

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044860.D
 Acq On : 18 Mar 2020 10:59
 Operator : CG/JU
 Sample : L1933-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 18 11:48:36 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

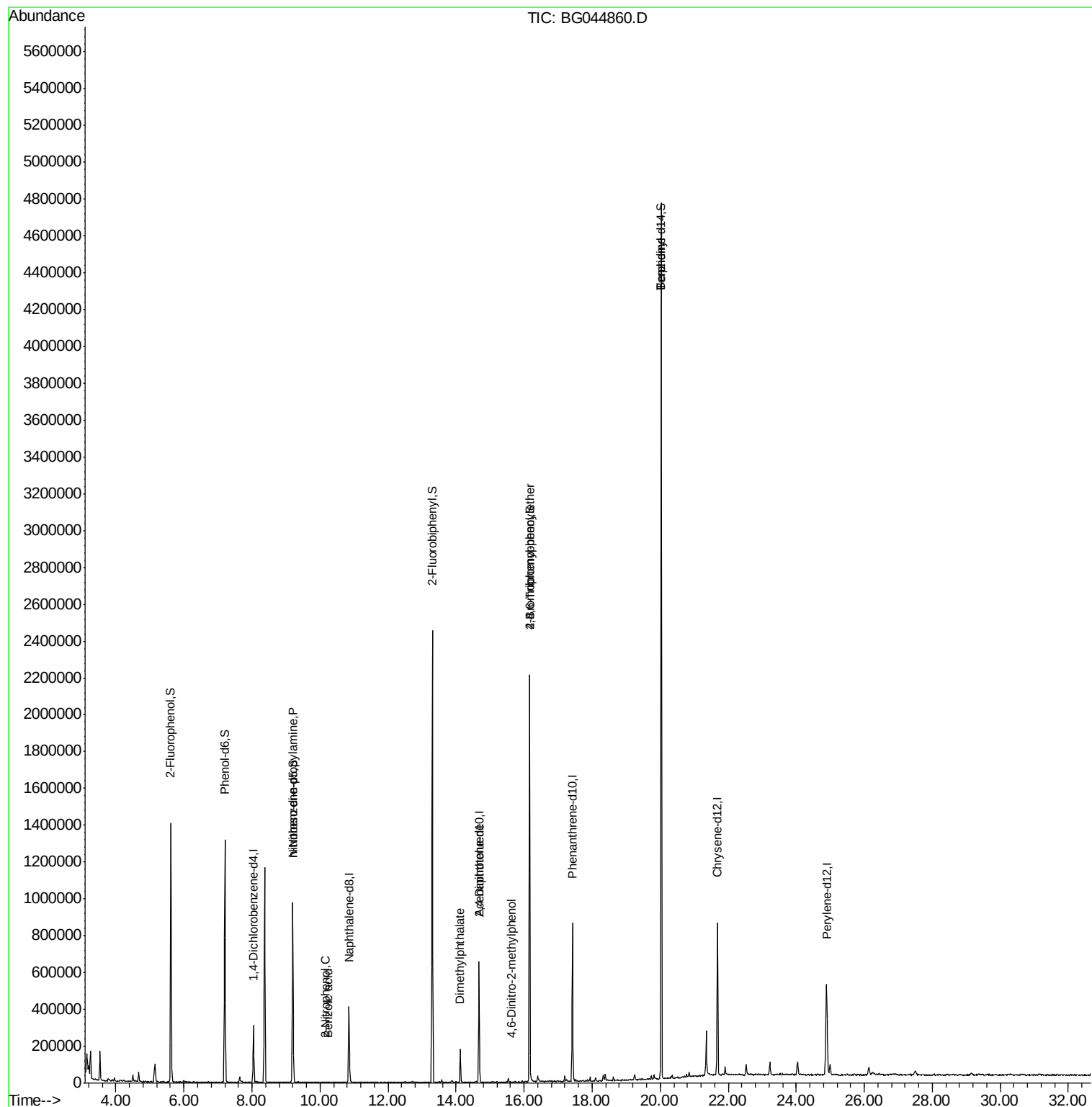
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	91752	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	350700	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	239409	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	539879	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	485592	20.00	ng	-0.02
87) Perylene-d12	24.89	264	552697	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	630360	106.95	ng	0.00
7) Phenol-d6	7.20	99	808650	94.43	ng	0.00
23) Nitrobenzene-d5	9.20	82	644182	80.60	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	423086	134.97	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1344253	80.41	ng	0.00
79) Terphenyl-d14	20.03	244	2167157	83.48	ng	0.00
Target Compounds						
9) Benzaldehyde	7.14	77	117	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.20	70	85862	14.199 ng	#	43
26) 2-Nitrophenol	10.15	139	79	5.539 ng	#	75
32) Benzoic acid	10.23	122	62	9.682 ng	#	67
50) Dimethylphthalate	14.12	163	121720	6.384 ng	#	1
57) 2,4-Dinitrotoluene	14.67	165	30943	5.870 ng	#	98
65) 4,6-Dinitro-2-methylphenol	15.62	198	70	7.751 ng	#	22
67) 4-Bromophenyl-phenylether	16.16	248	31097	4.607 ng	#	33
77) Benzidine	20.03	184	43585	2.765 ng	#	1
					#	90

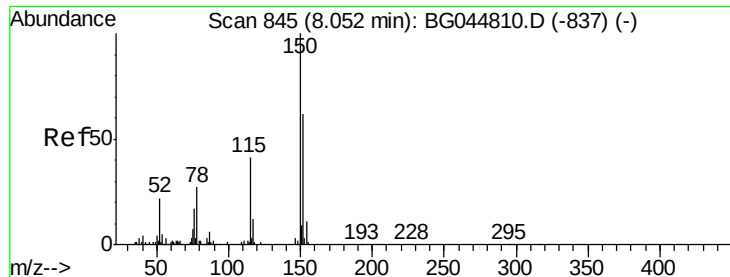
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
Data File : BG044860.D
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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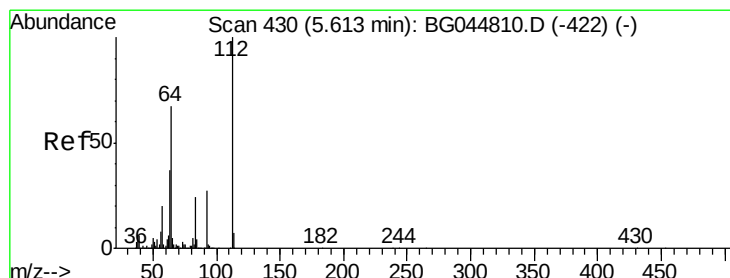
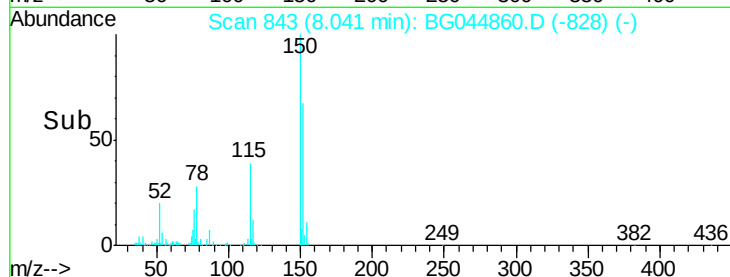
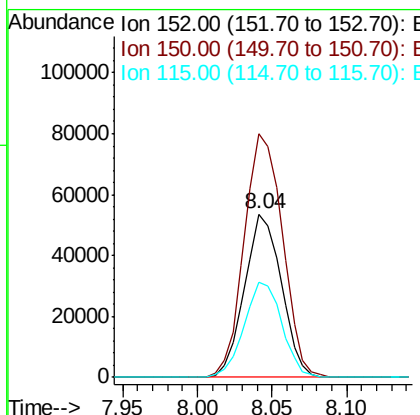
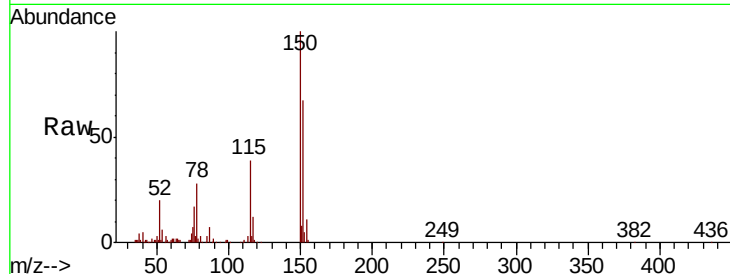


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.04 min Scan# 843
 Delta R.T. -0.01 min
 Lab File: BG044860.D
 Acq: 18 Mar 2020 10:59

Instrument :
 BNA_G
 ClientSampled :

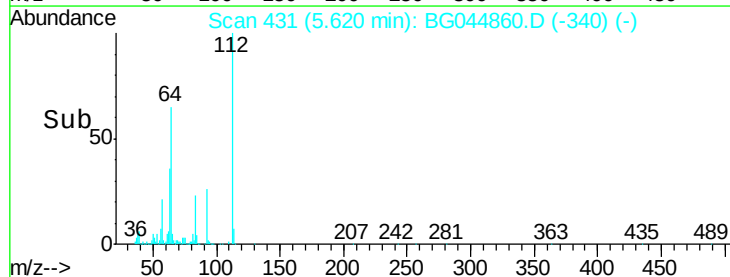
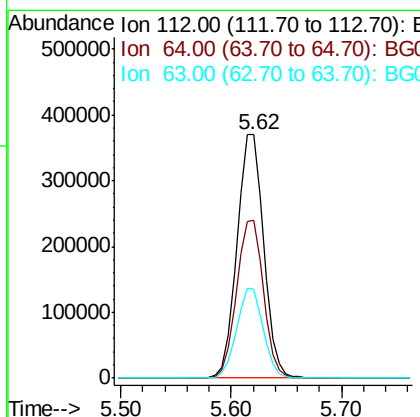
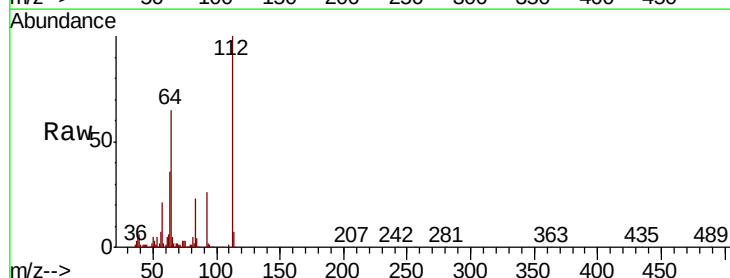
Tot Ion:152 Resp: 91752
 Ion Ratio Lower Upper
 152 100
 150 148.9 128.8 193.2
 115 58.3 52.6 79.0

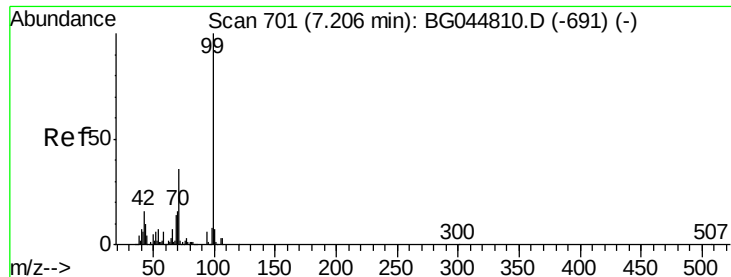


#5

2-Fluorophenol
 Concen: 106.949 ng
 RT: 5.62 min Scan# 431
 Delta R.T. 0.01 min
 Lab File: BG044860.D
 Acq: 18 Mar 2020 10:59

Tgt Ion:112 Resp: 630360
 Ion Ratio Lower Upper
 112 100
 64 64.6 53.4 80.2
 63 36.3 29.4 44.2





#7

Phenol-d6

Concen: 94.428 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044860.D

Acq: 18 Mar 2020 10:59

Instrument :

BNA_G

ClientSampleId :

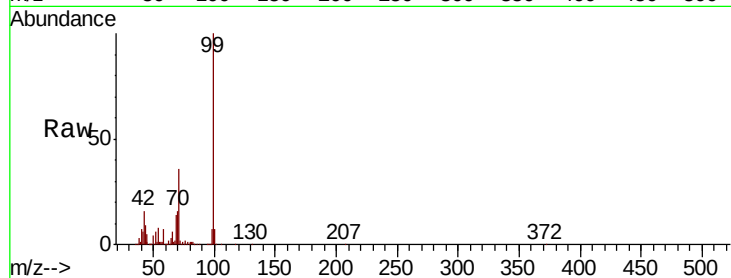
Tot Ion: 99 Resp: 808650

Ion Ratio Lower Upper

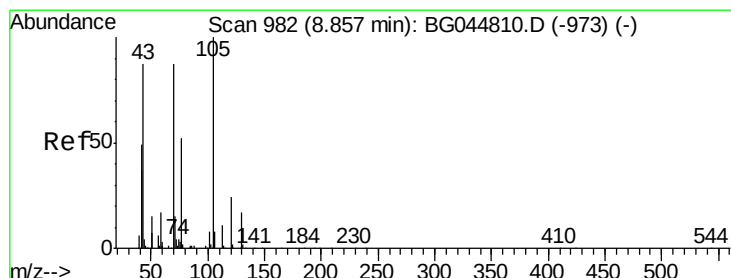
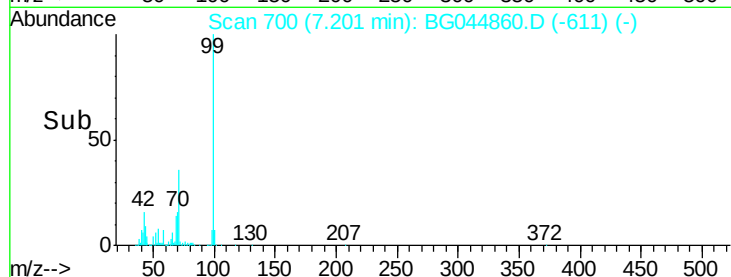
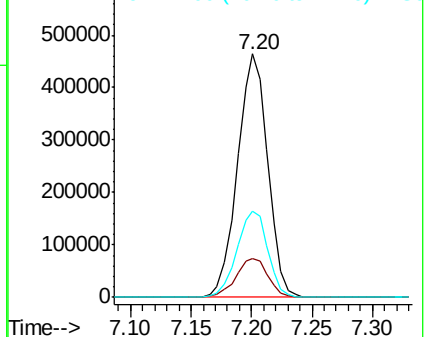
99 100

42 16.1 12.6 19.0

71 35.6 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: 14.199 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044860.D

Acq: 18 Mar 2020 10:59

Tgt Ion: 70 Resp: 85862

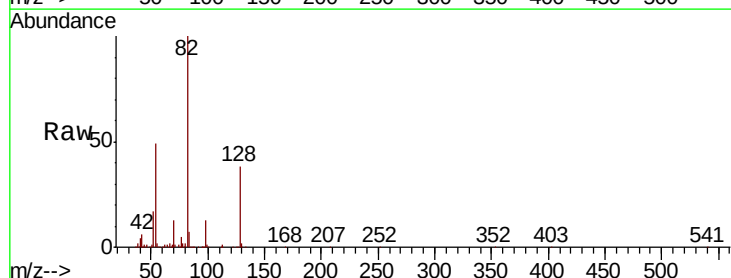
Ion Ratio Lower Upper

70 100

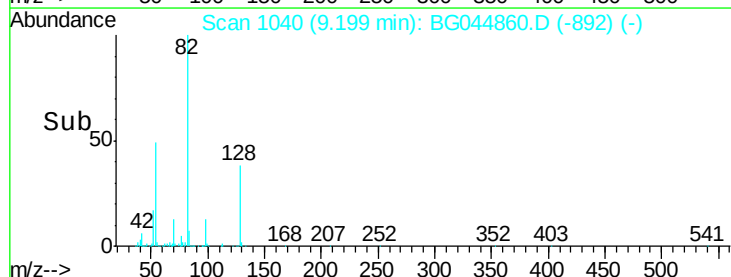
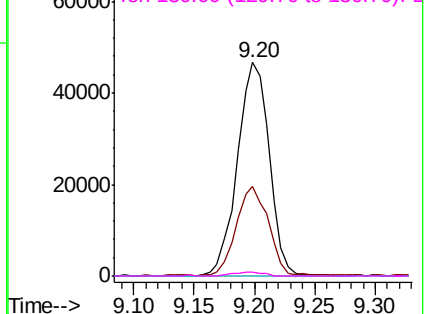
42 42.1 45.7 68.5#

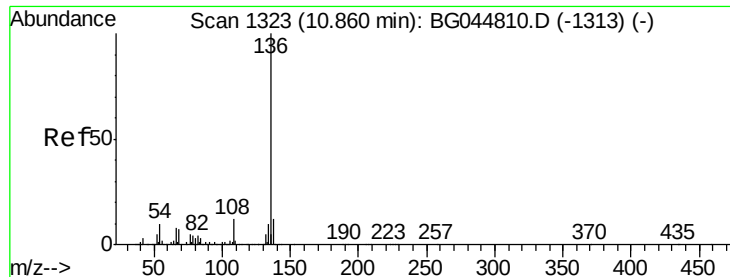
101 0.0 7.4 11.2#

130 2.0 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: BG044860.D

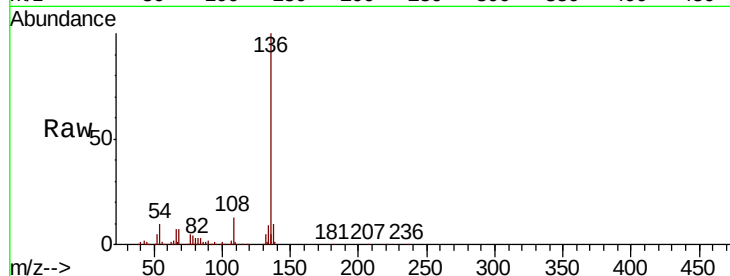
Acq: 18 Mar 2020 10:59

Instrument :

BNA_G

ClientSampled :

Tot Ion:136	Resp:	350700
Ion Ratio	Lower	Upper
136	100	
137	10.0	9.8 14.6
54	10.2	7.9 11.9
68	6.5	5.4 8.0

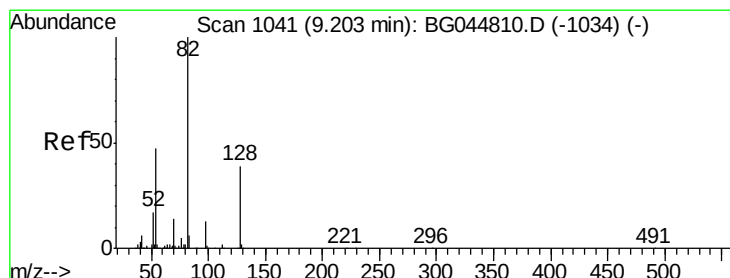
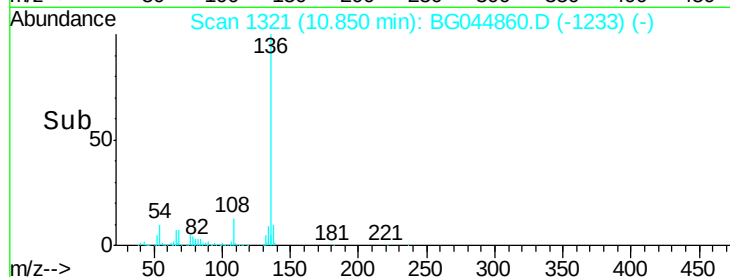
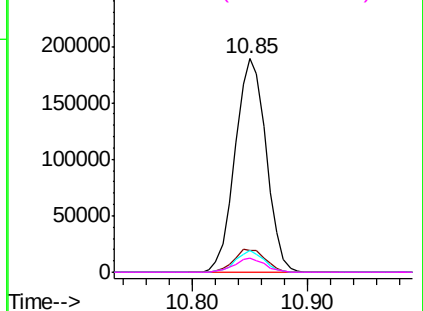


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.603 ng

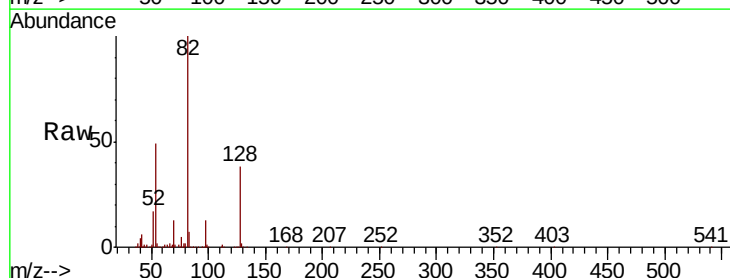
RT: 9.20 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BG044860.D

Acq: 18 Mar 2020 10:59

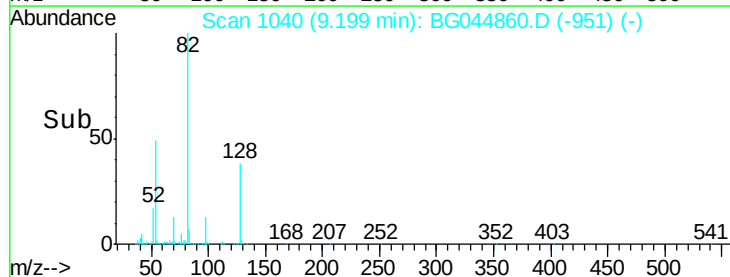
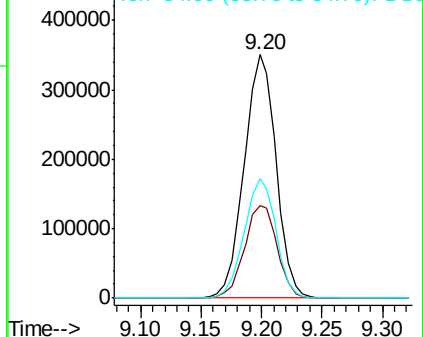
Tgt Ion: 82	Resp:	644182
Ion Ratio	Lower	Upper
82	100	
128	37.9	30.6 46.0
54	49.3	37.1 55.7

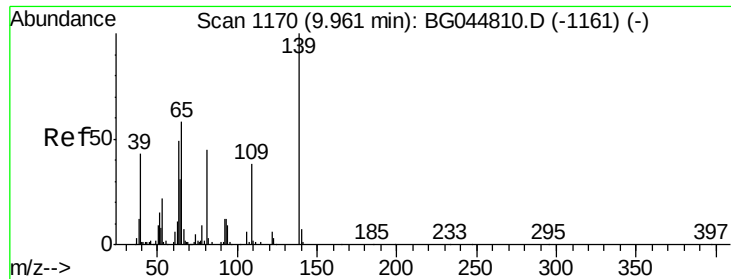


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

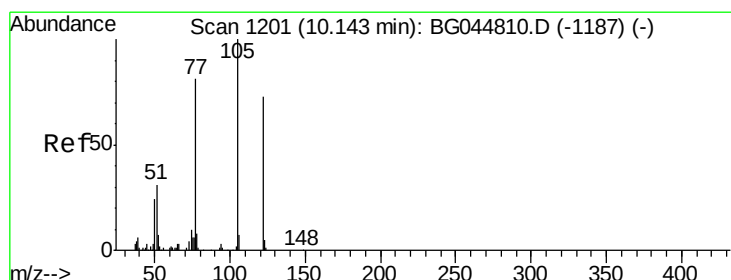
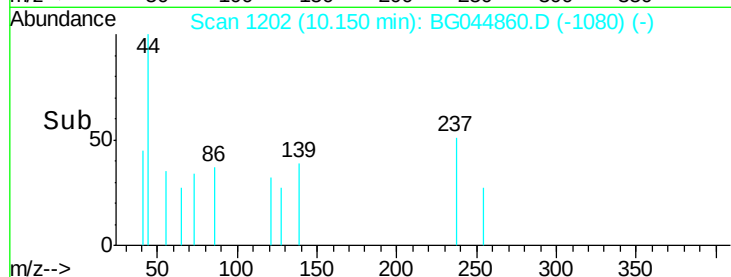
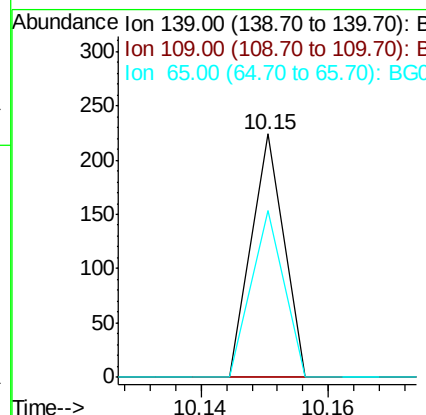
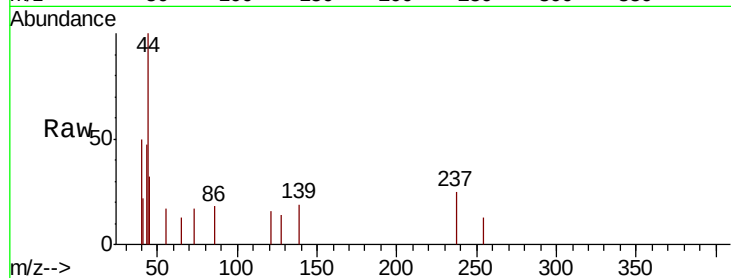




#26
2-Nitrophenol
Concen: 5.539 ng
RT: 10.15 min Scan# 1202
Delta R.T. 0.19 min
Lab File: BG044860.D
Acq: 18 Mar 2020 10:59

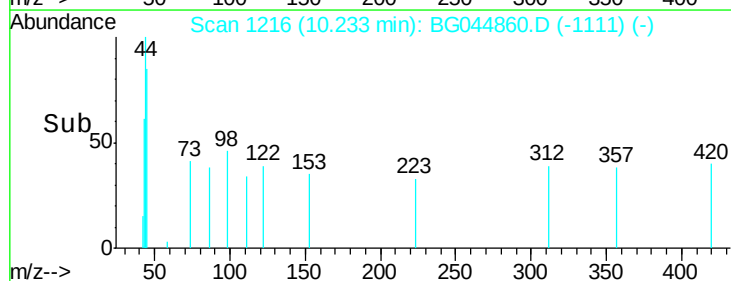
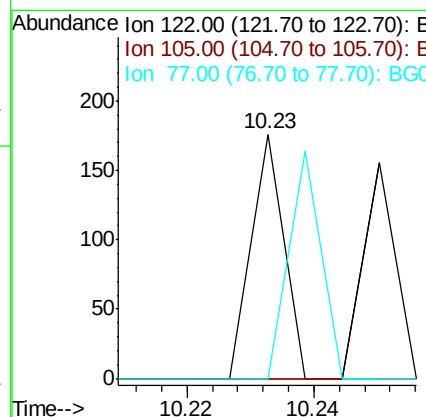
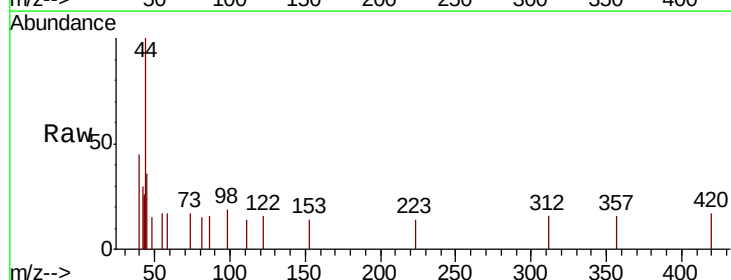
Instrument :
BNA_G
ClientSampleId :

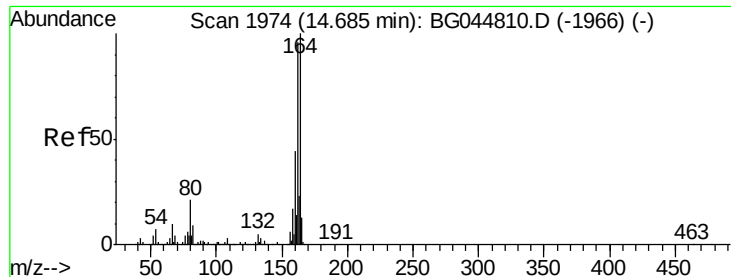
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	68.3	46.3	69.5



#32
Benzoic acid
Concen: 9.682 ng
RT: 10.23 min Scan# 1216
Delta R.T. 0.09 min
Lab File: BG044860.D
Acq: 18 Mar 2020 10:59

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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044860.D

Acq: 18 Mar 2020 10:59

Instrument :

BNA_G

ClientSampleId :

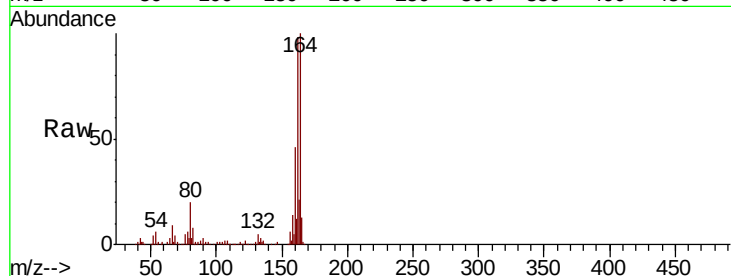
Tot Ion:164 Resp: 239409

Ion Ratio Lower Upper

164 100

162 98.3 76.7 115.1

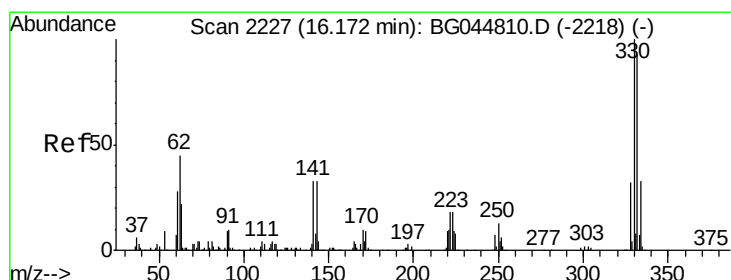
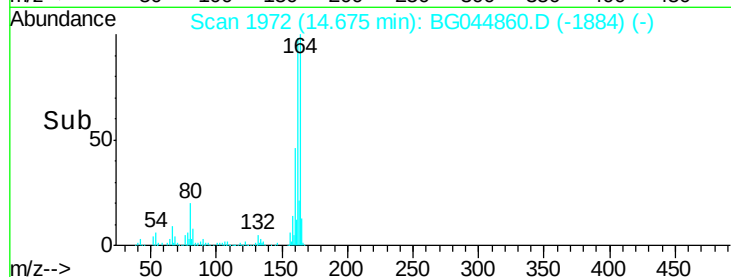
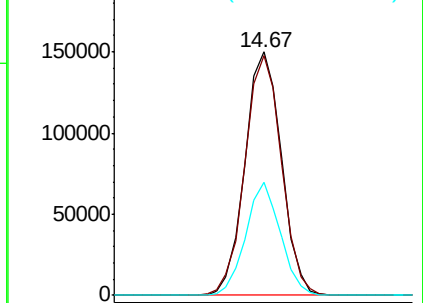
160 46.5 35.0 52.4



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: 134.969 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044860.D

Acq: 18 Mar 2020 10:59

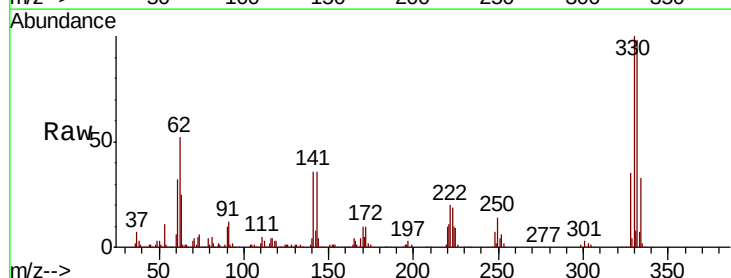
Tgt Ion:330 Resp: 423086

Ion Ratio Lower Upper

330 100

332 97.4 77.8 116.6

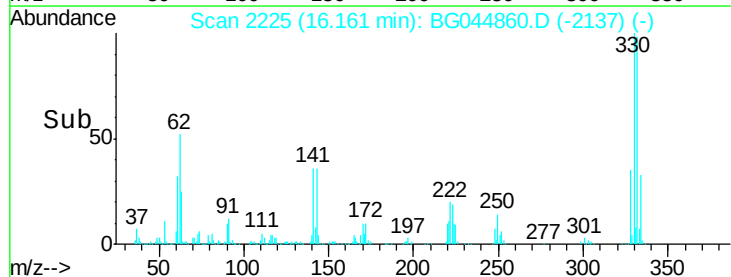
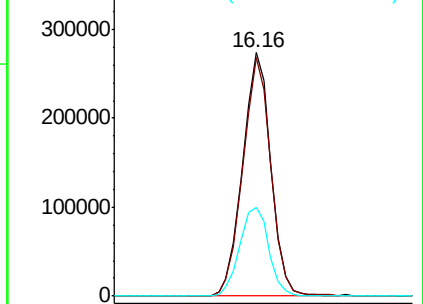
141 38.0 29.5 44.3

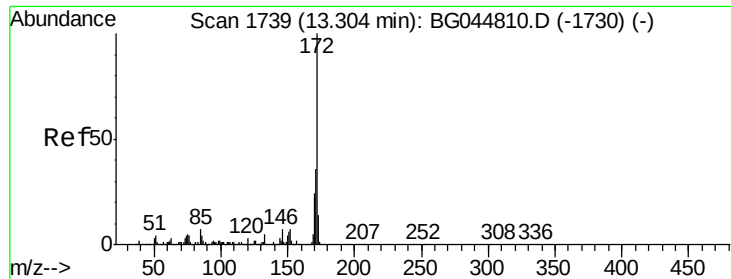


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

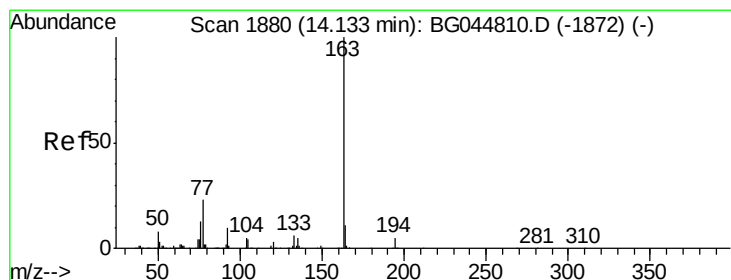
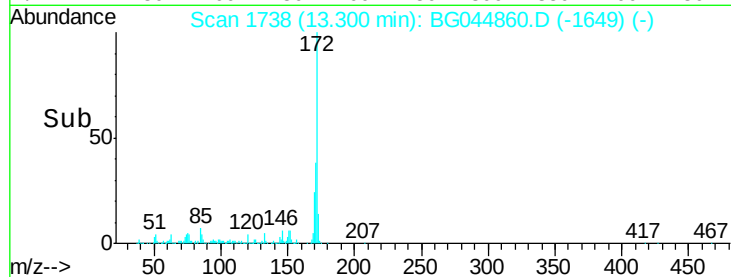
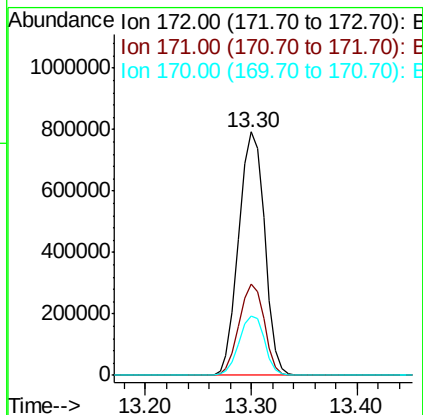
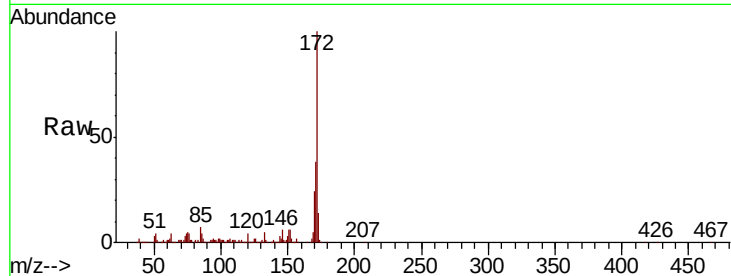




#45
2-Fluorobiphenyl
Concen: 80.407 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.00 min
Lab File: BG044860.D
Acq: 18 Mar 2020 10:59

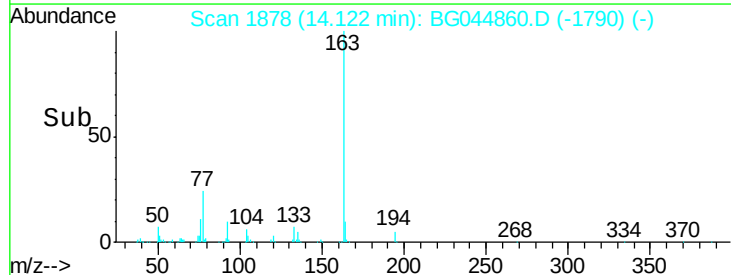
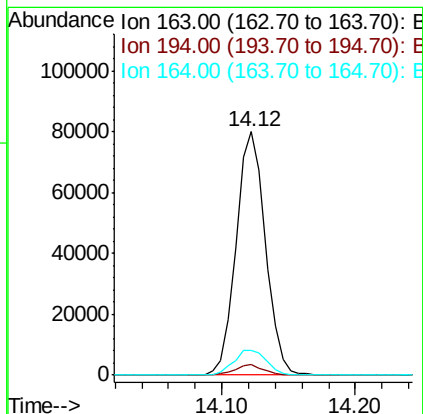
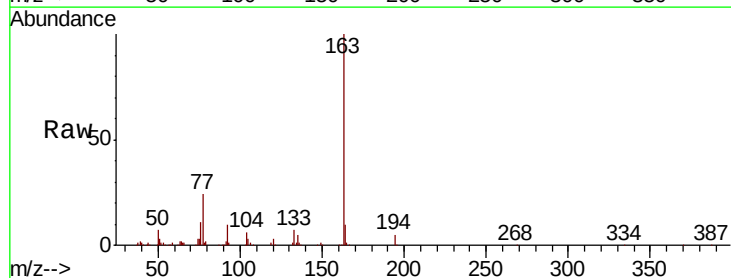
Instrument :
BNA_G
ClientSampleId :

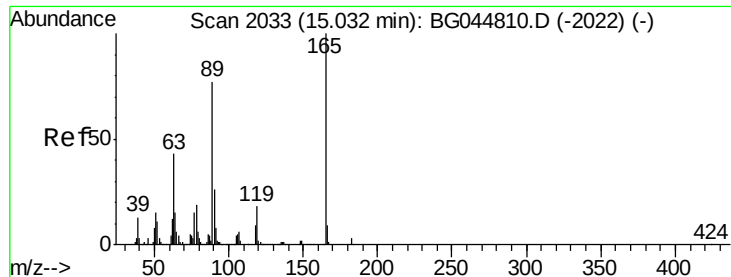
Tot Ion:172 Resp: 1344253
Ion Ratio Lower Upper
172 100
171 37.6 28.7 43.1
170 24.3 19.0 28.6



#50
Dimethylphthalate
Concen: 6.384 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044860.D
Acq: 18 Mar 2020 10:59

Tgt Ion:163 Resp: 121720
Ion Ratio Lower Upper
163 100
194 4.6 3.7 5.5
164 10.1 9.1 13.7

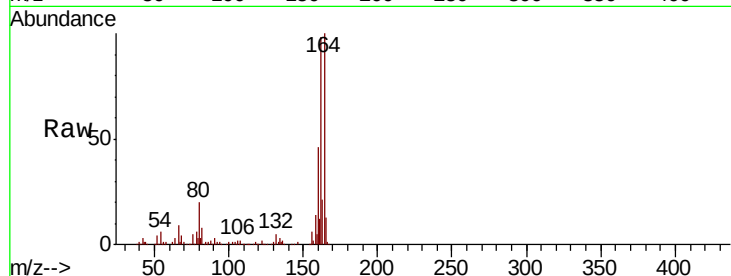




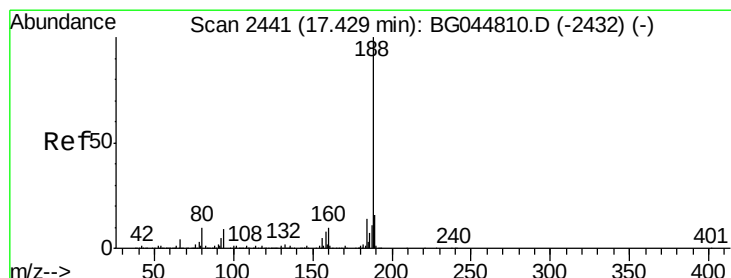
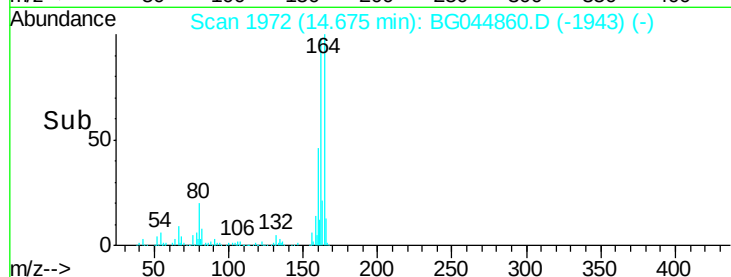
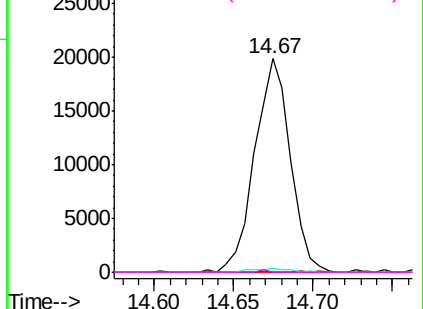
#57
 2,4-Dinitrotoluene
 Concen: 5.870 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.36 min
 Lab File: BG044860.D
 Acq: 18 Mar 2020 10:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 30943
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.6 52.0#
 89 1.6 61.3 91.9#
 182 0.0 2.2 3.2#

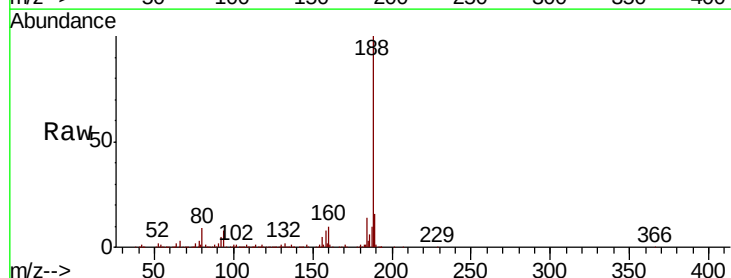


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

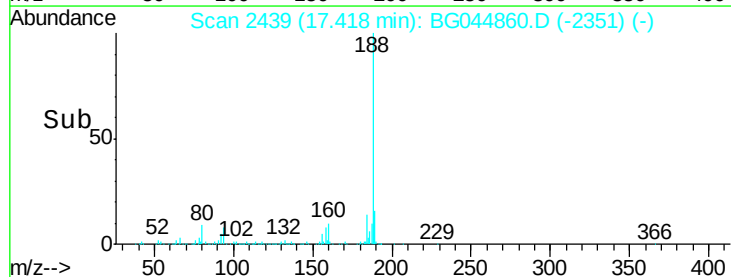
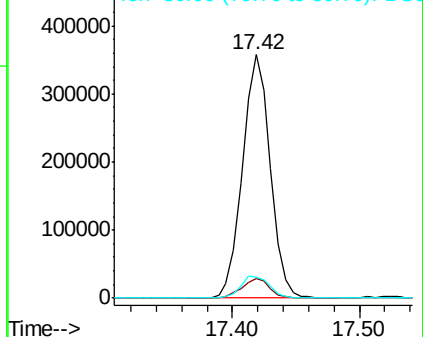


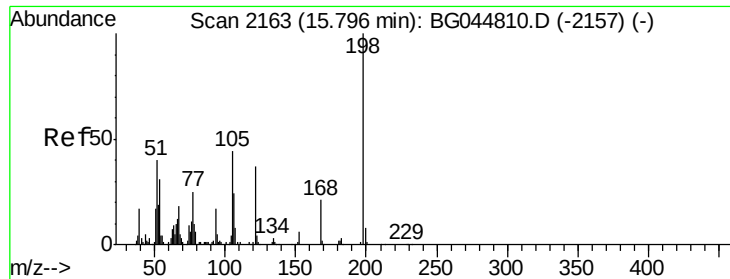
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.01 min
 Lab File: BG044860.D
 Acq: 18 Mar 2020 10:59

Tgt Ion:188 Resp: 539879
 Ion Ratio Lower Upper
 188 100
 94 8.1 7.3 10.9
 80 8.8 8.0 12.0



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





#65

4,6-Dinitro-2-methylphenol

Concen: 7.751 ng

RT: 15.62 min Scan# 2133

Delta R.T. -0.18 min

Lab File: BG044860.D

Acq: 18 Mar 2020 10:59

Instrument :

BNA_G

ClientSampleId :

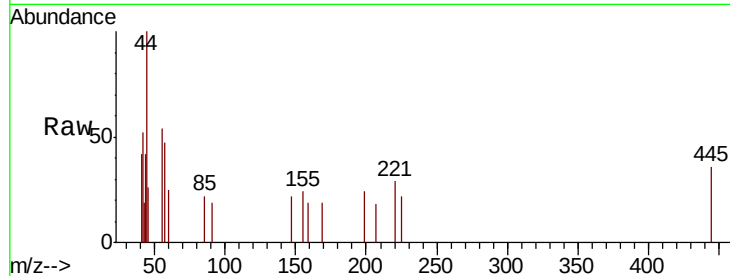
Tot Ion:198 Resp: 70

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

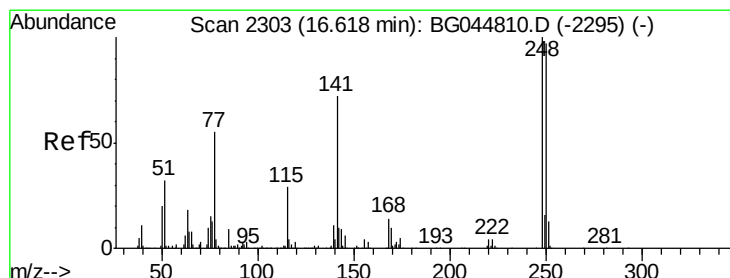
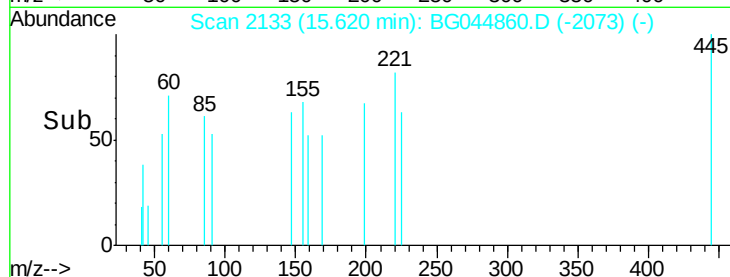
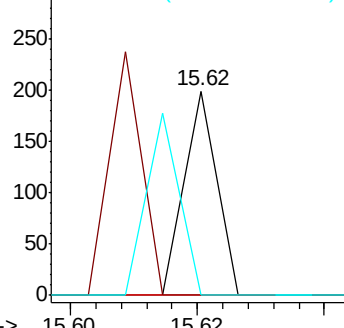
105 0.0 24.5 64.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.607 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.46 min

Lab File: BG044860.D

Acq: 18 Mar 2020 10:59

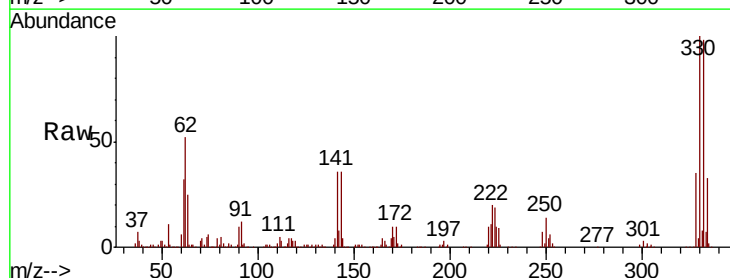
Tgt Ion:248 Resp: 31097

Ion Ratio Lower Upper

248 100

250 193.6 77.9 116.9#

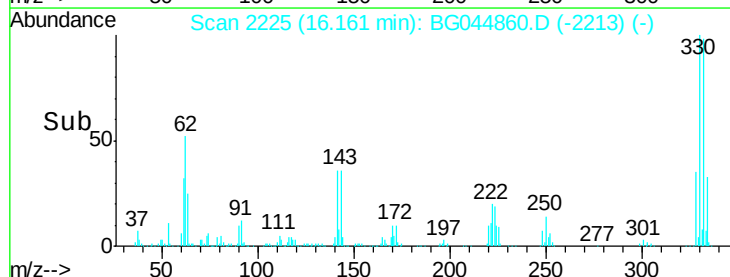
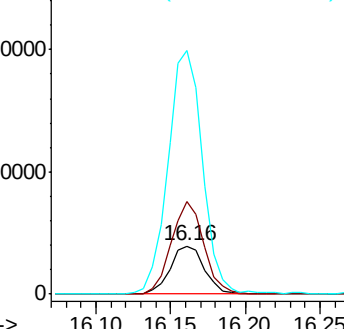
141 509.1 57.5 86.3#

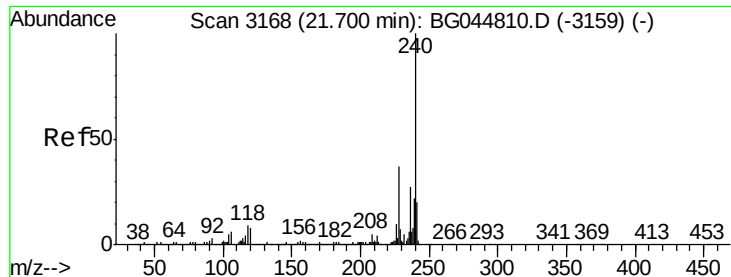


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG044860.D

Acq: 18 Mar 2020 10:59

Instrument :

BNA_G

ClientSampleId :

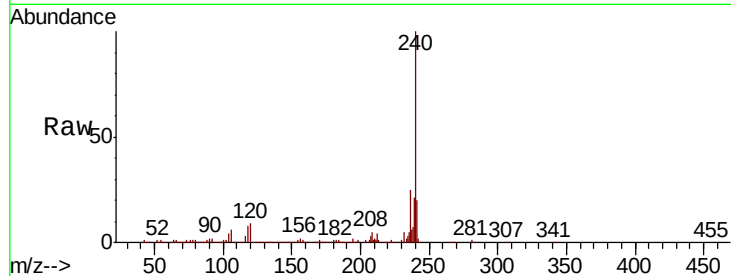
Tot Ion:240 Resp: 485592

Ion Ratio Lower Upper

240 100

120 9.0 6.7 10.1

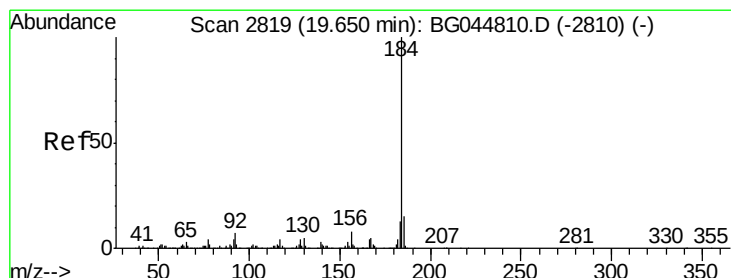
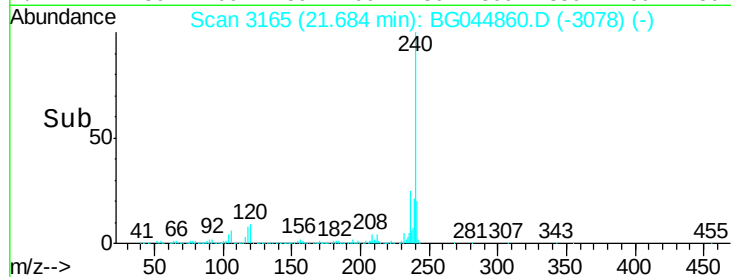
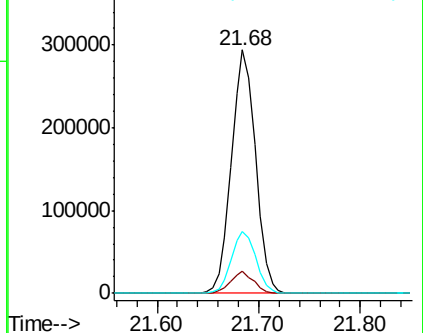
236 25.3 21.5 32.3



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: 2.765 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG044860.D

Acq: 18 Mar 2020 10:59

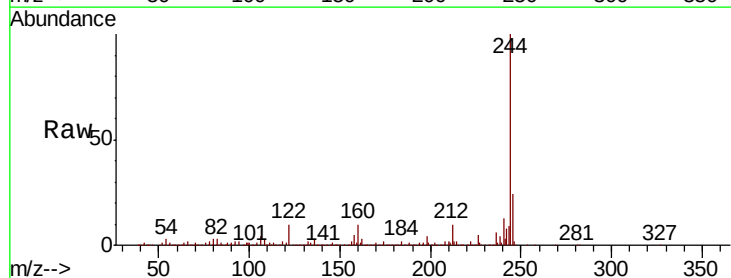
Tgt Ion:184 Resp: 43585

Ion Ratio Lower Upper

184 100

185 16.4 12.2 18.4

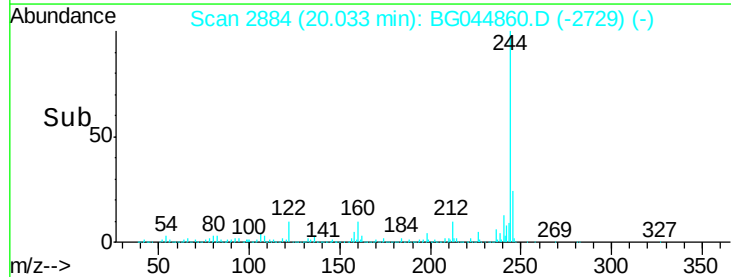
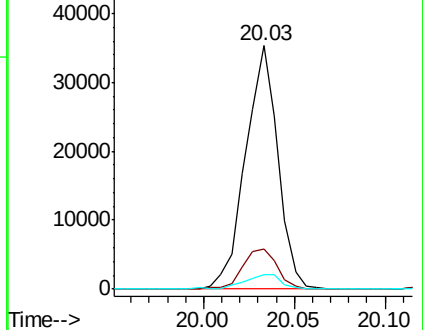
183 5.8 10.7 16.1#

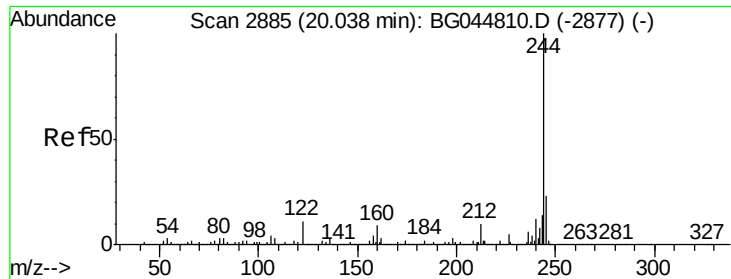


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 83.481 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044860.D

Acq: 18 Mar 2020 10:59

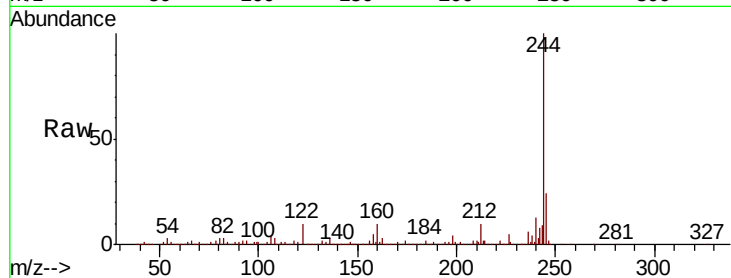
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2167157

Ion	Ratio	Lower	Upper
244	100		
212	9.8	7.7	11.5
122	9.7	8.6	12.8

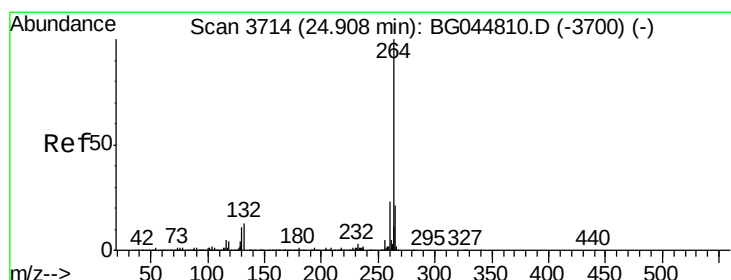
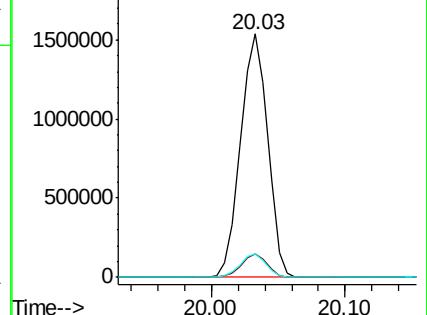
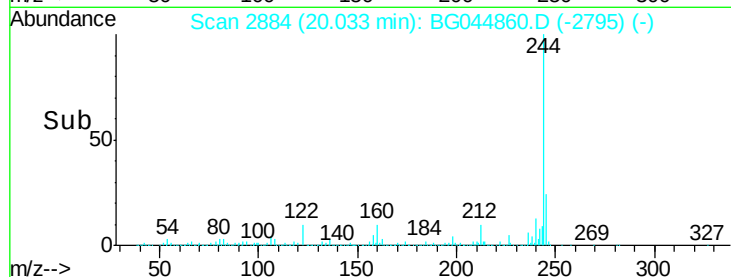


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 24.89 min Scan# 3710

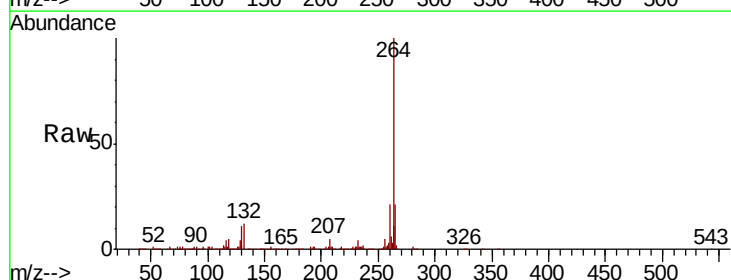
Delta R.T. -0.02 min

Lab File: BG044860.D

Acq: 18 Mar 2020 10:59

Tgt Ion:264 Resp: 552697

Ion	Ratio	Lower	Upper
264	100		
260	21.3	18.1	27.1
265	21.4	17.1	25.7



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

