

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044864.D
 Acq On : 18 Mar 2020 13:35
 Operator : CG/JU
 Sample : L1942-15
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 18 15:43:12 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	72413	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	300481	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	218327	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	522075	20.00	ng	-0.01
76) Chrysene-d12	21.69	240	473831	20.00	ng	-0.01
87) Perylene-d12	24.90	264	523560	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	550761	118.40	ng	0.00
7) Phenol-d6	7.20	99	706291	104.50	ng	0.00
23) Nitrobenzene-d5	9.20	82	606760	88.61	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	451763	158.03	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1308764	85.84	ng	0.00
79) Terphenyl-d14	20.03	244	2228849	87.99	ng	0.00

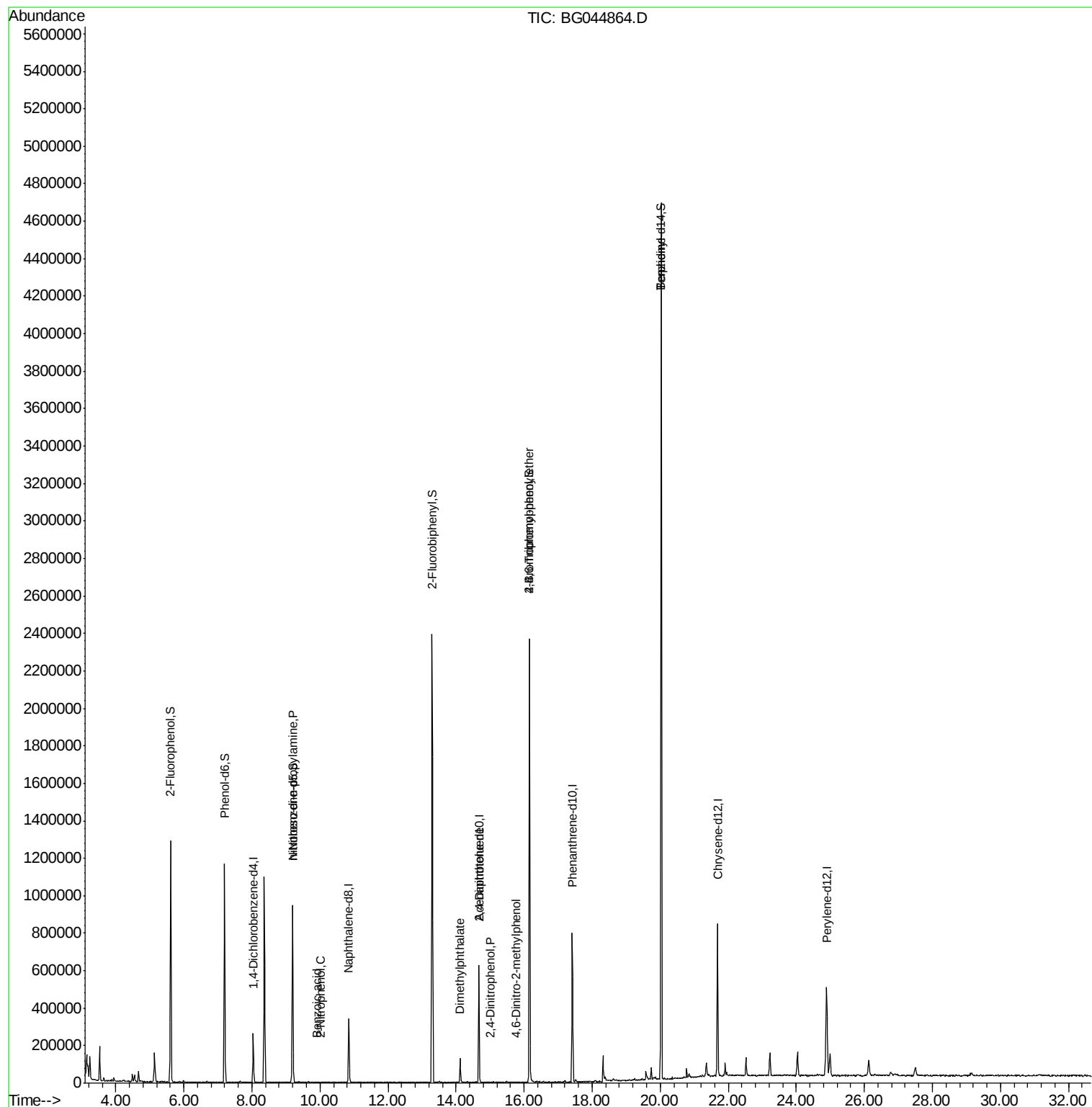
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.16	77	136	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.20	70	80159	16.797	ng	# 70
26) 2-Nitrophenol	10.02	139	56	5.535	ng	# 28
32) Benzoic acid	9.92	122	55	9.683	ng	# 1
50) Dimethylphthalate	14.12	163	87850	5.052	ng	99
54) 2,4-Dinitrophenol	15.00	184	57	8.351	ng	# 21
57) 2,4-Dinitrotoluene	14.67	165	28741	5.979	ng	# 22
65) 4,6-Dinitro-2-methylphenol	15.77	198	67	7.751	ng	# 33
67) 4-Bromophenyl-phenylether	16.16	248	31309	4.797	ng	# 1
77) Benzidine	20.03	184	42843	2.785	ng	# 90

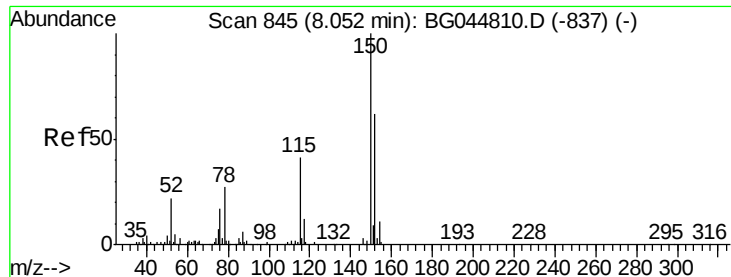
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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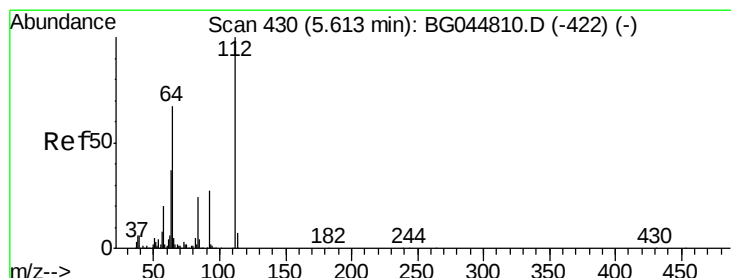
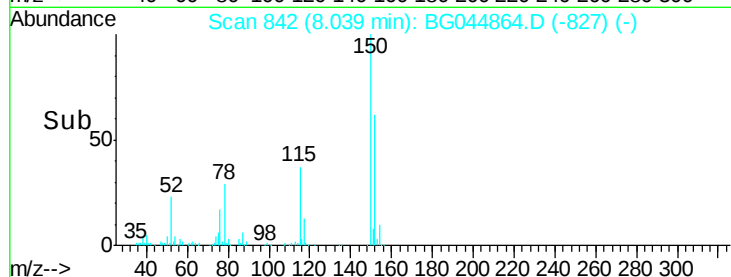
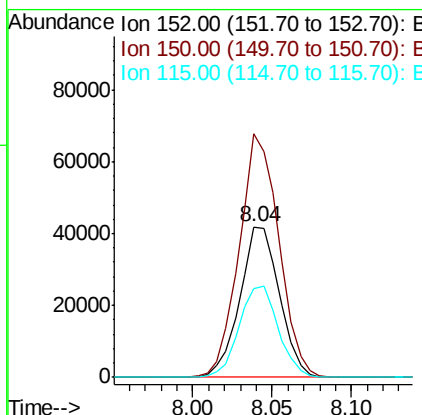
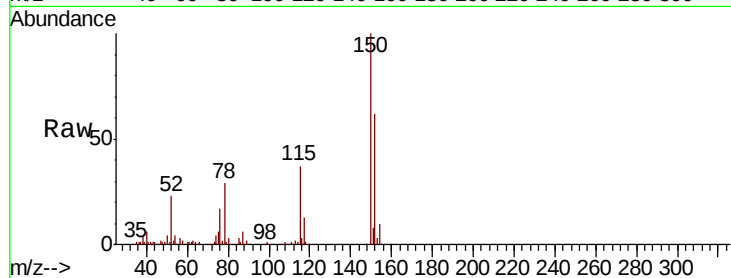


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 842
Delta R.T. -0.01 min
Lab File: BG044864.D
Acq: 18 Mar 2020 13:35

Instrument :
BNA_G
ClientSampled :

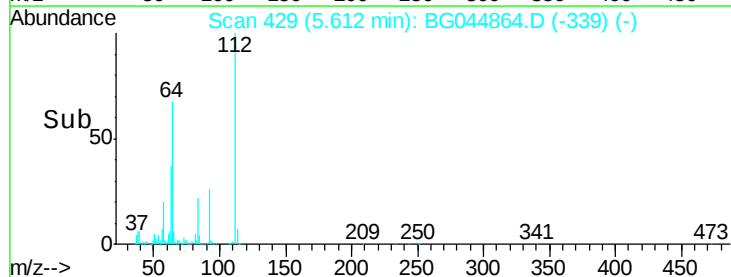
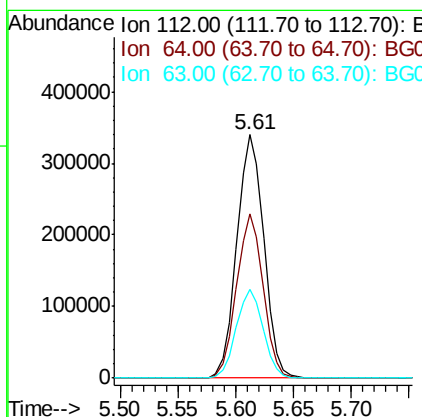
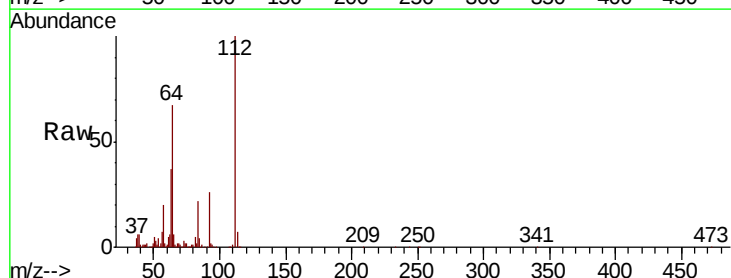
Tot Ion	Ratio	Lower	Upper
152	100		
150	161.5	128.8	193.2
115	59.2	52.6	79.0

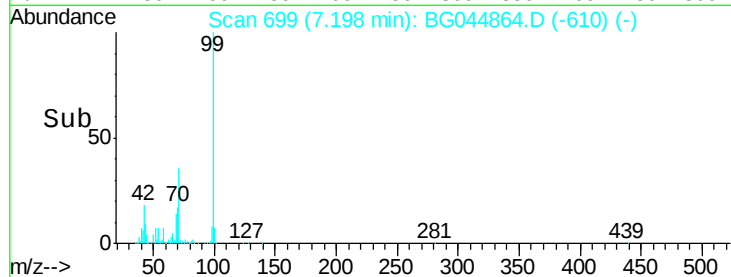
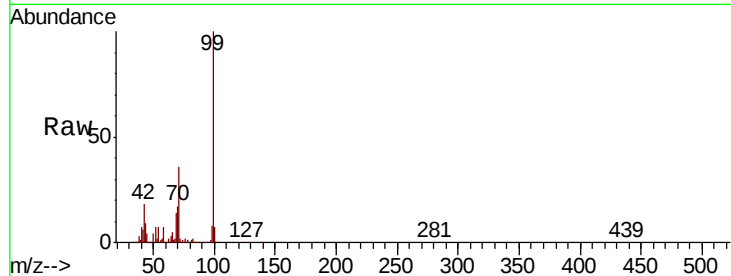
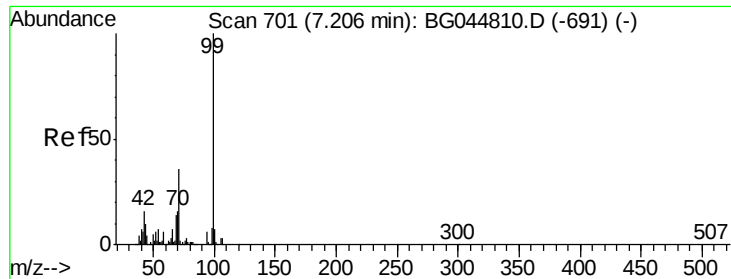


#5

2-Fluorophenol
Concen: 118.399 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.00 min
Lab File: BG044864.D
Acq: 18 Mar 2020 13:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	53.4	80.2
63	36.5	29.4	44.2





#7

Phenol-d6

Concen: 104.502 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG044864.D

Acq: 18 Mar 2020 13:35

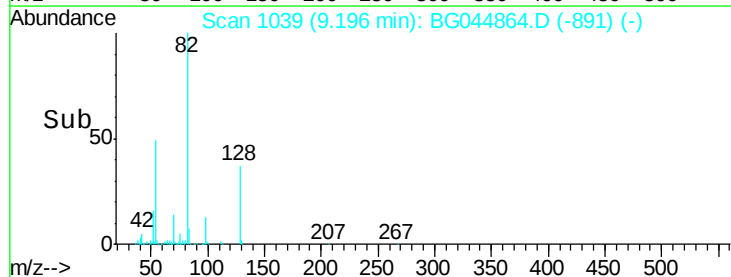
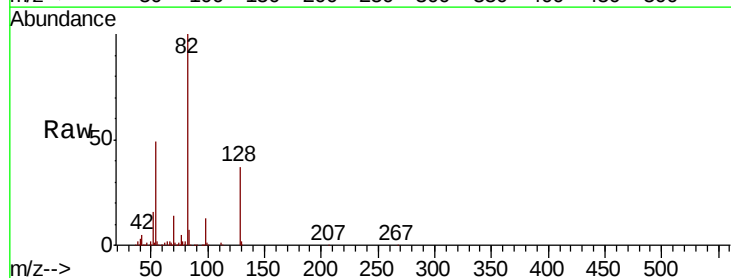
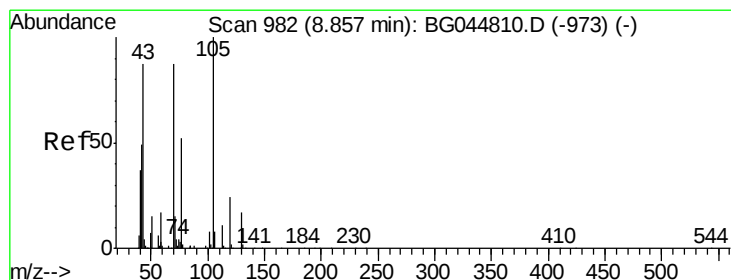
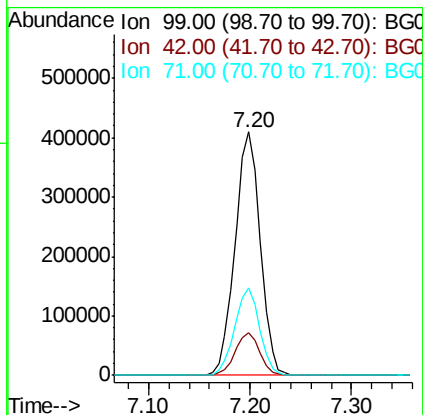
Tot Ion: 99 Resp: 706291

Ion Ratio Lower Upper

99 100

42 17.6 12.6 19.0

71 35.7 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 16.797 ng

RT: 9.20 min Scan# 1039

Delta R.T. 0.34 min

Lab File: BG044864.D

Acq: 18 Mar 2020 13:35

Tgt Ion: 70 Resp: 80159

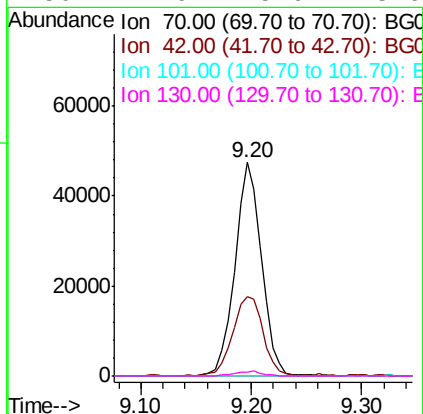
Ion Ratio Lower Upper

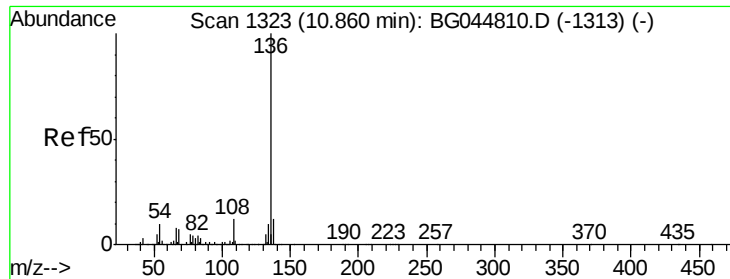
70 100

42 37.4 45.7 68.5#

101 0.0 7.4 11.2#

130 1.9 15.9 23.9#

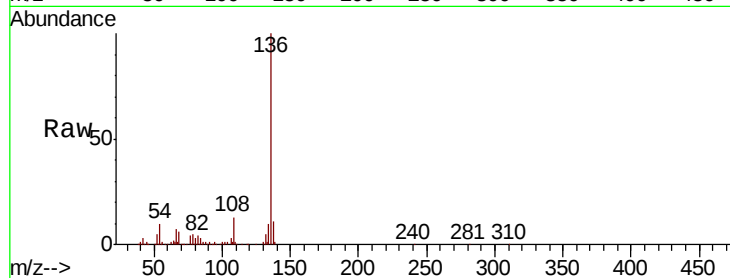




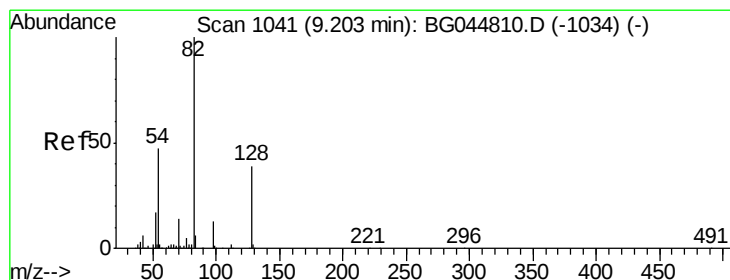
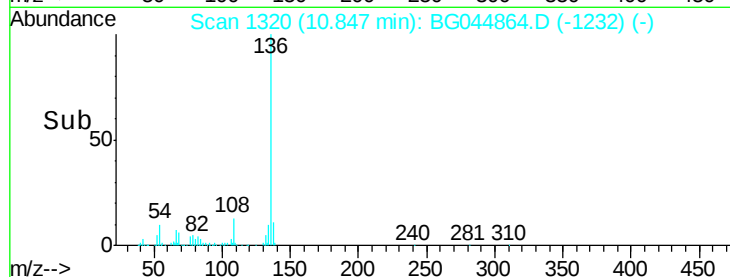
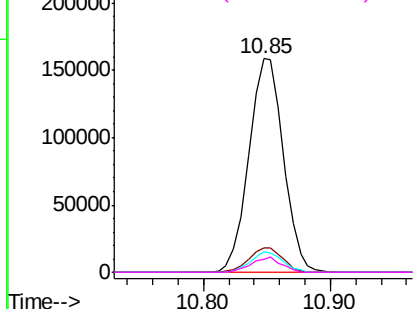
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BG044864.D
Acq: 18 Mar 2020 13:35

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	300481
Ion	Ratio	Lower Upper
136	100	
137	11.4	9.8 14.6
54	9.5	7.9 11.9
68	6.1	5.4 8.0

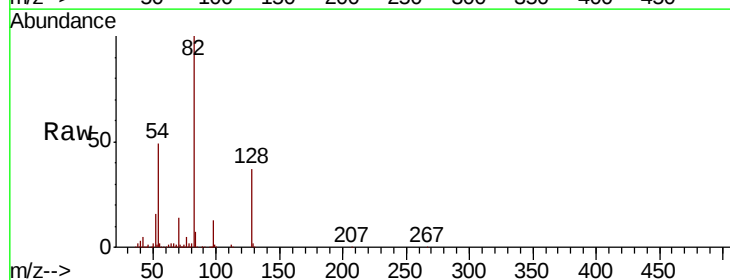


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

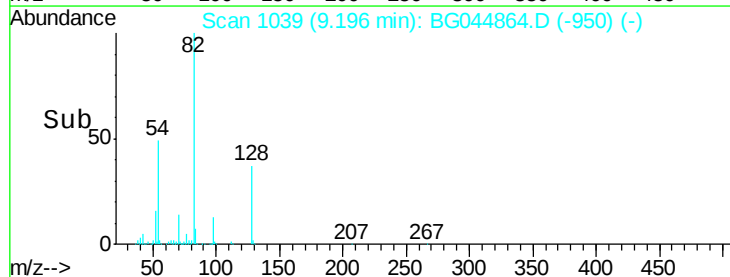
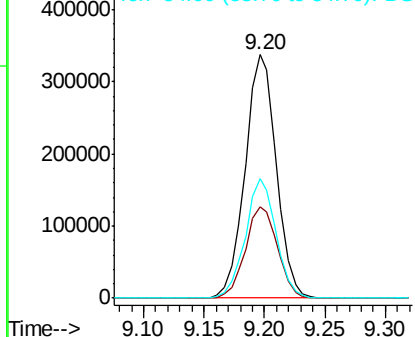


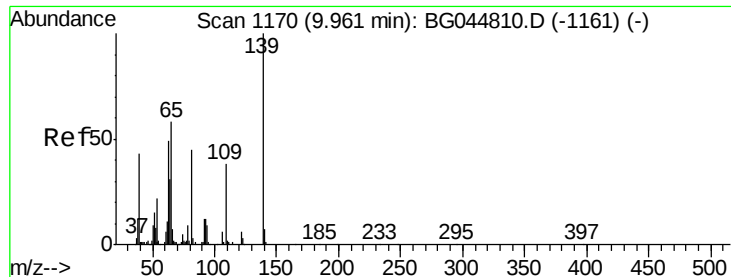
#23
Nitrobenzene-d5
Concen: 88.609 ng
RT: 9.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BG044864.D
Acq: 18 Mar 2020 13:35

Tgt Ion: 82	Resp:	606760
Ion	Ratio	Lower Upper
82	100	
128	37.5	30.6 46.0
54	49.2	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

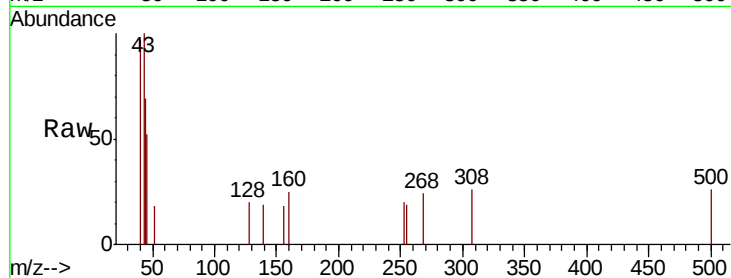




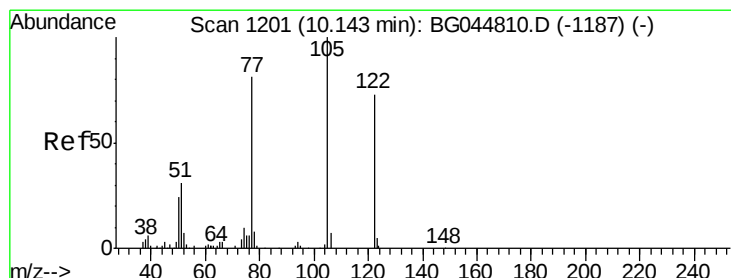
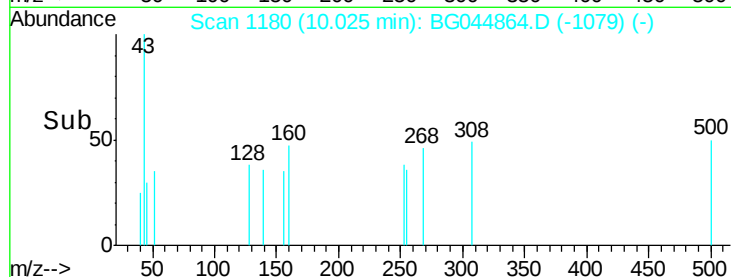
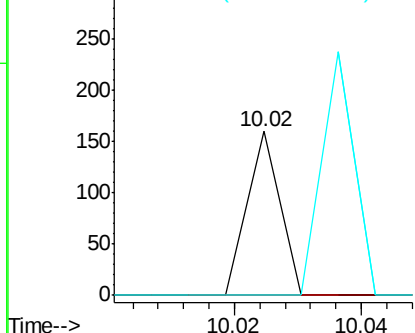
#26
2-Nitrophenol
Concen: 5.535 ng
RT: 10.02 min Scan# 1180
Delta R.T. 0.06 min
Lab File: BG044864.D
Acq: 18 Mar 2020 13:35

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#

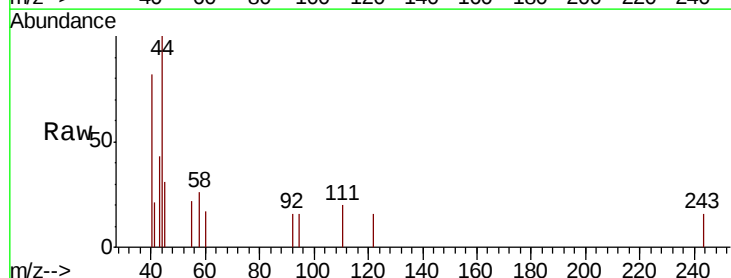


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

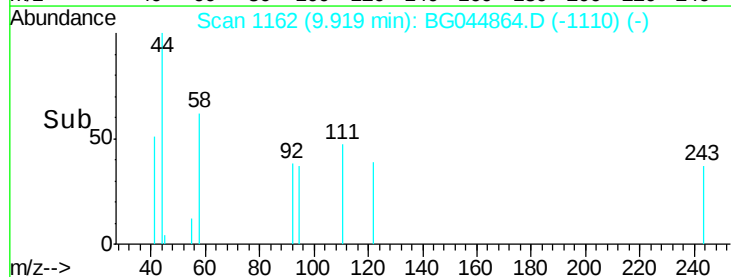
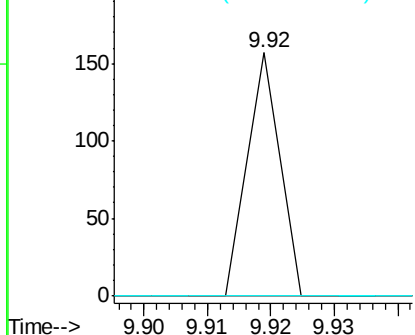


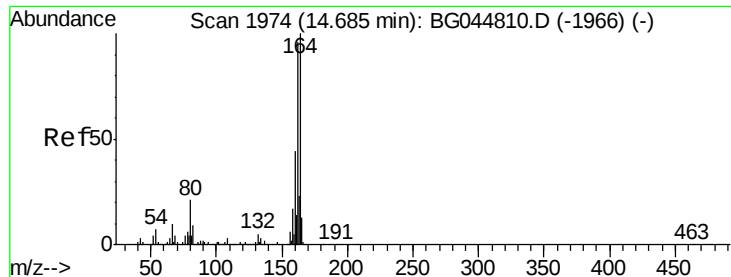
#32
Benzoic acid
Concen: 9.683 ng
RT: 9.92 min Scan# 1162
Delta R.T. -0.22 min
Lab File: BG044864.D
Acq: 18 Mar 2020 13:35

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	0.0	85.3	125.3#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1971

Delta R.T. -0.01 min

Lab File: BG044864.D

Acq: 18 Mar 2020 13:35

Instrument :

BNA_G

ClientSampleId :

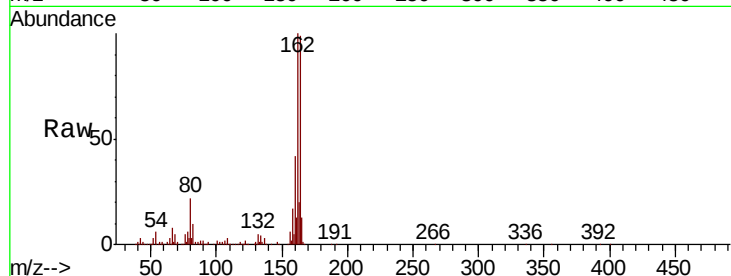
Tot Ion:164 Resp: 218327

Ion Ratio Lower Upper

164 100

162 100.7 76.7 115.1

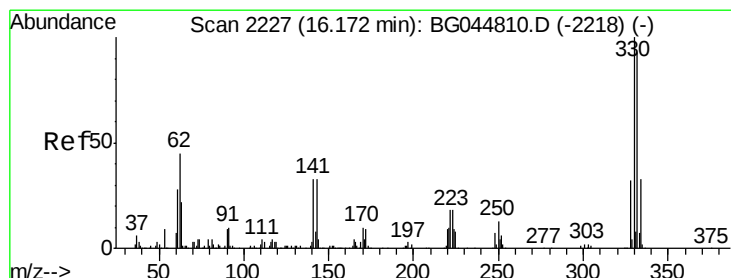
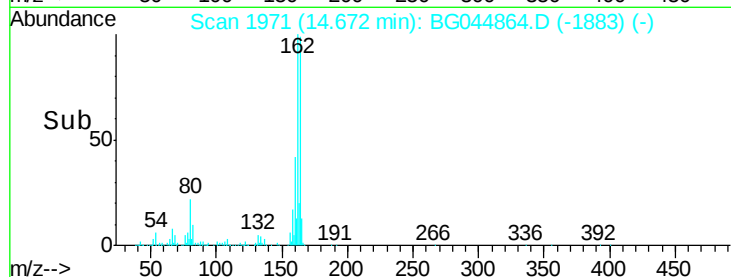
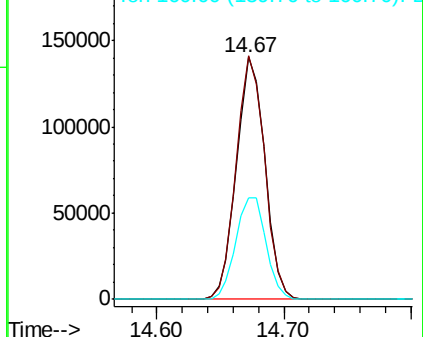
160 42.1 35.0 52.4



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: 158.033 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG044864.D

Acq: 18 Mar 2020 13:35

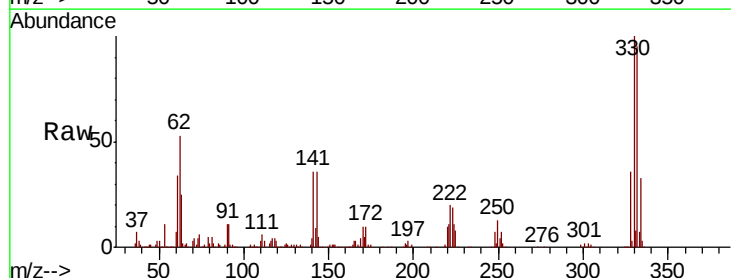
Tgt Ion:330 Resp: 451763

Ion Ratio Lower Upper

330 100

332 96.8 77.8 116.6

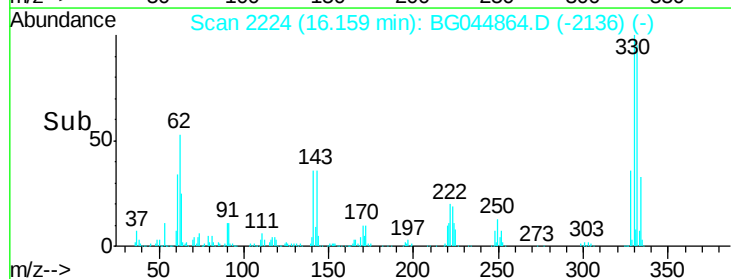
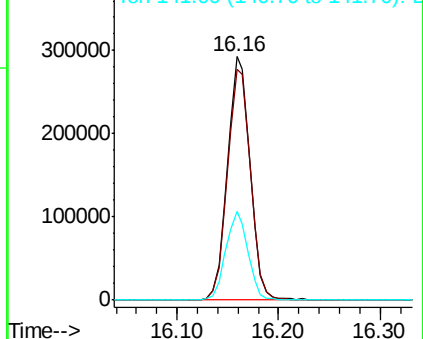
141 35.9 29.5 44.3

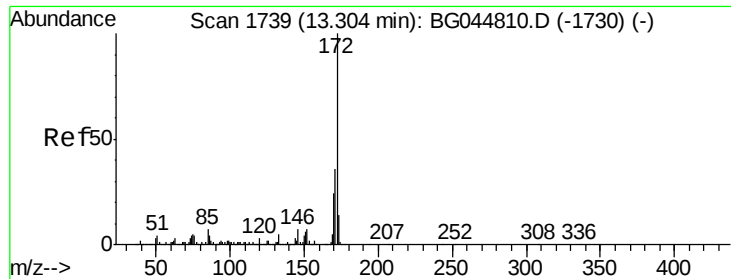


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

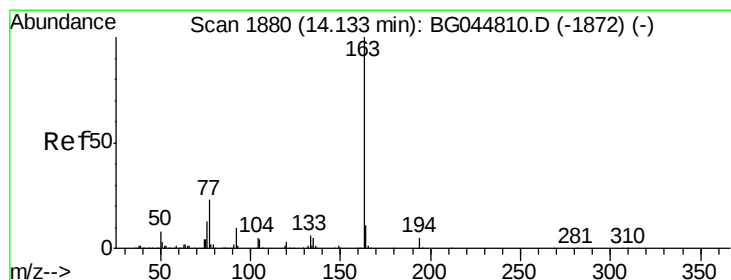
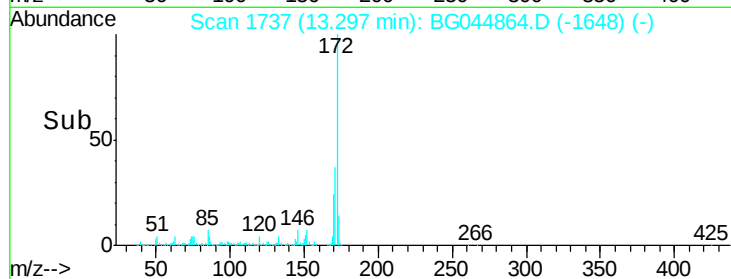
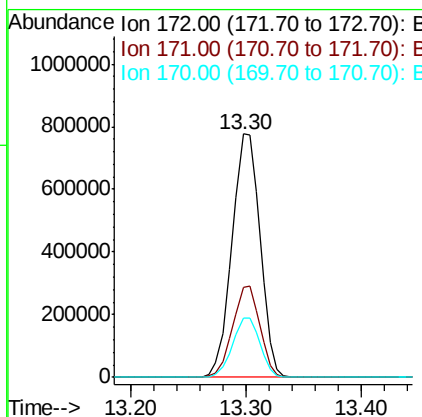
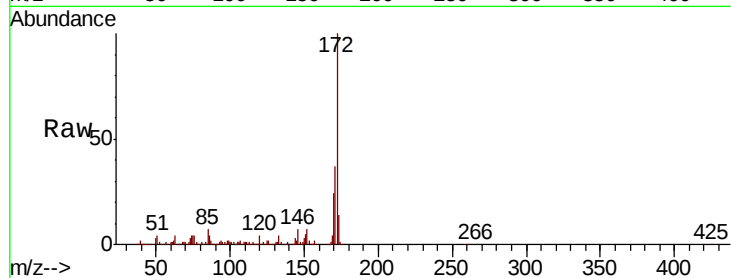




#45
2-Fluorobiphenyl
Concen: 85.843 ng
RT: 13.30 min Scan# 1737
Delta R.T. -0.01 min
Lab File: BG044864.D
Acq: 18 Mar 2020 13:35

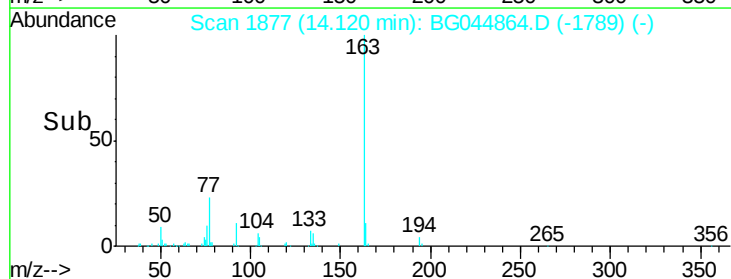
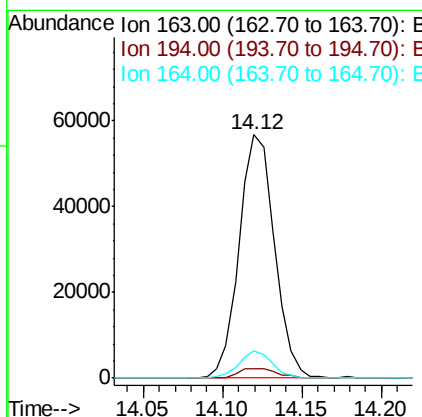
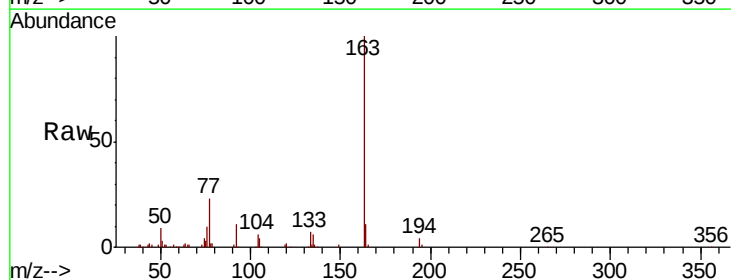
Instrument :
BNA_G
ClientSampled :

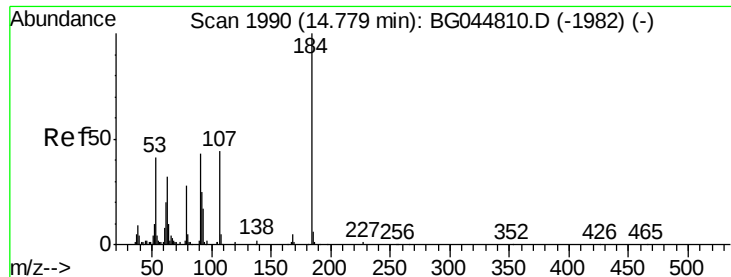
Tot Ion:172 Resp: 1308764
Ion Ratio Lower Upper
172 100
171 37.0 28.7 43.1
170 24.4 19.0 28.6



#50
Dimethylphthalate
Concen: 5.052 ng
RT: 14.12 min Scan# 1877
Delta R.T. -0.01 min
Lab File: BG044864.D
Acq: 18 Mar 2020 13:35

Tgt Ion:163 Resp: 87850
Ion Ratio Lower Upper
163 100
194 3.9 3.7 5.5
164 11.1 9.1 13.7

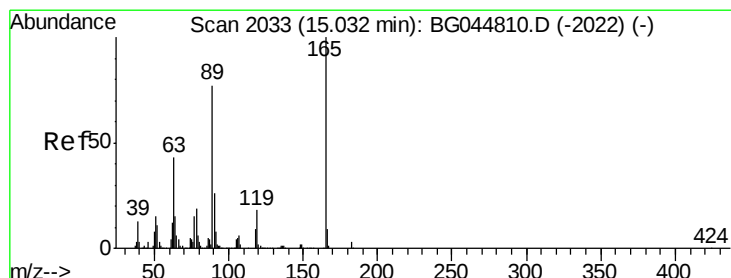
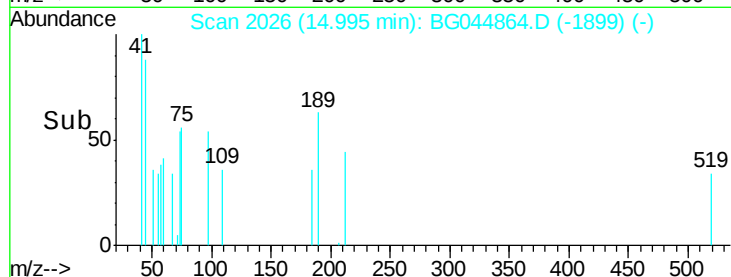
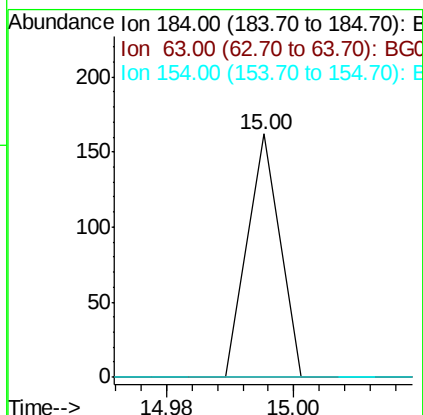
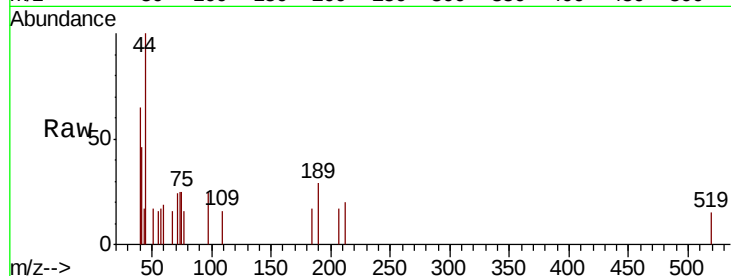




#54
2,4-Dinitrophenol
Concen: 8.351 ng
RT: 15.00 min Scan# 2026
Delta R.T. 0.22 min
Lab File: BG044864.D
Acq: 18 Mar 2020 13:35

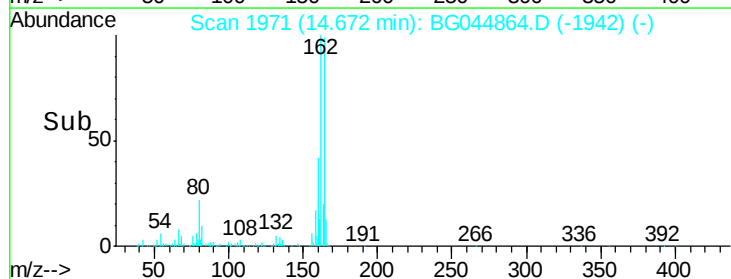
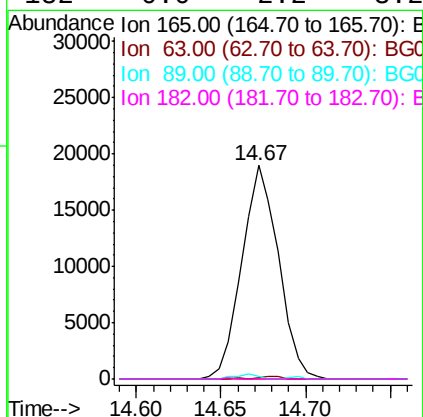
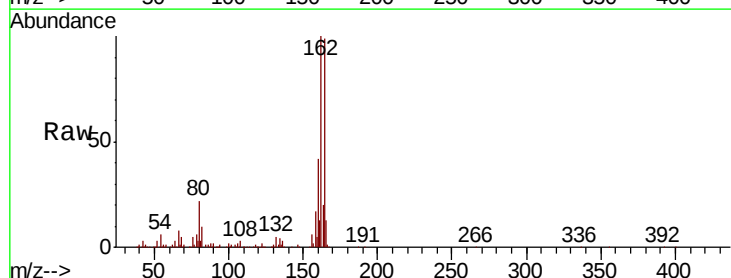
Instrument :
BNA_G
ClientSampleId :

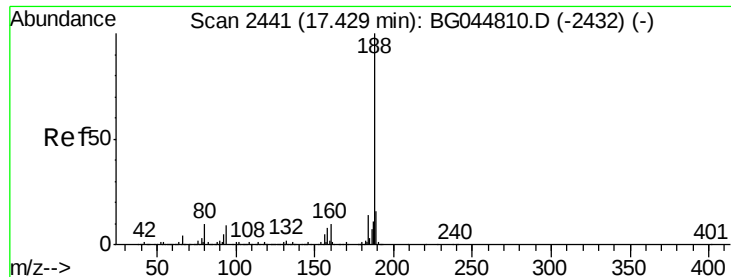
Tot Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 0.0 49.1 73.7#



#57
2,4-Dinitrotoluene
Concen: 5.979 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.36 min
Lab File: BG044864.D
Acq: 18 Mar 2020 13:35

Tgt Ion:165 Resp: 28741
Ion Ratio Lower Upper
165 100
63 0.9 34.6 52.0#
89 1.0 61.3 91.9#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG044864.D

Acq: 18 Mar 2020 13:35

Instrument :

BNA_G

ClientSampleId :

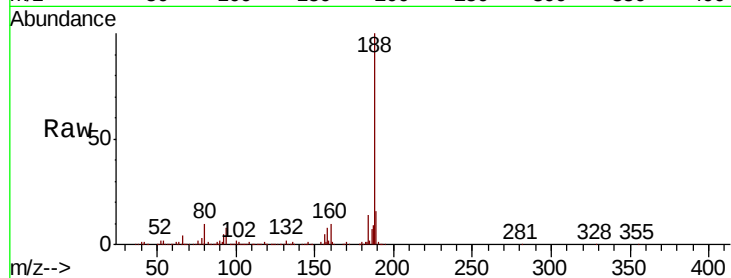
Tot Ion:188 Resp: 522075

Ion Ratio Lower Upper

188 100

94 8.2 7.3 10.9

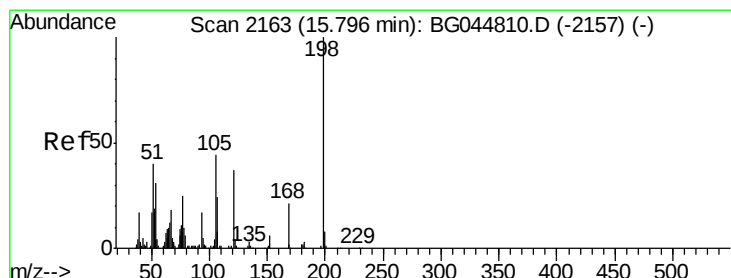
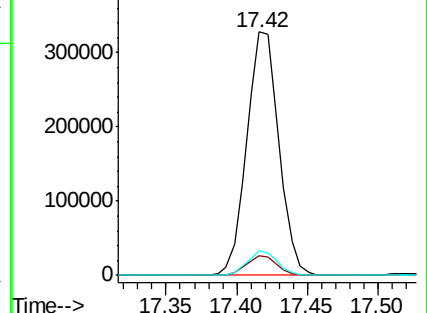
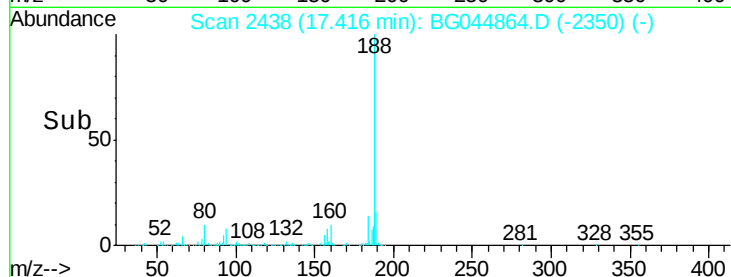
80 10.4 8.0 12.0



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: 7.751 ng

RT: 15.77 min Scan# 2158

Delta R.T. -0.02 min

Lab File: BG044864.D

Acq: 18 Mar 2020 13:35

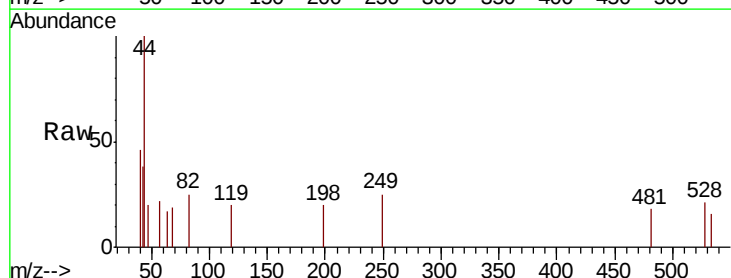
Tgt Ion:198 Resp: 67

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

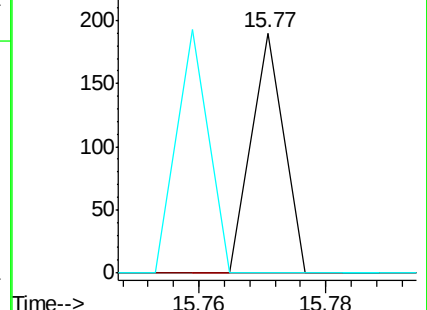
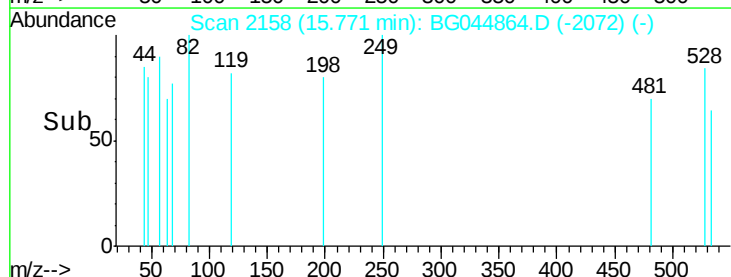
105 0.0 24.5 64.5#

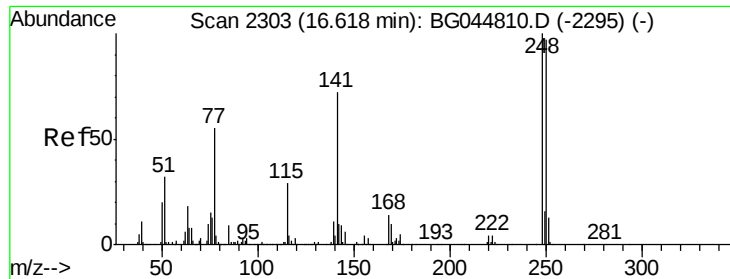


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.797 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.46 min

Lab File: BG044864.D

Acq: 18 Mar 2020 13:35

Instrument :

BNA_G

ClientSampleId :

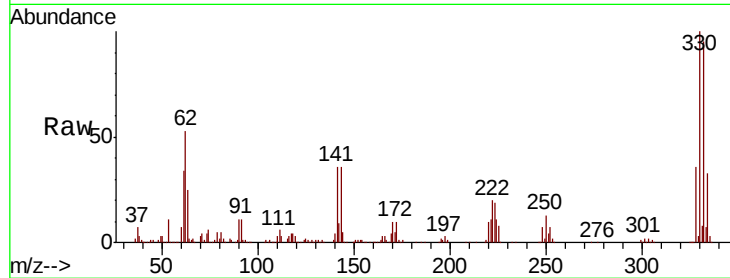
Tot Ion:248 Resp: 31309

Ion Ratio Lower Upper

248 100

250 190.7 77.9 116.9#

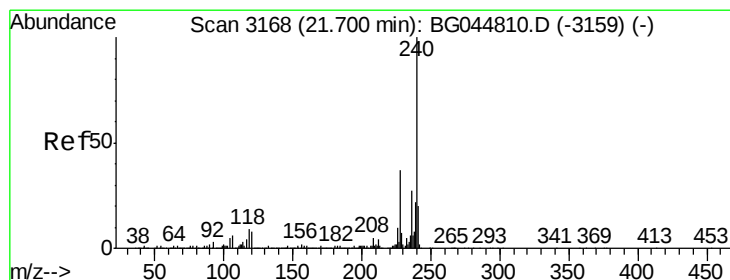
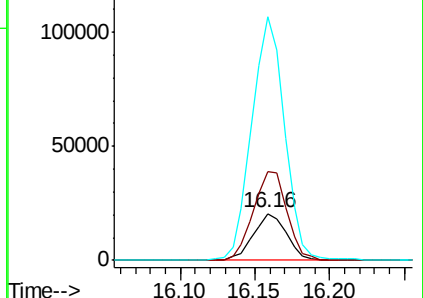
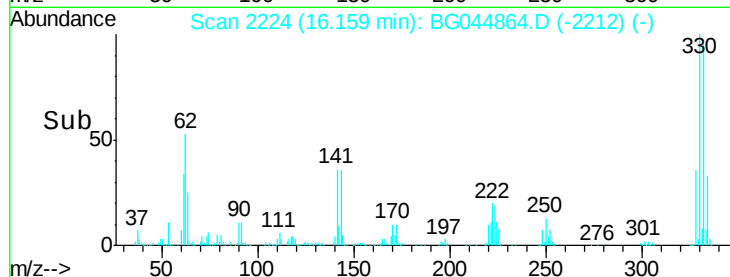
141 520.5 57.5 86.3#



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: 21.69 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG044864.D

Acq: 18 Mar 2020 13:35

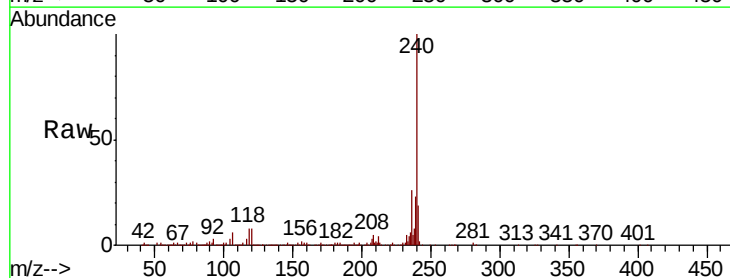
Tgt Ion:240 Resp: 473831

Ion Ratio Lower Upper

240 100

120 7.5 6.7 10.1

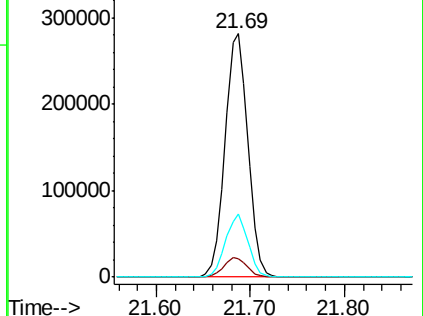
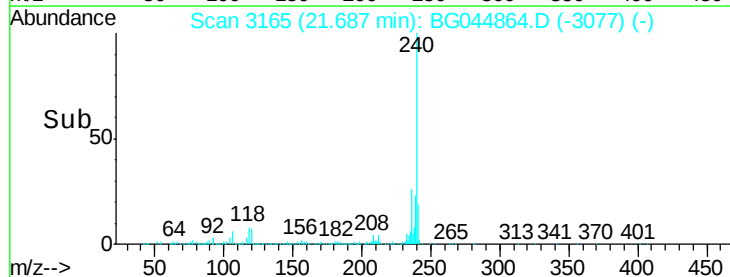
236 26.0 21.5 32.3

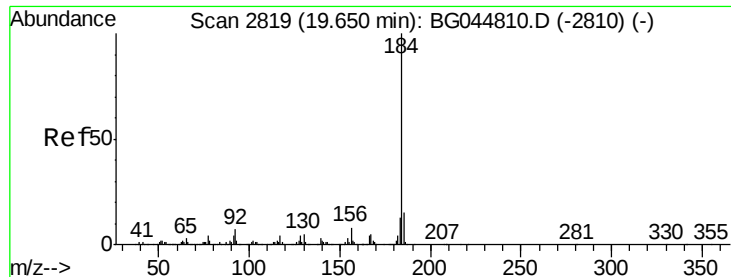


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.785 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG044864.D

Acq: 18 Mar 2020 13:35

Instrument :

BNA_G

ClientSampleId :

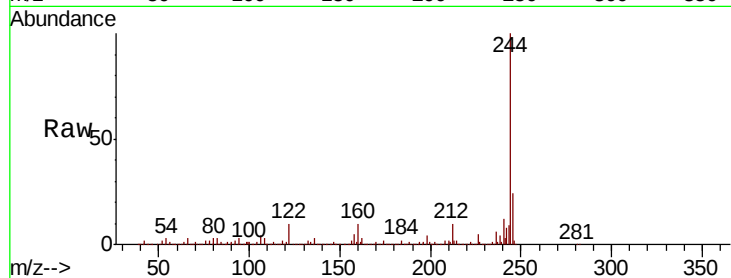
Tot Ion:184 Resp: 42843

Ion Ratio Lower Upper

184 100

185 17.4 12.2 18.4

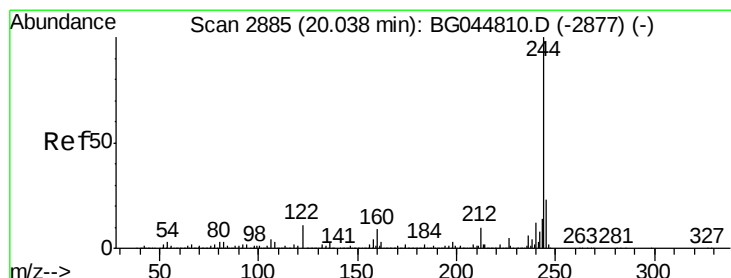
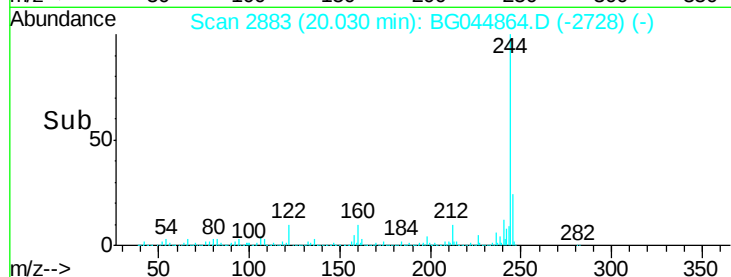
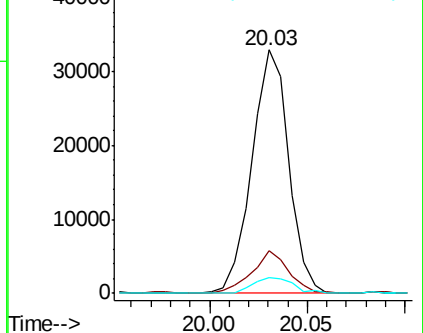
183 6.7 10.7 16.1#



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: 87.989 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG044864.D

Acq: 18 Mar 2020 13:35

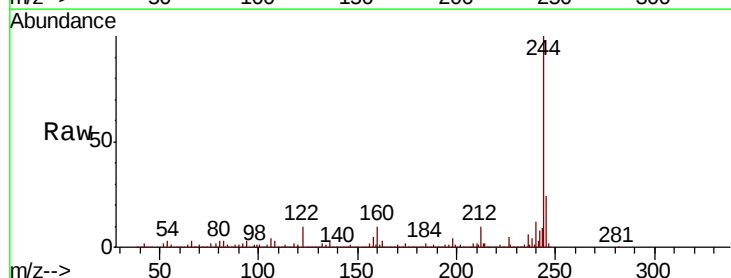
Tgt Ion:244 Resp: 2228849

Ion Ratio Lower Upper

244 100

212 10.0 7.7 11.5

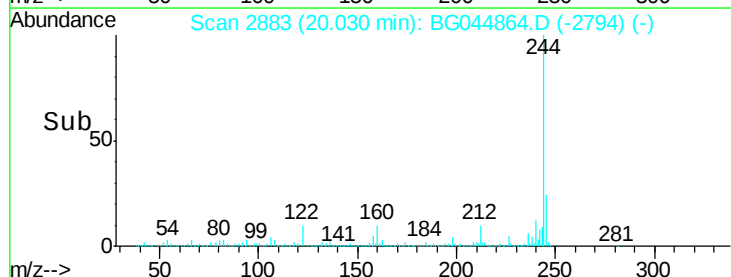
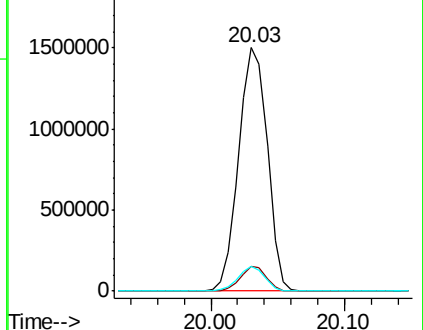
122 10.2 8.6 12.8

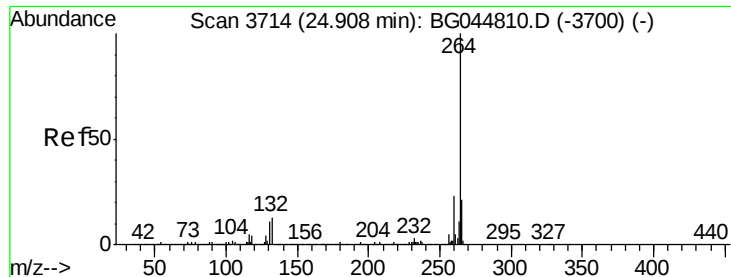


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.90 min Scan# 3711
 Delta R.T. -0.01 min
 Lab File: BG044864.D
 Acq: 18 Mar 2020 13:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.1	27.1
265	21.7	17.1	25.7

