

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045074.D
 Acq On : 18 Apr 2020 19:41
 Operator : CG/JU
 Sample : L2271-04
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BG-4

Quant Time: Apr 20 00:22:32 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	57487	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	248815	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	195385	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	455483	20.00	ng	0.00
76) Chrysene-d12	21.66	240	419742	20.00	ng	0.00
87) Perylene-d12	24.85	264	445015	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	309070	88.76	ng	0.00
7) Phenol-d6	7.18	99	464095	89.71	ng	0.00
23) Nitrobenzene-d5	9.17	82	348389	63.89	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	309924	102.68	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	901210	67.63	ng	0.00
79) Terphenyl-d14	20.01	244	1494996	77.63	ng	0.00

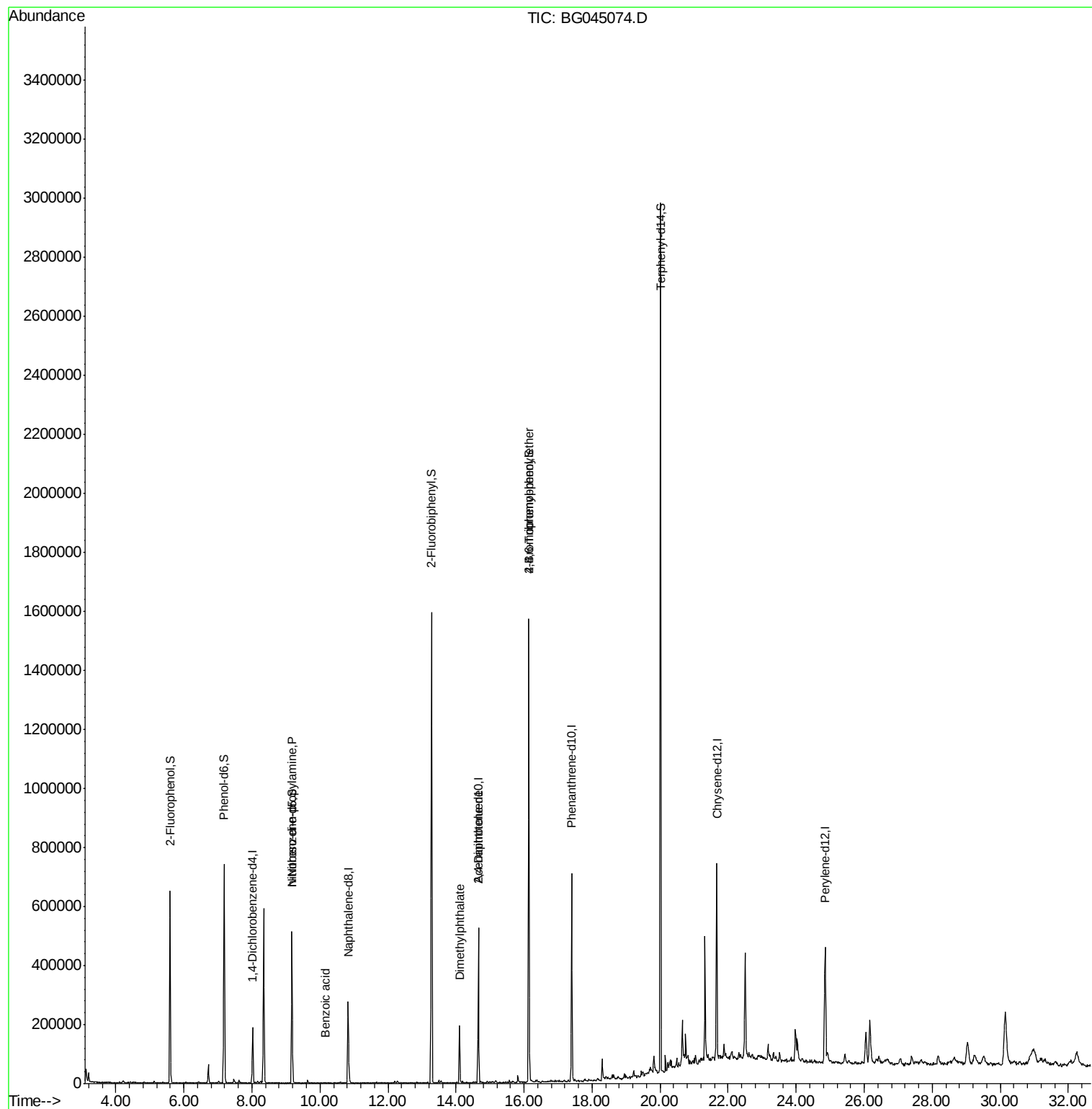
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.12	77	125	Below Cal	#	12
19) n-Nitroso-di-n-propylamine	9.17	70	45619	12.469 ng	#	75
32) Benzoic acid	10.14	122	55	6.389 ng	#	1
50) Dimethylphthalate	14.10	163	132559	8.332 ng		99
57) 2,4-Dinitrotoluene	14.66	165	26311	5.060 ng	#	22
67) 4-Bromophenyl-phenylether	16.14	248	20810	3.541 ng	#	1
69) Atrazine	16.76	200	66	Below Cal	#	35
74) Di-n-butylphthalate	18.37	149	2357	Below Cal	#	80
75) Fluoranthene	19.45	202	9319	Below Cal		96
77) Benzidine	20.01	184	27425	Below Cal	#	90

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

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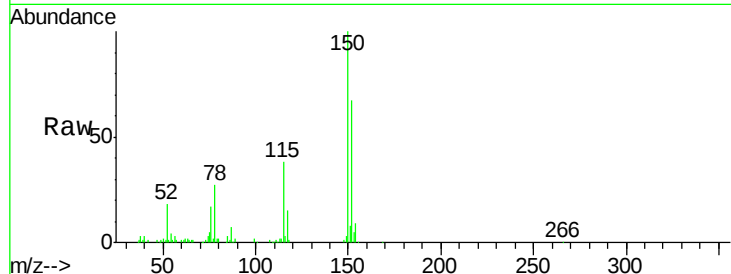


#1

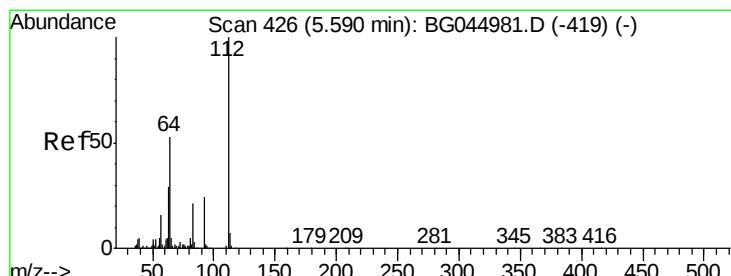
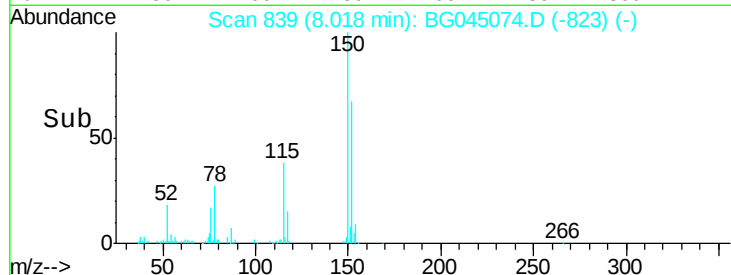
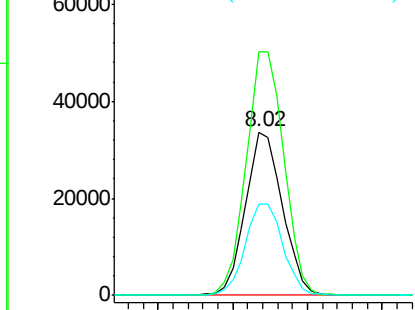
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BG045074.D
Acq: 18 Apr 2020 19:41

Instrument :
BNA_G
ClientSampleId :
BG-4

Tot Ion	152	Resp	57487
Ion Ratio	Lower	Upper	
152	100		
150	148.8	123.6	185.4
115	55.9	49.1	73.7



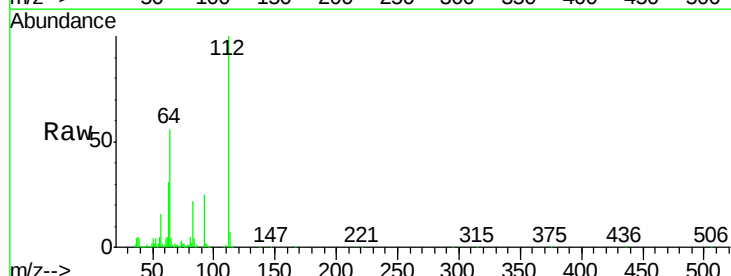
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



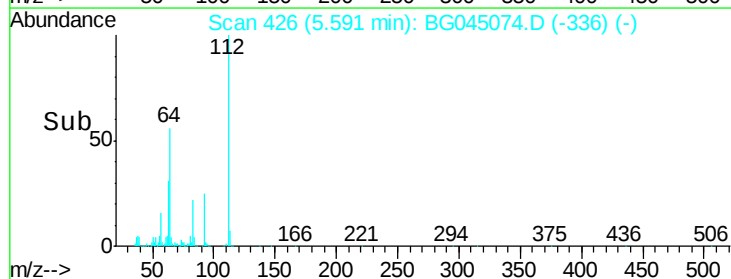
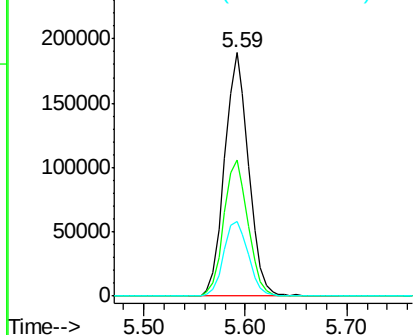
#5

2-Fluorophenol
Concen: 88.761 ng
RT: 5.59 min Scan# 426
Delta R.T. -0.00 min
Lab File: BG045074.D
Acq: 18 Apr 2020 19:41

Tgt Ion	112	Resp	309070
Ion Ratio	Lower	Upper	
112	100		
64	56.0	42.4	63.6
63	30.8	23.1	34.7



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





#7

Phenol-d6

Concen: 89.707 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG045074.D

Acq: 18 Apr 2020 19:41

Instrument :

BNA_G

ClientSampleId :

BG-4

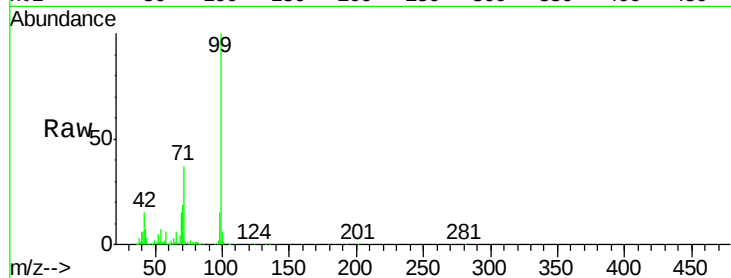
Tot Ion: 99 Resp: 464095

Ion Ratio Lower Upper

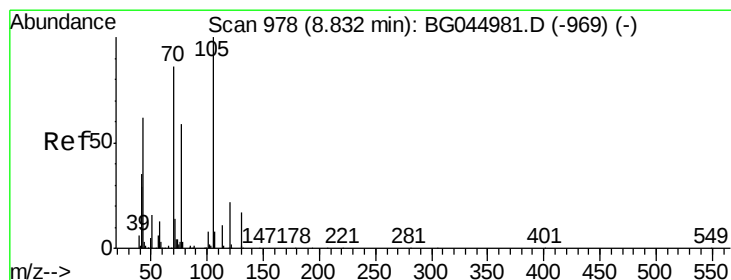
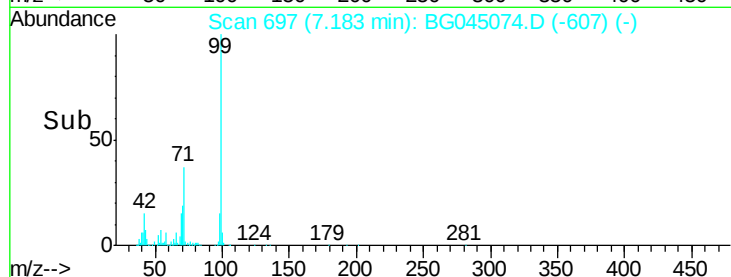
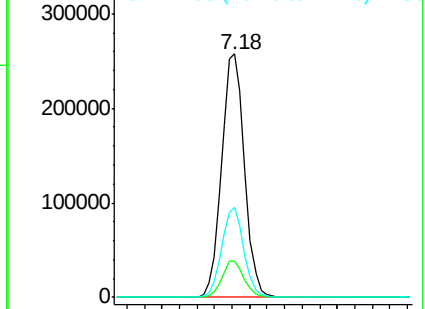
99 100

42 15.0 11.3 16.9

71 36.9 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: 12.469 ng

RT: 9.17 min Scan# 1036

Delta R.T. 0.35 min

Lab File: BG045074.D

Acq: 18 Apr 2020 19:41

Tgt Ion: 70 Resp: 45619

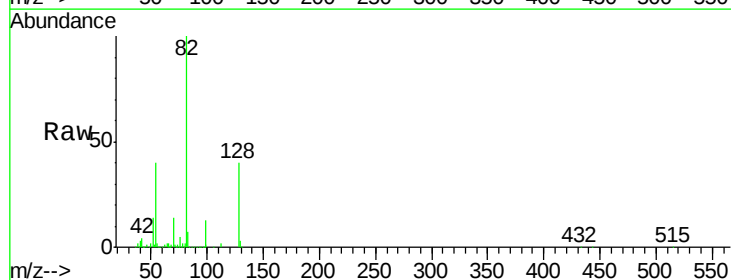
Ion Ratio Lower Upper

70 100

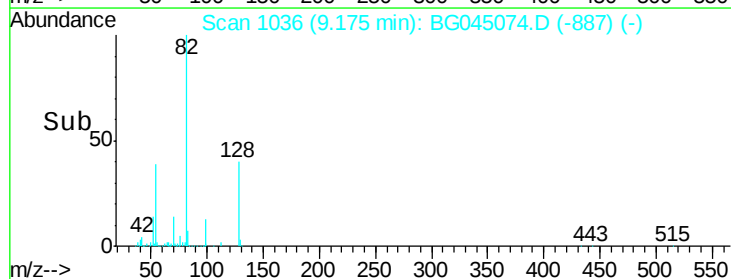
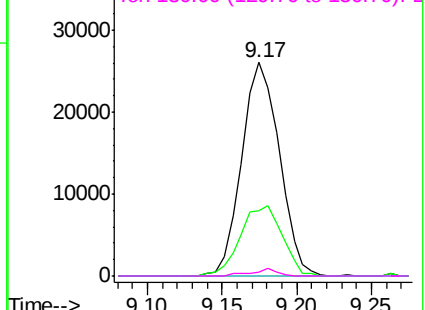
42 30.3 33.3 49.9#

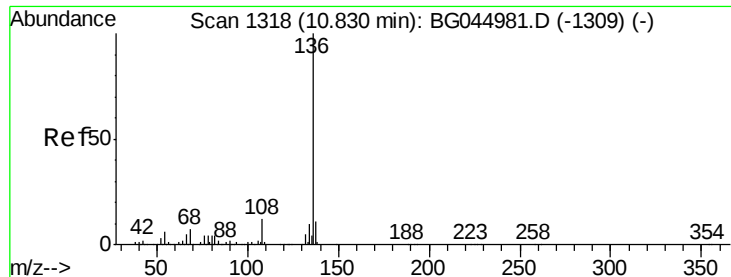
101 0.0 7.8 11.8#

130 1.9 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

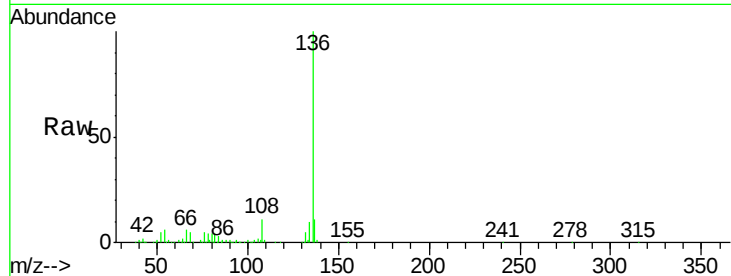




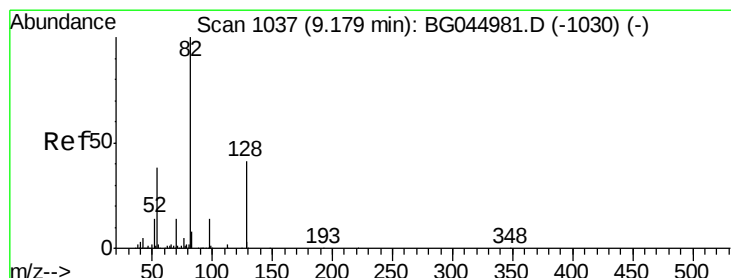
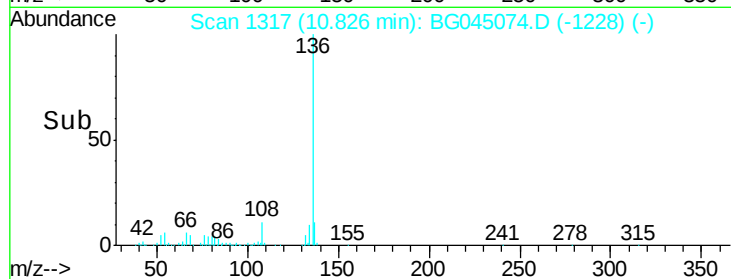
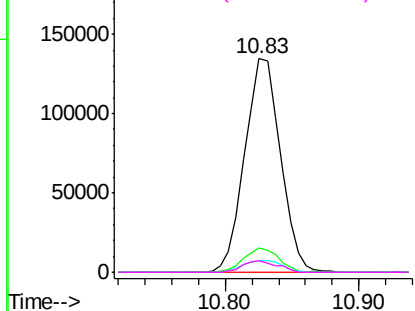
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BG045074.D
Acq: 18 Apr 2020 19:41

Instrument :
BNA_G
ClientSampleId :
BG-4

Tot Ion:136	Resp:	248815
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.6 13.0
54	5.6	4.8 7.2
68	5.4	5.2 7.8

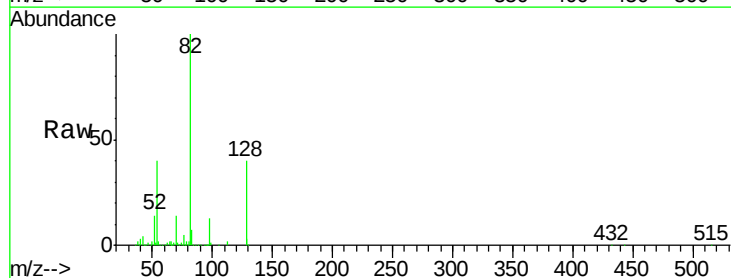


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

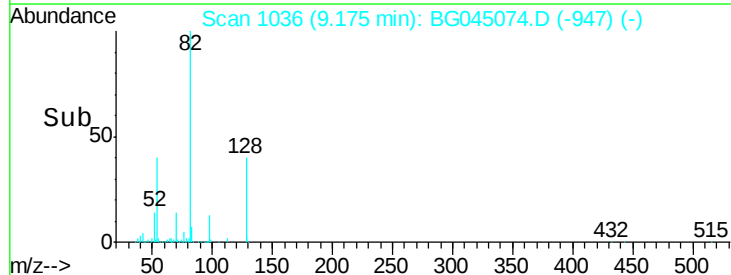
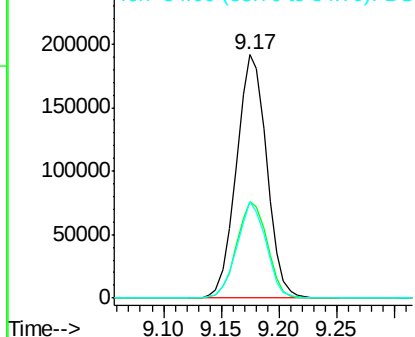


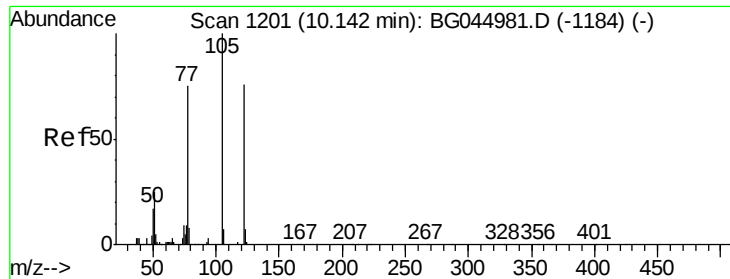
#23
Nitrobenzene-d5
Concen: 63.889 ng
RT: 9.17 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BG045074.D
Acq: 18 Apr 2020 19:41

Tgt Ion: 82	Resp:	348389
Ion	Ratio	Lower Upper
82	100	
128	39.8	33.0 49.4
54	39.6	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

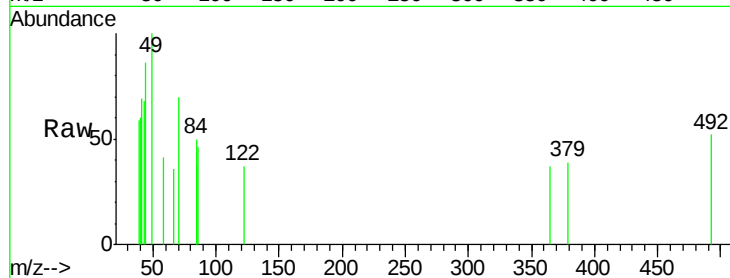




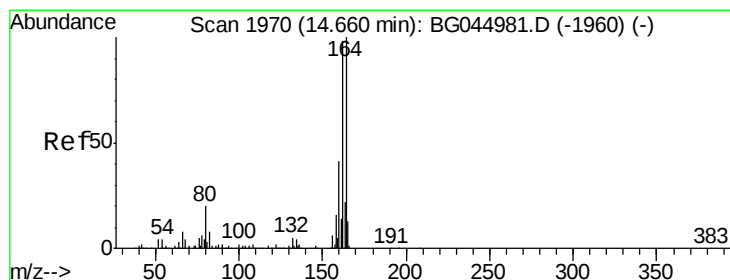
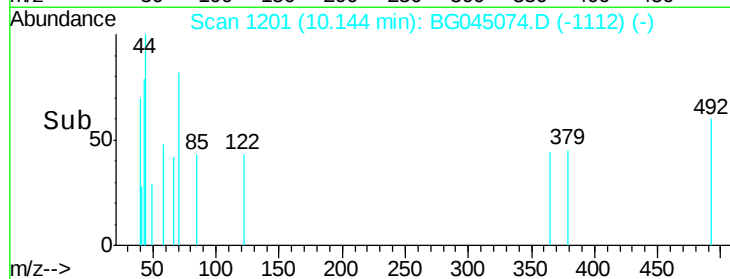
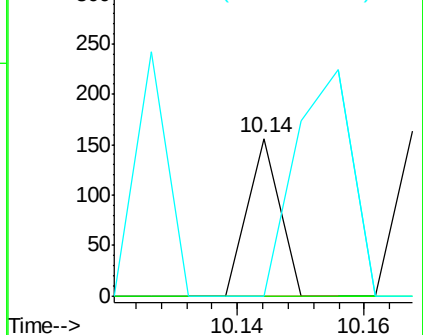
#32
Benzoic acid
Concen: 6.389 ng
RT: 10.14 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BG045074.D
Acq: 18 Apr 2020 19:41

Instrument :
BNA_G
ClientSampled :
BG-4

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

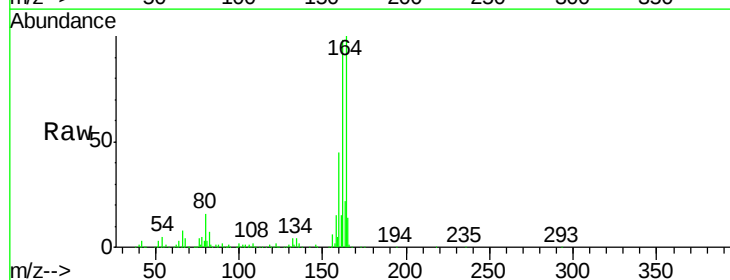


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

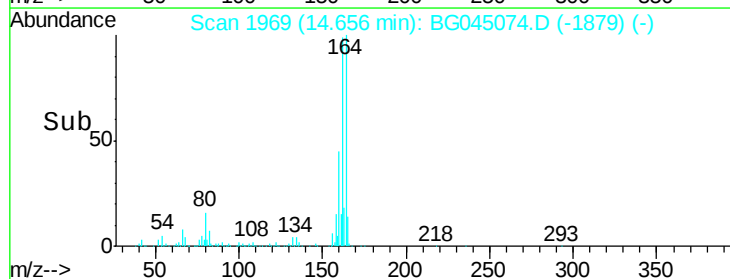
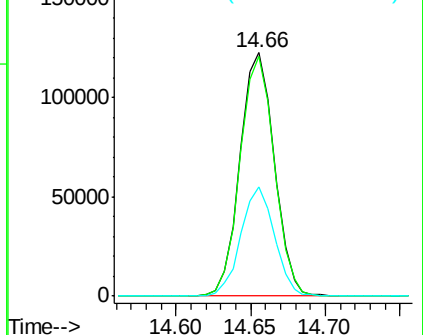


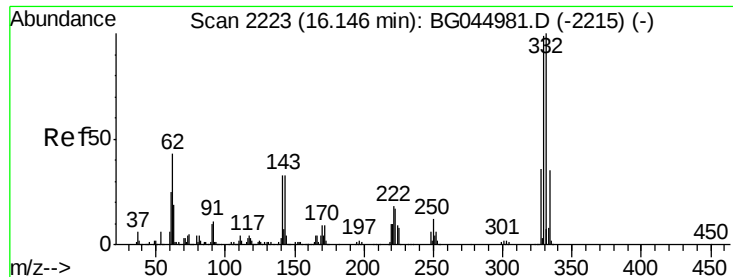
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG045074.D
Acq: 18 Apr 2020 19:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.4	78.7	118.1
160	44.6	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

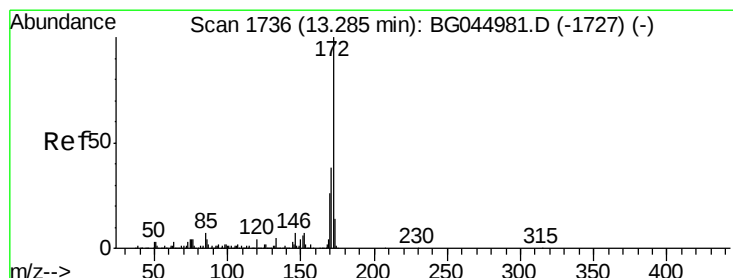
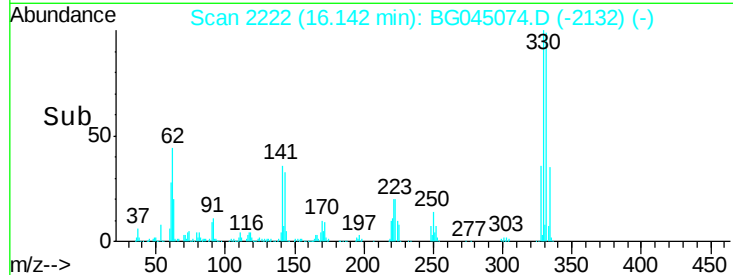
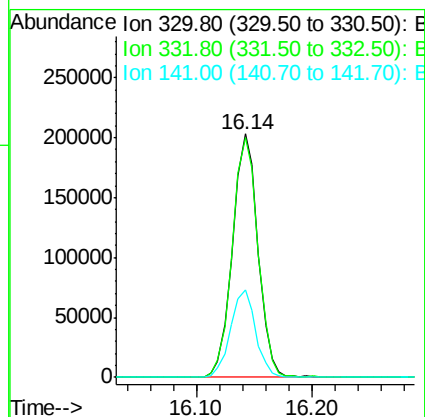
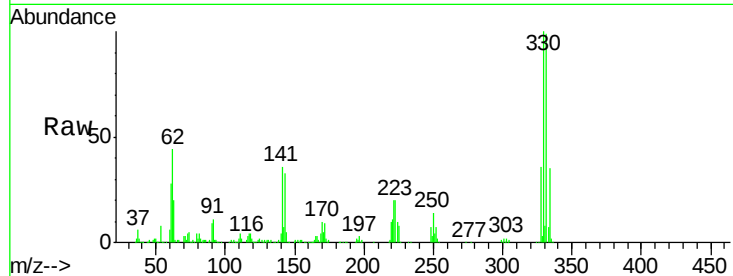




#42
 2,4,6-Tribromophenol
 Concen: 102.677 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG045074.D
 Acq: 18 Apr 2020 19:41

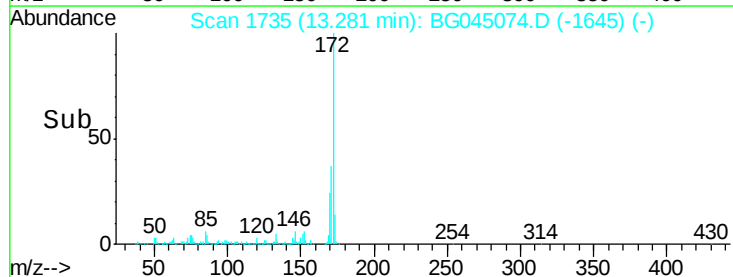
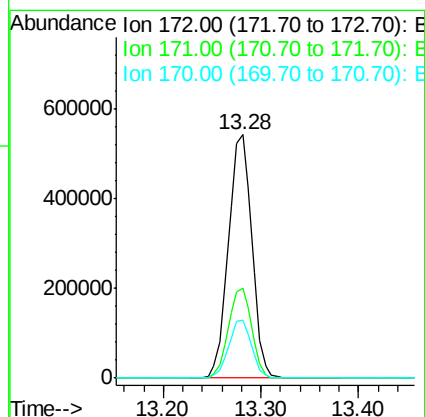
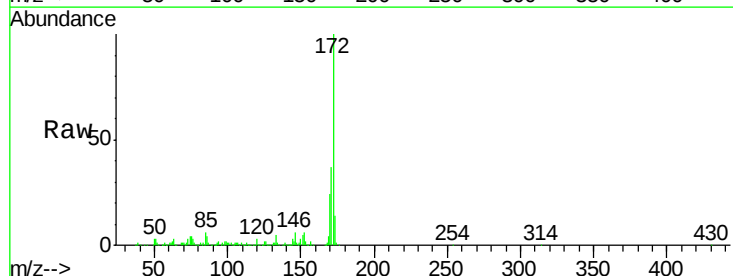
Instrument :
 BNA_G
 ClientSampleId :
 BG-4

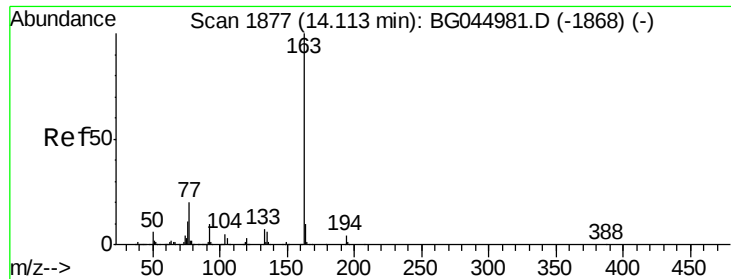
Tot Ion:	330	Resp:	309924
Ion	Ratio	Lower	Upper
330	100		
332	99.2	79.1	118.7
141	35.5	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 67.634 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG045074.D
 Acq: 18 Apr 2020 19:41

Tgt Ion:	172	Resp:	901210
Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.6	46.0
170	23.9	20.5	30.7





#50

Dimethylphthalate

Concen: 8.332 ng

RT: 14.10 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG045074.D

Acq: 18 Apr 2020 19:41

Instrument :

BNA_G

ClientSampleId :

BG-4

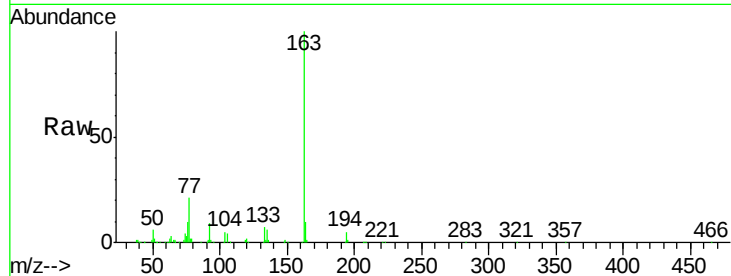
Tot Ion:163 Resp: 132559

Ion Ratio Lower Upper

163 100

194 4.6 3.5 5.3

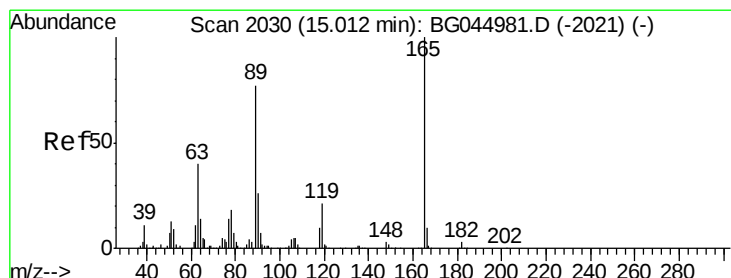
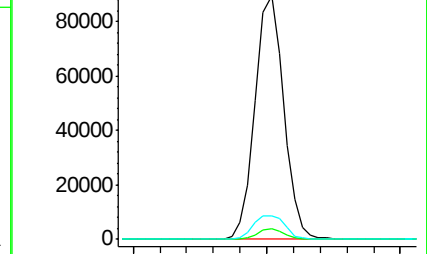
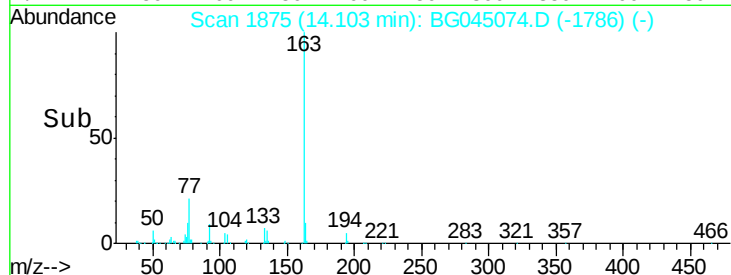
164 9.6 8.2 12.4



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: 5.060 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.35 min

Lab File: BG045074.D

Acq: 18 Apr 2020 19:41

Tgt Ion:165 Resp: 26311

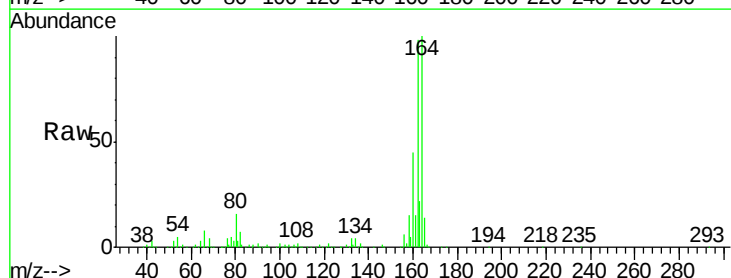
Ion Ratio Lower Upper

165 100

63 1.9 32.2 48.2#

89 0.0 61.7 92.5#

182 0.0 2.0 3.0#

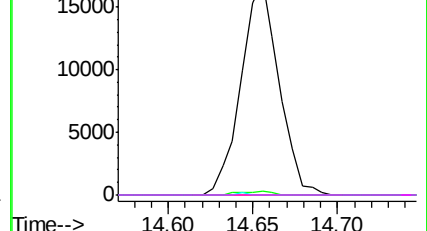
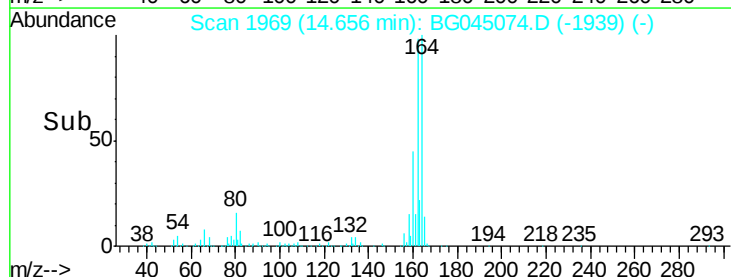


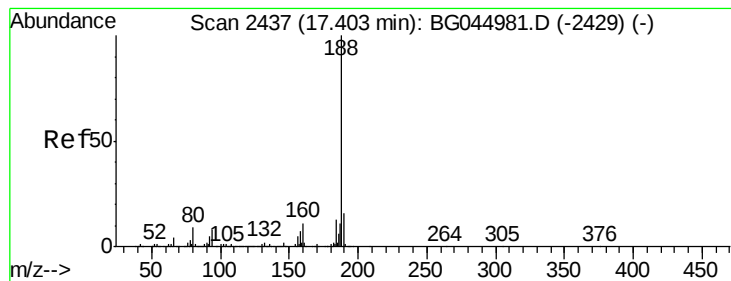
Abundance Ion 165.00 (164.70 to 165.70): E

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# 2436

Delta R.T. -0.00 min

Lab File: BG045074.D

Acq: 18 Apr 2020 19:41

Instrument :

BNA_G

ClientSampleId :

BG-4

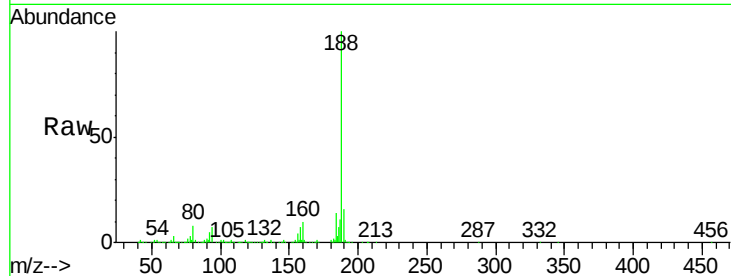
Tot Ion:188 Resp: 455483

Ion Ratio Lower Upper

188 100

94 6.6 6.2 9.4

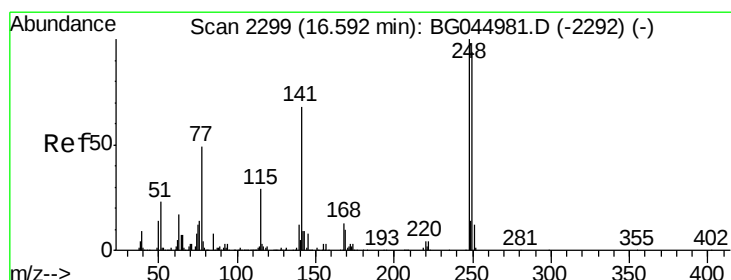
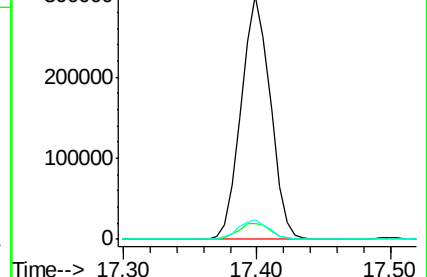
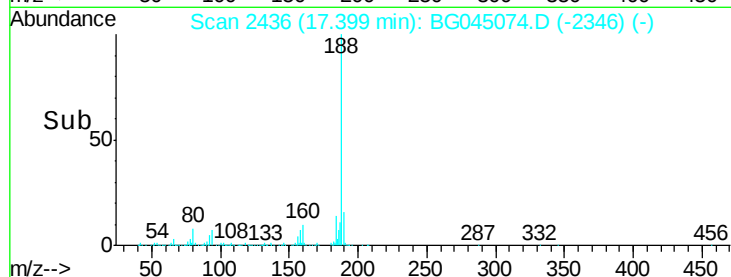
80 8.0 7.0 10.6



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: 3.541 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045074.D

Acq: 18 Apr 2020 19:41

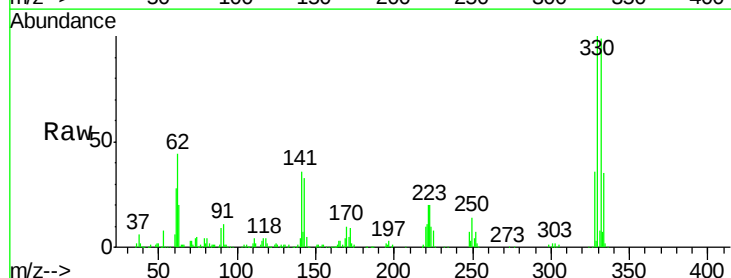
Tgt Ion:248 Resp: 20810

Ion Ratio Lower Upper

248 100

250 206.0 75.4 113.2#

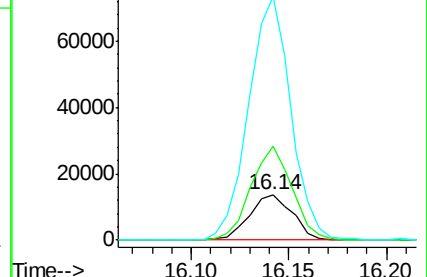
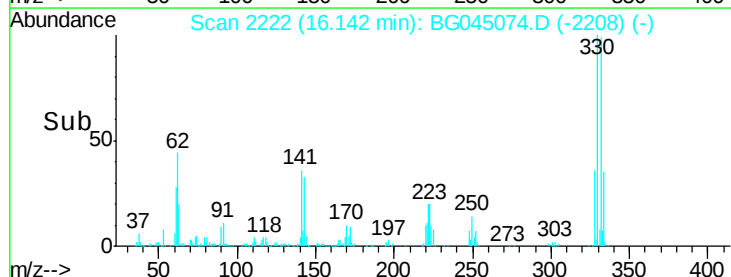
141 535.9 54.4 81.6#

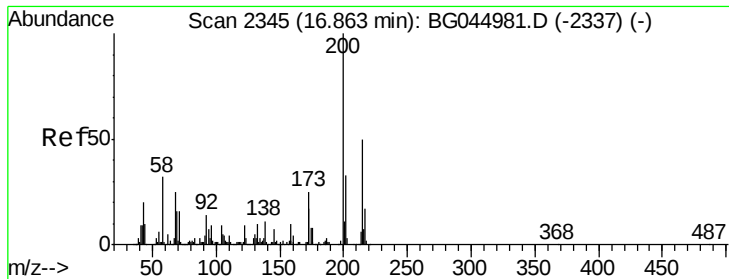


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.76 min Scan# 2327

Delta R.T. -0.10 min

Lab File: BG045074.D

Acq: 18 Apr 2020 19:41

Instrument :

BNA_G

ClientSampleId :

BG-4

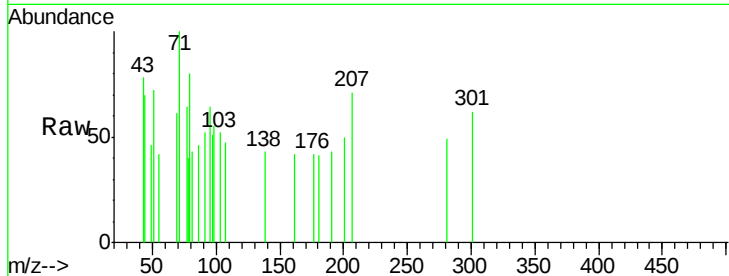
Tot Ion:200 Resp: 66

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

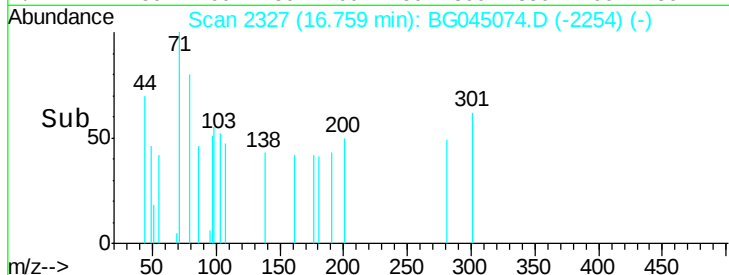
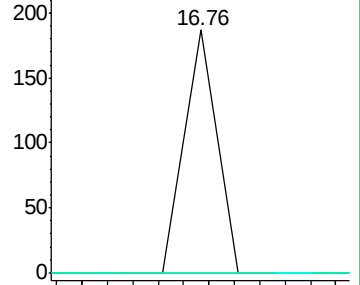
215 0.0 30.0 70.0#



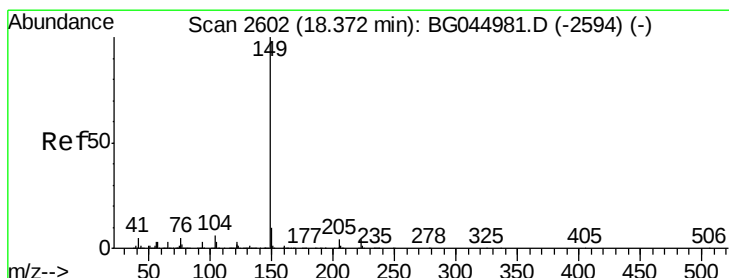
Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



Time-->



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.37 min Scan# 2601

Delta R.T. -0.00 min

Lab File: BG045074.D

Acq: 18 Apr 2020 19:41

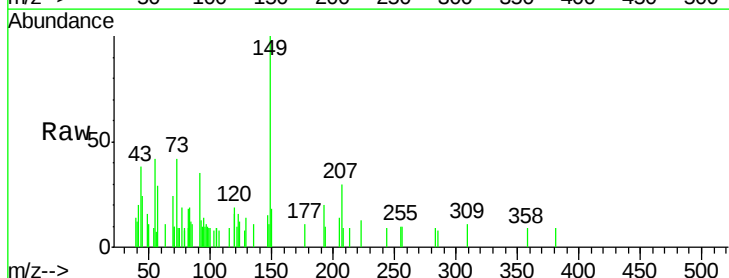
Tgt Ion:149 Resp: 2357

Ion Ratio Lower Upper

149 100

150 17.9 8.2 12.2#

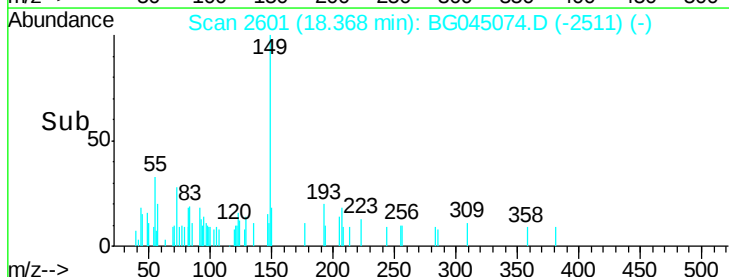
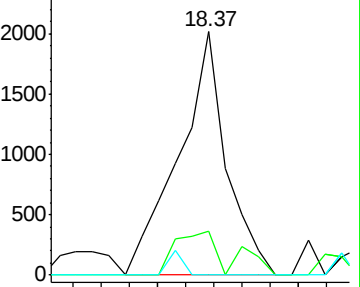
104 0.0 4.8 7.2#

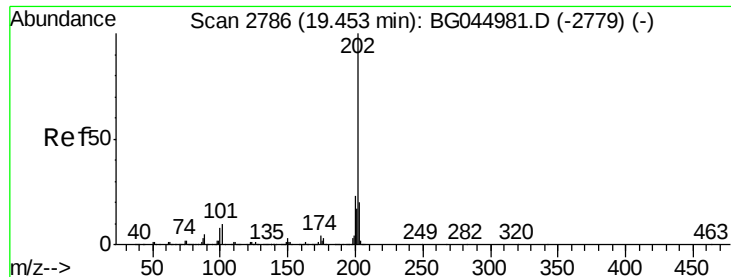


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

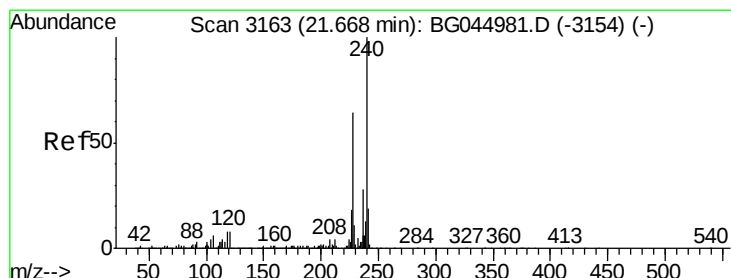
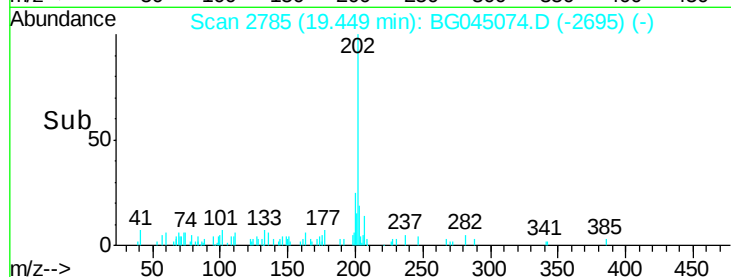
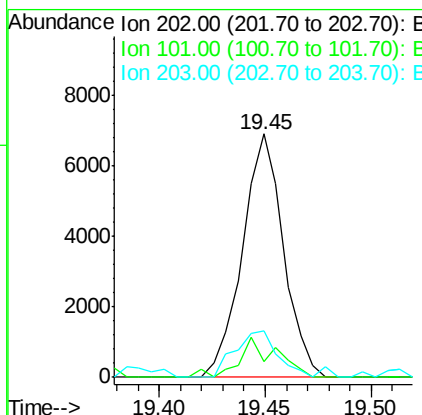
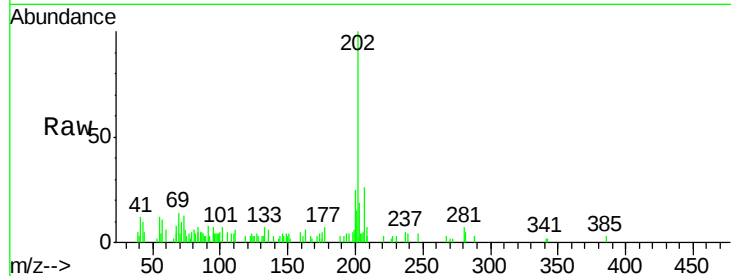




#75
 Fluoranthene
 Concen: Below Cal
 RT: 19.45 min Scan# 2785
 Delta R.T. -0.00 min
 Lab File: BG045074.D
 Acq: 18 Apr 2020 19:41

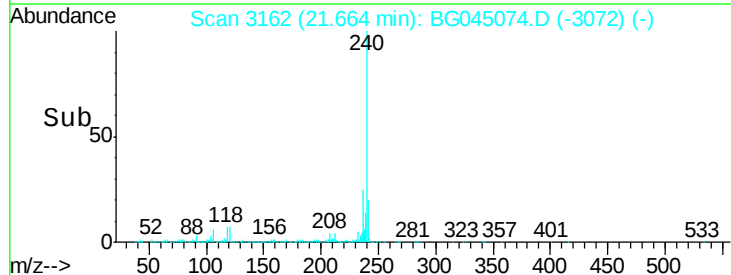
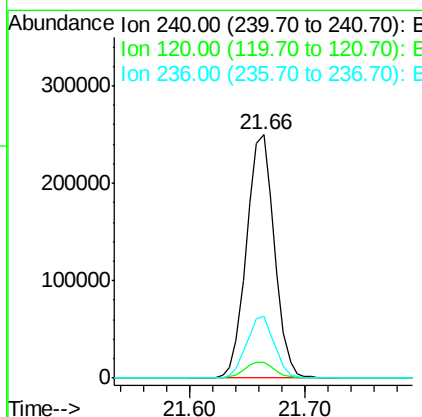
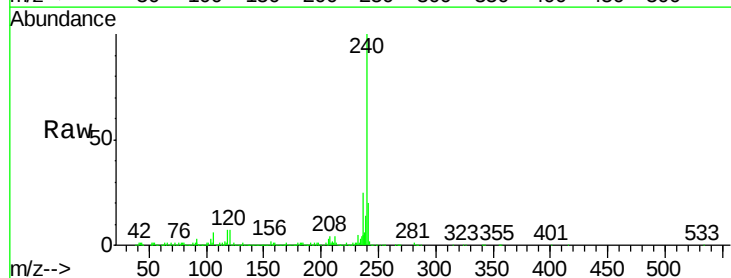
Instrument :
 BNA_G
 ClientSampleId :
 BG-4

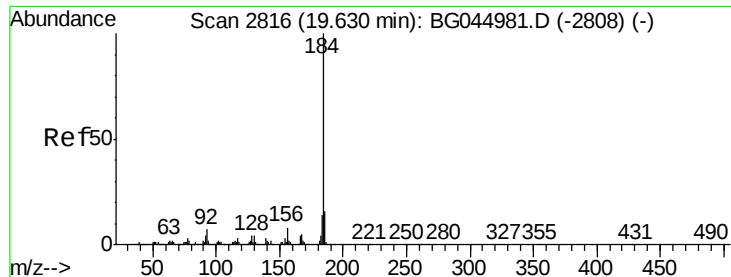
Tot Ion	Ratio	Lower	Upper
202	100		
101	6.5	0.0	29.6
203	18.9	0.0	39.7



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3162
 Delta R.T. -0.00 min
 Lab File: BG045074.D
 Acq: 18 Apr 2020 19:41

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.7	6.6	10.0
236	25.4	22.2	33.2





#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.39 min

Lab File: BG045074.D

Acq: 18 Apr 2020 19:41

Instrument :

BNA_G

ClientSampled :

BG-4

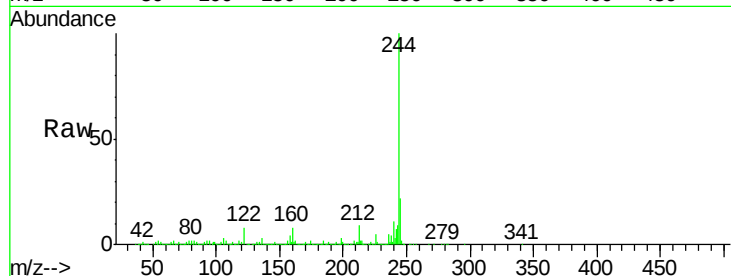
Tot Ion:184 Resp: 27425

Ion Ratio Lower Upper

184 100

185 12.3 12.6 19.0#

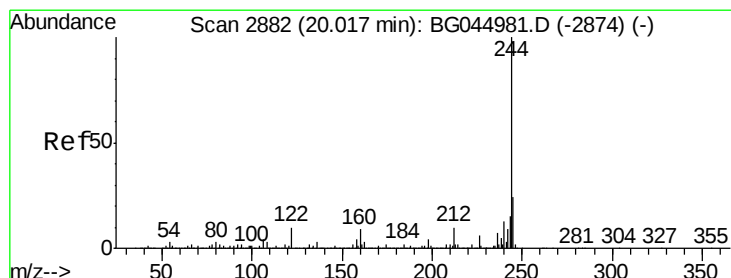
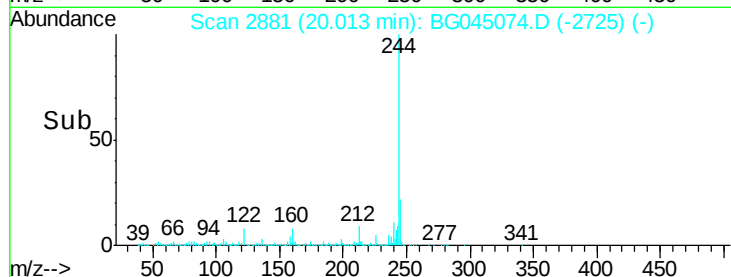
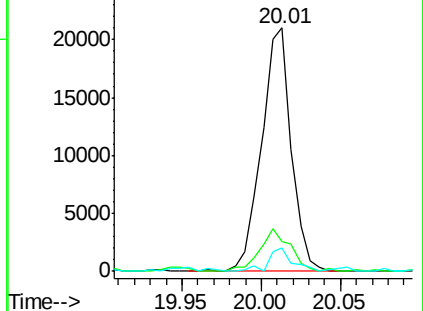
183 9.4 11.3 16.9#



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: 77.630 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045074.D

Acq: 18 Apr 2020 19:41

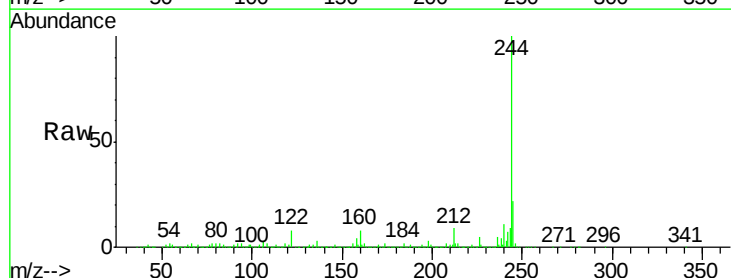
Tgt Ion:244 Resp: 1494996

Ion Ratio Lower Upper

244 100

212 8.7 7.9 11.9

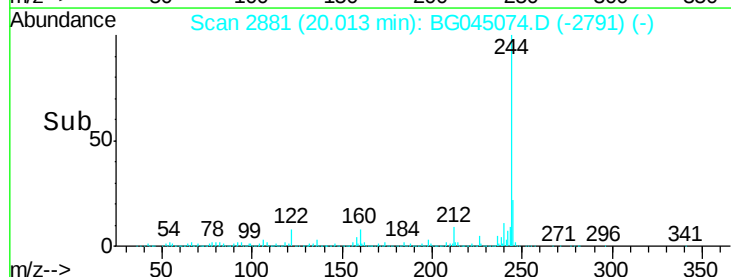
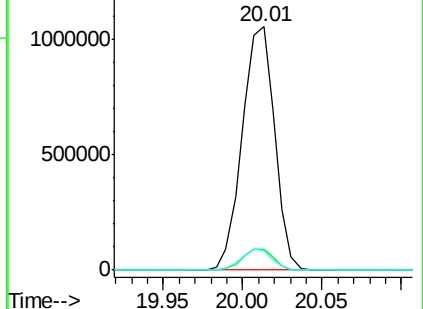
122 8.0 7.7 11.5

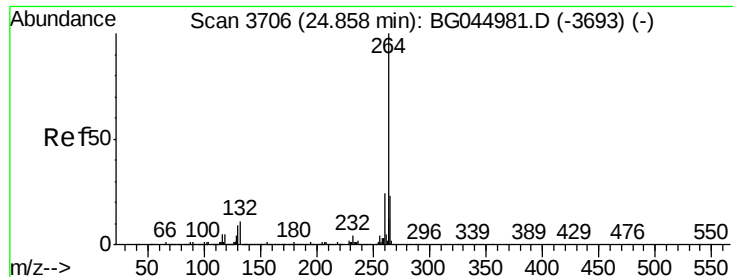


Abundance Ion 244.00 (243.70 to 244.70): E

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. -0.01 min
 Lab File: BG045074.D
 Acq: 18 Apr 2020 19:41

Instrument :
 BNA_G
 ClientSampleId :
 BG-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	22.3	19.0	28.4

