

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042220\
 Data File : BG045134.D
 Acq On : 22 Apr 2020 20:07
 Operator : CG/JU
 Sample : L2332-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 23 02:19:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 22 12:56:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	117955	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	469260	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	279016	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	536286	20.00	ng	0.00
76) Chrysene-d12	21.66	240	503913	20.00	ng	0.00
87) Perylene-d12	24.85	264	539086	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	581586	81.40	ng	0.00
7) Phenol-d6	7.18	99	875077	82.44	ng	0.00
23) Nitrobenzene-d5	9.17	82	613927	59.70	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	321082	74.49	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	1305505	68.61	ng	0.00
79) Terphenyl-d14	20.01	244	1628465	70.44	ng	0.00

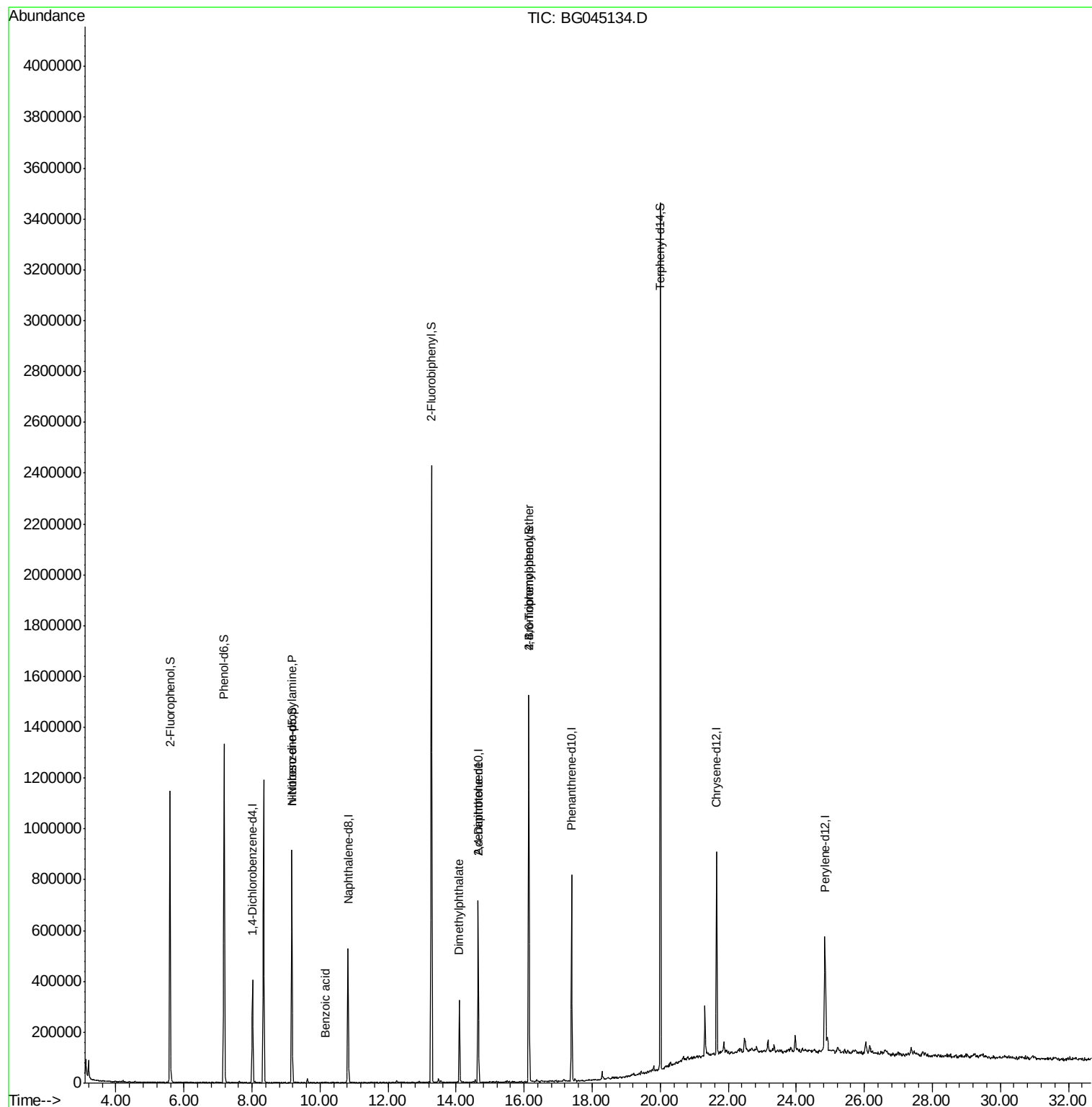
Target Compounds				Qvalue		
9) Benzaldehyde	7.19	77	1967	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.17	70	81716	10.885 ng	#	83
32) Benzoic acid	10.14	122	60	6.383 ng	#	1
50) Dimethylphthalate	14.10	163	216050	9.510 ng		97
57) 2,4-Dinitrotoluene	14.65	165	35960	4.842 ng	#	22
67) 4-Bromophenyl-phenylether	16.13	248	22265	3.218 ng	#	1
69) Atrazine	16.83	200	55	Below Cal	#	35
74) Di-n-butylphthalate	18.36	149	1626	Below Cal	#	66
75) Fluoranthene	19.44	202	6248	Below Cal		94
77) Benzidine	20.01	184	31006	Below Cal	#	87

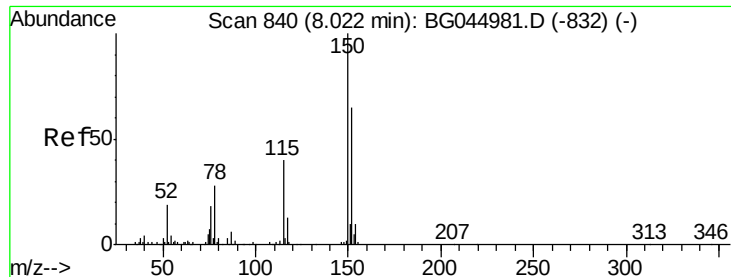
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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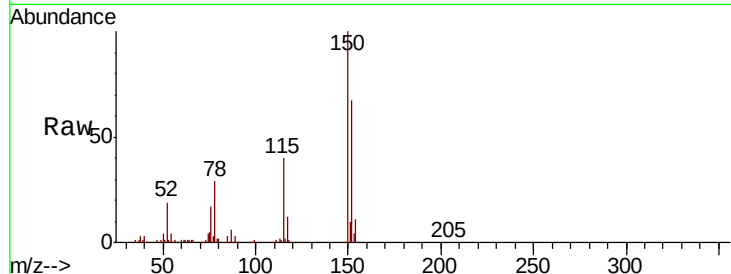


#1

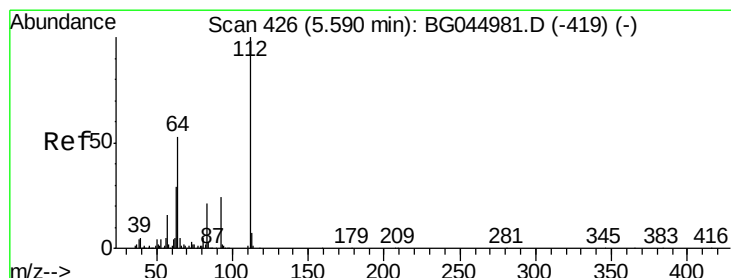
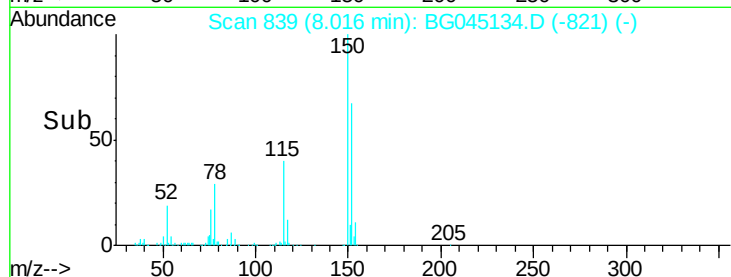
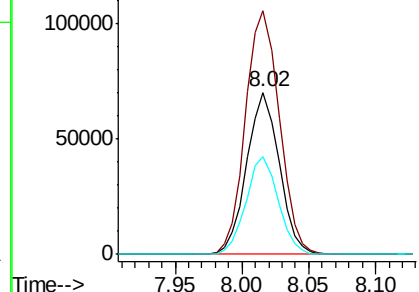
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. 0.00 min
Lab File: BG045134.D
Acq: 22 Apr 2020 20:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.4	123.6	185.4
115	60.7	49.1	73.7



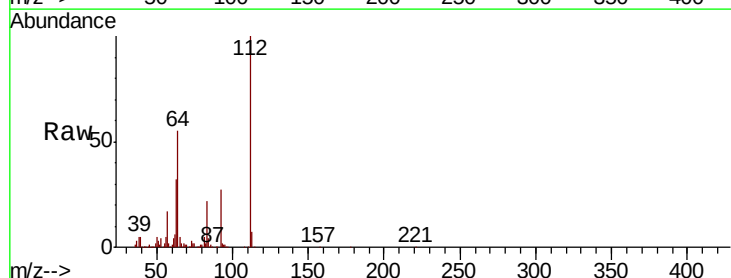
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



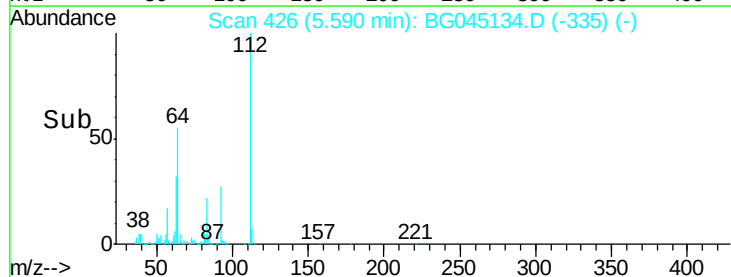
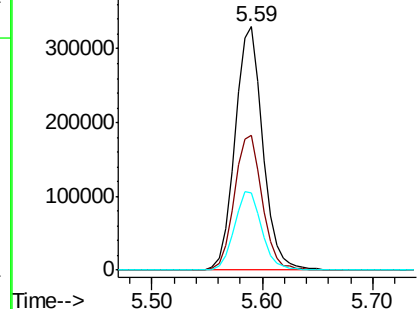
#5

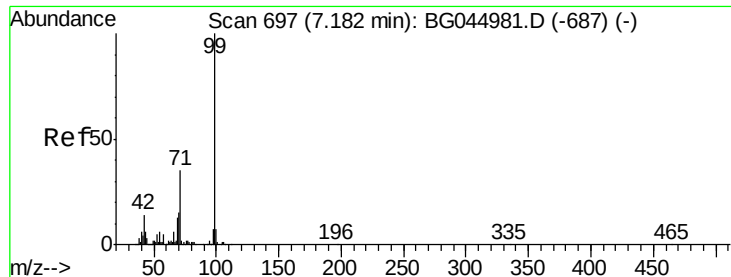
2-Fluorophenol
Concen: 81.401 ng
RT: 5.59 min Scan# 426
Delta R.T. 0.00 min
Lab File: BG045134.D
Acq: 22 Apr 2020 20:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	42.4	63.6
63	31.7	23.1	34.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 82.436 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG045134.D

Acq: 22 Apr 2020 20:07

Instrument :

BNA_G

ClientSampleId :

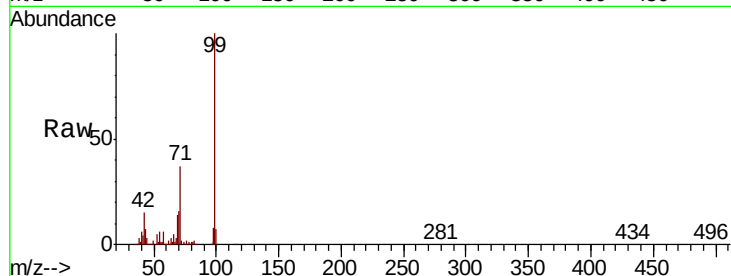
Tot Ion: 99 Resp: 875077

Ion Ratio Lower Upper

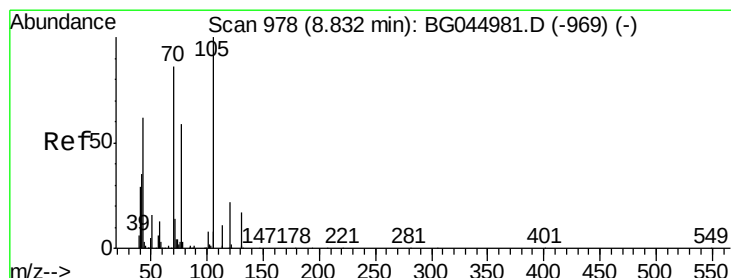
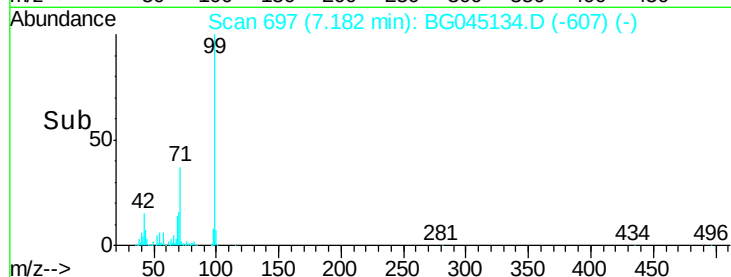
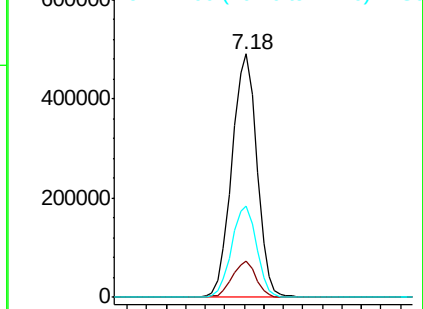
99 100

42 14.8 11.3 16.9

71 37.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 10.885 ng

RT: 9.17 min Scan# 1036

Delta R.T. 0.35 min

Lab File: BG045134.D

Acq: 22 Apr 2020 20:07

Tgt Ion: 70 Resp: 81716

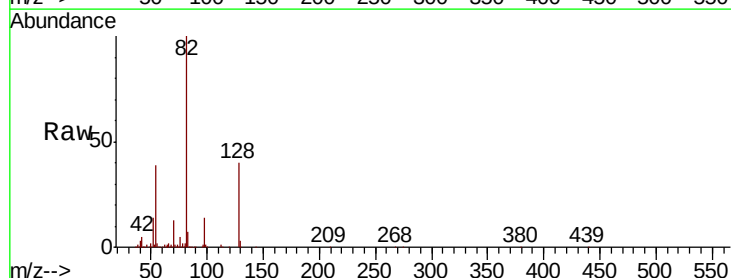
Ion Ratio Lower Upper

70 100

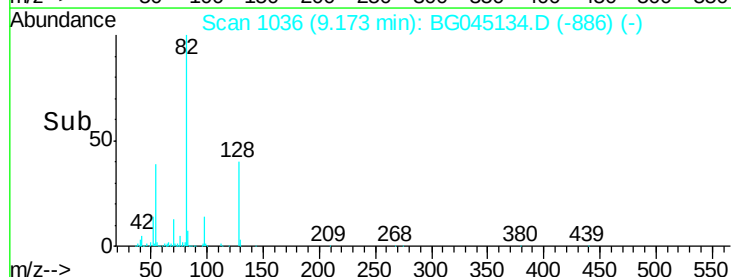
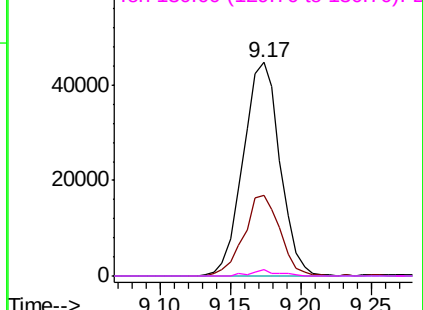
42 37.7 33.3 49.9

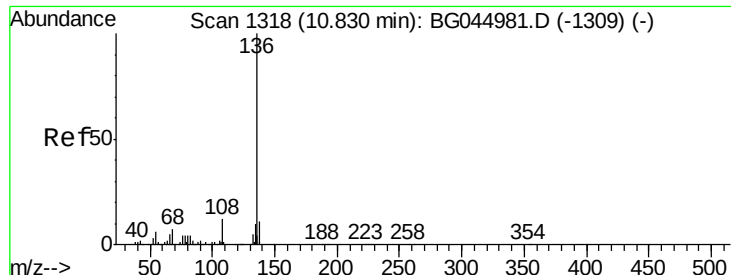
101 0.0 7.8 11.8#

130 3.3 15.8 23.6#



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

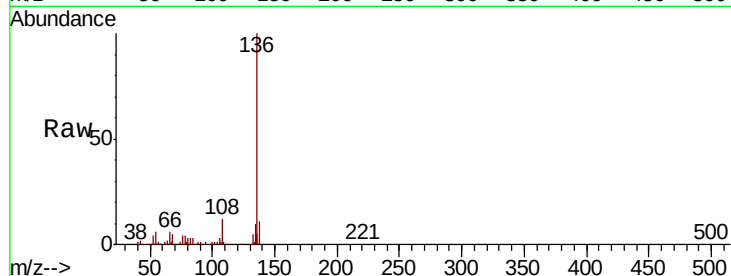




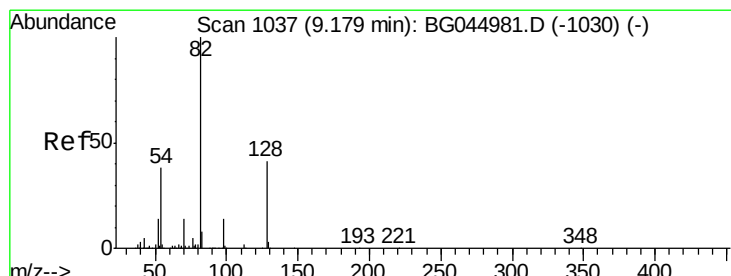
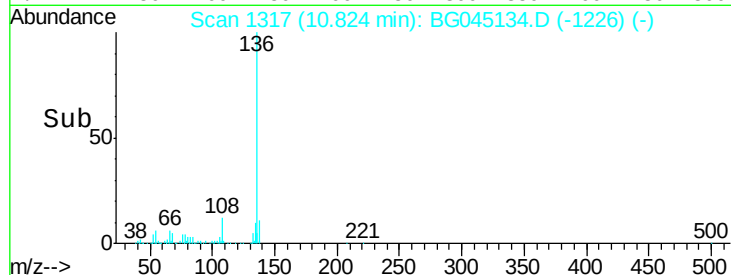
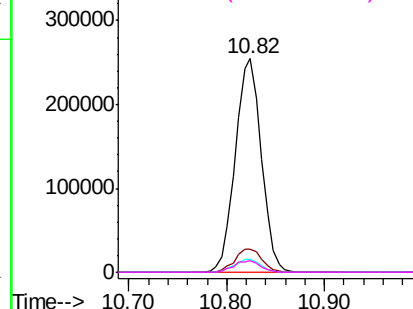
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG045134.D
Acq: 22 Apr 2020 20:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	469260
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.6	13.0
54 6.0	4.8	7.2
68 5.4	5.2	7.8

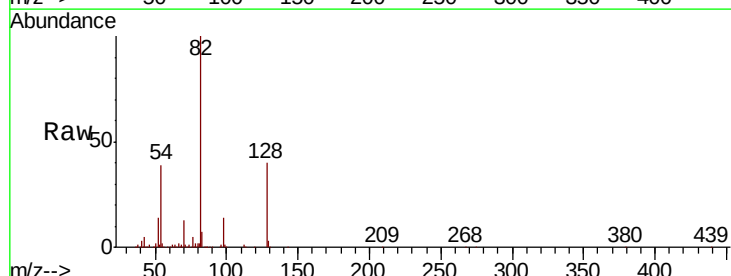


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

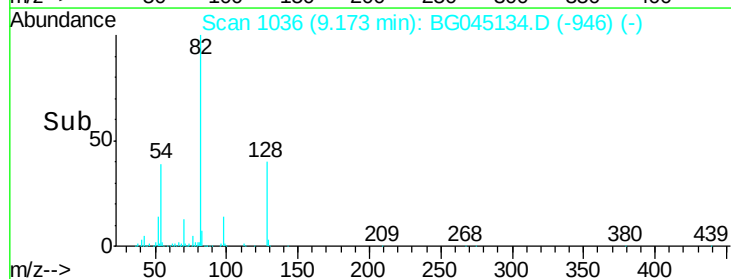
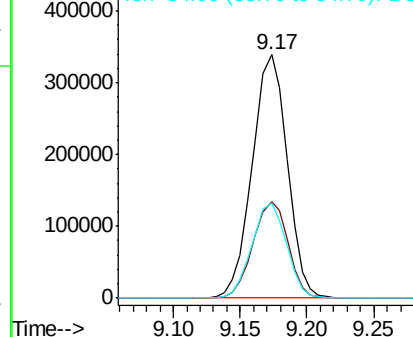


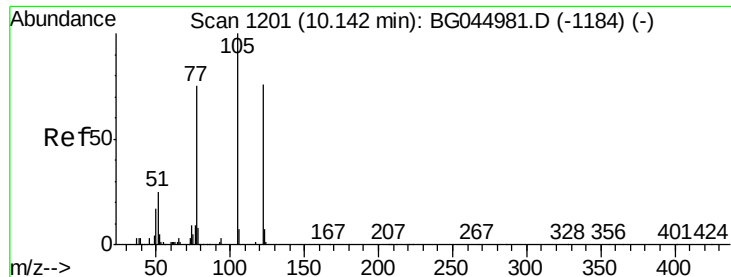
#23
Nitrobenzene-d5
Concen: 59.696 ng
RT: 9.17 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG045134.D
Acq: 22 Apr 2020 20:07

Tgt Ion: 82	Resp: 613927
Ion Ratio	Lower Upper
82 100	
128 39.7	33.0 49.4
54 39.2	30.4 45.6



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

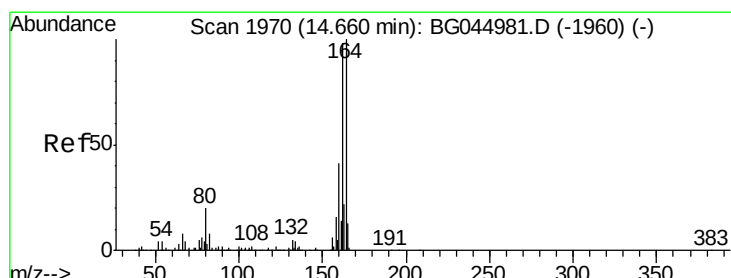
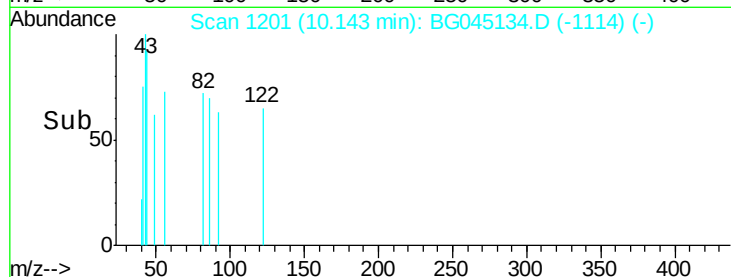
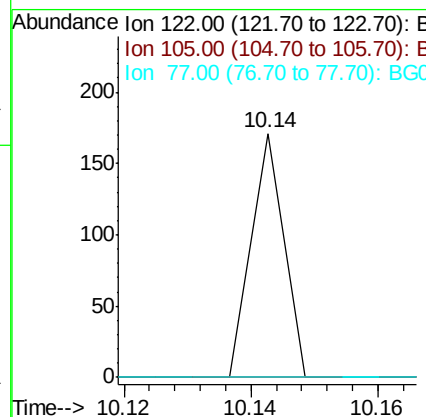
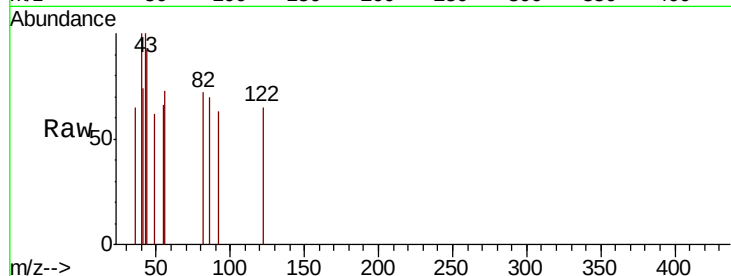




#32
Benzoic acid
Concen: 6.383 ng
RT: 10.14 min Scan# 1201
Delta R.T. -0.02 min
Lab File: BG045134.D
Acq: 22 Apr 2020 20:07

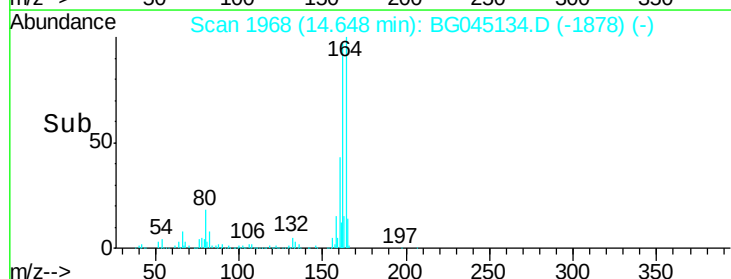
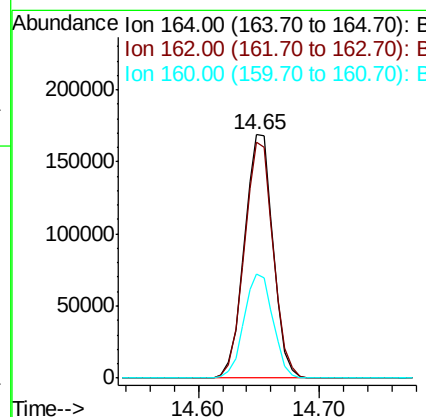
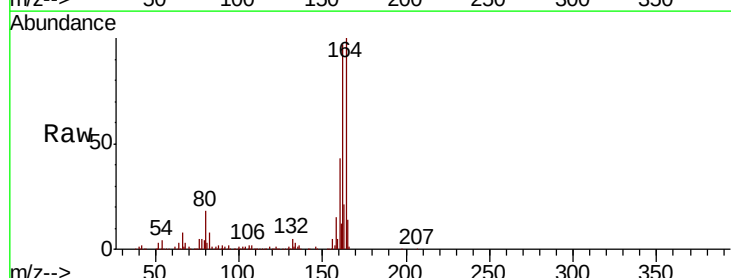
Instrument :
BNA_G
ClientSampleId :

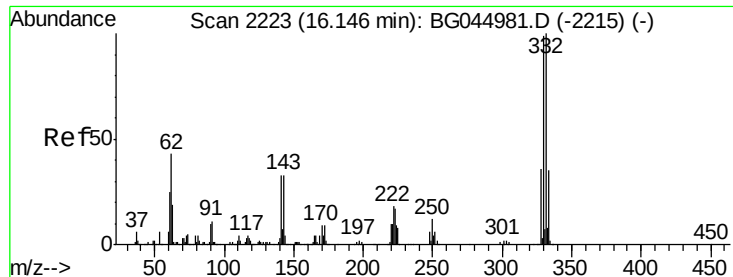
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	108.4	148.4#
77	0.0	78.8	118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG045134.D
Acq: 22 Apr 2020 20:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.8	78.7	118.1
160	42.6	32.8	49.2

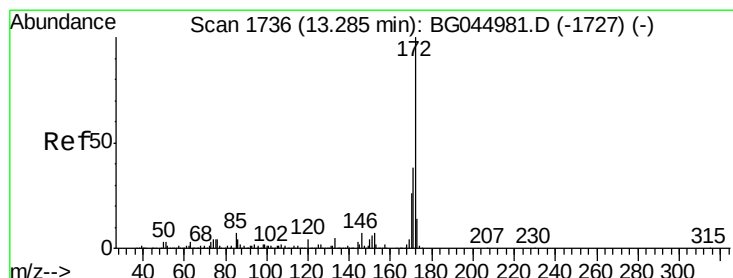
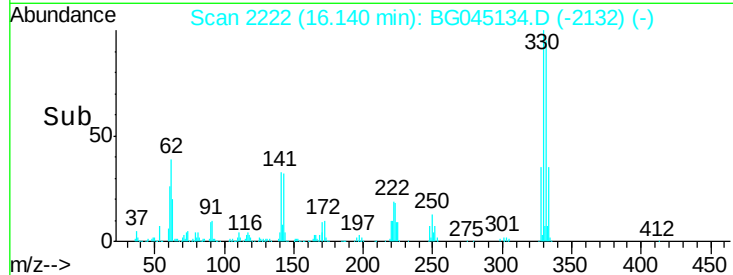
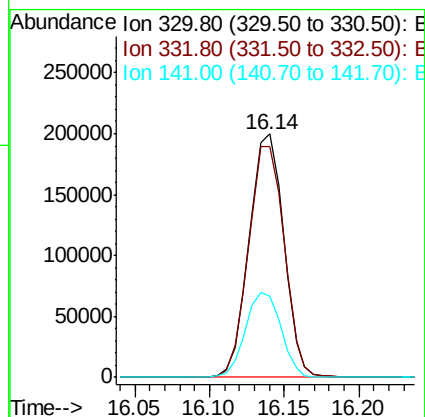
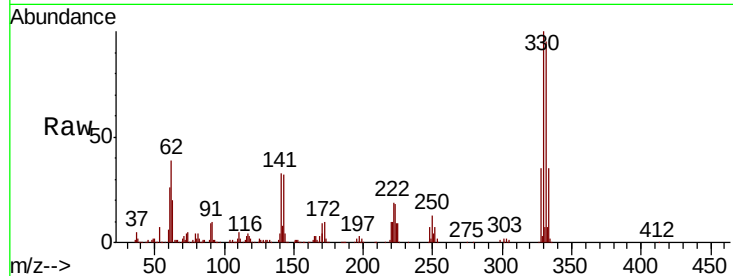




#42
 2,4,6-Tribromophenol
 Concen: 74.490 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG045134.D
 Acq: 22 Apr 2020 20:07

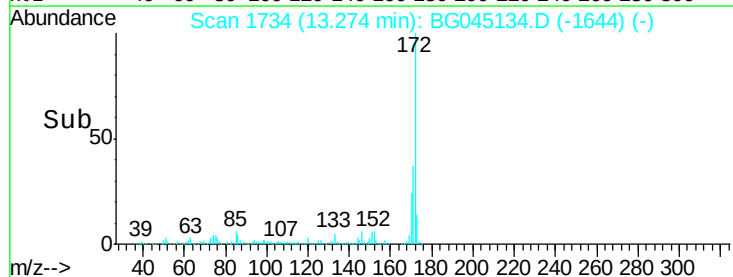
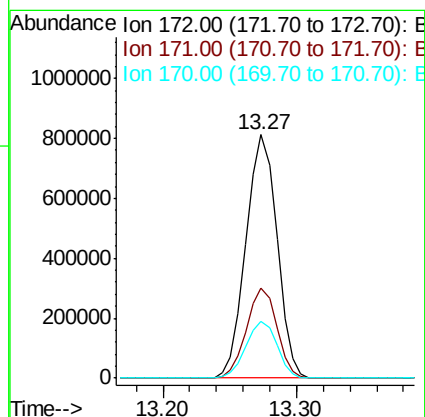
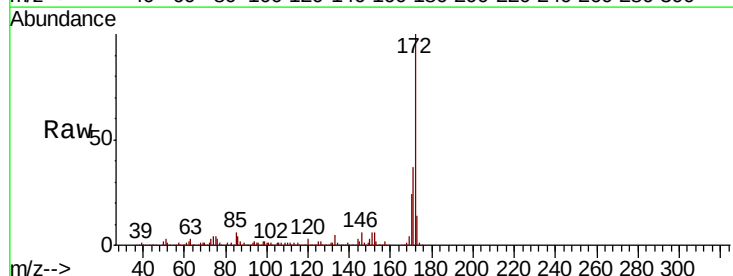
Instrument :
 BNA_G
 ClientSampleId :

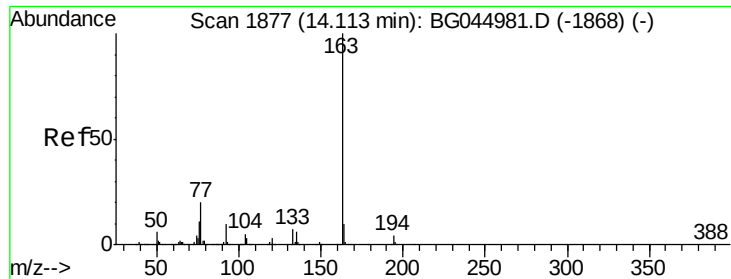
Tot Ion:330	Resp:	321082
Ion Ratio	Lower	Upper
330	100	
332	98.0	79.1 118.7
141	36.0	27.1 40.7



#45
 2-Fluorobiphenyl
 Concen: 68.608 ng
 RT: 13.27 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG045134.D
 Acq: 22 Apr 2020 20:07

Tgt Ion:172	Resp:	1305505
Ion Ratio	Lower	Upper
172	100	
171	37.0	30.6 46.0
170	23.6	20.5 30.7

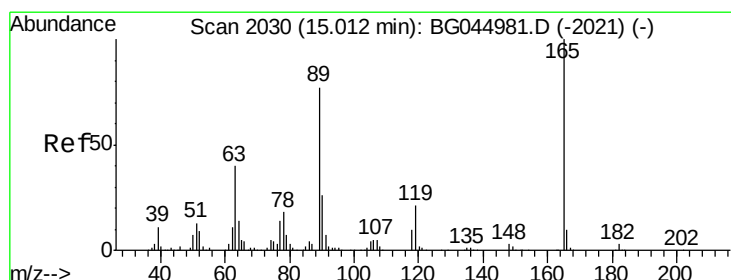
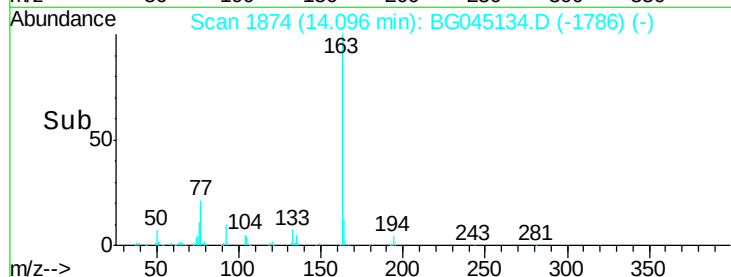
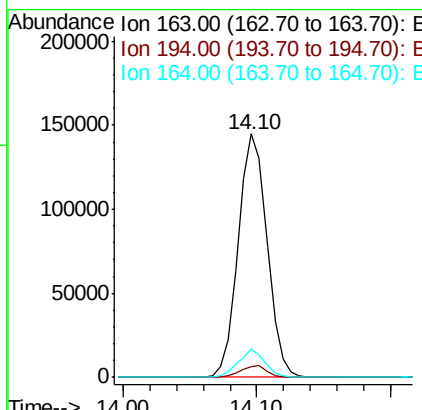
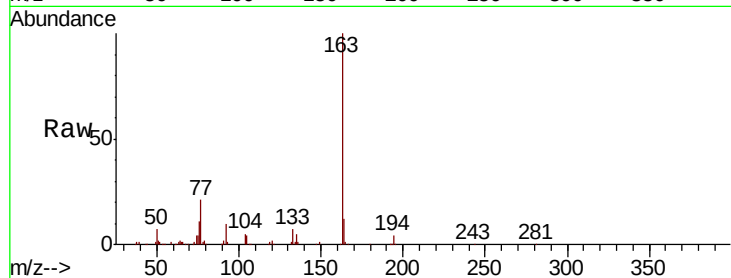




#50
Dimethylphthalate
Concen: 9.510 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG045134.D
Acq: 22 Apr 2020 20:07

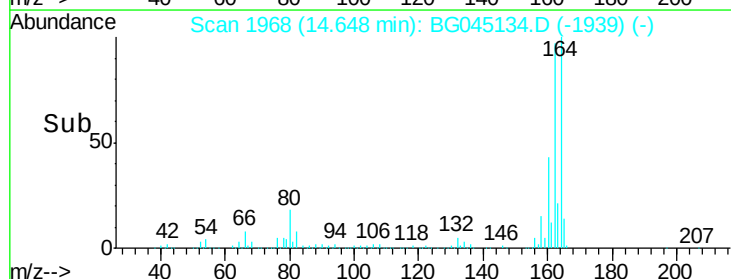
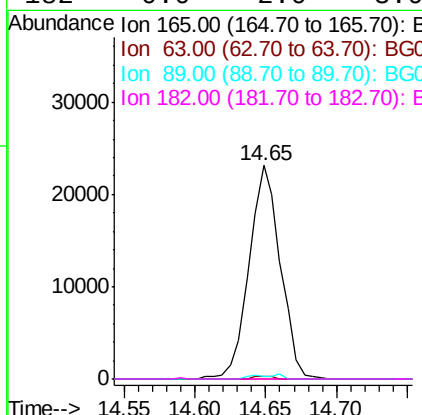
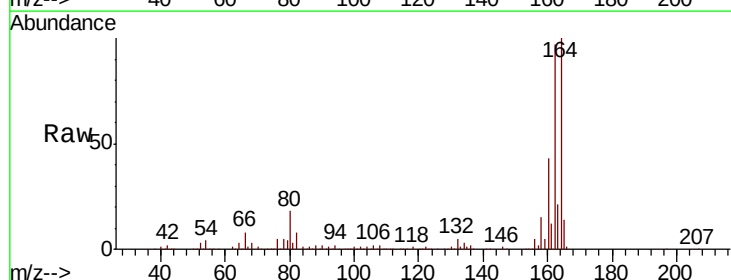
Instrument :
BNA_G
ClientSampleId :

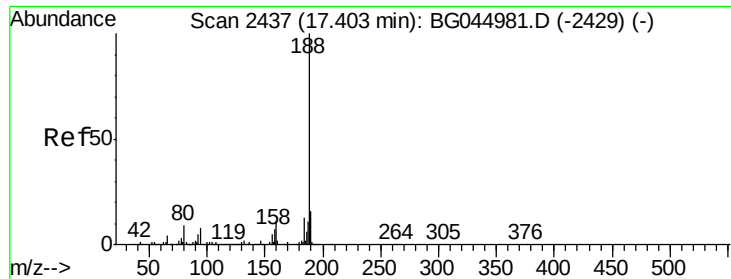
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	11.6	8.2	12.4



#57
2,4-Dinitrotoluene
Concen: 4.842 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.36 min
Lab File: BG045134.D
Acq: 22 Apr 2020 20:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	32.2	48.2#
89	1.1	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: BG045134.D

Acq: 22 Apr 2020 20:07

Instrument :

BNA_G

ClientSampleId :

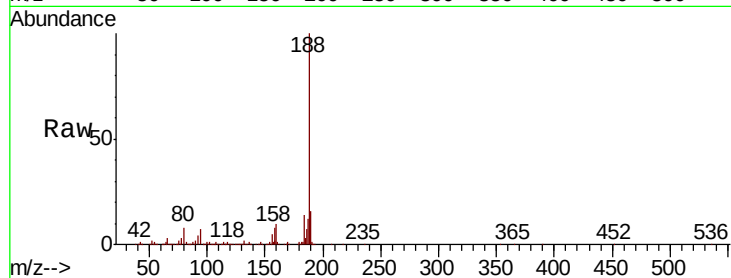
Tot Ion:188 Resp: 536286

Ion Ratio Lower Upper

188 100

94 7.0 6.2 9.4

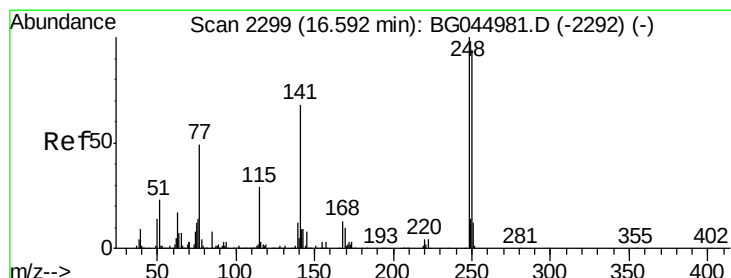
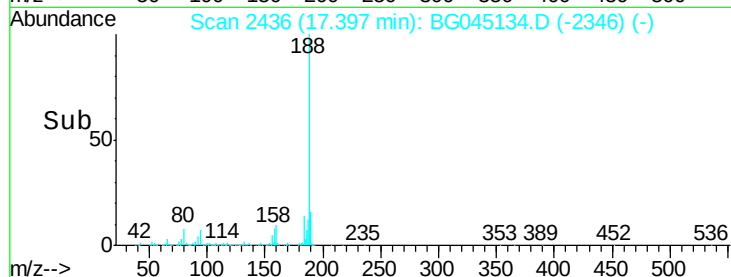
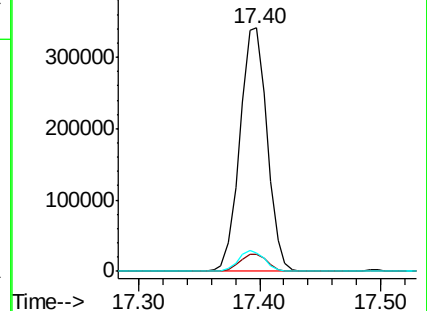
80 7.6 7.0 10.6



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



#67

4-Bromophenyl-phenylether

Concen: 3.218 ng

RT: 16.13 min Scan# 2221

Delta R.T. -0.45 min

Lab File: BG045134.D

Acq: 22 Apr 2020 20:07

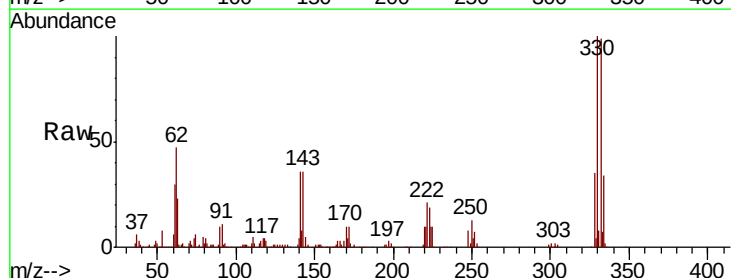
Tgt Ion:248 Resp: 22265

Ion Ratio Lower Upper

248 100

250 164.1 75.4 113.2#

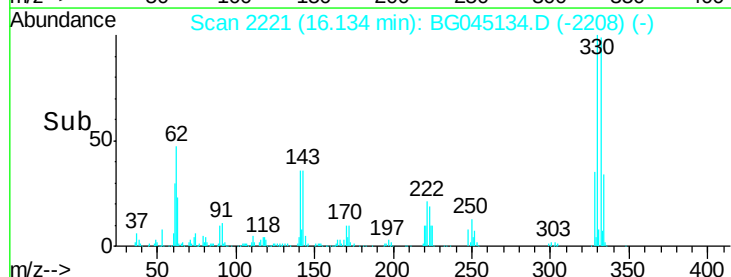
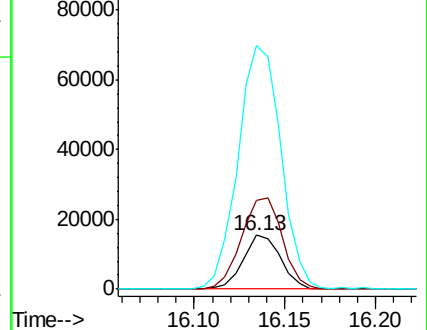
141 452.2 54.4 81.6#

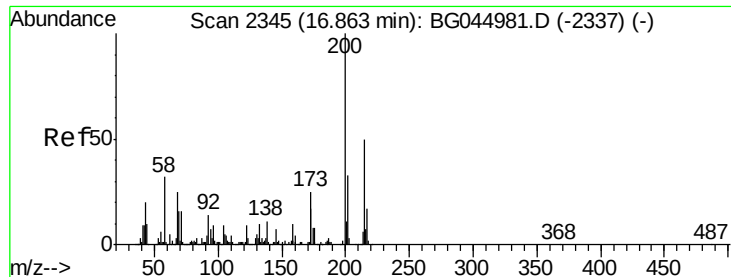


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.83 min Scan# 2339

Delta R.T. -0.03 min

Lab File: BG045134.D

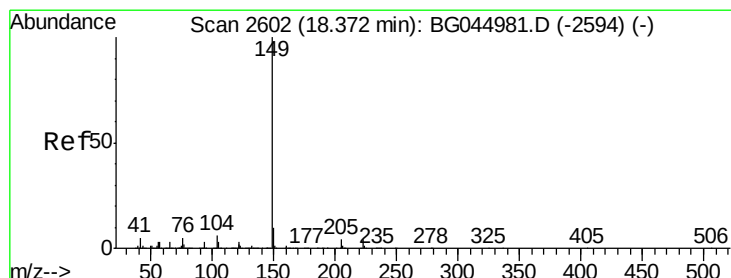
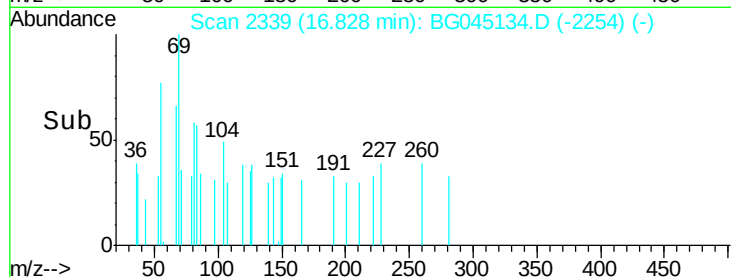
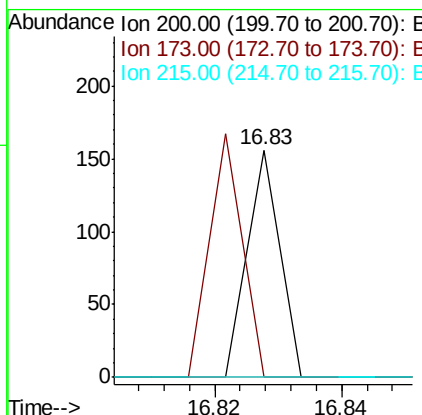
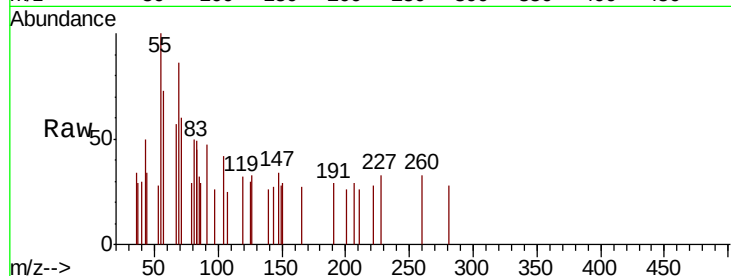
Acq: 22 Apr 2020 20:07

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	200	Resp:	55
Ion	Ratio	Lower	Upper
200	100		
173	0.0	4.5	44.5#
215	0.0	30.0	70.0#



#74

Di-n-butylphthalate

Concen: Below Cal

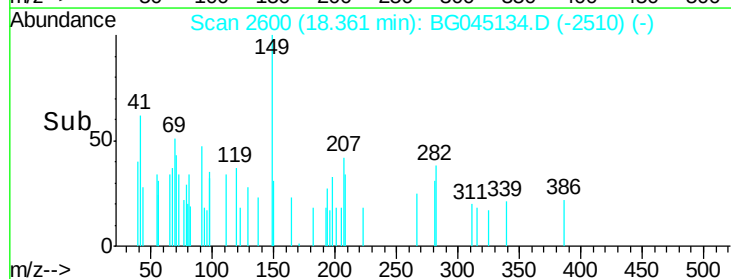
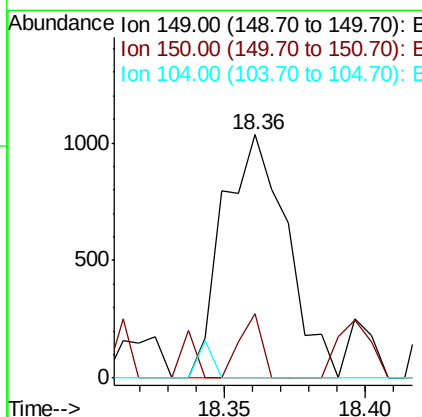
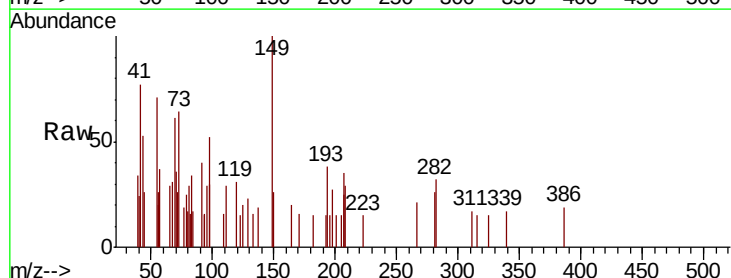
RT: 18.36 min Scan# 2600

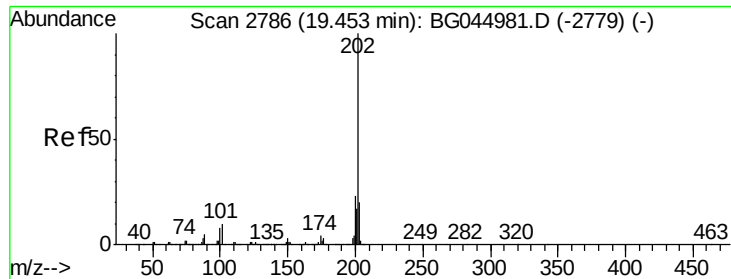
Delta R.T. -0.00 min

Lab File: BG045134.D

Acq: 22 Apr 2020 20:07

Tgt Ion:	149	Resp:	1626
Ion	Ratio	Lower	Upper
149	100		
150	26.3	8.2	12.2#
104	0.0	4.8	7.2#





#75

Fluoranthene

Concen: Below Cal

RT: 19.44 min Scan# 2784

Delta R.T. -0.01 min

Lab File: BG045134.D

Acq: 22 Apr 2020 20:07

Instrument :

BNA_G

ClientSampleId :

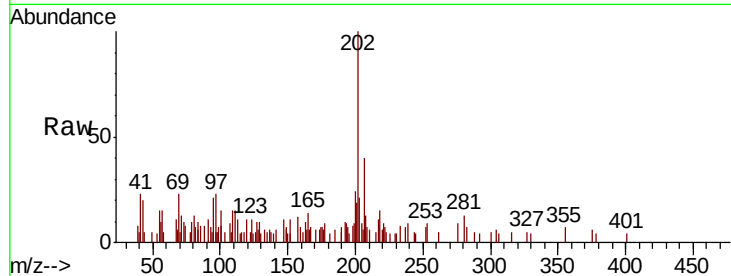
Tot Ion:202 Resp: 6248

Ion Ratio Lower Upper

202 100

101 14.7 0.0 29.6

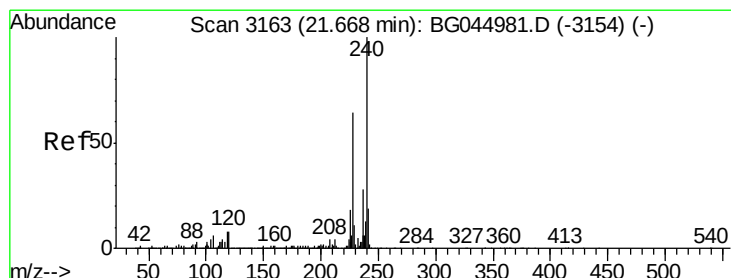
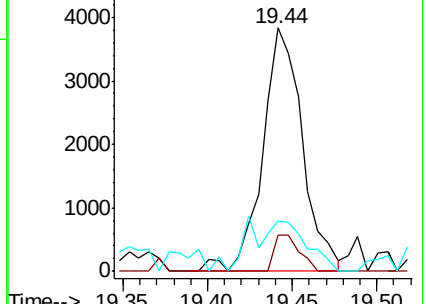
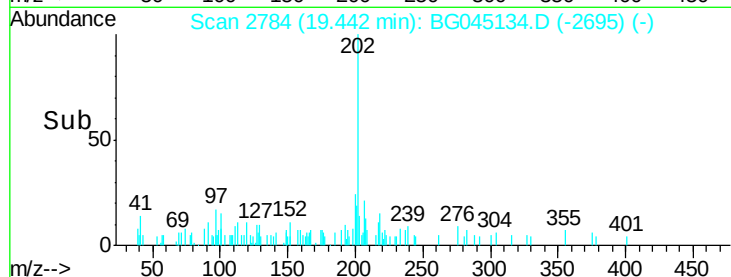
203 20.7 0.0 39.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG045134.D

Acq: 22 Apr 2020 20:07

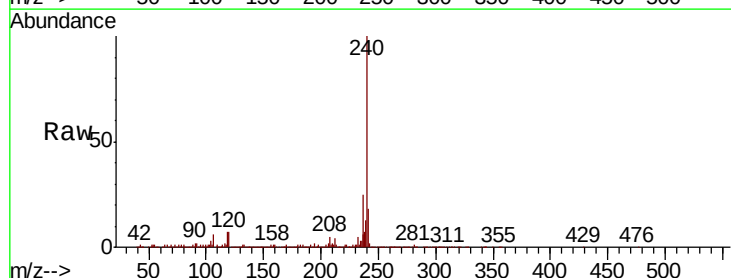
Tgt Ion:240 Resp: 503913

Ion Ratio Lower Upper

240 100

120 6.8 6.6 10.0

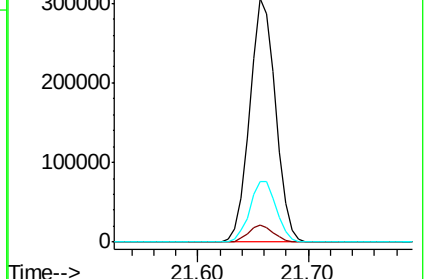
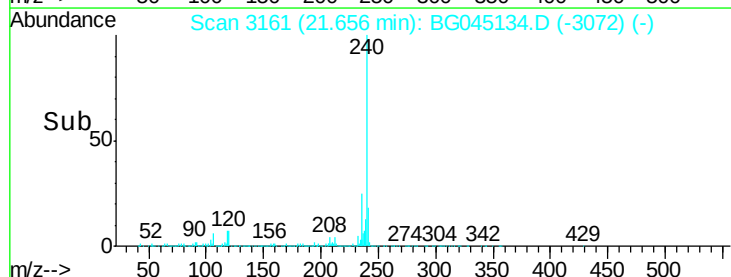
236 25.1 22.2 33.2

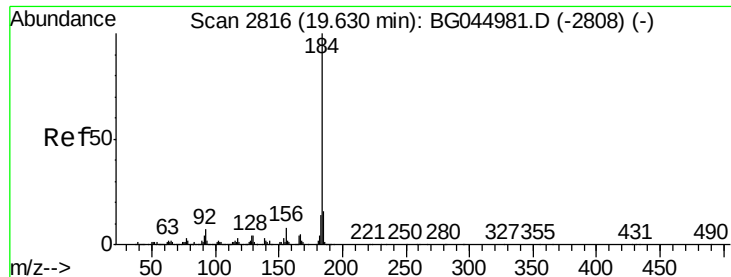


Abundance Ion 240.00 (239.70 to 240.70): E

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# 2880

Delta R.T. 0.39 min

Lab File: BG045134.D

Acq: 22 Apr 2020 20:07

Instrument :

BNA_G

ClientSampleId :

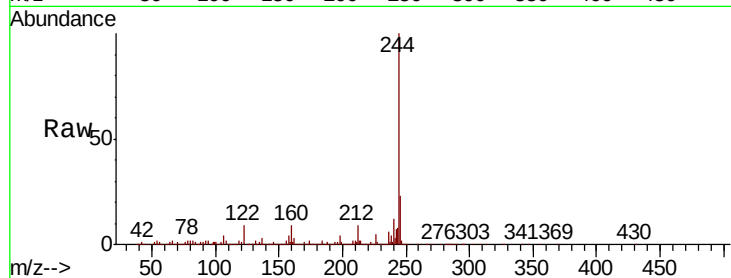
Tot Ion:184 Resp: 31006

Ion Ratio Lower Upper

184 100

185 19.9 12.6 19.0#

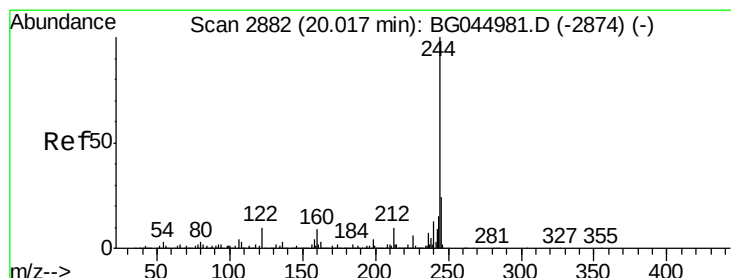
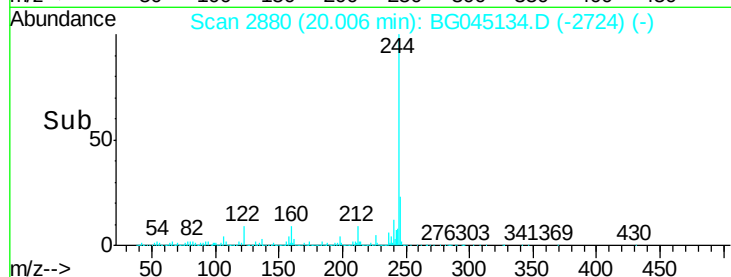
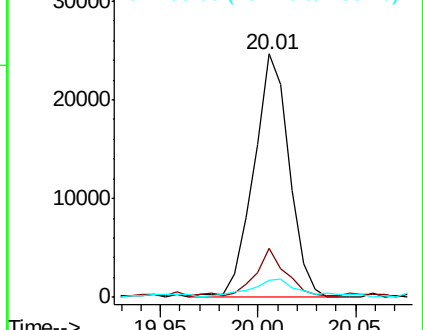
183 6.9 11.3 16.9#



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: 70.436 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BG045134.D

Acq: 22 Apr 2020 20:07

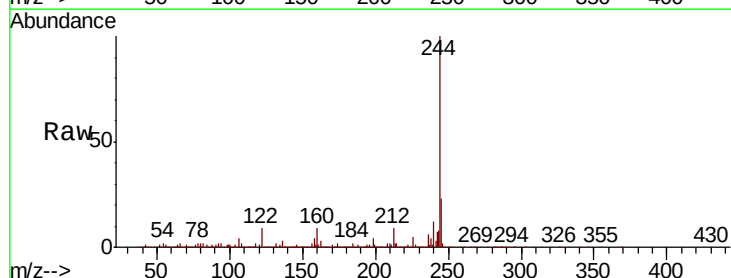
Tgt Ion:244 Resp: 1628465

Ion Ratio Lower Upper

244 100

212 9.2 7.9 11.9

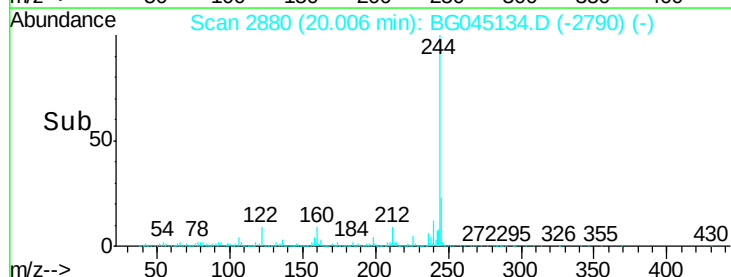
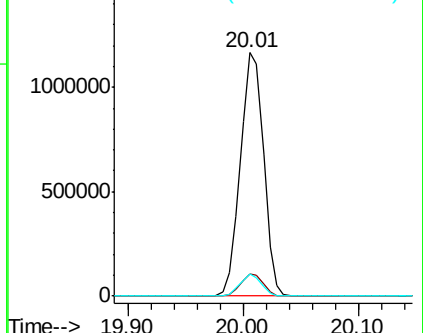
122 9.0 7.7 11.5

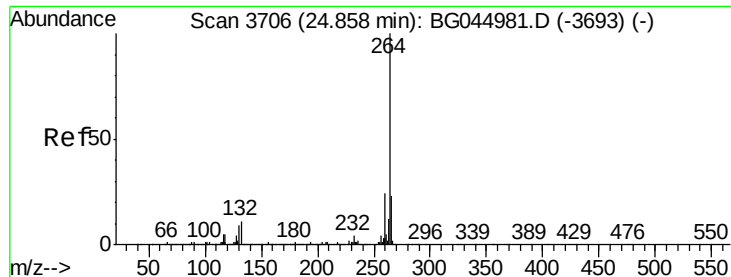


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.85 min Scan# 3704
Delta R.T. -0.00 min
Lab File: BG045134.D
Acq: 22 Apr 2020 20:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.3	19.0	28.4

