

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
 Data File : BG045101.D
 Acq On : 20 Apr 2020 18:23
 Operator : CG/JU
 Sample : L2346-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 21 04:54:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 11:57:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	77396	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	323109	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	230596	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	496163	20.00	ng	0.00
76) Chrysene-d12	21.67	240	449040	20.00	ng	0.00
87) Perylene-d12	24.86	264	488534	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	389584	83.10	ng	0.00
7) Phenol-d6	7.20	99	595751	85.53	ng	0.00
23) Nitrobenzene-d5	9.18	82	419851	59.29	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	299707	84.13	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1011627	64.33	ng	0.00
79) Terphenyl-d14	20.01	244	1478471	71.76	ng	0.00

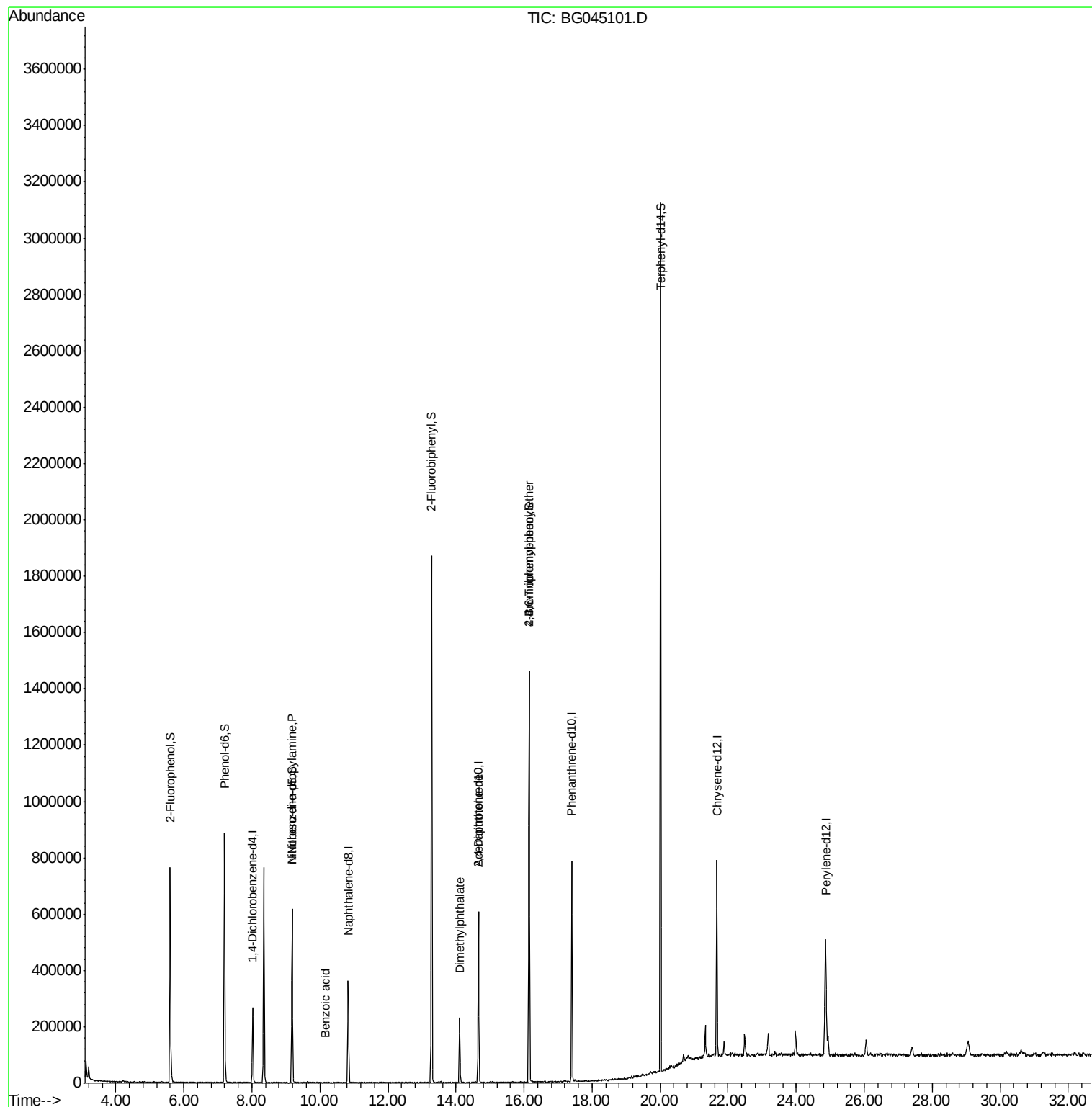
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.14	77	87	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.18	70	56519	11.474 ng	#	83
32) Benzoic acid	10.14	122	90	6.393 ng	#	1
50) Dimethylphthalate	14.10	163	157652	8.396 ng		97
57) 2,4-Dinitrotoluene	14.66	165	30087	4.902 ng	#	24
67) 4-Bromophenyl-phenylether	16.15	248	20901	3.265 ng	#	1
69) Atrazine	16.89	200	56	Below Cal	#	35
74) Di-n-butylphthalate	18.37	149	1841	Below Cal	#	76
75) Fluoranthene	19.46	202	814	Below Cal		74
77) Benzidine	19.64	184	1005	Below Cal	#	55

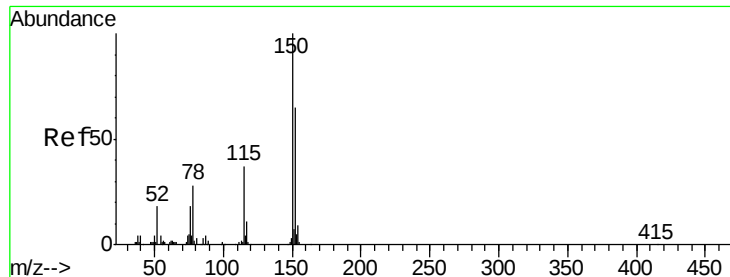
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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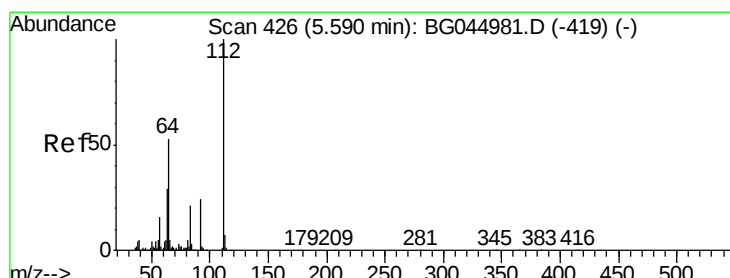
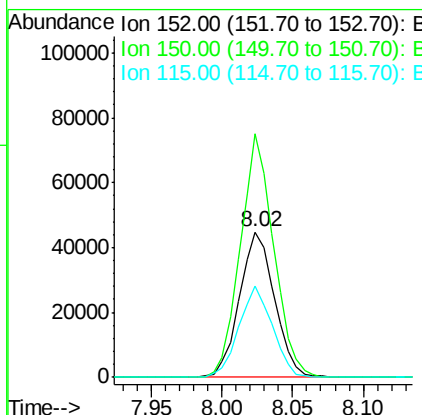
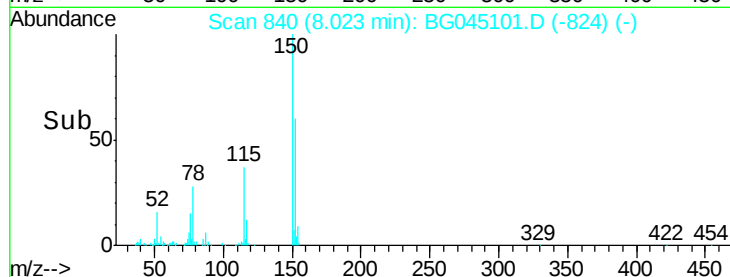
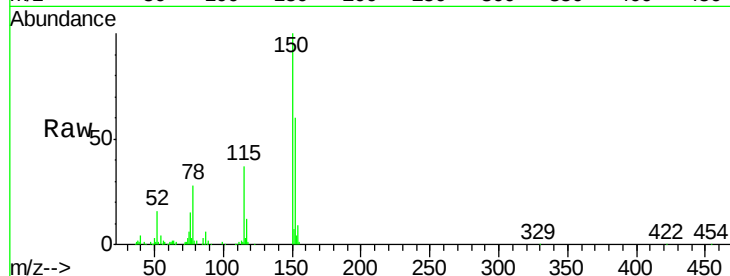




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BG045101.D
 Acq: 20 Apr 2020 18:23

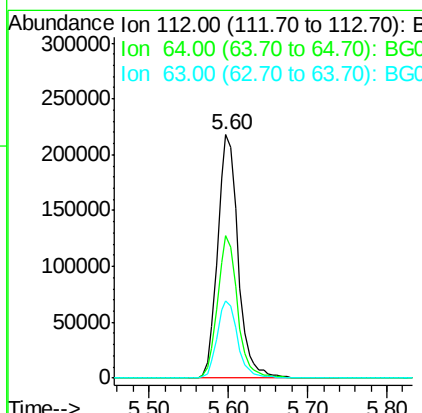
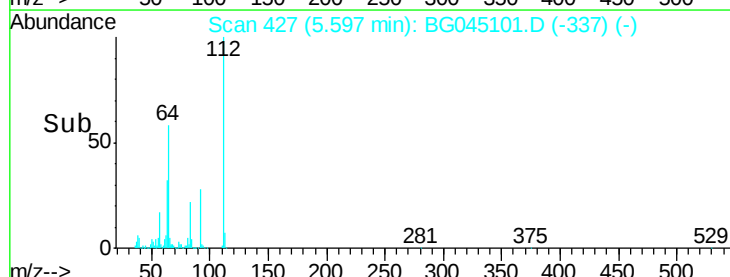
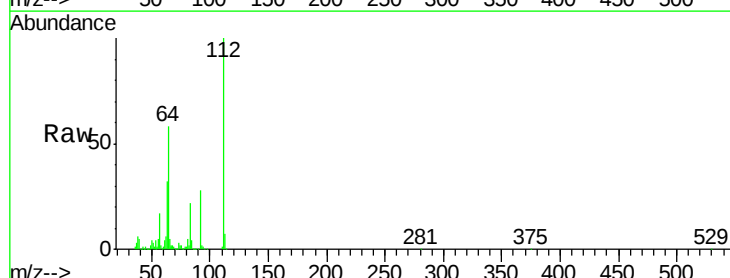
Instrument :
 BNA_G
 ClientSampleId :

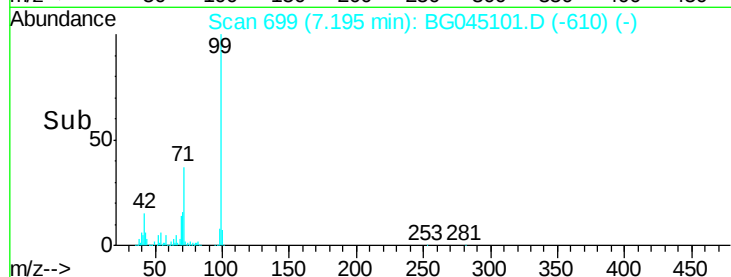
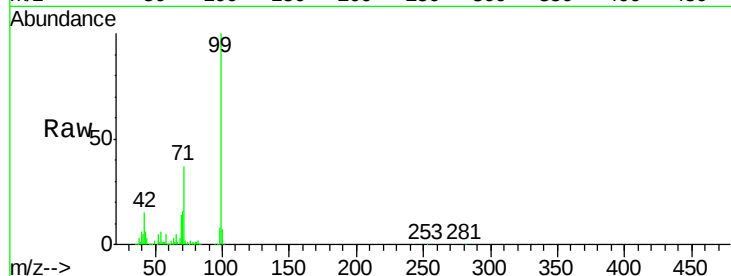
Tot Ion:	152	Resp:	77396
Ion	Ratio	Lower	Upper
152	100		
150	167.9	123.6	185.4
115	62.7	49.1	73.7



#5
 2-Fluorophenol
 Concen: 83.103 ng
 RT: 5.60 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: BG045101.D
 Acq: 20 Apr 2020 18:23

Tgt Ion:	112	Resp:	389584
Ion	Ratio	Lower	Upper
112	100		
64	58.4	42.4	63.6
63	31.7	23.1	34.7





#7

Phenol-d6

Concen: 85.533 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG045101.D

Acq: 20 Apr 2020 18:23

Instrument :

BNA_G

ClientSampleId :

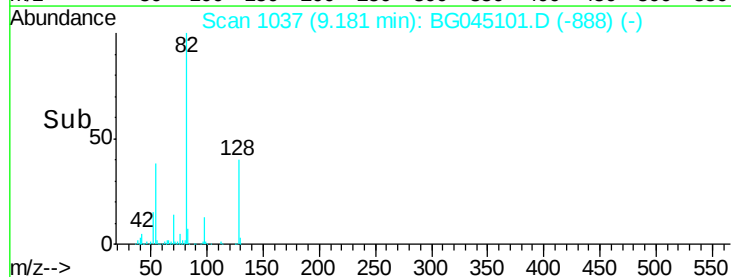
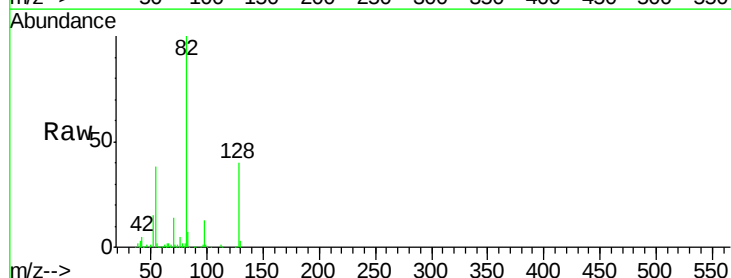
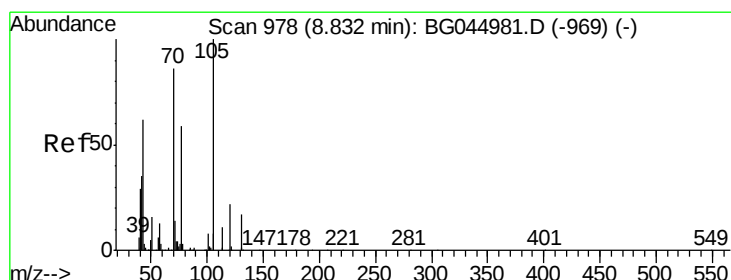
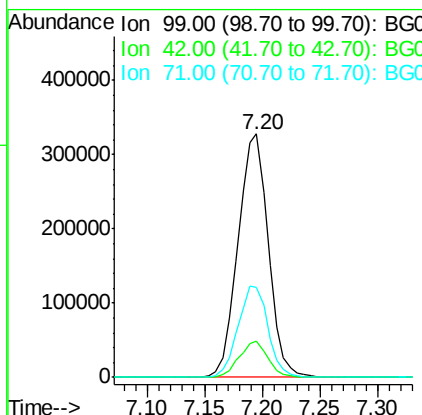
Tot Ion: 99 Resp: 595751

Ion Ratio Lower Upper

99 100

42 14.7 11.3 16.9

71 36.8 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 11.474 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG045101.D

Acq: 20 Apr 2020 18:23

Tgt Ion: 70 Resp: 56519

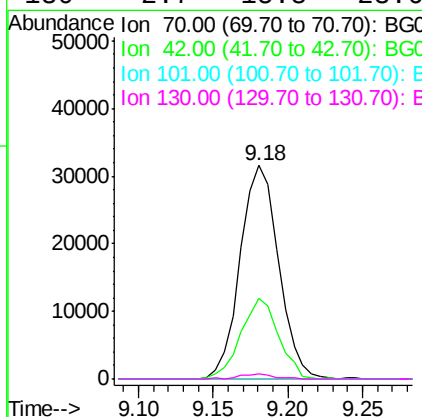
Ion Ratio Lower Upper

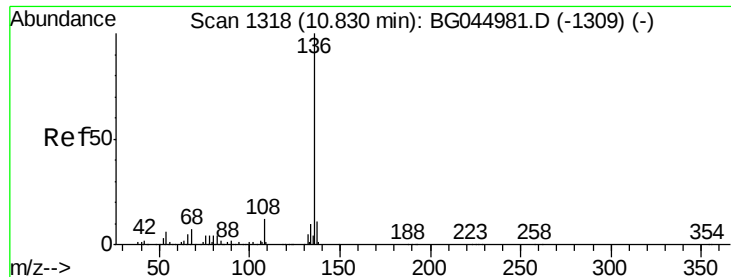
70 100

42 38.0 33.3 49.9

101 0.0 7.8 11.8#

130 2.7 15.8 23.6#

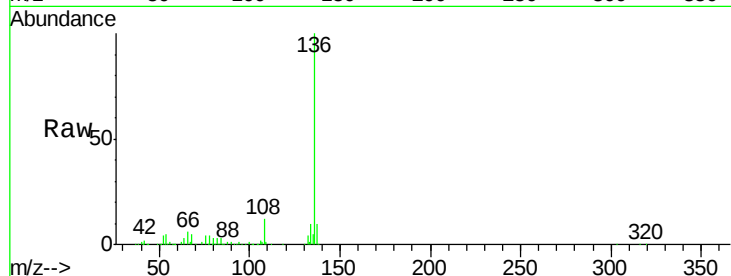




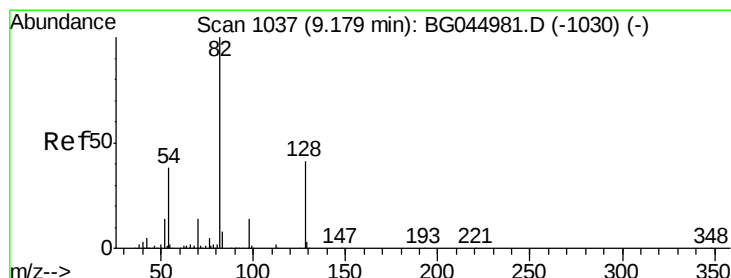
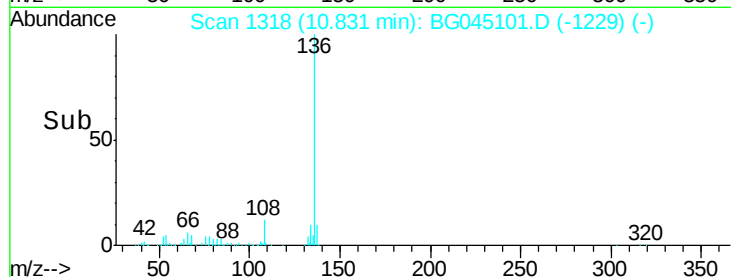
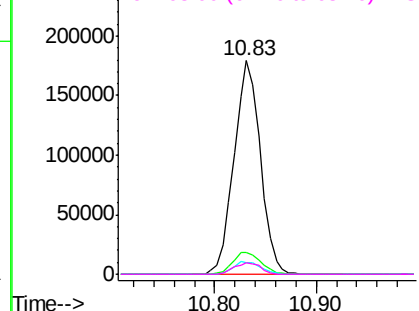
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BG045101.D
Acq: 20 Apr 2020 18:23

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	323109
Ion Ratio	Lower	Upper
136 100		
137 10.4	8.6	13.0
54 5.3	4.8	7.2
68 5.4	5.2	7.8

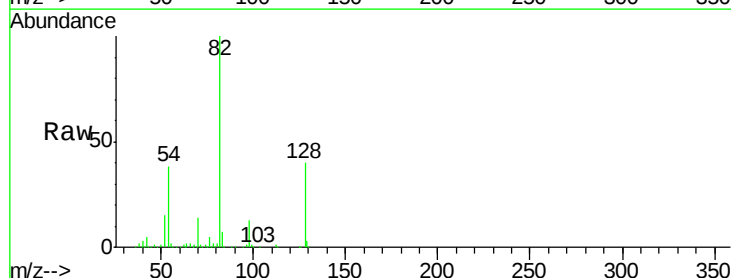


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

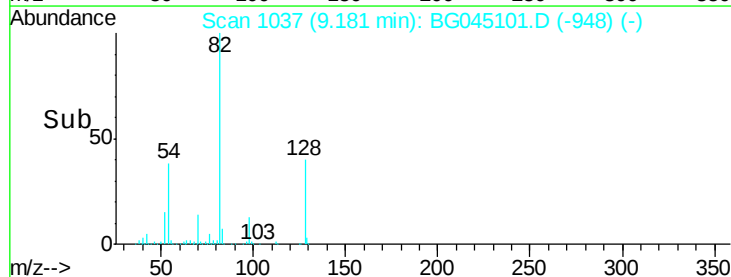
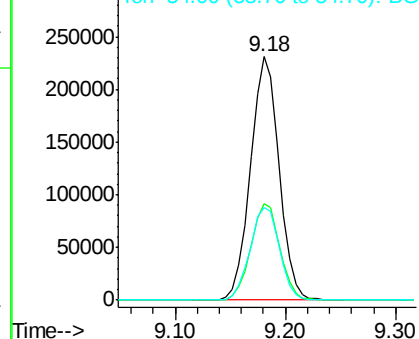


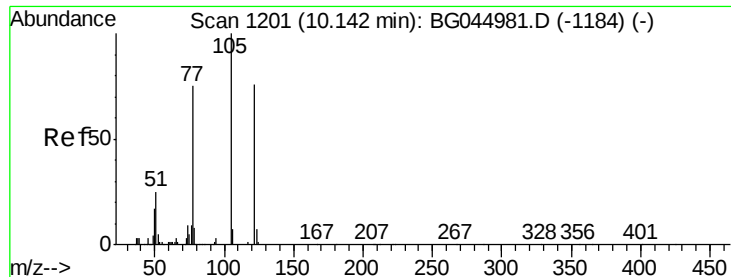
#23
Nitrobenzene-d5
Concen: 59.291 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BG045101.D
Acq: 20 Apr 2020 18:23

Tgt Ion: 82	Resp: 419851
Ion Ratio	Lower Upper
82 100	
128 39.6	33.0 49.4
54 37.8	30.4 45.6



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

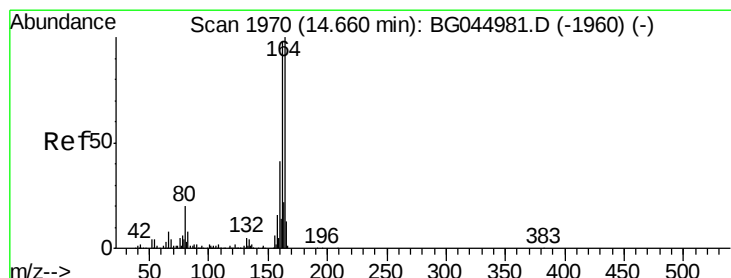
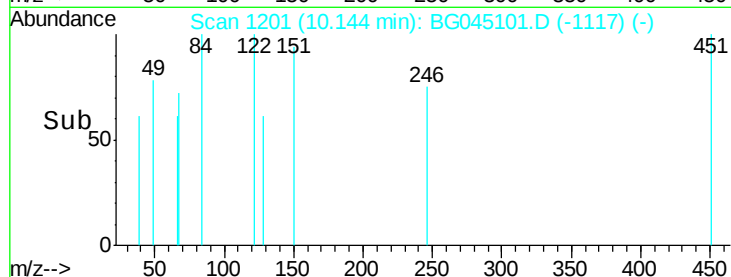
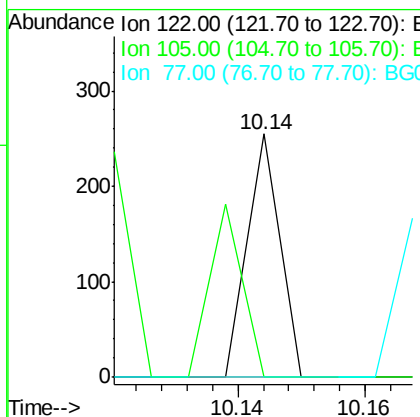
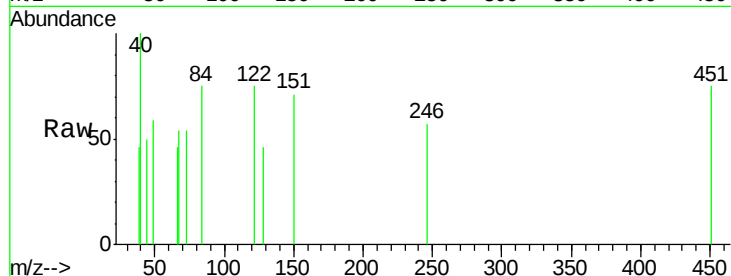




#32
Benzoic acid
Concen: 6.393 ng
RT: 10.14 min Scan# 1201
Delta R.T. -0.03 min
Lab File: BG045101.D
Acq: 20 Apr 2020 18:23

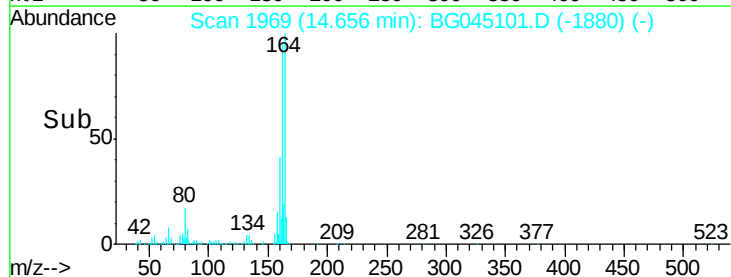
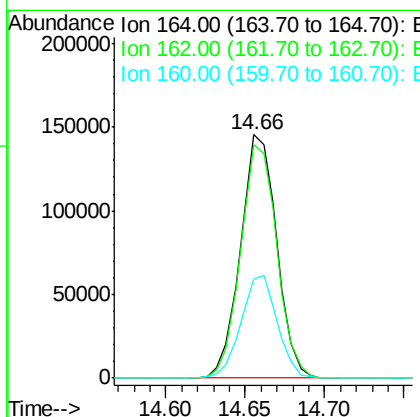
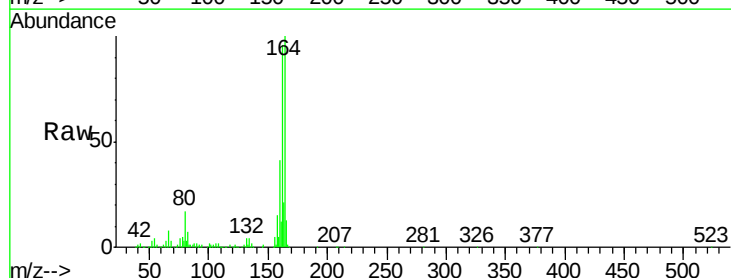
Instrument :
BNA_G
ClientSampleId :

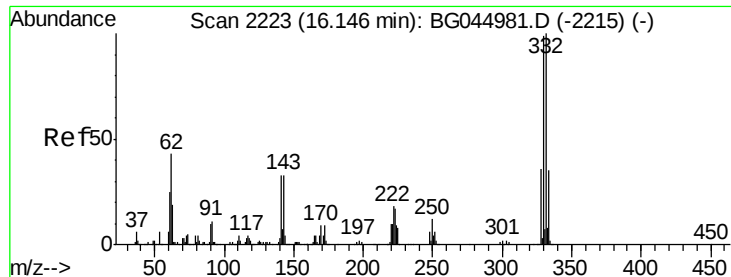
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	108.4	148.4#
77	0.0	78.8	118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG045101.D
Acq: 20 Apr 2020 18:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.9	78.7	118.1
160	40.7	32.8	49.2

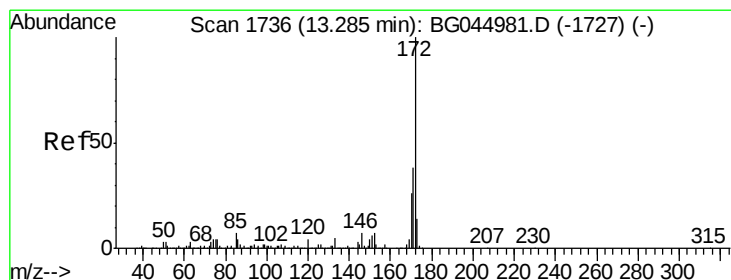
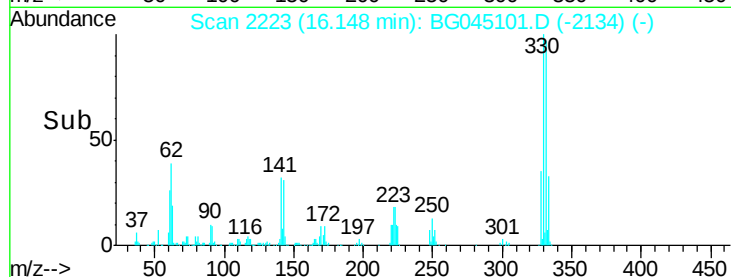
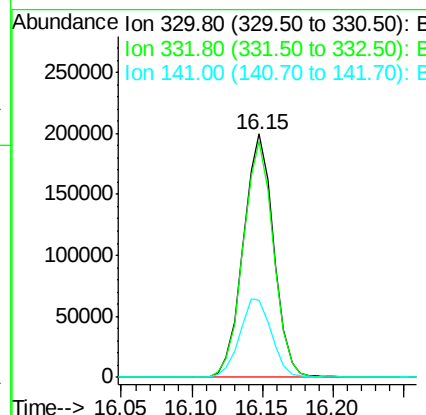
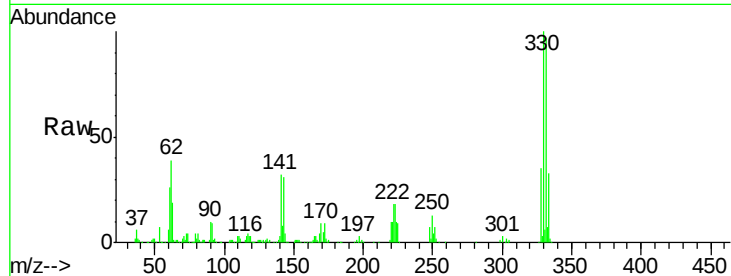




#42
 2,4,6-Tribromophenol
 Concen: 84.130 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG045101.D
 Acq: 20 Apr 2020 18:23

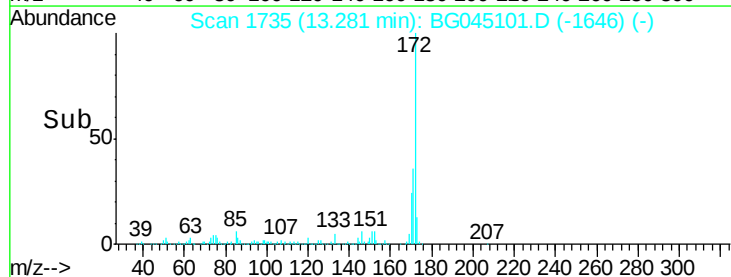
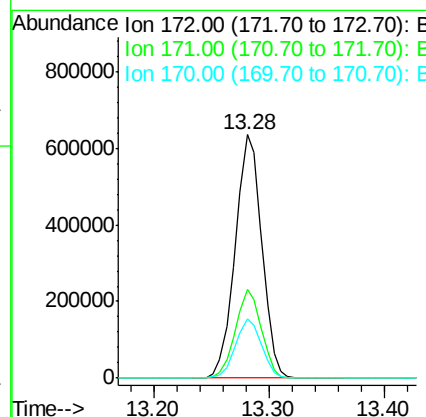
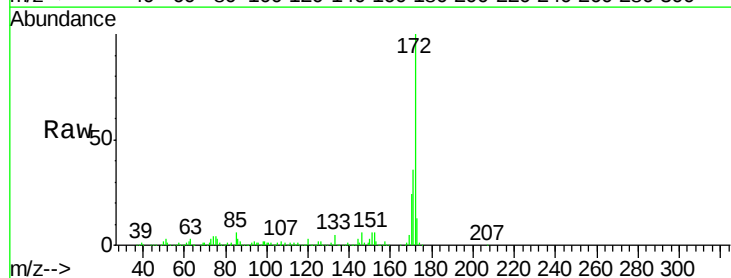
Instrument :
 BNA_G
 ClientSampleId :

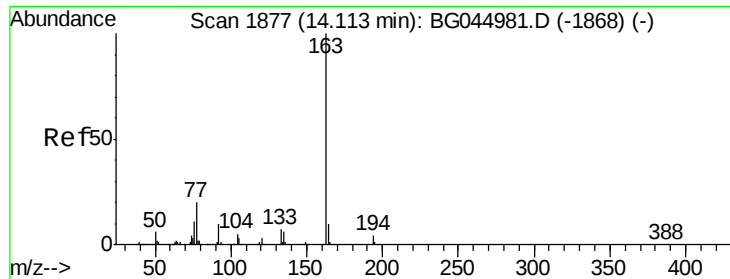
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	79.1	118.7
141	33.7	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 64.328 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG045101.D
 Acq: 20 Apr 2020 18:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.6	46.0
170	24.2	20.5	30.7





#50

Dimethylphthalate

Concen: 8.396 ng

RT: 14.10 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG045101.D

Acq: 20 Apr 2020 18:23

Instrument :

BNA_G

ClientSampleId :

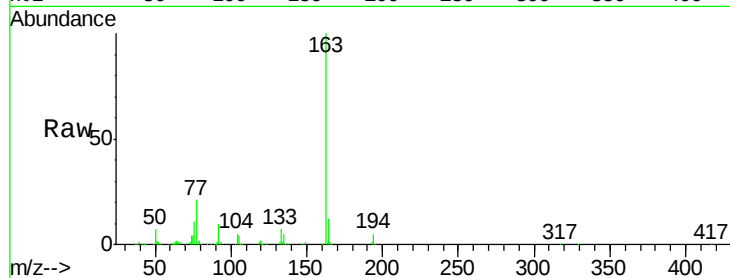
Tot Ion:163 Resp: 157652

Ion Ratio Lower Upper

163 100

194 4.7 3.5 5.3

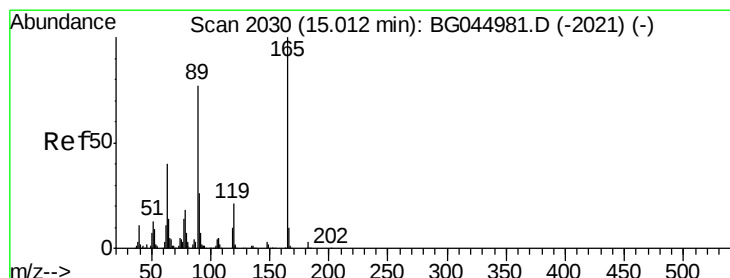
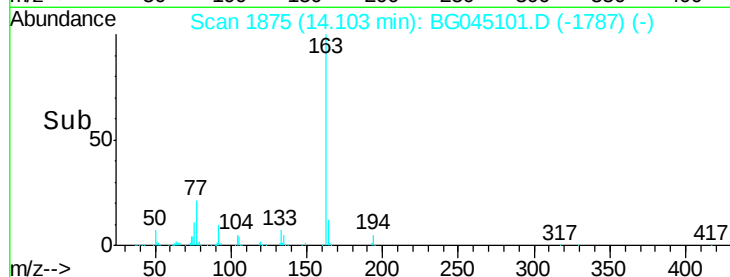
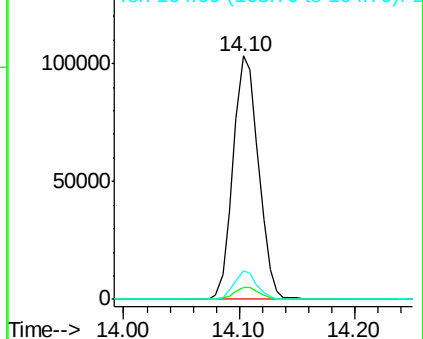
164 11.6 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 4.902 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.36 min

Lab File: BG045101.D

Acq: 20 Apr 2020 18:23

Tgt Ion:165 Resp: 30087

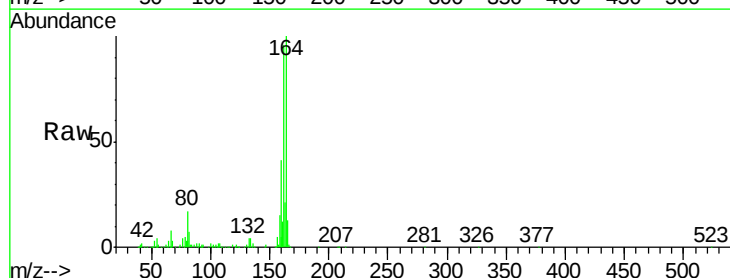
Ion Ratio Lower Upper

165 100

63 2.0 32.2 48.2#

89 2.4 61.7 92.5#

182 0.0 2.0 3.0#

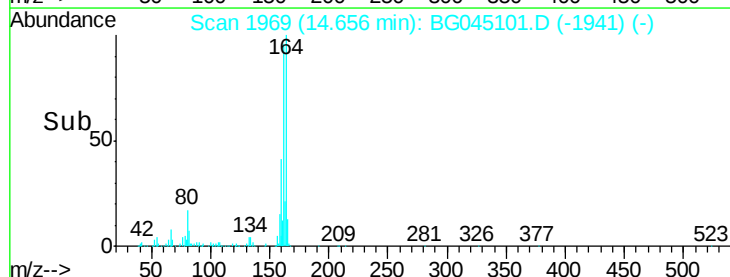
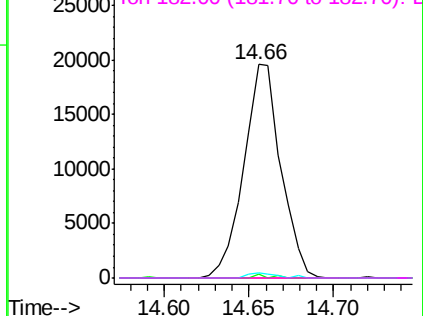


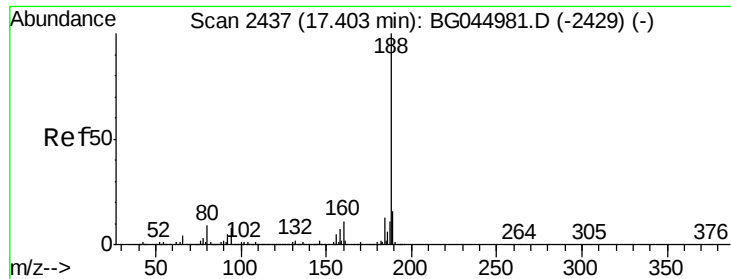
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG045101.D

Acq: 20 Apr 2020 18:23

Instrument :

BNA_G

ClientSampleId :

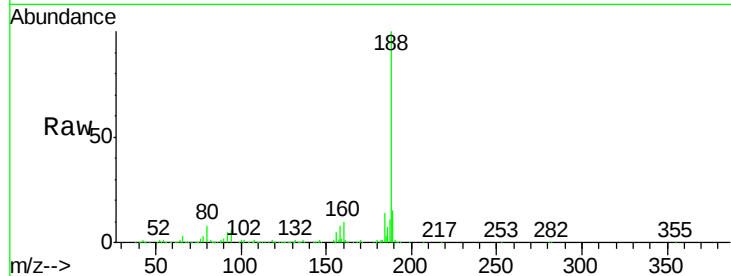
Tot Ion:188 Resp: 496163

Ion Ratio Lower Upper

188 100

94 6.4 6.2 9.4

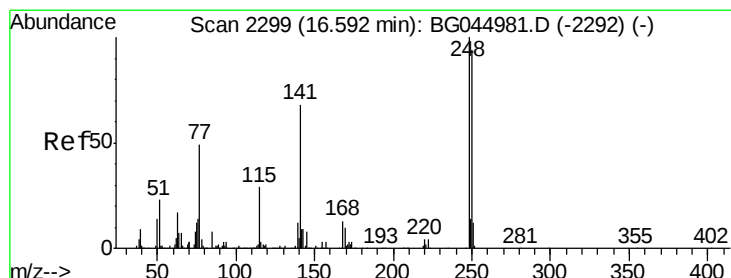
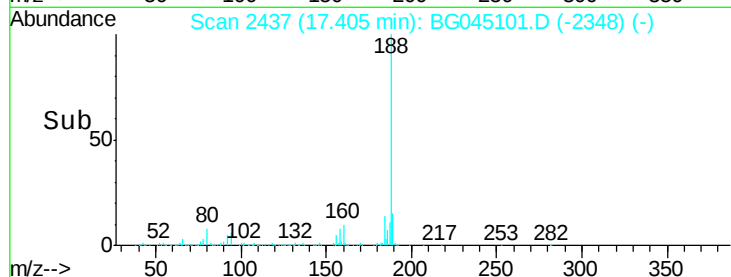
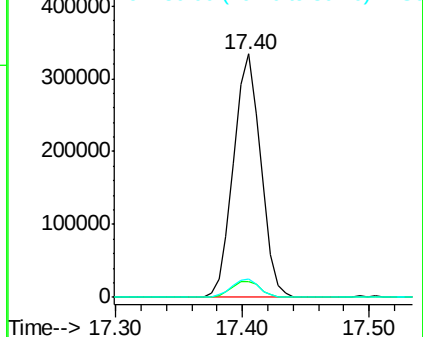
80 7.8 7.0 10.6



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: 3.265 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG045101.D

Acq: 20 Apr 2020 18:23

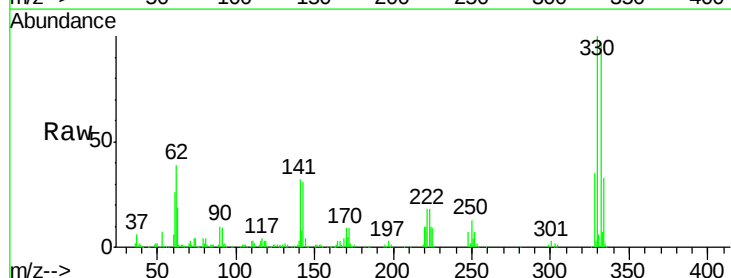
Tgt Ion:248 Resp: 20901

Ion Ratio Lower Upper

248 100

250 171.0 75.4 113.2#

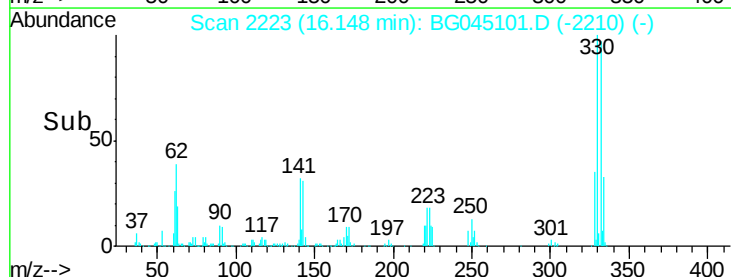
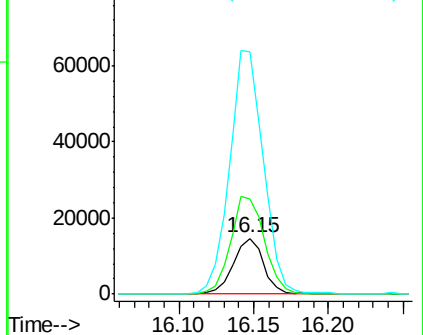
141 432.6 54.4 81.6#

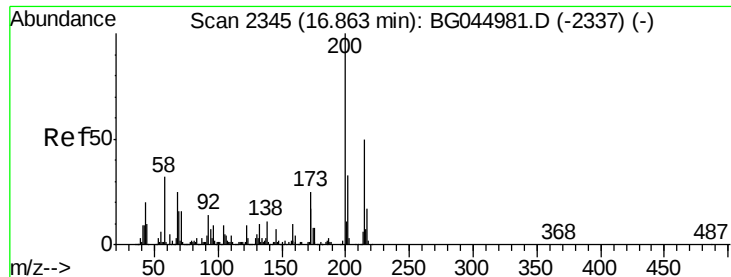


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.89 min Scan# 2350

Delta R.T. 0.03 min

Lab File: BG045101.D

Acq: 20 Apr 2020 18:23

Instrument :

BNA_G

ClientSampled :

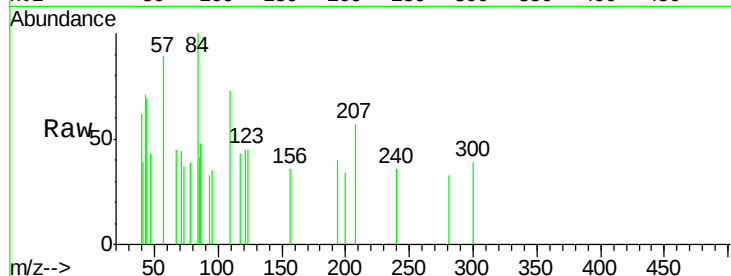
Tot Ion:200 Resp: 56

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

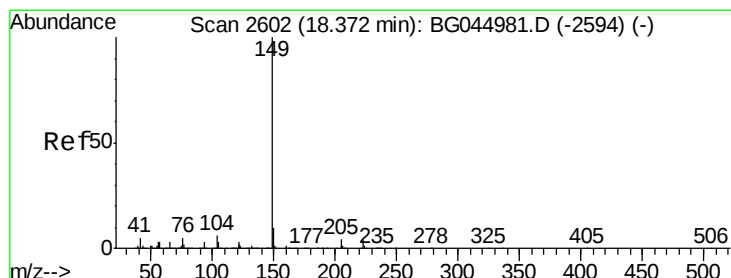
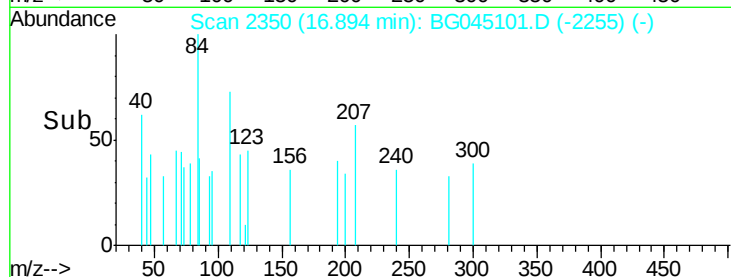
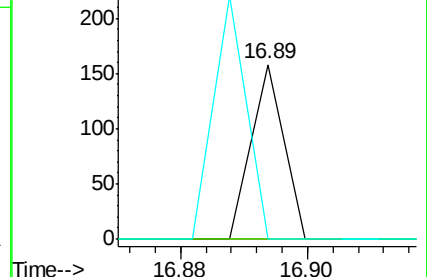
215 0.0 30.0 70.0#



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: 18.37 min Scan# 2601

Delta R.T. -0.01 min

Lab File: BG045101.D

Acq: 20 Apr 2020 18:23

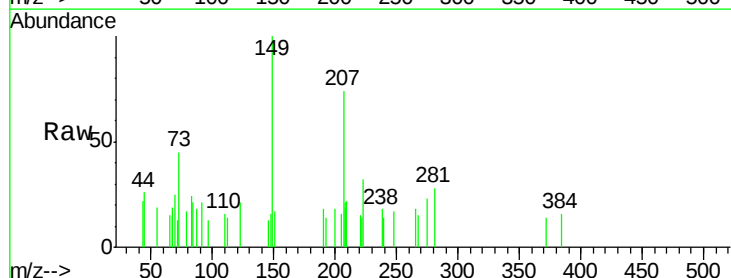
Tgt Ion:149 Resp: 1841

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

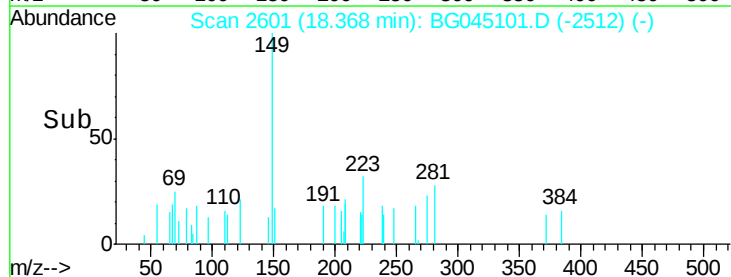
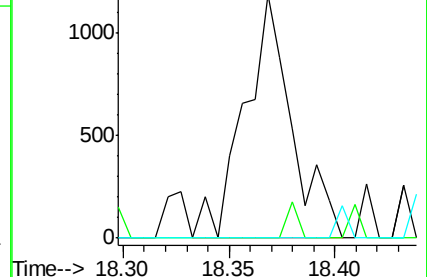
104 0.0 4.8 7.2#

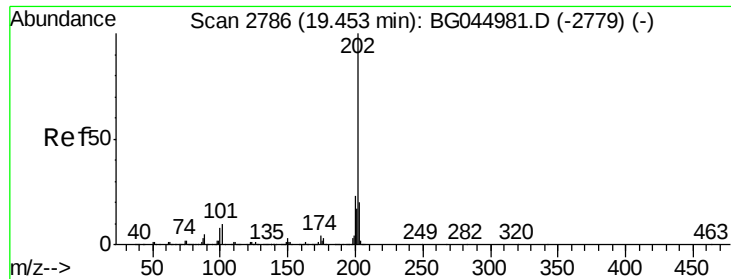


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

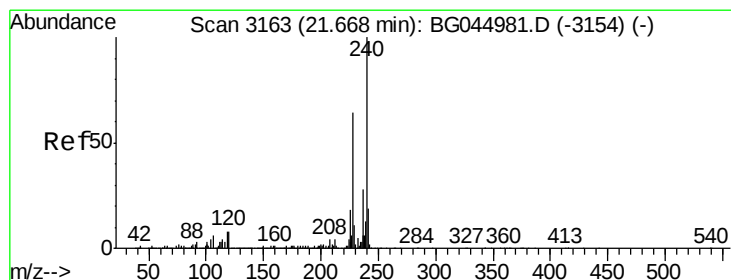
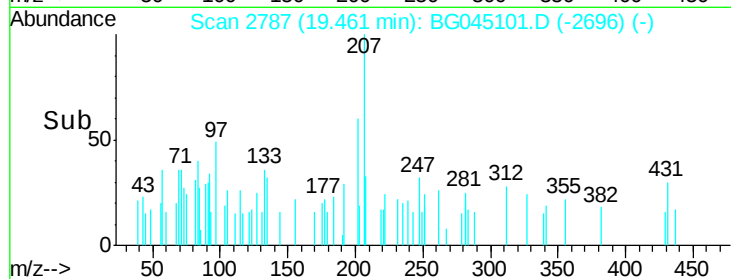
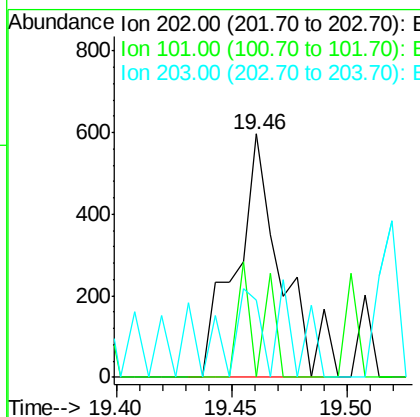
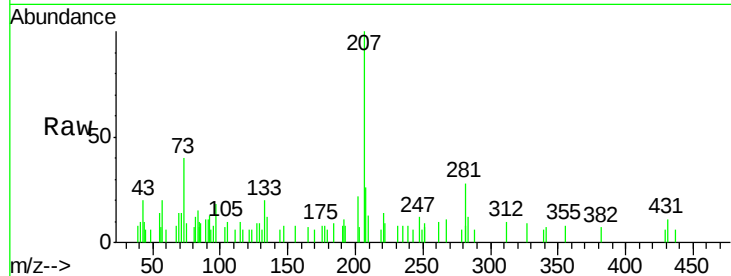




#75
 Fluoranthene
 Concen: Below Cal
 RT: 19.46 min Scan# 2787
 Delta R.T. 0.01 min
 Lab File: BG045101.D
 Acq: 20 Apr 2020 18:23

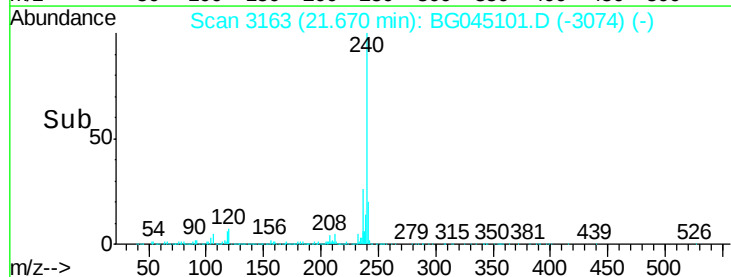
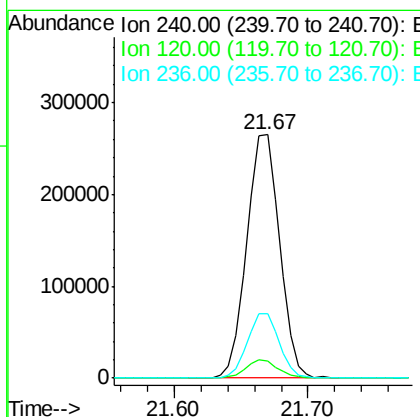
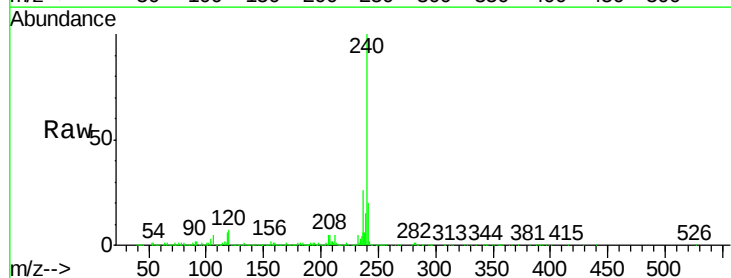
Instrument :
 BNA_G
 ClientSampleId :

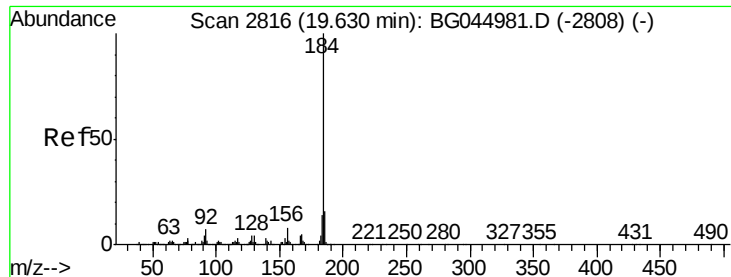
Tot Ion:	202	Resp:	814
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	31.5	0.0	39.7



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3163
 Delta R.T. -0.01 min
 Lab File: BG045101.D
 Acq: 20 Apr 2020 18:23

Tgt Ion:	240	Resp:	449040
Ion	Ratio	Lower	Upper
240	100		
120	7.0	6.6	10.0
236	26.5	22.2	33.2





#77

Benzidine

Concen: Below Cal

RT: 19.64 min Scan# 2817

Delta R.T. 0.01 min

Lab File: BG045101.D

Acq: 20 Apr 2020 18:23

Instrument :

BNA_G

ClientSampleId :

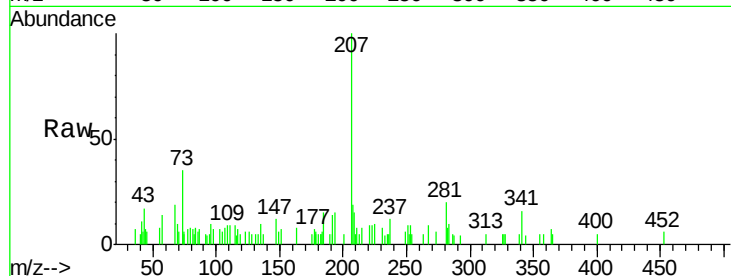
Tot Ion:184 Resp: 1005

Ion Ratio Lower Upper

184 100

185 0.0 12.6 19.0#

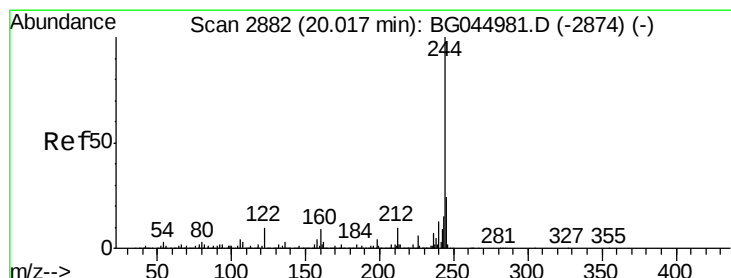
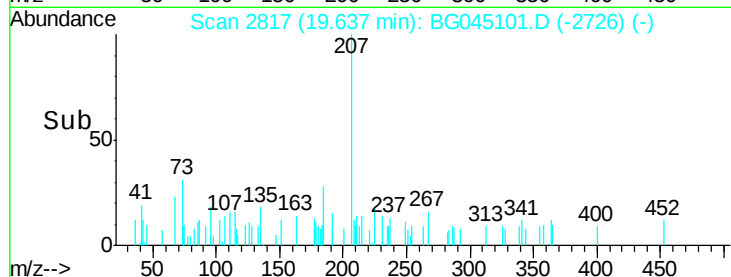
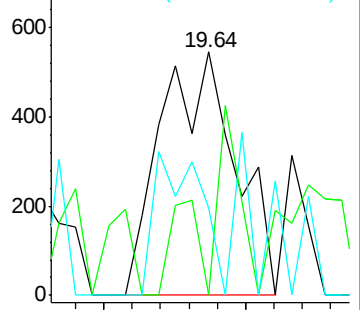
183 36.1 11.3 16.9#



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: 71.763 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG045101.D

Acq: 20 Apr 2020 18:23

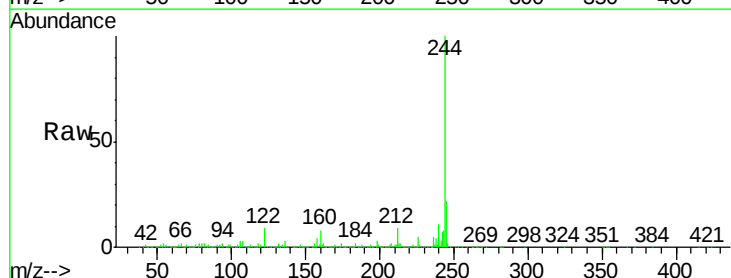
Tgt Ion:244 Resp: 1478471

Ion Ratio Lower Upper

244 100

212 9.0 7.9 11.9

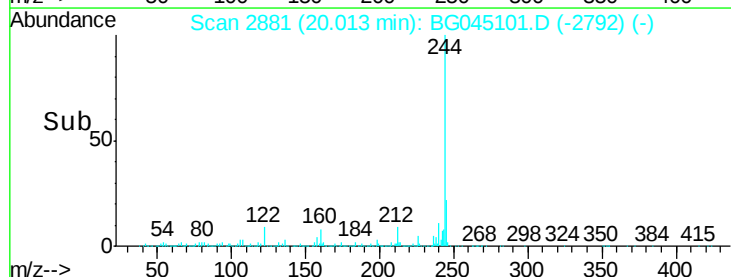
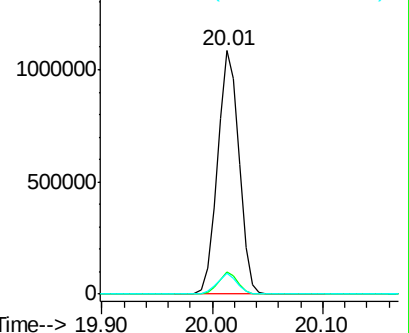
122 8.8 7.7 11.5

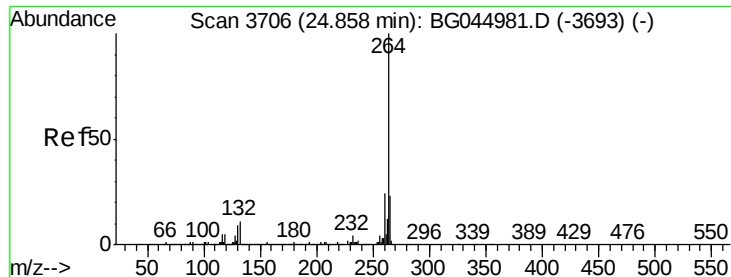


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.86 min Scan# 3706
 Delta R.T. -0.01 min
 Lab File: BG045101.D
 Acq: 20 Apr 2020 18:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	22.1	19.0	28.4

