

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
 Data File : BG044760.D
 Acq On : 13 Mar 2020 8:04
 Operator : CG/JU
 Sample : L1893-08
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 08:49:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 16:27:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	102116	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	417467	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	279477	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	621342	20.00	ng	0.00
76) Chrysene-d12	21.70	240	558621	20.00	ng	-0.01
87) Perylene-d12	24.92	264	622900	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	749583	114.27	ng	0.00
7) Phenol-d6	7.21	99	972668	102.05	ng	0.00
23) Nitrobenzene-d5	9.21	82	795870	83.66	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	455143	124.38	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1643701	84.22	ng	0.00
79) Terphenyl-d14	20.04	244	2473419	82.82	ng	0.00

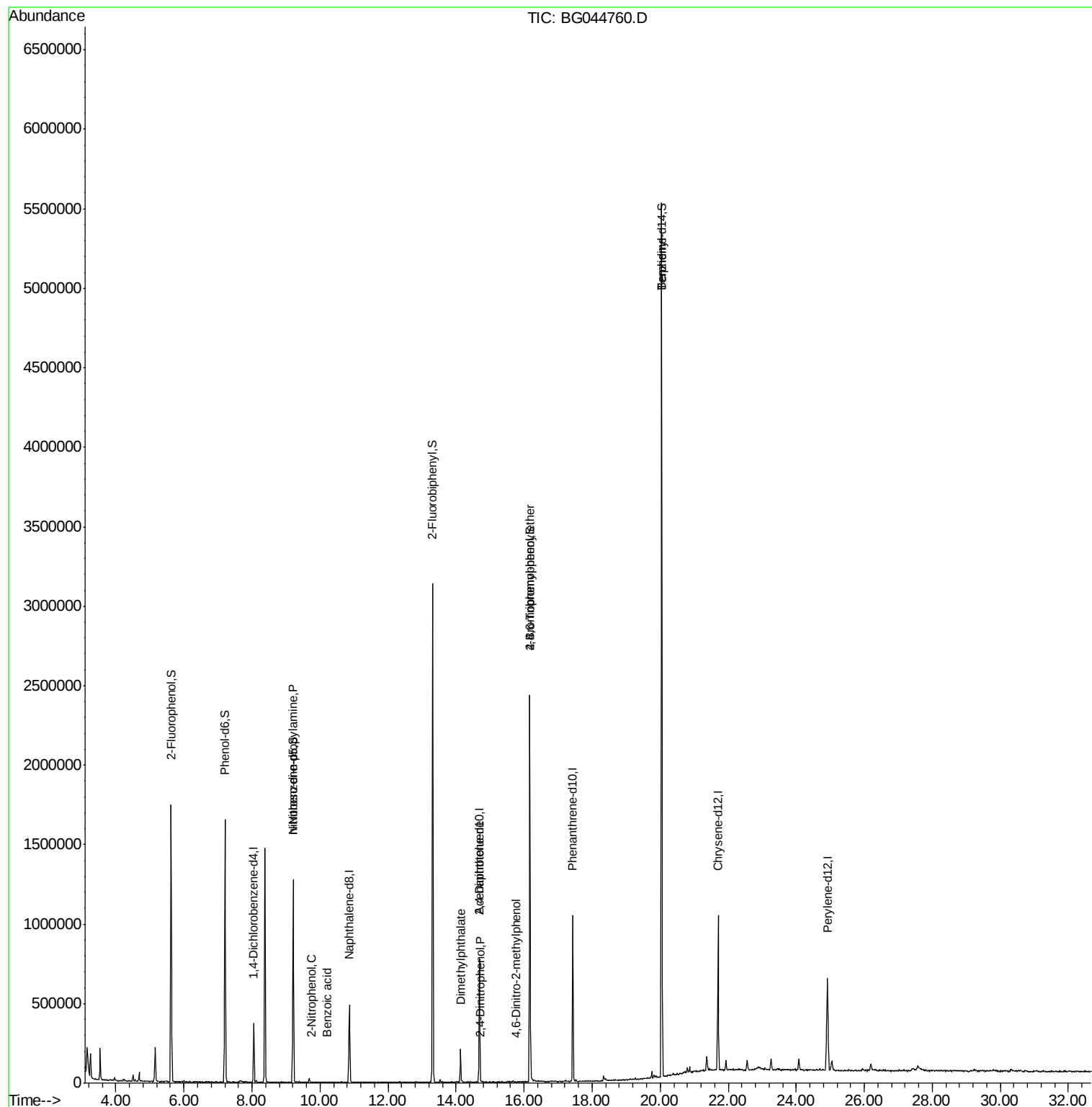
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.21	77	1896	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.21	70	107319	15.947	ng	# 74
26) 2-Nitrophenol	9.75	139	113	5.544	ng	# 28
32) Benzoic acid	10.21	122	96	9.686	ng	# 13
50) Dimethylphthalate	14.13	163	131362	5.902	ng	# 98
54) 2,4-Dinitrophenol	14.73	184	61	8.346	ng	# 2
57) 2,4-Dinitrotoluene	14.69	165	37996	6.175	ng	# 18
65) 4,6-Dinitro-2-methylphenol	15.76	198	72	7.749	ng	# 35
67) 4-Bromophenyl-phenylether	16.17	248	31961	4.115	ng	# 1
77) Benzidine	20.04	184	53500	2.950	ng	# 92

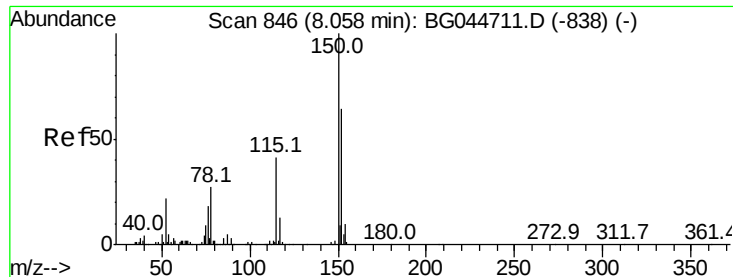
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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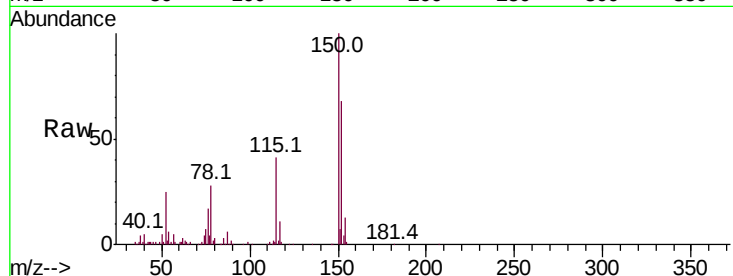


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: BG044760.D
 Acq: 13 Mar 2020 8:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.4	125.3	187.9
115	60.6	51.7	77.5

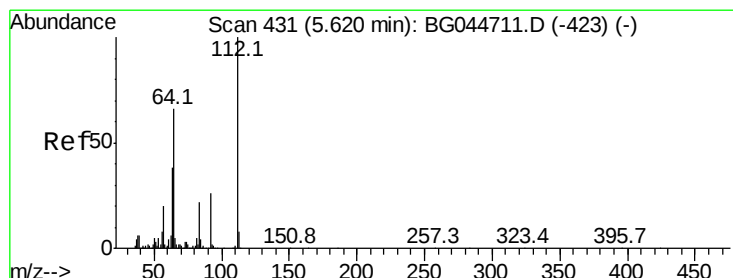
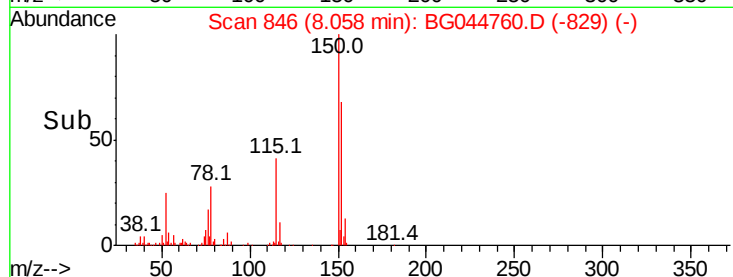
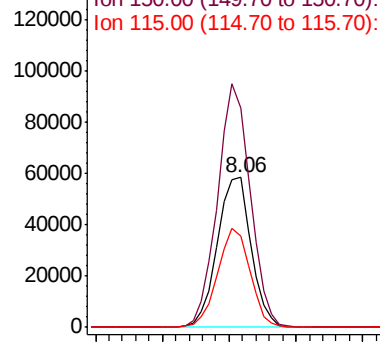


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

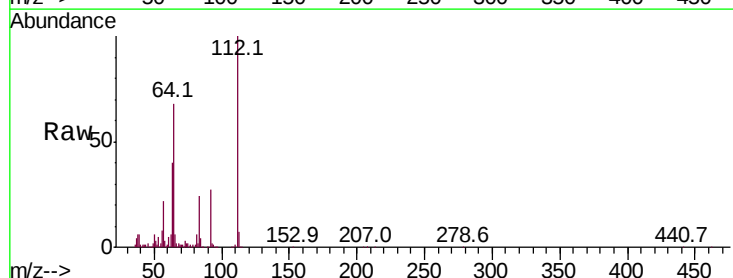
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 114.269 ng
 RT: 5.63 min Scan# 432
 Delta R.T. 0.01 min
 Lab File: BG044760.D
 Acq: 13 Mar 2020 8:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.1	52.6	78.8
63	39.9	30.2	45.4

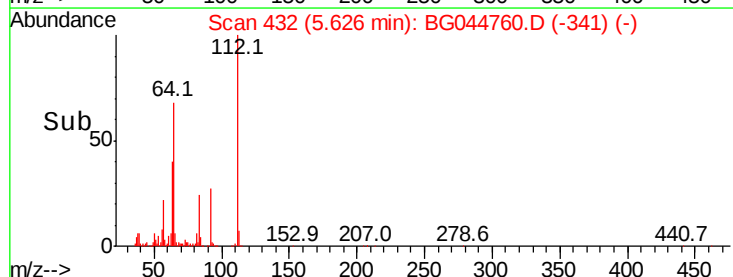
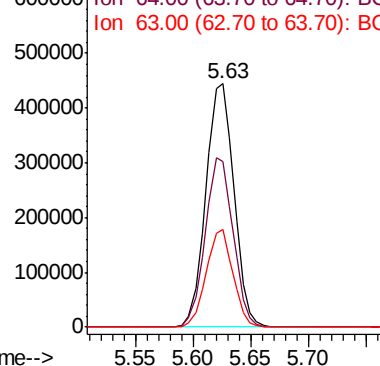


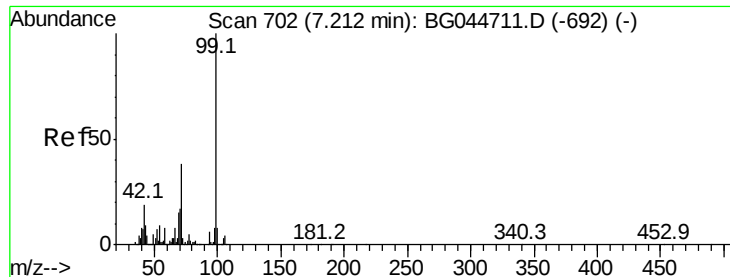
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 102.054 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044760.D

Acq: 13 Mar 2020 8:04

Instrument :

BNA_G

ClientSampleId :

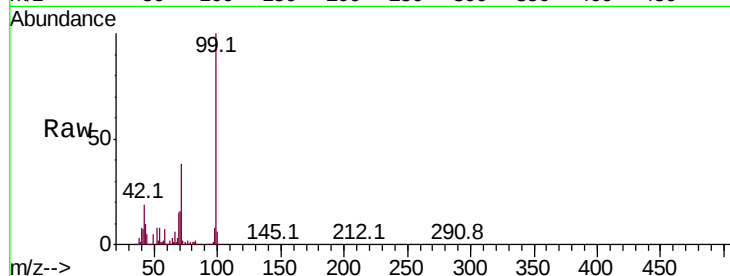
Tot Ion: 99 Resp: 972668

Ion Ratio Lower Upper

99 100

42 19.1 15.4 23.0

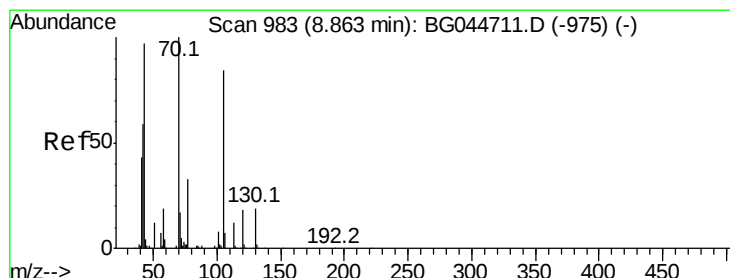
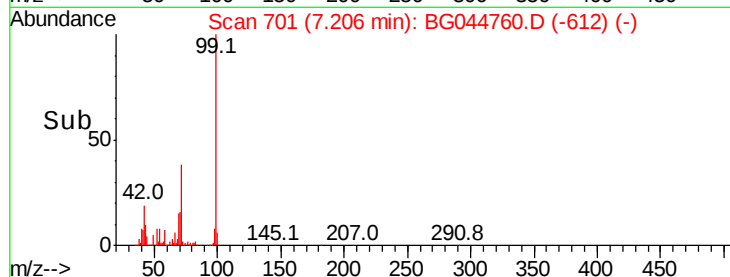
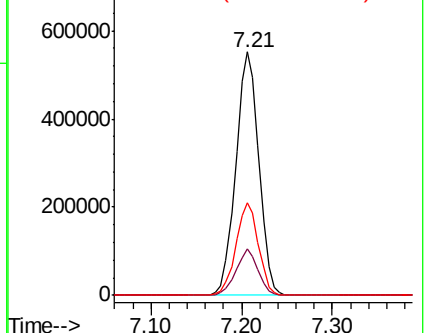
71 37.9 30.2 45.4



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: 15.947 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG044760.D

Acq: 13 Mar 2020 8:04

Tgt Ion: 70 Resp: 107319

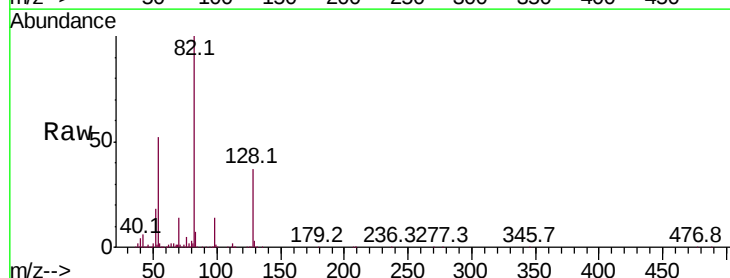
Ion Ratio Lower Upper

70 100

42 42.9 47.6 71.4#

101 0.0 6.5 9.7#

130 1.7 15.0 22.4#

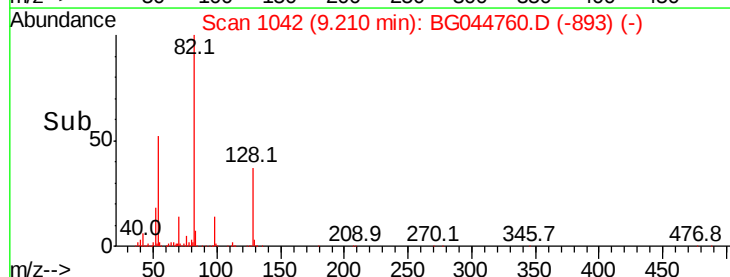
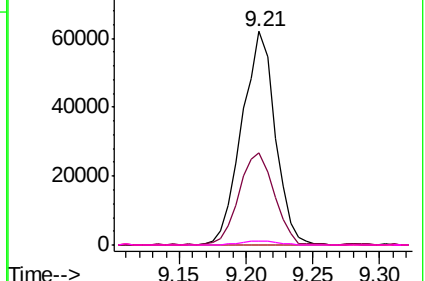


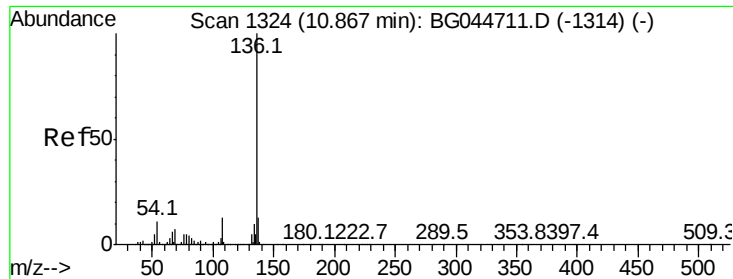
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

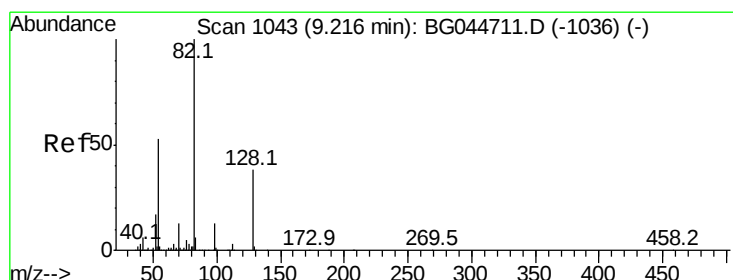
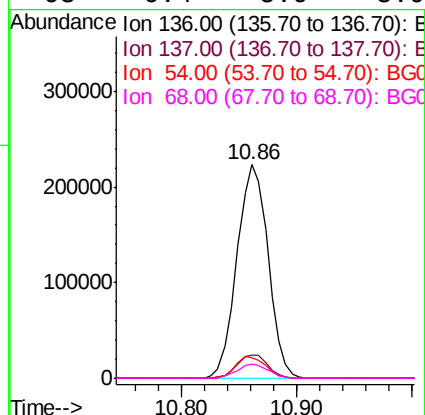
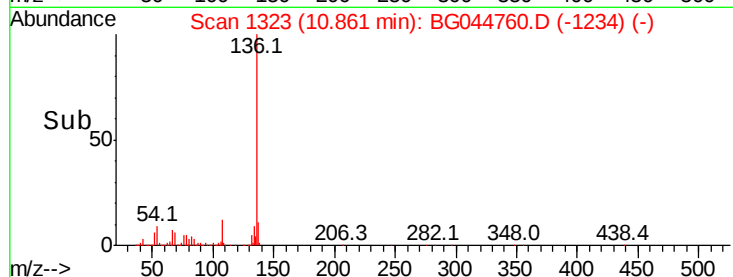
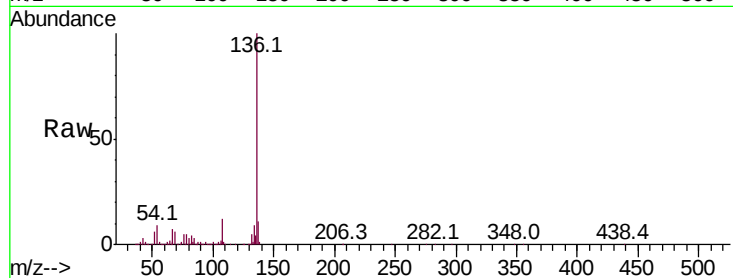




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG044760.D
Acq: 13 Mar 2020 8:04

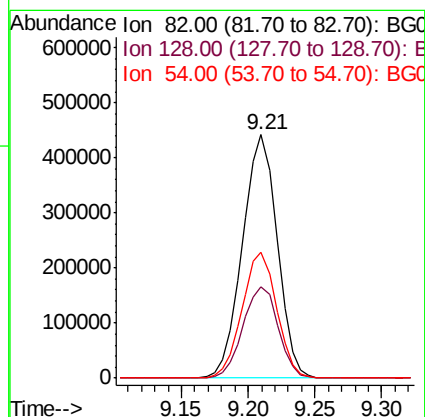
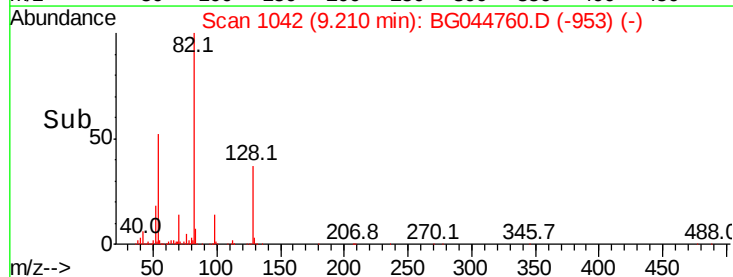
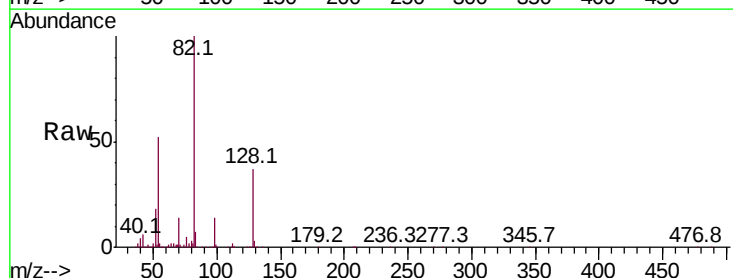
Instrument :
BNA_G
ClientSampleId :

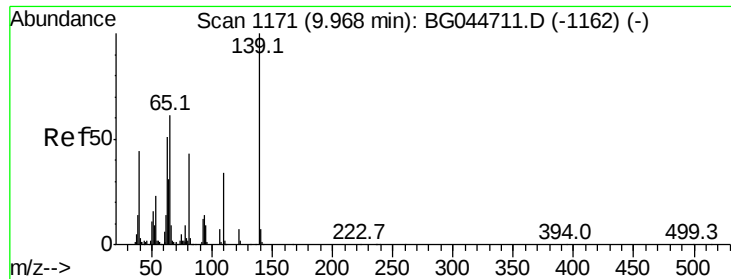
Tot Ion:136	Resp:	417467	
Ion Ratio	Lower	Upper	
136 100			
137 11.1	10.7	16.1	
54 9.5	9.0	13.4	
68 6.4	5.9	8.9	



#23
Nitrobenzene-d5
Concen: 83.657 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG044760.D
Acq: 13 Mar 2020 8:04

Tgt Ion: 82	Resp: 795870
Ion Ratio	Lower Upper
82 100	
128 37.3	30.2 45.2
54 51.8	41.8 62.8

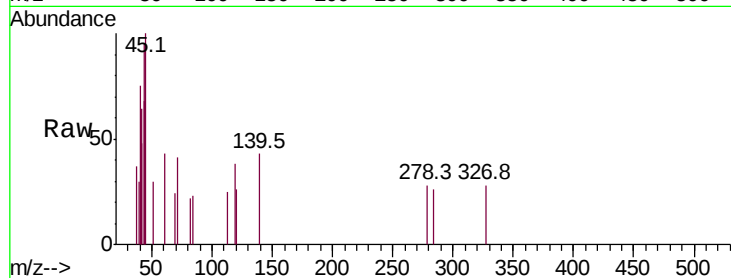




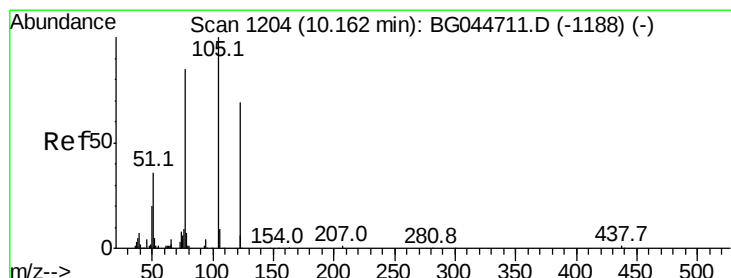
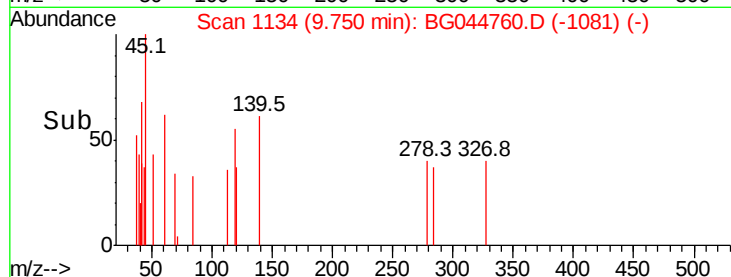
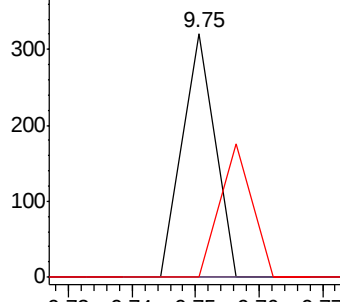
#26
2-Nitrophenol
Concen: 5.544 ng
RT: 9.75 min Scan# 1134
Delta R.T. -0.22 min
Lab File: BG044760.D
Acq: 13 Mar 2020 8:04

Instrument :
BNA_G
ClientSampled :

Tot Ion:139 Resp: 113
Ion Ratio Lower Upper
139 100
109 0.0 27.0 40.4#
65 0.0 48.6 73.0#

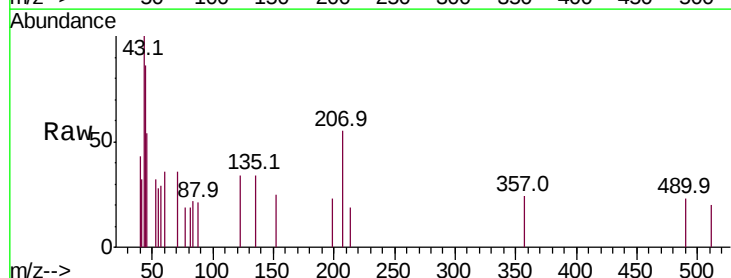


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

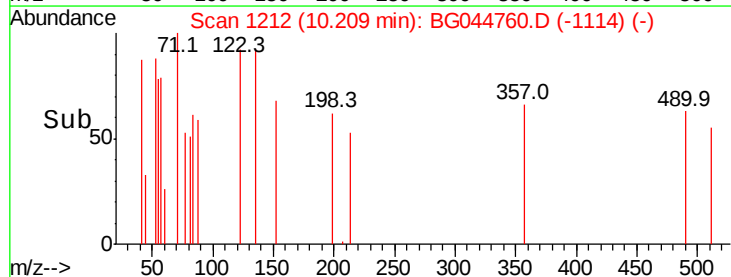
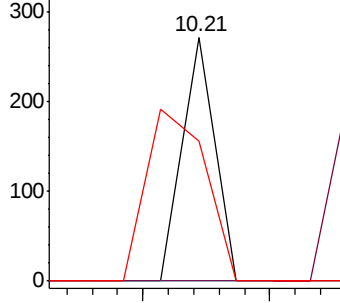


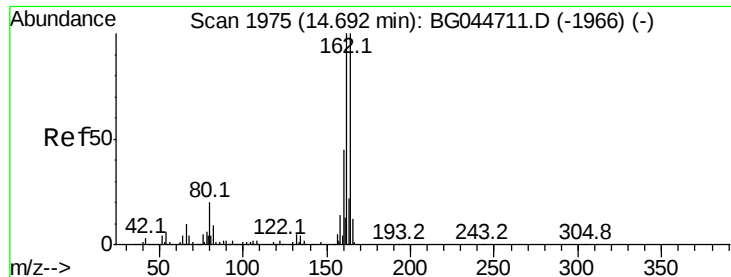
#32
Benzoic acid
Concen: 9.686 ng
RT: 10.21 min Scan# 1212
Delta R.T. 0.05 min
Lab File: BG044760.D
Acq: 13 Mar 2020 8:04

Tgt Ion:122 Resp: 96
Ion Ratio Lower Upper
122 100
105 0.0 119.0 159.0#
77 57.6 96.4 136.4#



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: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG044760.D

Acq: 13 Mar 2020 8:04

Instrument :

BNA_G

ClientSampleId :

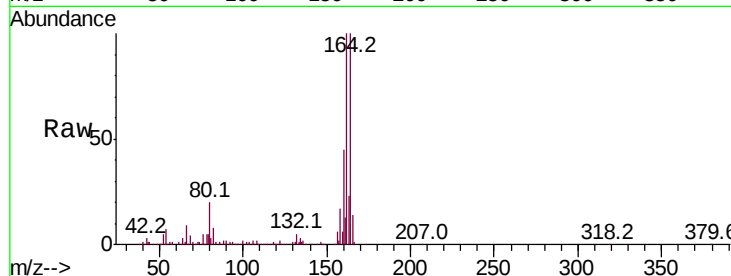
Tot Ion:164 Resp: 279477

Ion Ratio Lower Upper

164 100

162 100.4 80.2 120.4

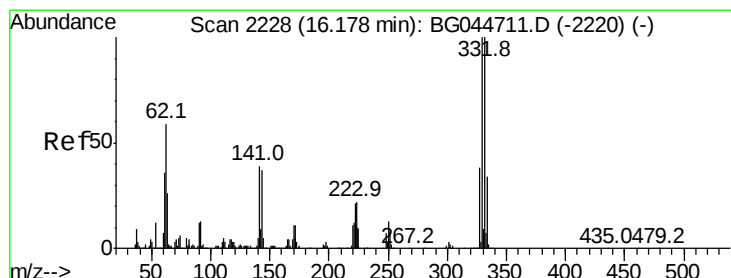
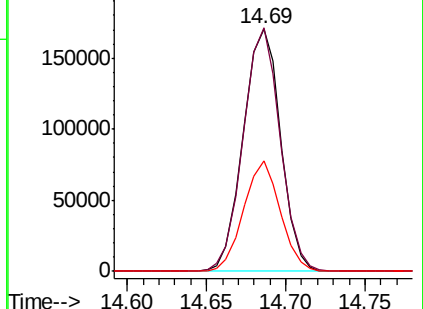
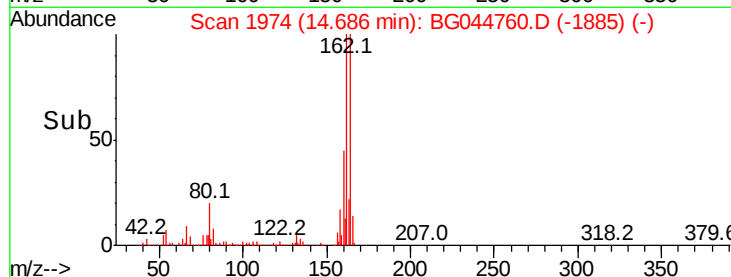
160 45.5 36.2 54.2



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: 124.379 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG044760.D

Acq: 13 Mar 2020 8:04

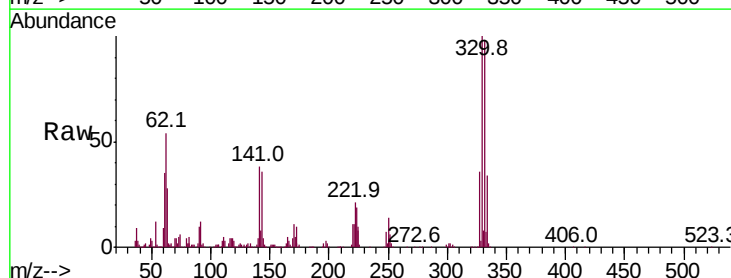
Tgt Ion:330 Resp: 455143

Ion Ratio Lower Upper

330 100

332 95.3 77.5 116.3

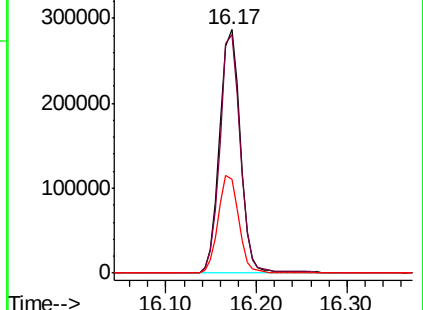
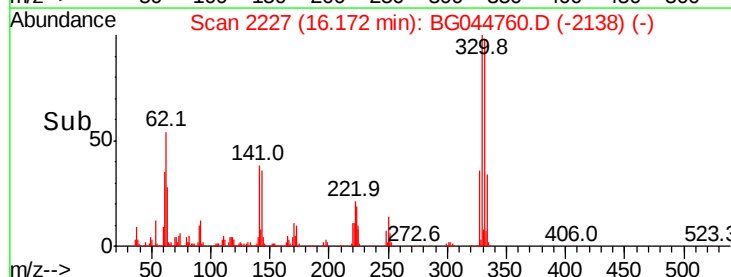
141 39.6 31.7 47.5

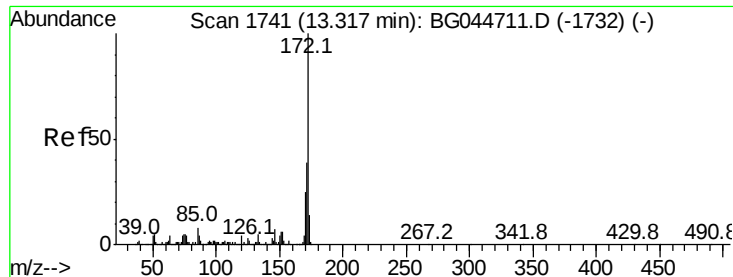


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

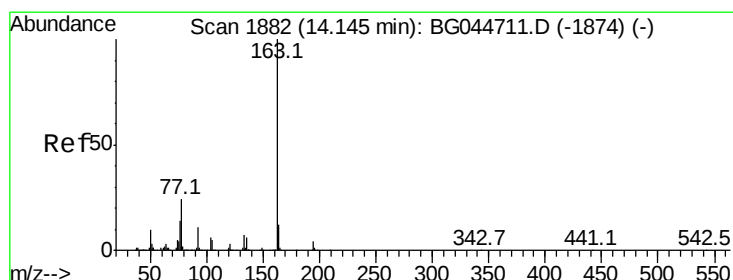
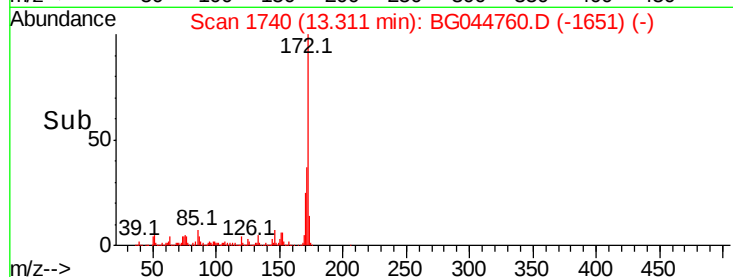
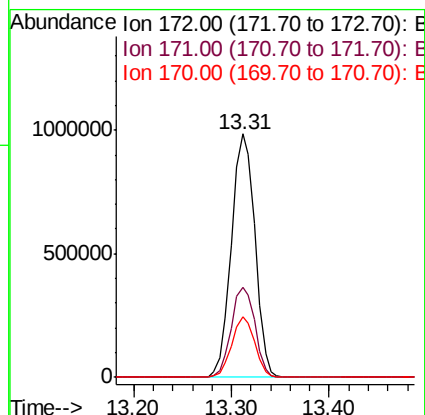
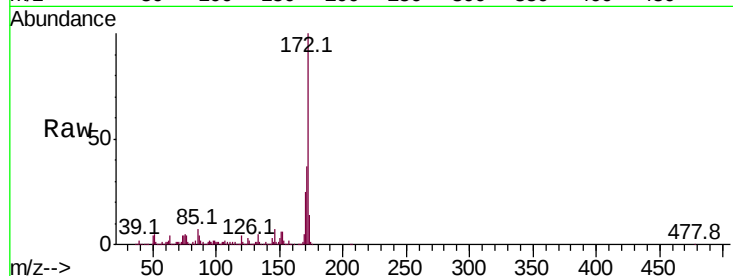




#45
2-Fluorobiphenyl
Concen: 84.223 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BG044760.D
Acq: 13 Mar 2020 8:04

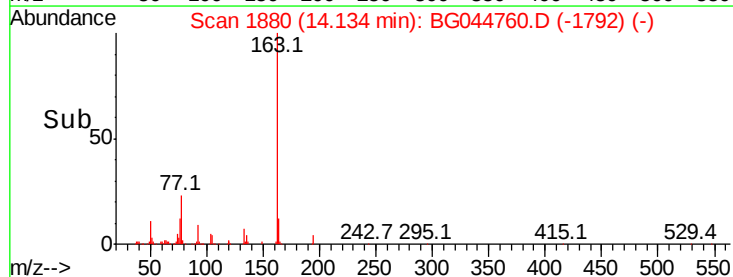
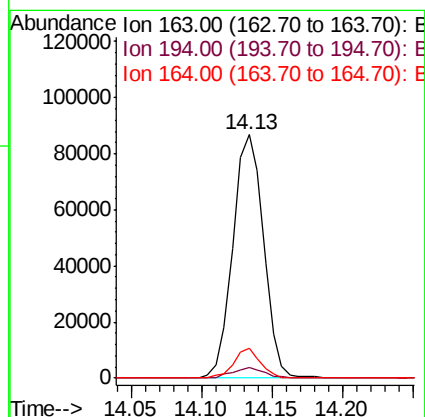
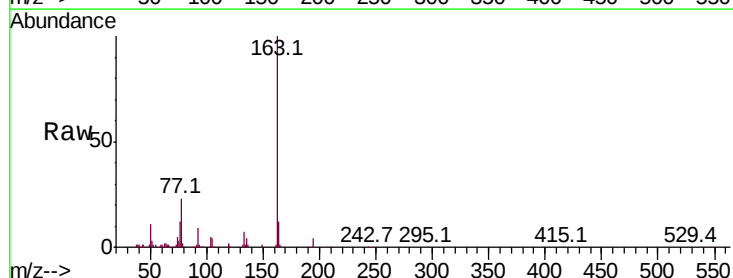
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BNA_G
ClientSampleId :

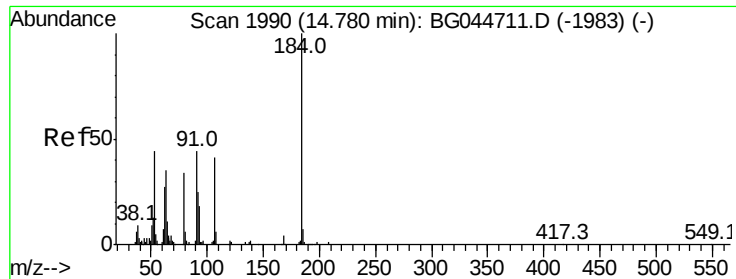
Tot Ion:172 Resp: 1643701
Ion Ratio Lower Upper
172 100
171 36.8 30.8 46.2
170 25.0 20.0 30.0



#50
Dimethylphthalate
Concen: 5.902 ng
RT: 14.13 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BG044760.D
Acq: 13 Mar 2020 8:04

Tgt Ion:163 Resp: 131362
Ion Ratio Lower Upper
163 100
194 4.5 3.5 5.3
164 12.4 9.2 13.8

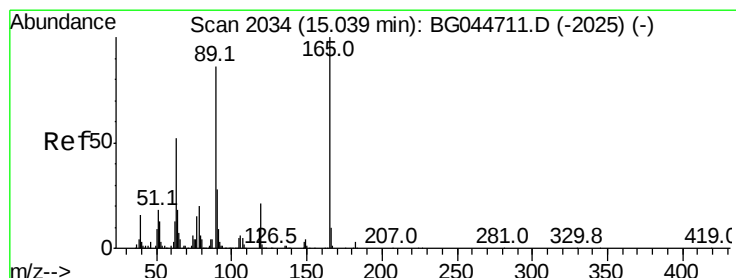
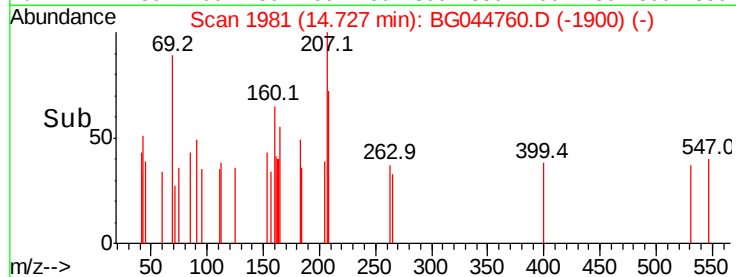
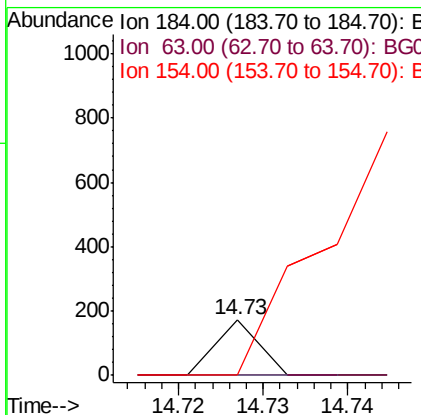
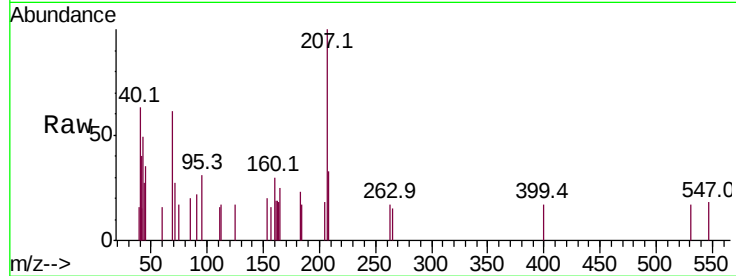




#54
2,4-Dinitrophenol
Concen: 8.346 ng
RT: 14.73 min Scan# 1981
Delta R.T. -0.05 min
Lab File: BG044760.D
Acq: 13 Mar 2020 8:04

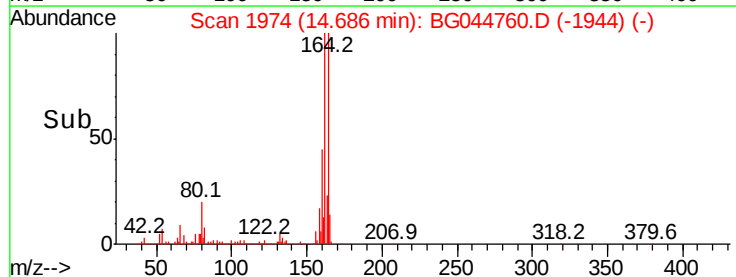
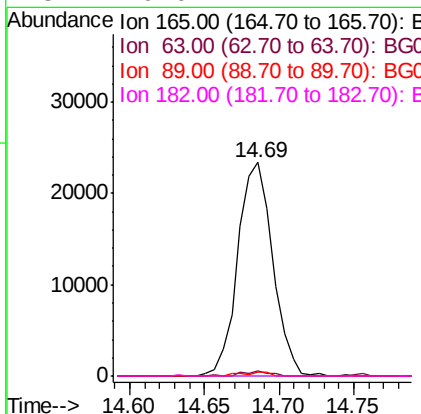
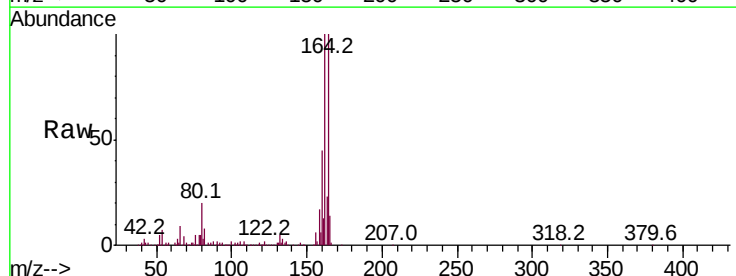
Instrument :
BNA_G
ClientSampleId :

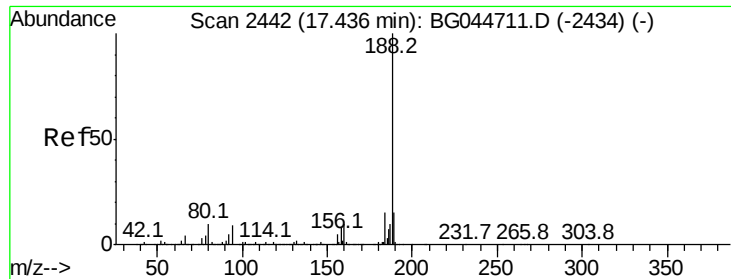
Tot Ion:184 Resp: 61
Ion Ratio Lower Upper
184 100
63 0.0 49.0 73.6#
154 0.0 94.5 141.7#



#57
2,4-Dinitrotoluene
Concen: 6.175 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.35 min
Lab File: BG044760.D
Acq: 13 Mar 2020 8:04

Tgt Ion:165 Resp: 37996
Ion Ratio Lower Upper
165 100
63 2.4 41.5 62.3#
89 1.9 69.0 103.4#
182 0.0 2.7 4.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG044760.D

Acq: 13 Mar 2020 8:04

Instrument :

BNA_G

ClientSampleId :

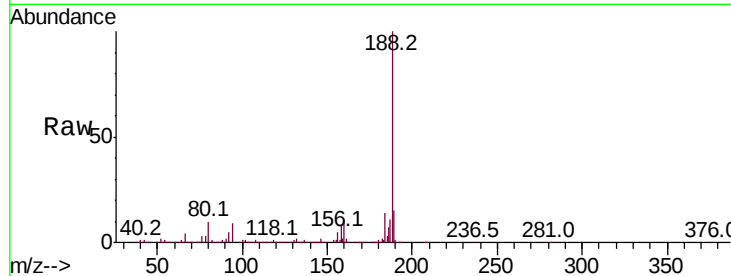
Tot Ion:188 Resp: 621342

Ion Ratio Lower Upper

188 100

94 8.8 7.0 10.6

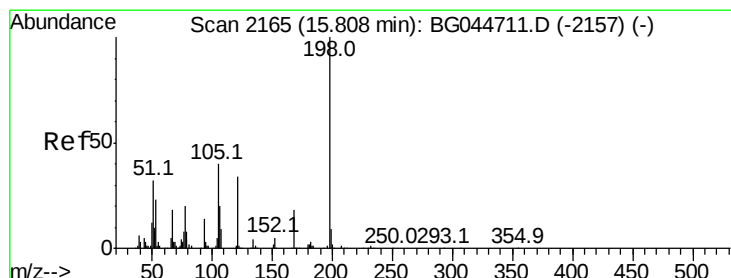
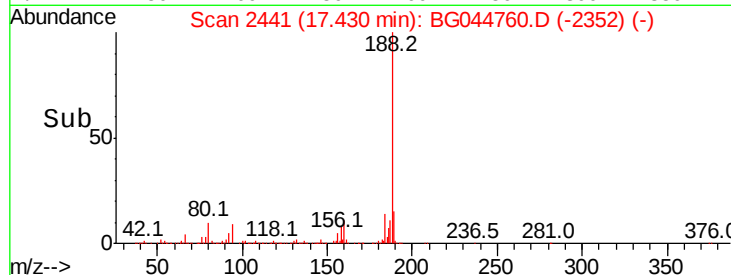
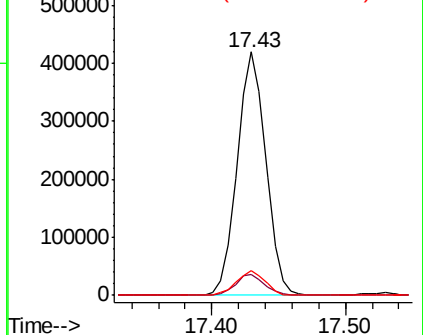
80 10.2 8.4 12.6



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: 7.749 ng

RT: 15.76 min Scan# 2157

Delta R.T. -0.05 min

Lab File: BG044760.D

Acq: 13 Mar 2020 8:04

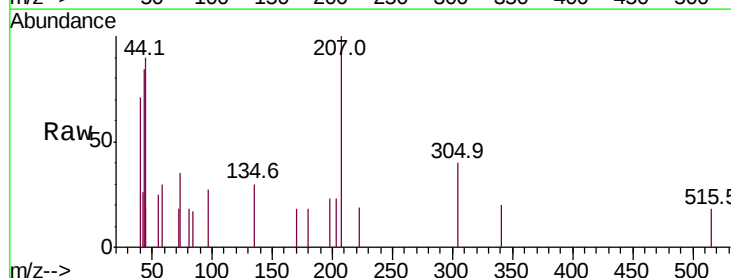
Tgt Ion:198 Resp: 72

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

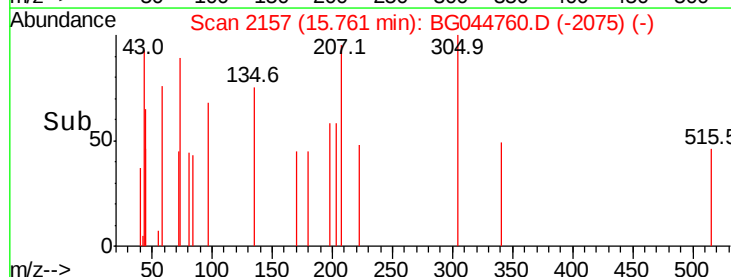
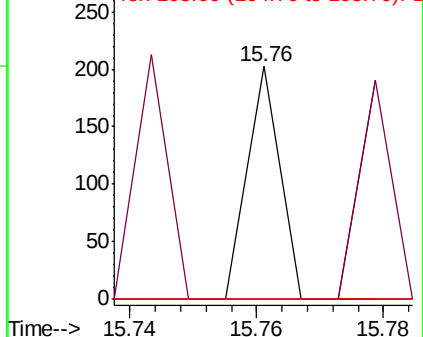
105 0.0 21.3 61.3#

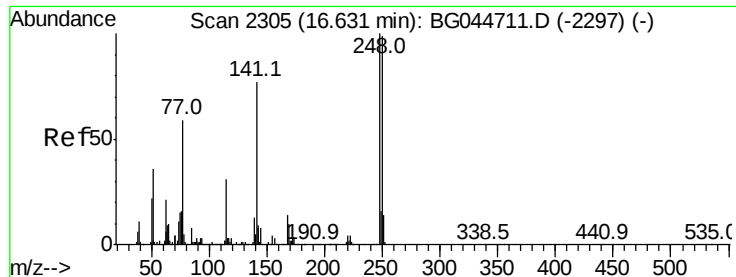


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.115 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.46 min

Lab File: BG044760.D

Acq: 13 Mar 2020 8:04

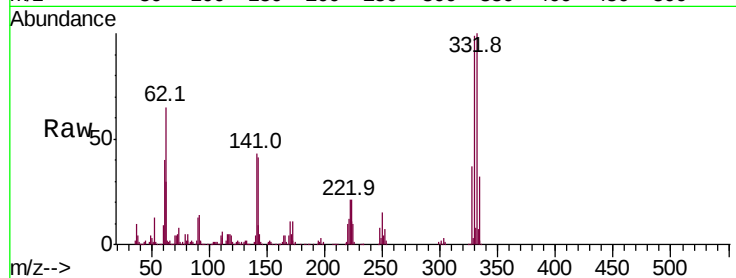
Instrument :

BNA_G

ClientSampleId :

Tot Ion:248 Resp: 31961

Ion	Ratio	Lower	Upper
248	100		
250	180.1	79.4	119.0#
141	527.6	61.7	92.5#

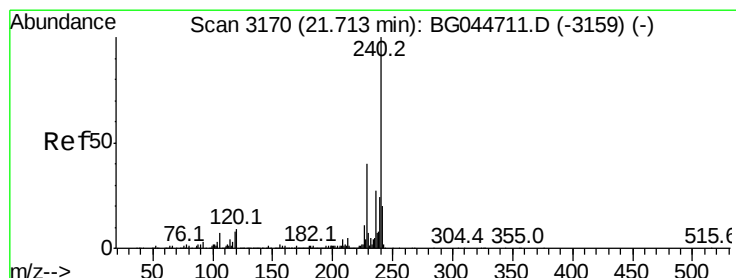
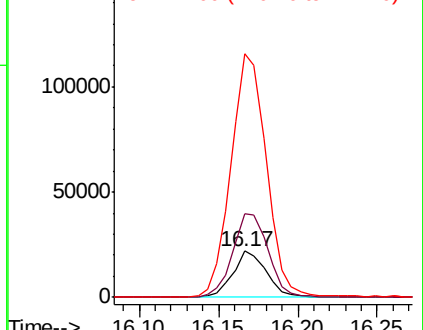
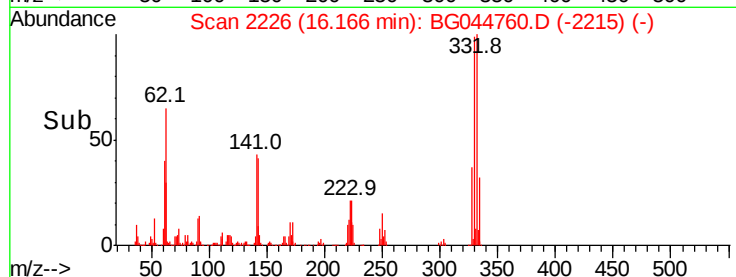


Abundance

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: 21.70 min Scan# 3168

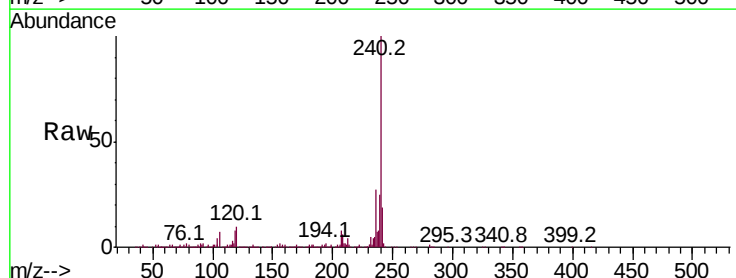
Delta R.T. -0.01 min

Lab File: BG044760.D

Acq: 13 Mar 2020 8:04

Tgt Ion:240 Resp: 558621

Ion	Ratio	Lower	Upper
240	100		
120	9.7	6.9	10.3
236	27.5	21.9	32.9

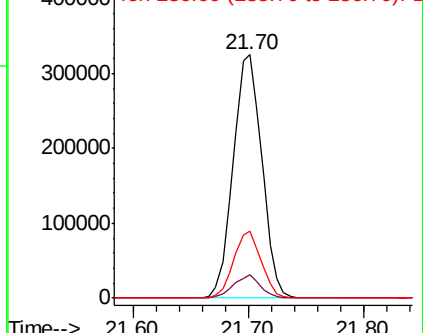
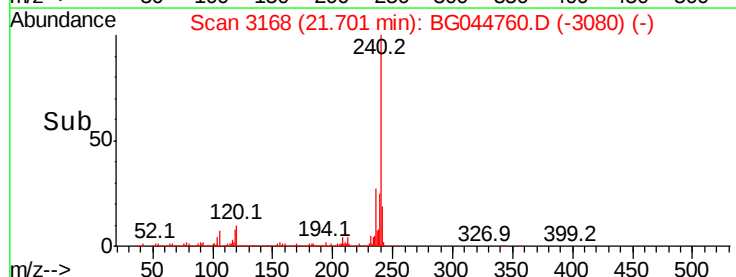


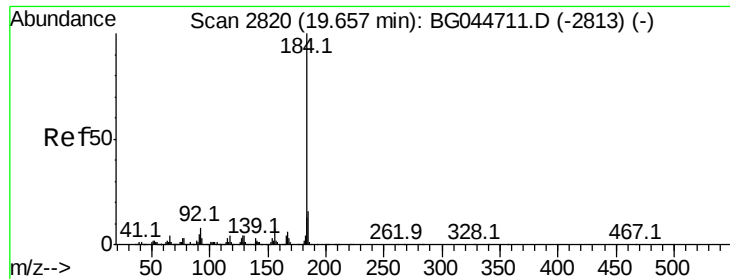
Abundance

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: 2.950 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.39 min

Lab File: BG044760.D

Acq: 13 Mar 2020 8:04

Instrument :

BNA_G

ClientSampled :

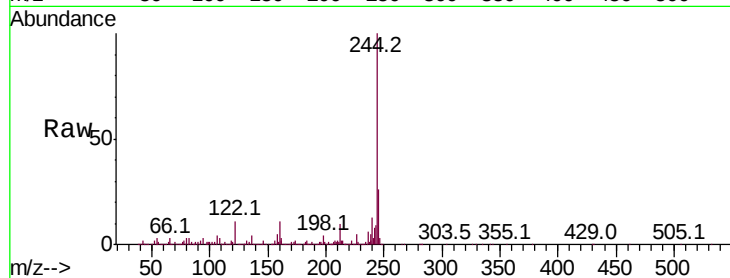
Tot Ion:184 Resp: 53500

Ion Ratio Lower Upper

184 100

185 16.6 12.9 19.3

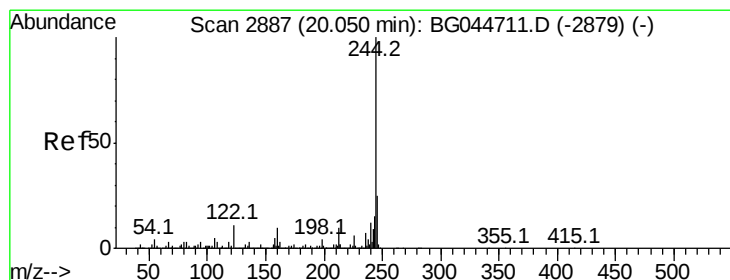
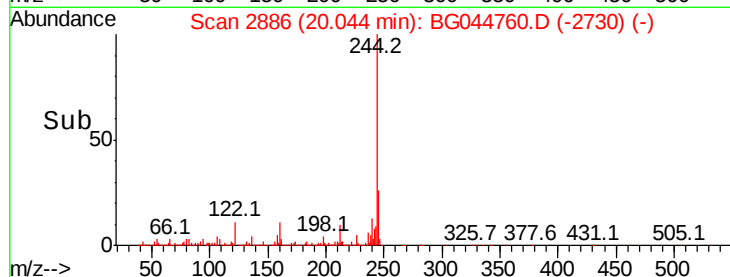
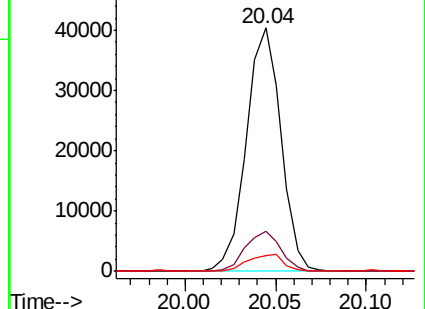
183 6.7 10.6 15.8#



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: 82.823 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044760.D

Acq: 13 Mar 2020 8:04

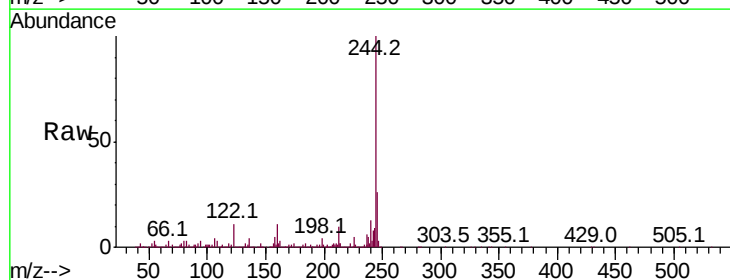
Tgt Ion:244 Resp: 2473419

Ion Ratio Lower Upper

244 100

212 10.2 8.4 12.6

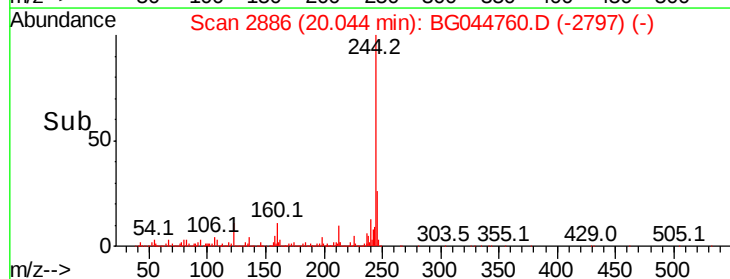
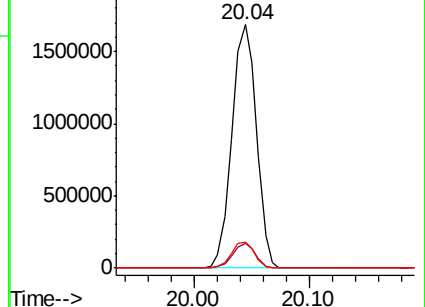
122 10.9 8.7 13.1

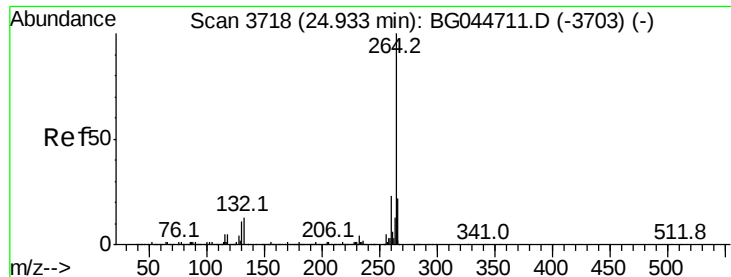


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

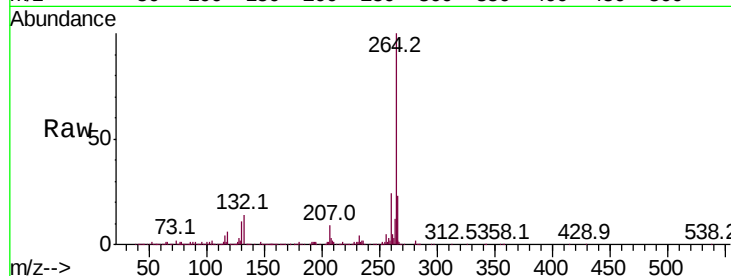




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3715
Delta R.T. -0.02 min
Lab File: BG044760.D
Acq: 13 Mar 2020 8:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.4	27.6
265	22.7	17.4	26.2



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

