

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031820\
 Data File : BG044889.D
 Acq On : 19 Mar 2020 9:02
 Operator : CG/JU
 Sample : PB127639BL
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 19 11:21:18 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	71669	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	285357	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	193610	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	485151	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	517680	20.00	ng	-0.02
87) Perylene-d12	24.89	264	526590	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	222783	48.39	ng	0.00
7) Phenol-d6	7.20	99	182221	27.24	ng	-0.01
23) Nitrobenzene-d5	9.20	82	534565	82.20	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	383712	151.36	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1158641	85.70	ng	0.00
79) Terphenyl-d14	20.03	244	2077697	75.07	ng	0.00

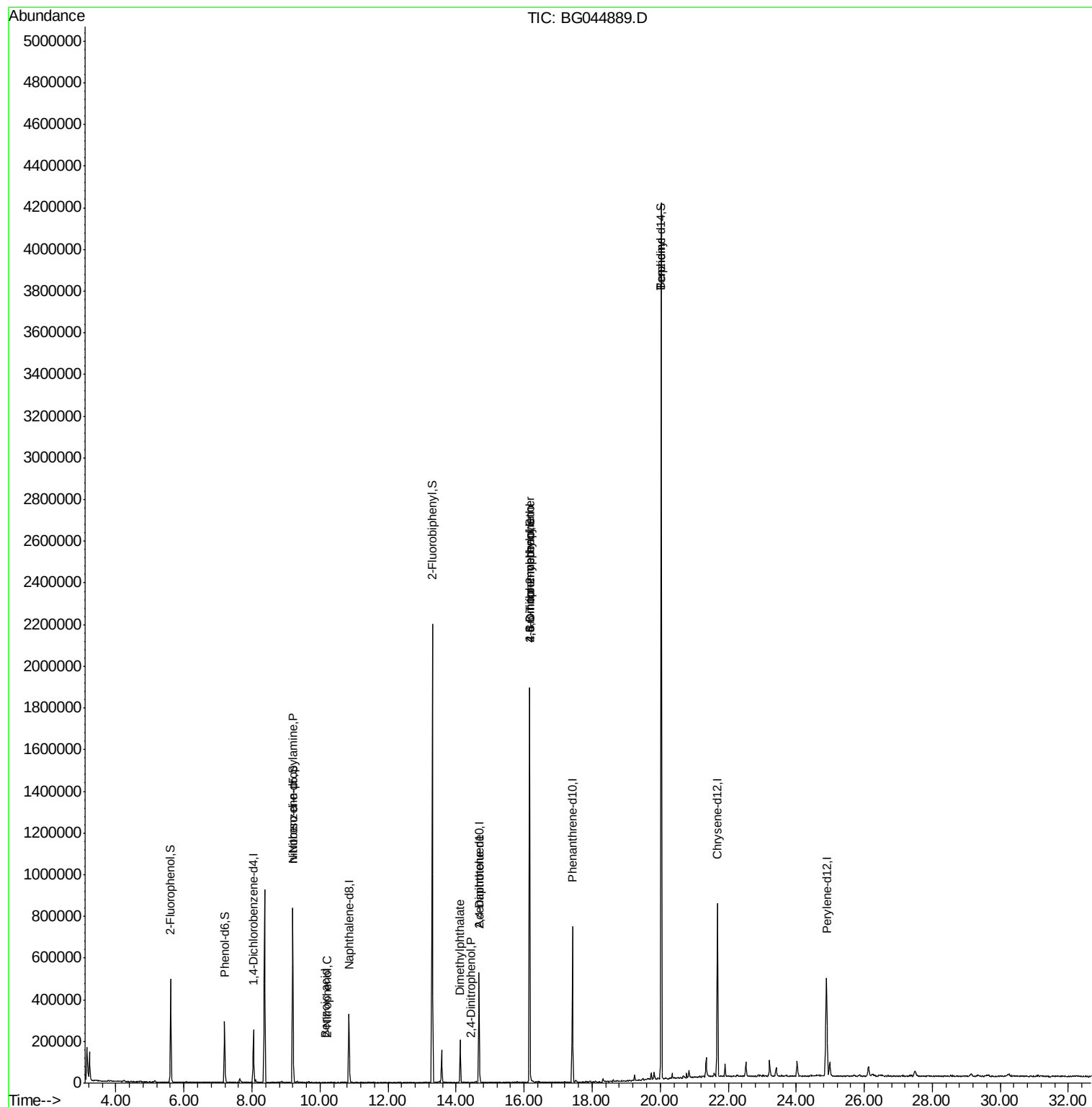
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.18	77	898	Below Cal		86
19) n-Nitroso-di-n-propylamine	9.19	70	70588	14.945	ng	# 73
26) 2-Nitrophenol	10.22	139	70	5.542	ng	# 28
32) Benzoic acid	10.14	122	109	9.697	ng	# 1
50) Dimethylphthalate	14.12	163	131280	8.514	ng	99
54) 2,4-Dinitrophenol	14.45	184	65	8.359	ng	# 21
57) 2,4-Dinitrotoluene	14.67	165	24896	5.840	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.16	198	1273	8.196	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	25659	4.231	ng	# 1
77) Benzidine	20.03	184	40178	2.391	ng	# 90

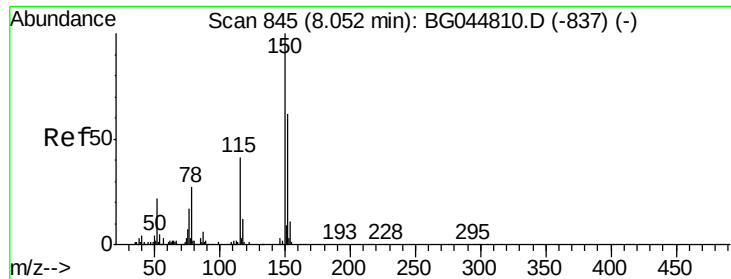
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031820\
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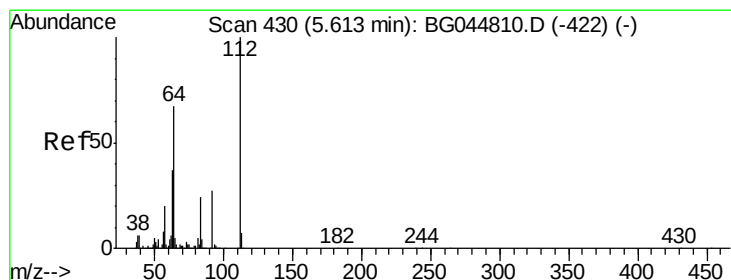
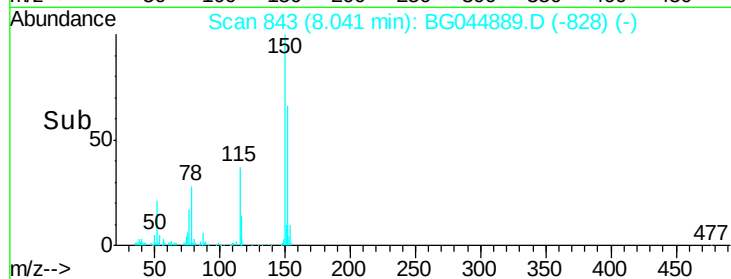
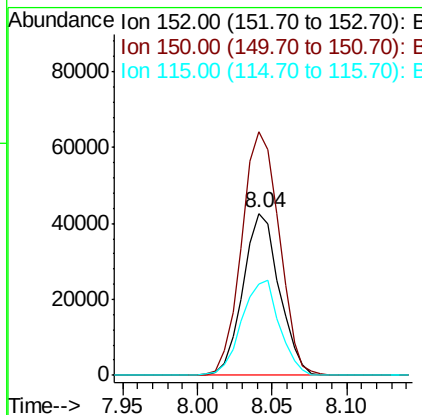
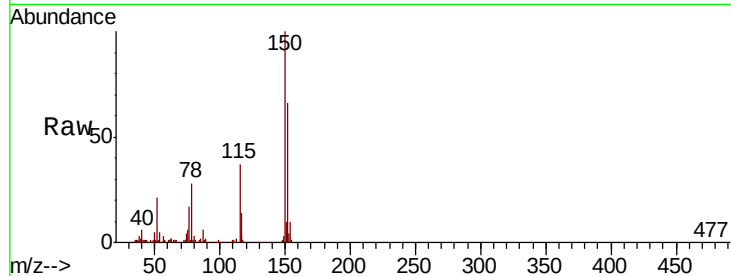


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.04 min Scan# 843
 Delta R.T. -0.01 min
 Lab File: BG044889.D
 Acq: 19 Mar 2020 9:02

Instrument :
 BNA_G
 ClientSampleId :

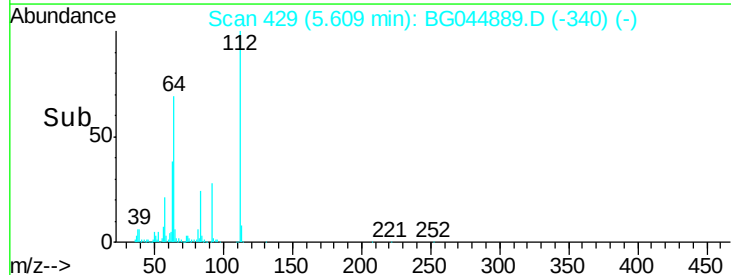
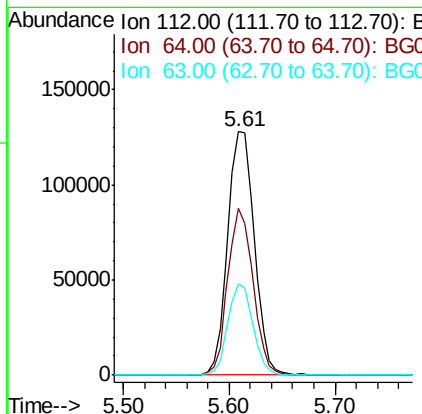
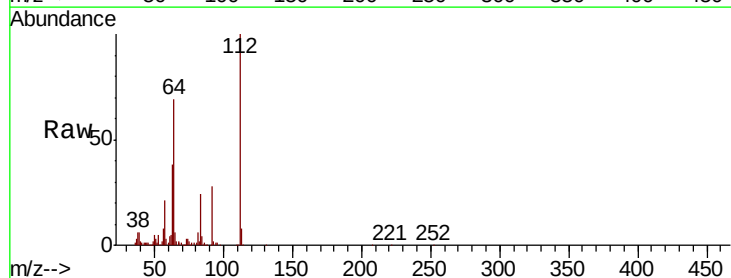
Tot Ion:152 Resp: 71669
 Ion Ratio Lower Upper
 152 100
 150 150.5 128.8 193.2
 115 56.2 52.6 79.0

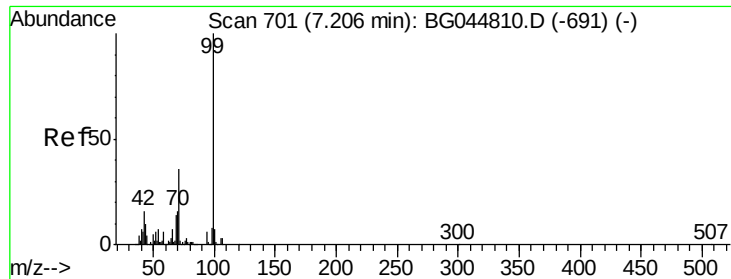


#5

2-Fluorophenol
 Concen: 48.390 ng
 RT: 5.61 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: BG044889.D
 Acq: 19 Mar 2020 9:02

Tgt Ion:112 Resp: 222783
 Ion Ratio Lower Upper
 112 100
 64 68.7 53.4 80.2
 63 37.8 29.4 44.2





#7

Phenol-d6

Concen: 27.241 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG044889.D

Acq: 19 Mar 2020 9:02

Instrument :

BNA_G

ClientSampleId :

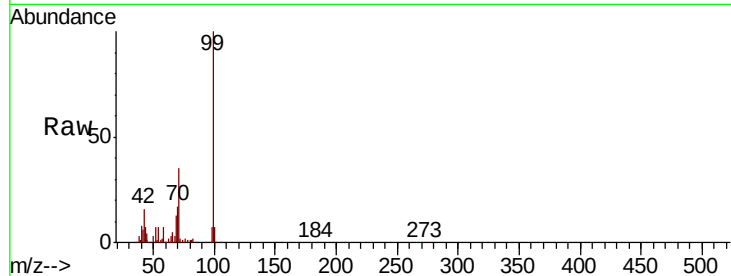
Tot Ion: 99 Resp: 182221

Ion Ratio Lower Upper

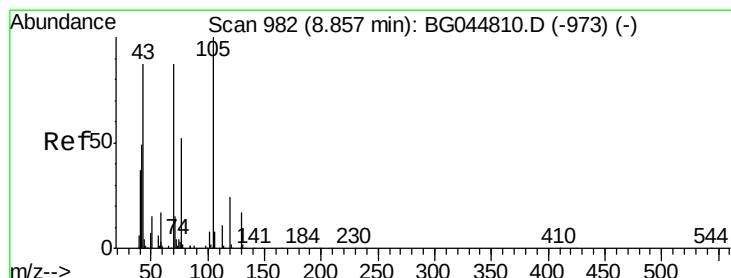
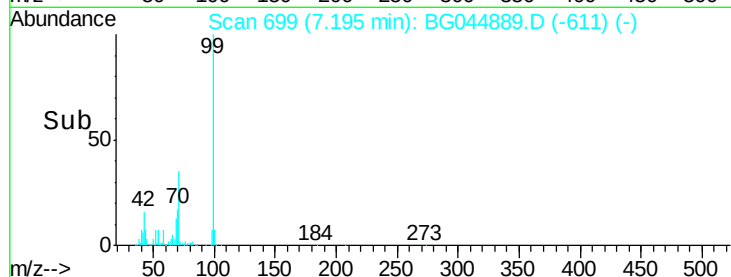
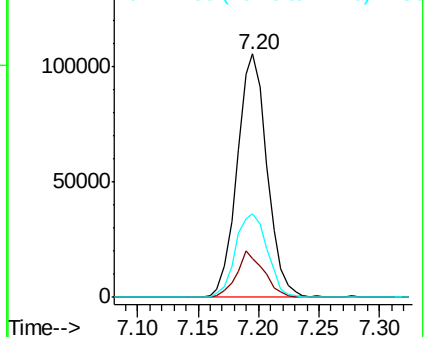
99 100

42 15.7 12.6 19.0

71 34.6 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: 14.945 ng

RT: 9.19 min Scan# 1039

Delta R.T. 0.34 min

Lab File: BG044889.D

Acq: 19 Mar 2020 9:02

Tgt Ion: 70 Resp: 70588

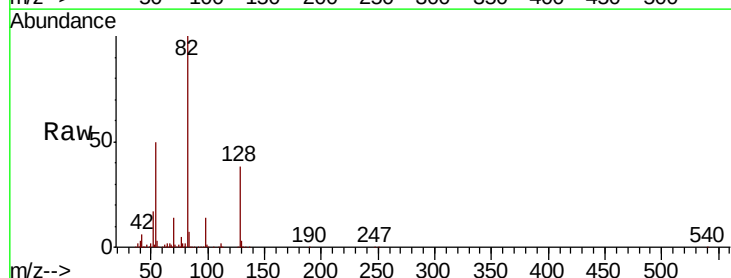
Ion Ratio Lower Upper

70 100

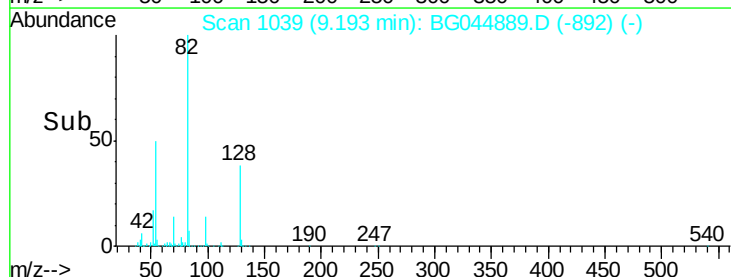
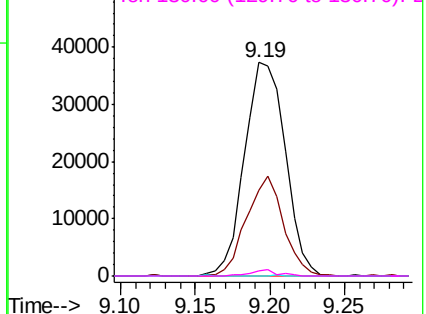
42 39.9 45.7 68.5#

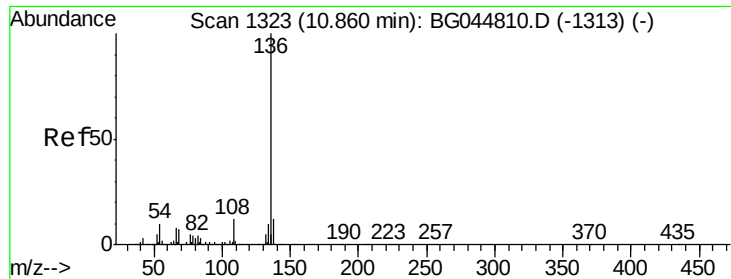
101 0.0 7.4 11.2#

130 2.5 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

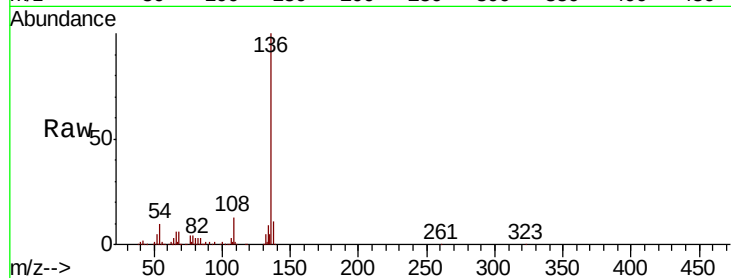




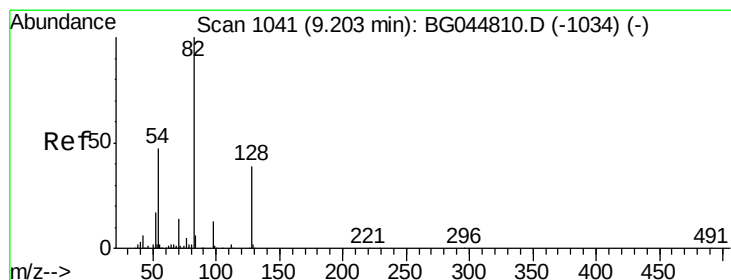
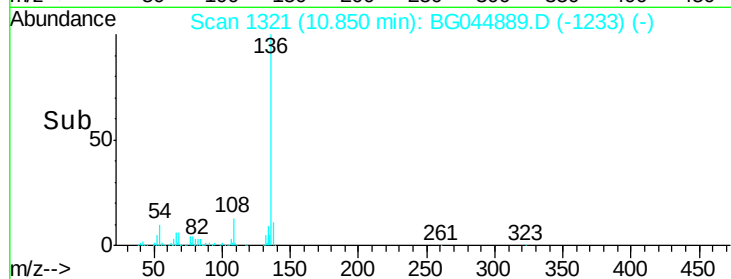
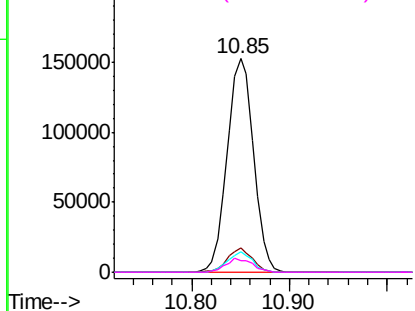
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044889.D
Acq: 19 Mar 2020 9:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	285357
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.8 14.6
54	9.8	7.9 11.9
68	5.6	5.4 8.0

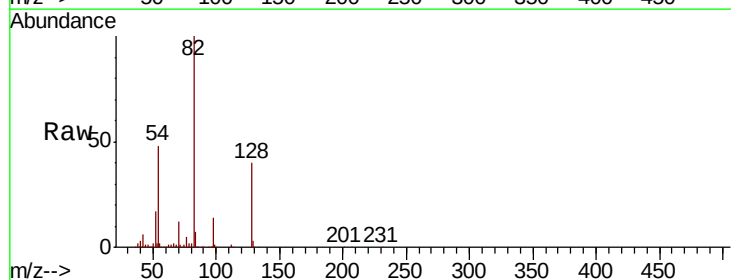


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

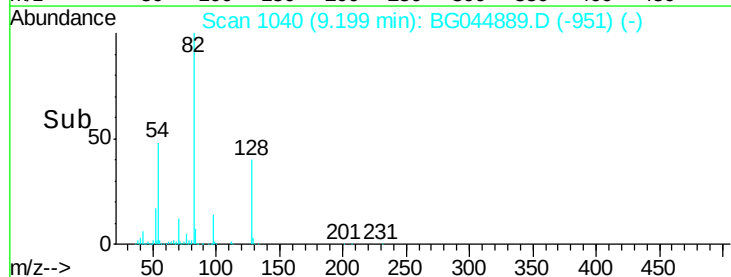
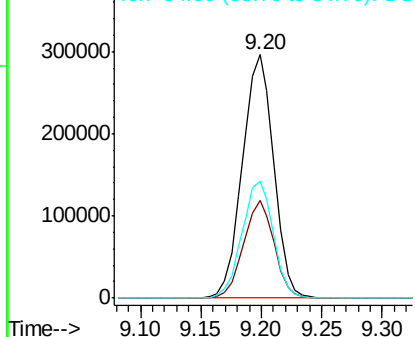


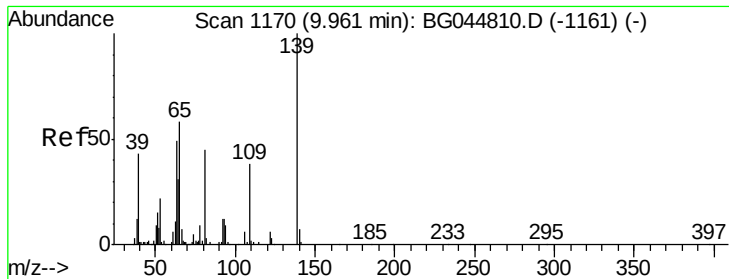
#23
Nitrobenzene-d5
Concen: 82.204 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044889.D
Acq: 19 Mar 2020 9:02

Tgt Ion: 82	Resp:	534565
Ion Ratio	Lower	Upper
82	100	
128	40.4	30.6 46.0
54	48.2	37.1 55.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

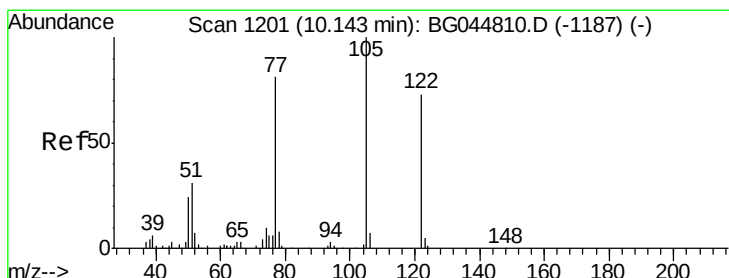
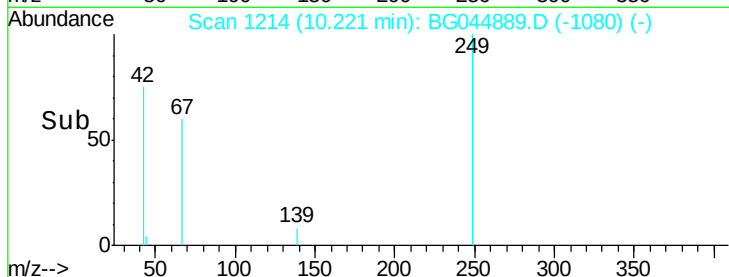
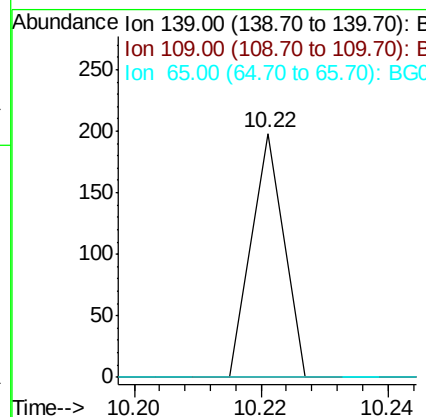
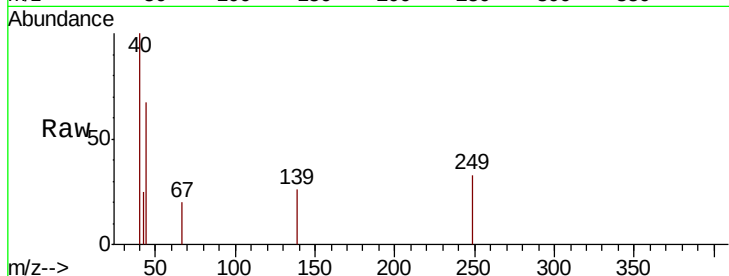




#26
2-Nitrophenol
Concen: 5.542 ng
RT: 10.22 min Scan# 1214
Delta R.T. 0.26 min
Lab File: BG044889.D
Acq: 19 Mar 2020 9:02

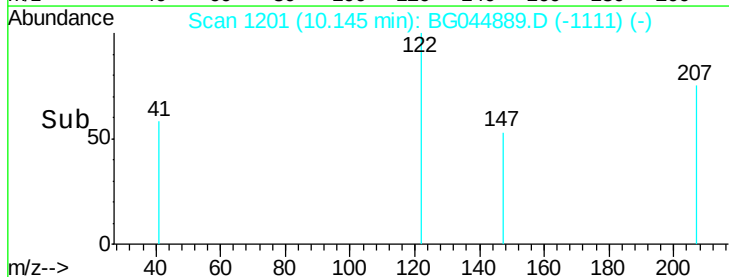
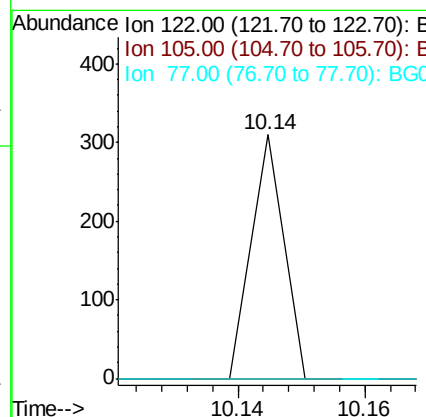
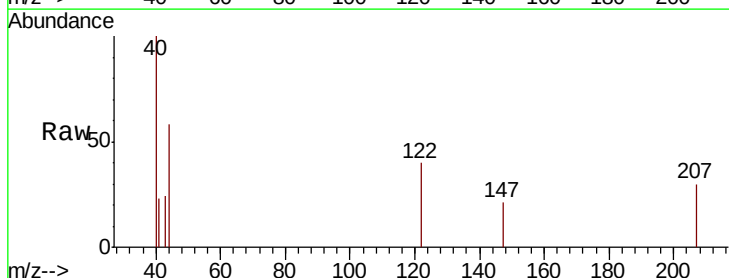
Instrument :
BNA_G
ClientSampleId :

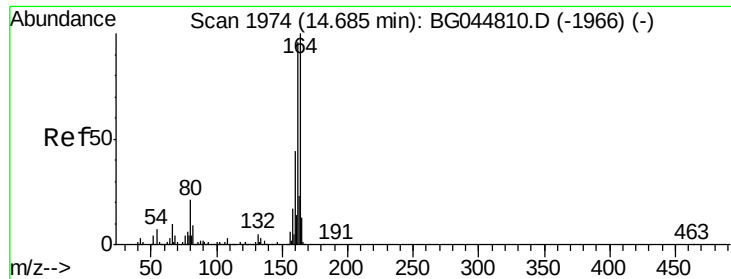
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



#32
Benzoic acid
Concen: 9.697 ng
RT: 10.14 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BG044889.D
Acq: 19 Mar 2020 9:02

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: BG044889.D

Acq: 19 Mar 2020 9:02

Instrument :

BNA_G

ClientSampleId :

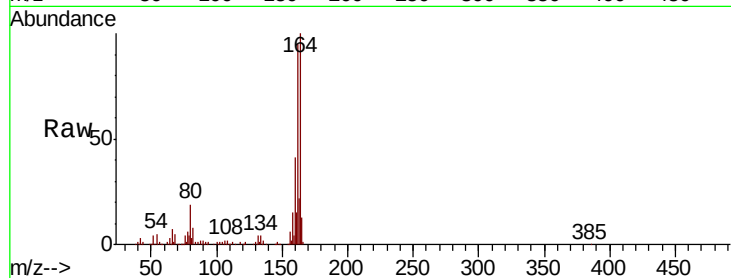
Tot Ion:164 Resp: 193610

Ion Ratio Lower Upper

164 100

162 94.8 76.7 115.1

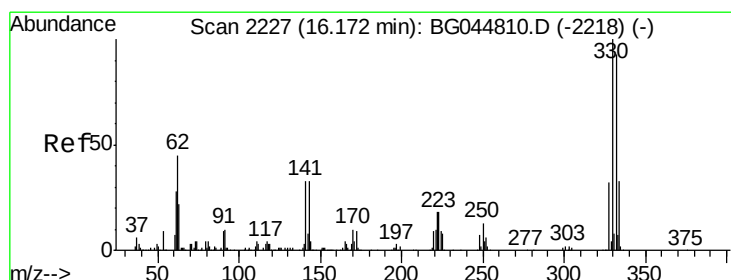
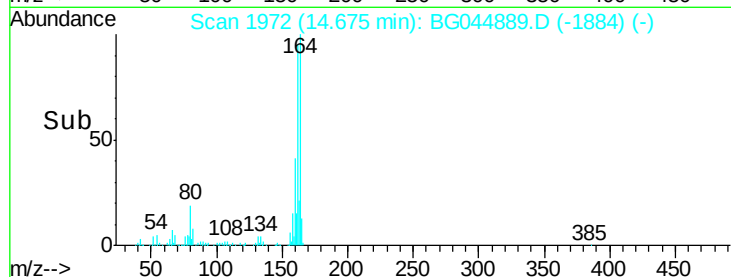
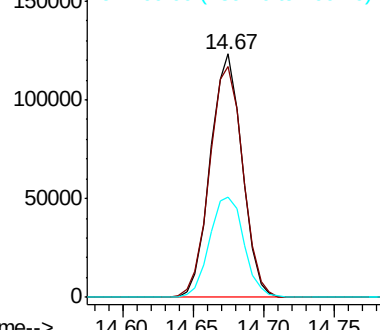
160 41.3 35.0 52.4



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: 151.364 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044889.D

Acq: 19 Mar 2020 9:02

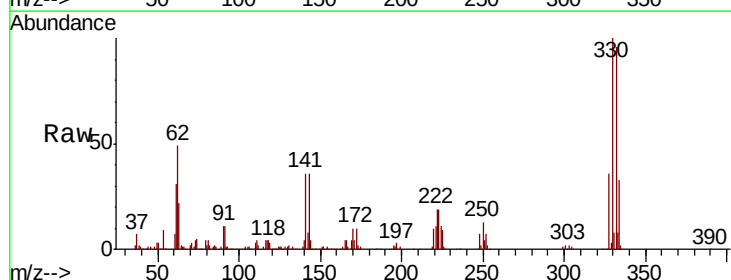
Tgt Ion:330 Resp: 383712

Ion Ratio Lower Upper

330 100

332 96.2 77.8 116.6

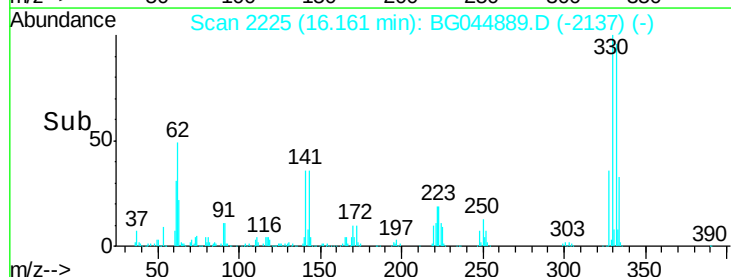
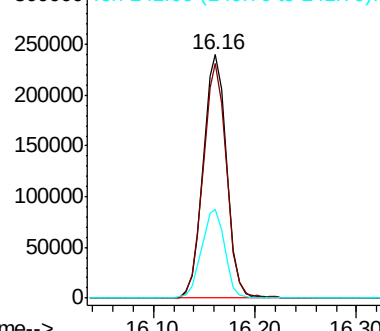
141 36.2 29.5 44.3

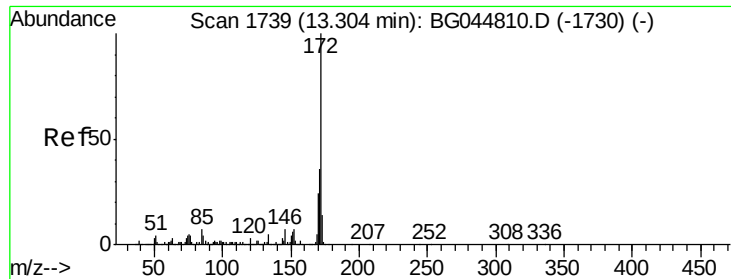


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

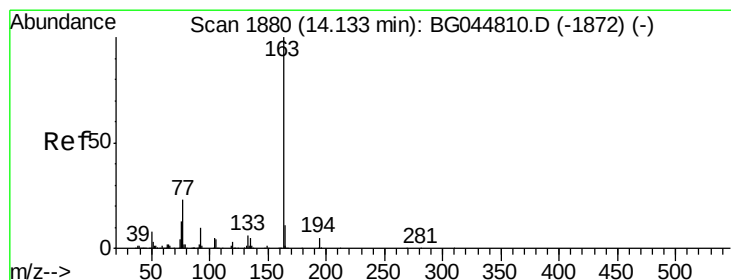
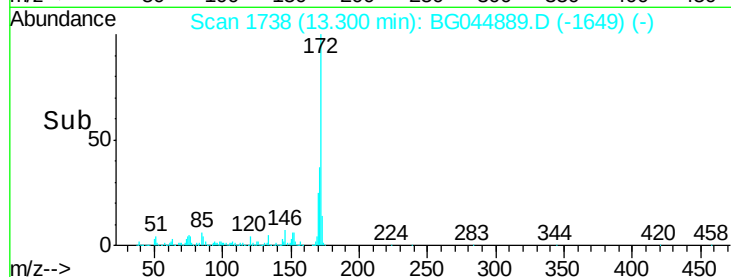
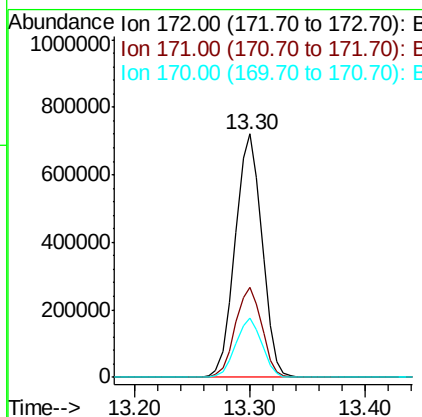
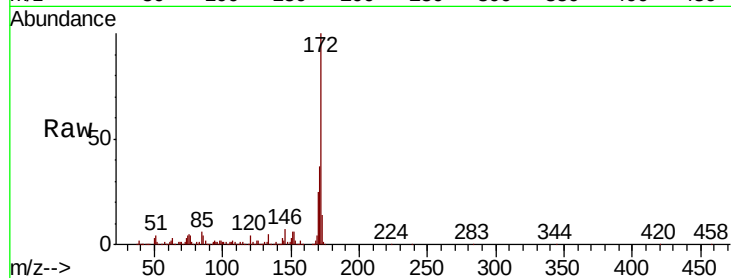




#45
2-Fluorobiphenyl
Concen: 85.699 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.00 min
Lab File: BG044889.D
Acq: 19 Mar 2020 9:02

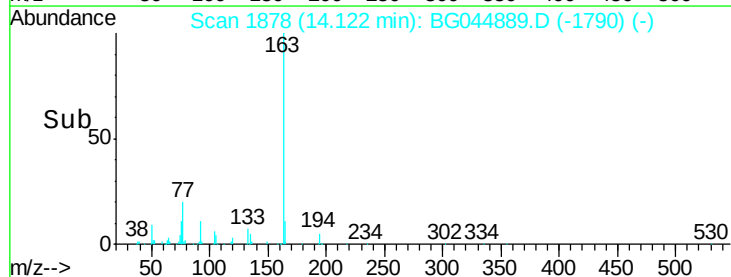
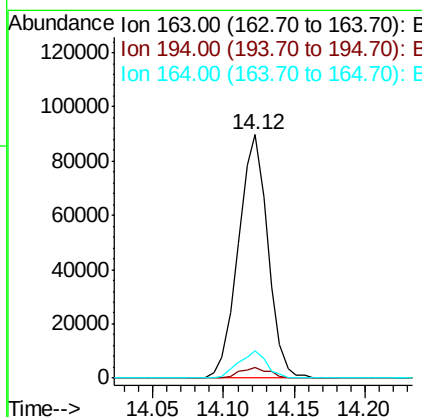
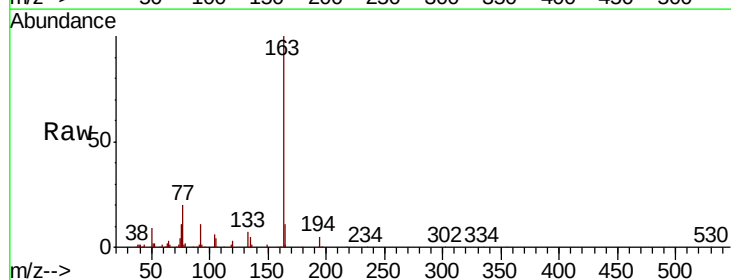
Instrument :
BNA_G
ClientSampled :

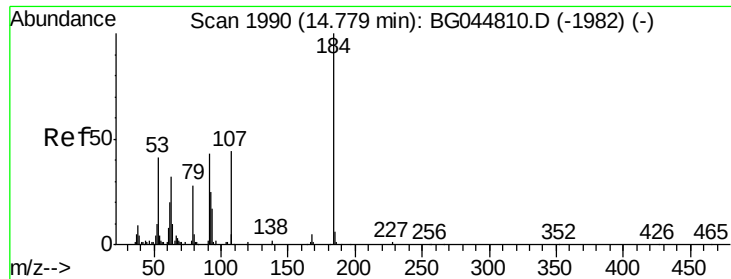
Tot Ion:172 Resp: 1158641
Ion Ratio Lower Upper
172 100
171 36.9 28.7 43.1
170 24.5 19.0 28.6



#50
Dimethylphthalate
Concen: 8.514 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044889.D
Acq: 19 Mar 2020 9:02

Tgt Ion:163 Resp: 131280
Ion Ratio Lower Upper
163 100
194 4.5 3.7 5.5
164 11.1 9.1 13.7

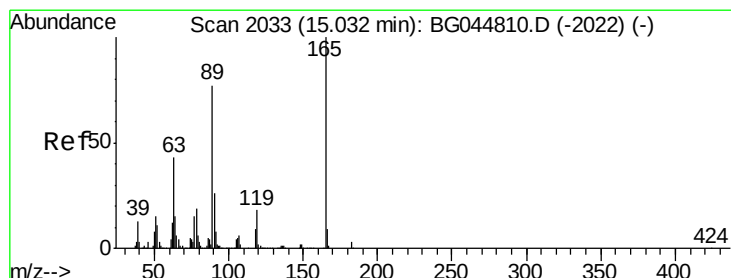
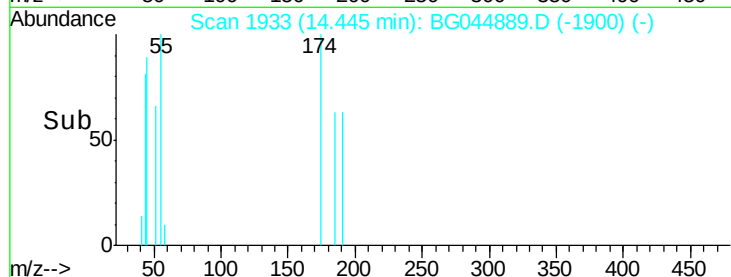
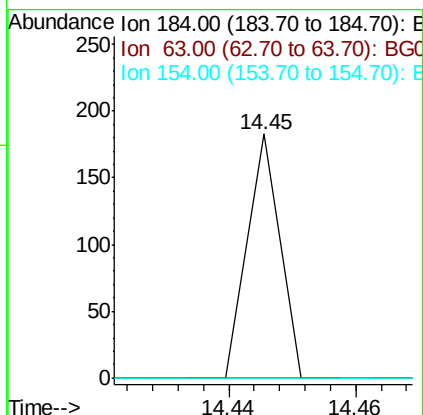
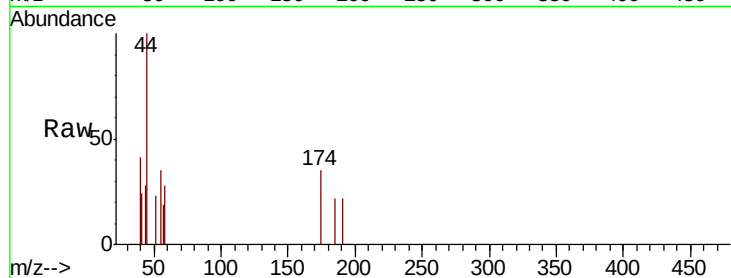




#54
 2,4-Dinitrophenol
 Concen: 8.359 ng
 RT: 14.45 min Scan# 1933
 Delta R.T. -0.33 min
 Lab File: BG044889.D
 Acq: 19 Mar 2020 9:02

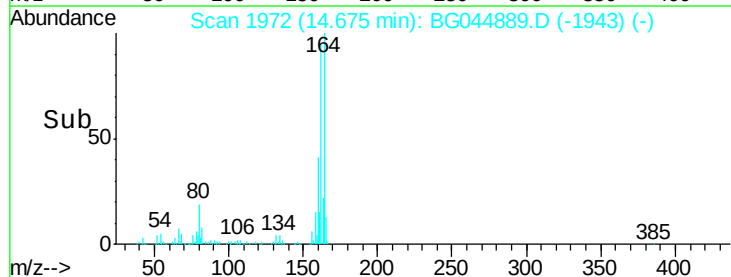
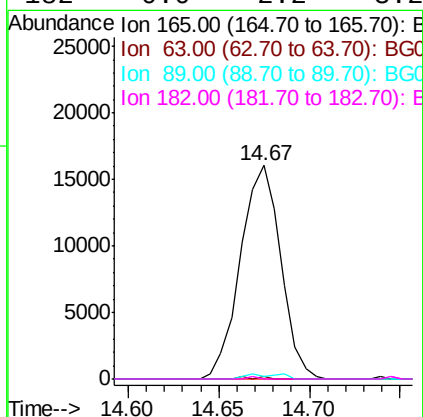
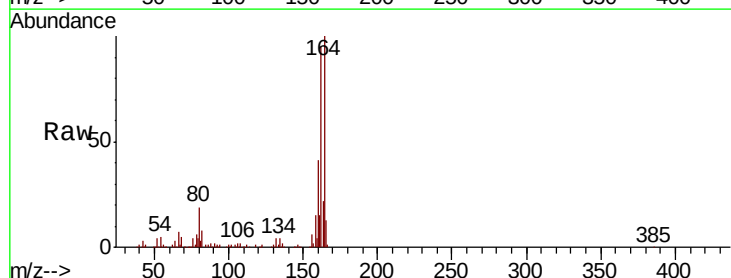
Instrument :
 BNA_G
 ClientSampled :

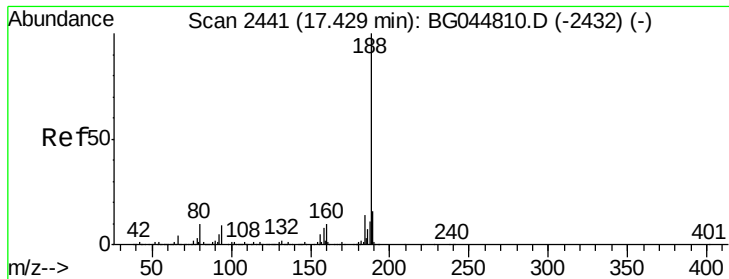
Tot Ion:184 Resp: 65
 Ion Ratio Lower Upper
 184 100
 63 0.0 45.5 68.3#
 154 0.0 49.1 73.7#



#57
 2,4-Dinitrotoluene
 Concen: 5.840 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.36 min
 Lab File: BG044889.D
 Acq: 19 Mar 2020 9:02

Tgt Ion:165 Resp: 24896
 Ion Ratio Lower Upper
 165 100
 63 1.3 34.6 52.0#
 89 1.3 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: BG044889.D

Acq: 19 Mar 2020 9:02

Instrument :

BNA_G

ClientSampleId :

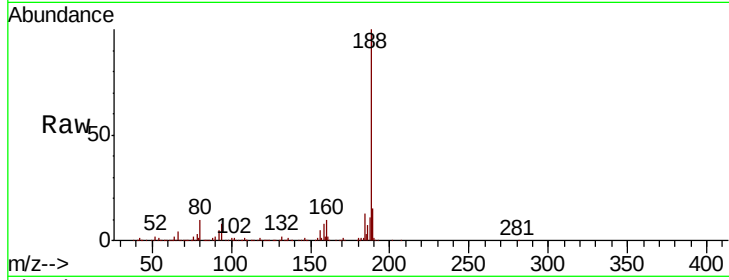
Tot Ion:188 Resp: 485151

Ion Ratio Lower Upper

188 100

94 7.6 7.3 10.9

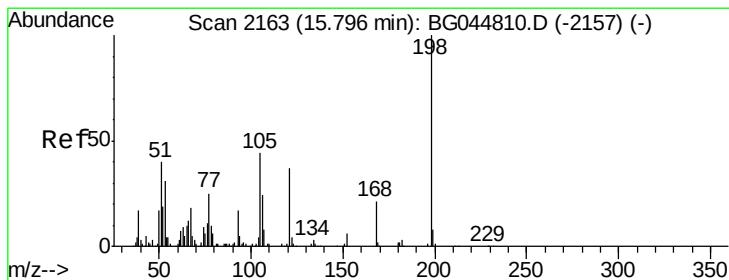
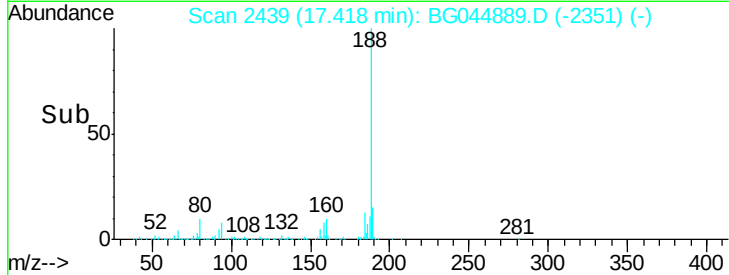
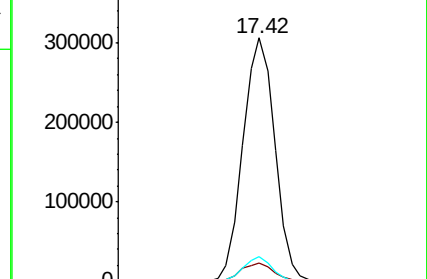
80 10.0 8.0 12.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 8.196 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.36 min

Lab File: BG044889.D

Acq: 19 Mar 2020 9:02

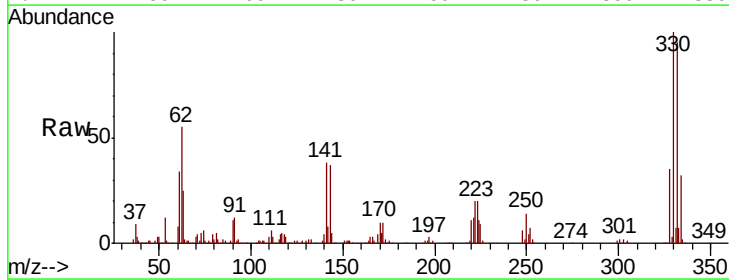
Tgt Ion:198 Resp: 1273

Ion Ratio Lower Upper

198 100

51 69.5 21.1 61.1#

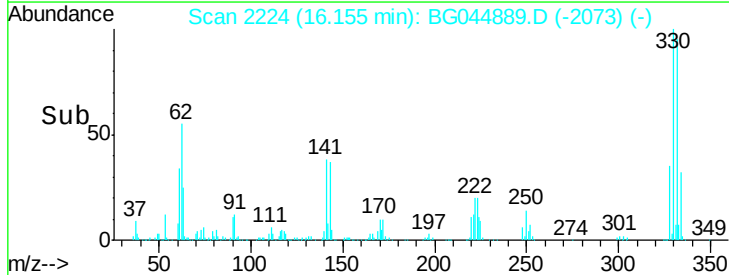
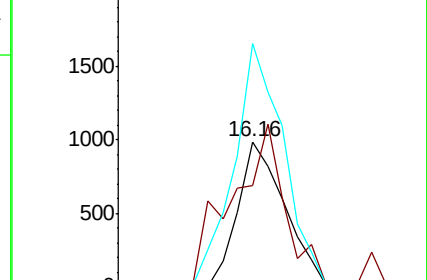
105 167.3 24.5 64.5#

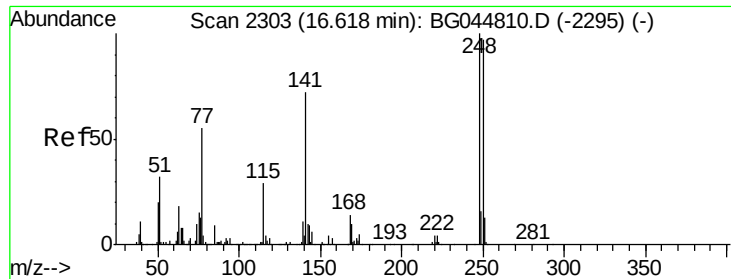


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

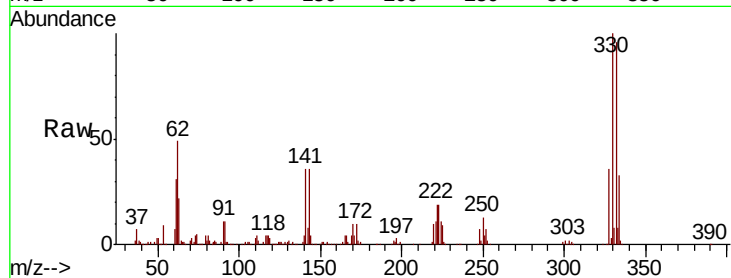




#67
4-Bromophenyl-phenylether
Concen: 4.231 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.46 min
Lab File: BG044889.D
Acq: 19 Mar 2020 9:02

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	196.1	77.9	116.9#
141	539.5	57.5	86.3#

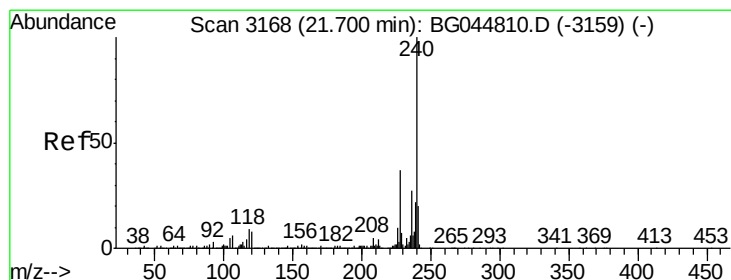
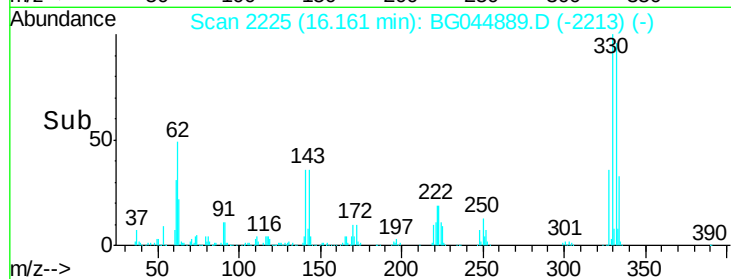
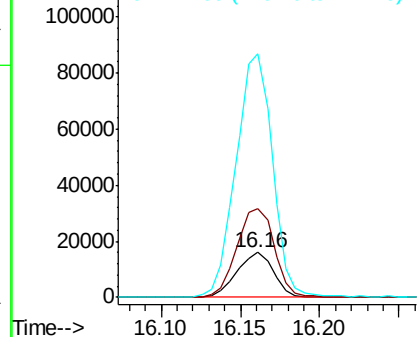


Abundance

Ion 248.00 (247.70 to 248.70): E

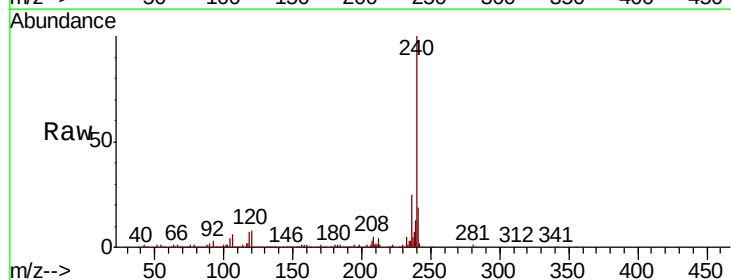
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.02 min
Lab File: BG044889.D
Acq: 19 Mar 2020 9:02

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.7	10.1
236	24.6	21.5	32.3

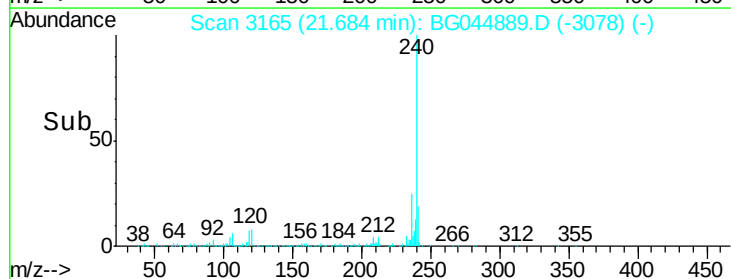
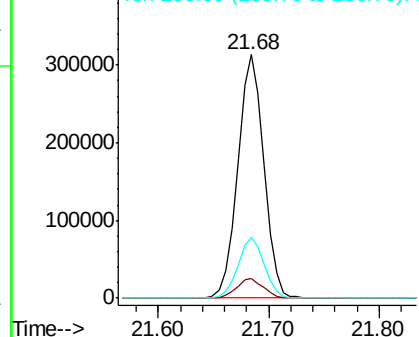


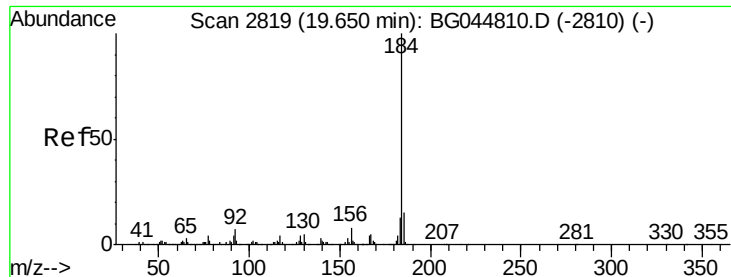
Abundance

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

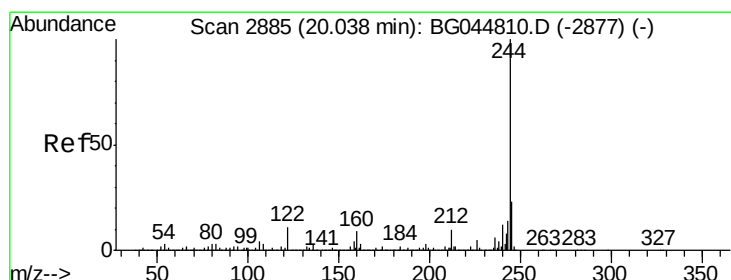
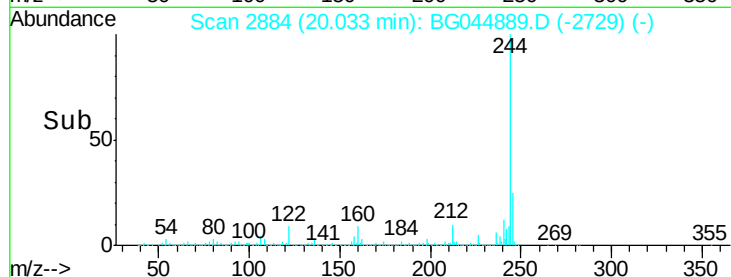
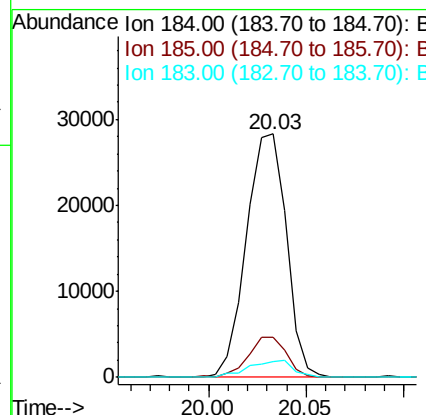
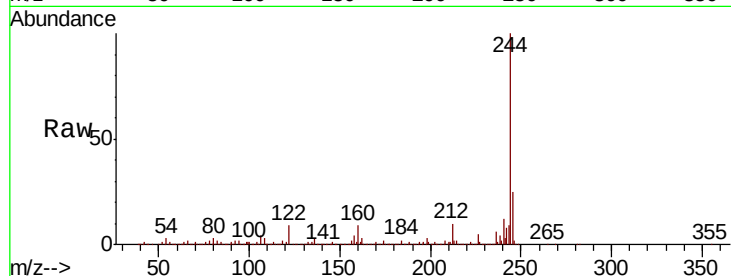




#77
Benzidine
Concen: 2.391 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.38 min
Lab File: BG044889.D
Acq: 19 Mar 2020 9:02

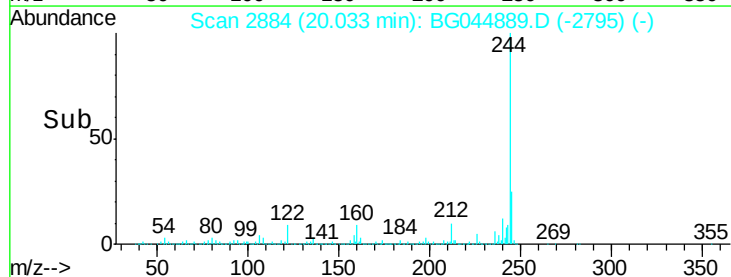
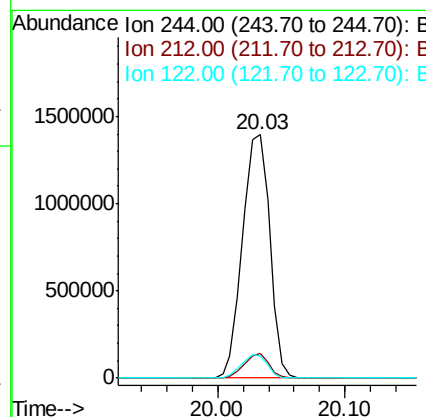
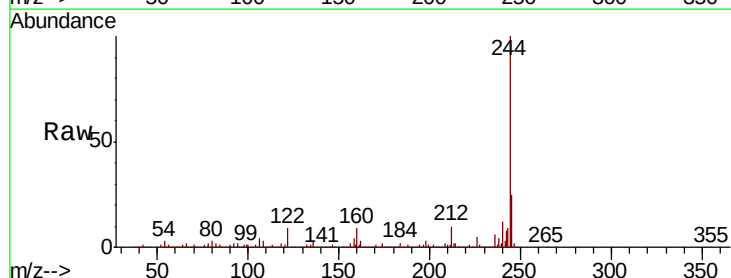
Instrument :
BNA_G
ClientSampleId :

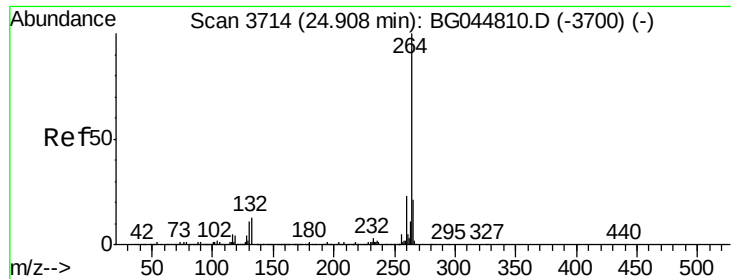
Tot Ion:184 Resp: 40178
Ion Ratio Lower Upper
184 100
185 16.5 12.2 18.4
183 6.5 10.7 16.1#



#79
Terphenyl-d14
Concen: 75.074 ng
RT: 20.03 min Scan# 2884
Delta R.T. -0.00 min
Lab File: BG044889.D
Acq: 19 Mar 2020 9:02

Tgt Ion:244 Resp: 2077697
Ion Ratio Lower Upper
244 100
212 9.9 7.7 11.5
122 9.2 8.6 12.8





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3710
Delta R.T. -0.02 min
Lab File: BG044889.D
Acq: 19 Mar 2020 9:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.1	27.1
265	22.1	17.1	25.7

