

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031820\
 Data File : BG044891.D
 Acq On : 19 Mar 2020 10:21
 Operator : CG/JU
 Sample : PB127567TB
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 19 11:22:08 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	69971	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	274877	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	183588	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	432053	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	509053	20.00	ng	-0.02
87) Perylene-d12	24.89	264	529026	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.62	112	680573	151.41	ng	0.00
7) Phenol-d6	7.20	99	922303	141.23	ng	0.00
23) Nitrobenzene-d5	9.20	82	614453	98.09	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	411087	171.02	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1300423	101.44	ng	0.00
79) Terphenyl-d14	20.03	244	2388532	87.77	ng	0.00

Target Compounds

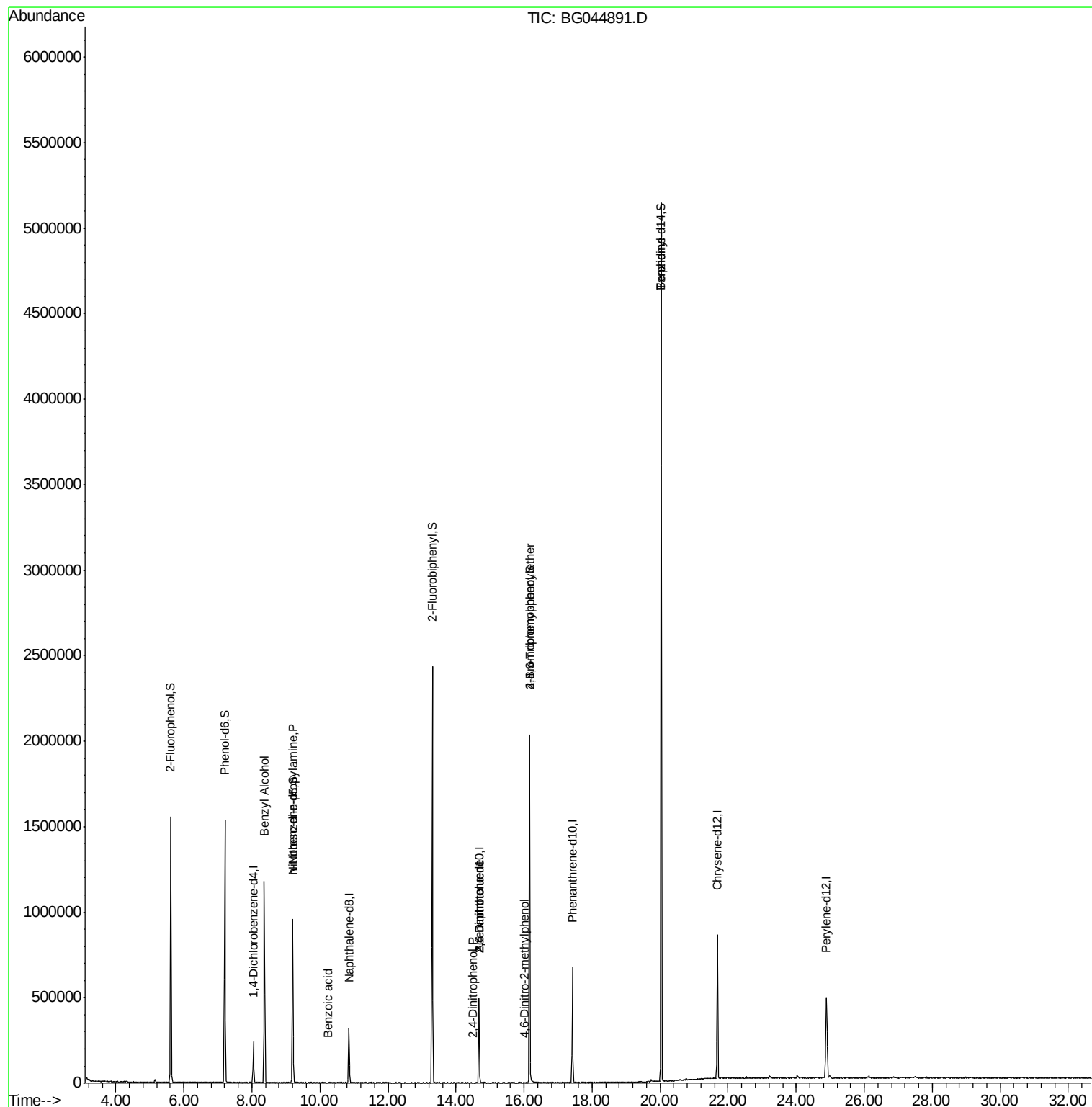
						Qvalue
9) Benzaldehyde	7.20	77	1659	Below Cal	#	15
15) Benzyl Alcohol	8.37	79	10604	2.024 ng	#	50
19) n-Nitroso-di-n-propylamine	9.20	70	82803	17.956 ng	#	75
32) Benzoic acid	10.23	122	59	9.685 ng	#	1
51) 2,6-Dinitrotoluene	14.68	165	24285	8.240 ng	#	22
54) 2,4-Dinitrophenol	14.49	184	70	8.363 ng	#	21
57) 2,4-Dinitrotoluene	14.68	165	24285	6.008 ng	#	23
65) 4,6-Dinitro-2-methylphenol	16.01	198	57	7.752 ng	#	33
67) 4-Bromophenyl-phenylether	16.16	248	27220	5.040 ng	#	1
77) Benzidine	20.03	184	47492	2.874 ng	#	88

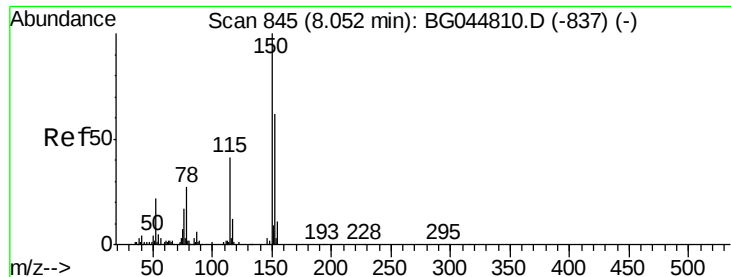
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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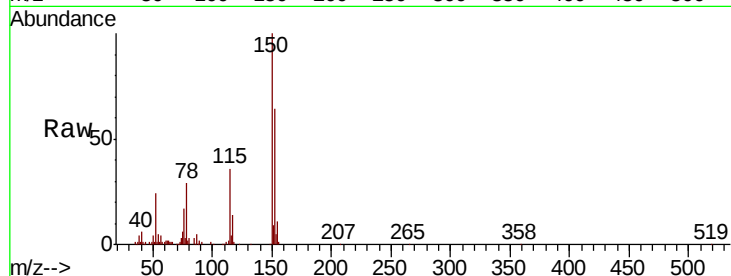


#1

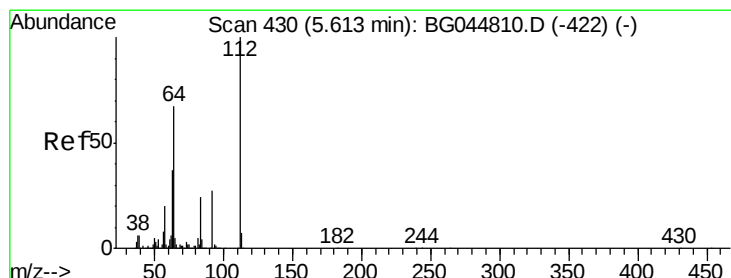
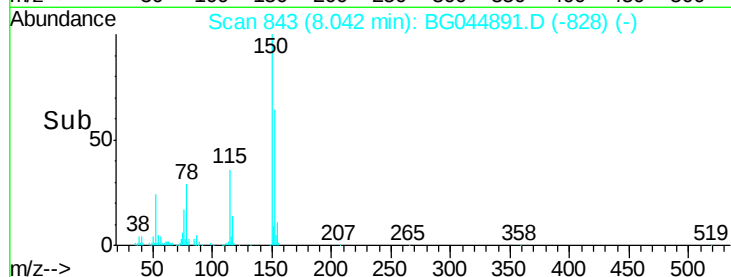
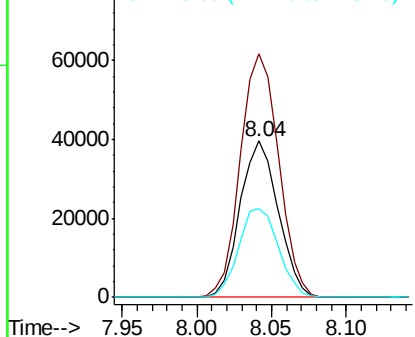
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.04 min Scan# 843
 Delta R.T. -0.01 min
 Lab File: BG044891.D
 Acq: 19 Mar 2020 10:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	128.8	193.2
115	56.7	52.6	79.0



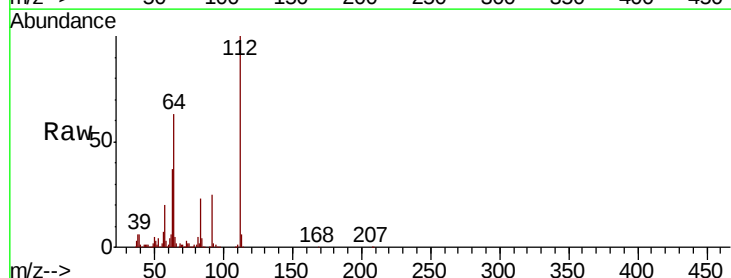
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



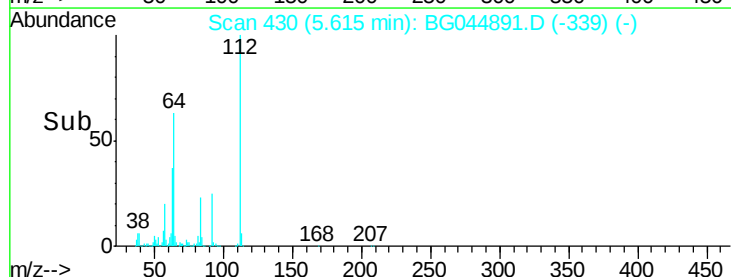
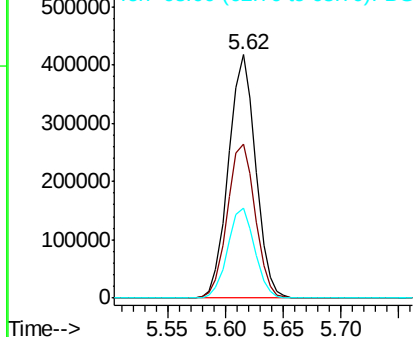
#5

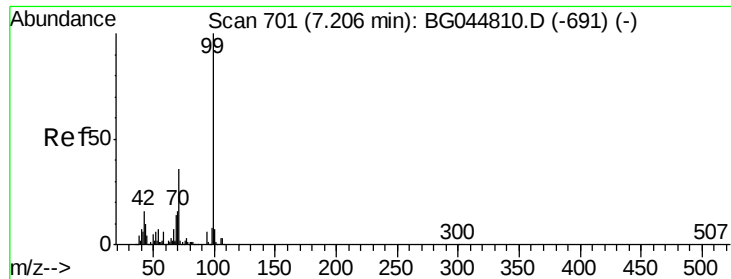
2-Fluorophenol
 Concen: 151.412 ng
 RT: 5.62 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: BG044891.D
 Acq: 19 Mar 2020 10:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	53.4	80.2
63	37.0	29.4	44.2



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: 141.226 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044891.D

Acq: 19 Mar 2020 10:21

Instrument :

BNA_G

ClientSampleId :

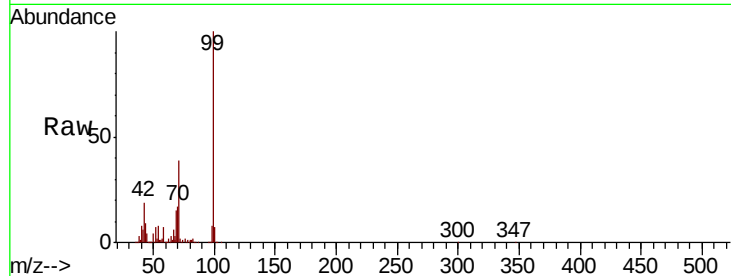
Tot Ion: 99 Resp: 922303

Ion Ratio Lower Upper

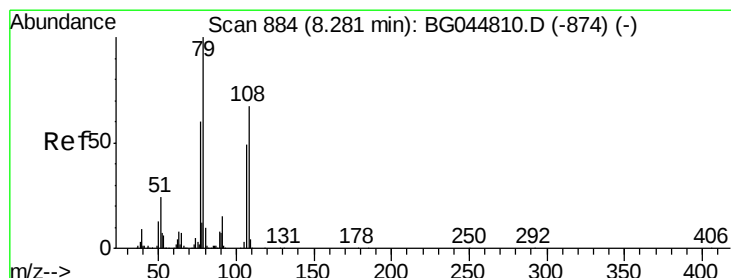
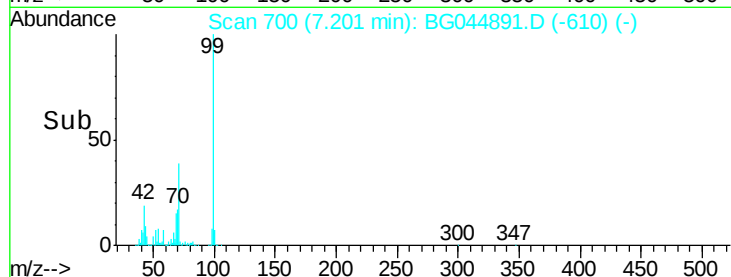
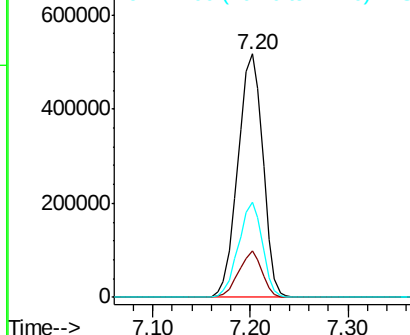
99 100

42 18.9 12.6 19.0

71 38.9 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



#15

Benzyl Alcohol

Concen: 2.024 ng

RT: 8.37 min Scan# 899

Delta R.T. 0.09 min

Lab File: BG044891.D

Acq: 19 Mar 2020 10:21

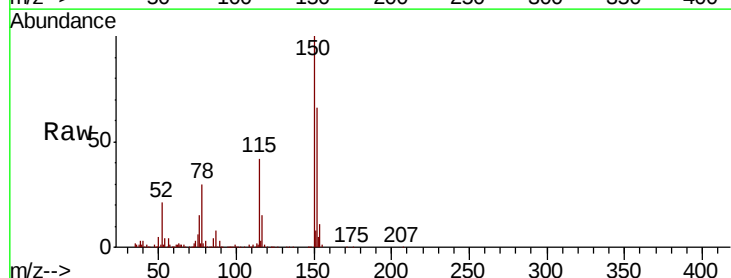
Tgt Ion: 79 Resp: 10604

Ion Ratio Lower Upper

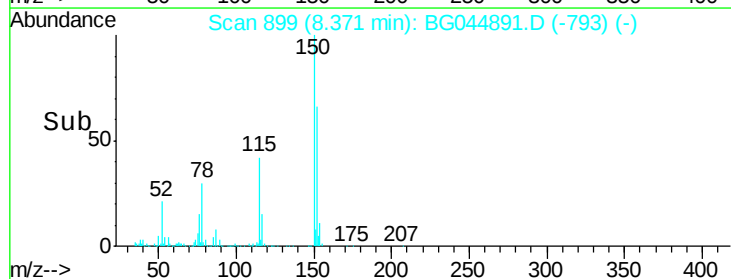
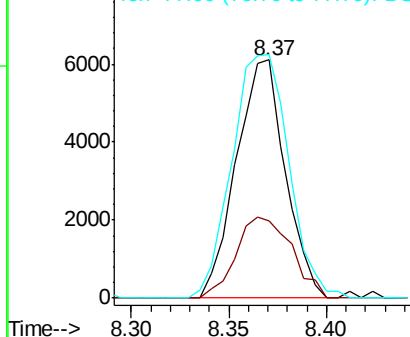
79 100

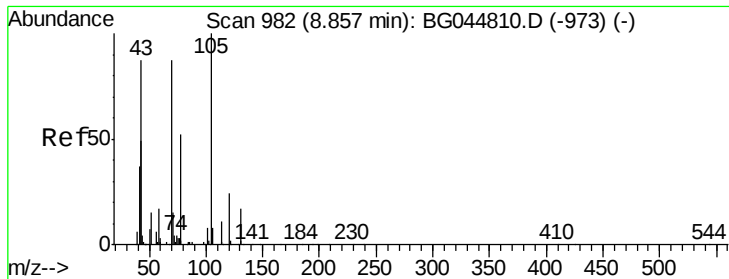
108 32.2 53.8 80.8#

77 102.3 47.8 71.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

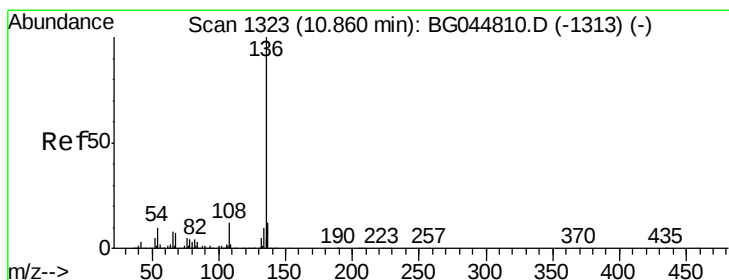
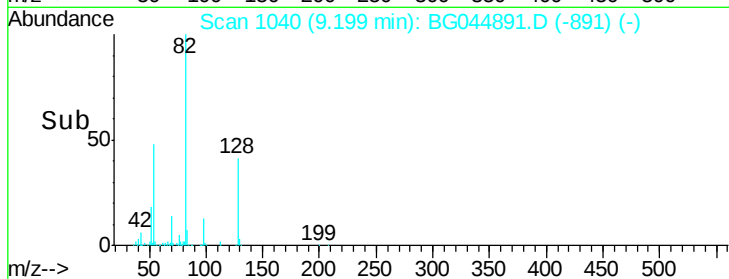
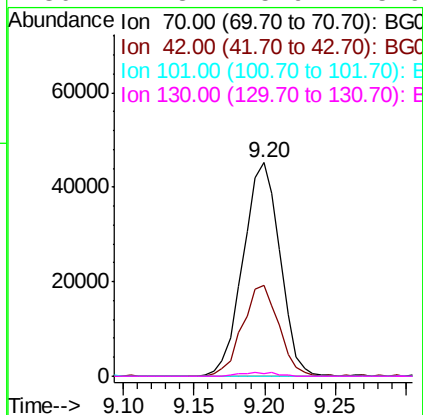
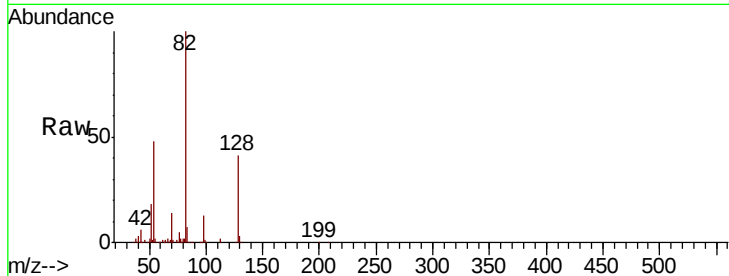




#19
n-Nitroso-di-n-propylamine
Concen: 17.956 ng
RT: 9.20 min Scan# 1040
Delta R.T. 0.34 min
Lab File: BG044891.D
Acq: 19 Mar 2020 10:21

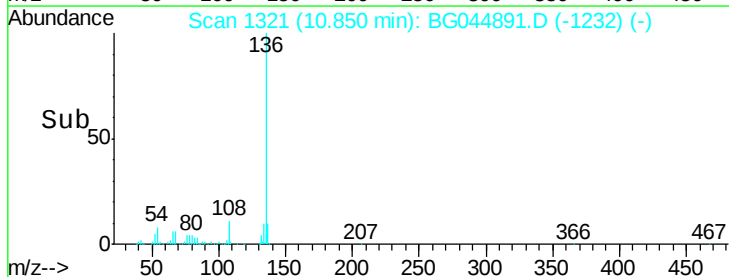
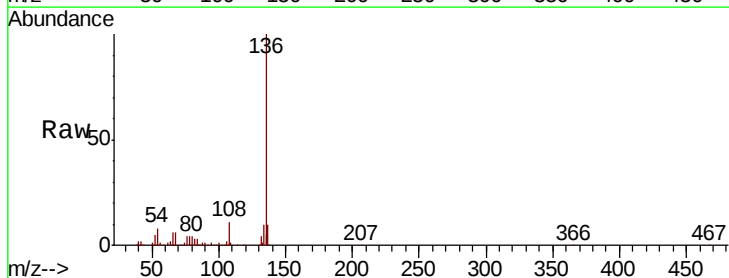
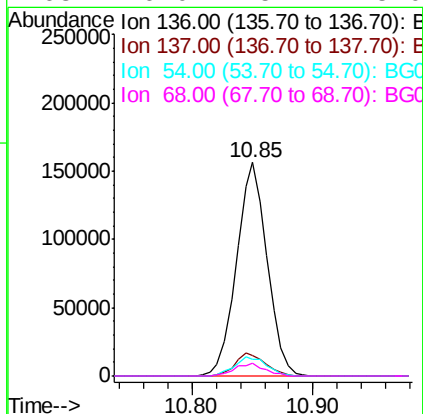
Instrument :
BNA_G
ClientSampleId :

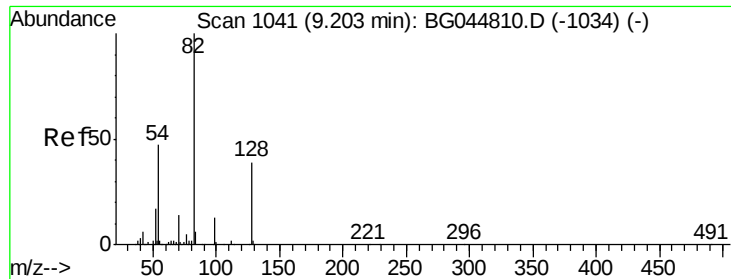
Tot Ion: 70 Resp: 82803
Ion Ratio Lower Upper
70 100
42 42.3 45.7 68.5#
101 0.0 7.4 11.2#
130 1.3 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044891.D
Acq: 19 Mar 2020 10:21

Tgt Ion: 136 Resp: 274877
Ion Ratio Lower Upper
136 100
137 9.9 9.8 14.6
54 7.8 7.9 11.9#
68 6.0 5.4 8.0

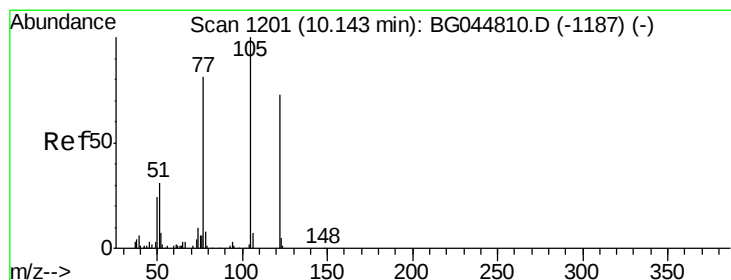
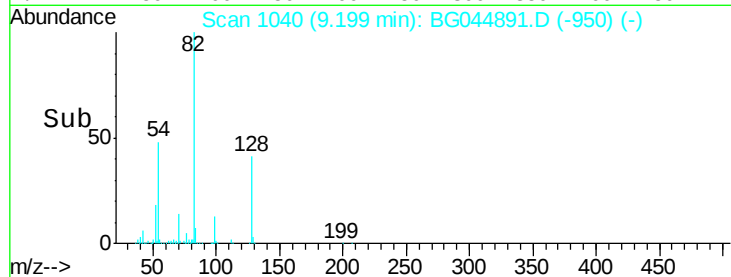
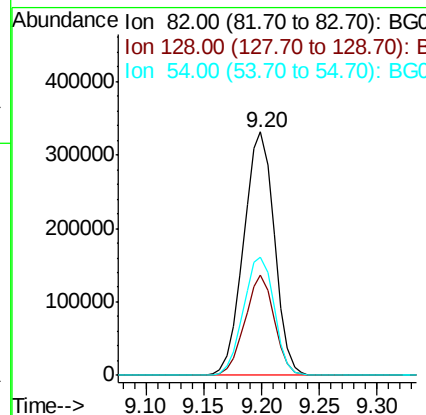
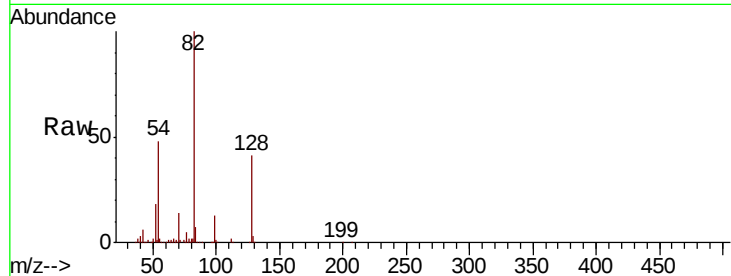




#23
 Nitrobenzene-d5
 Concen: 98.091 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: BG044891.D
 Acq: 19 Mar 2020 10:21

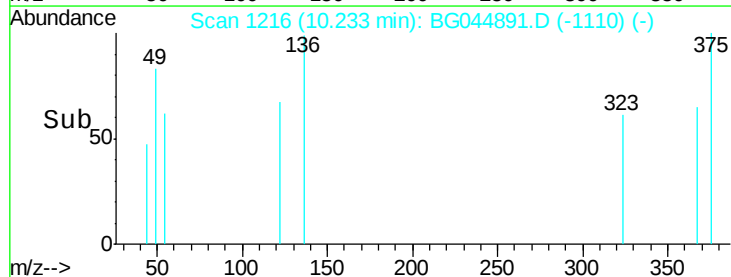
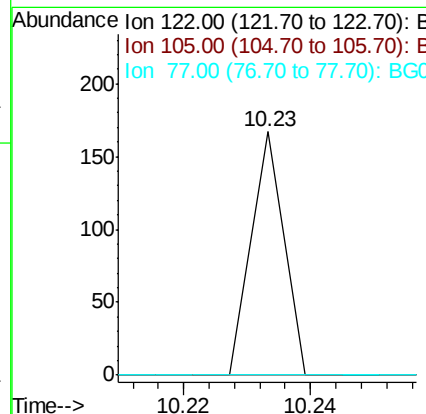
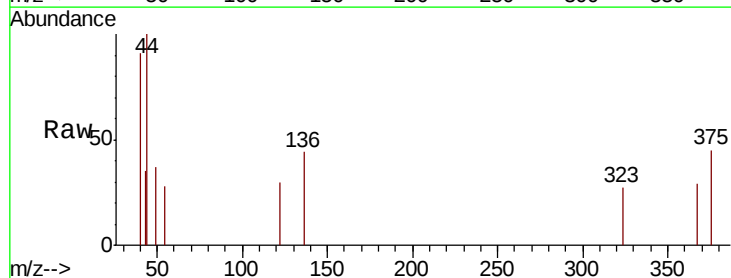
Instrument :
 BNA_G
 ClientSampleId :

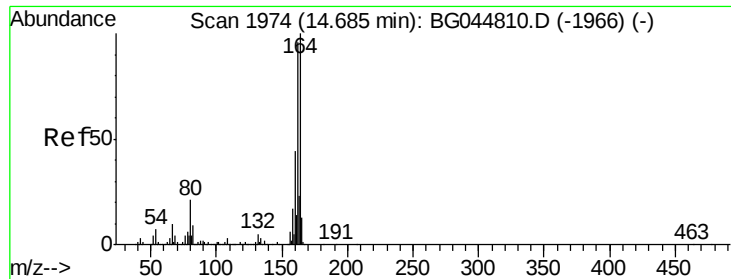
Tot Ion	82	Resp	614453
Ion Ratio	Lower	Upper	
82	100		
128	40.9	30.6	46.0
54	48.4	37.1	55.7



#32
 Benzoic acid
 Concen: 9.685 ng
 RT: 10.23 min Scan# 1216
 Delta R.T. 0.09 min
 Lab File: BG044891.D
 Acq: 19 Mar 2020 10:21

Tgt Ion	122	Resp	59
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: 14.68 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044891.D

Acq: 19 Mar 2020 10:21

Instrument :

BNA_G

ClientSampleId :

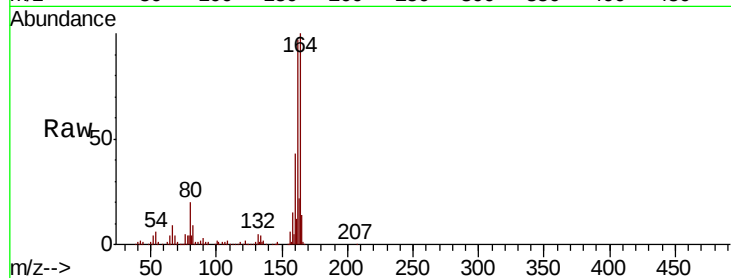
Tot Ion:164 Resp: 183588

Ion Ratio Lower Upper

164 100

162 96.8 76.7 115.1

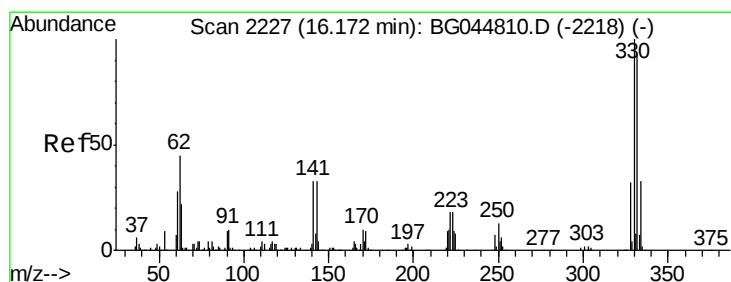
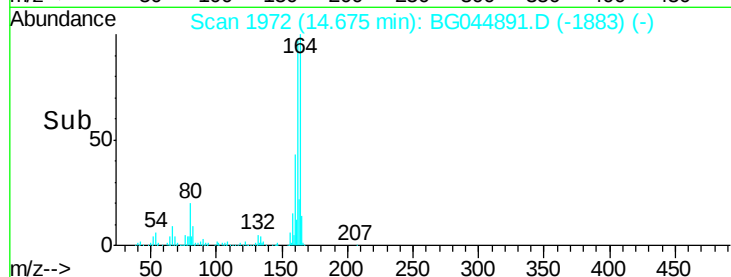
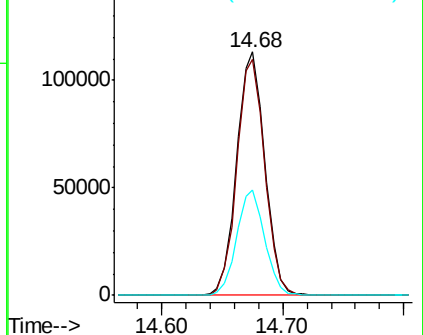
160 43.3 35.0 52.4



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: 171.015 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044891.D

Acq: 19 Mar 2020 10:21

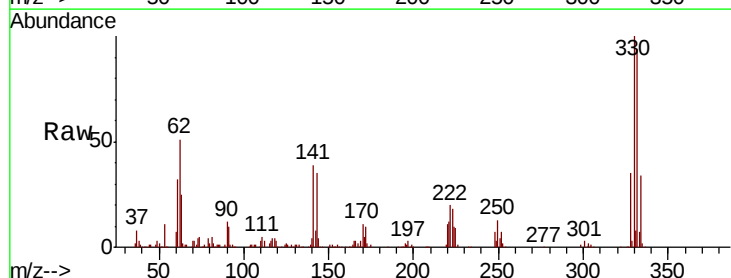
Tgt Ion:330 Resp: 411087

Ion Ratio Lower Upper

330 100

332 96.5 77.8 116.6

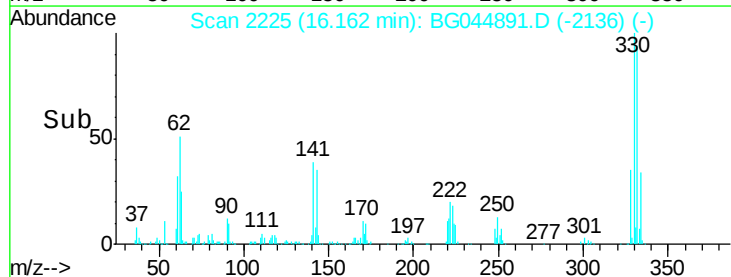
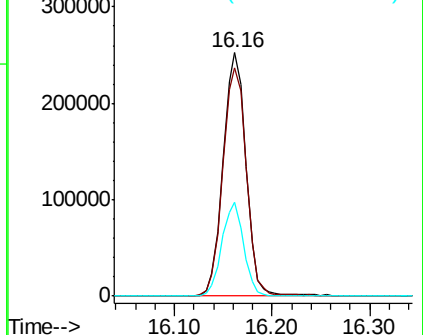
141 37.0 29.5 44.3

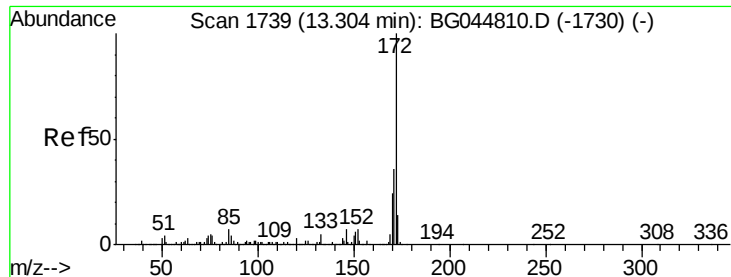


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

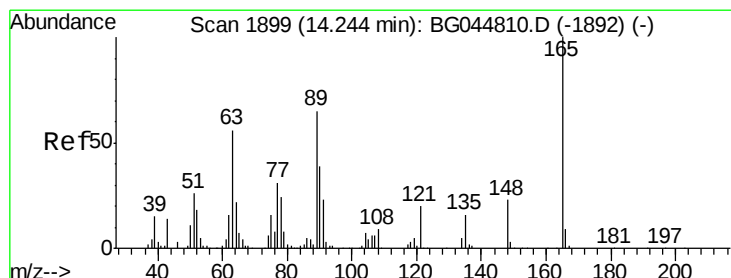
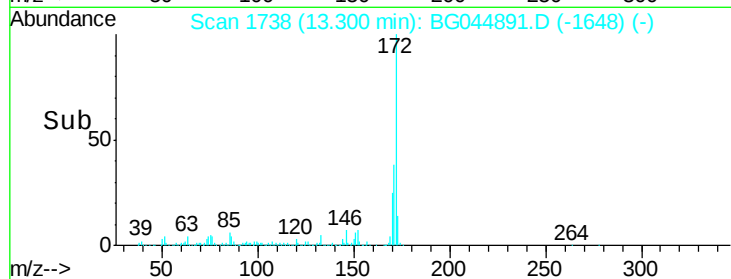
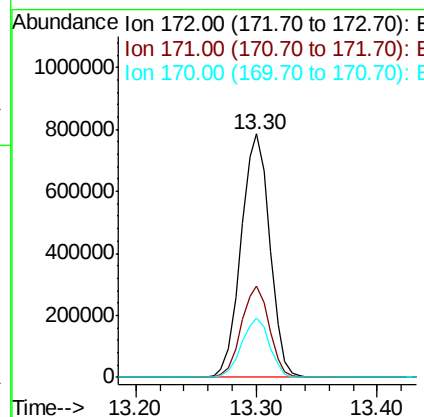
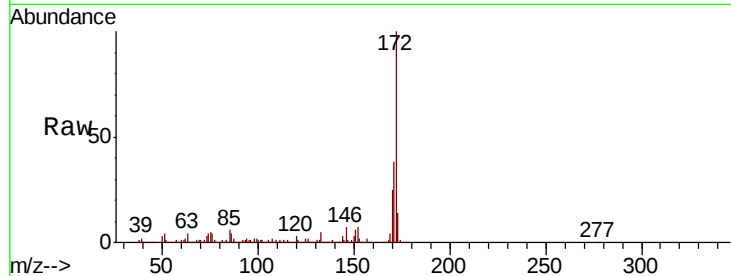




#45
2-Fluorobiphenyl
Concen: 101.436 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.00 min
Lab File: BG044891.D
Acq: 19 Mar 2020 10:21

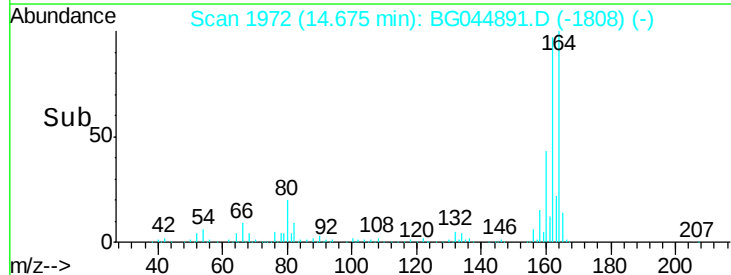
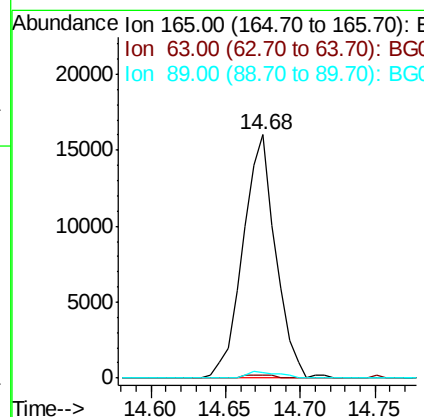
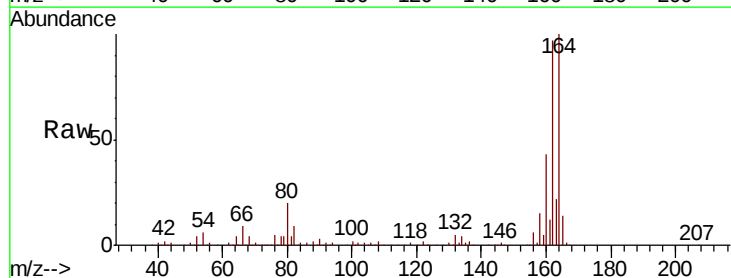
Instrument :
BNA_G
ClientSampleId :

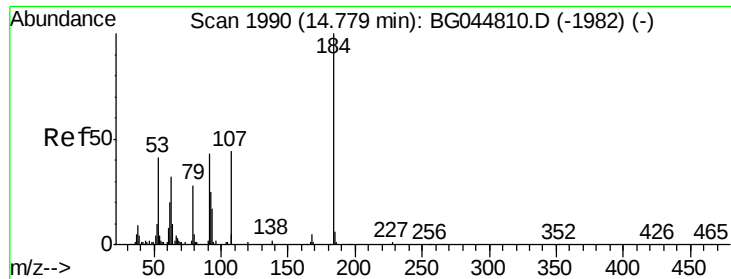
Tot Ion:172 Resp: 1300423
Ion Ratio Lower Upper
172 100
171 37.7 28.7 43.1
170 24.6 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.240 ng
RT: 14.68 min Scan# 1972
Delta R.T. 0.43 min
Lab File: BG044891.D
Acq: 19 Mar 2020 10:21

Tgt Ion:165 Resp: 24285
Ion Ratio Lower Upper
165 100
63 1.3 45.8 68.8#
89 2.2 51.8 77.6#

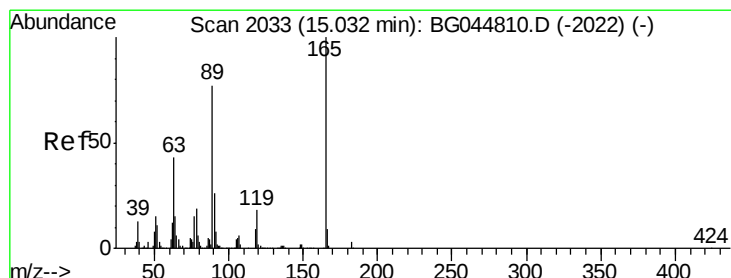
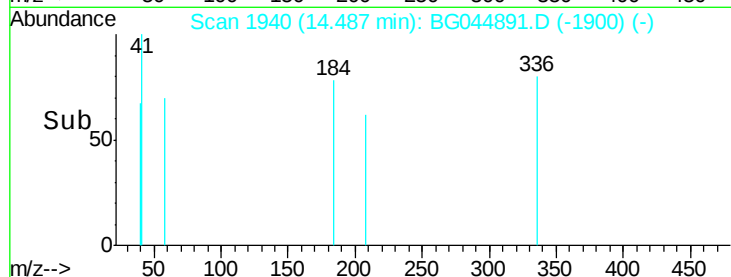
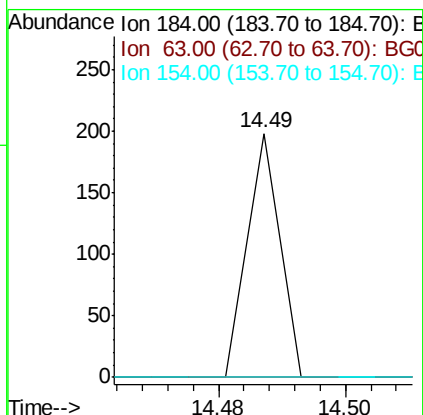
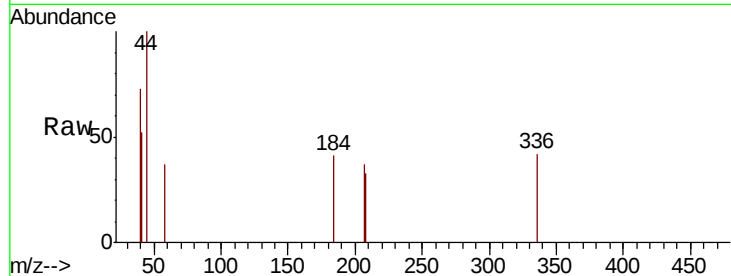




#54
 2,4-Dinitrophenol
 Concen: 8.363 ng
 RT: 14.49 min Scan# 1940
 Delta R.T. -0.29 min
 Lab File: BG044891.D
 Acq: 19 Mar 2020 10:21

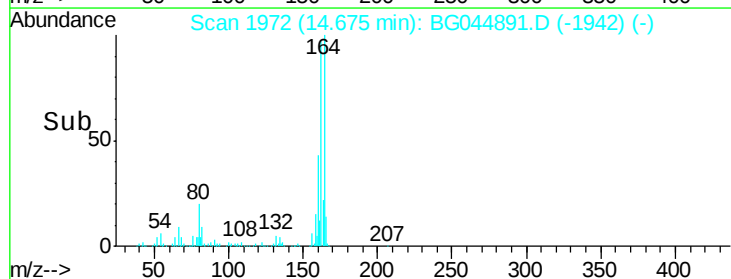
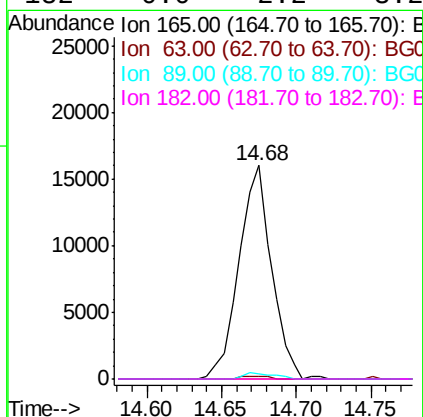
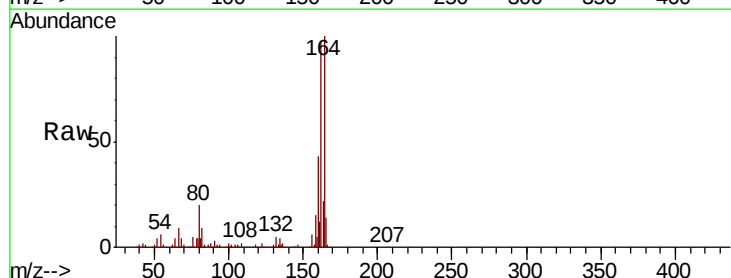
Instrument :
 BNA_G
 ClientSampleId :

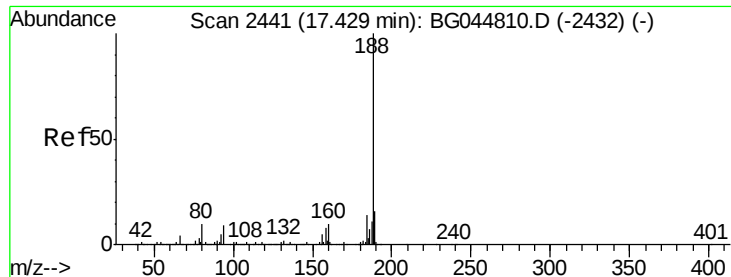
Tot Ion:184 Resp: 70
 Ion Ratio Lower Upper
 184 100
 63 0.0 45.5 68.3#
 154 0.0 49.1 73.7#



#57
 2,4-Dinitrotoluene
 Concen: 6.008 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. -0.36 min
 Lab File: BG044891.D
 Acq: 19 Mar 2020 10:21

Tgt Ion:165 Resp: 24285
 Ion Ratio Lower Upper
 165 100
 63 1.3 34.6 52.0#
 89 2.2 61.3 91.9#
 182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044891.D

Acq: 19 Mar 2020 10:21

Instrument :

BNA_G

ClientSampleId :

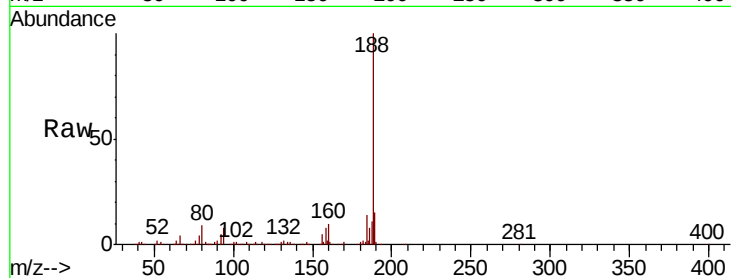
Tot Ion:188 Resp: 432053

Ion Ratio Lower Upper

188 100

94 7.8 7.3 10.9

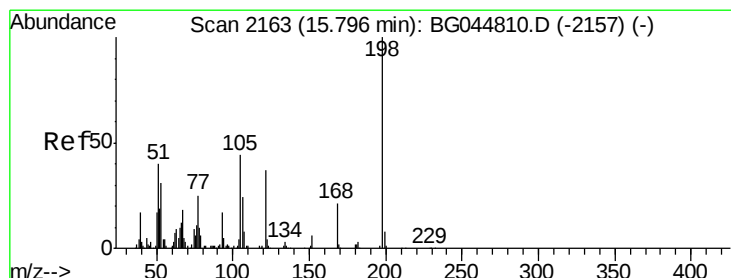
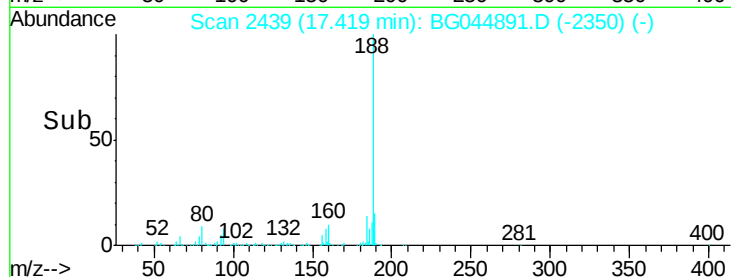
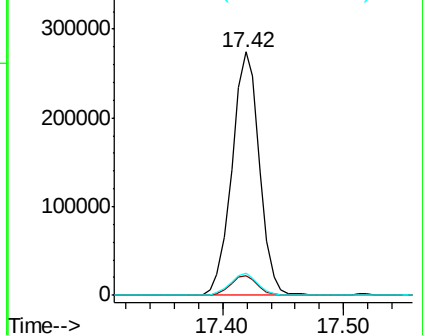
80 9.2 8.0 12.0



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: 7.752 ng

RT: 16.01 min Scan# 2199

Delta R.T. 0.21 min

Lab File: BG044891.D

Acq: 19 Mar 2020 10:21

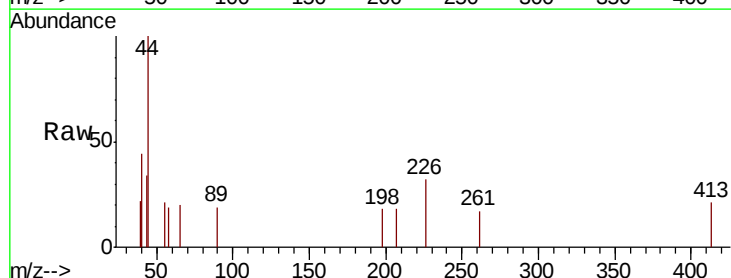
Tgt Ion:198 Resp: 57

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

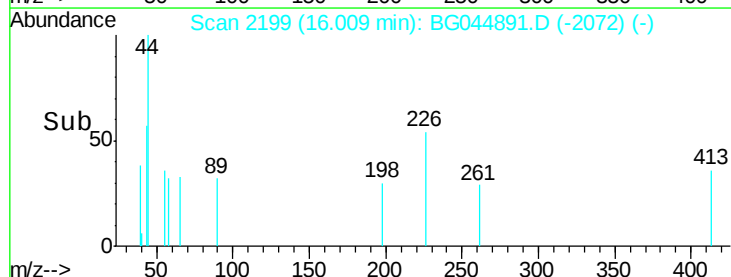
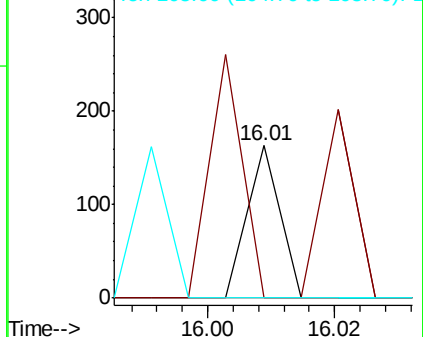
105 0.0 24.5 64.5#

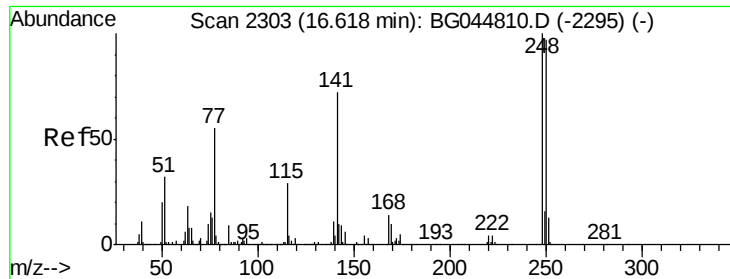


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

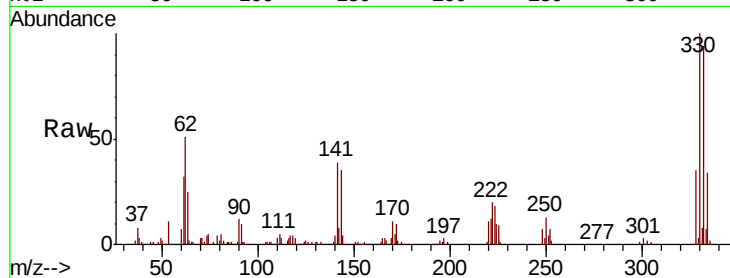




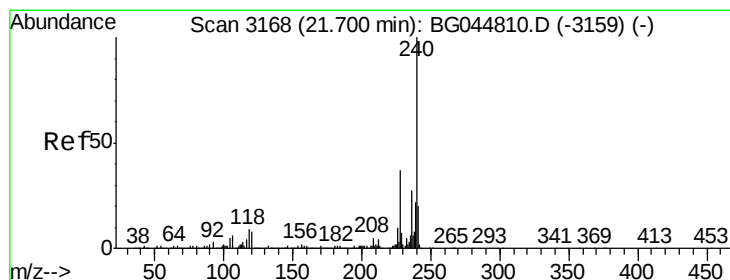
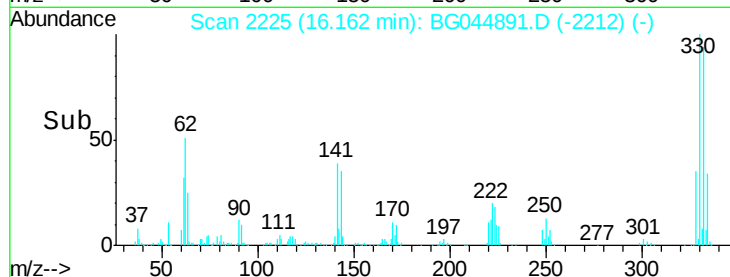
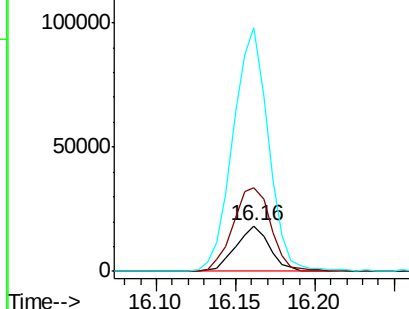
#67
4-Bromophenyl-phenylether
Concen: 5.040 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.46 min
Lab File: BG044891.D
Acq: 19 Mar 2020 10:21

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 27220
Ion Ratio Lower Upper
248 100
250 185.3 77.9 116.9#
141 537.9 57.5 86.3#

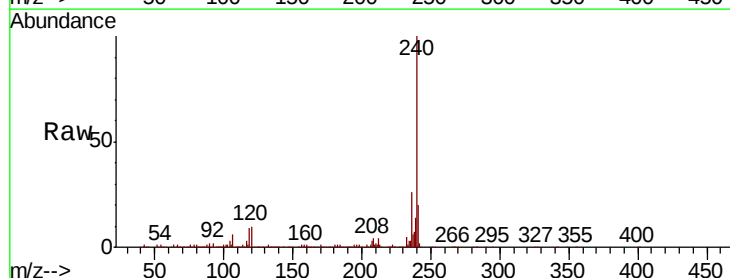


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

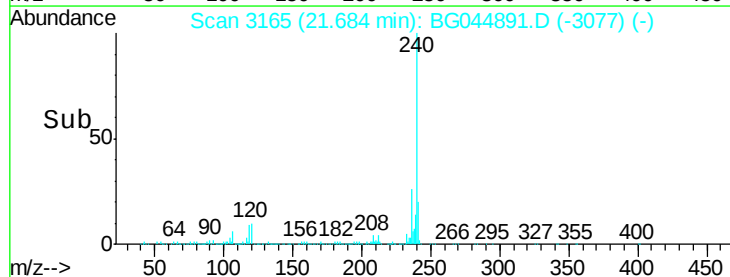
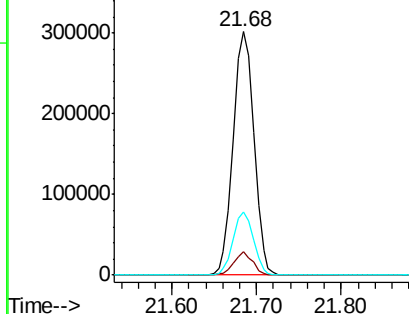


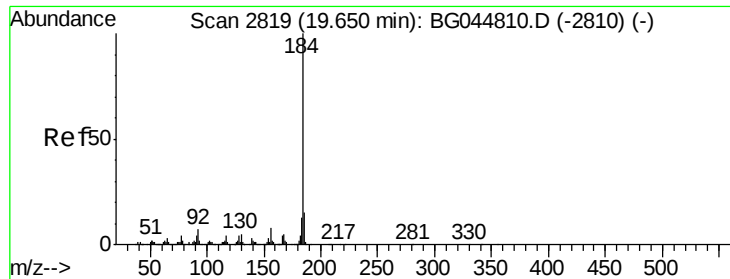
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.02 min
Lab File: BG044891.D
Acq: 19 Mar 2020 10:21

Tgt Ion:240 Resp: 509053
Ion Ratio Lower Upper
240 100
120 9.7 6.7 10.1
236 26.2 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: 2.874 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG044891.D

Acq: 19 Mar 2020 10:21

Instrument :

BNA_G

ClientSampled :

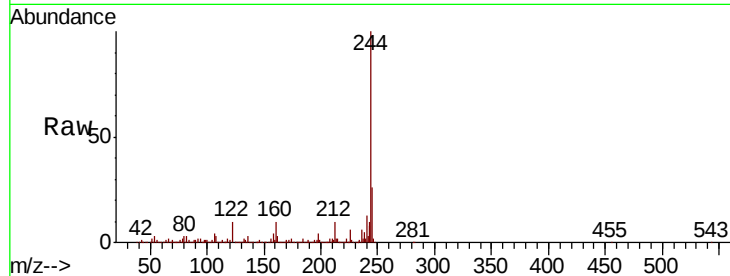
Tot Ion:184 Resp: 47492

Ion Ratio Lower Upper

184 100

185 18.1 12.2 18.4

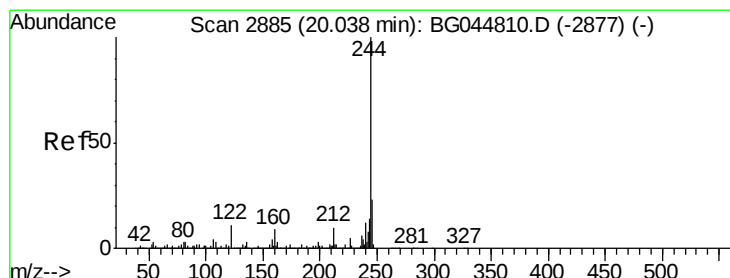
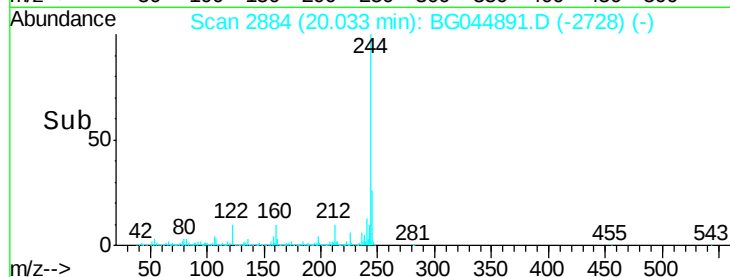
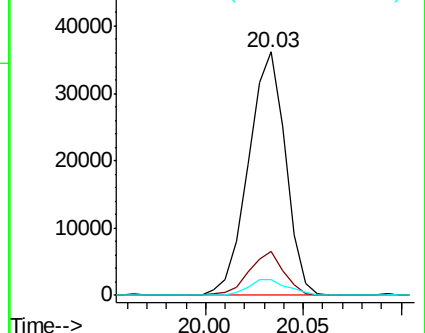
183 6.3 10.7 16.1#



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: 87.768 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044891.D

Acq: 19 Mar 2020 10:21

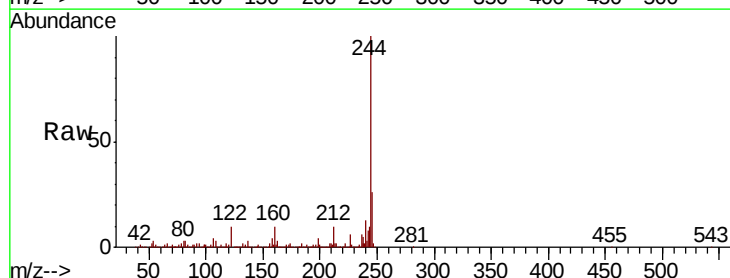
Tgt Ion:244 Resp: 2388532

Ion Ratio Lower Upper

244 100

212 10.2 7.7 11.5

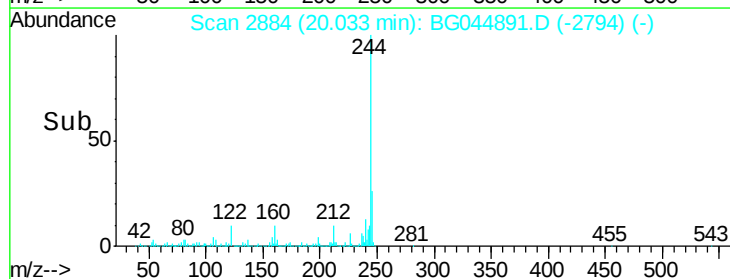
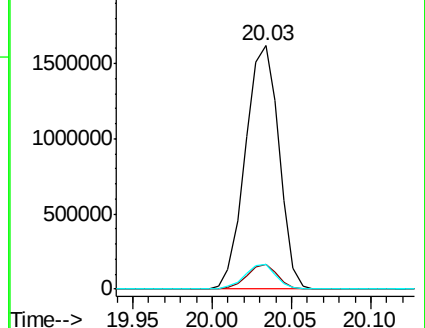
122 10.2 8.6 12.8

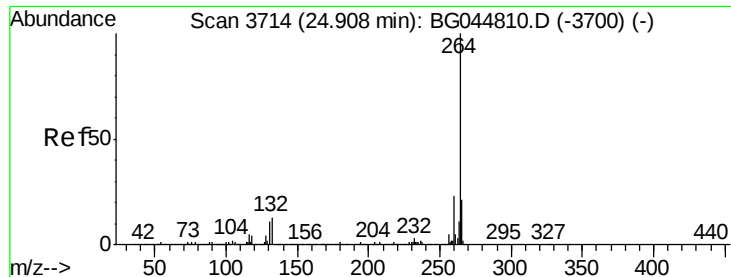


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

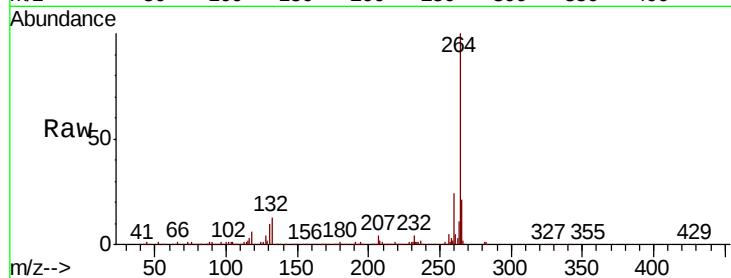




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3710
Delta R.T. -0.02 min
Lab File: BG044891.D
Acq: 19 Mar 2020 10:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.1	27.1
265	21.5	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

