

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045069.D
 Acq On : 18 Apr 2020 16:23
 Operator : CG/JU
 Sample : L2271-13
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BG-10

Quant Time: Apr 20 00:17:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 11:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	57577	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	255452	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	201830	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	490158	20.00	ng	0.00
76) Chrysene-d12	21.66	240	439767	20.00	ng	0.00
87) Perylene-d12	24.85	264	474791	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	388339	111.35	ng	0.00
7) Phenol-d6	7.18	99	597620	115.34	ng	0.00
23) Nitrobenzene-d5	9.18	82	398765	71.23	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	366972	117.69	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1015938	73.81	ng	0.00
79) Terphenyl-d14	20.01	244	1689310	83.73	ng	0.00

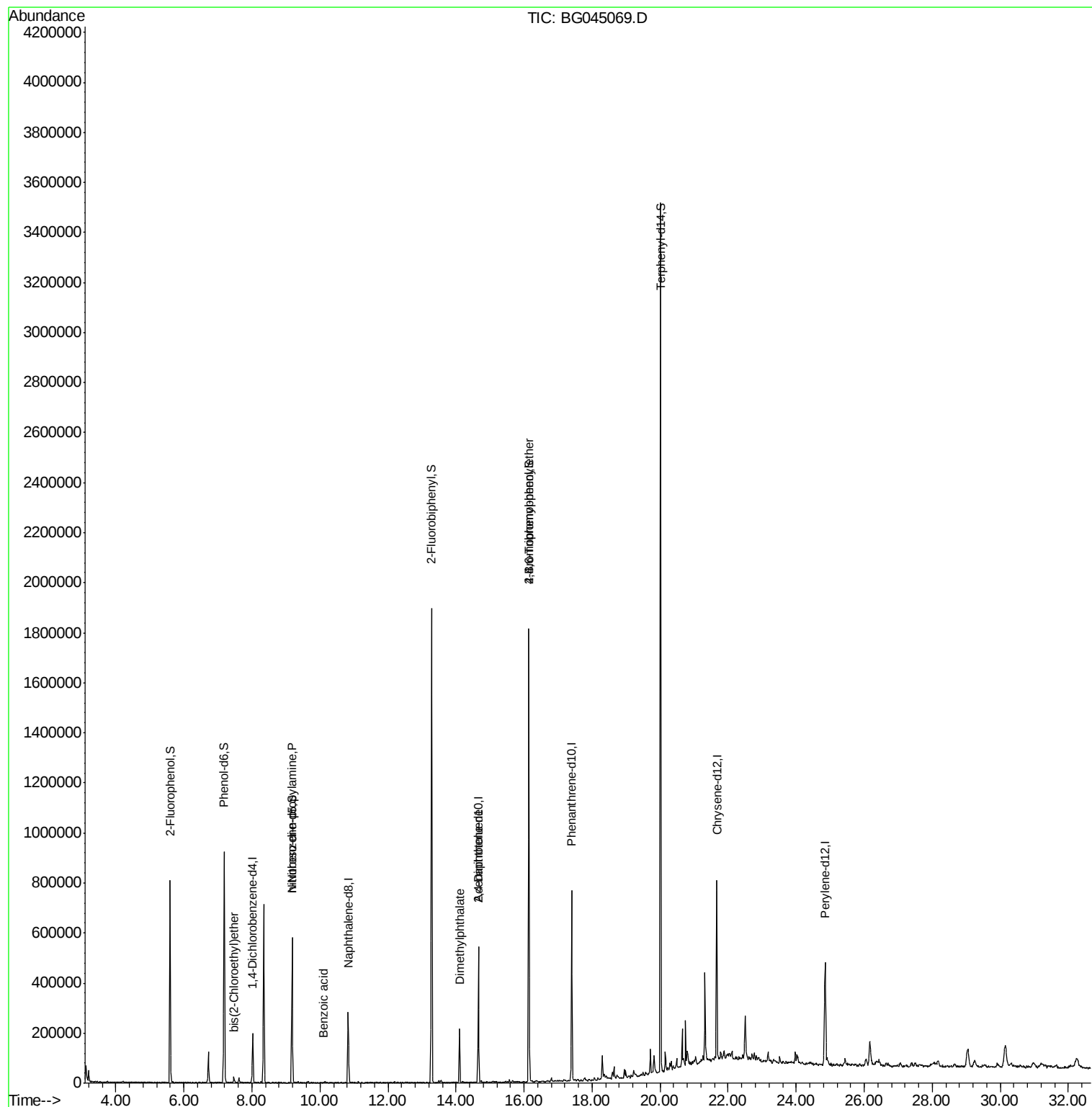
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.15	77	961	Below Cal	#	83
11) bis(2-Chloroethyl)ether	7.47	93	9537	2.310	ng	# 24
19) n-Nitroso-di-n-propylamine	9.18	70	52682	14.377	ng	# 76
32) Benzoic acid	10.10	122	104	6.402	ng	# 1
50) Dimethylphthalate	14.10	163	139706	8.501	ng	97
57) 2,4-Dinitrotoluene	14.66	165	26610	4.954	ng	# 24
67) 4-Bromophenyl-phenylether	16.14	248	25097	3.969	ng	# 1
69) Atrazine	16.85	200	58	Below Cal	#	35
74) Di-n-butylphthalate	18.36	149	1263	Below Cal	#	76
75) Fluoranthene	19.45	202	3328	Below Cal		95
77) Benzydine	20.01	184	33761	Below Cal	#	89

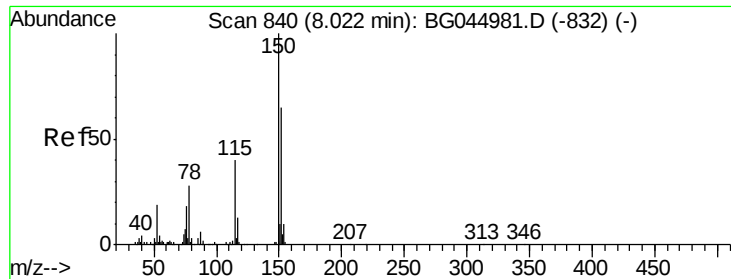
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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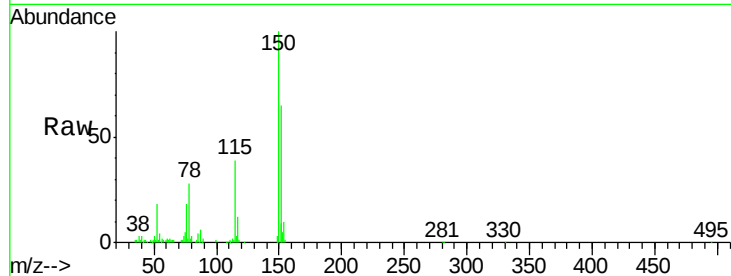


#1

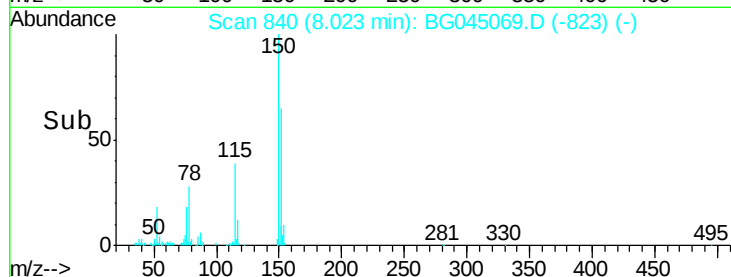
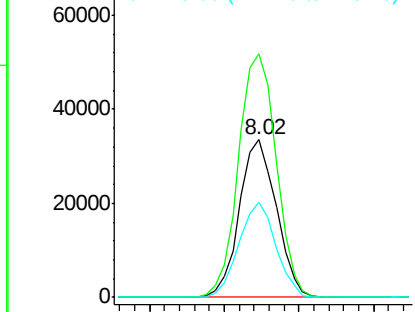
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: BG045069.D
 Acq: 18 Apr 2020 16:23

Instrument :
 BNA_G
 ClientSampleId :
 BG-10

Tot Ion	152	Resp	57577
Ion Ratio	Lower	Upper	
152	100		
150	154.4	123.6	185.4
115	60.2	49.1	73.7



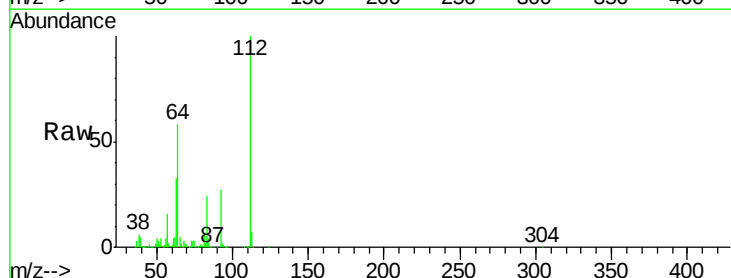
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



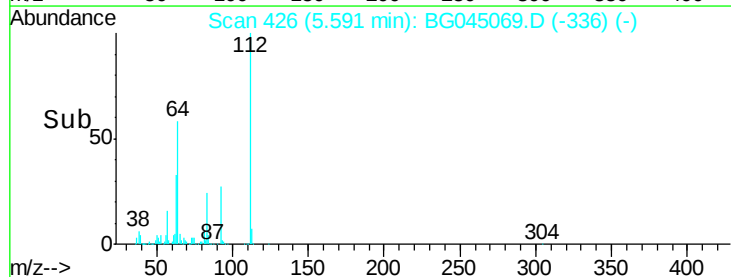
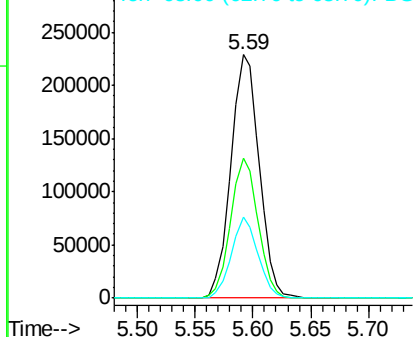
#5

2-Fluorophenol
 Concen: 111.351 ng
 RT: 5.59 min Scan# 426
 Delta R.T. -0.00 min
 Lab File: BG045069.D
 Acq: 18 Apr 2020 16:23

Tgt Ion	112	Resp	388339
Ion Ratio	Lower	Upper	
112	100		
64	57.5	42.4	63.6
63	33.2	23.1	34.7



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: 115.336 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG045069.D

Acq: 18 Apr 2020 16:23

Instrument :

BNA_G

ClientSampleId :

BG-10

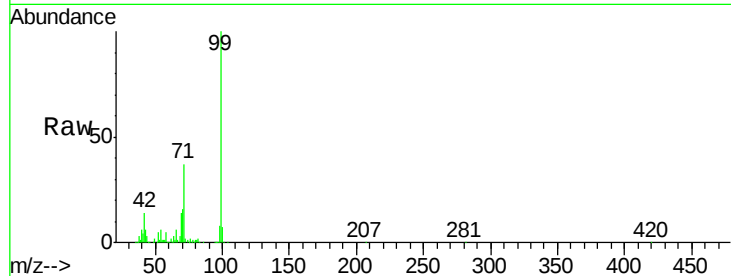
Tot Ion: 99 Resp: 597620

Ion Ratio Lower Upper

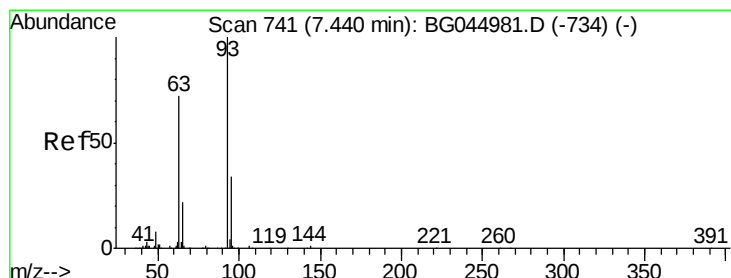
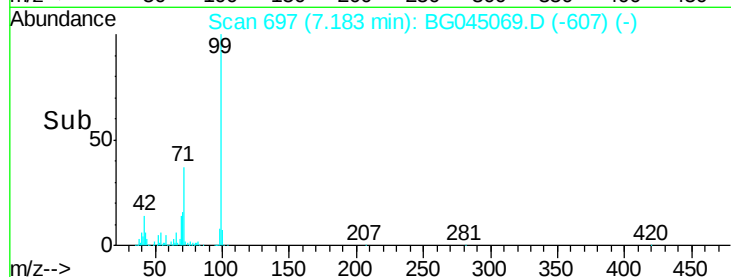
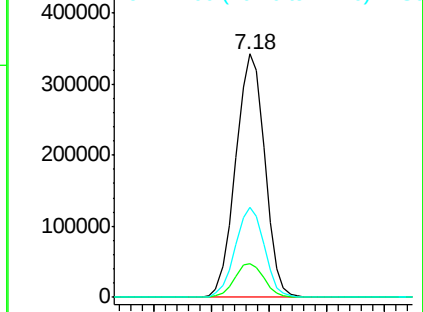
99 100

42 13.9 11.3 16.9

71 36.8 28.3 42.5



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



#11

bis(2-Chloroethyl)ether

Concen: 2.310 ng

RT: 7.47 min Scan# 746

Delta R.T. 0.03 min

Lab File: BG045069.D

Acq: 18 Apr 2020 16:23

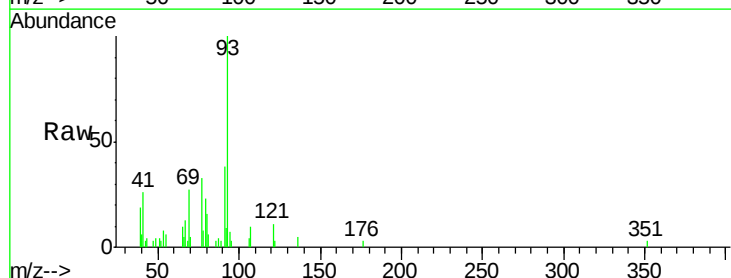
Tgt Ion: 93 Resp: 9537

Ion Ratio Lower Upper

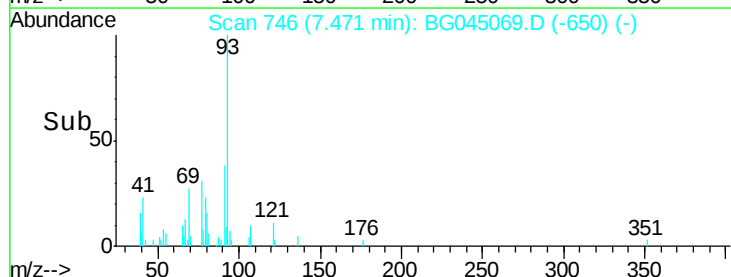
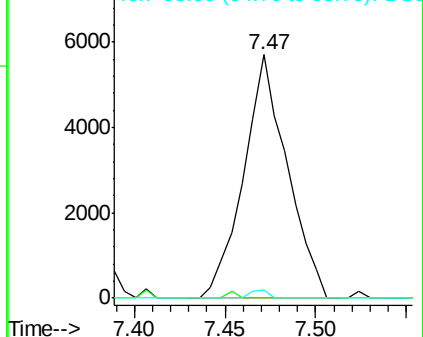
93 100

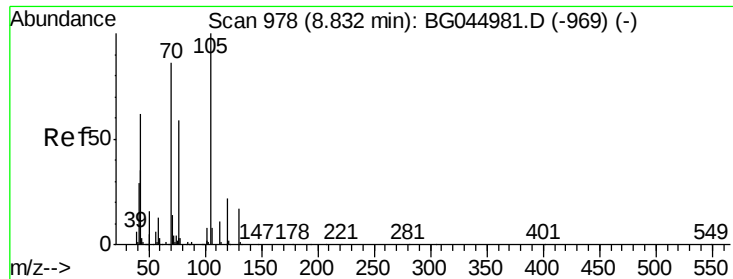
63 0.0 51.8 91.8#

95 3.1 13.8 53.8#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

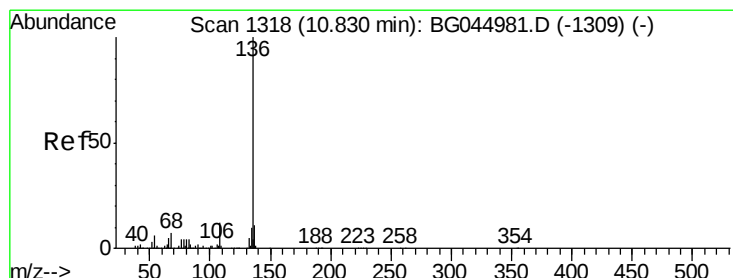
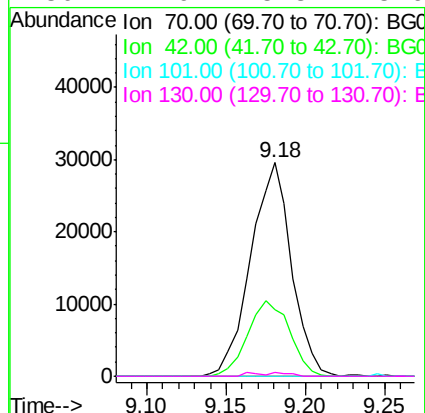
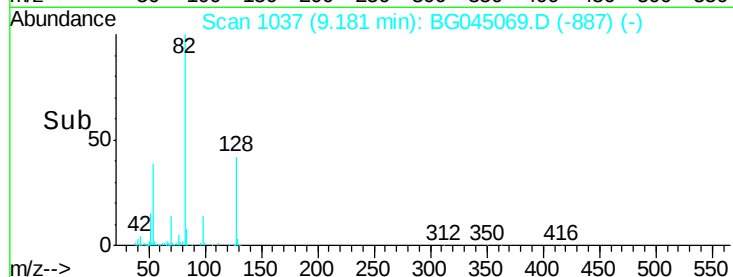
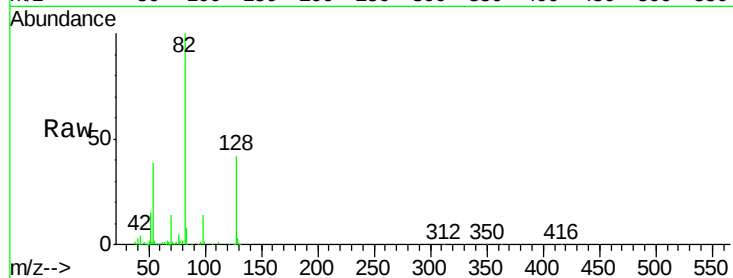




#19
n-Nitroso-di-n-propylamine
Concen: 14.377 ng
RT: 9.18 min Scan# 1037
Delta R.T. 0.35 min
Lab File: BG045069.D
Acq: 18 Apr 2020 16:23

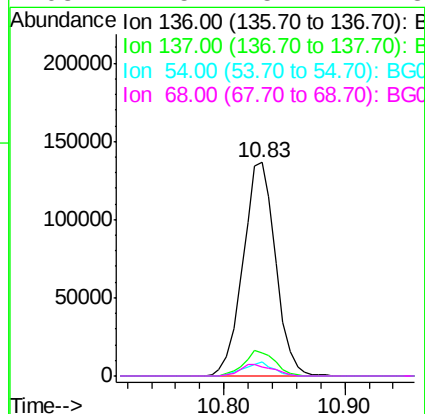
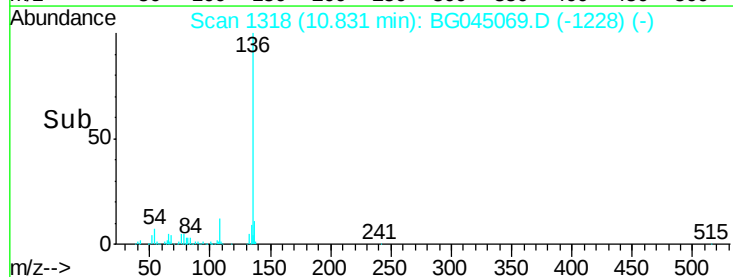
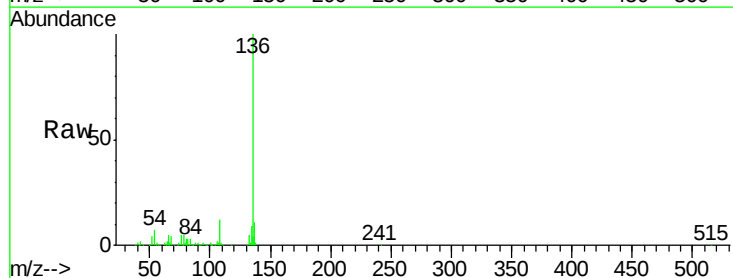
Instrument :
BNA_G
ClientSampleId :
BG-10

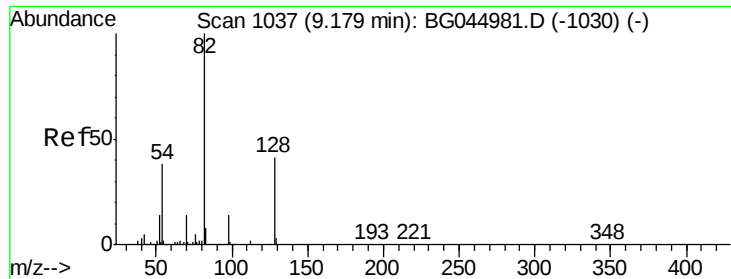
Tot Ion: 70 Resp: 52682
Ion Ratio Lower Upper
70 100
42 31.1 33.3 49.9#
101 0.0 7.8 11.8#
130 1.9 15.8 23.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG045069.D
Acq: 18 Apr 2020 16:23

Tgt Ion: 136 Resp: 255452
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 6.8 4.8 7.2
68 4.5 5.2 7.8#

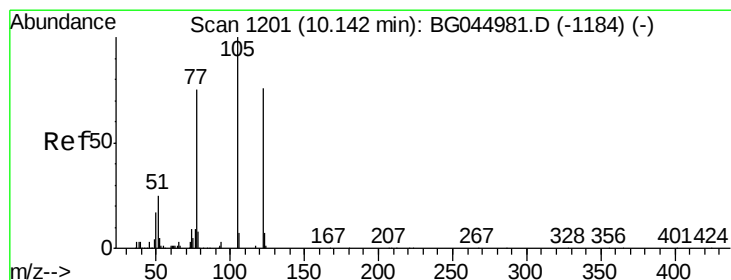
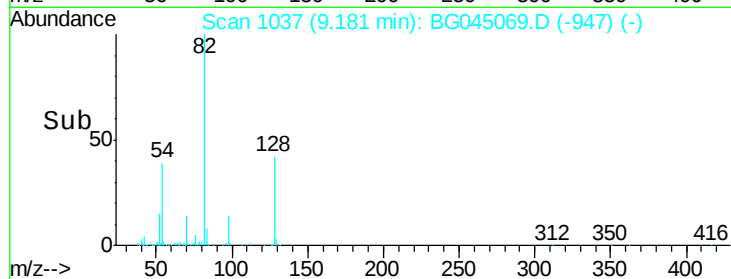
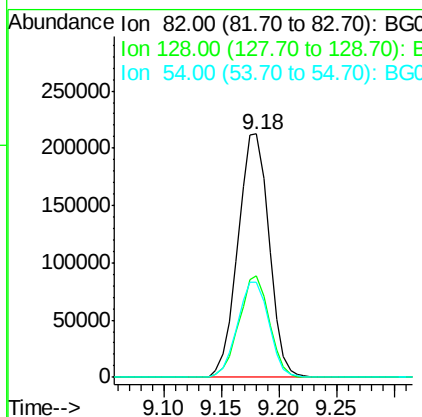
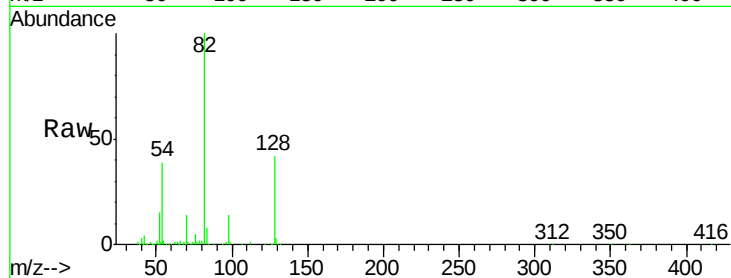




#23
 Nitrobenzene-d5
 Concen: 71.227 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: BG045069.D
 Acq: 18 Apr 2020 16:23

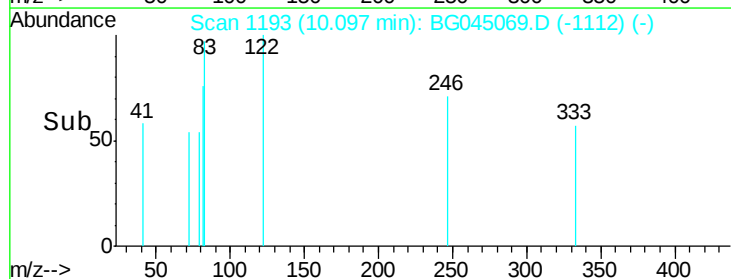
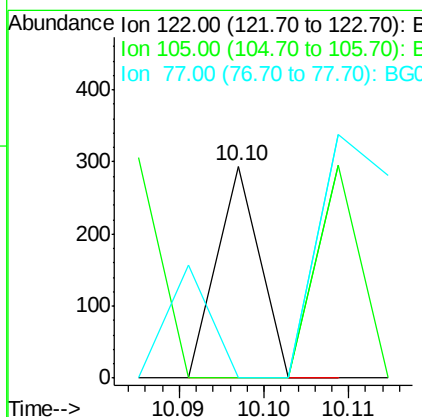
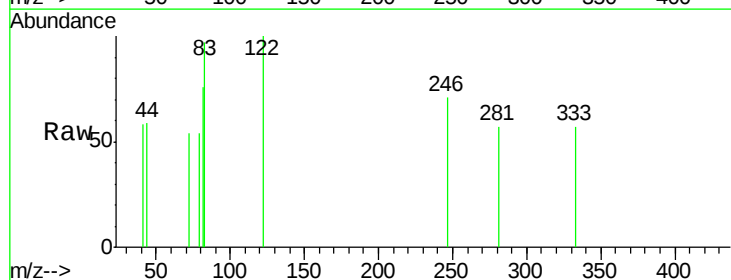
Instrument :
 BNA_G
 ClientSampleId :
 BG-10

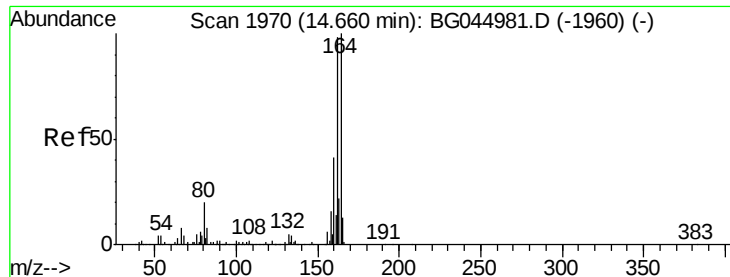
Tot Ion	82	Resp	398765
Ion Ratio	Lower	Upper	
82	100		
128	41.7	33.0	49.4
54	39.2	30.4	45.6



#32
 Benzoic acid
 Concen: 6.402 ng
 RT: 10.10 min Scan# 1193
 Delta R.T. -0.05 min
 Lab File: BG045069.D
 Acq: 18 Apr 2020 16:23

Tgt Ion	122	Resp	104
Ion Ratio	Lower	Upper	
122	100		
105	0.0	108.4	148.4#
77	0.0	78.8	118.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG045069.D

Acq: 18 Apr 2020 16:23

Instrument :

BNA_G

ClientSampleId :

BG-10

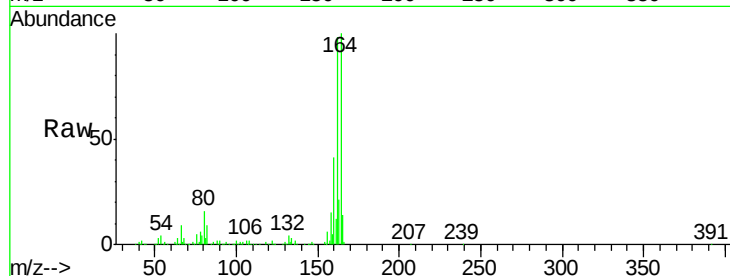
Tot Ion:164 Resp: 201830

Ion Ratio Lower Upper

164 100

162 98.4 78.7 118.1

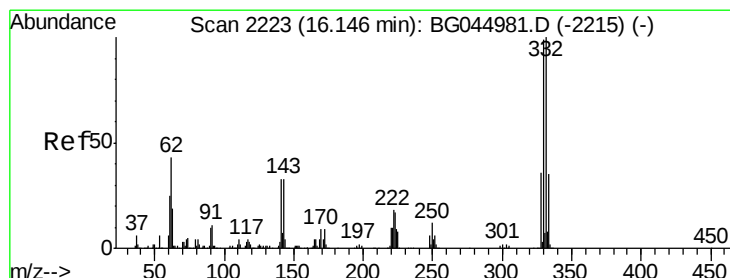
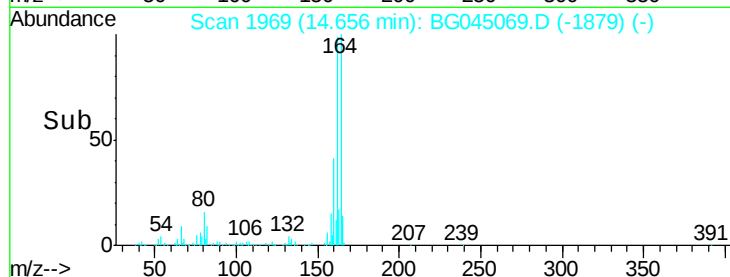
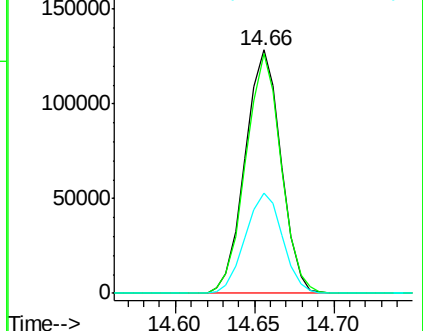
160 41.3 32.8 49.2



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: 117.694 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.00 min

Lab File: BG045069.D

Acq: 18 Apr 2020 16:23

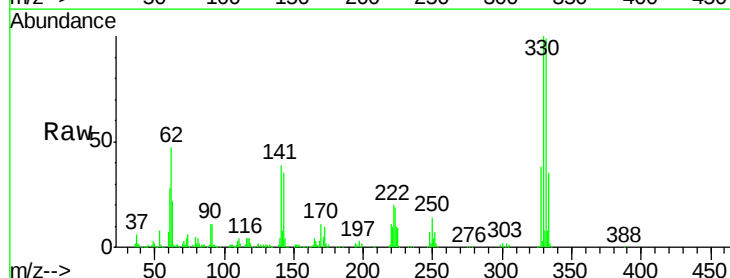
Tgt Ion:330 Resp: 366972

Ion Ratio Lower Upper

330 100

332 98.7 79.1 118.7

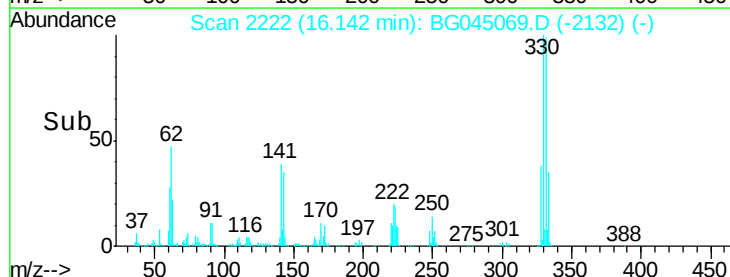
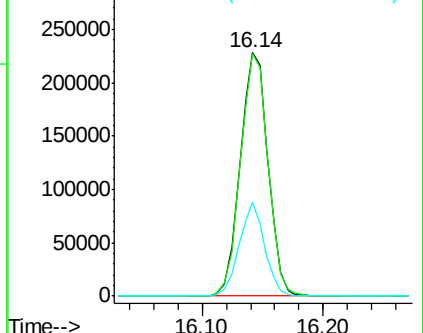
141 35.0 27.1 40.7

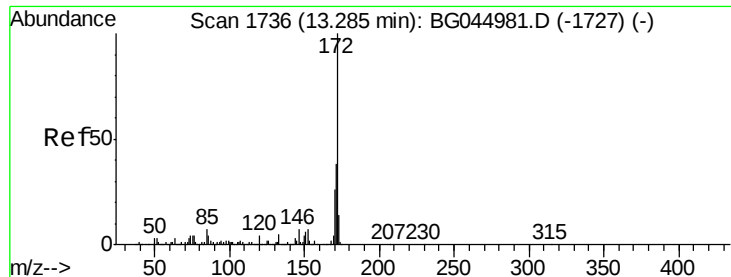


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

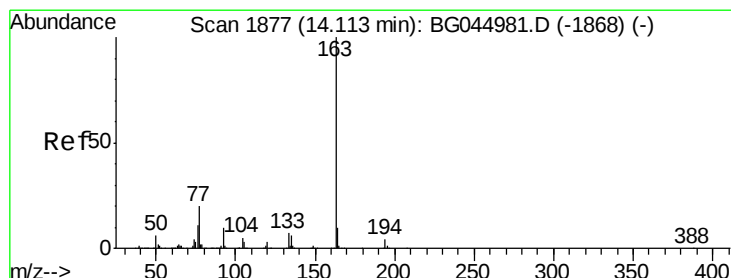
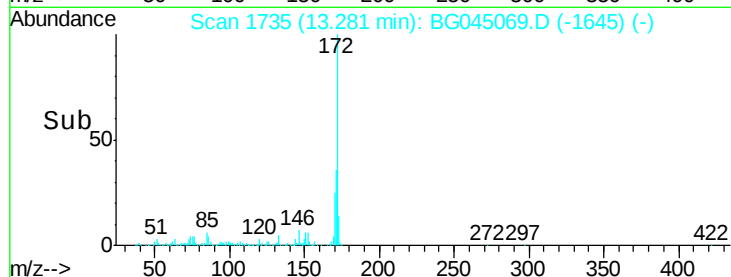
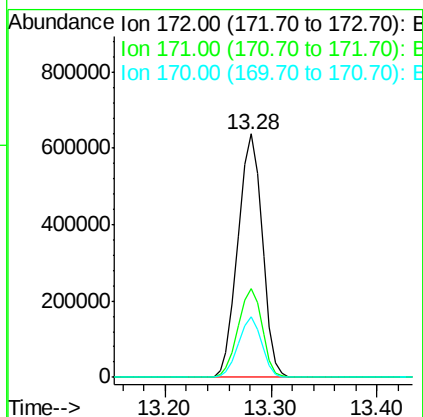
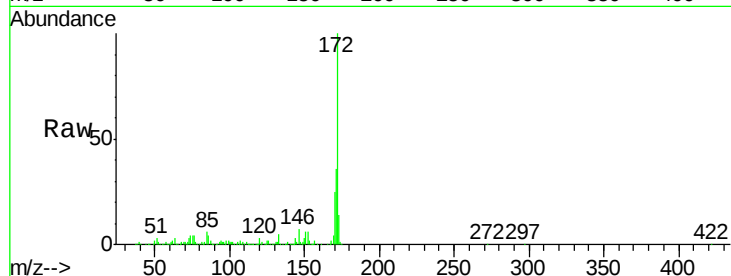




#45
2-Fluorobiphenyl
Concen: 73.809 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG045069.D
Acq: 18 Apr 2020 16:23

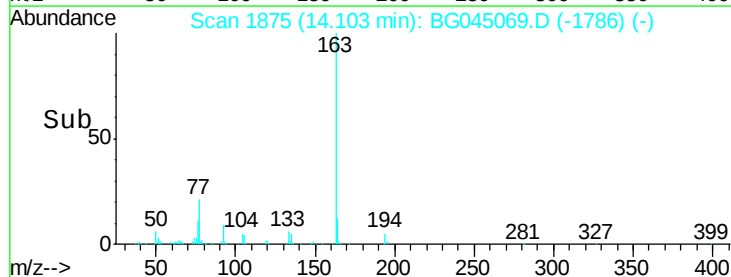
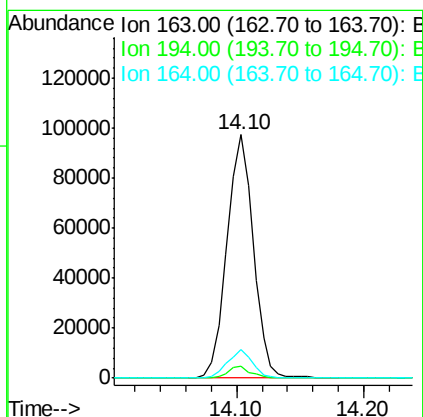
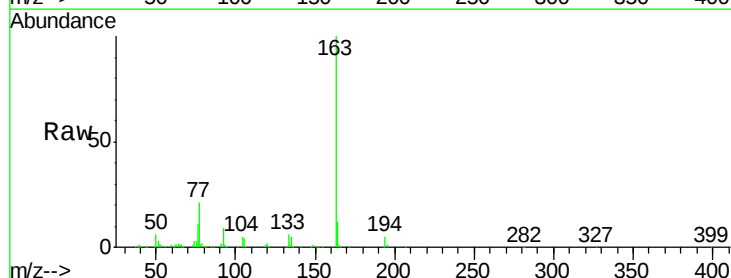
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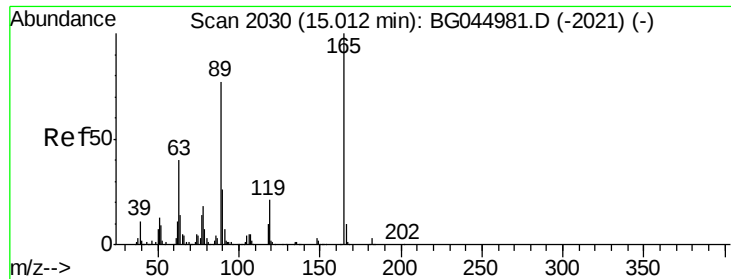
Tot Ion:172 Resp: 1015938
Ion Ratio Lower Upper
172 100
171 36.3 30.6 46.0
170 25.0 20.5 30.7



#50
Dimethylphthalate
Concen: 8.501 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG045069.D
Acq: 18 Apr 2020 16:23

Tgt Ion:163 Resp: 139706
Ion Ratio Lower Upper
163 100
194 4.8 3.5 5.3
164 11.9 8.2 12.4

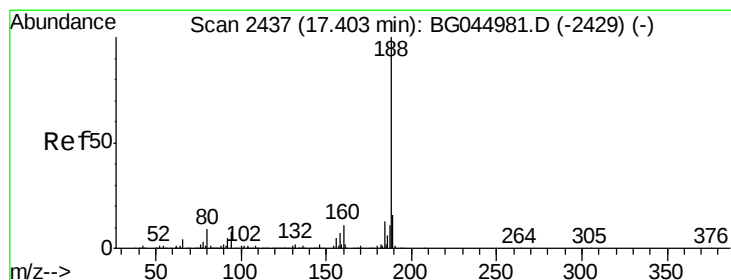
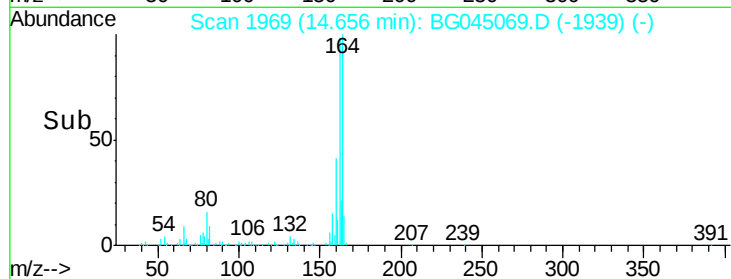
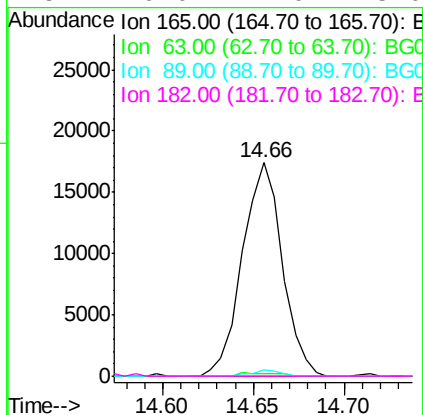
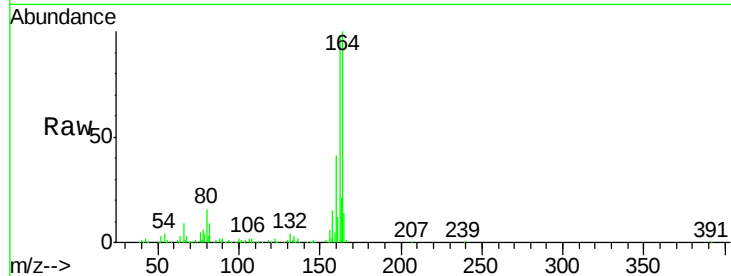




#57
 2,4-Dinitrotoluene
 Concen: 4.954 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.35 min
 Lab File: BG045069.D
 Acq: 18 Apr 2020 16:23

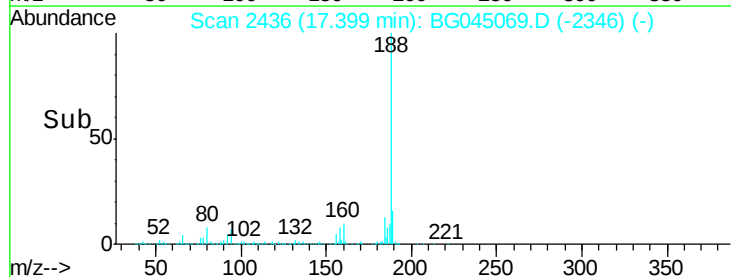
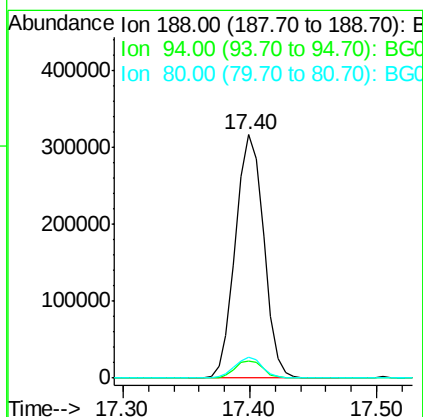
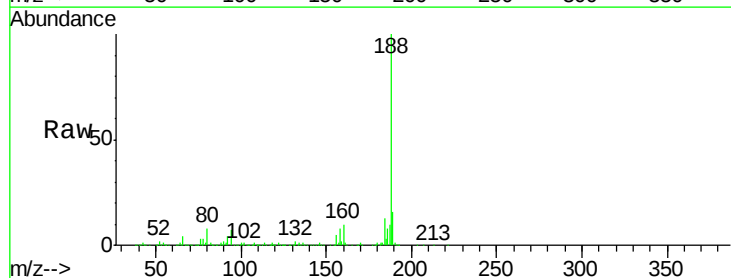
Instrument :
 BNA_G
 ClientSampled :
 BG-10

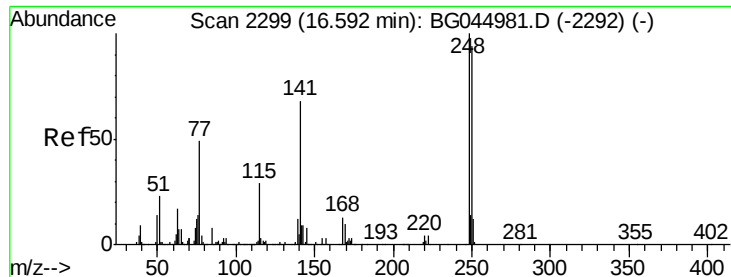
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	32.2	48.2#
89	3.0	61.7	92.5#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: BG045069.D
 Acq: 18 Apr 2020 16:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.1	6.2	9.4
80	8.4	7.0	10.6

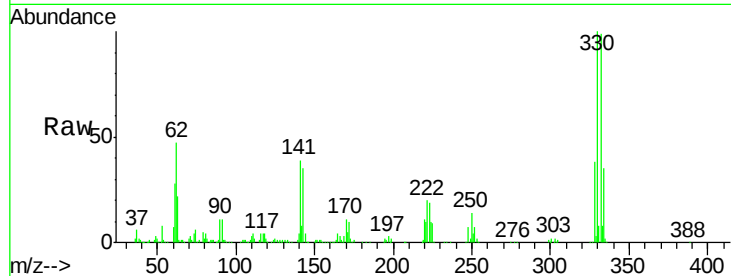




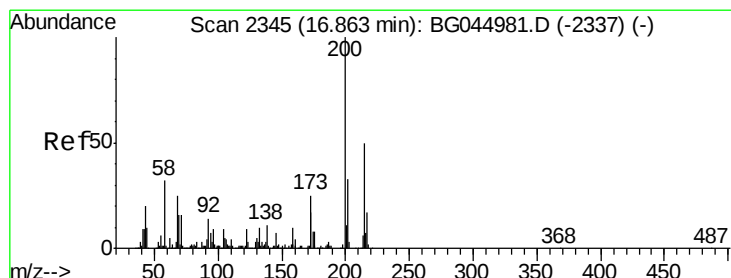
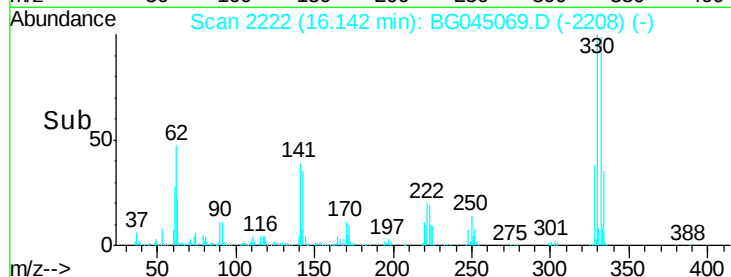
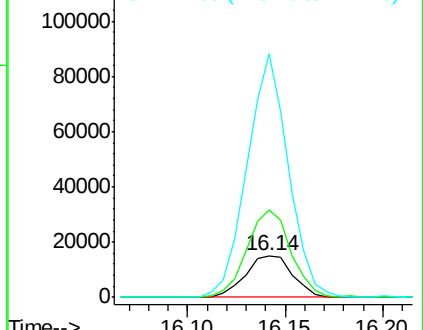
#67
 4-Bromophenyl-phenylether
 Concen: 3.969 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.45 min
 Lab File: BG045069.D
 Acq: 18 Apr 2020 16:23

Instrument :
 BNA_G
 ClientSampled :
 BG-10

Tot Ion:248 Resp: 25097
 Ion Ratio Lower Upper
 248 100
 250 207.1 75.4 113.2#
 141 580.8 54.4 81.6#

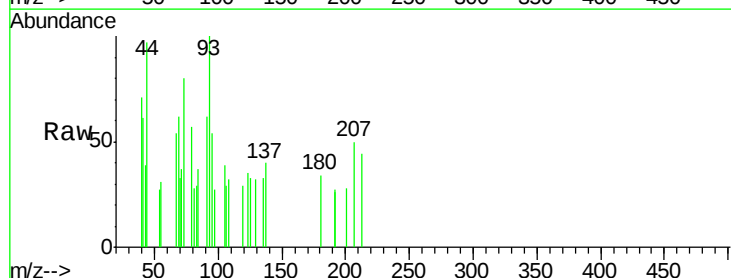


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

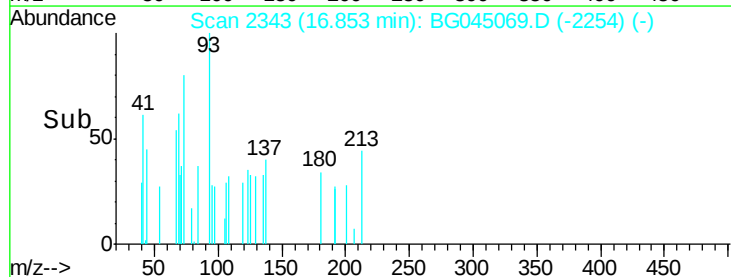
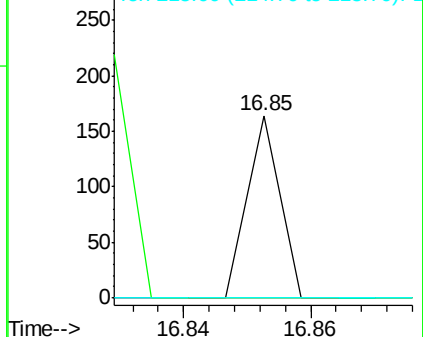


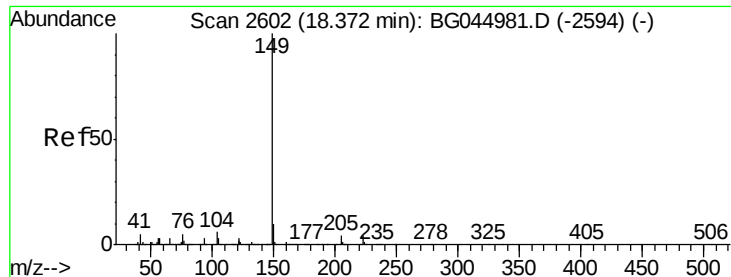
#69
 Atrazine
 Concen: Below Cal
 RT: 16.85 min Scan# 2343
 Delta R.T. -0.01 min
 Lab File: BG045069.D
 Acq: 18 Apr 2020 16:23

Tgt Ion:200 Resp: 58
 Ion Ratio Lower Upper
 200 100
 173 0.0 4.5 44.5#
 215 0.0 30.0 70.0#



Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

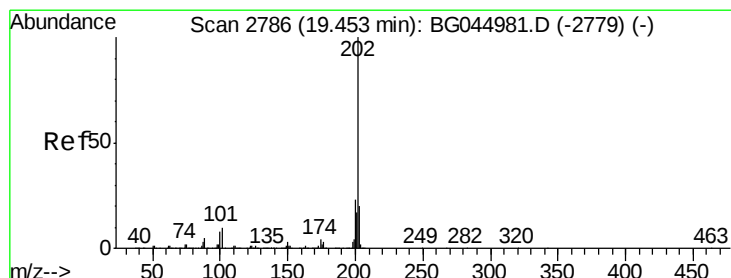
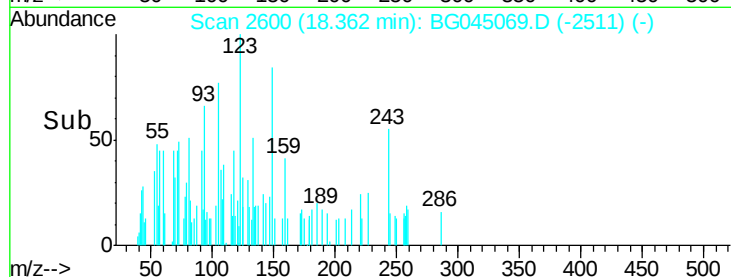
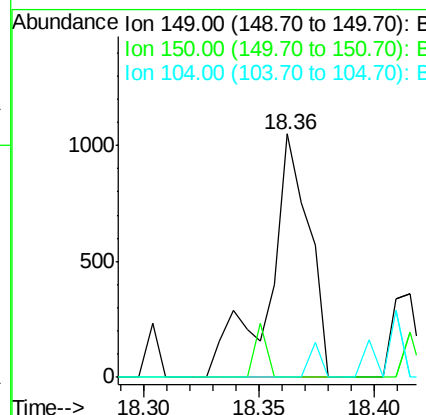
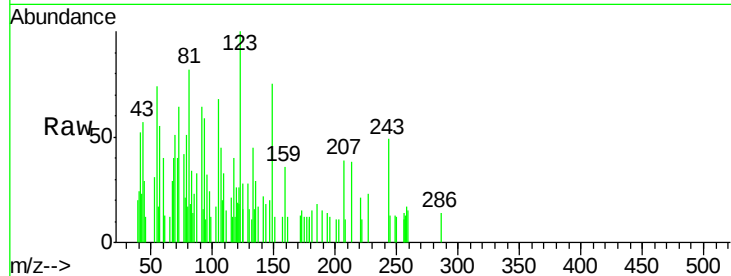




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.36 min Scan# 2600
Delta R.T. -0.01 min
Lab File: BG045069.D
Acq: 18 Apr 2020 16:23

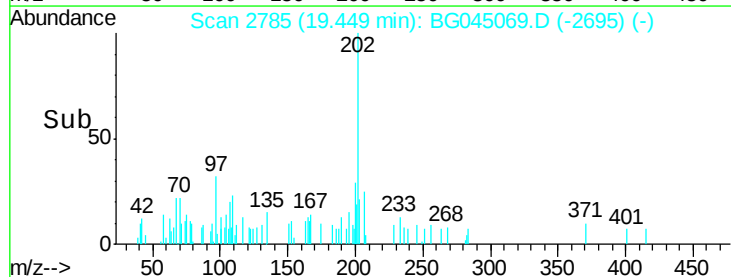
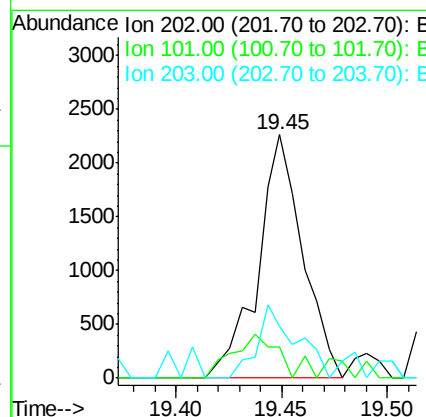
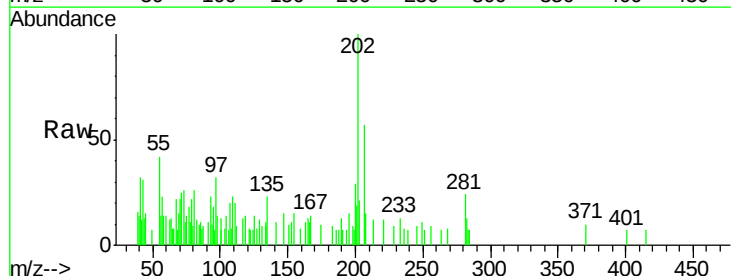
Instrument :
BNA_G
ClientSampleId :
BG-10

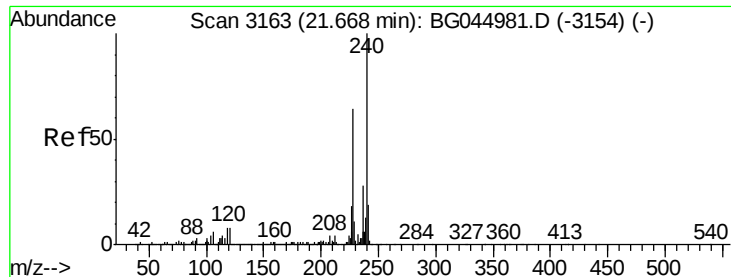
Tot Ion	Ratio	Lower	Upper
149	100		
150	0.0	8.2	12.2#
104	0.0	4.8	7.2#



#75
Fluoranthene
Concen: Below Cal
RT: 19.45 min Scan# 2785
Delta R.T. -0.00 min
Lab File: BG045069.D
Acq: 18 Apr 2020 16:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	29.6
203	21.2	0.0	39.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG045069.D

Acq: 18 Apr 2020 16:23

Instrument :

BNA_G

ClientSampleId :

BG-10

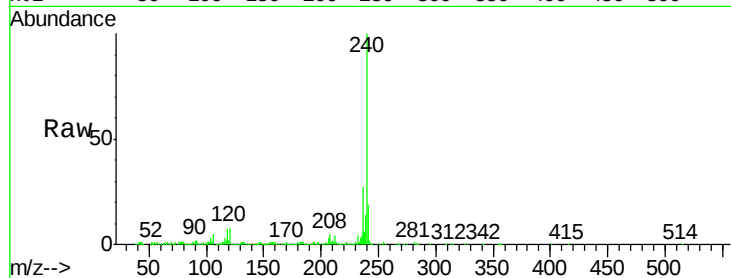
Tot Ion:240 Resp: 439767

Ion Ratio Lower Upper

240 100

120 7.5 6.6 10.0

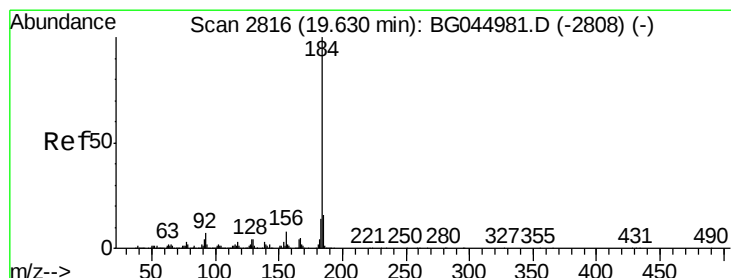
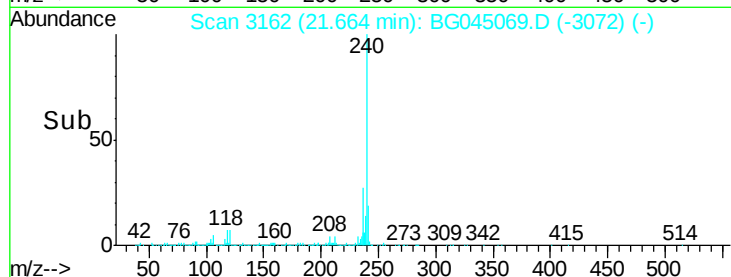
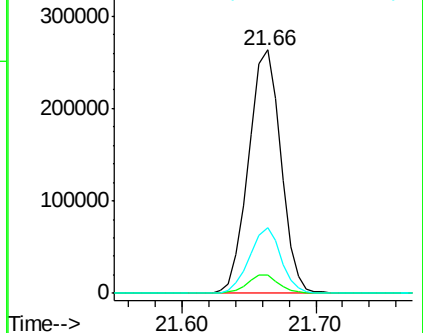
236 27.1 22.2 33.2



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: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.39 min

Lab File: BG045069.D

Acq: 18 Apr 2020 16:23

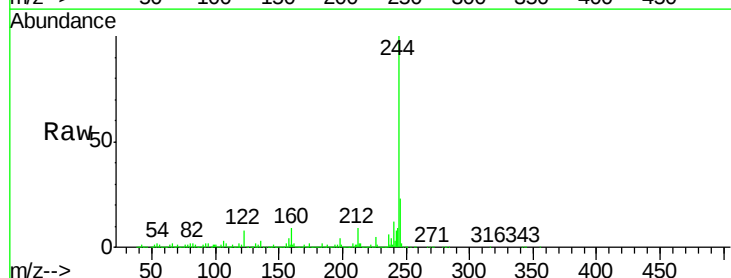
Tgt Ion:184 Resp: 33761

Ion Ratio Lower Upper

184 100

185 16.6 12.6 19.0

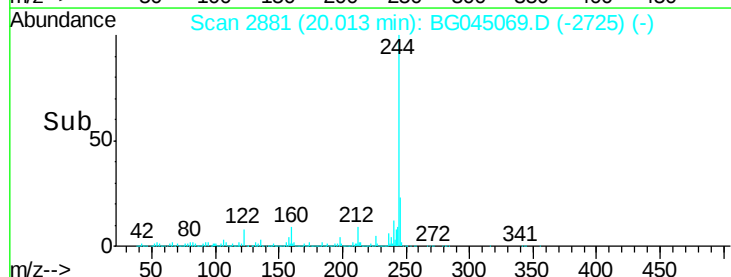
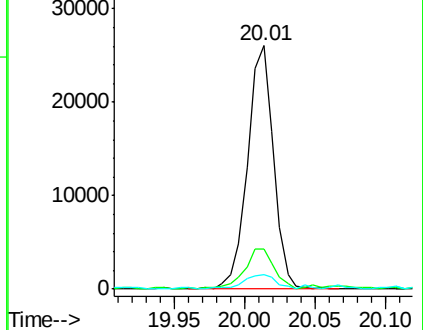
183 5.8 11.3 16.9#

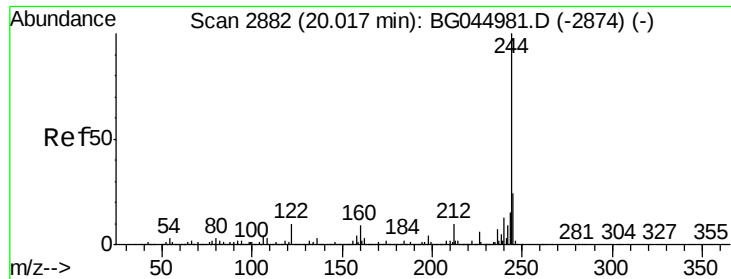


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



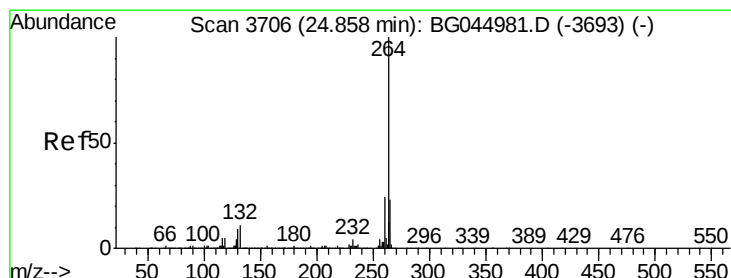
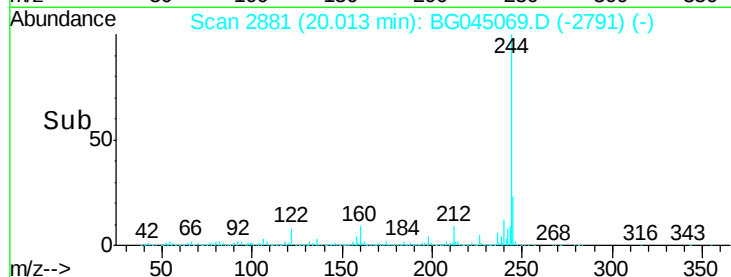
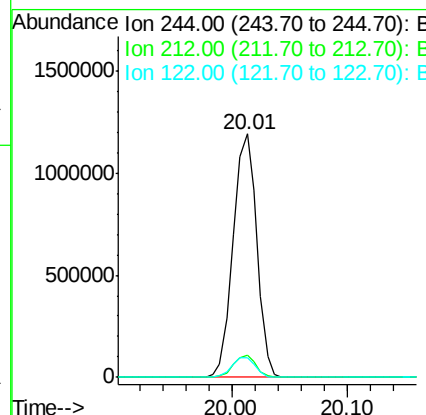
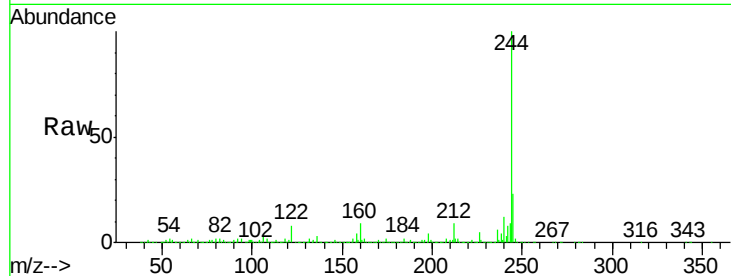


#79
 Terphenyl-d14
 Concen: 83.725 ng
 RT: 20.01 min Scan# 2881
 Delta R.T. -0.00 min
 Lab File: BG045069.D
 Acq: 18 Apr 2020 16:23

Instrument :
 BNA_G
 ClientSampleId :
 BG-10

Tot Ion:244 Resp: 1689310

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.9	11.9
122	8.2	7.7	11.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3704
 Delta R.T. -0.01 min
 Lab File: BG045069.D
 Acq: 18 Apr 2020 16:23

Tgt Ion:264 Resp: 474791

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	23.1	19.0	28.4

