

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
 Data File : BG045370.D
 Acq On : 13 May 2020 20:34
 Operator : CG/JU
 Sample : L2575-10
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 14 00:57:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 13 11:40:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	83273	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	344322	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	232182	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	465912	20.00	ng	0.00
76) Chrysene-d12	21.63	240	368435	20.00	ng	0.00
87) Perylene-d12	24.80	264	405384	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	426865	84.63	ng	0.00
7) Phenol-d6	7.15	99	653094	87.15	ng	0.00
23) Nitrobenzene-d5	9.13	82	451882	59.88	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	301709	84.11	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	1070279	67.59	ng	0.00
79) Terphenyl-d14	19.98	244	1281041	75.78	ng	0.00

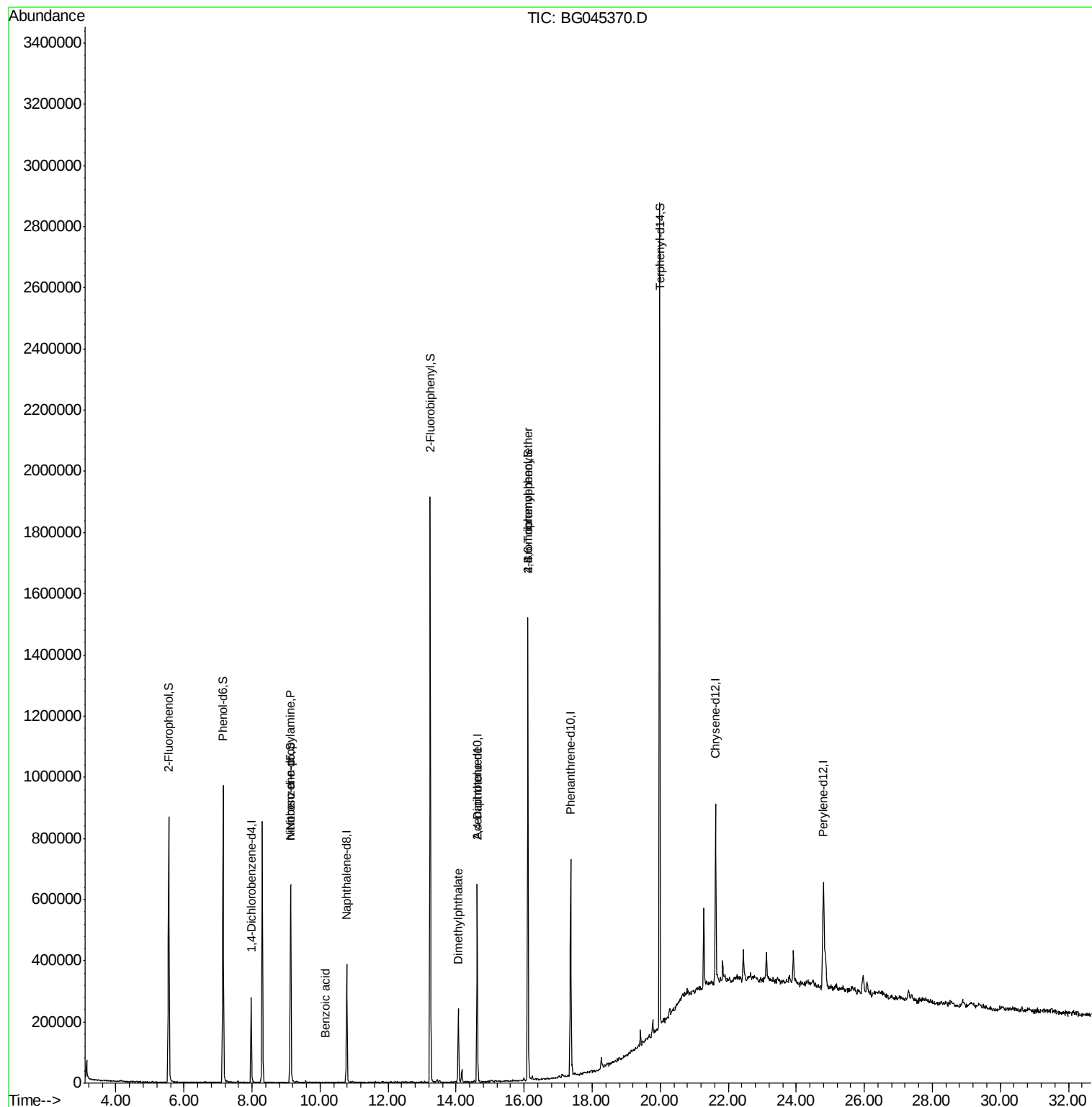
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.07	77	63	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.13	70	62390	11.772 ng	#	79
32) Benzoic acid	10.15	122	94	6.393 ng	#	39
50) Dimethylphthalate	14.07	163	164428	8.697 ng		97
57) 2,4-Dinitrotoluene	14.62	165	29973	4.850 ng	#	24
67) 4-Bromophenyl-phenylether	16.11	248	20718	3.447 ng	#	1
69) Atrazine	16.80	200	57	Below Cal	#	35
74) Di-n-butylphthalate	18.33	149	2777	Below Cal	#	89
75) Fluoranthene	19.42	202	30564	Below Cal		98
77) Benzidine	19.69	184	957	Below Cal	#	1

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

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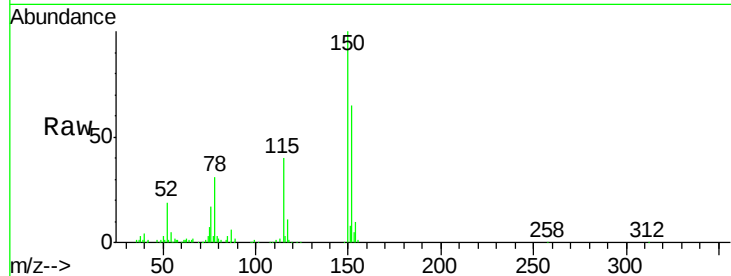


#1

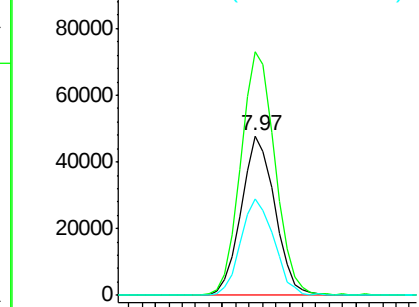
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 832
Delta R.T. 0.00 min
Lab File: BG045370.D
Acq: 13 May 2020 20:34

Instrument :
BNA_G
ClientSampleId :

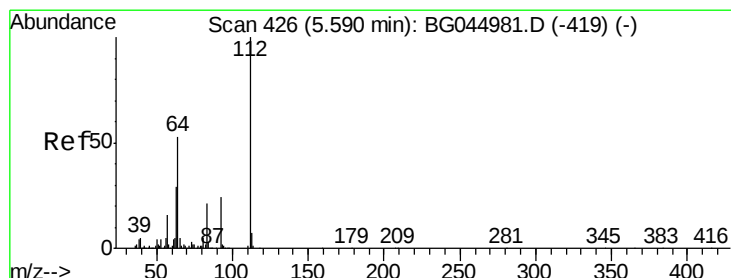
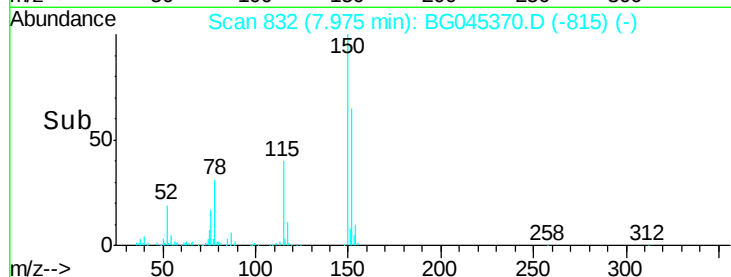
Tot Ion	152	Resp	83273
Ion Ratio	Lower	Upper	
152	100		
150	152.8	123.6	185.4
115	60.5	49.1	73.7



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



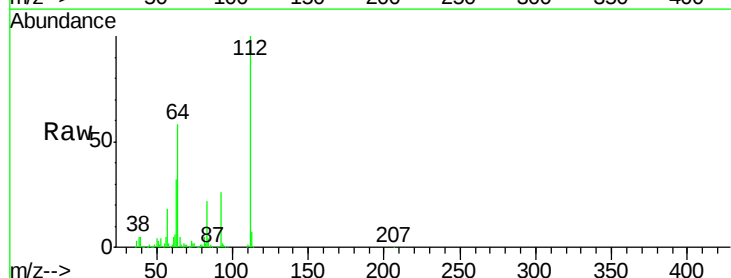
Time-->



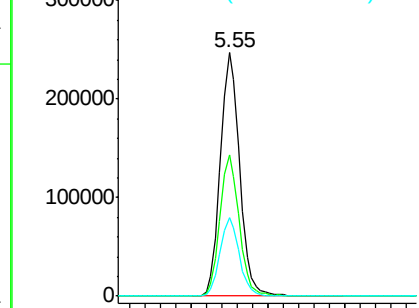
#5

2-Fluorophenol
Concen: 84.629 ng
RT: 5.55 min Scan# 419
Delta R.T. 0.01 min
Lab File: BG045370.D
Acq: 13 May 2020 20:34

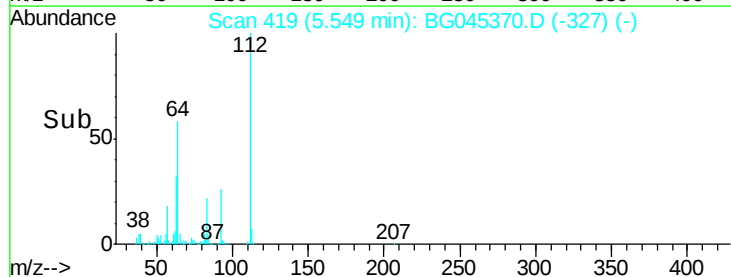
Tgt Ion	112	Resp	426865
Ion Ratio	Lower	Upper	
112	100		
64	57.8	42.4	63.6
63	32.1	23.1	34.7

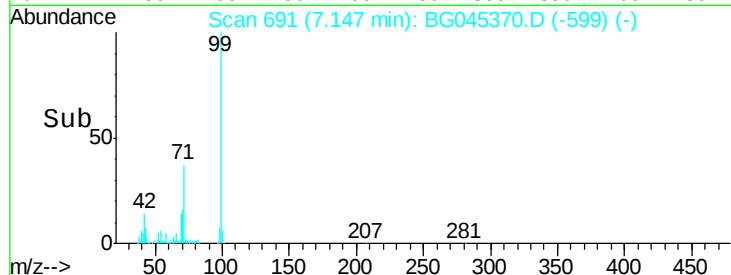
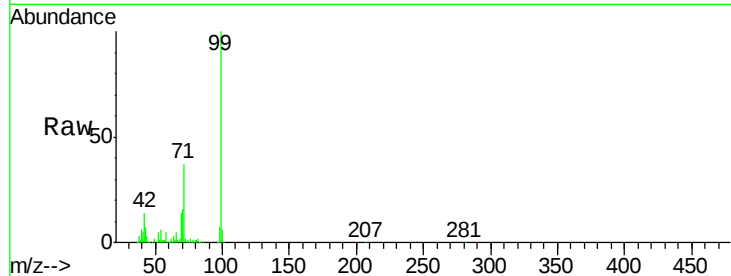


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0



Time-->





#7

Phenol-d6

Concen: 87.148 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.01 min

Lab File: BG045370.D

Acq: 13 May 2020 20:34

Instrument :

BNA_G

ClientSampleId :

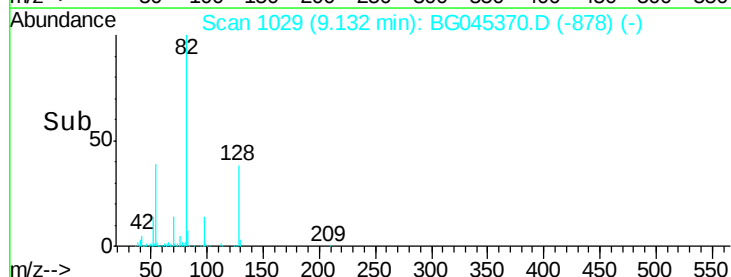
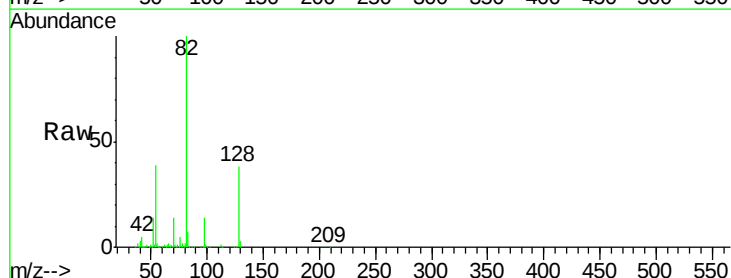
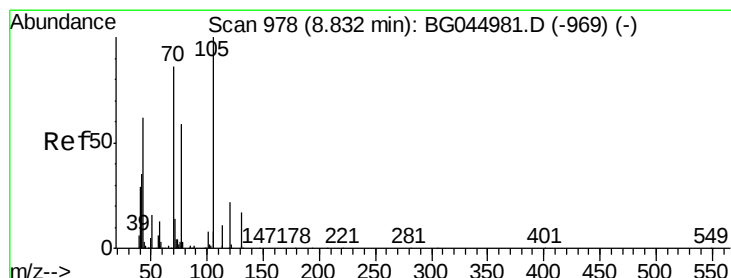
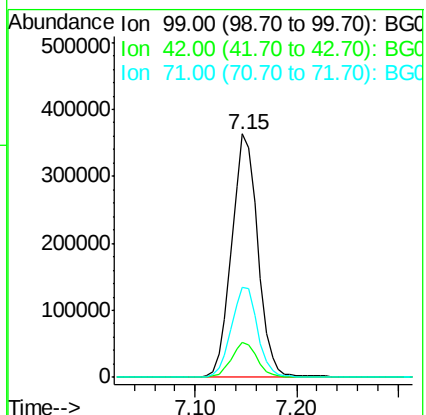
Tot Ion: 99 Resp: 653094

Ion Ratio Lower Upper

99 100

42 14.2 11.3 16.9

71 36.8 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 11.772 ng

RT: 9.13 min Scan# 1029

Delta R.T. 0.35 min

Lab File: BG045370.D

Acq: 13 May 2020 20:34

Tgt Ion: 70 Resp: 62390

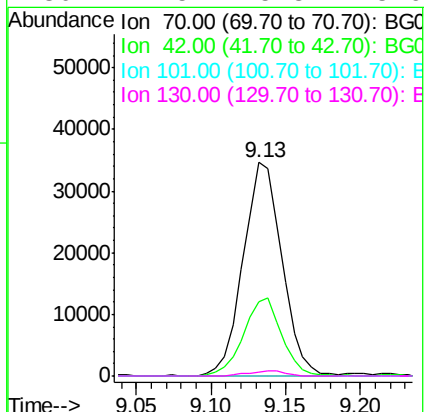
Ion Ratio Lower Upper

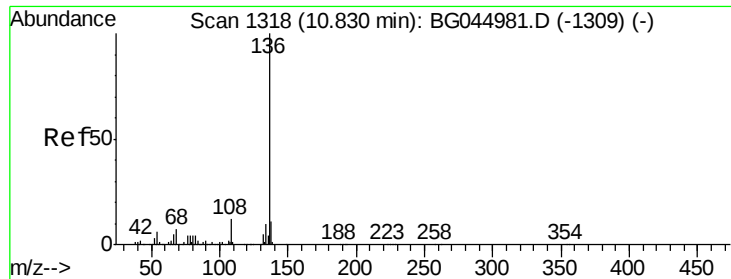
70 100

42 34.6 33.3 49.9

101 0.0 7.8 11.8#

130 1.5 15.8 23.6#

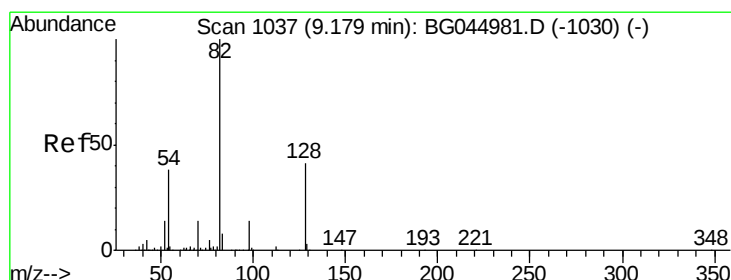
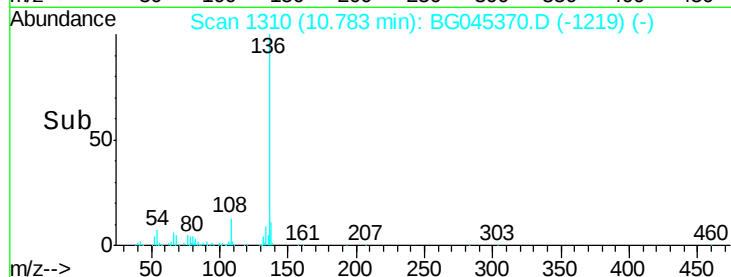
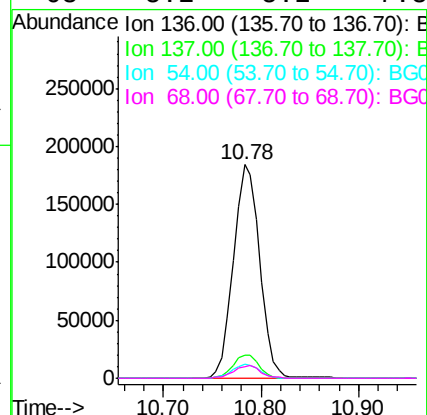
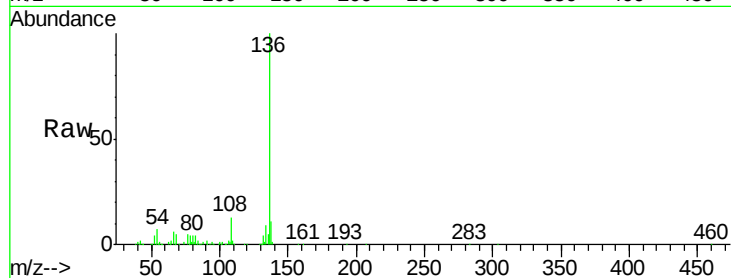




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.78 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BG045370.D
Acq: 13 May 2020 20:34

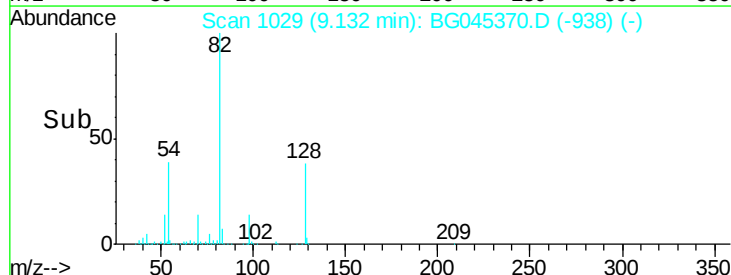
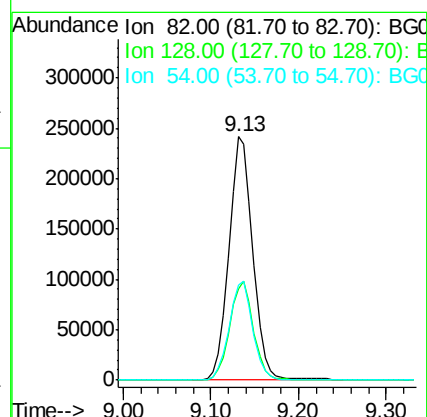
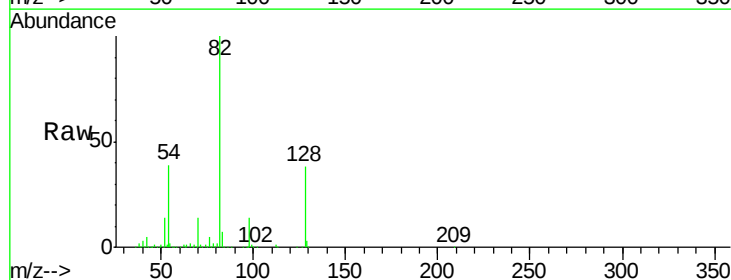
Instrument :
BNA_G
ClientSampleId :

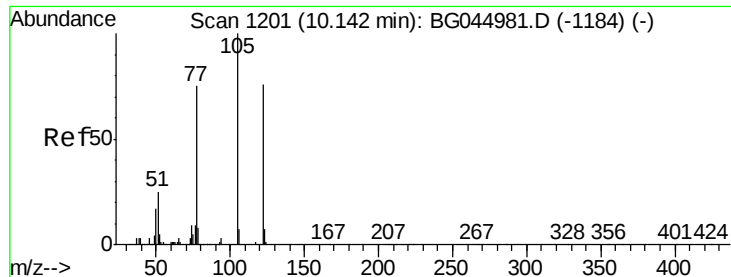
Tot Ion:136	Resp:	344322
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.6 13.0
54	6.5	4.8 7.2
68	5.2	5.2 7.8



#23
Nitrobenzene-d5
Concen: 59.882 ng
RT: 9.13 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BG045370.D
Acq: 13 May 2020 20:34

Tgt Ion: 82	Resp:	451882
Ion Ratio	Lower	Upper
82	100	
128	37.7	33.0 49.4
54	39.3	30.4 45.6





#32

Benzoic acid

Concen: 6.393 ng

RT: 10.15 min Scan# 1202

Delta R.T. 0.03 min

Lab File: BG045370.D

Acq: 13 May 2020 20:34

Instrument :

BNA_G

ClientSampleId :

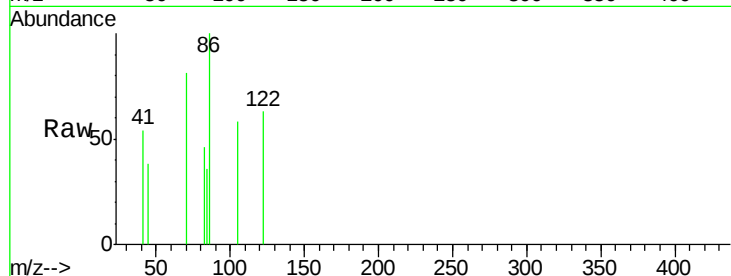
Tot Ion:122 Resp: 94

Ion Ratio Lower Upper

122 100

105 92.5 108.4 148.4#

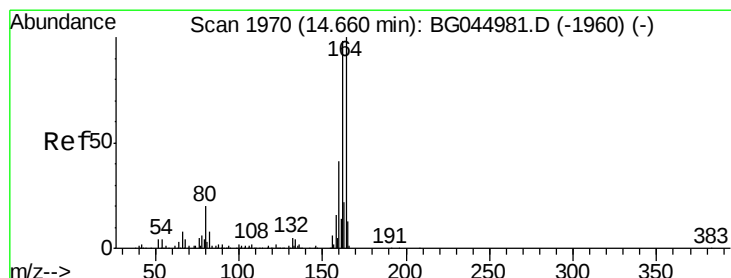
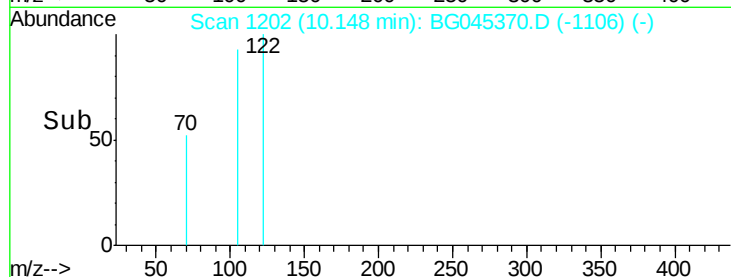
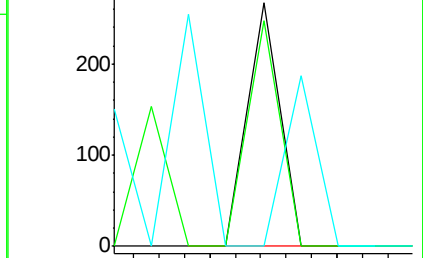
77 0.0 78.8 118.8#



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: 14.62 min Scan# 1963

Delta R.T. 0.00 min

Lab File: BG045370.D

Acq: 13 May 2020 20:34

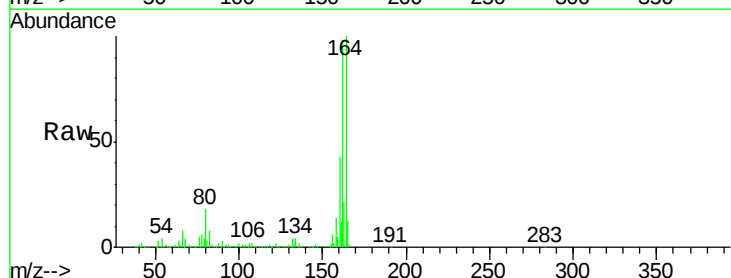
Tgt Ion:164 Resp: 232182

Ion Ratio Lower Upper

164 100

162 98.3 78.7 118.1

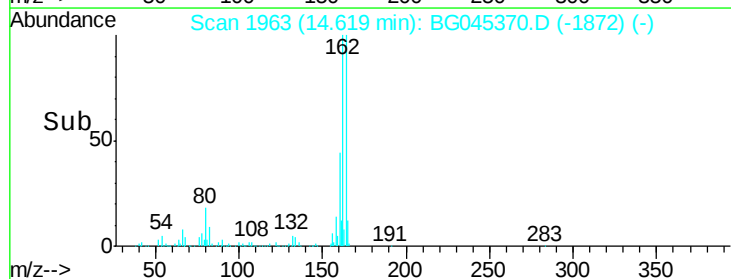
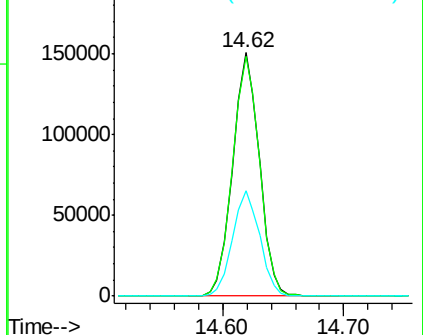
160 43.1 32.8 49.2

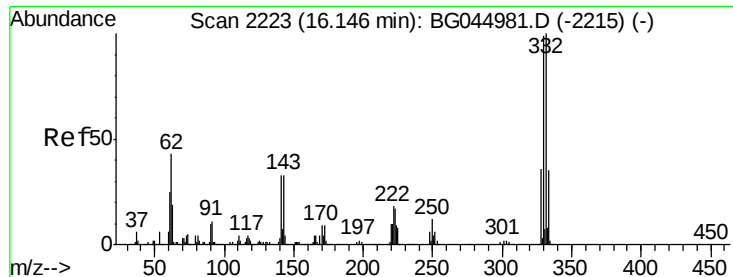


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

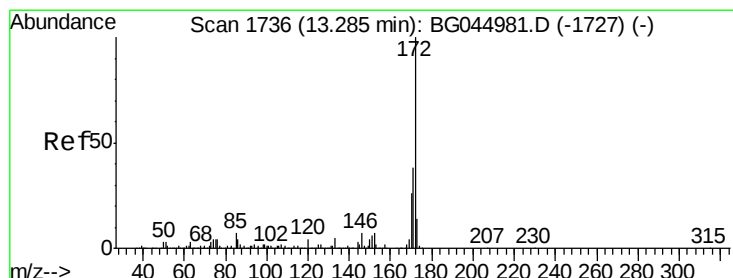
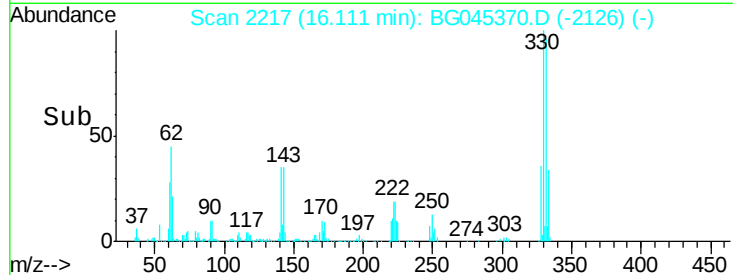
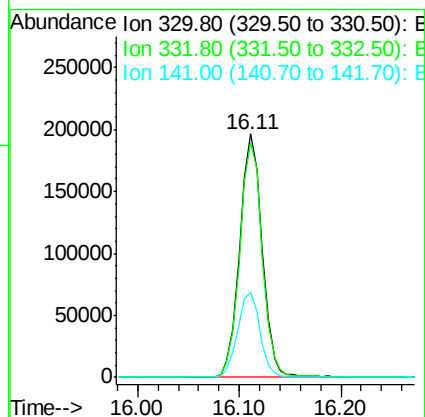
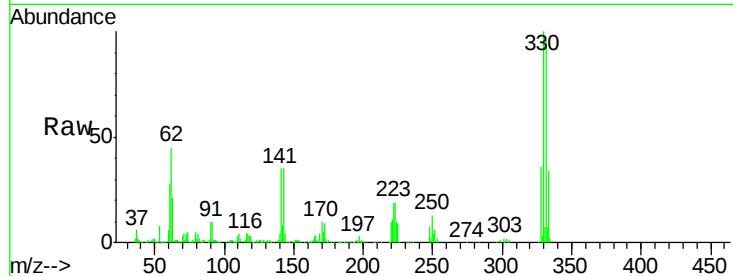




#42
 2,4,6-Tribromophenol
 Concen: 84.114 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. 0.00 min
 Lab File: BG045370.D
 Acq: 13 May 2020 20:34

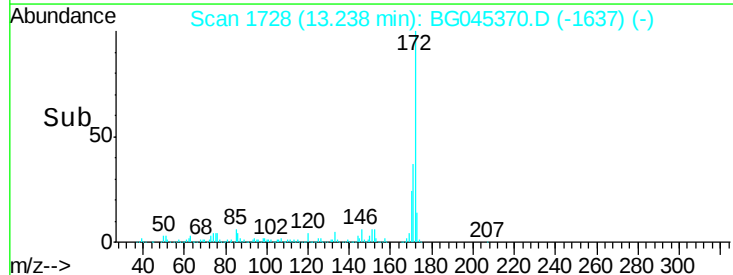
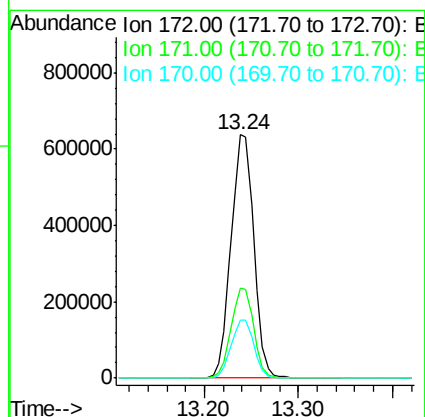
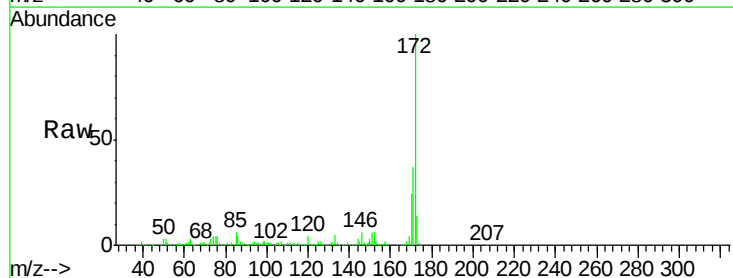
Instrument :
 BNA_G
 ClientSampleId :

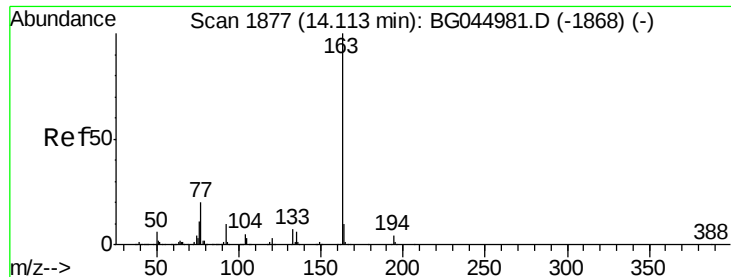
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	79.1	118.7
141	35.4	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 67.592 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. 0.00 min
 Lab File: BG045370.D
 Acq: 13 May 2020 20:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.6	46.0
170	23.9	20.5	30.7





#50

Dimethylphthalate

Concen: 8.697 ng

RT: 14.07 min Scan# 1869

Delta R.T. -0.00 min

Lab File: BG045370.D

Acq: 13 May 2020 20:34

Instrument :

BNA_G

ClientSampleId :

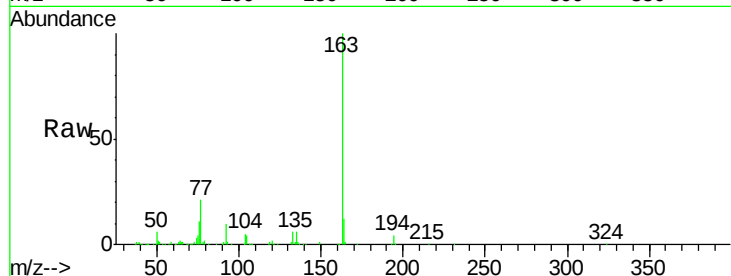
Tot Ion:163 Resp: 164428

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

164 11.8 8.2 12.4

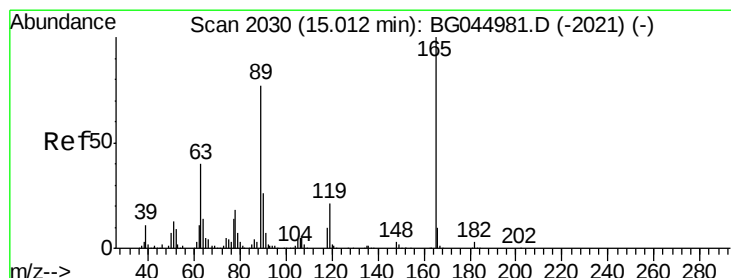
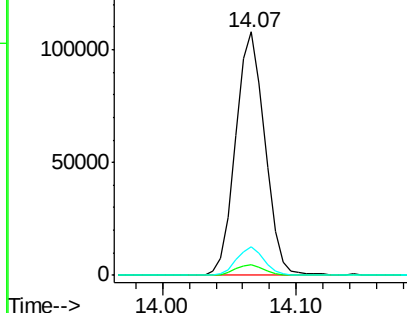
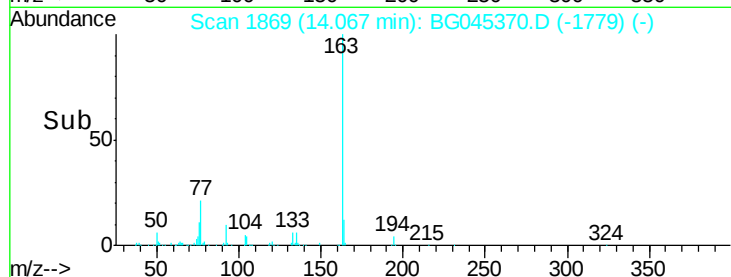


Abundance

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: 4.850 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.36 min

Lab File: BG045370.D

Acq: 13 May 2020 20:34

Tgt Ion:165 Resp: 29973

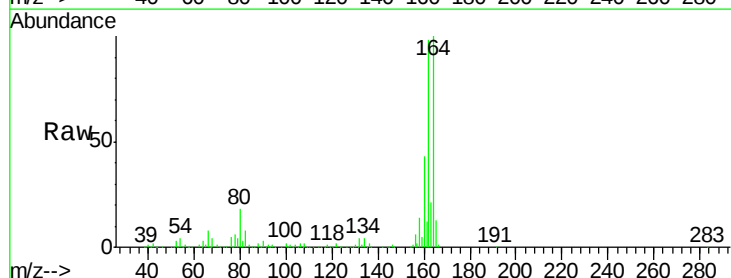
Ion Ratio Lower Upper

165 100

63 2.5 32.2 48.2#

89 2.3 61.7 92.5#

182 0.0 2.0 3.0#



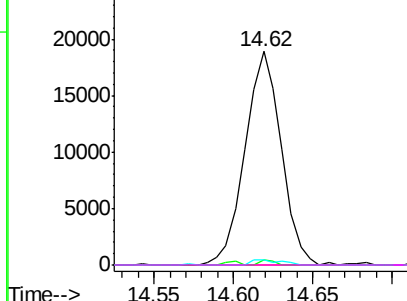
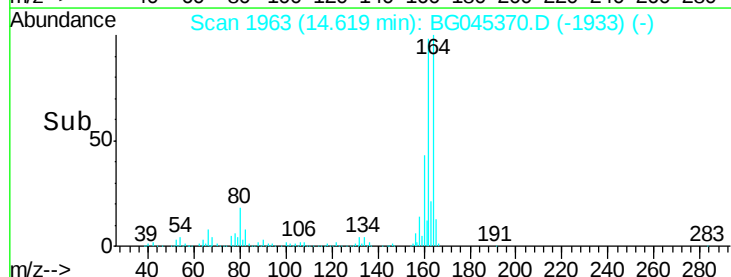
Abundance

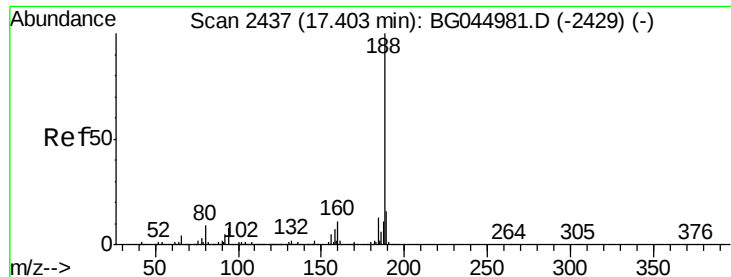
Ion 165.00 (164.70 to 165.70): E

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: 17.37 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BG045370.D

Acq: 13 May 2020 20:34

Instrument :

BNA_G

ClientSampleId :

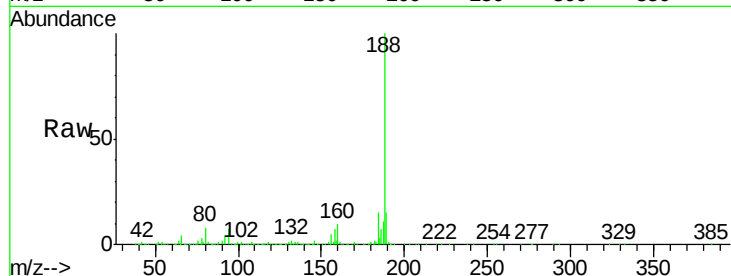
Tot Ion:188 Resp: 465912

Ion Ratio Lower Upper

188 100

94 7.2 6.2 9.4

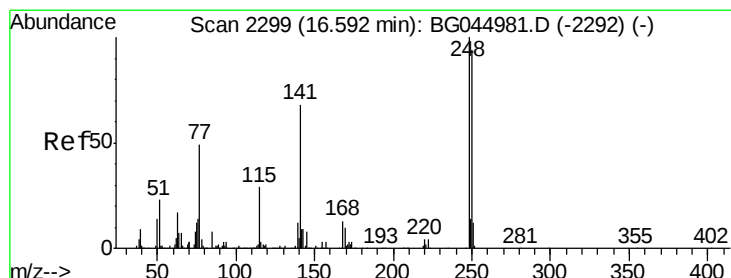
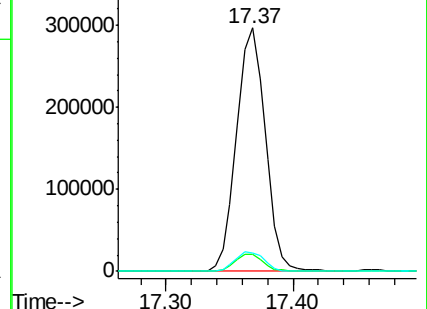
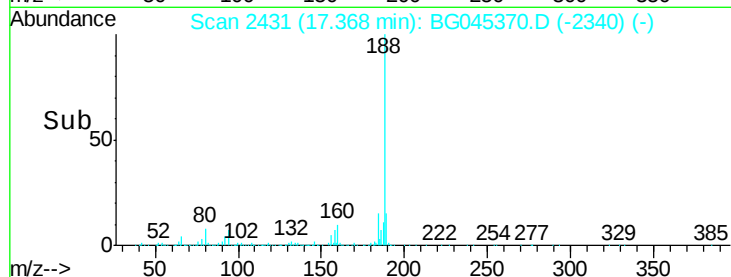
80 7.7 7.0 10.6



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: 3.447 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.44 min

Lab File: BG045370.D

Acq: 13 May 2020 20:34

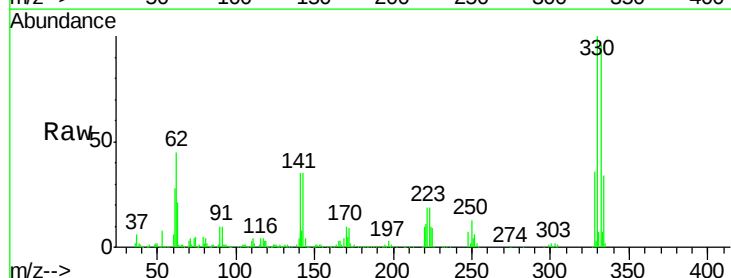
Tgt Ion:248 Resp: 20718

Ion Ratio Lower Upper

248 100

250 189.6 75.4 113.2#

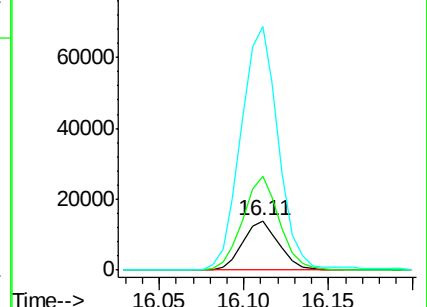
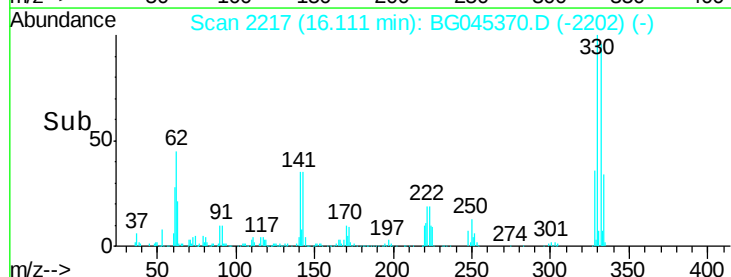
141 492.4 54.4 81.6#

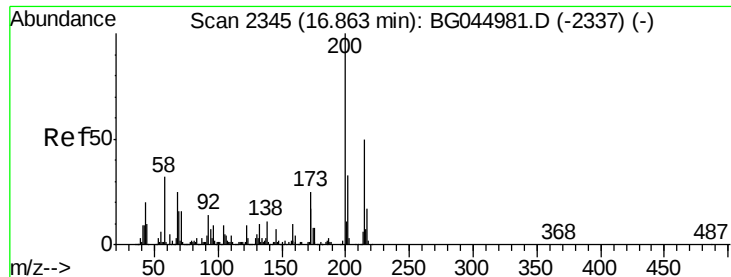


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.80 min Scan# 2334

Delta R.T. -0.02 min

Lab File: BG045370.D

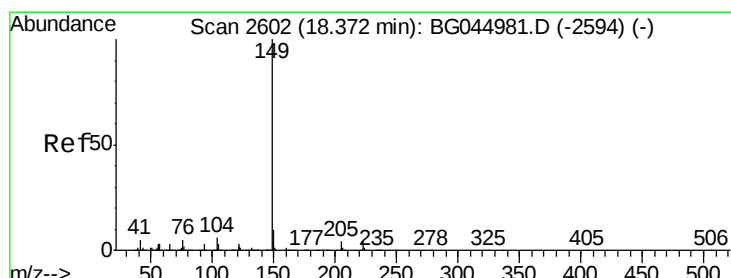
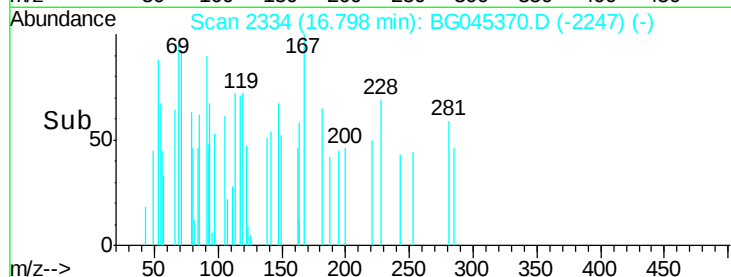
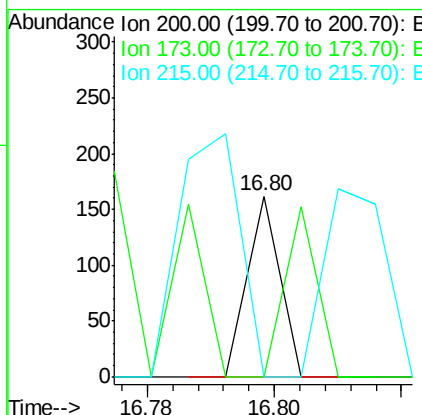
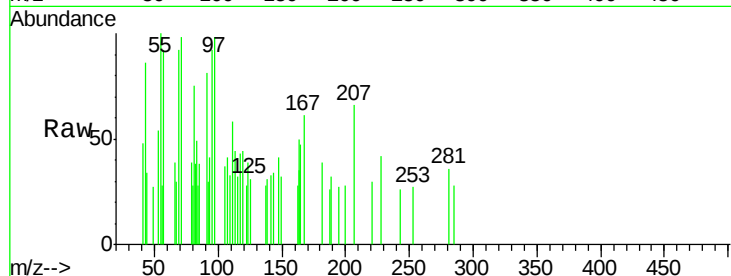
Acq: 13 May 2020 20:34

Instrument :

BNA_G

ClientSampled :

Tot Ion:	200	Resp:	57
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

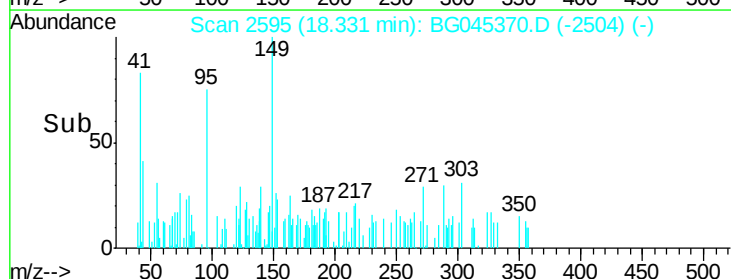
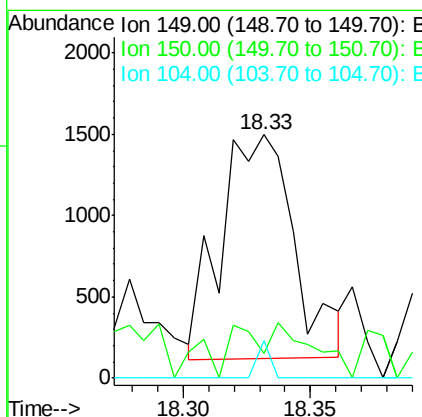
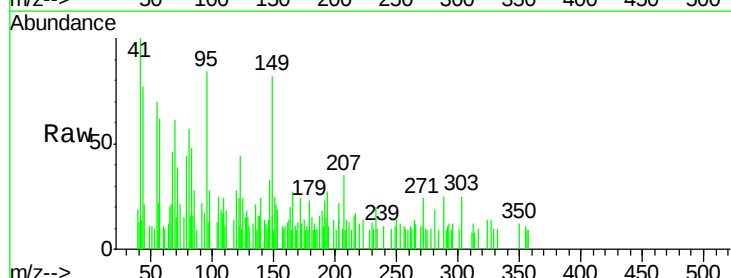
RT: 18.33 min Scan# 2595

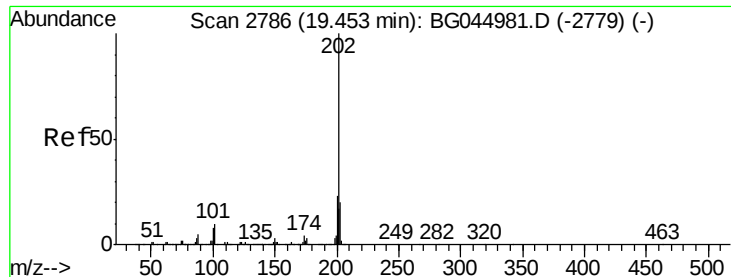
Delta R.T. 0.00 min

Lab File: BG045370.D

Acq: 13 May 2020 20:34

Tgt Ion:	149	Resp:	2777
Ion	Ratio	Lower	Upper
149	100		
150	10.4	8.2	12.2
104	15.4	4.8	7.2#

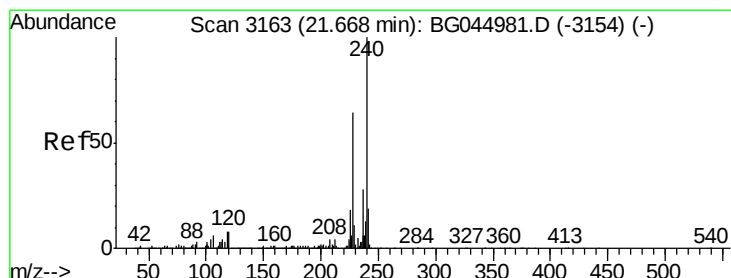
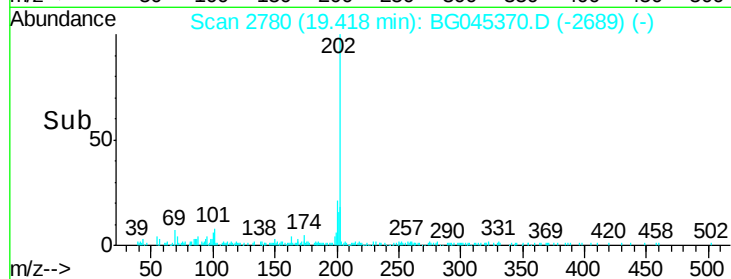
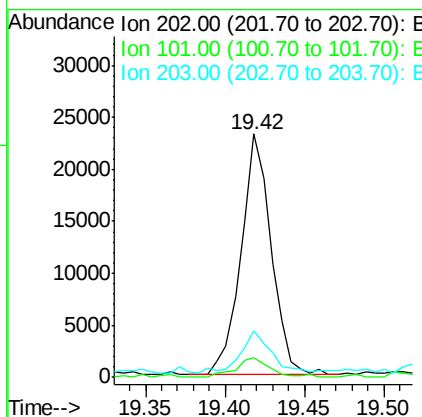
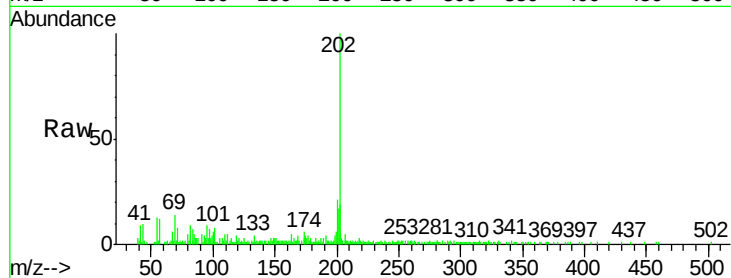




#75
 Fluoranthene
 Concen: Below Cal
 RT: 19.42 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: BG045370.D
 Acq: 13 May 2020 20:34

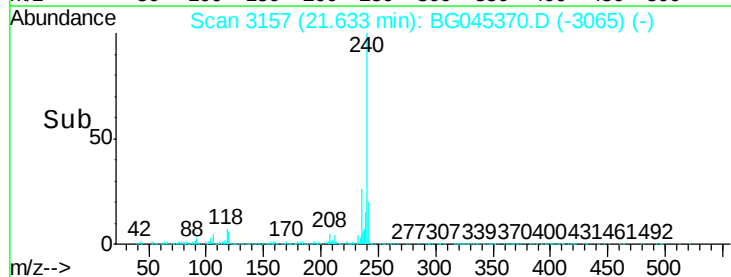
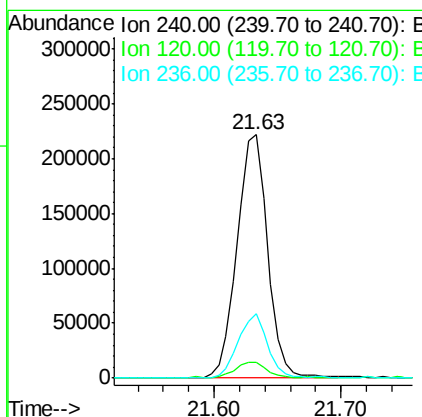
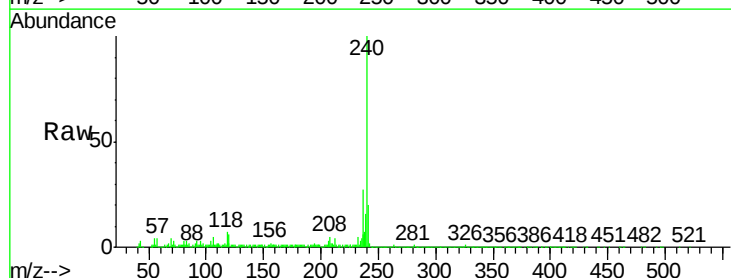
Instrument :
 BNA_G
 ClientSampleId :

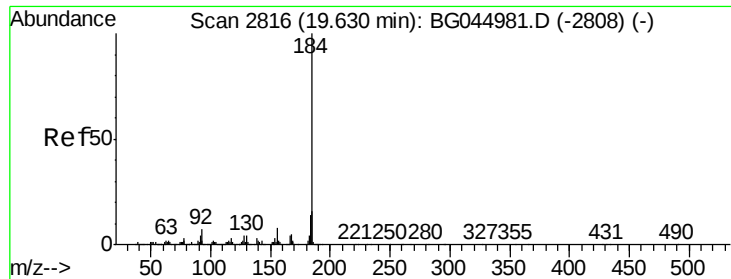
Tot Ion:	202	Resp:	30564
Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	29.6
203	19.1	0.0	39.7



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.63 min Scan# 3157
 Delta R.T. 0.01 min
 Lab File: BG045370.D
 Acq: 13 May 2020 20:34

Tgt Ion:	240	Resp:	368435
Ion	Ratio	Lower	Upper
240	100		
120	6.3	6.6	10.0#
236	26.5	22.2	33.2





#77

Benzidine

Concen: Below Cal

RT: 19.69 min Scan# 2827

Delta R.T. 0.10 min

Lab File: BG045370.D

Acq: 13 May 2020 20:34

Instrument :

BNA_G

ClientSampleId :

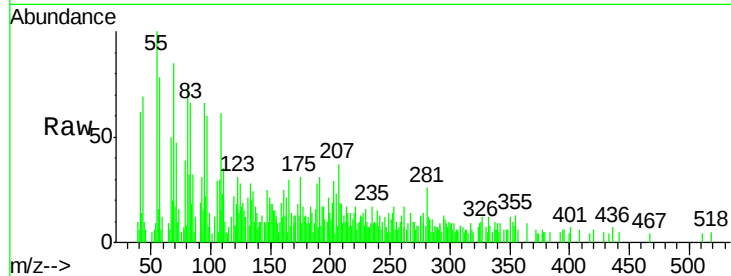
Tot Ion:184 Resp: 957

Ion Ratio Lower Upper

184 100

185 107.8 12.6 19.0#

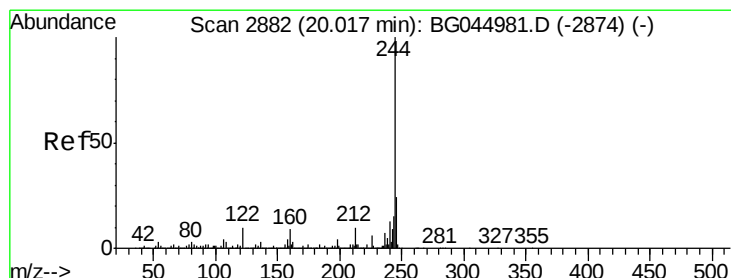
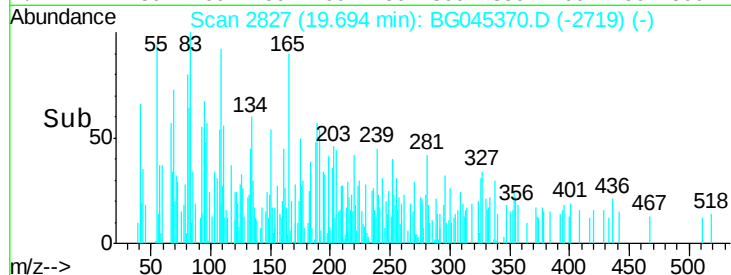
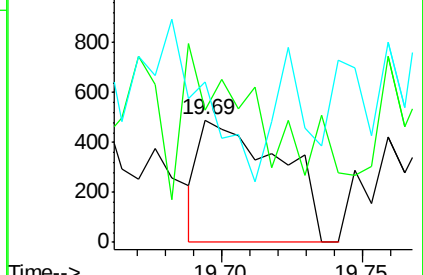
183 131.0 11.3 16.9#



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: 75.783 ng

RT: 19.98 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BG045370.D

Acq: 13 May 2020 20:34

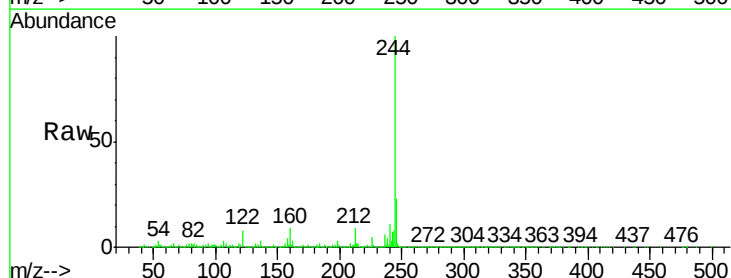
Tgt Ion:244 Resp: 1281041

Ion Ratio Lower Upper

244 100

212 9.0 7.9 11.9

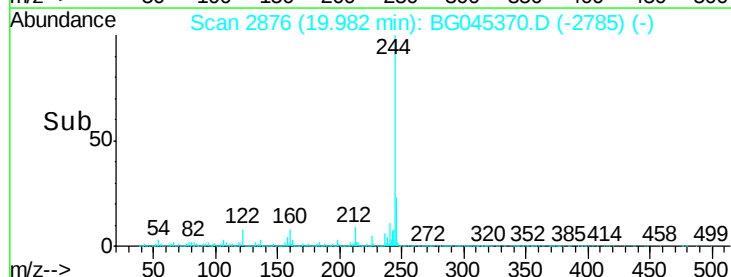
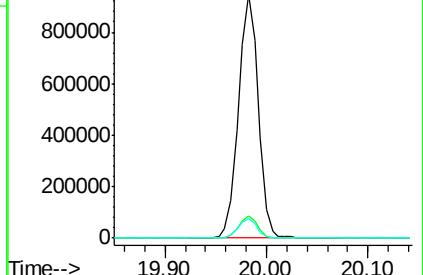
122 8.0 7.7 11.5

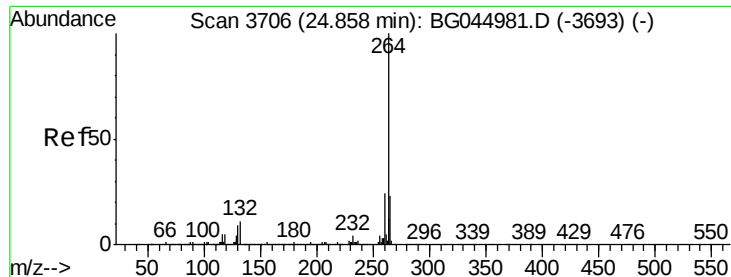


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

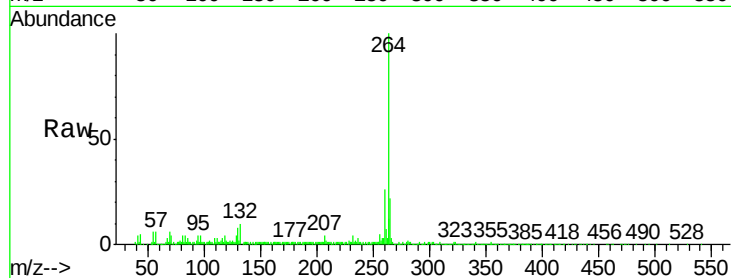




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.80 min Scan# 3696
 Delta R.T. 0.01 min
 Lab File: BG045370.D
 Acq: 13 May 2020 20:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	405384
Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.2	28.8
265	21.6	19.0	28.4



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

