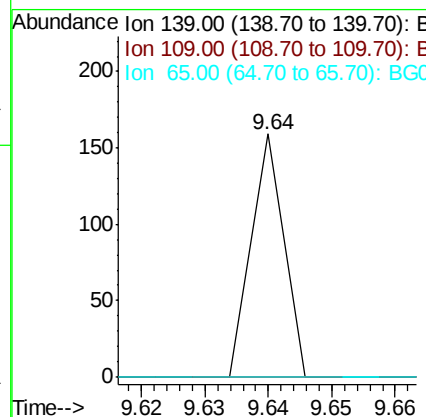
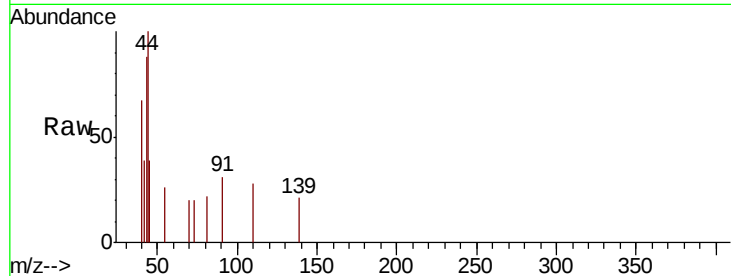




#26
2-Nitrophenol
Concen: 5.534 ng
RT: 9.64 min Scan# 1115
Delta R.T. -0.32 min
Lab File: BG044865.D
Acq: 18 Mar 2020 14:14

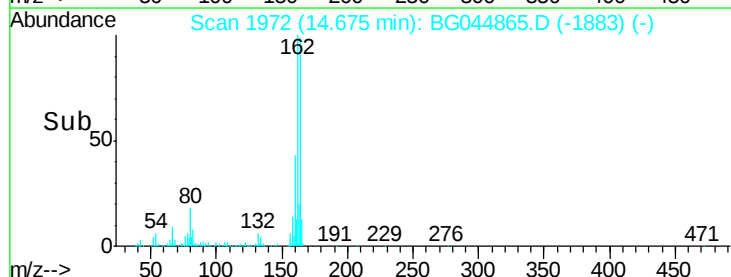
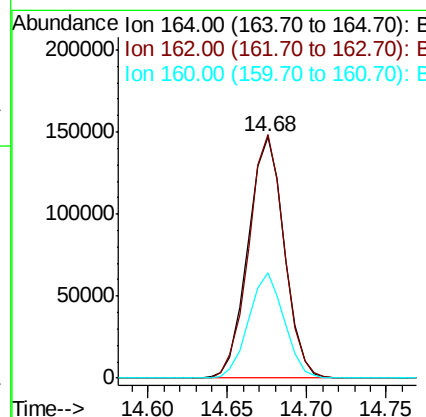
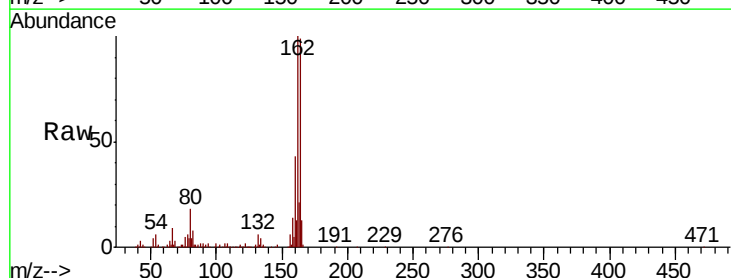
Instrument :
BNA_G
ClientSampleId :

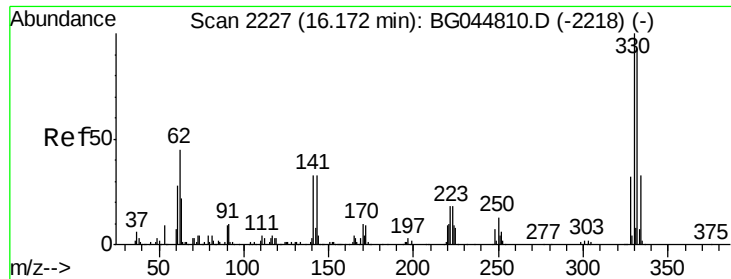
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.01 min
Lab File: BG044865.D
Acq: 18 Mar 2020 14:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	76.7	115.1
160	43.7	35.0	52.4

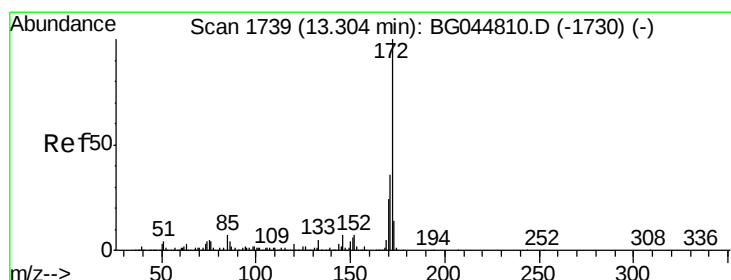
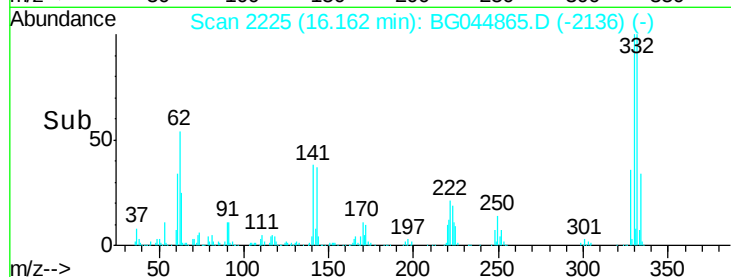
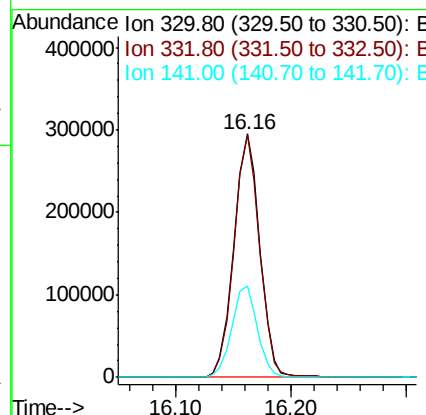
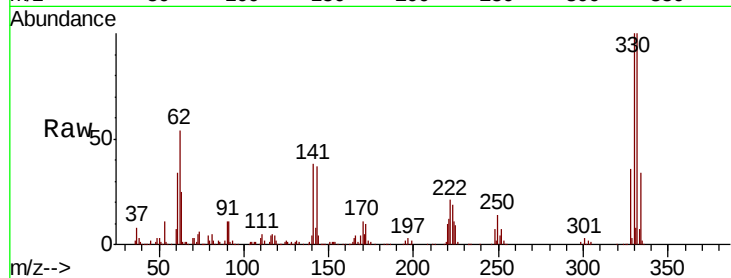




#42
 2,4,6-Tribromophenol
 Concen: 150.207 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.01 min
 Lab File: BG044865.D
 Acq: 18 Mar 2020 14:14

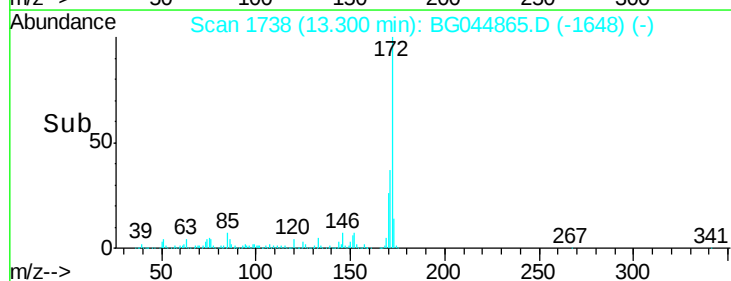
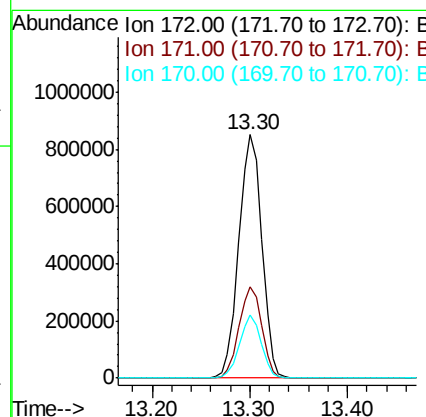
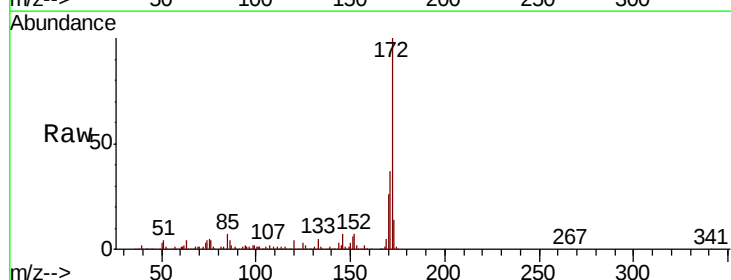
Instrument :
 BNA_G
 ClientSampleId :

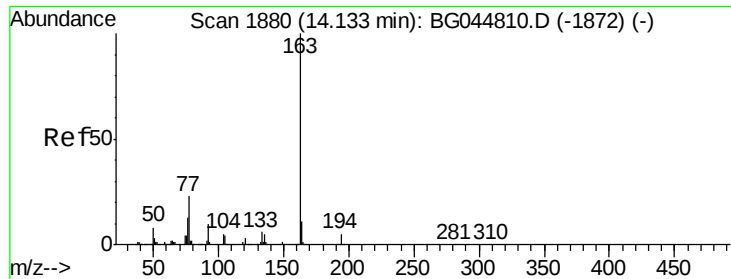
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.8	116.6
141	37.2	29.5	44.3



#45
 2-Fluorobiphenyl
 Concen: 85.506 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.00 min
 Lab File: BG044865.D
 Acq: 18 Mar 2020 14:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	28.7	43.1
170	25.9	19.0	28.6

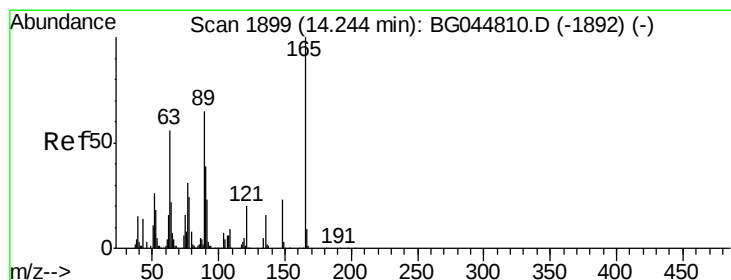
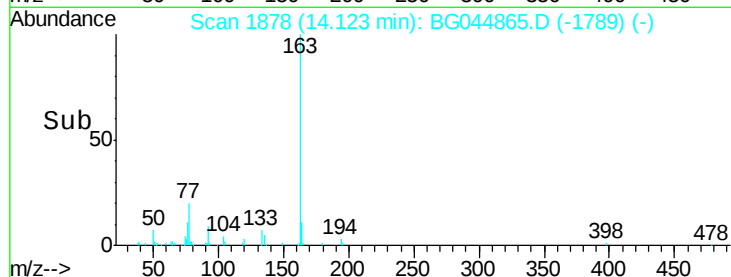
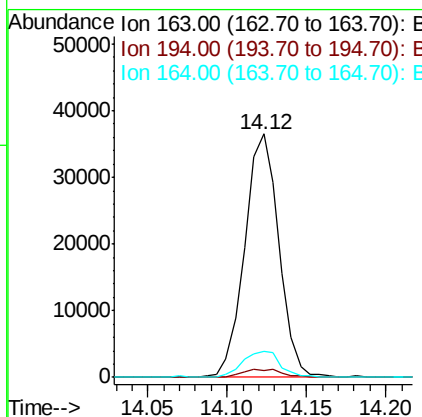
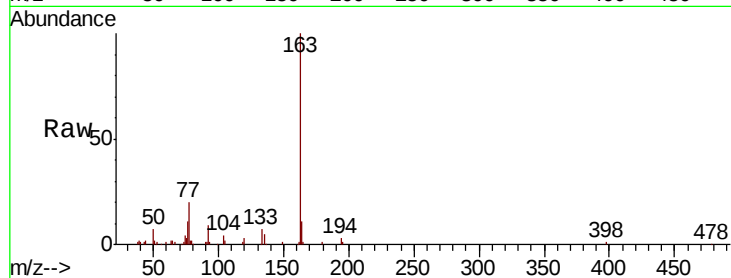




#50
Dimethylphthalate
Concen: 2.940 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044865.D
Acq: 18 Mar 2020 14:14

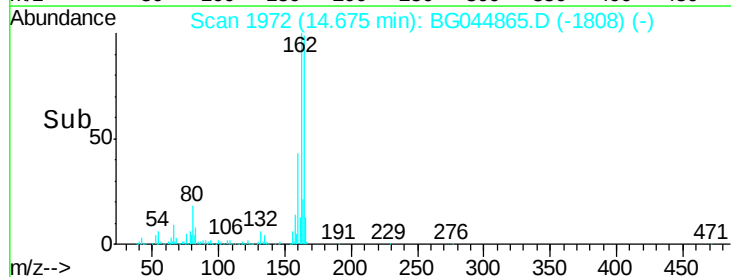
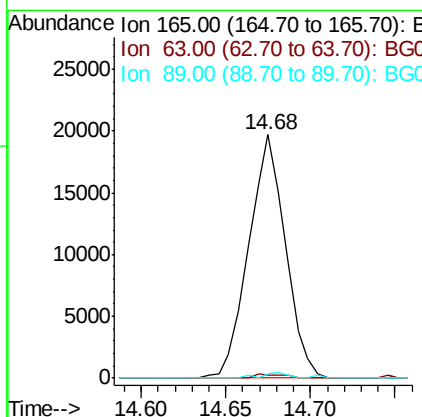
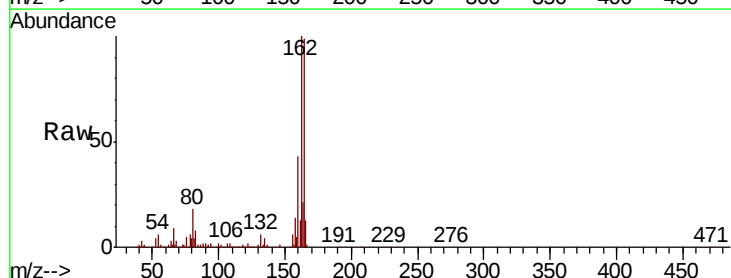
Instrument :
BNA_G
ClientSampled :

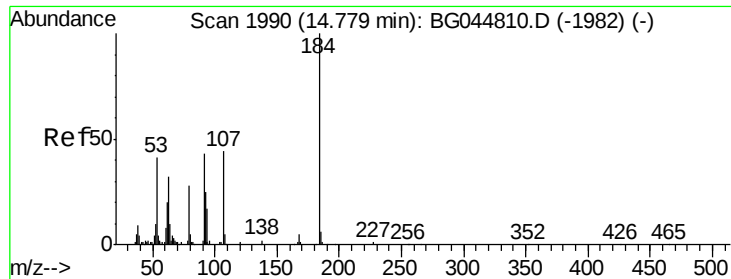
Tot Ion:163 Resp: 54703
Ion Ratio Lower Upper
163 100
194 3.0 3.7 5.5#
164 10.8 9.1 13.7



#51
2,6-Dinitrotoluene
Concen: 7.937 ng
RT: 14.68 min Scan# 1972
Delta R.T. 0.43 min
Lab File: BG044865.D
Acq: 18 Mar 2020 14:14

Tgt Ion:165 Resp: 29768
Ion Ratio Lower Upper
165 100
63 1.0 45.8 68.8#
89 2.0 51.8 77.6#

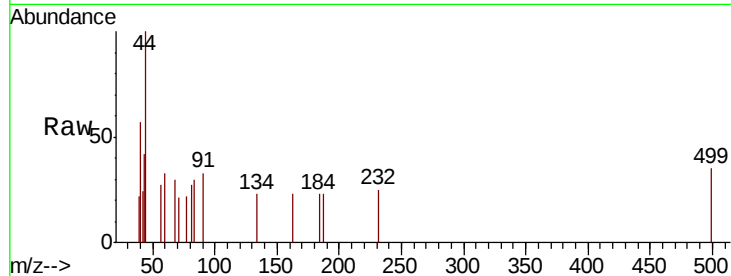




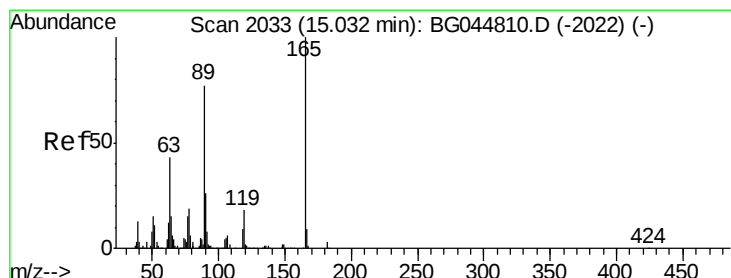
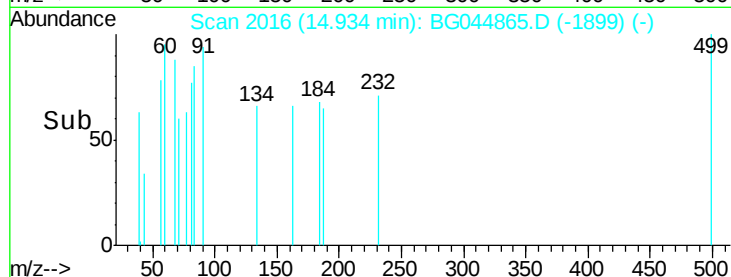
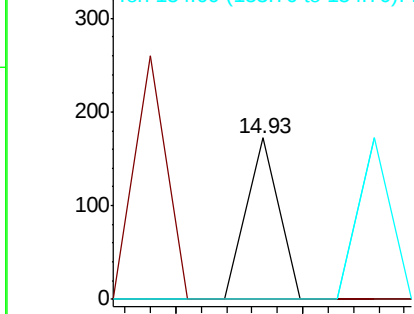
#54
2,4-Dinitrophenol
Concen: 8.351 ng
RT: 14.93 min Scan# 2016
Delta R.T. 0.15 min
Lab File: BG044865.D
Acq: 18 Mar 2020 14:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 61
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 0.0 49.1 73.7#

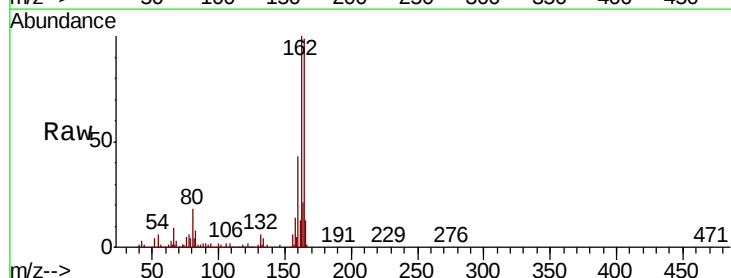


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

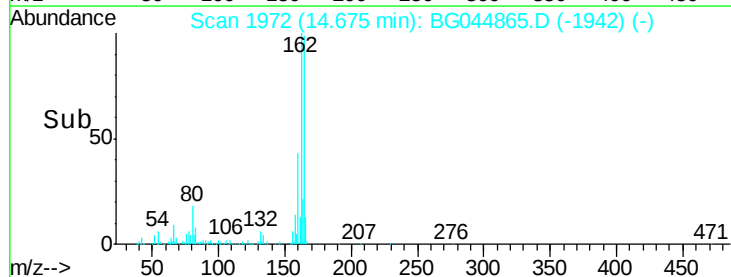
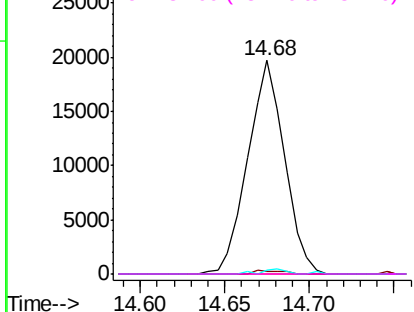


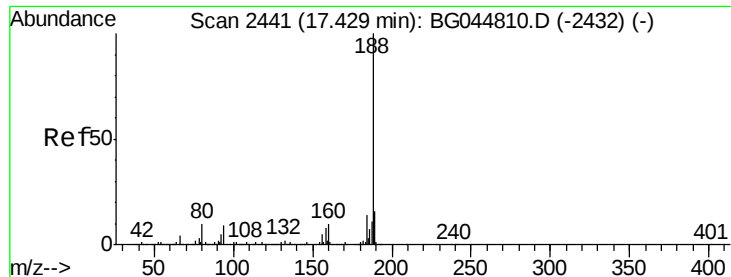
#57
2,4-Dinitrotoluene
Concen: 5.787 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.36 min
Lab File: BG044865.D
Acq: 18 Mar 2020 14:14

Tgt Ion:165 Resp: 29768
Ion Ratio Lower Upper
165 100
63 1.0 34.6 52.0#
89 2.0 61.3 91.9#
182 0.0 2.2 3.2#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044865.D

Acq: 18 Mar 2020 14:14

Instrument :

BNA_G

ClientSampleId :

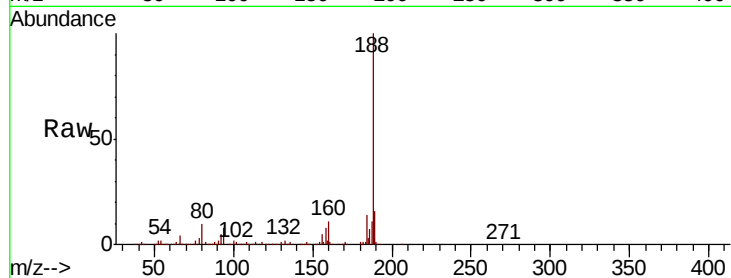
Tot Ion:188 Resp: 545975

Ion Ratio Lower Upper

188 100

94 7.7 7.3 10.9

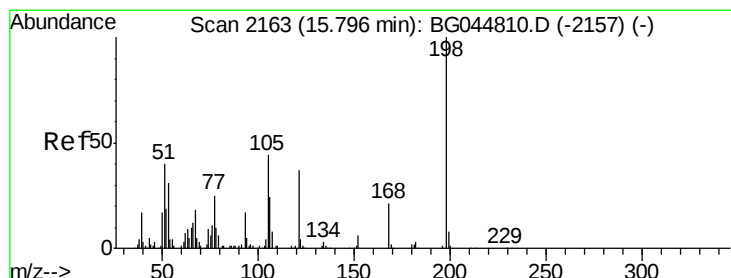
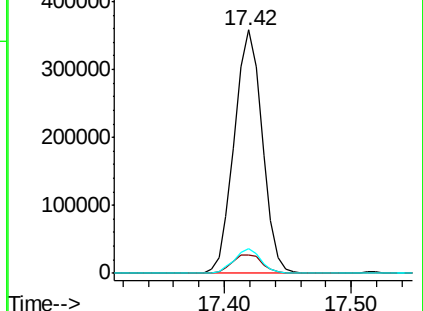
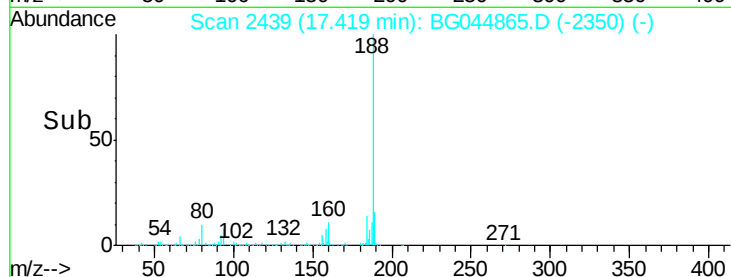
80 10.0 8.0 12.0



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



#65

4,6-Dinitro-2-methylphenol

Concen: 8.268 ng

RT: 16.16 min Scan# 2225

Delta R.T. 0.37 min

Lab File: BG044865.D

Acq: 18 Mar 2020 14:14

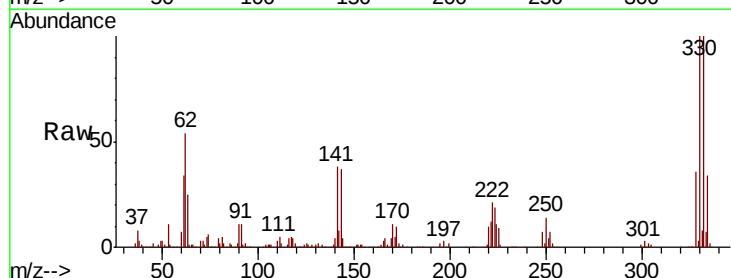
Tgt Ion:198 Resp: 1653

Ion Ratio Lower Upper

198 100

51 146.8 21.1 61.1#

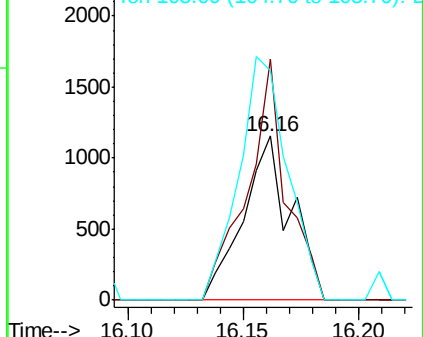
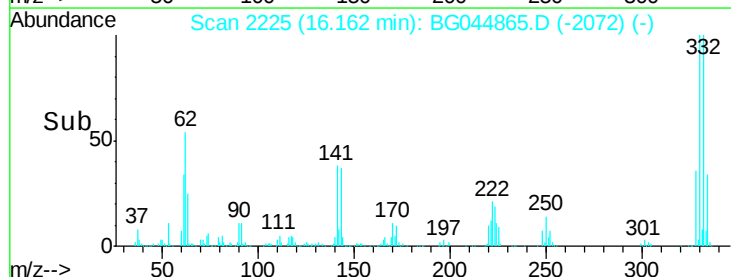
105 140.1 24.5 64.5#

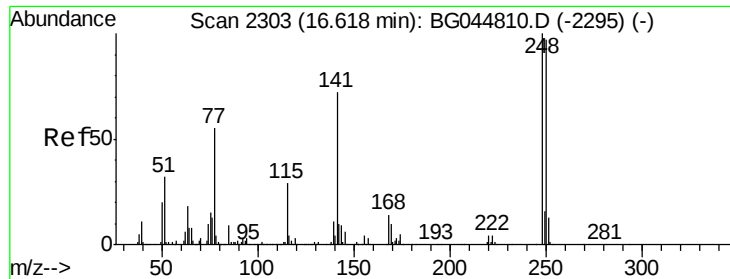


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.634 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.46 min

Lab File: BG044865.D

Acq: 18 Mar 2020 14:14

Instrument :

BNA_G

ClientSampled :

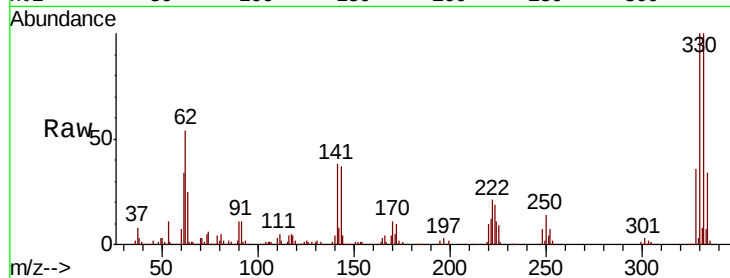
Tot Ion:248 Resp: 31629

Ion Ratio Lower Upper

248 100

250 198.6 77.9 116.9#

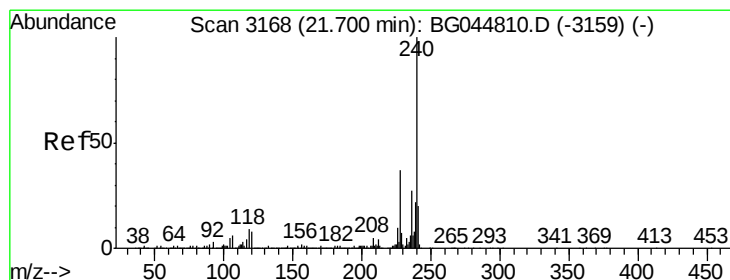
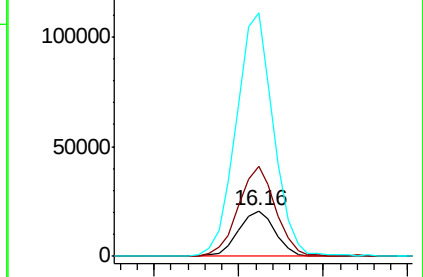
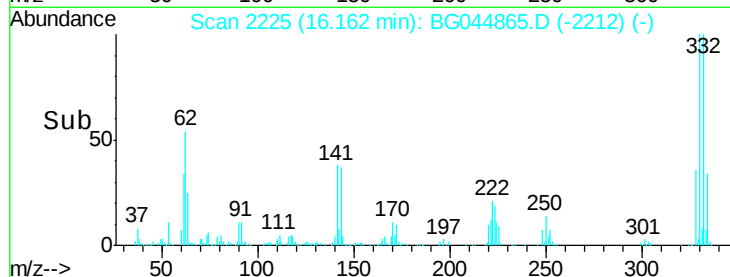
141 533.5 57.5 86.3#



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: 21.68 min Scan# 3165

Delta R.T. -0.02 min

Lab File: BG044865.D

Acq: 18 Mar 2020 14:14

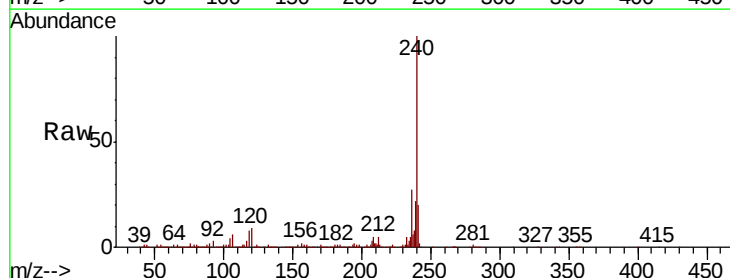
Tgt Ion:240 Resp: 498297

Ion Ratio Lower Upper

240 100

120 8.5 6.7 10.1

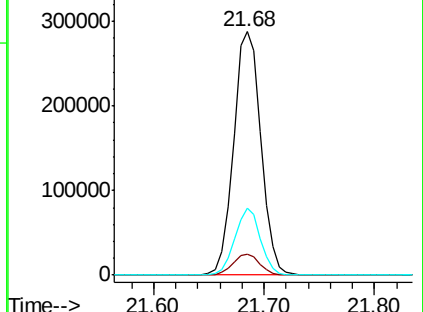
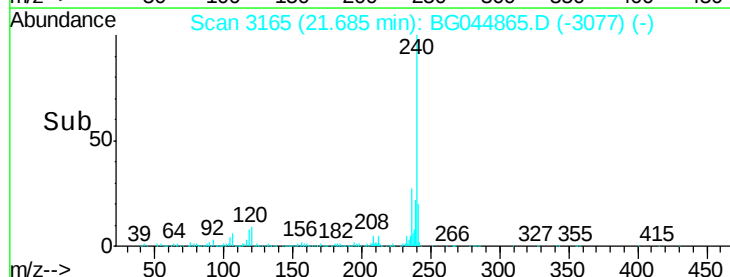
236 27.5 21.5 32.3

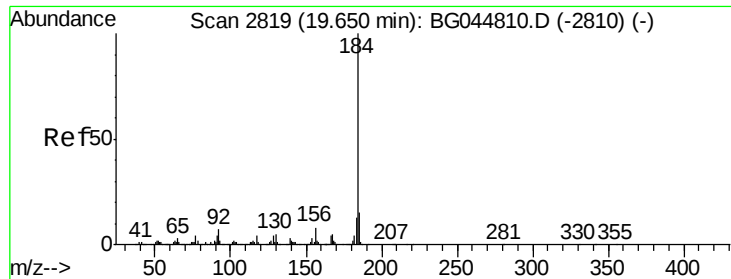


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.781 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG044865.D

Acq: 18 Mar 2020 14:14

Instrument :

BNA_G

ClientSampleId :

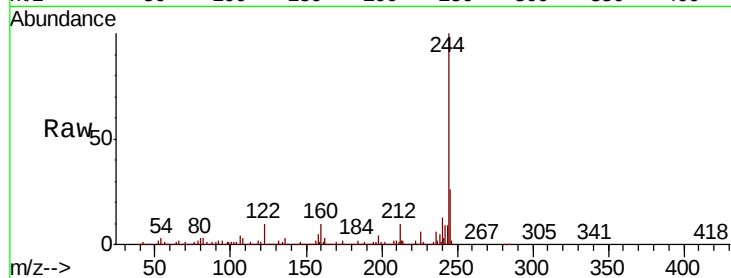
Tot Ion:184 Resp: 44981

Ion Ratio Lower Upper

184 100

185 16.9 12.2 18.4

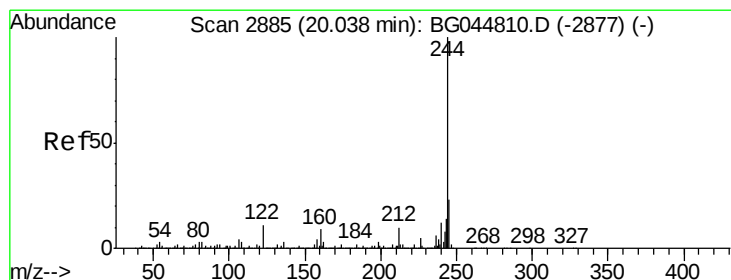
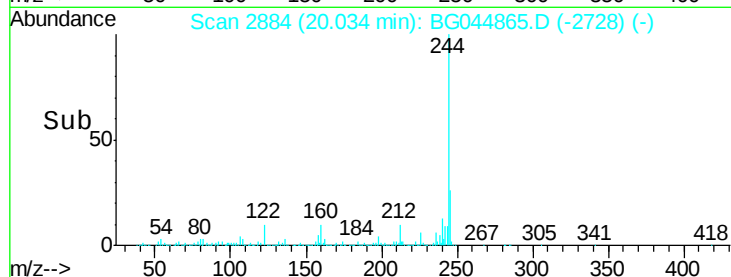
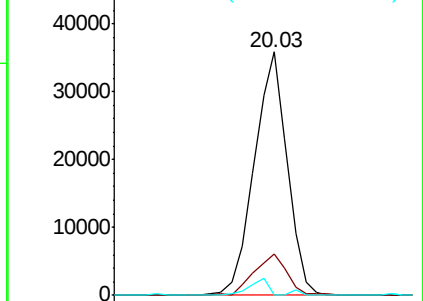
183 0.0 10.7 16.1#



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: 87.513 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044865.D

Acq: 18 Mar 2020 14:14

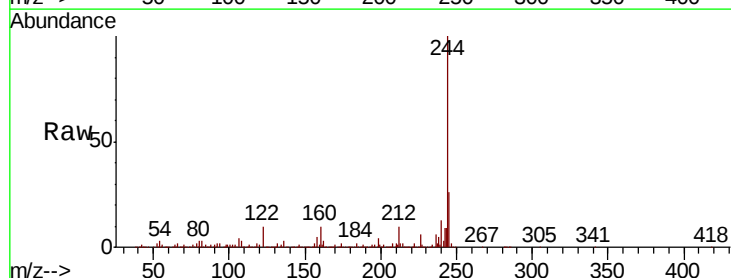
Tgt Ion:244 Resp: 2331256

Ion Ratio Lower Upper

244 100

212 10.5 7.7 11.5

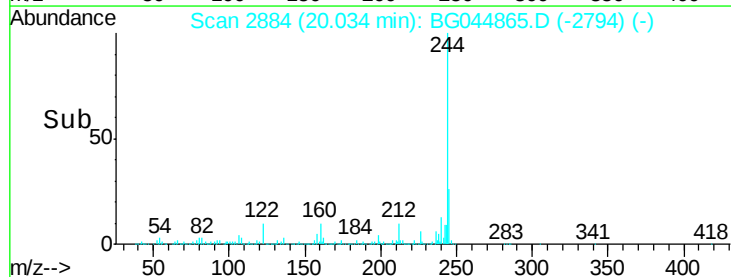
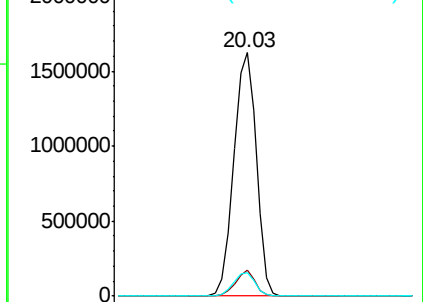
122 9.7 8.6 12.8

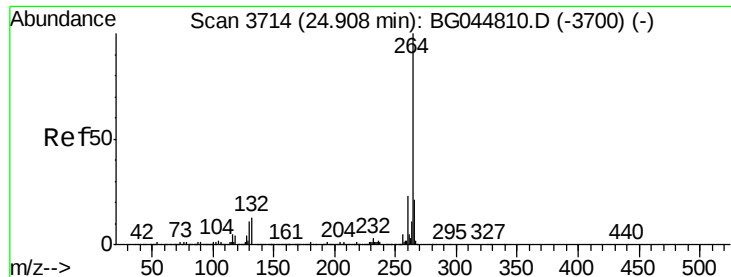


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.89 min Scan# 3711
 Delta R.T. -0.02 min
 Lab File: BG044865.D
 Acq: 18 Mar 2020 14:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.1	27.1
265	21.4	17.1	25.7

