

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
 Data File : BG044756.D
 Acq On : 13 Mar 2020 5:25
 Operator : CG/JU
 Sample : L1853-12
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 06:11:22 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	8.05	152	102155	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	413801	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	284211	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	628252	20.00	ng	0.00
76) Chrysene-d12	21.70	240	576052	20.00	ng	-0.01
87) Perylene-d12	24.91	264	645435	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	763268	116.31	ng	0.00
7) Phenol-d6	7.21	99	992932	104.14	ng	0.00
23) Nitrobenzene-d5	9.21	82	820394	87.00	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	482178	129.57	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1693834	85.35	ng	0.00
79) Terphenyl-d14	20.04	244	2609129	84.72	ng	0.00

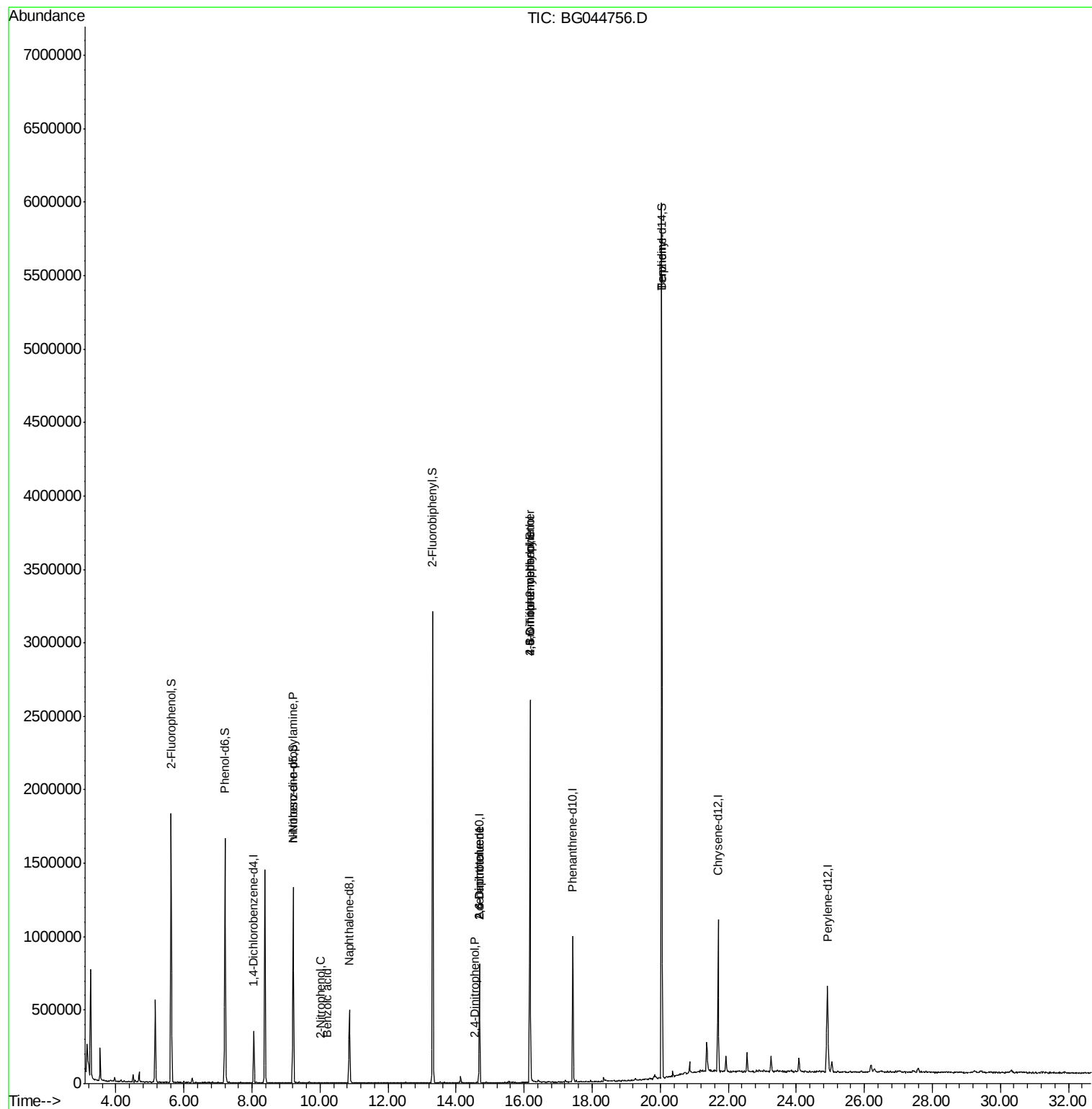
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	1726	Below Cal		# 13
19) n-Nitroso-di-n-propylamine	9.21	70	112597	16.725	ng	# 81
26) 2-Nitrophenol	10.01	139	66	5.532	ng	# 28
32) Benzoic acid	10.20	122	71	9.682	ng	# 24
51) 2,6-Dinitrotoluene	14.69	165	37580	8.236	ng	# 19
54) 2,4-Dinitrophenol	14.54	184	103	8.361	ng	# 2
57) 2,4-Dinitrotoluene	14.69	165	37580	6.005	ng	# 16
65) 4,6-Dinitro-2-methylphenol	16.17	198	2097	8.323	ng	# 13
67) 4-Bromophenyl-phenylether	16.17	248	34120	4.344	ng	# 1
77) Benzidine	20.04	184	58036	3.103	ng	# 91

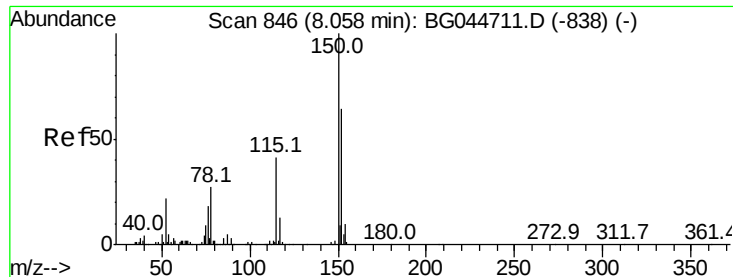
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
Data File : BG044756.D
Acq On : 13 Mar 2020 5:25
Operator : CG/JU
Sample : L1853-12
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Mar 13 06:11:22 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



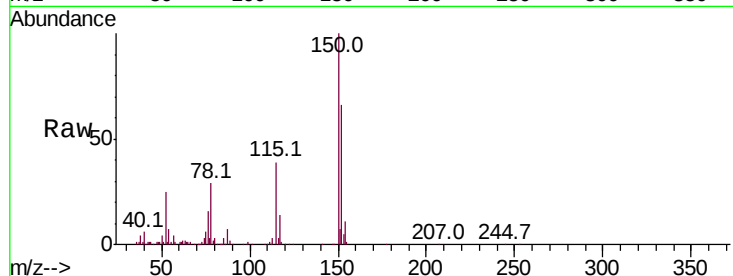


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BG044756.D
 Acq: 13 Mar 2020 5:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.2	125.3	187.9
115	58.8	51.7	77.5

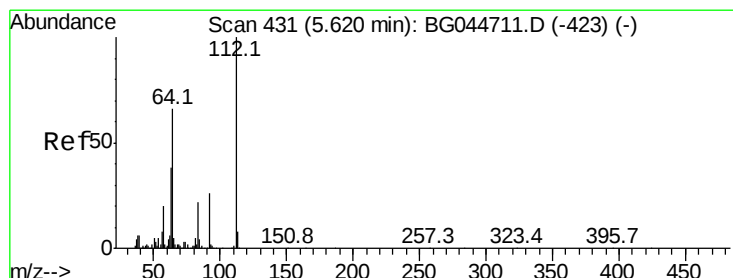
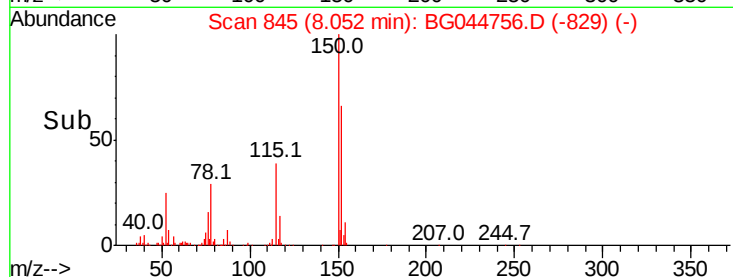
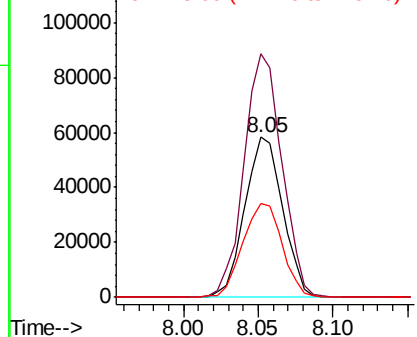


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

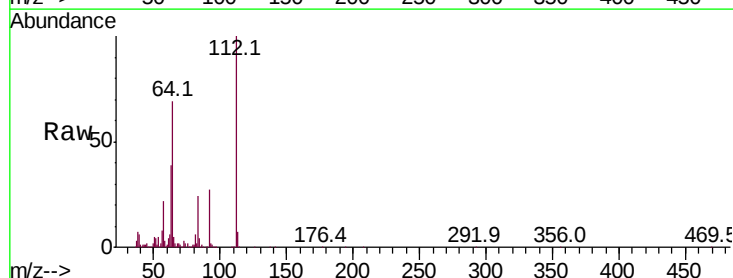
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 116.311 ng
 RT: 5.63 min Scan# 432
 Delta R.T. 0.01 min
 Lab File: BG044756.D
 Acq: 13 Mar 2020 5:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.0	52.6	78.8
63	38.9	30.2	45.4

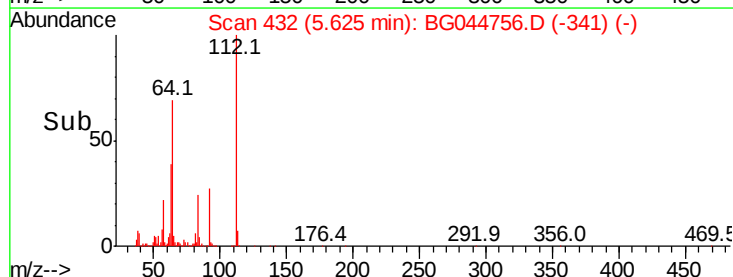
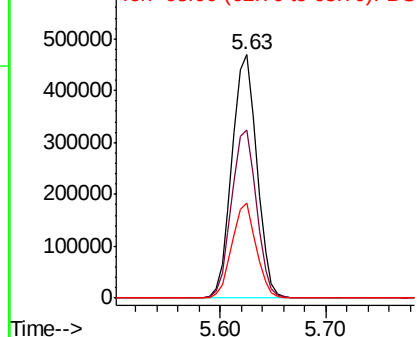


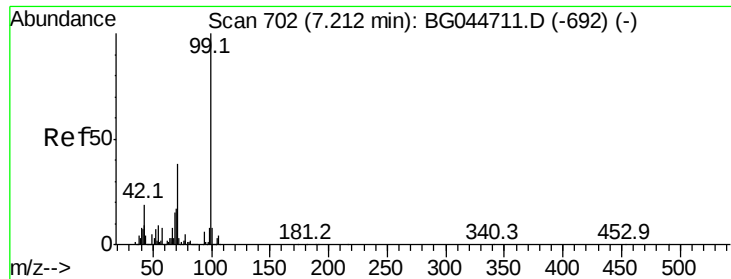
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 104.140 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044756.D

Acq: 13 Mar 2020 5:25

Instrument :

BNA_G

ClientSampleId :

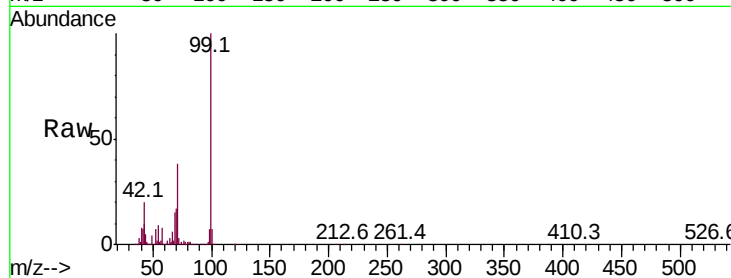
Tot Ion: 99 Resp: 992932

Ion Ratio Lower Upper

99 100

42 19.6 15.4 23.0

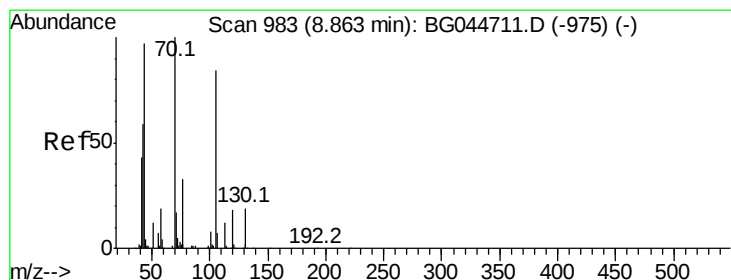
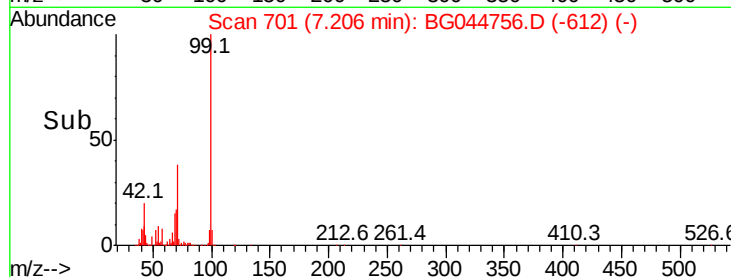
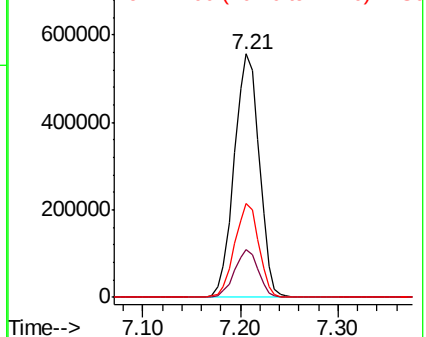
71 38.5 30.2 45.4



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: 16.725 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG044756.D

Acq: 13 Mar 2020 5:25

Tgt Ion: 70 Resp: 112597

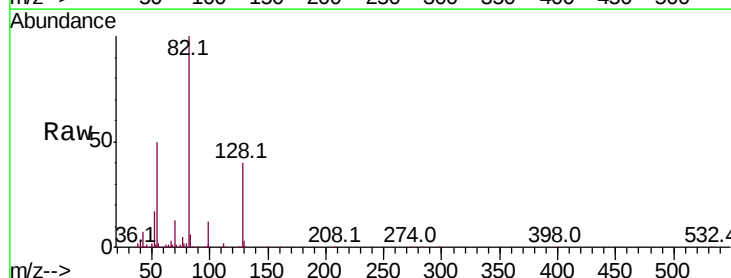
Ion Ratio Lower Upper

70 100

42 50.4 47.6 71.4

101 0.0 6.5 9.7#

130 2.0 15.0 22.4#

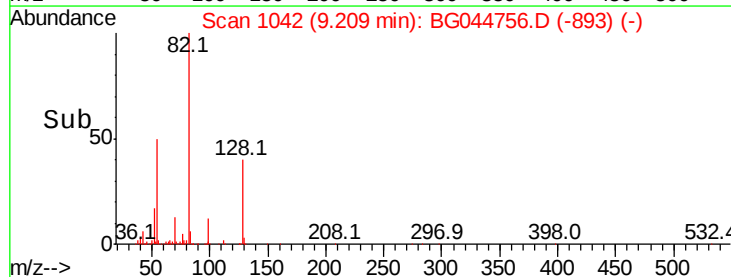
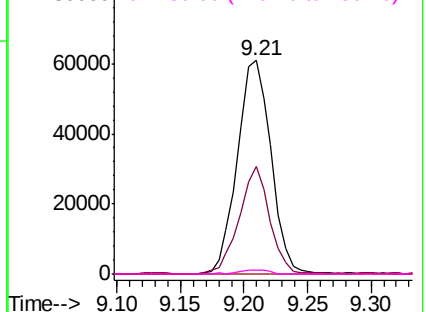


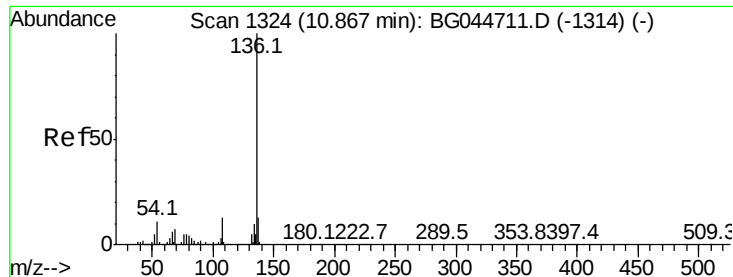
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

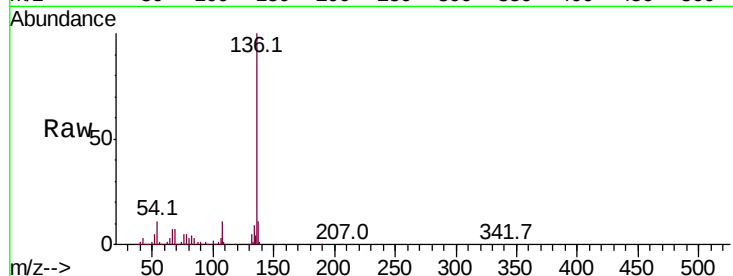




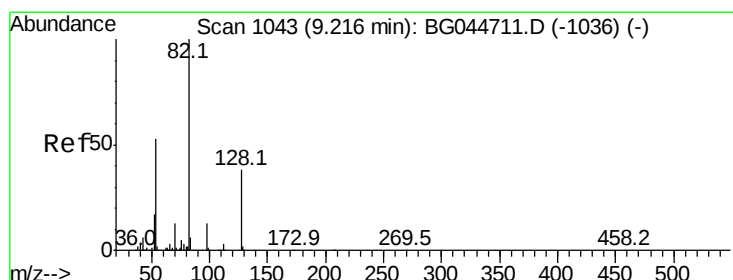
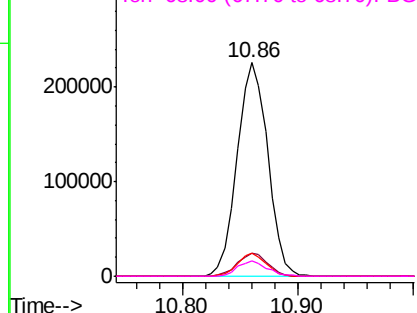
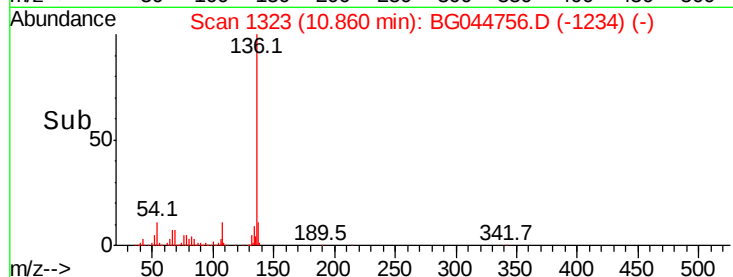
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG044756.D
Acq: 13 Mar 2020 5:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	413801
Ion	Ratio	Lower	Upper
136	100		
137	11.0	10.7	16.1
54	10.5	9.0	13.4
68	7.3	5.9	8.9

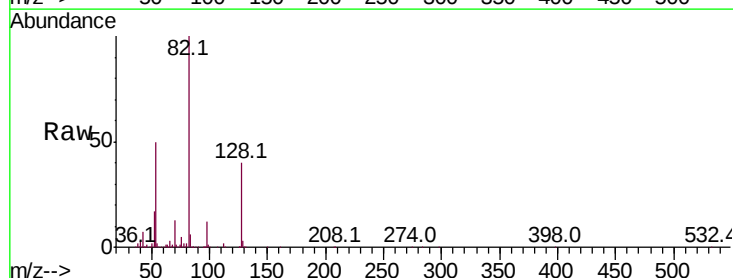


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

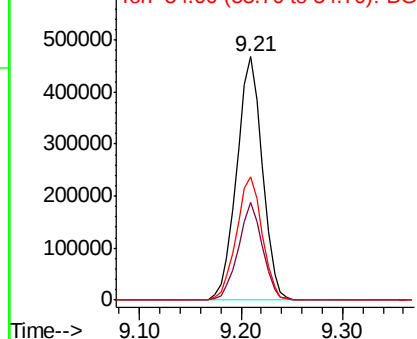
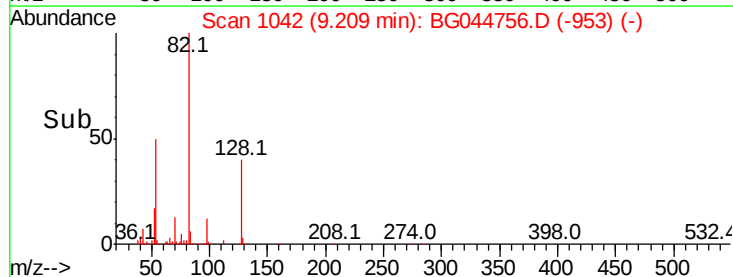


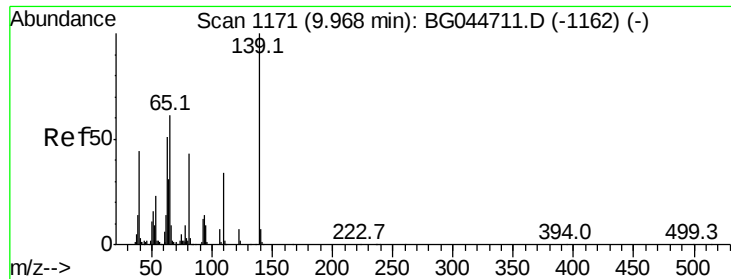
#23
Nitrobenzene-d5
Concen: 86.998 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG044756.D
Acq: 13 Mar 2020 5:25

Tgt Ion:	82	Resp:	820394
Ion	Ratio	Lower	Upper
82	100		
128	40.3	30.2	45.2
54	50.4	41.8	62.8



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: 5.532 ng

RT: 10.01 min Scan# 1179

Delta R.T. 0.05 min

Lab File: BG044756.D

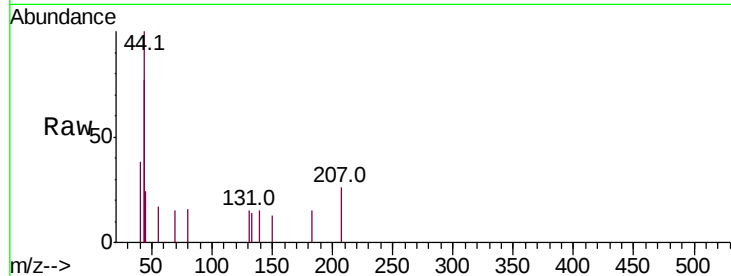
Acq: 13 Mar 2020 5:25

Instrument :

BNA_G

ClientSampled :

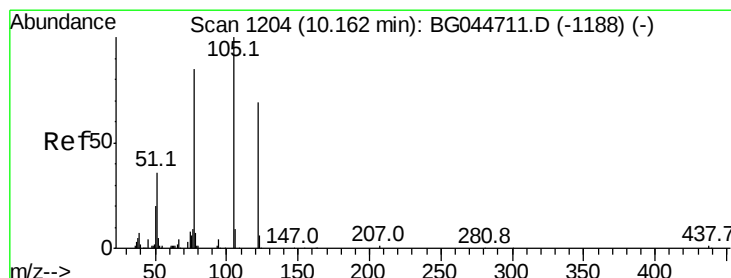
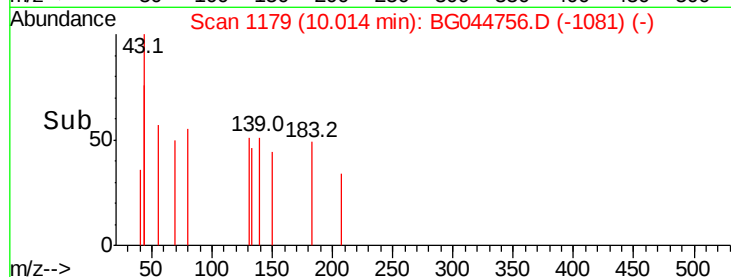
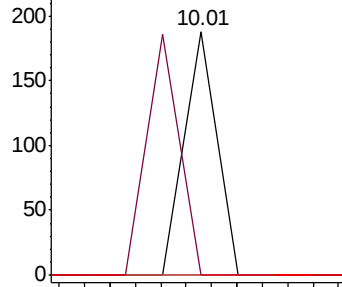
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	27.0	40.4#
65	0.0	48.6	73.0#



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: 9.682 ng

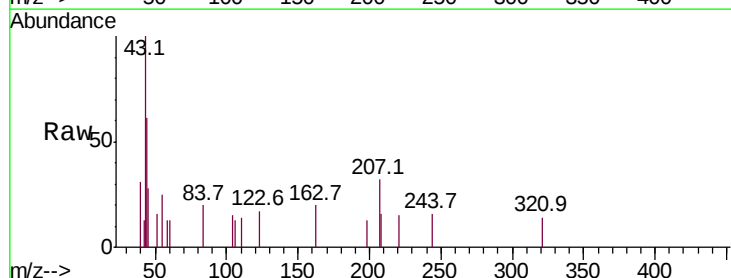
RT: 10.20 min Scan# 1211

Delta R.T. 0.04 min

Lab File: BG044756.D

Acq: 13 Mar 2020 5:25

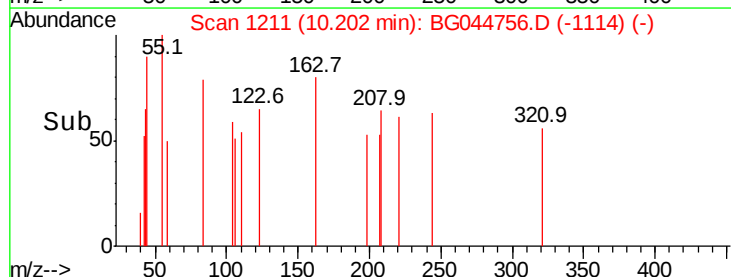
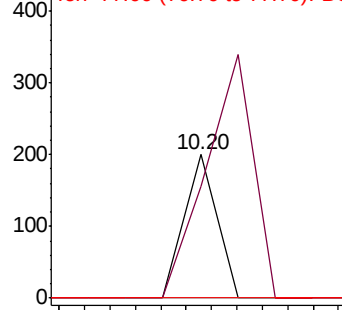
Tgt Ion	Ratio	Lower	Upper
122	100		
105	77.5	119.0	159.0#
77	0.0	96.4	136.4#

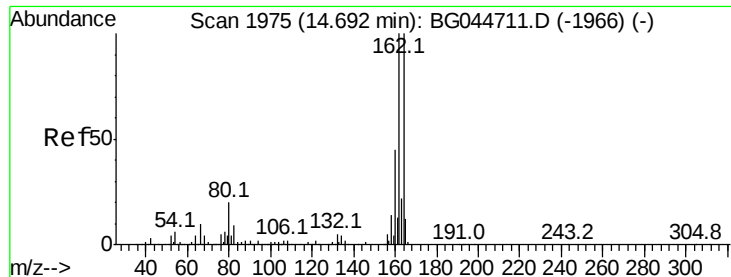


Abundance Ion 122.00 (121.70 to 122.70): E

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: BG044756.D

Acq: 13 Mar 2020 5:25

Instrument :

BNA_G

ClientSampleId :

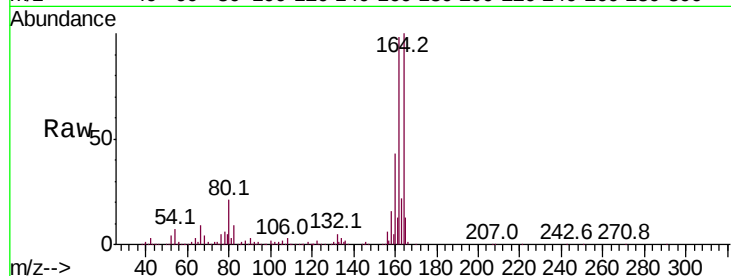
Tot Ion:164 Resp: 284211

Ion Ratio Lower Upper

164 100

162 98.5 80.2 120.4

160 43.4 36.2 54.2

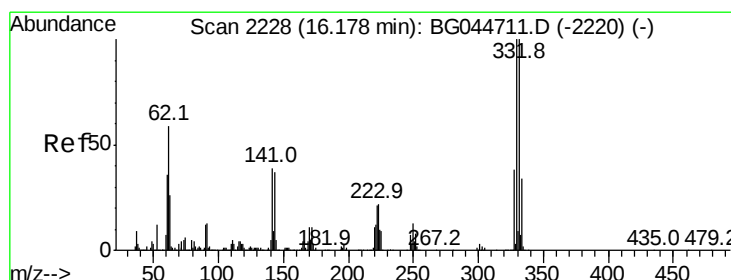
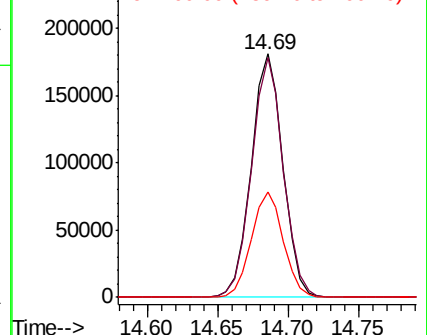
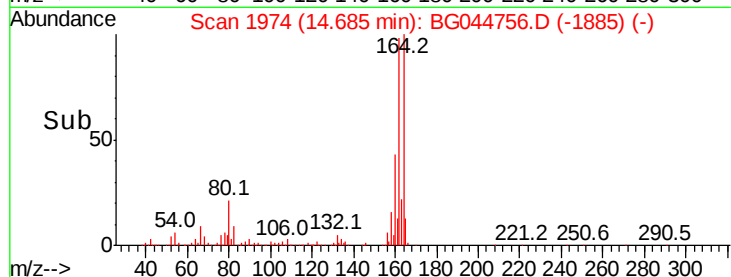


Abundance

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: 129.572 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG044756.D

Acq: 13 Mar 2020 5:25

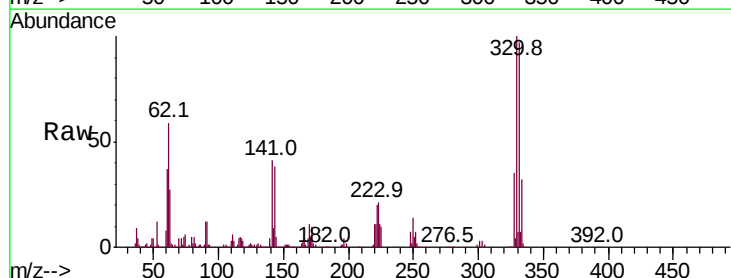
Tgt Ion:330 Resp: 482178

Ion Ratio Lower Upper

330 100

332 96.4 77.5 116.3

141 40.4 31.7 47.5

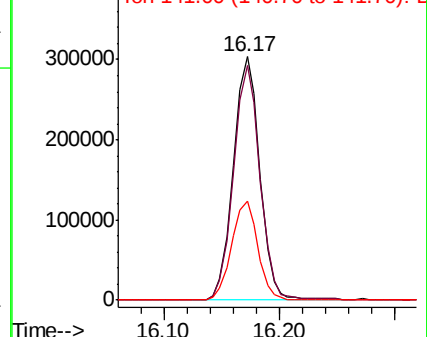
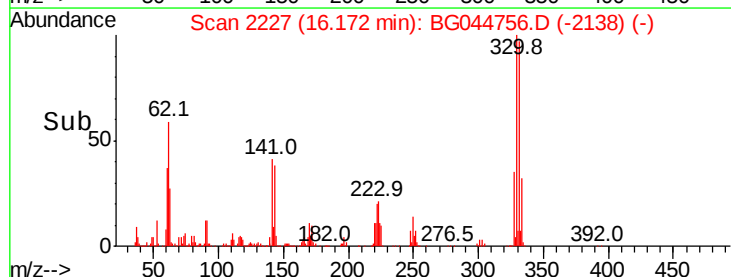


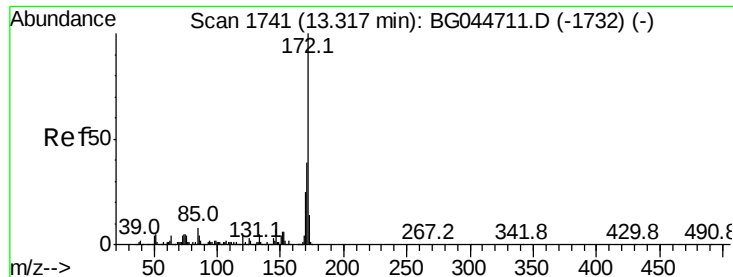
Abundance

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



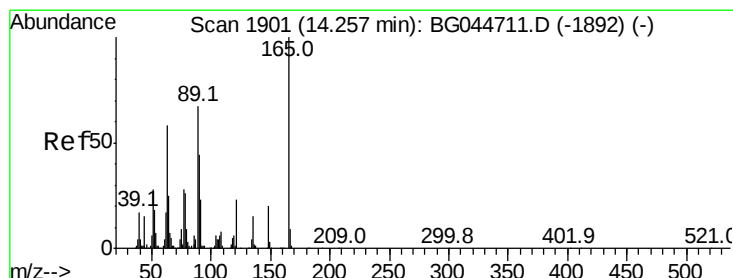
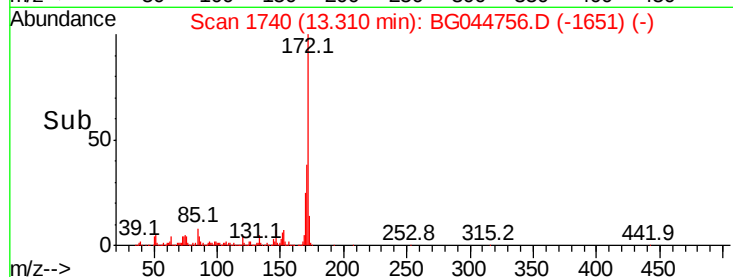
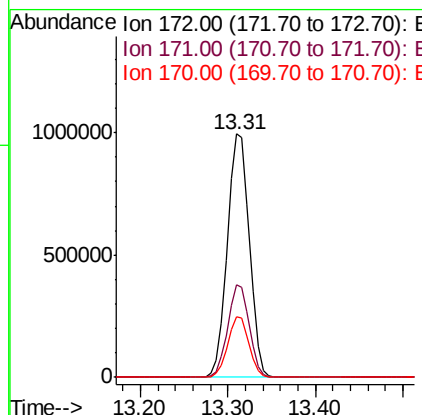
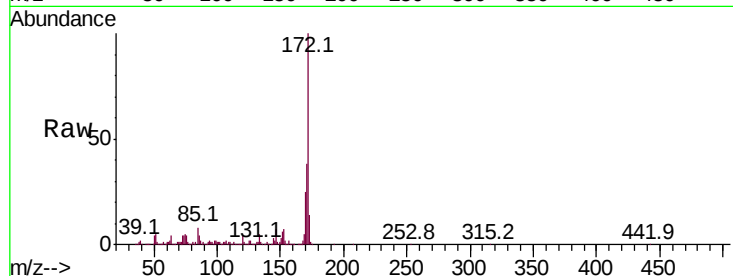


#45
 2-Fluorobiphenyl
 Concen: 85.346 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG044756.D
 Acq: 13 Mar 2020 5:25

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 1693834

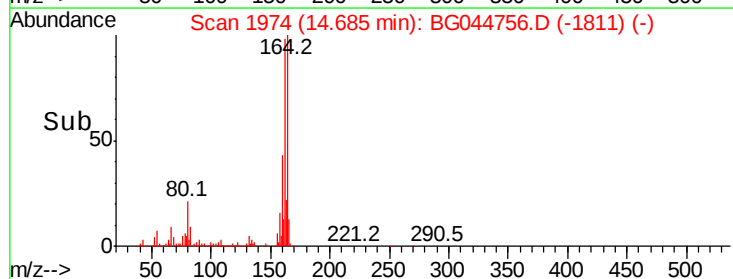
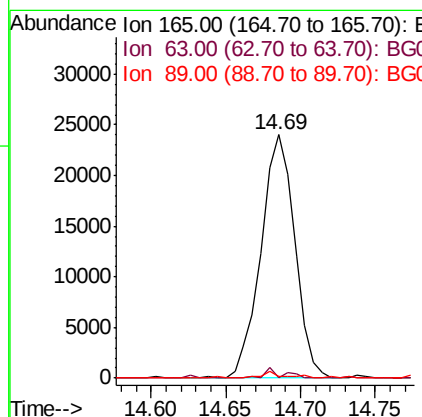
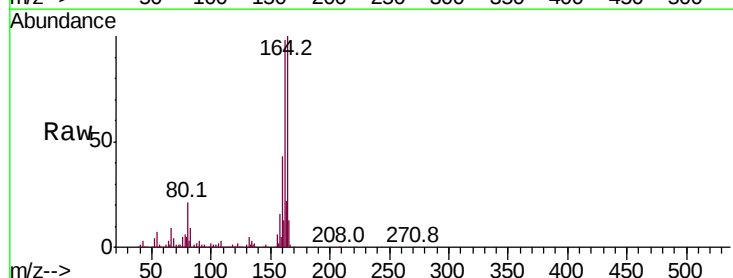
Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.8	46.2
170	24.9	20.0	30.0

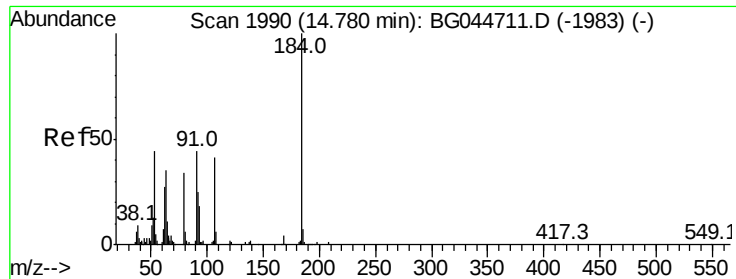


#51
 2,6-Dinitrotoluene
 Concen: 8.236 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.43 min
 Lab File: BG044756.D
 Acq: 13 Mar 2020 5:25

Tgt Ion:165 Resp: 37580

Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	0.8	53.8	80.8#

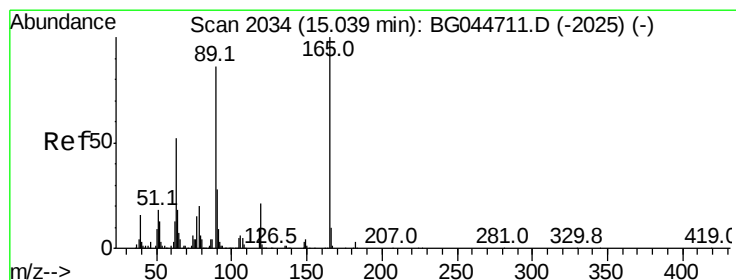
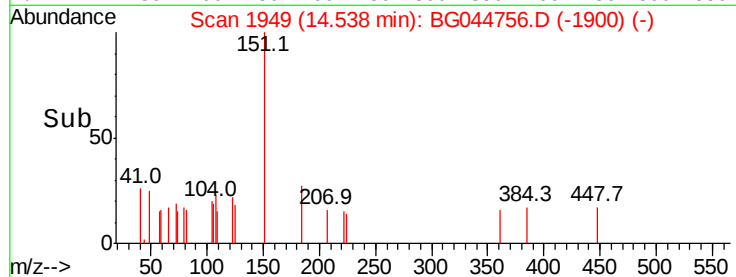
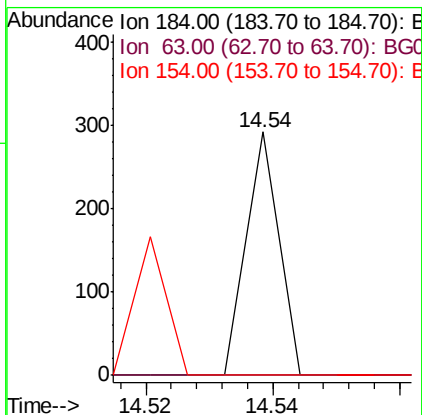
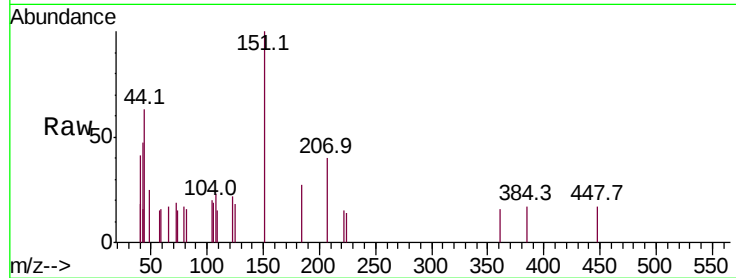




#54
 2,4-Dinitrophenol
 Concen: 8.361 ng
 RT: 14.54 min Scan# 1949
 Delta R.T. -0.24 min
 Lab File: BG044756.D
 Acq: 13 Mar 2020 5:25

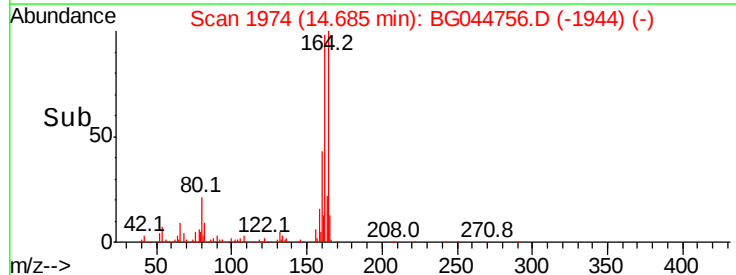
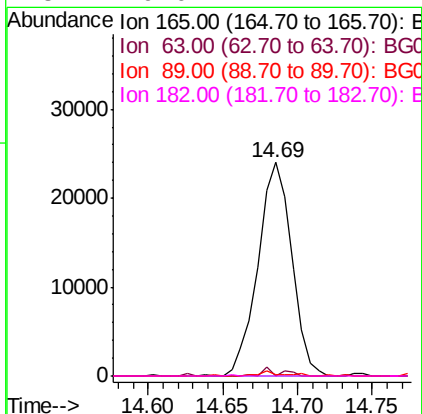
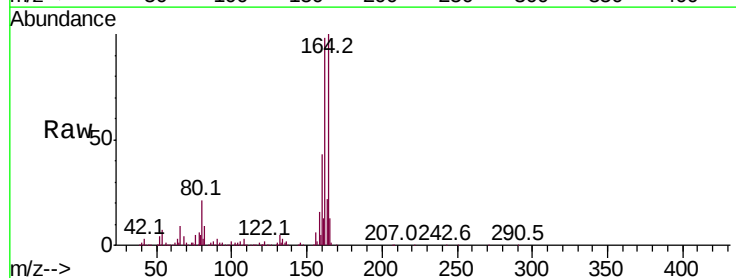
Instrument :
 BNA_G
 ClientSampleId :

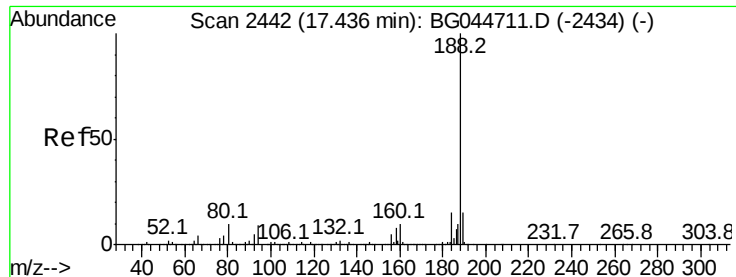
Tot Ion	Ratio	Lower	Upper
184	100		
63	0.0	49.0	73.6#
154	0.0	94.5	141.7#



#57
 2,4-Dinitrotoluene
 Concen: 6.005 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.35 min
 Lab File: BG044756.D
 Acq: 13 Mar 2020 5:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.5	62.3#
89	0.8	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: BG044756.D

Acq: 13 Mar 2020 5:25

Instrument :

BNA_G

ClientSampled :

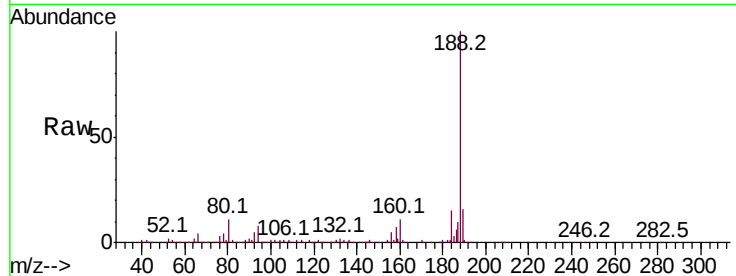
Tot Ion:188 Resp: 628252

Ion Ratio Lower Upper

188 100

94 8.5 7.0 10.6

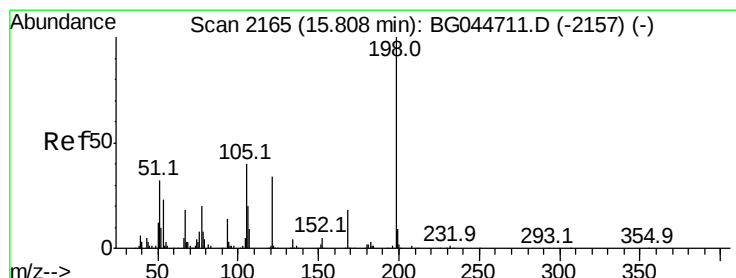
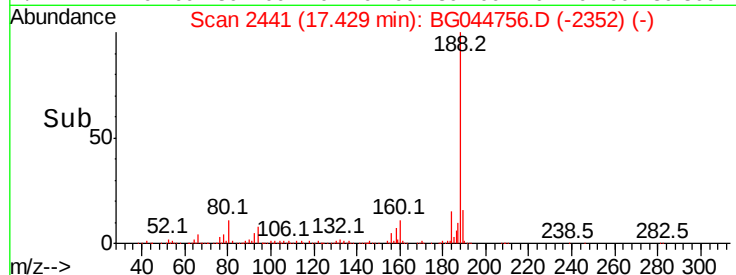
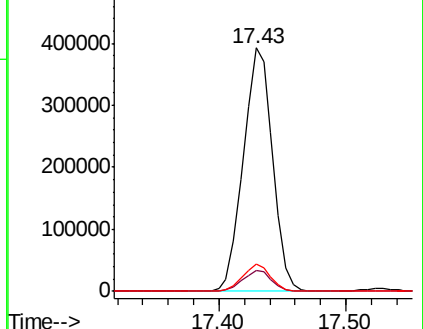
80 11.0 8.4 12.6



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: 8.323 ng

RT: 16.17 min Scan# 2227

Delta R.T. 0.36 min

Lab File: BG044756.D

Acq: 13 Mar 2020 5:25

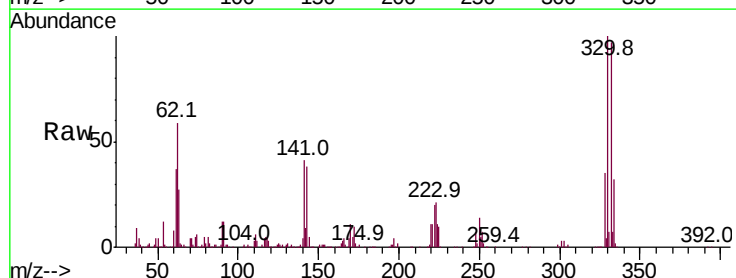
Tgt Ion:198 Resp: 2097

Ion Ratio Lower Upper

198 100

51 87.9 20.1 60.1#

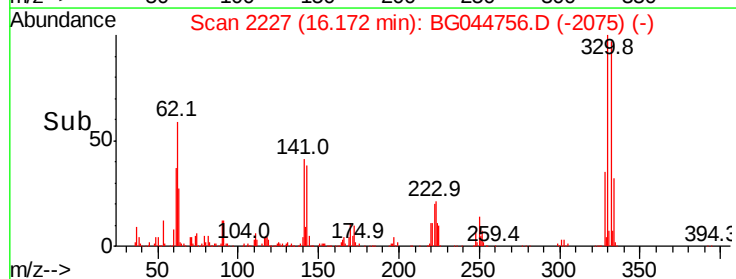
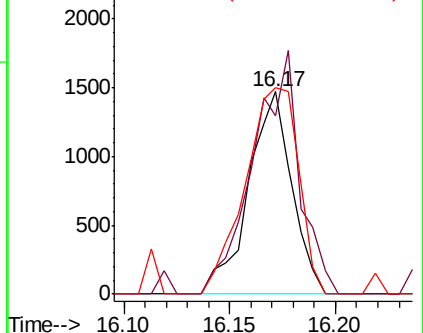
105 102.0 21.3 61.3#

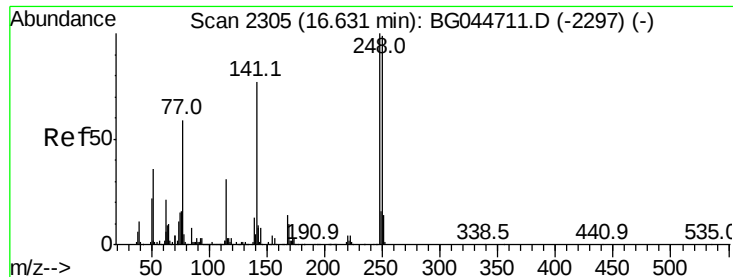


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

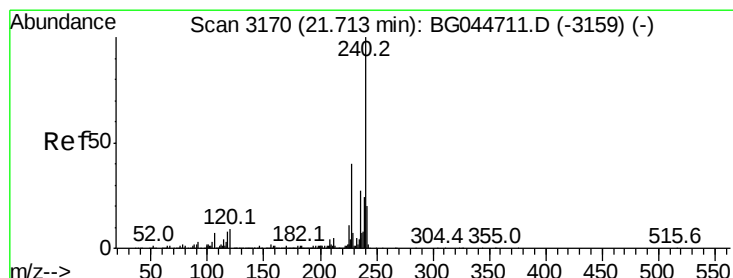
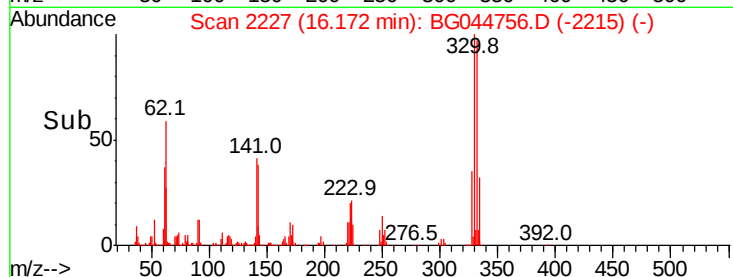
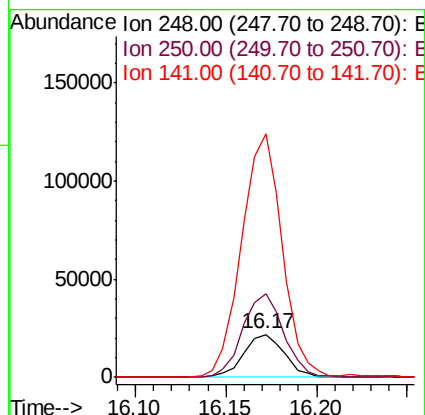
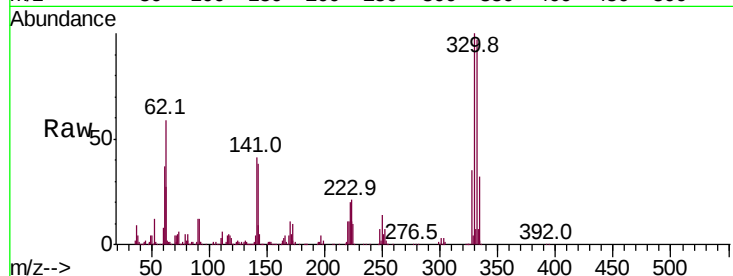




#67
 4-Bromophenyl-phenylether
 Concen: 4.344 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.46 min
 Lab File: BG044756.D
 Acq: 13 Mar 2020 5:25

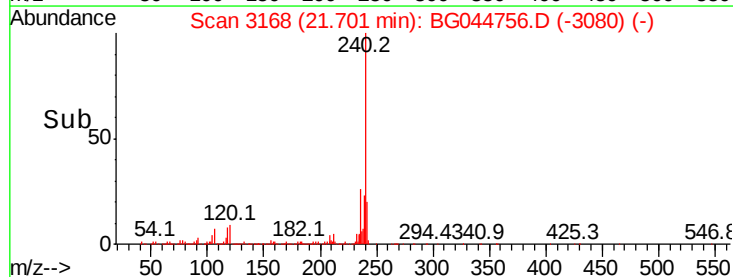
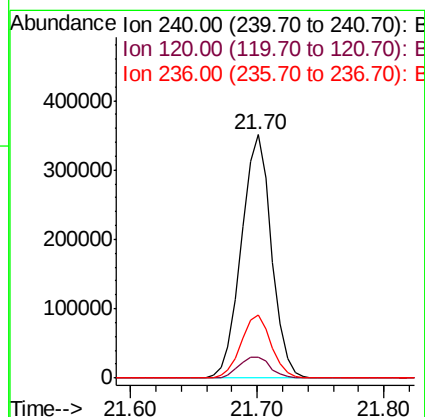
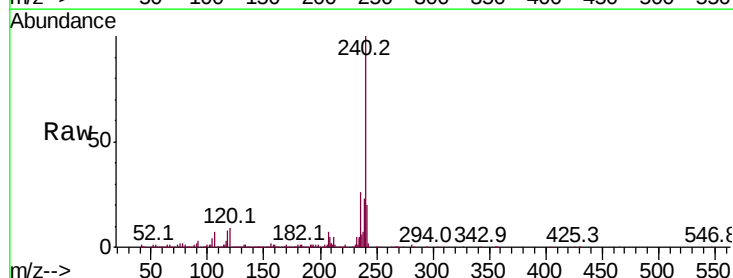
Instrument :
 BNA_G
 ClientSampleId :

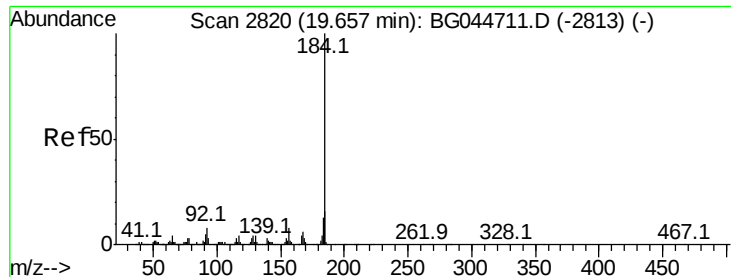
Tot Ion:248 Resp: 34120
 Ion Ratio Lower Upper
 248 100
 250 193.1 79.4 119.0#
 141 563.1 61.7 92.5#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3168
 Delta R.T. -0.01 min
 Lab File: BG044756.D
 Acq: 13 Mar 2020 5:25

Tgt Ion:240 Resp: 576052
 Ion Ratio Lower Upper
 240 100
 120 8.7 6.9 10.3
 236 25.8 21.9 32.9





#77

Benzidine

Concen: 3.103 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.39 min

Lab File: BG044756.D

Acq: 13 Mar 2020 5:25

Instrument :

BNA_G

ClientSampleId :

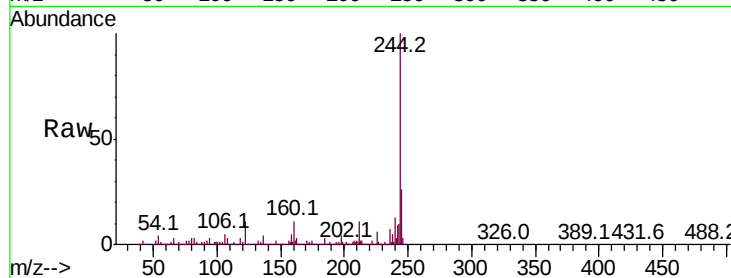
Tot Ion:184 Resp: 58036

Ion Ratio Lower Upper

184 100

185 17.3 12.9 19.3

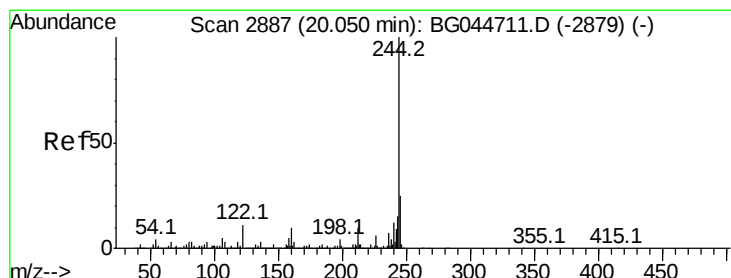
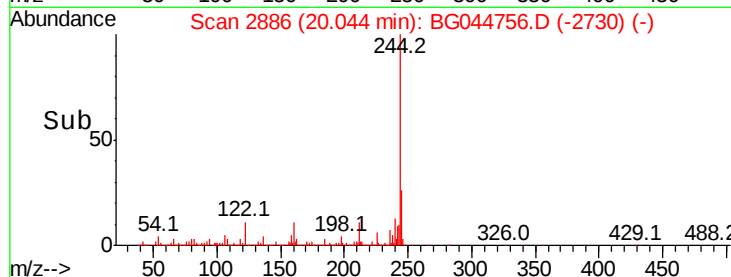
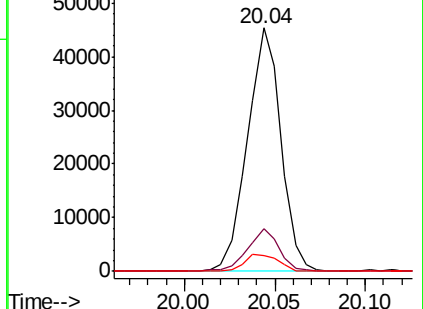
183 6.5 10.6 15.8#



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: 84.723 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044756.D

Acq: 13 Mar 2020 5:25

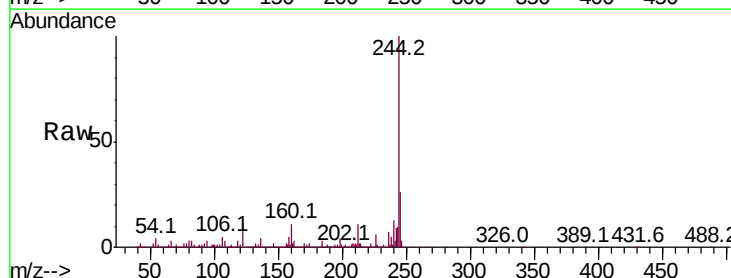
Tgt Ion:244 Resp: 2609129

Ion Ratio Lower Upper

244 100

212 10.9 8.4 12.6

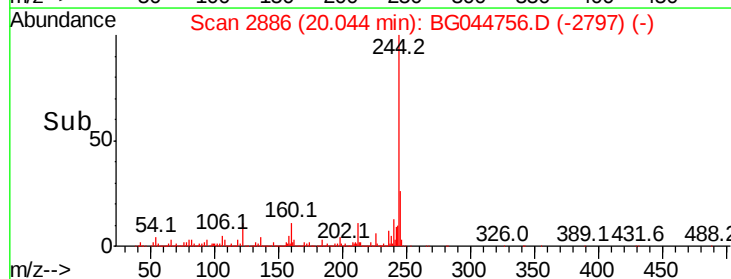
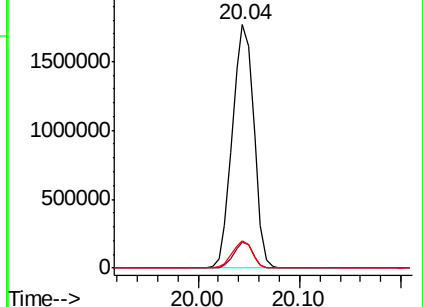
122 11.2 8.7 13.1

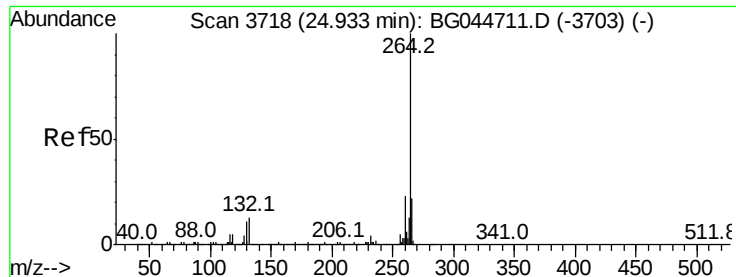


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

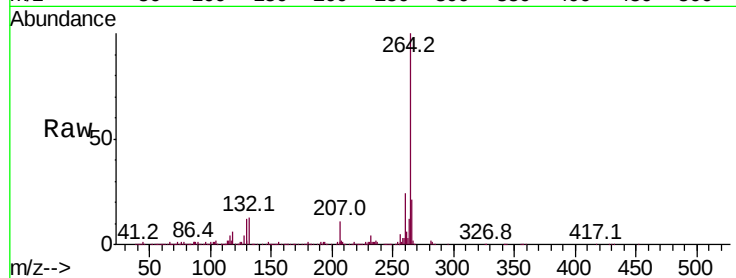




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.91 min Scan# 3715
Delta R.T. -0.02 min
Lab File: BG044756.D
Acq: 13 Mar 2020 5:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	264	Resp:	645435
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.4	27.6
265	21.0	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

