

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
 Data File : BG045350.D
 Acq On : 13 May 2020 6:23
 Operator : CG/JU
 Sample : L2573-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 13 07:13:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 12 15:48:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	57358	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	229439	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	166671	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	412938	20.00	ng	0.00
76) Chrysene-d12	21.62	240	426275	20.00	ng	0.00
87) Perylene-d12	24.78	264	454878	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	156941	45.17	ng	0.00
7) Phenol-d6	7.14	99	136503	26.44	ng	0.00
23) Nitrobenzene-d5	9.13	82	454173	90.32	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	242316	94.11	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	1019403	89.68	ng	0.00
79) Terphenyl-d14	19.98	244	1916661	98.00	ng	0.00

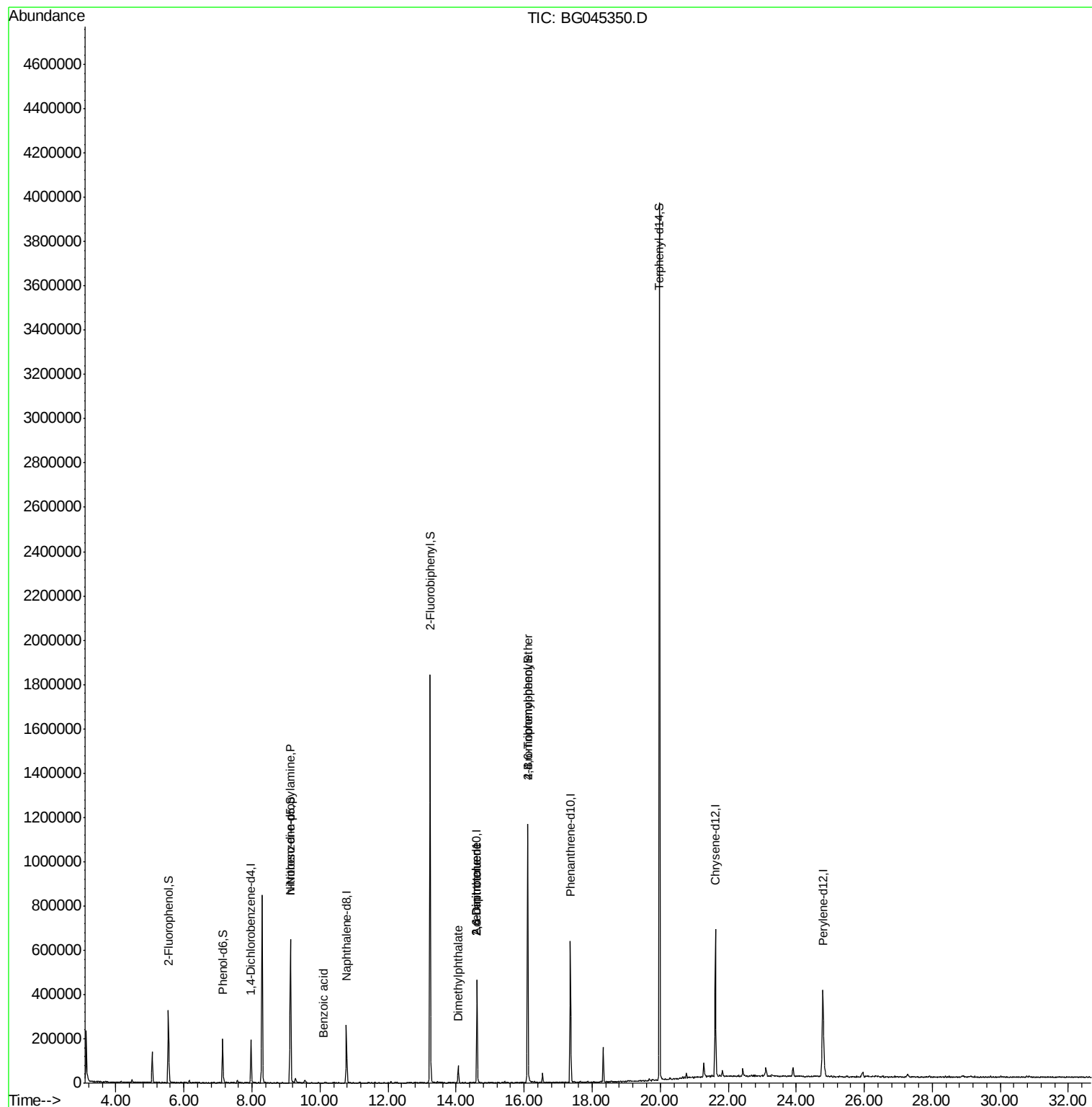
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.09	77	56	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.13	70	61840	16.940 ng	#	80
32) Benzoic acid	10.10	122	167	6.425 ng	#	23
50) Dimethylphthalate	14.06	163	52808	3.891 ng		99
51) 2,6-Dinitrotoluene	14.61	165	21123	6.959 ng	#	26
57) 2,4-Dinitrotoluene	14.61	165	21123	4.762 ng	#	23
67) 4-Bromophenyl-phenylether	16.11	248	16195	3.040 ng	#	1
69) Atrazine	16.99	200	57	Below Cal	#	35
74) Di-n-butylphthalate	18.33	149	119806	Below Cal		98
75) Fluoranthene	19.41	202	198	Below Cal		62
77) Benzydine	19.98	184	35554	Below Cal	#	90

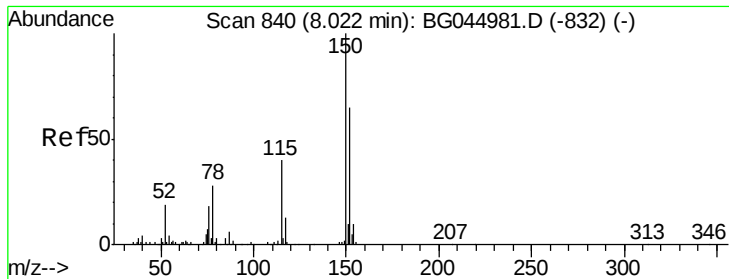
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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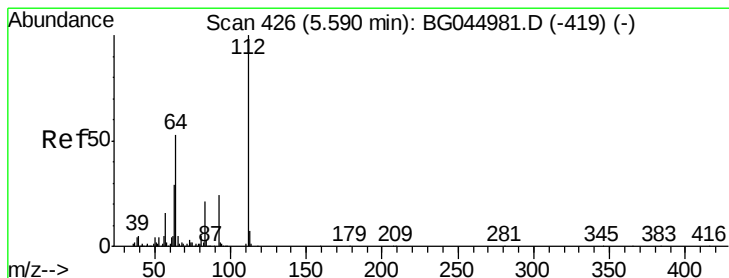
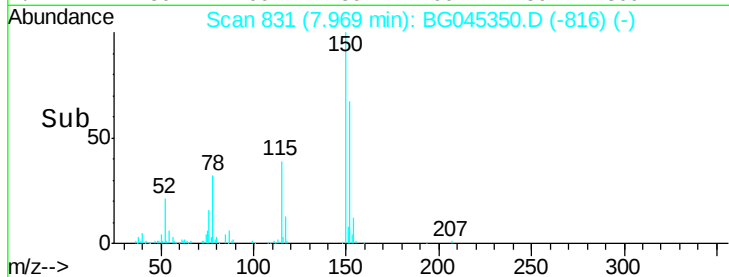
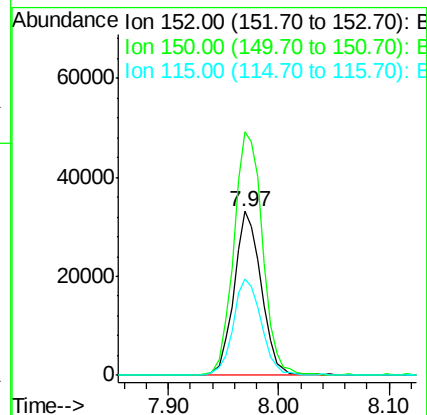
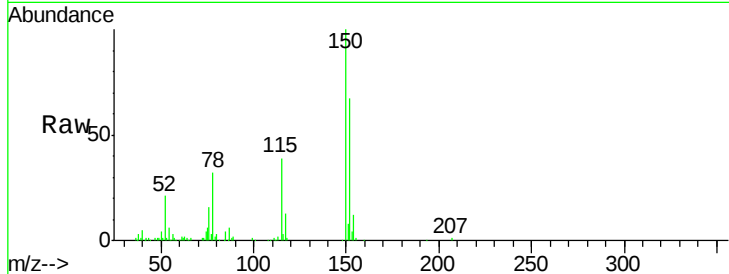


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BG045350.D
Acq: 13 May 2020 6:23

Instrument :
BNA_G
ClientSampleId :

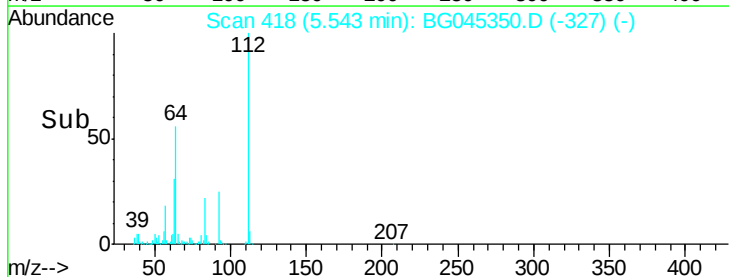
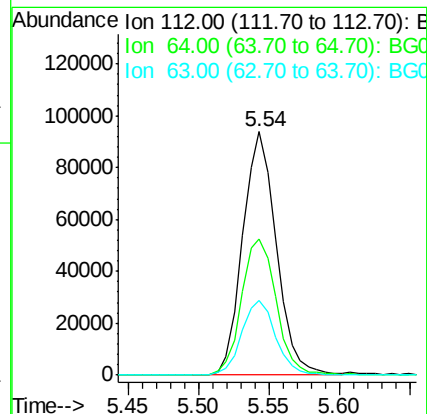
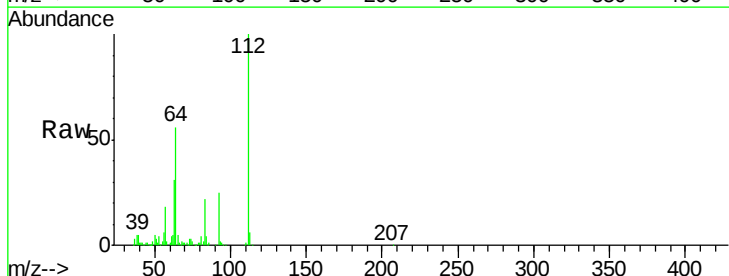
Tot Ion	Ratio	Lower	Upper
152	100		
150	148.7	123.6	185.4
115	58.6	49.1	73.7

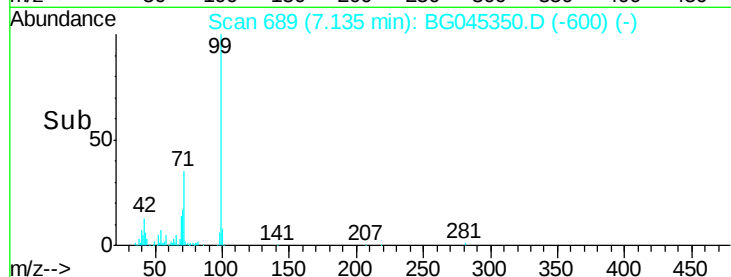
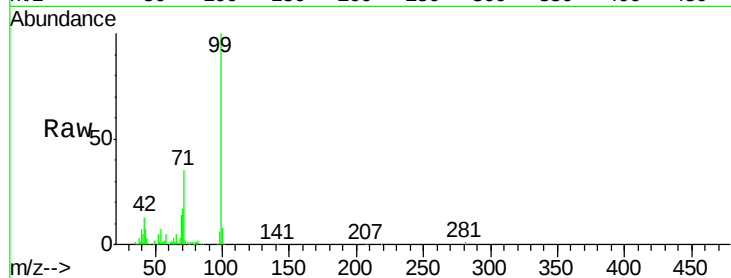


#5

2-Fluorophenol
Concen: 45.173 ng
RT: 5.54 min Scan# 418
Delta R.T. 0.00 min
Lab File: BG045350.D
Acq: 13 May 2020 6:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	42.4	63.6
63	30.8	23.1	34.7





#7

Phenol-d6

Concen: 26.445 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.01 min

Lab File: BG045350.D

Acq: 13 May 2020 6:23

Instrument :

BNA_G

ClientSampleId :

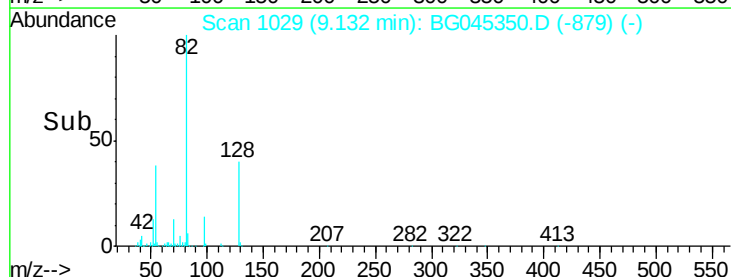
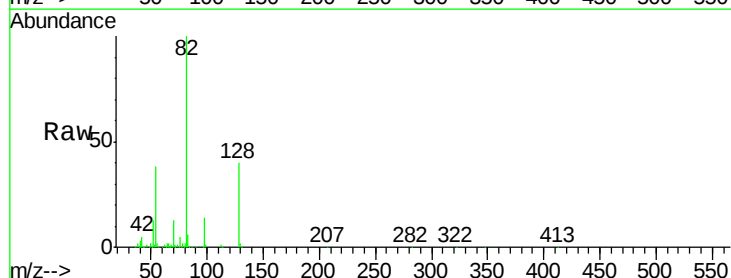
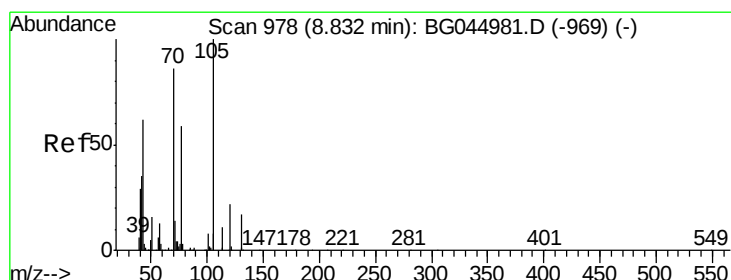
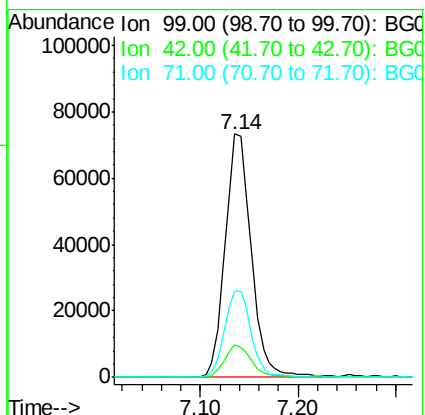
Tot Ion: 99 Resp: 136503

Ion Ratio Lower Upper

99 100

42 13.4 11.3 16.9

71 35.4 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 16.940 ng

RT: 9.13 min Scan# 1029

Delta R.T. 0.35 min

Lab File: BG045350.D

Acq: 13 May 2020 6:23

Tgt Ion: 70 Resp: 61840

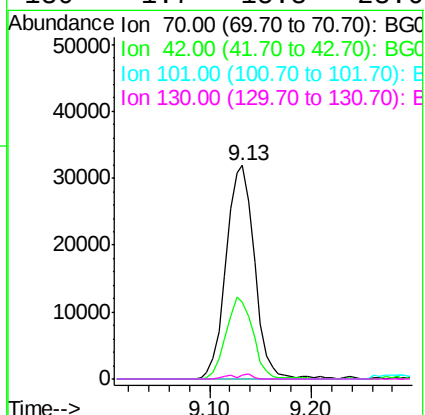
Ion Ratio Lower Upper

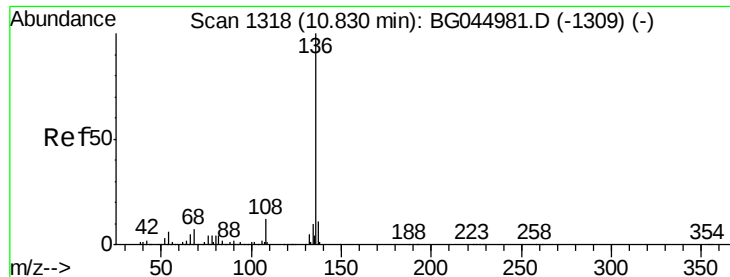
70 100

42 36.2 33.3 49.9

101 0.0 7.8 11.8#

130 1.7 15.8 23.6#

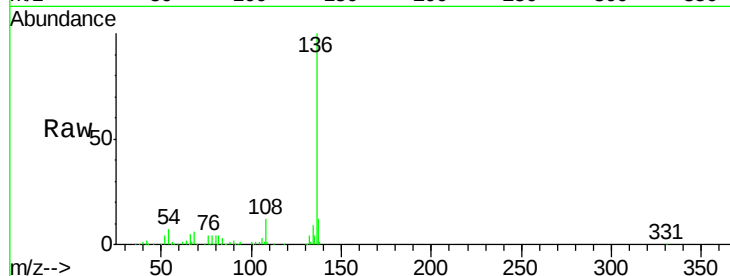




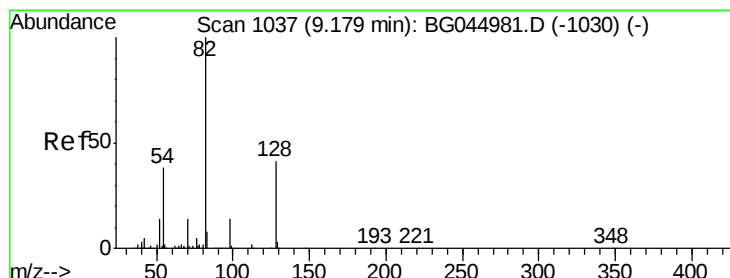
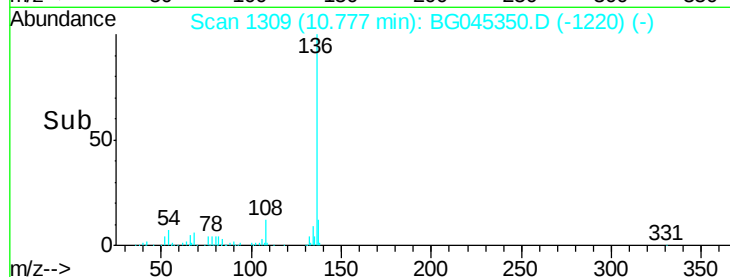
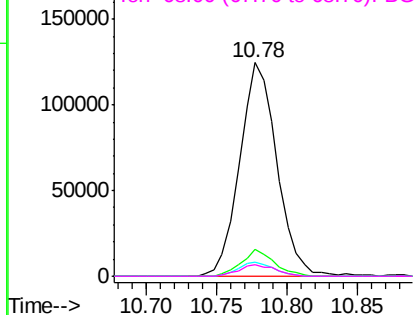
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.78 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BG045350.D
Acq: 13 May 2020 6:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	229439
Ion Ratio	Lower	Upper
136 100		
137 12.5	8.6	13.0
54 6.6	4.8	7.2
68 5.6	5.2	7.8

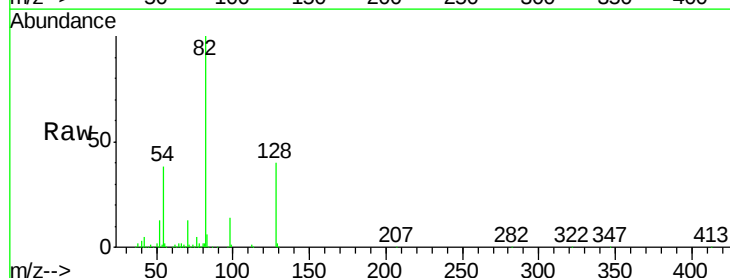


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

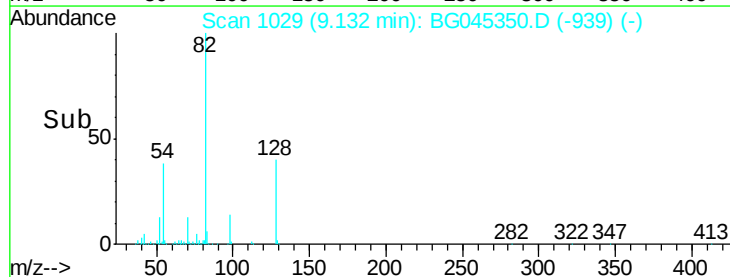
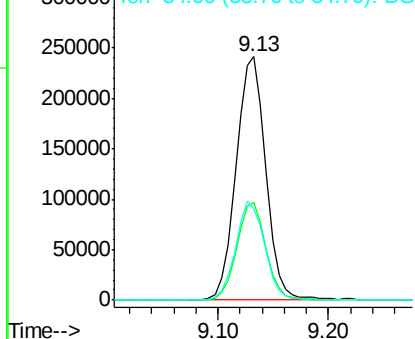


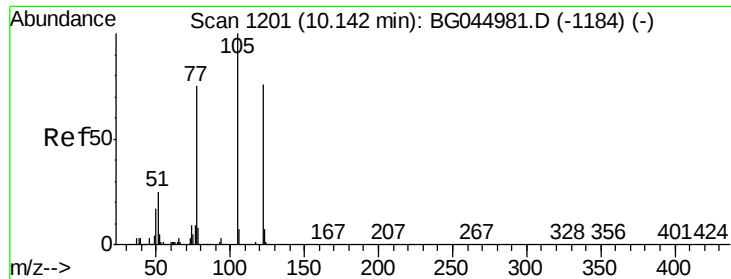
#23
Nitrobenzene-d5
Concen: 90.322 ng
RT: 9.13 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BG045350.D
Acq: 13 May 2020 6:23

Tgt Ion: 82	Resp: 454173
Ion Ratio	Lower Upper
82 100	
128 40.2	33.0 49.4
54 37.7	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: 6.425 ng

RT: 10.10 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BG045350.D

Acq: 13 May 2020 6:23

Instrument :

BNA_G

ClientSampleId :

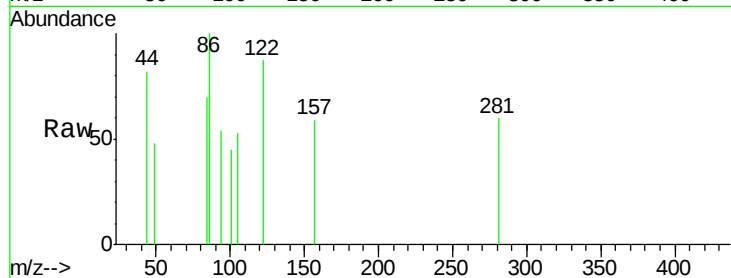
Tot Ion:122 Resp: 167

Ion Ratio Lower Upper

122 100

105 60.3 108.4 148.4#

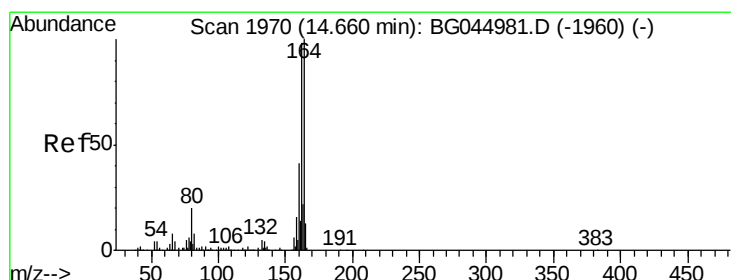
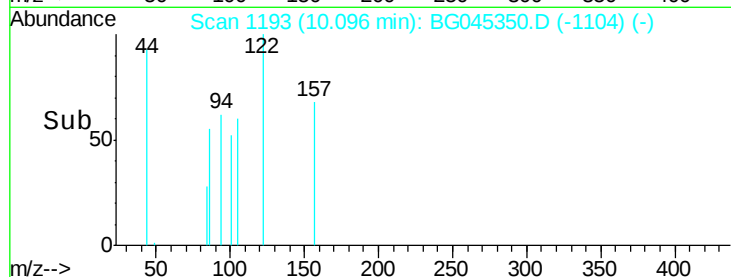
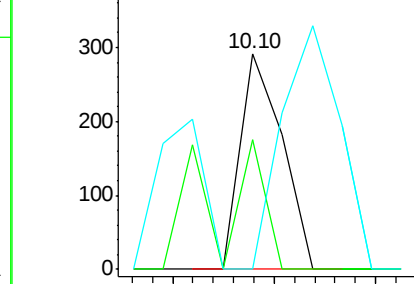
77 0.0 78.8 118.8#



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): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.61 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BG045350.D

Acq: 13 May 2020 6:23

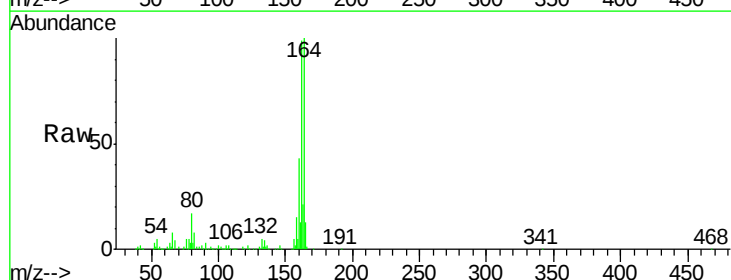
Tgt Ion:164 Resp: 166671

Ion Ratio Lower Upper

164 100

162 98.6 78.7 118.1

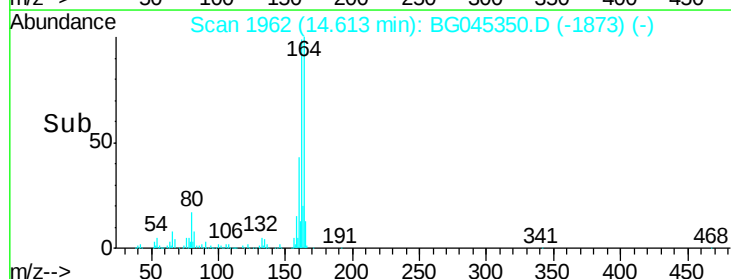
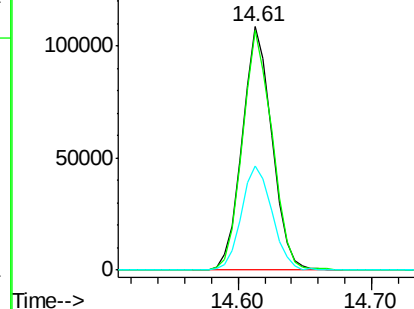
160 42.7 32.8 49.2

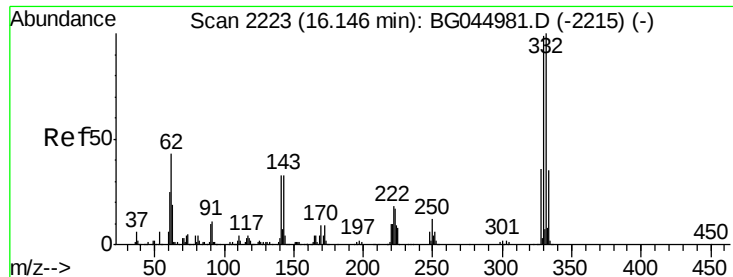


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

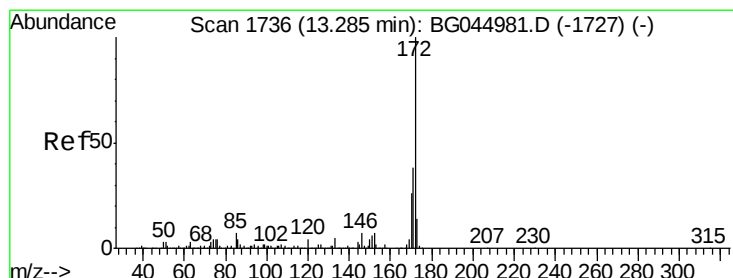
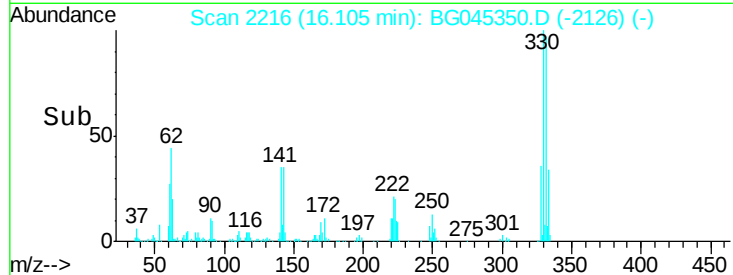
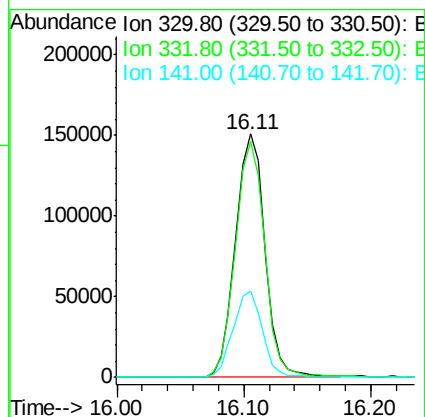
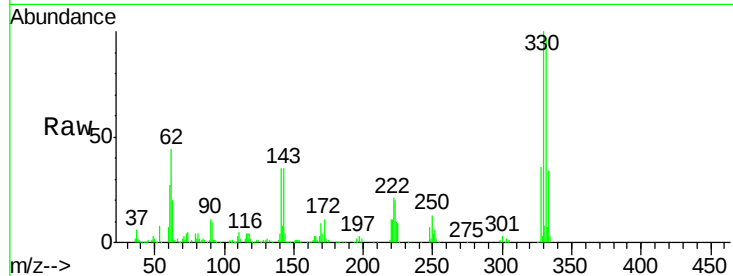




#42
 2,4,6-Tribromophenol
 Concen: 94.109 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.00 min
 Lab File: BG045350.D
 Acq: 13 May 2020 6:23

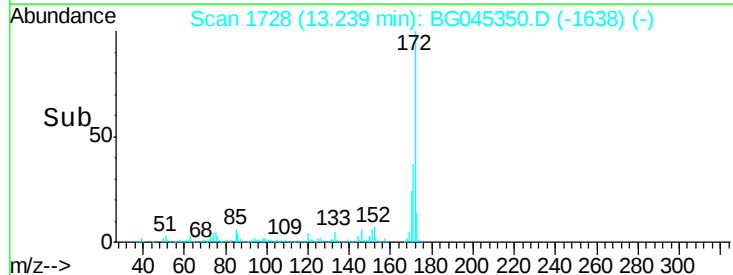
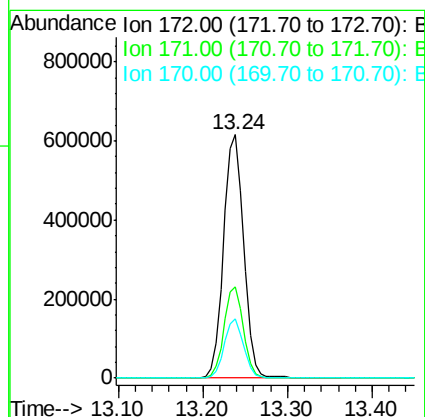
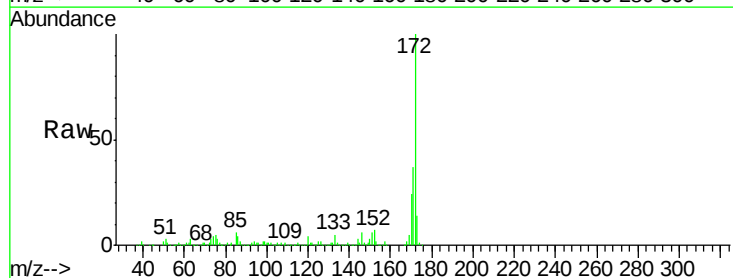
Instrument :
 BNA_G
 ClientSampleId :

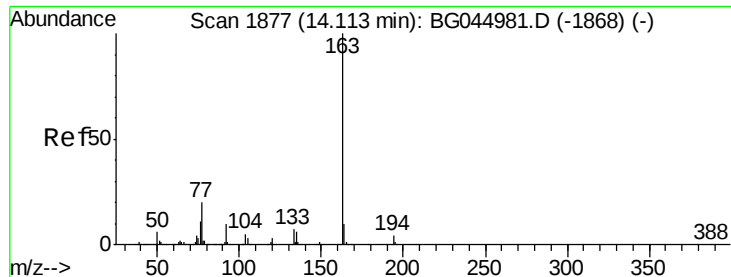
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	79.1	118.7
141	35.3	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 89.684 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: BG045350.D
 Acq: 13 May 2020 6:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.6	46.0
170	24.4	20.5	30.7

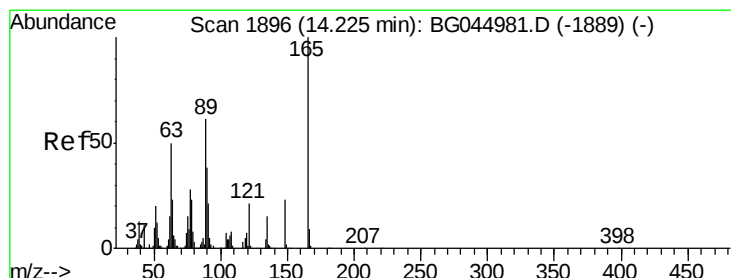
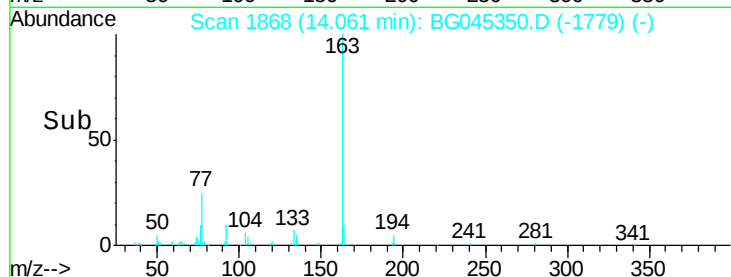
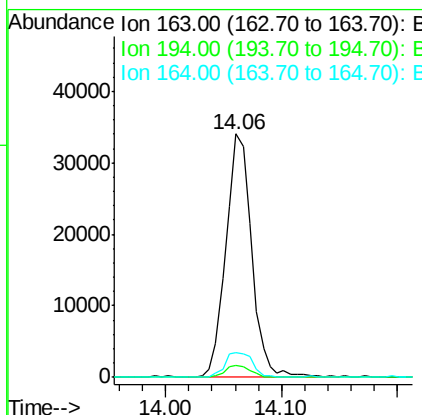
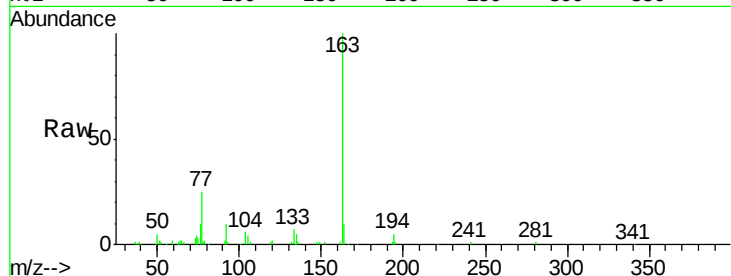




#50
Dimethylphthalate
Concen: 3.891 ng
RT: 14.06 min Scan# 1868
Delta R.T. -0.01 min
Lab File: BG045350.D
Acq: 13 May 2020 6:23

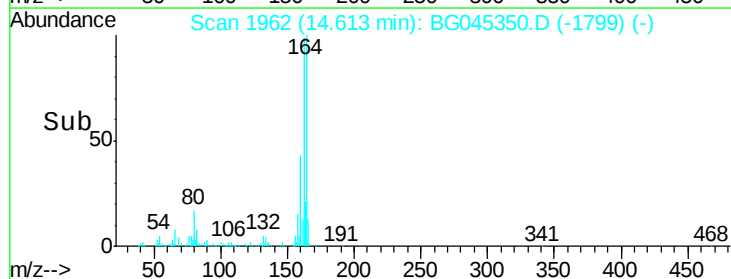
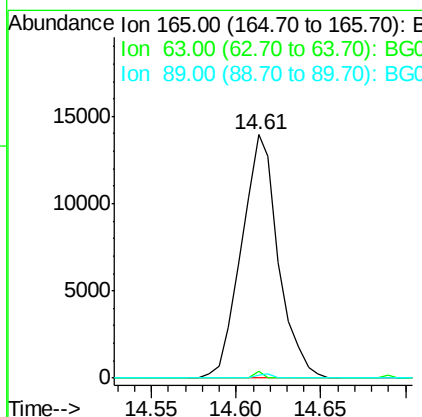
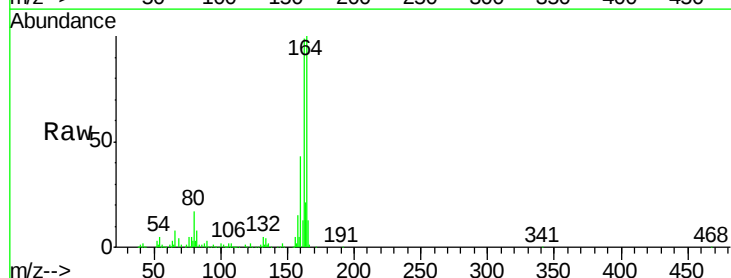
Instrument :
BNA_G
ClientSampled :

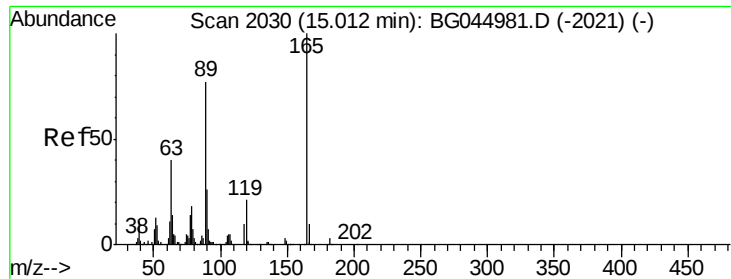
Tot Ion:163 Resp: 52808
Ion Ratio Lower Upper
163 100
194 4.9 3.5 5.3
164 10.3 8.2 12.4



#51
2,6-Dinitrotoluene
Concen: 6.959 ng
RT: 14.61 min Scan# 1962
Delta R.T. 0.43 min
Lab File: BG045350.D
Acq: 13 May 2020 6:23

Tgt Ion:165 Resp: 21123
Ion Ratio Lower Upper
165 100
63 2.7 40.4 60.6#
89 1.4 49.1 73.7#

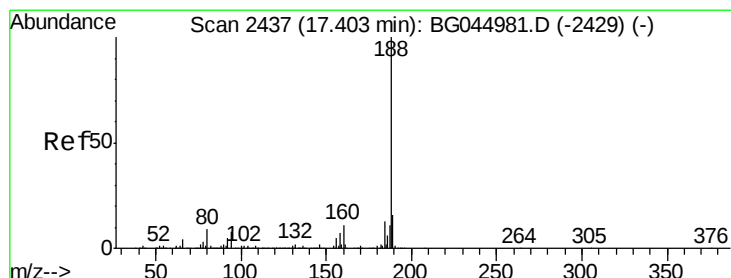
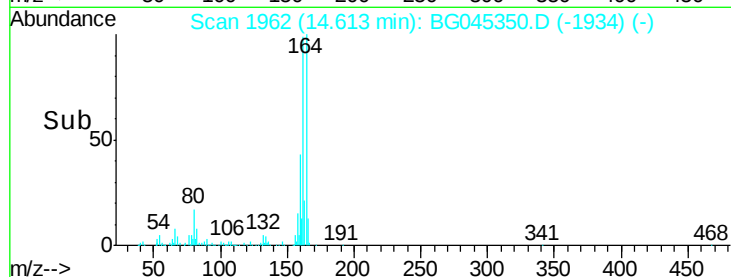
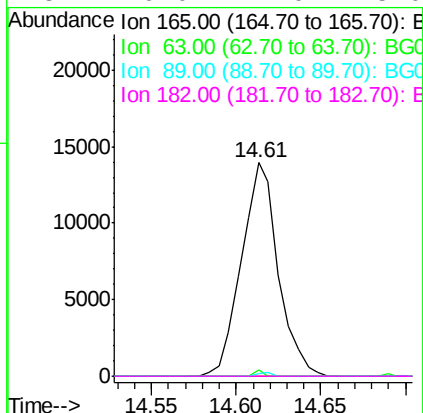
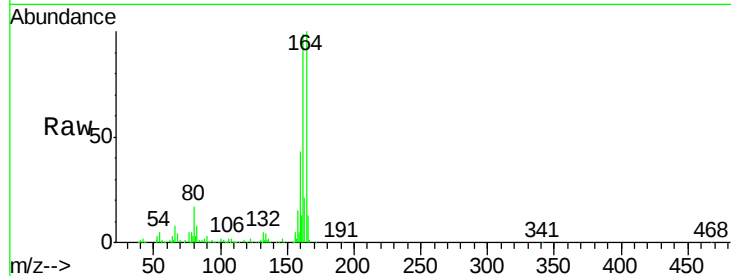




#57
 2,4-Dinitrotoluene
 Concen: 4.762 ng
 RT: 14.61 min Scan# 1962
 Delta R.T. -0.37 min
 Lab File: BG045350.D
 Acq: 13 May 2020 6:23

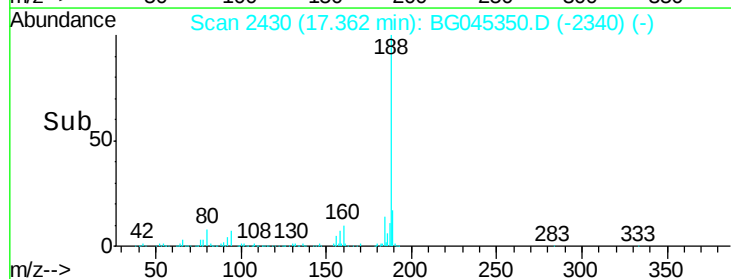
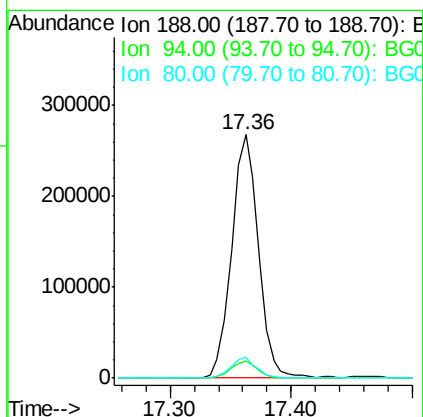
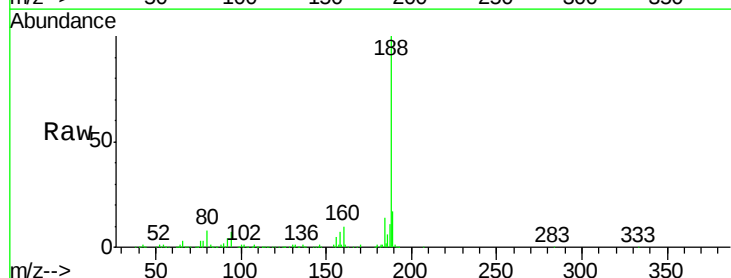
Instrument :
 BNA_G
 ClientSampleId :

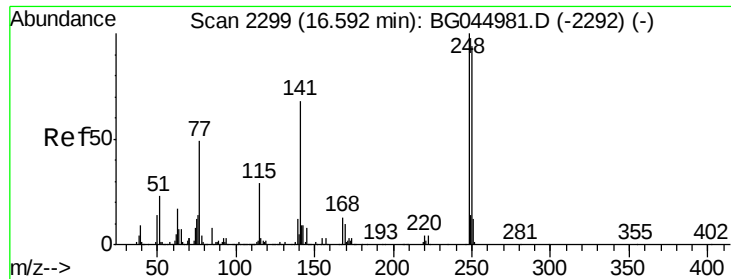
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.7	32.2	48.2#
89	1.4	61.7	92.5#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.36 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: BG045350.D
 Acq: 13 May 2020 6:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.8	6.2	9.4
80	8.5	7.0	10.6

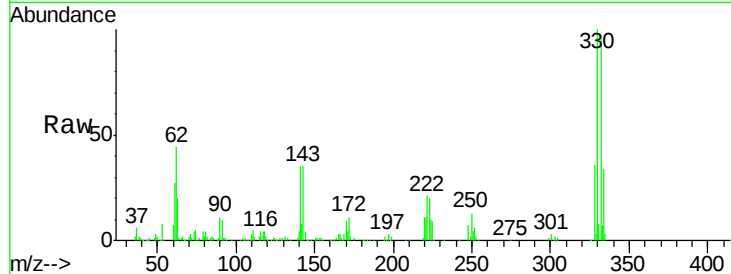




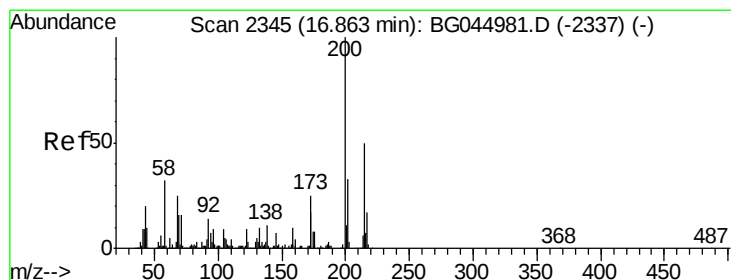
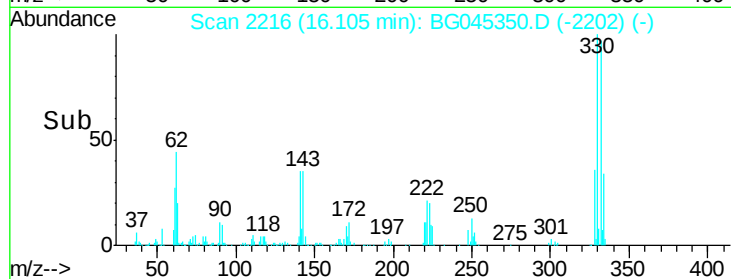
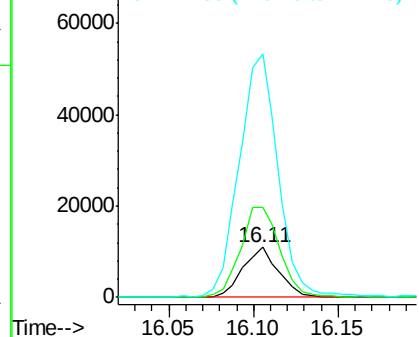
#67
4-Bromophenyl-phenylether
Concen: 3.040 ng
RT: 16.11 min Scan# 2216
Delta R.T. -0.45 min
Lab File: BG045350.D
Acq: 13 May 2020 6:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 16195
Ion Ratio Lower Upper
248 100
250 179.4 75.4 113.2#
141 488.2 54.4 81.6#

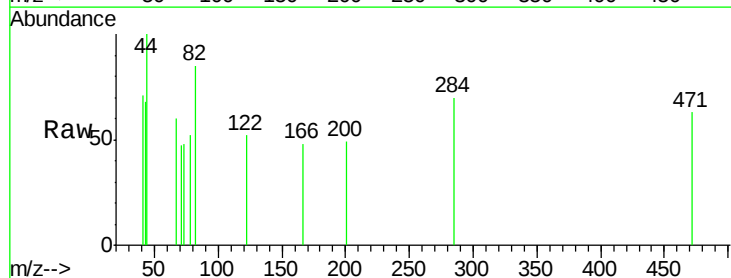


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

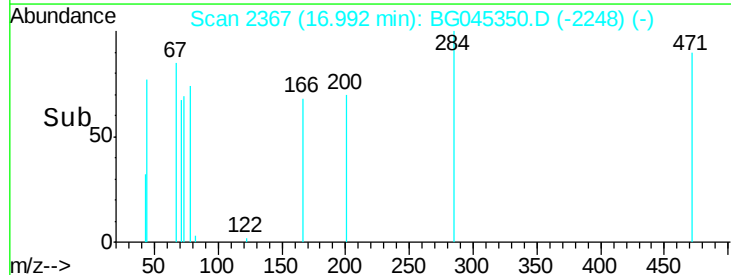
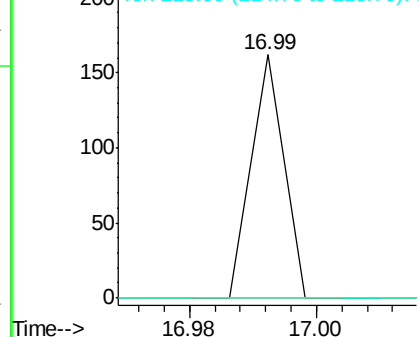


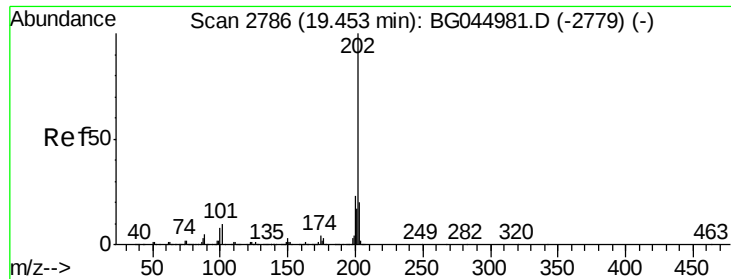
#69
Atrazine
Concen: Below Cal
RT: 16.99 min Scan# 2367
Delta R.T. 0.17 min
Lab File: BG045350.D
Acq: 13 May 2020 6:23

Tgt Ion:200 Resp: 57
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

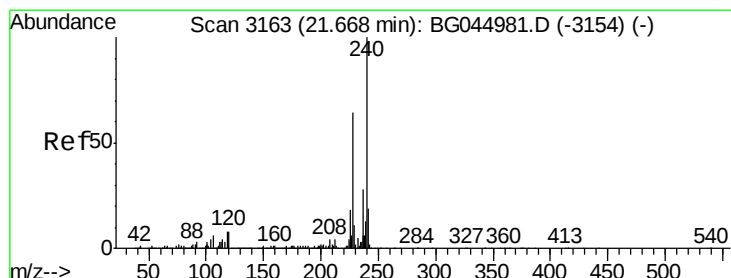
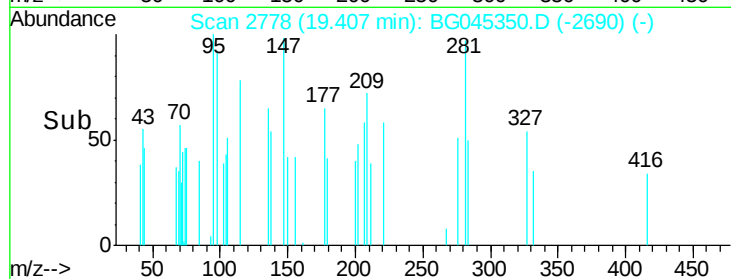
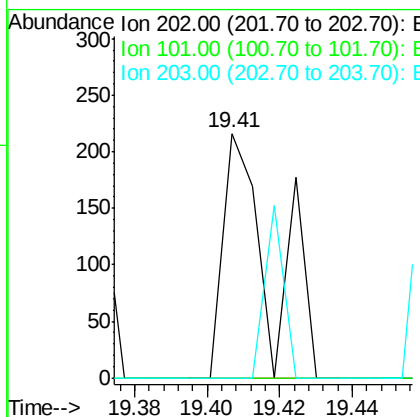
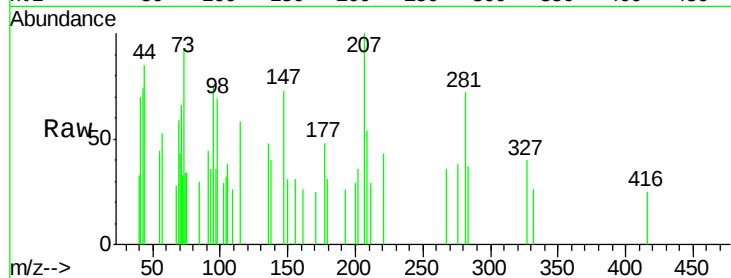




#75
Fluoranthene
Concen: Below Cal
RT: 19.41 min Scan# 2778
Delta R.T. -0.01 min
Lab File: BG045350.D
Acq: 13 May 2020 6:23

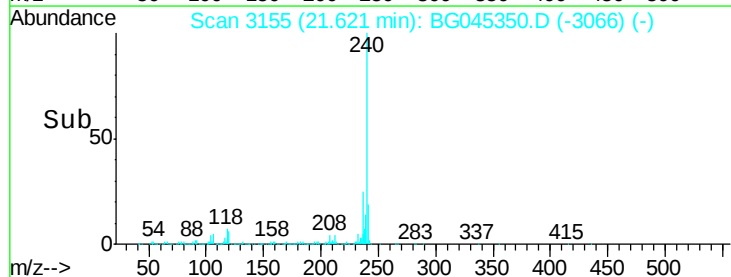
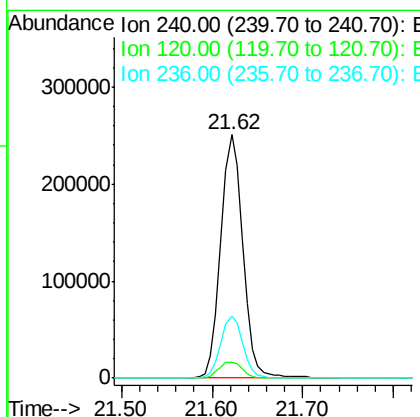
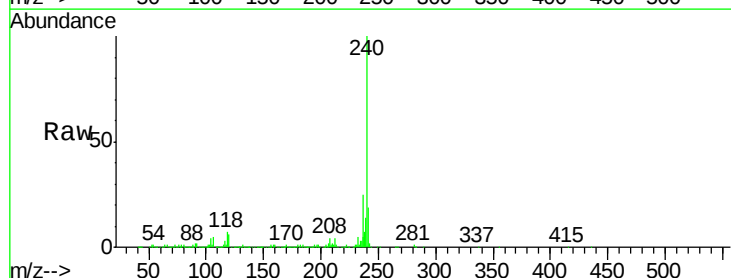
Instrument :
BNA_G
ClientSampled :

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



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.62 min Scan# 3155
Delta R.T. -0.01 min
Lab File: BG045350.D
Acq: 13 May 2020 6:23

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.3	6.6	10.0#
236	25.4	22.2	33.2





#77

Benzidine

Concen: Below Cal

RT: 19.98 min Scan# 2875

Delta R.T. 0.38 min

Lab File: BG045350.D

Acq: 13 May 2020 6:23

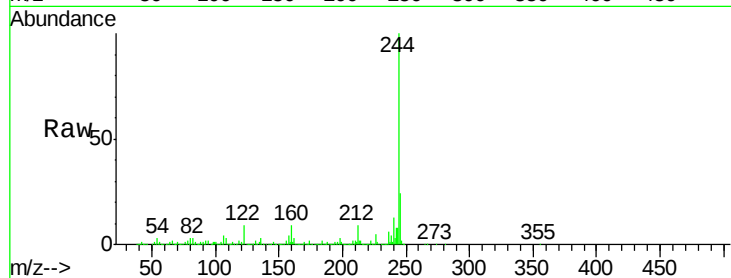
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 35554

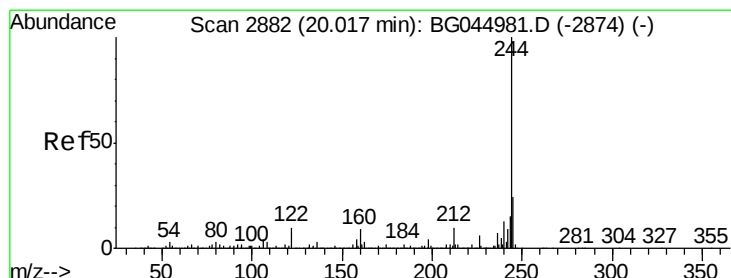
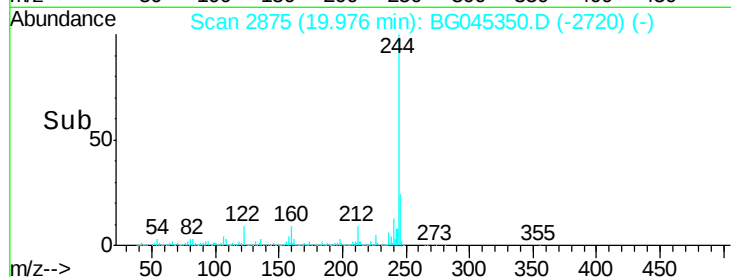
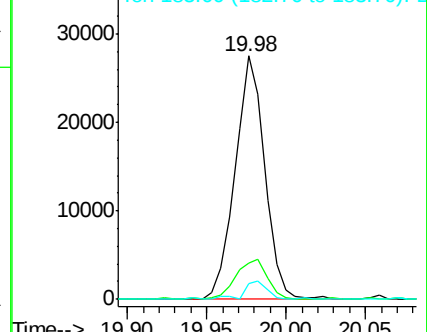
Ion	Ratio	Lower	Upper
184	100		
185	14.9	12.6	19.0
183	6.5	11.3	16.9#



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: 98.000 ng

RT: 19.98 min Scan# 2875

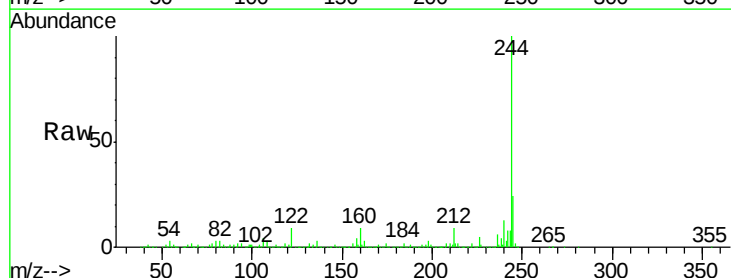
Delta R.T. -0.00 min

Lab File: BG045350.D

Acq: 13 May 2020 6:23

Tgt Ion:244 Resp: 1916661

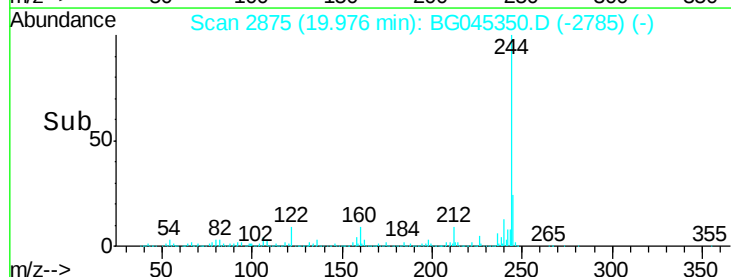
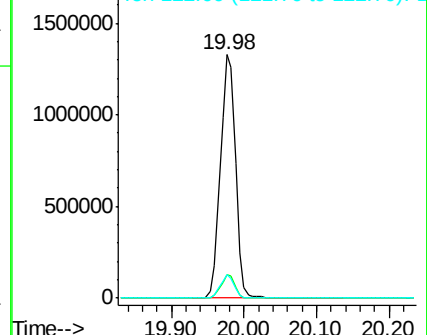
Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.9	11.9
122	9.4	7.7	11.5

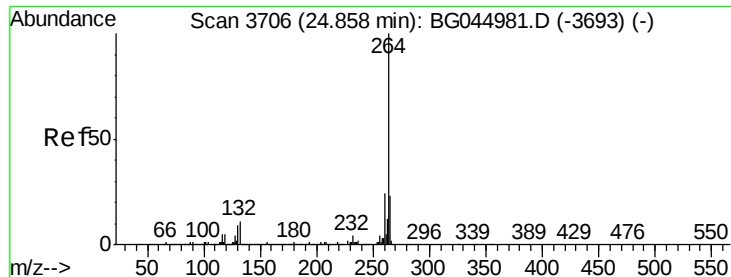


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.78 min Scan# 3693
 Delta R.T. -0.01 min
 Lab File: BG045350.D
 Acq: 13 May 2020 6:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.2	28.8
265	22.0	19.0	28.4

