

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042320\
 Data File : BG045146.D
 Acq On : 23 Apr 2020 17:50
 Operator : CG/JU
 Sample : L2326-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 24 01:49:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 13:58:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	80932	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	311298	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	227476	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	481823	20.00	ng	0.00
76) Chrysene-d12	21.65	240	422664	20.00	ng	0.00
87) Perylene-d12	24.83	264	480492	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	156627	31.95	ng	0.01
7) Phenol-d6	7.39	99	126651	17.39	ng	0.22
23) Nitrobenzene-d5	9.18	82	646829	94.81	ng	0.02
42) 2,4,6-Tribromophenol	16.13	330	206194	58.67	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	1365640	88.03	ng	0.00
79) Terphenyl-d14	20.01	244	1890659	97.50	ng	0.00

Target Compounds

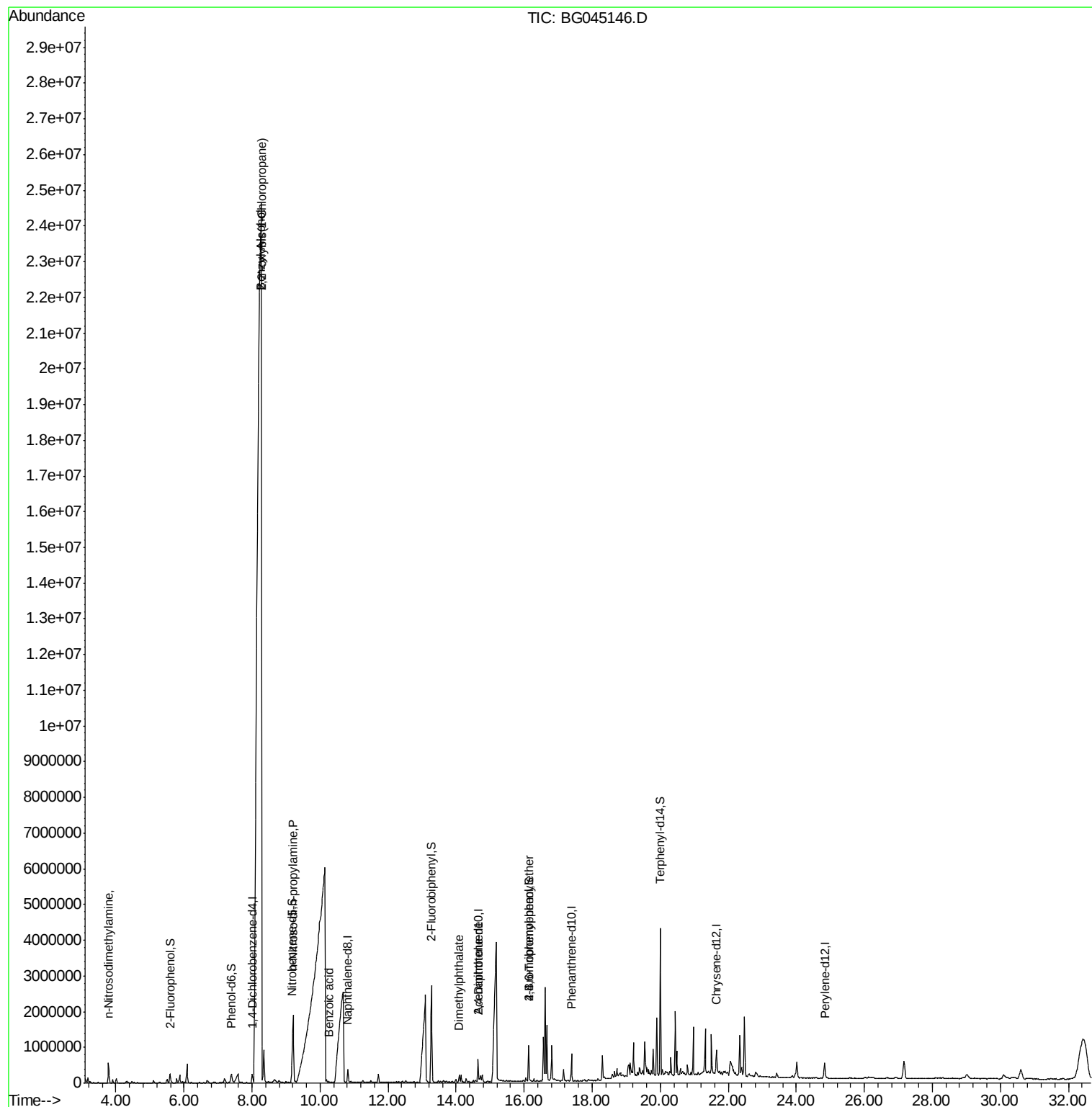
						Qvalue
4) n-Nitrosodimethylamine	3.78	42	26262	12.780	ng	# 1
9) Benzaldehyde	7.14	77	253	Below Cal		# 4
15) Benzyl Alcohol	8.26	79	405864	66.464	ng	# 40
16) 2,2'-oxybis(1-Chloropropan	8.28	45	1553671	272.756	ng	# 93
19) n-Nitroso-di-n-propylamine	9.21	70	425697	82.646	ng	# 62
32) Benzoic acid	10.26	122	5131	7.526	ng	# 36
50) Dimethylphthalate	14.10	163	121991	6.586	ng	# 97
57) 2,4-Dinitrotoluene	14.65	165	31913	5.271	ng	# 24
67) 4-Bromophenyl-phenylether	16.13	248	14318	2.303	ng	# 1
69) Atrazine	16.82	200	2125	Below Cal		# 35
74) Di-n-butylphthalate	18.35	149	1902	Below Cal		# 58
75) Fluoranthene	19.44	202	134	Below Cal		# 1
77) Benzidine	19.21	184	7549	Below Cal		# 1

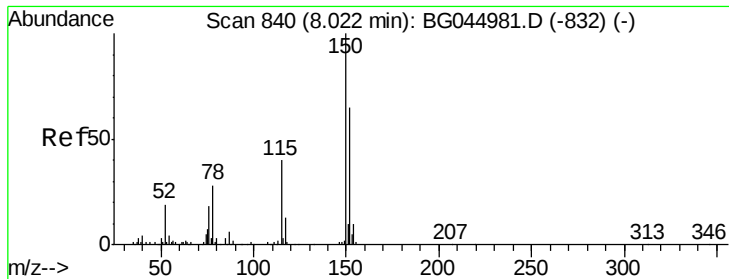
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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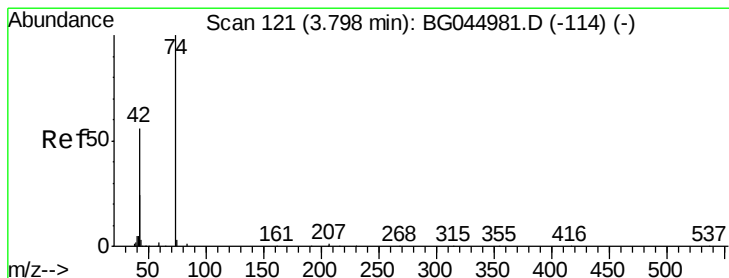
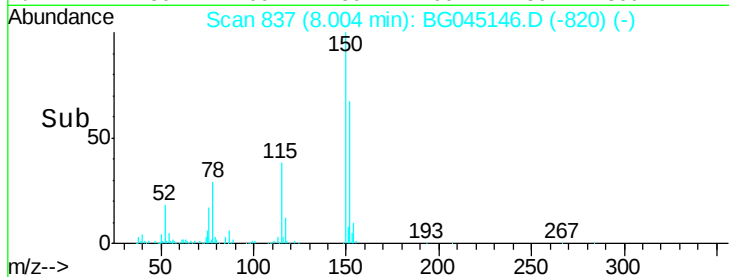
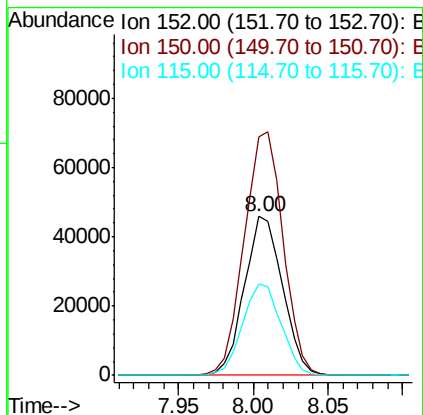
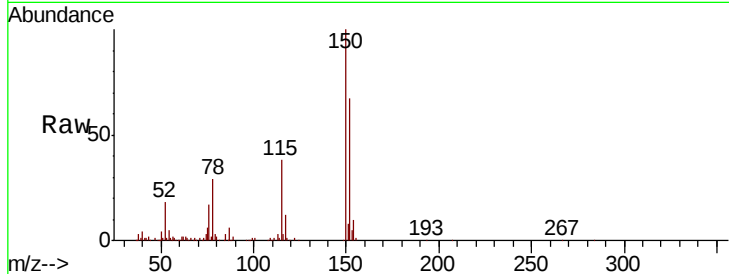


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG045146.D
Acq: 23 Apr 2020 17:50

Instrument :
BNA_G
ClientSampleId :

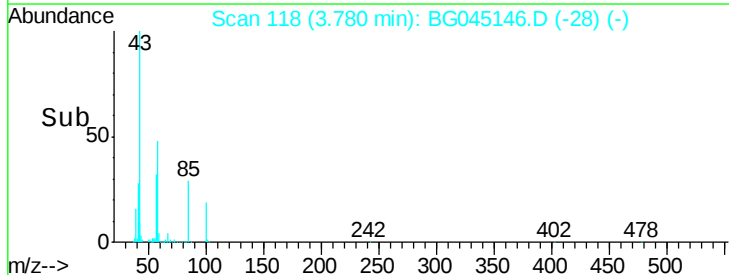
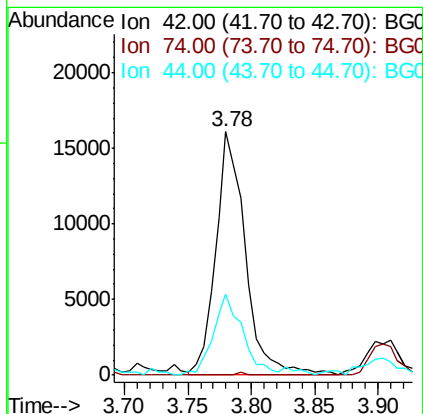
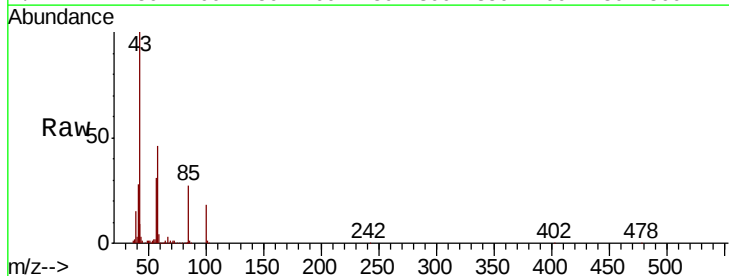
Tot Ion	Ratio	Lower	Upper
152	100		
150	150.3	123.6	185.4
115	57.8	49.1	73.7

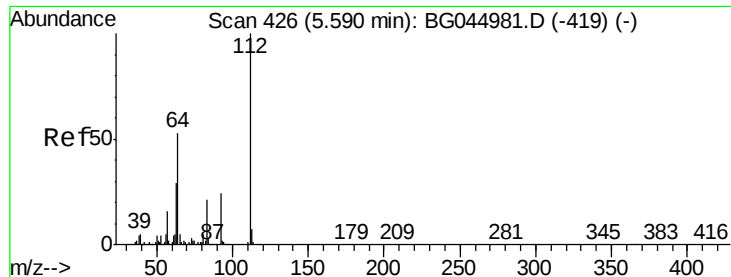


#4

n-Nitrosodimethylamine
Concen: 12.780 ng
RT: 3.78 min Scan# 118
Delta R.T. -0.00 min
Lab File: BG045146.D
Acq: 23 Apr 2020 17:50

Tgt Ion	Ratio	Lower	Upper
42	100		
74	0.0	143.0	214.6#
44	33.2	4.6	6.8#





#5

2-Fluorophenol

Concen: 31.951 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.01 min

Lab File: BG045146.D

Acq: 23 Apr 2020 17:50

Instrument :

BNA_G

ClientSampleId :

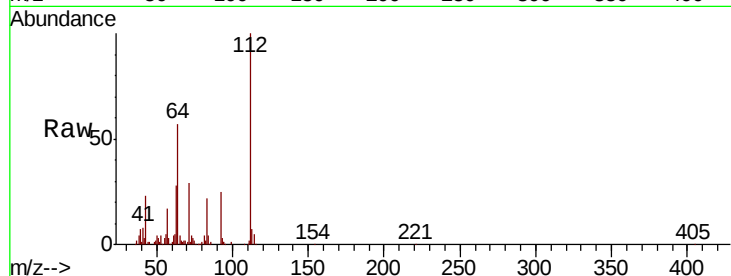
Tot Ion:112 Resp: 156627

Ion Ratio Lower Upper

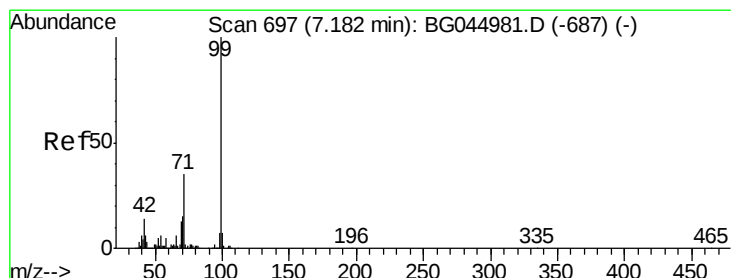
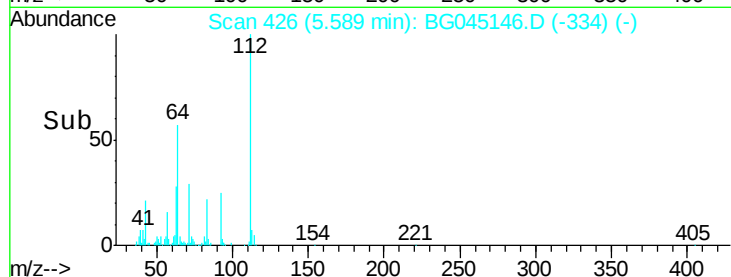
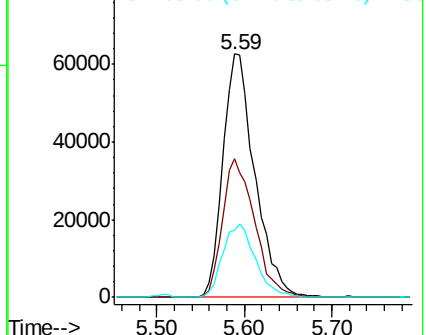
112 100

64 56.9 42.4 63.6

63 27.7 23.1 34.7



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



#7

Phenol-d6

Concen: 17.389 ng

RT: 7.39 min Scan# 733

Delta R.T. 0.22 min

Lab File: BG045146.D

Acq: 23 Apr 2020 17:50

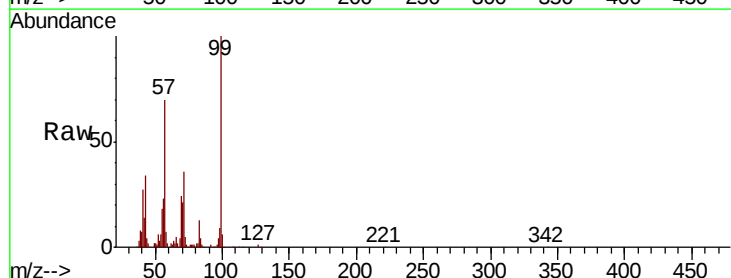
Tgt Ion: 99 Resp: 126651

Ion Ratio Lower Upper

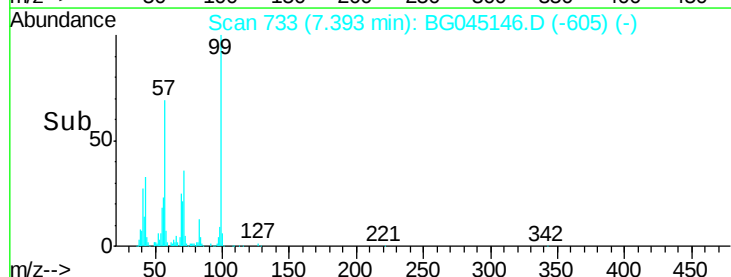
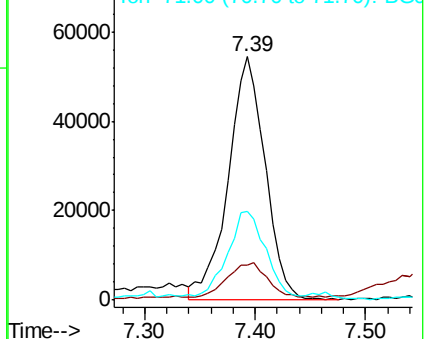
99 100

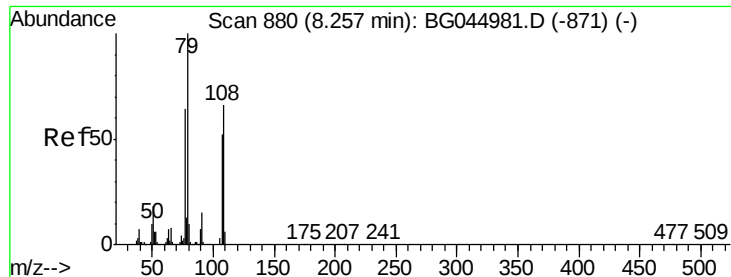
42 14.5 11.3 16.9

71 36.2 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





#15

Benzyl Alcohol

Concen: 66.464 ng

RT: 8.26 min Scan# 881

Delta R.T. 0.02 min

Lab File: BG045146.D

Acq: 23 Apr 2020 17:50

Instrument :

BNA_G

ClientSampleId :

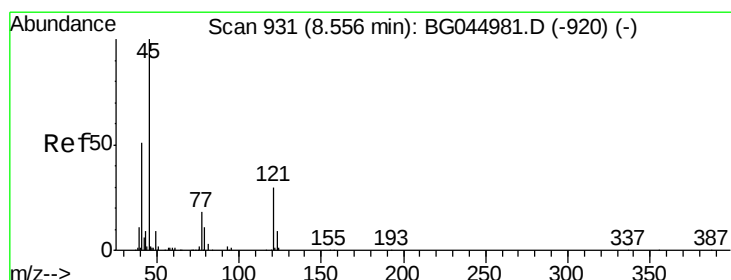
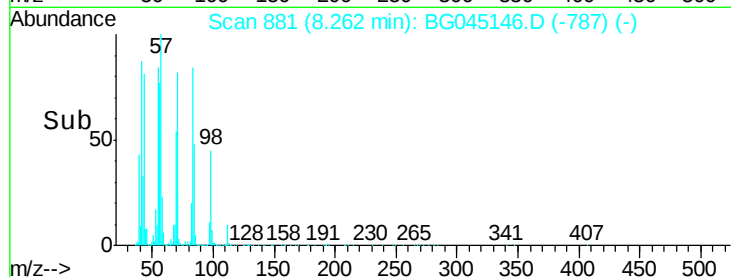
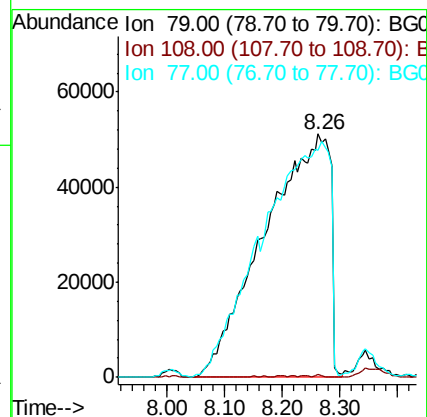
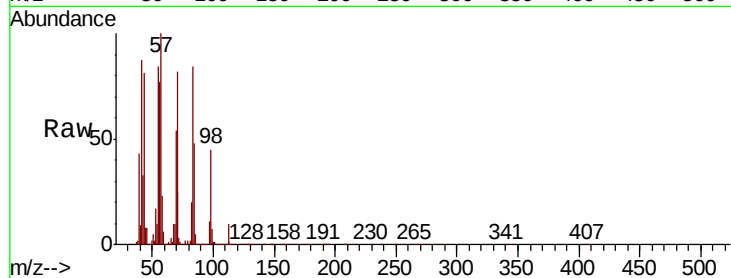
Tot Ion: 79 Resp: 405864

Ion Ratio Lower Upper

79 100

108 1.1 52.7 79.1#

77 93.1 51.3 76.9#



#16

2,2'-oxybis(1-Chloropropane)

Concen: 272.756 ng

RT: 8.28 min Scan# 884

Delta R.T. -0.25 min

Lab File: BG045146.D

Acq: 23 Apr 2020 17:50

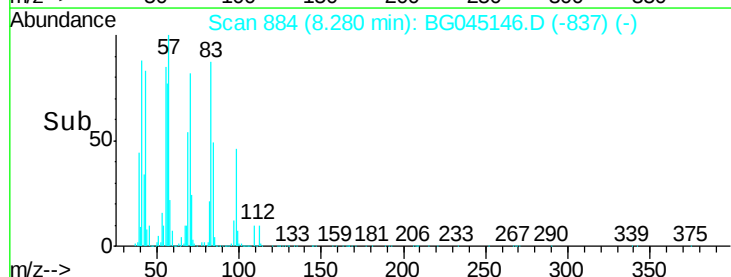
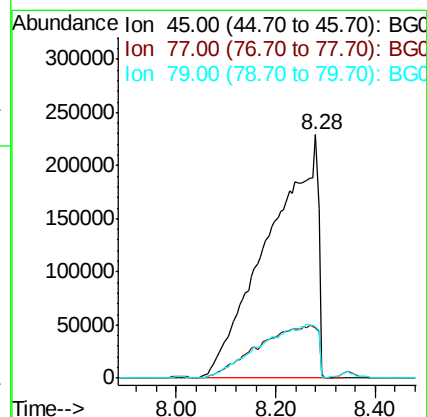
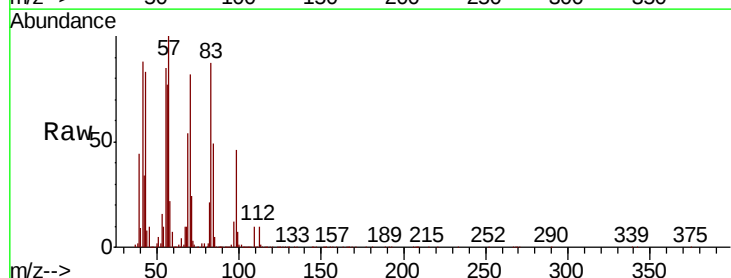
Tgt Ion: 45 Resp: 1553671

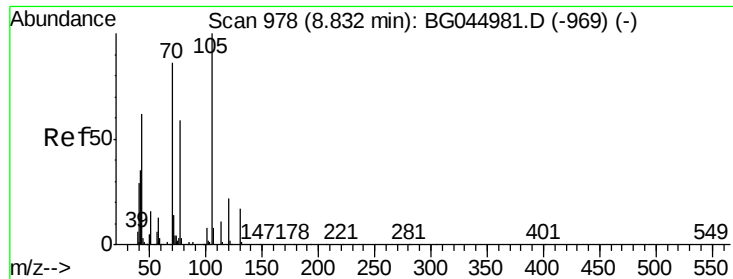
Ion Ratio Lower Upper

45 100

77 20.7 1.9 41.9

79 20.9 0.0 35.5

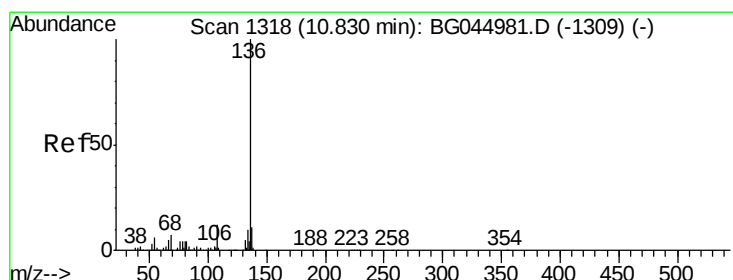
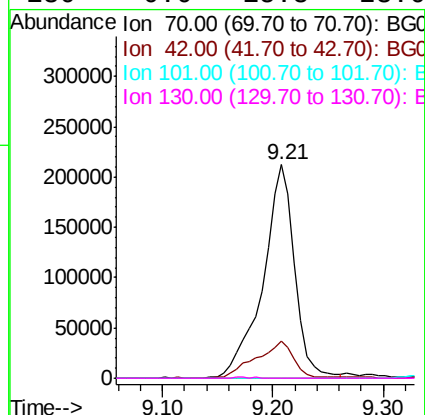
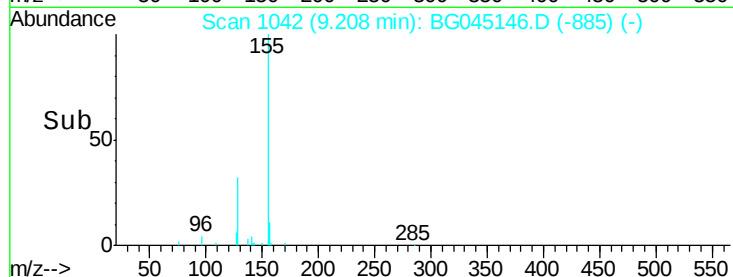
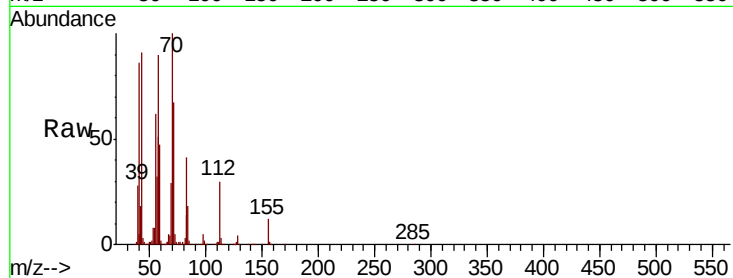




#19
n-Nitroso-di-n-propylamine
Concen: 82.646 ng
RT: 9.21 min Scan# 1042
Delta R.T. 0.39 min
Lab File: BG045146.D
Acq: 23 Apr 2020 17:50

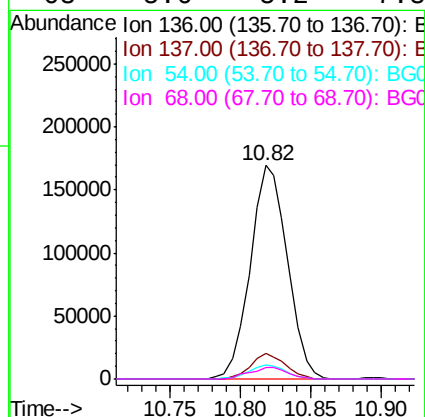
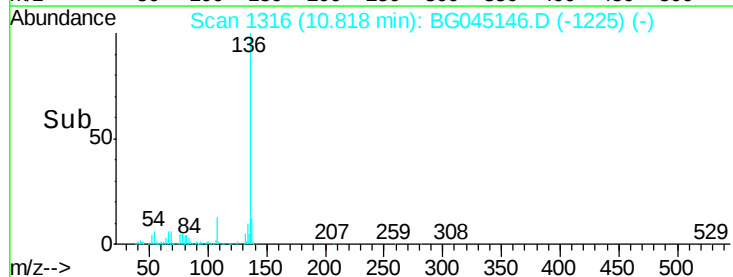
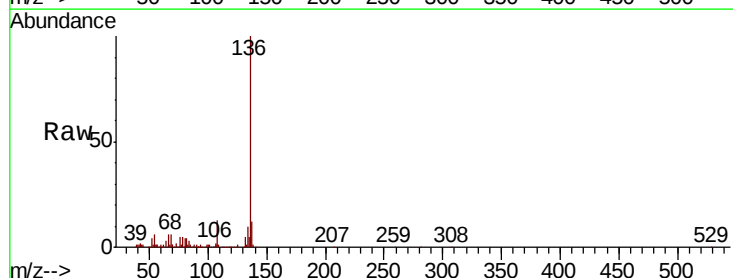
Instrument :
BNA_G
ClientSampleId :

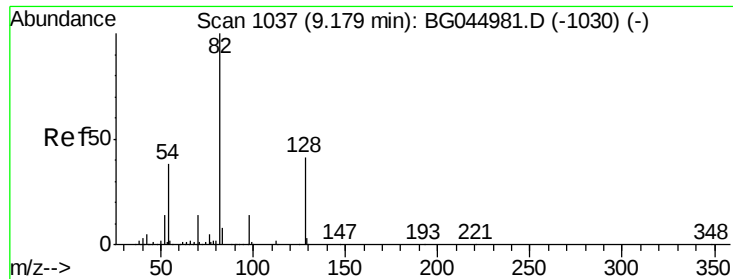
Tot Ion: 70 Resp: 425697
Ion Ratio Lower Upper
70 100
42 17.6 33.3 49.9#
101 0.1 7.8 11.8#
130 0.0 15.8 23.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BG045146.D
Acq: 23 Apr 2020 17:50

Tgt Ion: 136 Resp: 311298
Ion Ratio Lower Upper
136 100
137 11.8 8.6 13.0
54 6.4 4.8 7.2
68 5.6 5.2 7.8

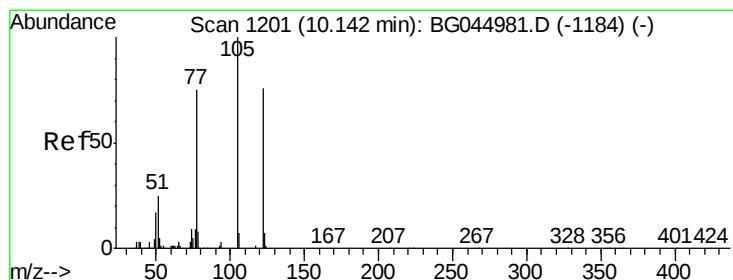
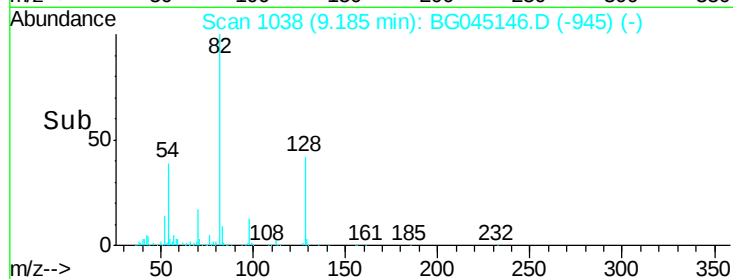
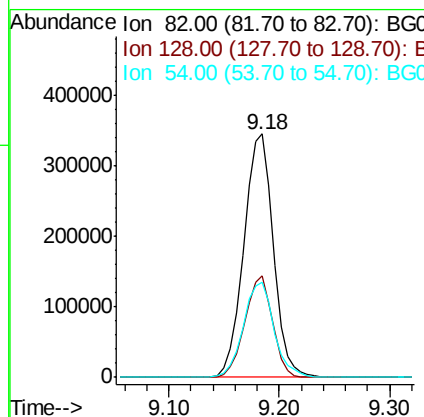
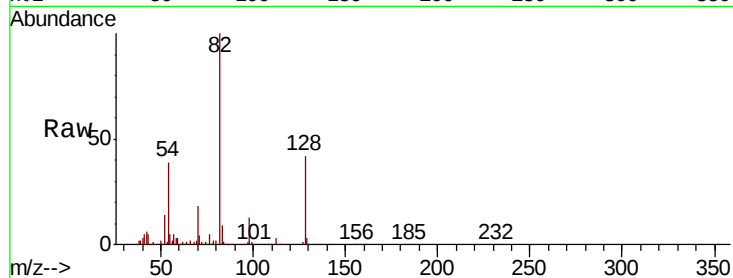




#23
 Nitrobenzene-d5
 Concen: 94.810 ng
 RT: 9.18 min Scan# 1038
 Delta R.T. 0.02 min
 Lab File: BG045146.D
 Acq: 23 Apr 2020 17:50

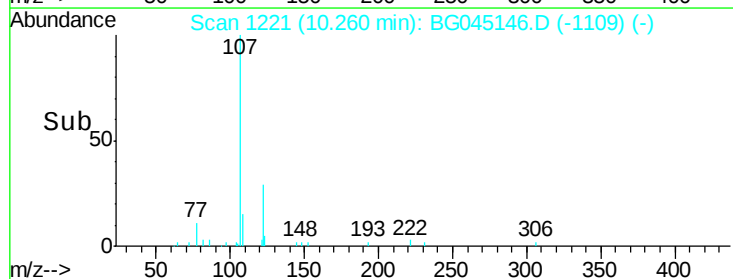
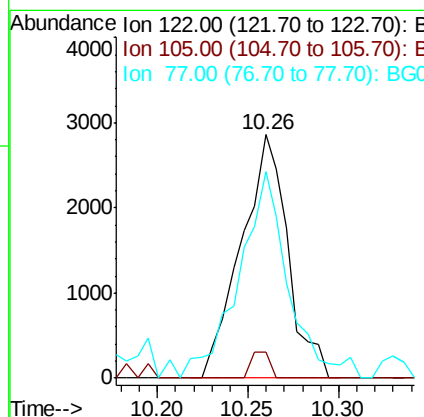
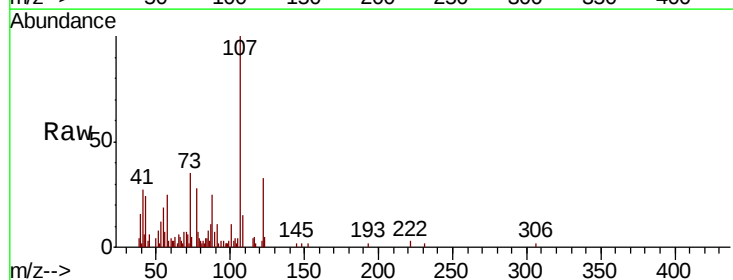
Instrument :
 BNA_G
 ClientSampleId :

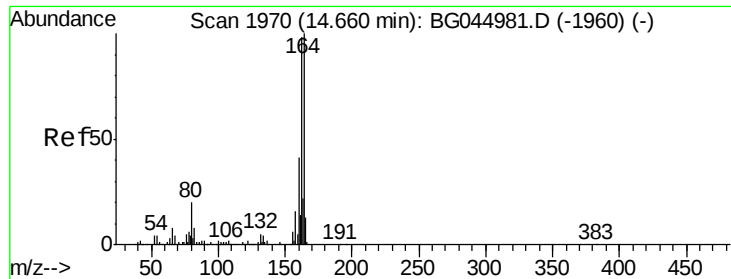
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.6	33.0	49.4
54	38.9	30.4	45.6



#32
 Benzoic acid
 Concen: 7.526 ng
 RT: 10.26 min Scan# 1221
 Delta R.T. 0.13 min
 Lab File: BG045146.D
 Acq: 23 Apr 2020 17:50

Tgt Ion	Ratio	Lower	Upper
122	100		
105	10.7	108.4	148.4#
77	84.6	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: BG045146.D

Acq: 23 Apr 2020 17:50

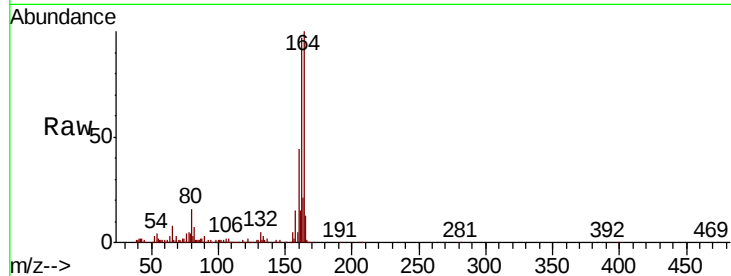
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 227476

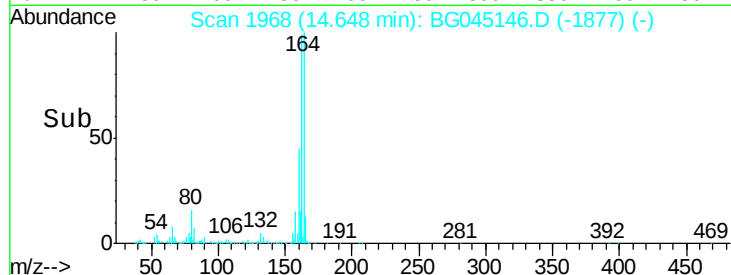
Ion	Ratio	Lower	Upper
164	100		
162	97.1	78.7	118.1
160	43.8	32.8	49.2



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: 58.674 ng

RT: 16.13 min Scan# 2221

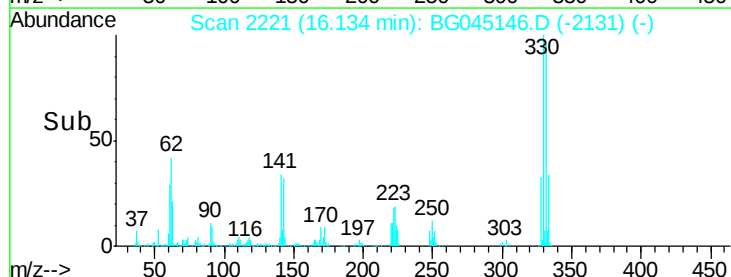
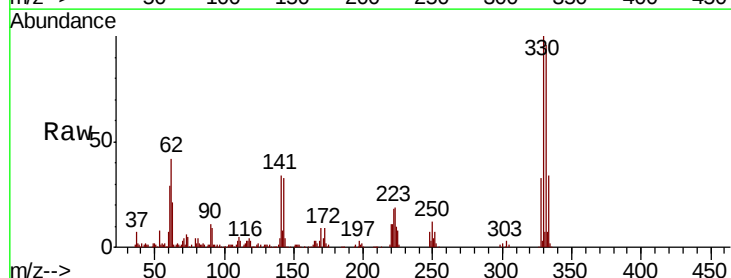
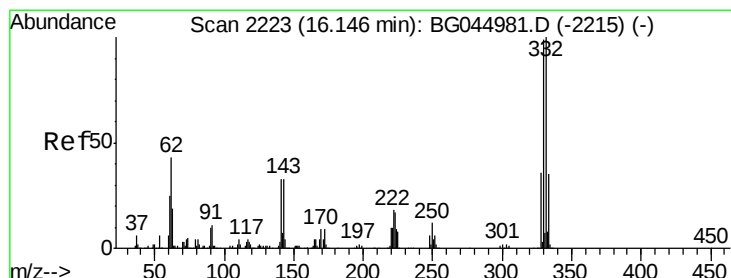
Delta R.T. -0.00 min

Lab File: BG045146.D

Acq: 23 Apr 2020 17:50

Tgt Ion:330 Resp: 206194

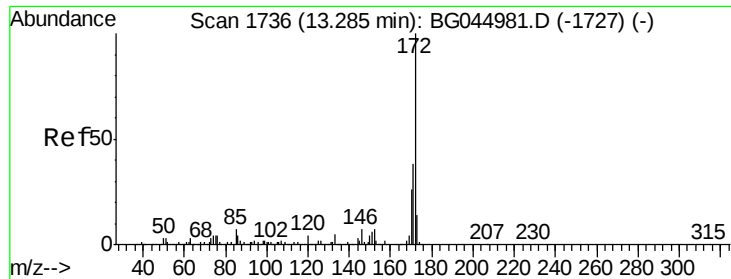
Ion	Ratio	Lower	Upper
330	100		
332	97.6	79.1	118.7
141	34.9	27.1	40.7



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

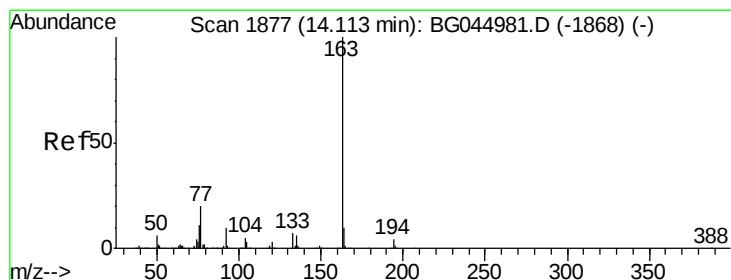
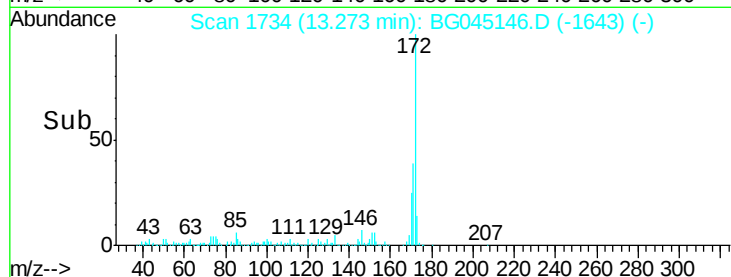
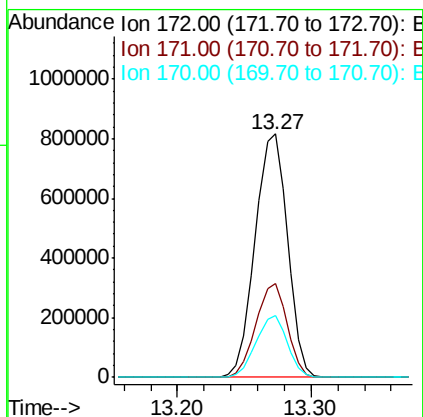
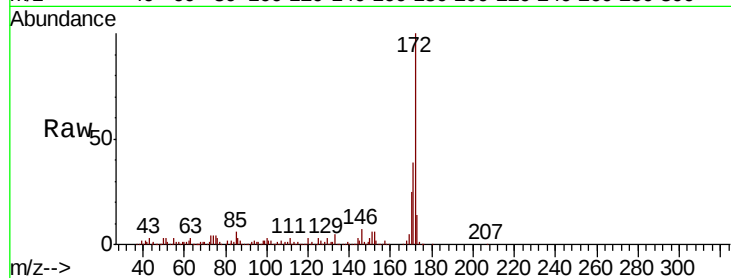
Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 88.030 ng
RT: 13.27 min Scan# 1734
Delta R.T. 0.00 min
Lab File: BG045146.D
Acq: 23 Apr 2020 17:50

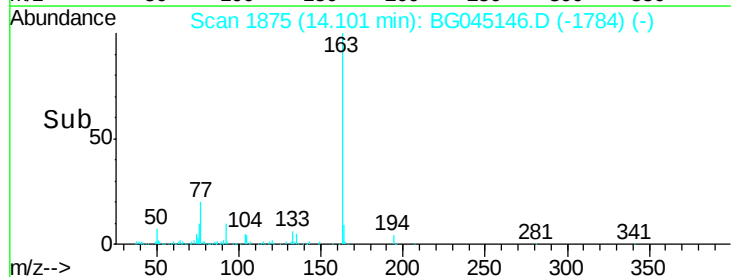
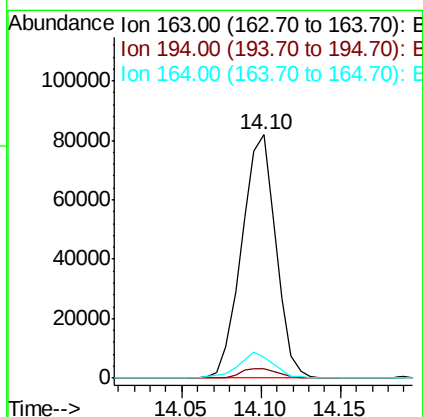
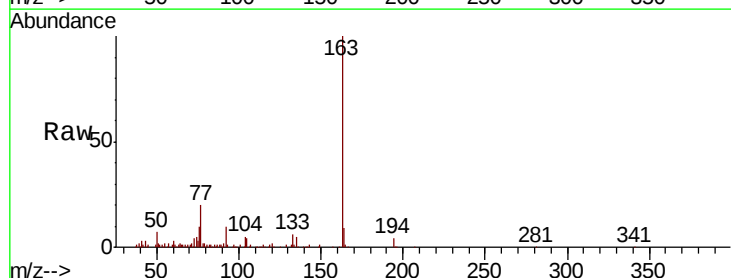
Instrument :
BNA_G
ClientSampled :

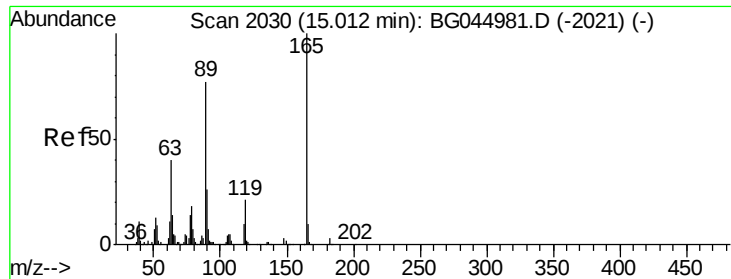
Tot Ion:172 Resp: 1365640
Ion Ratio Lower Upper
172 100
171 38.5 30.6 46.0
170 25.2 20.5 30.7



#50
Dimethylphthalate
Concen: 6.586 ng
RT: 14.10 min Scan# 1875
Delta R.T. 0.00 min
Lab File: BG045146.D
Acq: 23 Apr 2020 17:50

Tgt Ion:163 Resp: 121991
Ion Ratio Lower Upper
163 100
194 4.1 3.5 5.3
164 8.8 8.2 12.4

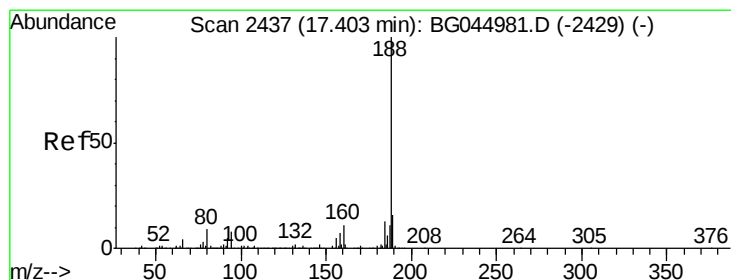
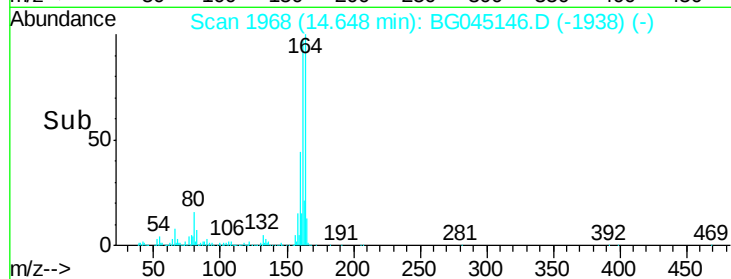
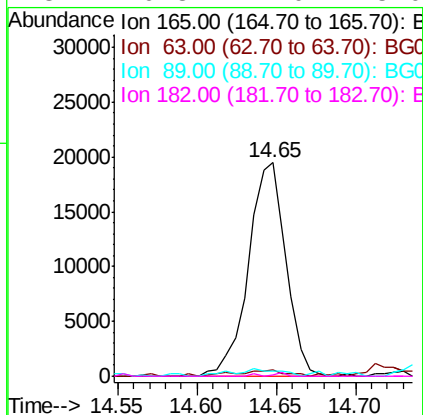
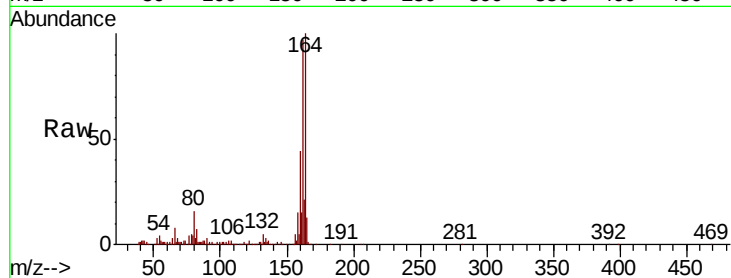




#57
 2,4-Dinitrotoluene
 Concen: 5.271 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.35 min
 Lab File: BG045146.D
 Acq: 23 Apr 2020 17:50

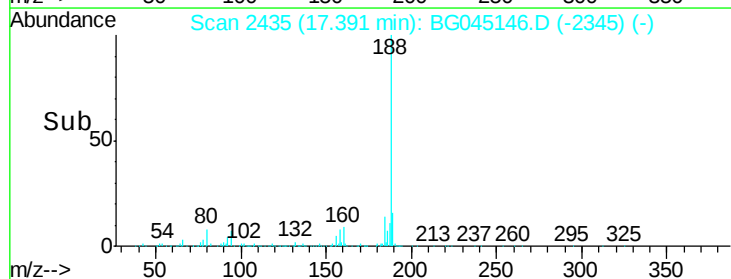
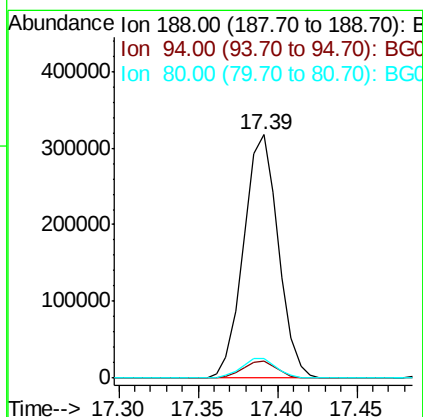
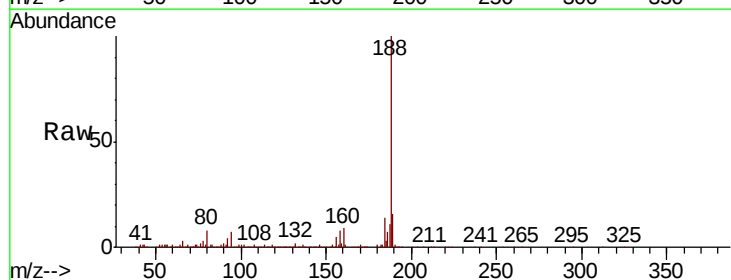
Instrument :
 BNA_G
 ClientSampleId :

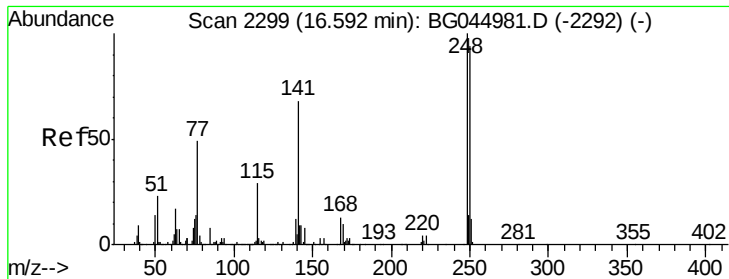
Tot Ion:165 Resp: 31913
 Ion Ratio Lower Upper
 165 100
 63 3.2 32.2 48.2#
 89 2.2 61.7 92.5#
 182 0.8 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2435
 Delta R.T. -0.00 min
 Lab File: BG045146.D
 Acq: 23 Apr 2020 17:50

Tgt Ion:188 Resp: 481823
 Ion Ratio Lower Upper
 188 100
 94 6.8 6.2 9.4
 80 7.9 7.0 10.6

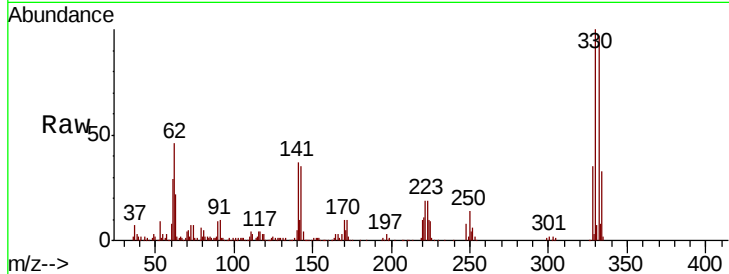




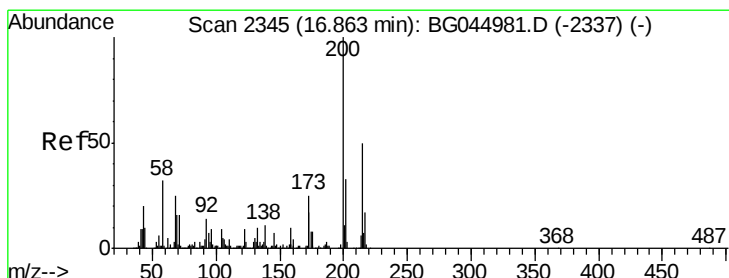
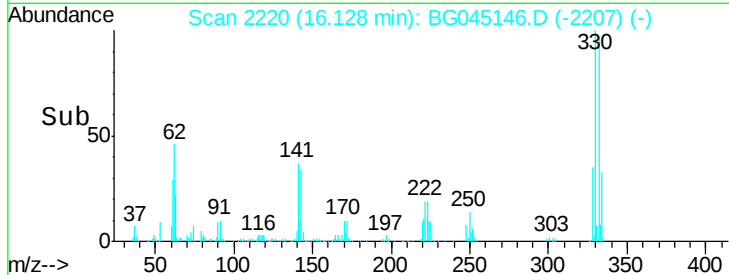
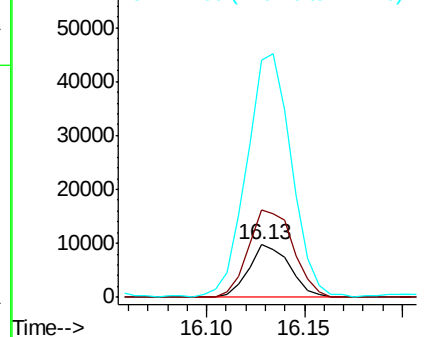
#67
4-Bromophenyl-phenylether
Concen: 2.303 ng
RT: 16.13 min Scan# 2220
Delta R.T. -0.45 min
Lab File: BG045146.D
Acq: 23 Apr 2020 17:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 14318
Ion Ratio Lower Upper
248 100
250 166.4 75.4 113.2#
141 448.8 54.4 81.6#

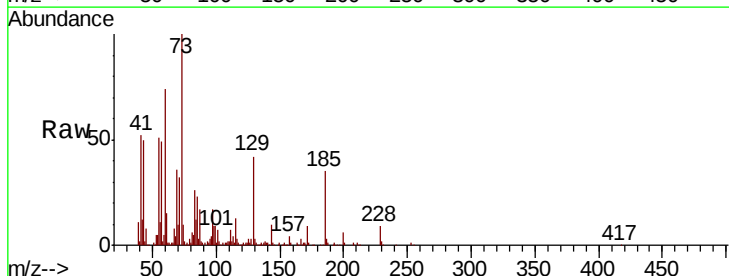


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

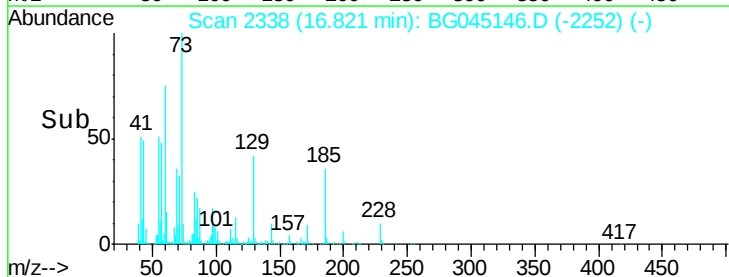
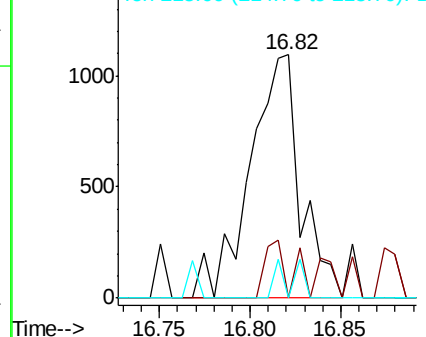


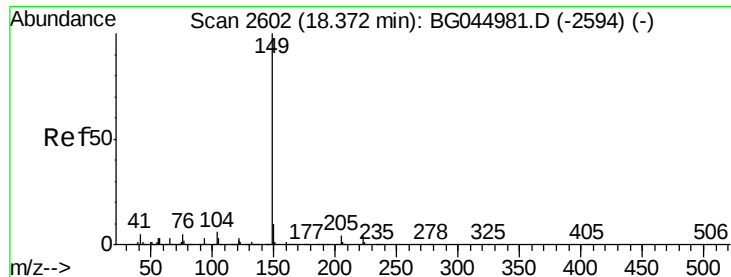
#69
Atrazine
Concen: Below Cal
RT: 16.82 min Scan# 2338
Delta R.T. -0.02 min
Lab File: BG045146.D
Acq: 23 Apr 2020 17:50

Tgt Ion:200 Resp: 2125
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: 18.35 min Scan# 2599

Delta R.T. -0.00 min

Lab File: BG045146.D

Acq: 23 Apr 2020 17:50

Instrument :

BNA_G

ClientSampleId :

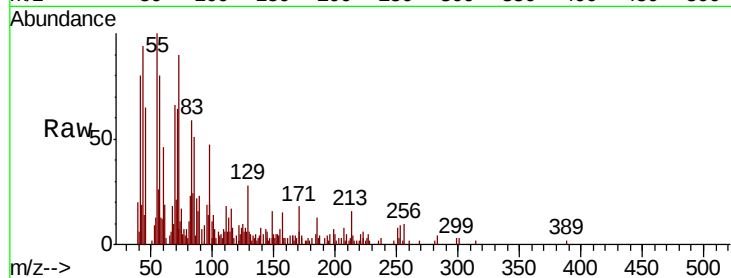
Tot Ion:149 Resp: 1902

Ion Ratio Lower Upper

149 100

150 31.0 8.2 12.2#

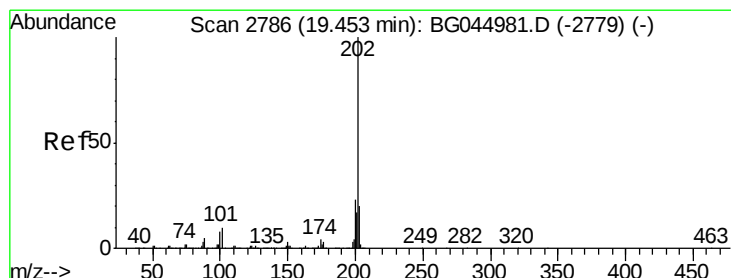
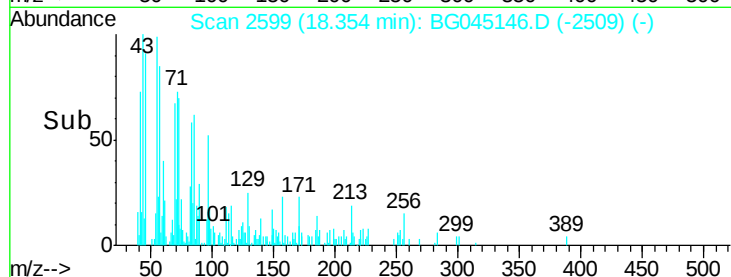
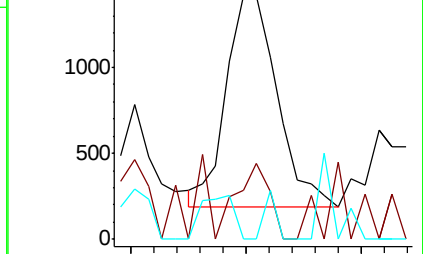
104 0.0 4.8 7.2#



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: 19.44 min Scan# 2784

Delta R.T. -0.00 min

Lab File: BG045146.D

Acq: 23 Apr 2020 17:50

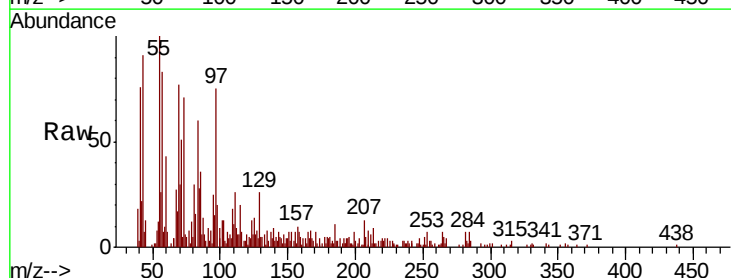
Tgt Ion:202 Resp: 134

Ion Ratio Lower Upper

202 100

101 820.7 0.0 29.6#

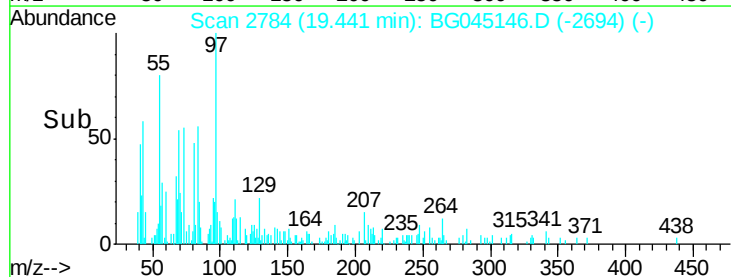
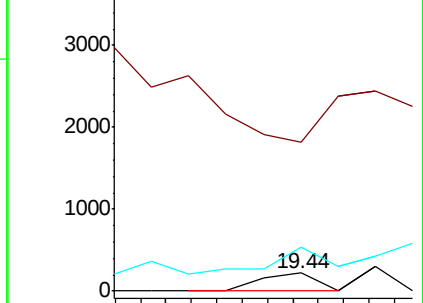
203 243.2 0.0 39.7#

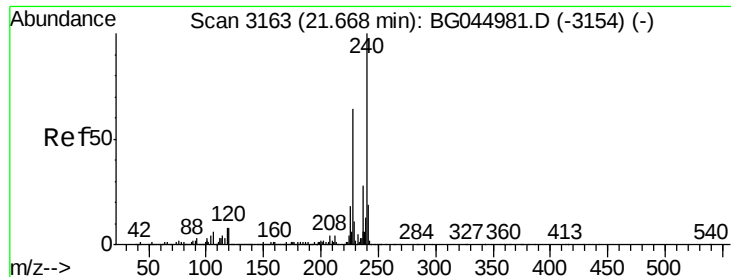


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

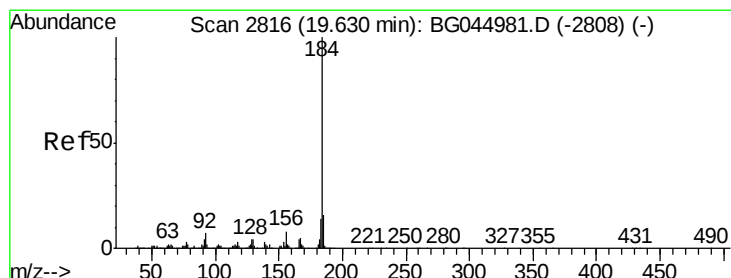
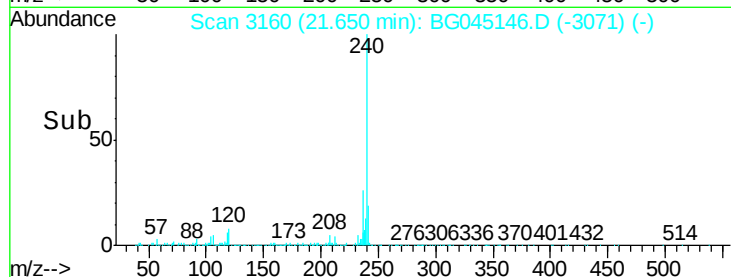
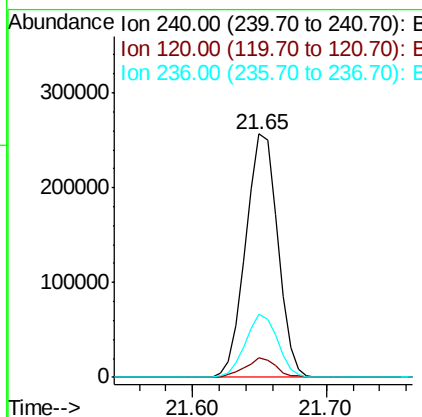
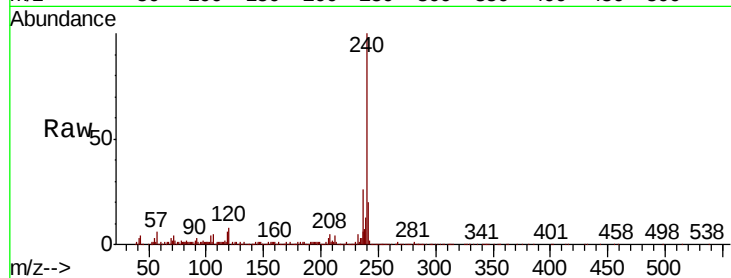




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3160
Delta R.T. -0.01 min
Lab File: BG045146.D
Acq: 23 Apr 2020 17:50

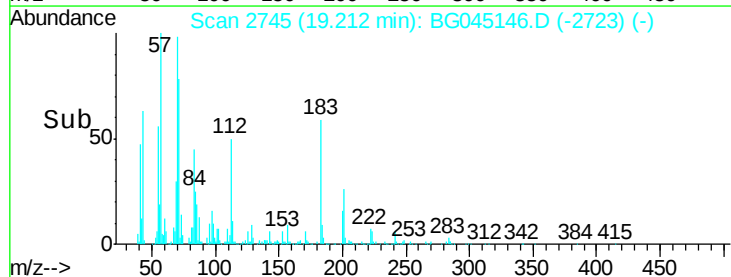
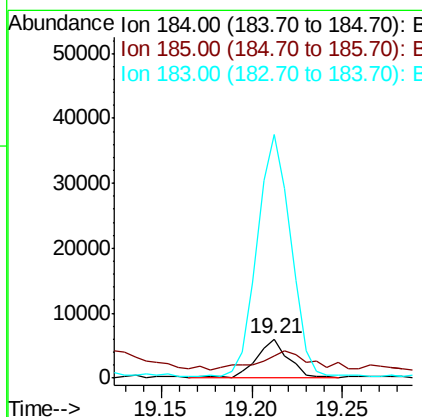
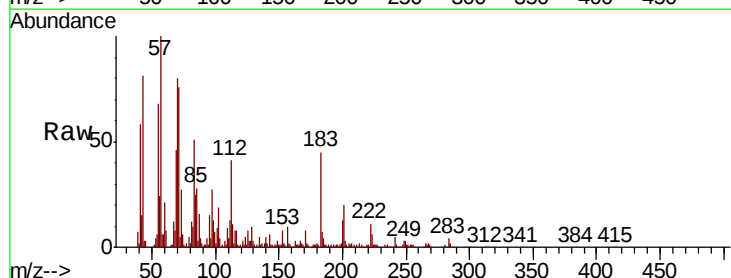
Instrument :
BNA_G
ClientSampleId :

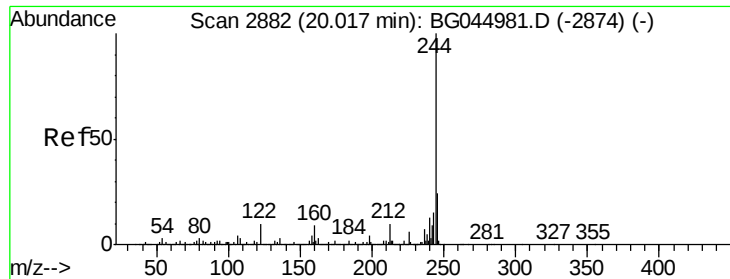
Tot Ion:240 Resp: 422664
Ion Ratio Lower Upper
240 100
120 8.1 6.6 10.0
236 26.1 22.2 33.2



#77
Benzidine
Concen: Below Cal
RT: 19.21 min Scan# 2745
Delta R.T. -0.40 min
Lab File: BG045146.D
Acq: 23 Apr 2020 17:50

Tgt Ion:184 Resp: 7549
Ion Ratio Lower Upper
184 100
185 55.8 12.6 19.0#
183 622.3 11.3 16.9#





#79

Terphenyl-d14

Concen: 97.496 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BG045146.D

Acq: 23 Apr 2020 17:50

Instrument :

BNA_G

ClientSampleId :

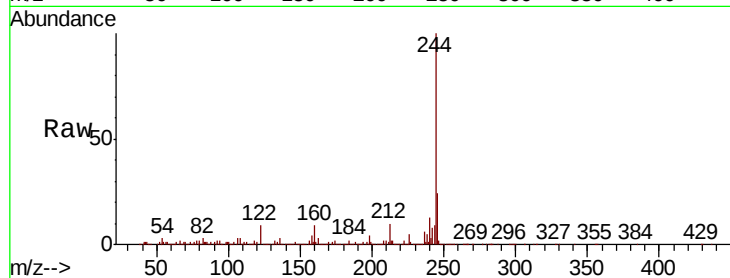
Tot Ion:244 Resp: 1890659

Ion Ratio Lower Upper

244 100

212 10.3 7.9 11.9

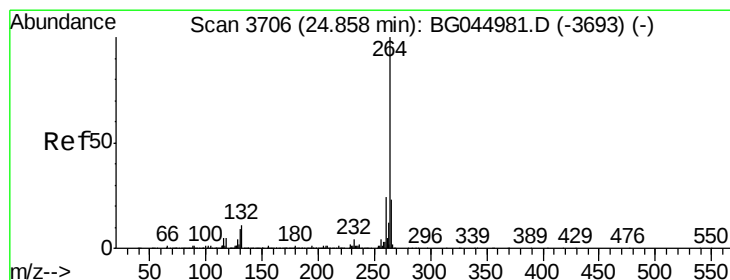
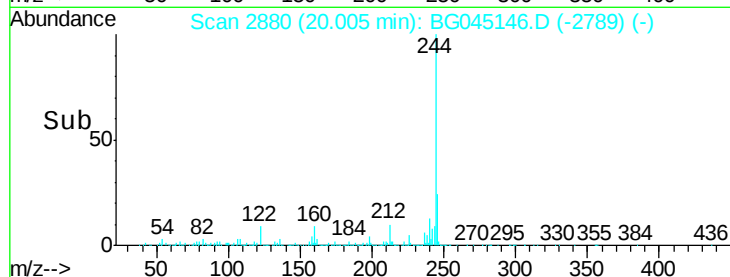
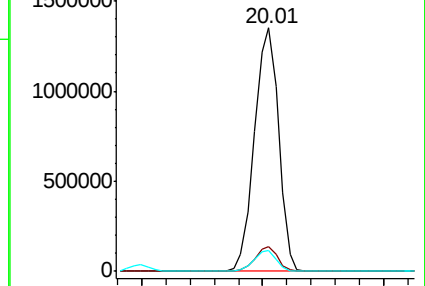
122 8.5 7.7 11.5



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

Perylene-d12

Concen: 20.000 ng

RT: 24.83 min Scan# 3702

Delta R.T. -0.00 min

Lab File: BG045146.D

Acq: 23 Apr 2020 17:50

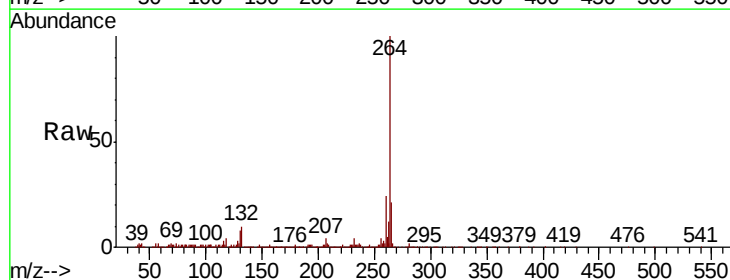
Tgt Ion:264 Resp: 480492

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.3 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

