

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG050720\
 Data File : BG045272.D
 Acq On : 7 May 2020 16:40
 Operator : CG/JU
 Sample : L2523-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HDD

Quant Time: May 07 17:18:54 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 12:51:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	67474	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	264027	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	194294	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	457794	20.00	ng	0.00
76) Chrysene-d12	21.63	240	441166	20.00	ng	0.00
87) Perylene-d12	24.81	264	469001	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	658903	161.22	ng	0.00
7) Phenol-d6	7.15	99	983803	162.02	ng	0.00
23) Nitrobenzene-d5	9.14	82	707128	122.20	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	565696	188.47	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1649326	124.47	ng	0.00
79) Terphenyl-d14	19.99	244	2692213	133.01	ng	0.00

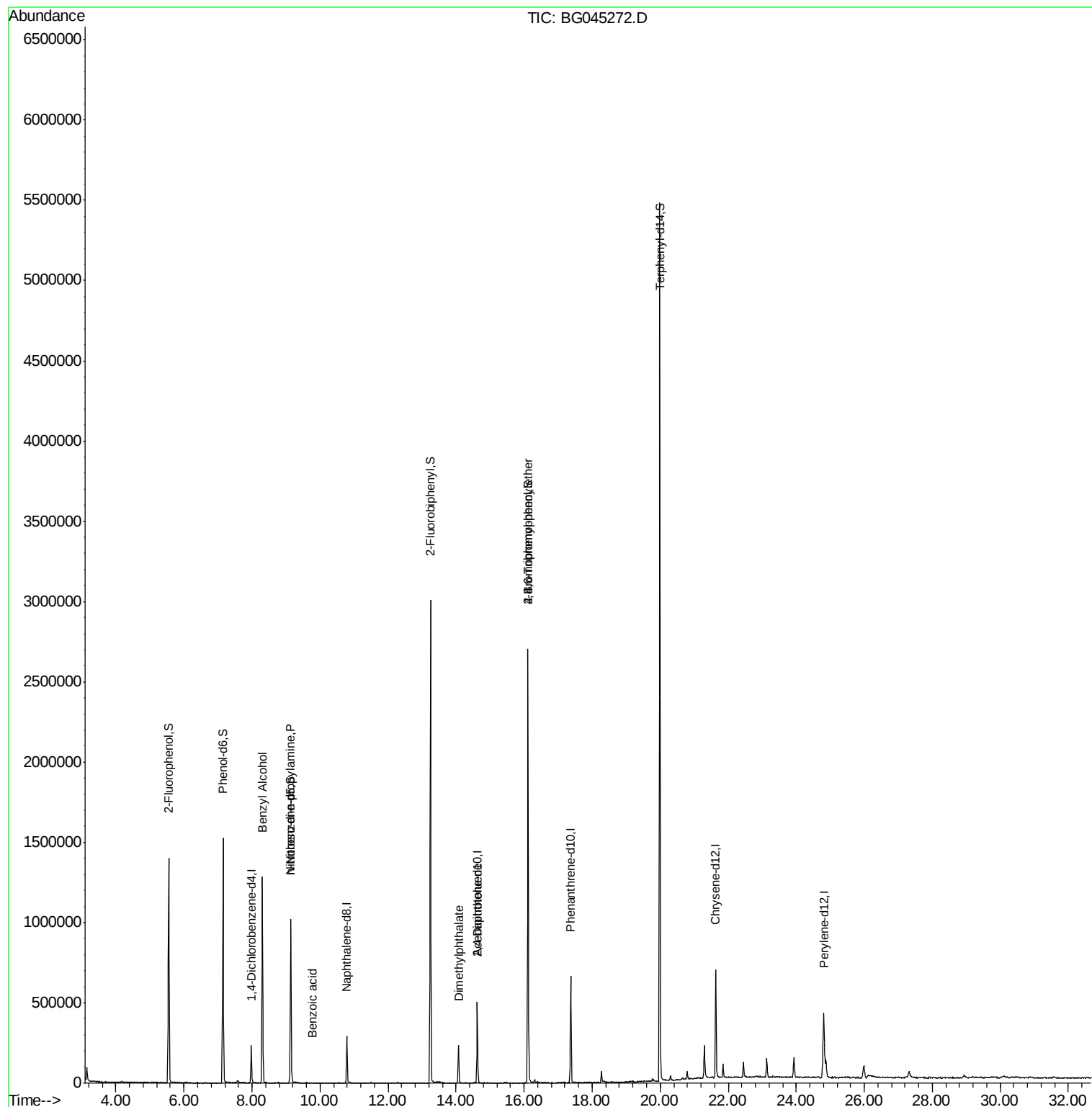
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.15	77	1929	Below Cal	#	4
15) Benzyl Alcohol	8.30	79	12161	2.389 ng	#	52
19) n-Nitroso-di-n-propylamine	9.14	70	94884	22.095 ng	#	81
32) Benzoic acid	9.77	122	56	6.389 ng	#	1
50) Dimethylphthalate	14.07	163	165002	10.430 ng		99
57) 2,4-Dinitrotoluene	14.62	165	26059	5.039 ng	#	22
67) 4-Bromophenyl-phenylether	16.12	248	38528	6.524 ng	#	1
69) Atrazine	16.51	200	65	Below Cal	#	35
74) Di-n-butylphthalate	18.34	149	3970	Below Cal	#	95
75) Fluoranthene	19.39	202	62	Below Cal		62
77) Benzydine	19.99	184	54796	Below Cal	#	91

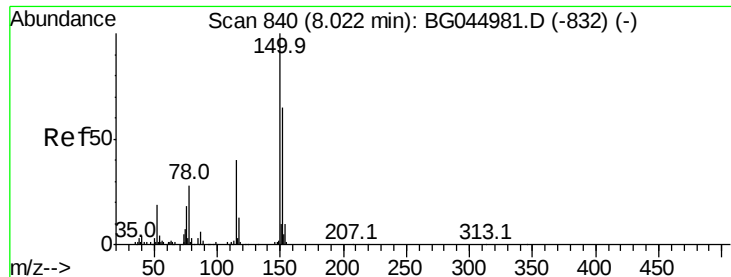
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.98 min Scan# 833

Delta R.T. -0.00 min

Lab File: BG045272.D

Acq: 7 May 2020 16:40

Instrument :

BNA_G

ClientSampleId :

HDD

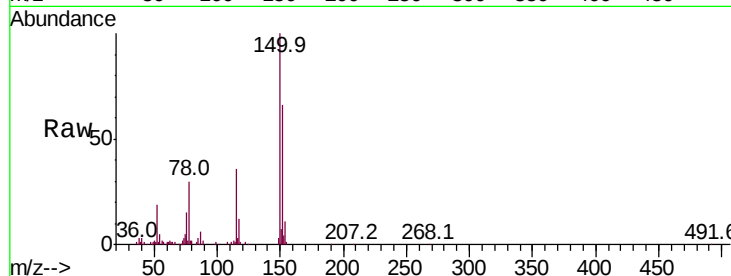
Tot Ion:152 Resp: 67474

Ion Ratio Lower Upper

152 100

150 152.6 123.6 185.4

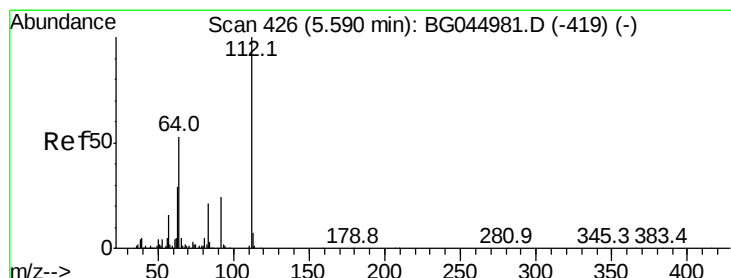
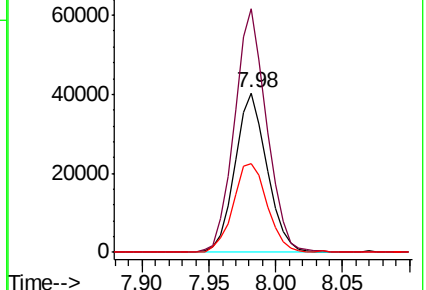
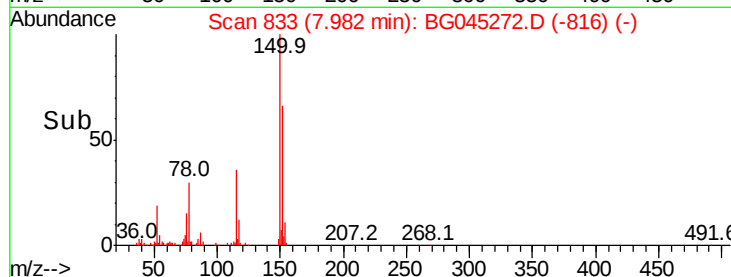
115 55.5 49.1 73.7



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



#5

2-Fluorophenol

Concen: 161.220 ng

RT: 5.55 min Scan# 419

Delta R.T. -0.00 min

Lab File: BG045272.D

Acq: 7 May 2020 16:40

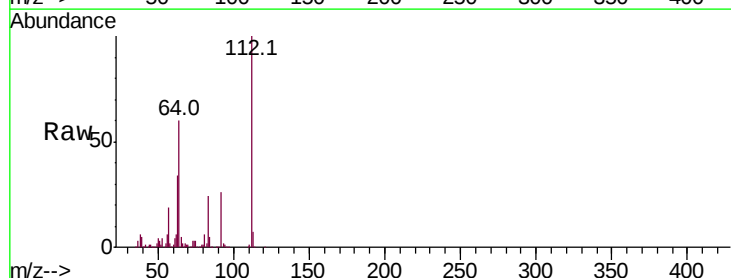
Tgt Ion:112 Resp: 658903

Ion Ratio Lower Upper

112 100

64 60.4 42.4 63.6

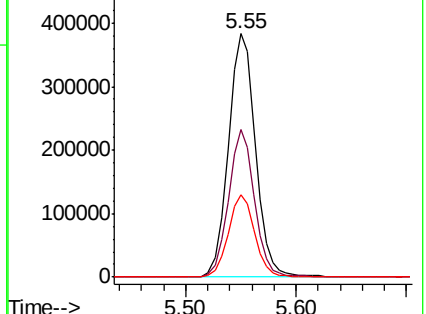
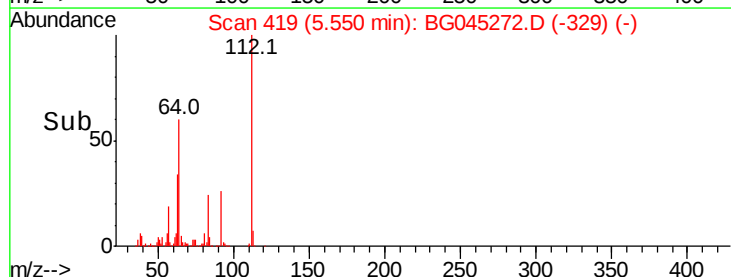
63 33.9 23.1 34.7

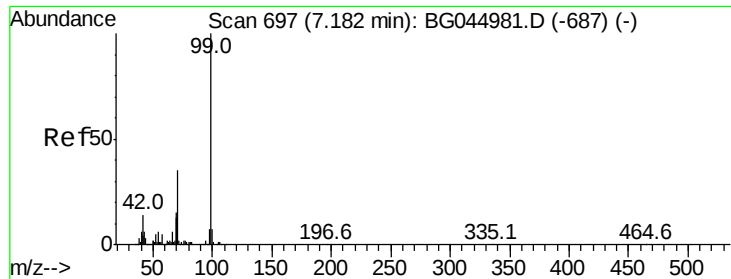


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 162.016 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.00 min

Lab File: BG045272.D

Acq: 7 May 2020 16:40

Instrument :

BNA_G

ClientSampleId :

HDD

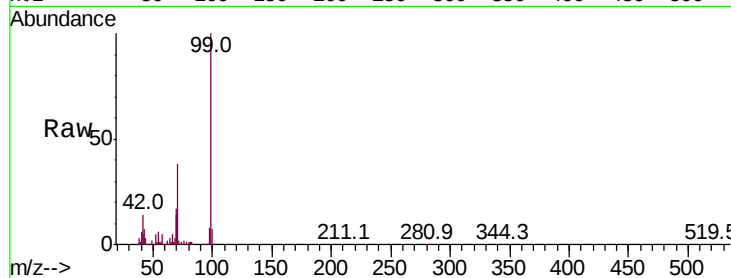
Tot Ion: 99 Resp: 983803

Ion Ratio Lower Upper

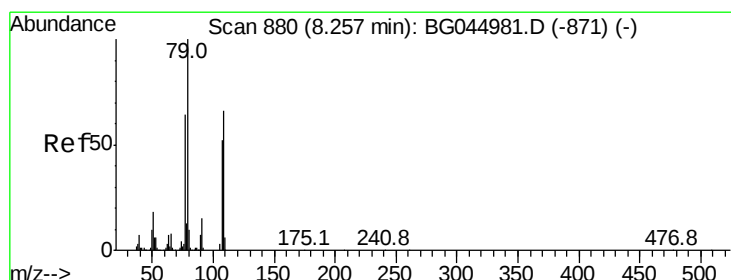
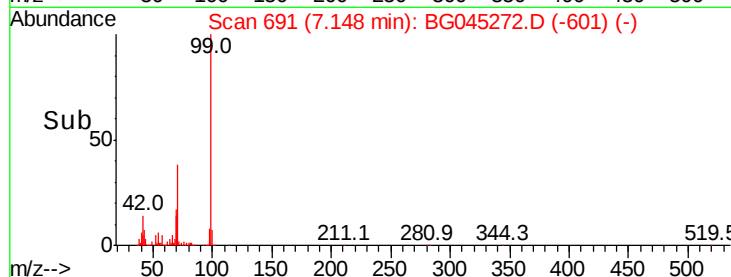
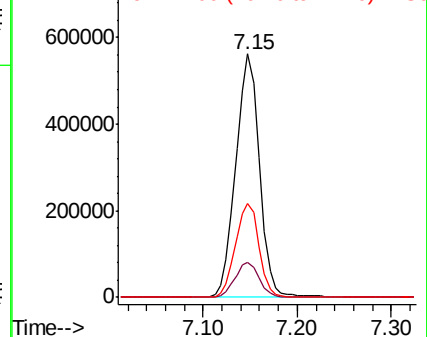
99 100

42 14.5 11.3 16.9

71 38.5 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: 2.389 ng

RT: 8.30 min Scan# 888

Delta R.T. 0.09 min

Lab File: BG045272.D

Acq: 7 May 2020 16:40

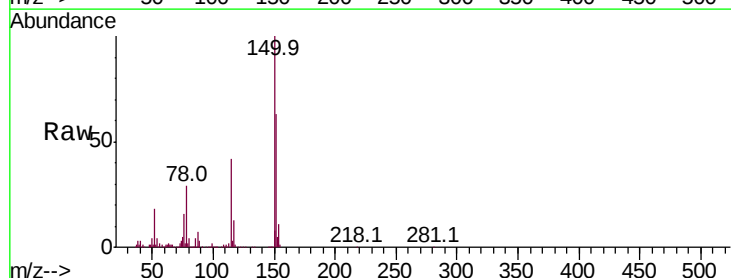
Tgt Ion: 79 Resp: 12161

Ion Ratio Lower Upper

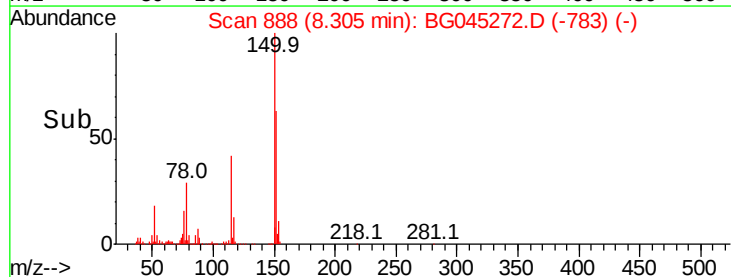
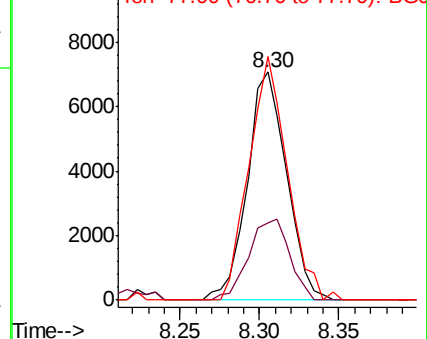
79 100

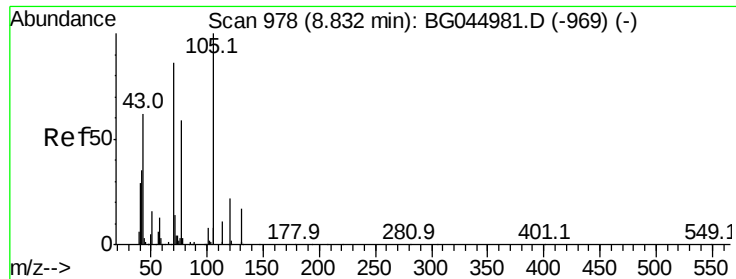
108 33.7 52.7 79.1#

77 106.9 51.3 76.9#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

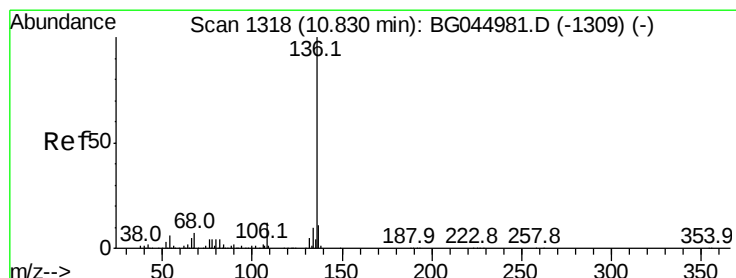
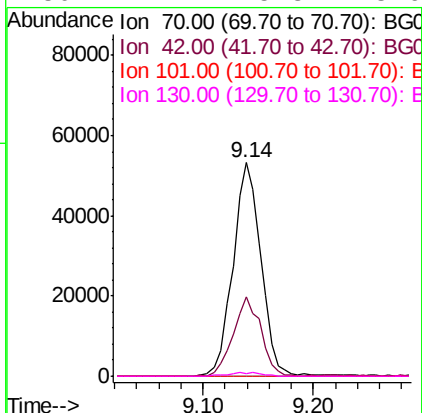
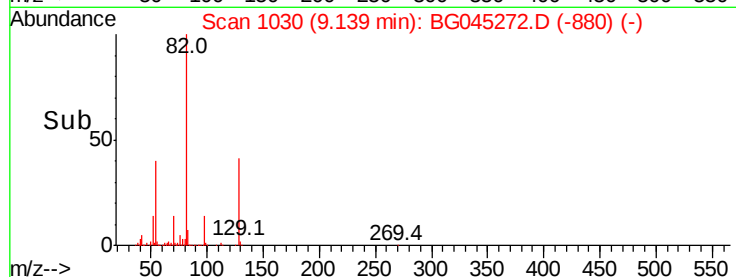
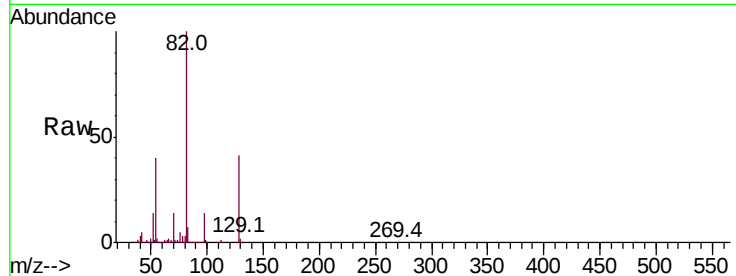




#19
n-Nitroso-di-n-propylamine
Concen: 22.095 ng
RT: 9.14 min Scan# 1030
Delta R.T. 0.35 min
Lab File: BG045272.D
Acq: 7 May 2020 16:40

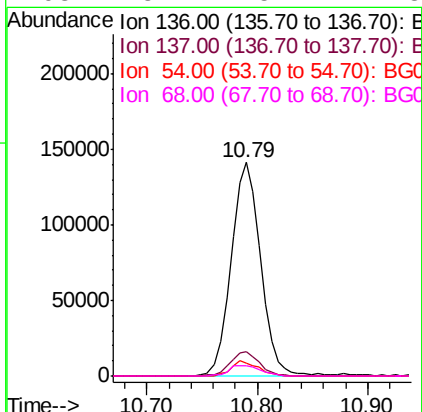
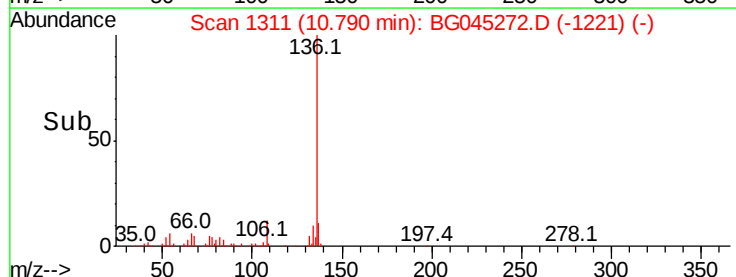
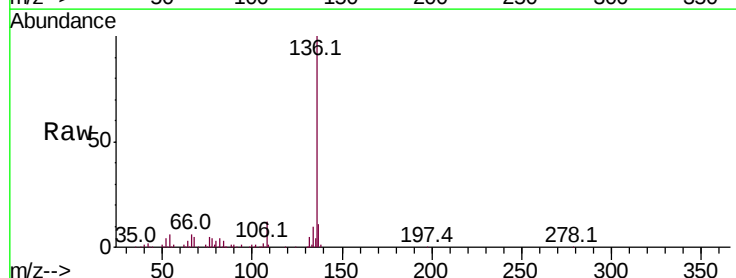
Instrument :
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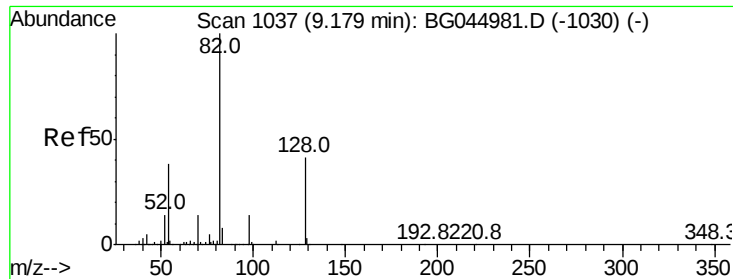
Tot Ion: 70 Resp: 94884
Ion Ratio Lower Upper
70 100
42 37.3 33.3 49.9
101 0.0 7.8 11.8#
130 1.4 15.8 23.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.79 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BG045272.D
Acq: 7 May 2020 16:40

Tgt Ion: 136 Resp: 264027
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 5.9 4.8 7.2
68 5.1 5.2 7.8#

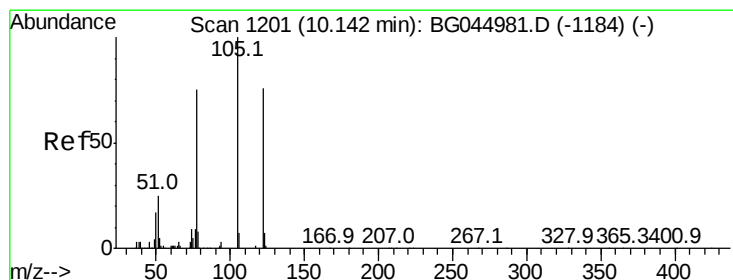
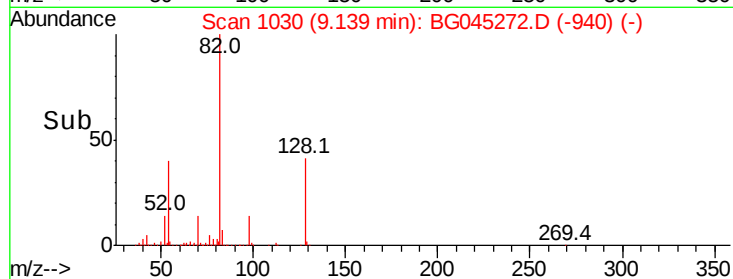
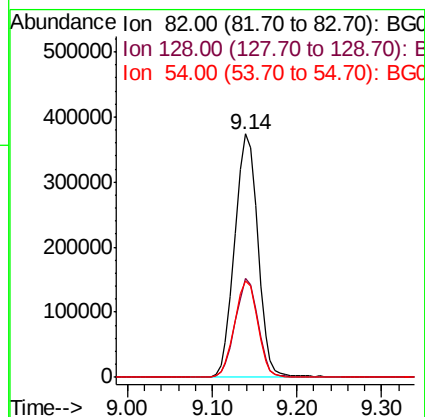
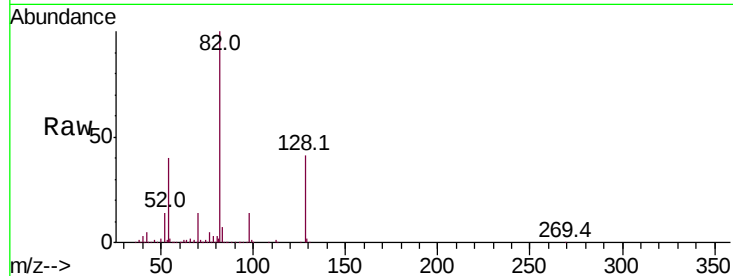




#23
Nitrobenzene-d5
Concen: 122.205 ng
RT: 9.14 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BG045272.D
Acq: 7 May 2020 16:40

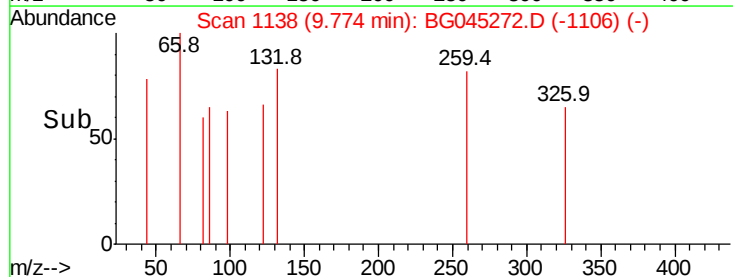
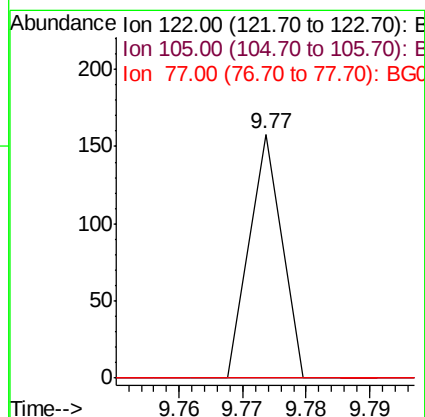
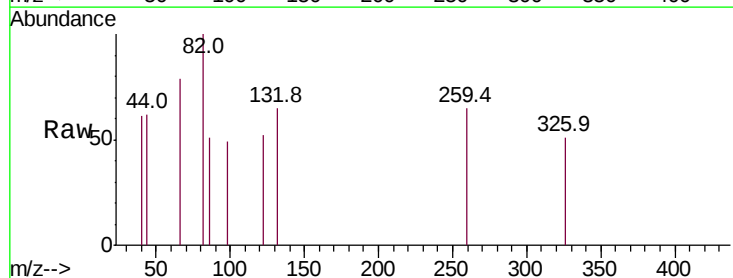
Instrument :
BNA_G
ClientSampleId :
HDD

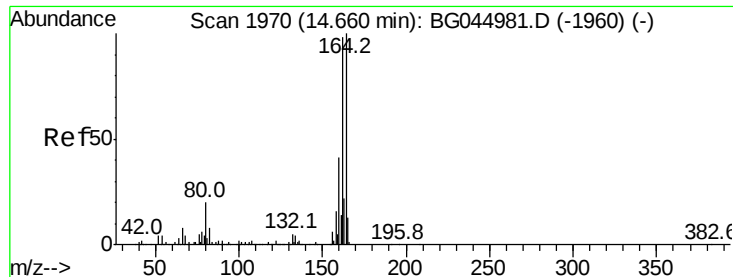
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.5	33.0	49.4
54	39.5	30.4	45.6



#32
Benzoic acid
Concen: 6.389 ng
RT: 9.77 min Scan# 1138
Delta R.T. -0.34 min
Lab File: BG045272.D
Acq: 7 May 2020 16:40

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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG045272.D

Acq: 7 May 2020 16:40

Instrument :

BNA_G

ClientSampleId :

HDD

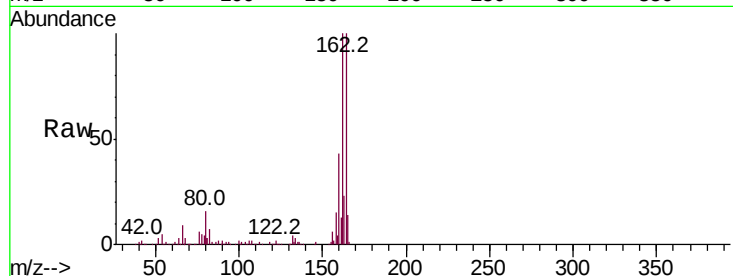
Tot Ion:164 Resp: 194294

Ion	Ratio	Lower	Upper
164	100		
162	99.7	78.7	118.1
160	42.5	32.8	49.2

164 100

162 99.7 78.7 118.1

160 42.5 32.8 49.2

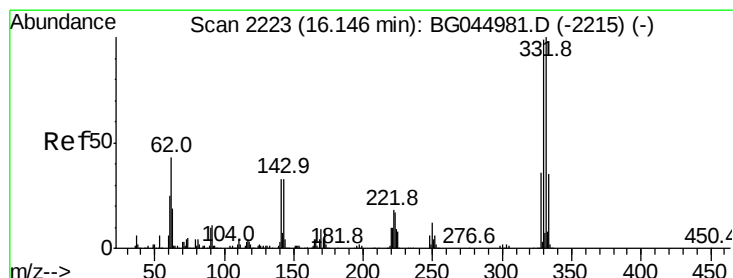
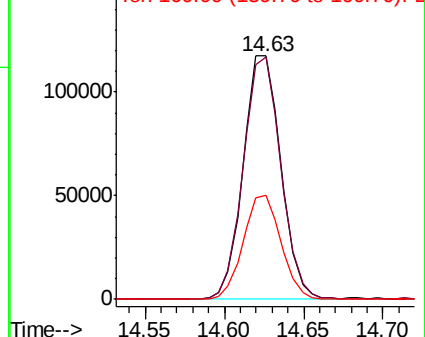
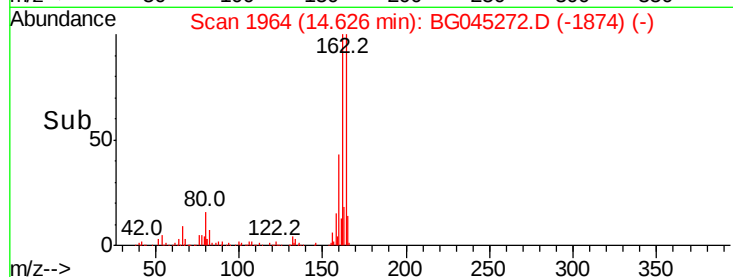


Abundance

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: 188.466 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.00 min

Lab File: BG045272.D

Acq: 7 May 2020 16:40

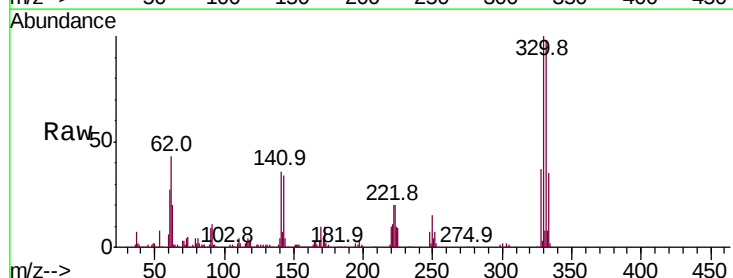
Tgt Ion:330 Resp: 565696

Ion	Ratio	Lower	Upper
330	100		
332	96.8	79.1	118.7
141	35.6	27.1	40.7

330 100

332 96.8 79.1 118.7

141 35.6 27.1 40.7

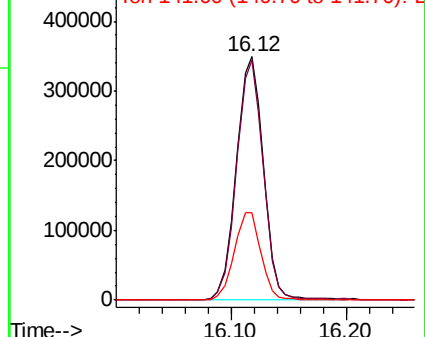
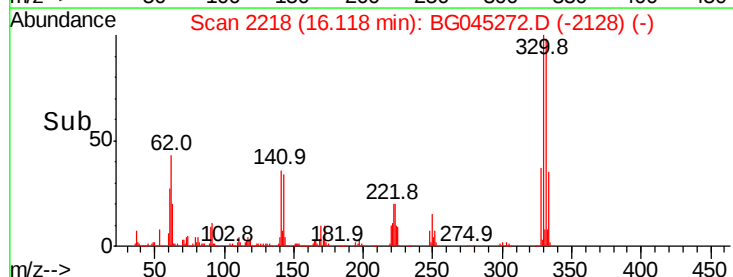


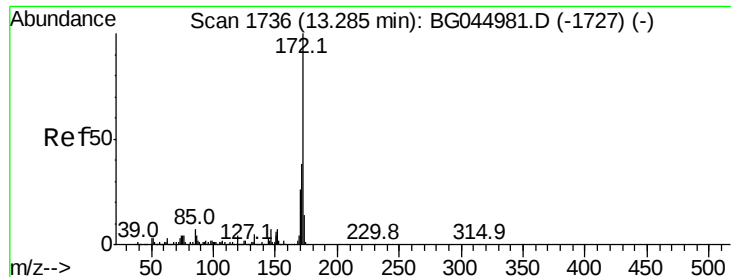
Abundance

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



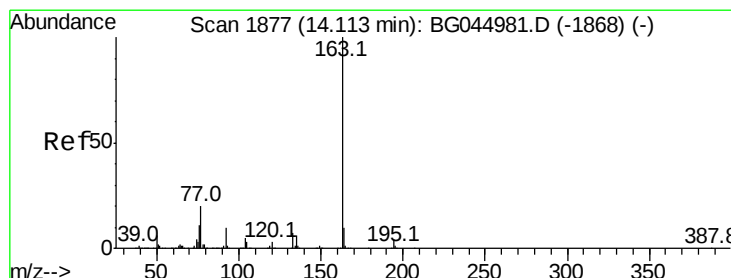
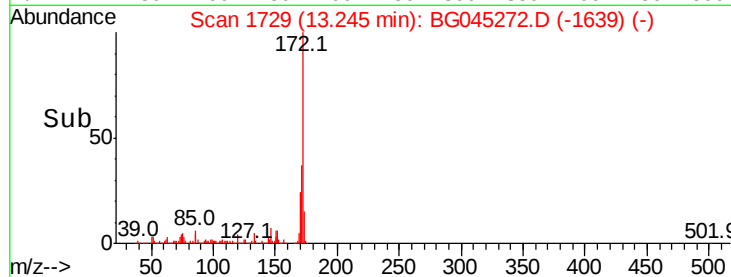
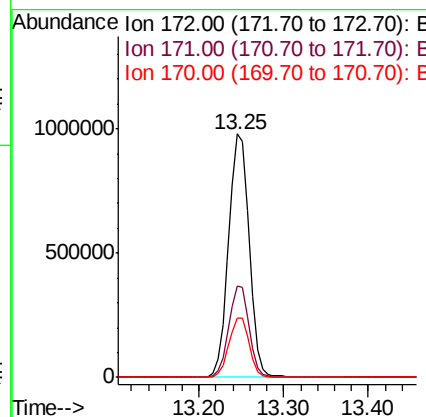
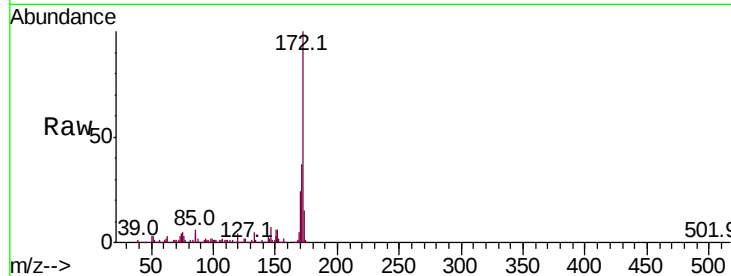


#45
 2-Fluorobiphenyl
 Concen: 124.473 ng
 RT: 13.25 min Scan# 1729
 Delta R.T. -0.00 min
 Lab File: BG045272.D
 Acq: 7 May 2020 16:40

Instrument :
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Tot Ion:172 Resp: 1649326

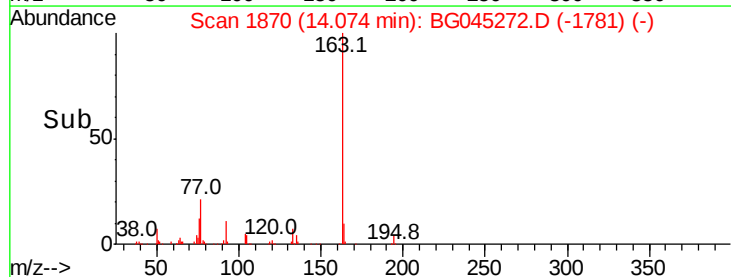
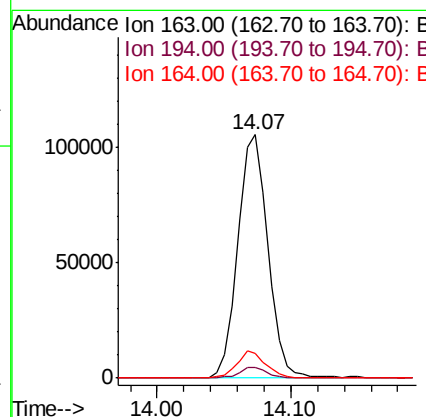
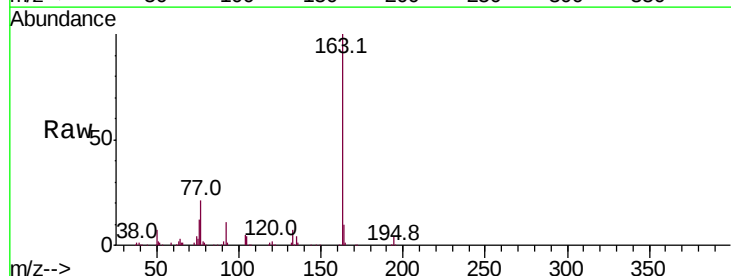
Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.6	46.0
170	24.2	20.5	30.7

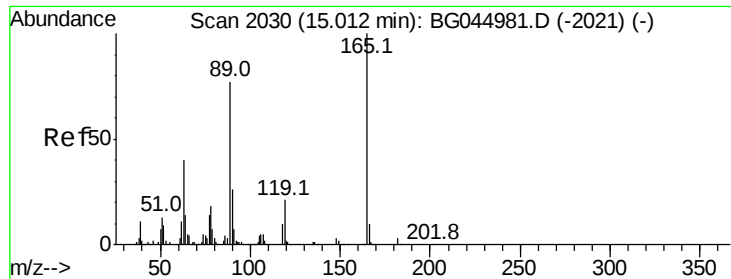


#50
 Dimethylphthalate
 Concen: 10.430 ng
 RT: 14.07 min Scan# 1870
 Delta R.T. -0.01 min
 Lab File: BG045272.D
 Acq: 7 May 2020 16:40

Tgt Ion:163 Resp: 165002

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.1	8.2	12.4

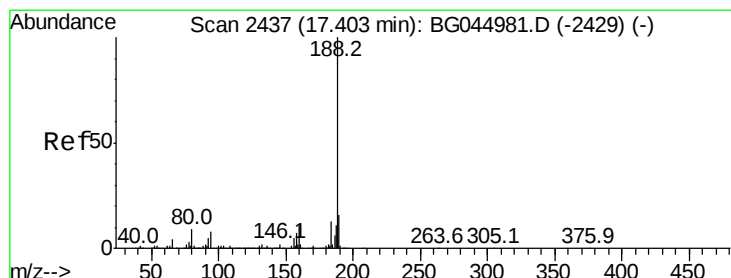
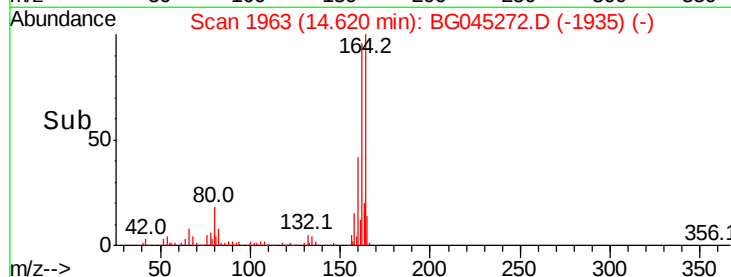
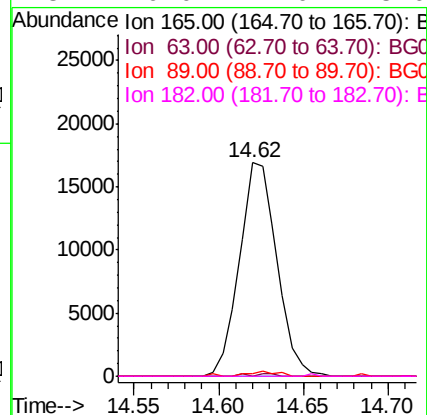
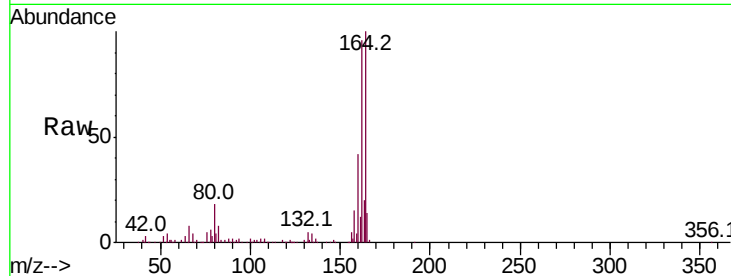




#57
 2,4-Dinitrotoluene
 Concen: 5.039 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.37 min
 Lab File: BG045272.D
 Acq: 7 May 2020 16:40

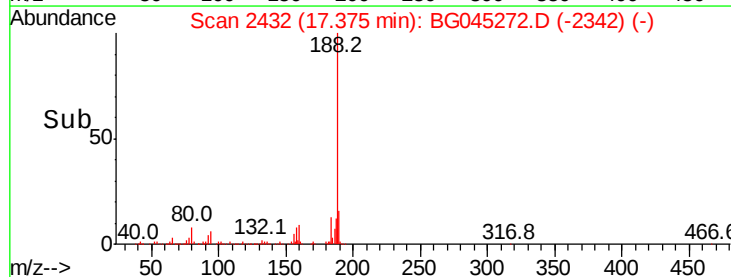
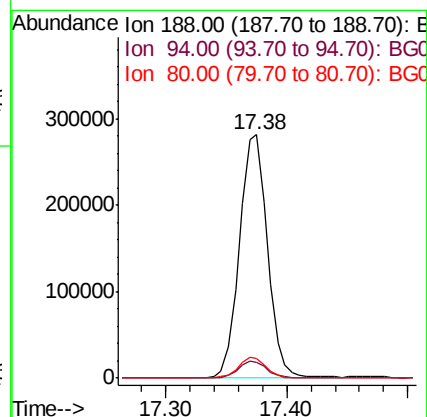
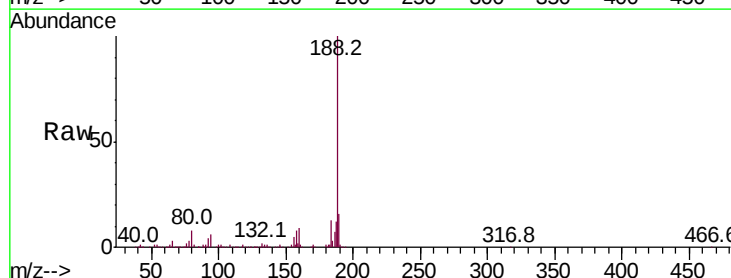
Instrument :
 BNA_G
 ClientSampleId :
 HDD

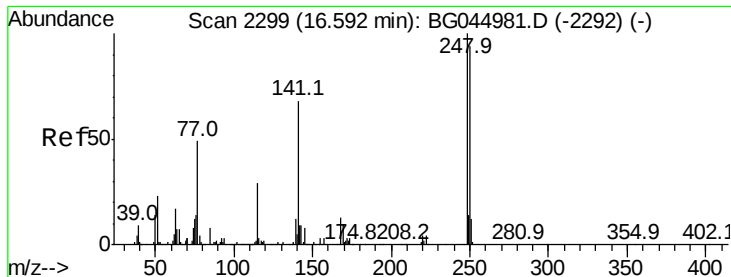
Tot Ion:165 Resp: 26059
 Ion Ratio Lower Upper
 165 100
 63 0.0 32.2 48.2#
 89 1.3 61.7 92.5#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2432
 Delta R.T. -0.00 min
 Lab File: BG045272.D
 Acq: 7 May 2020 16:40

Tgt Ion:188 Resp: 457794
 Ion Ratio Lower Upper
 188 100
 94 6.5 6.2 9.4
 80 8.0 7.0 10.6

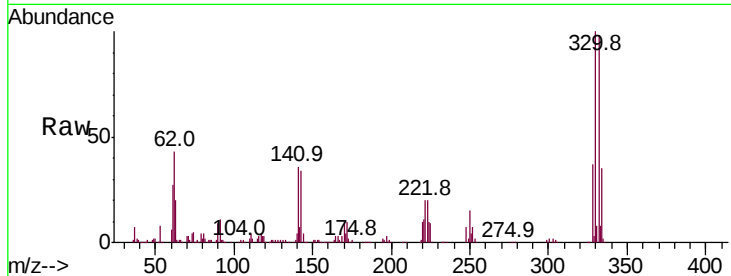




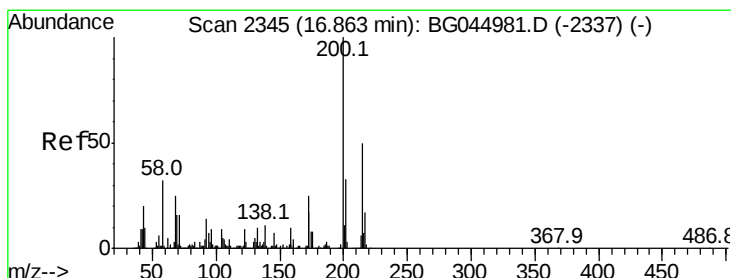
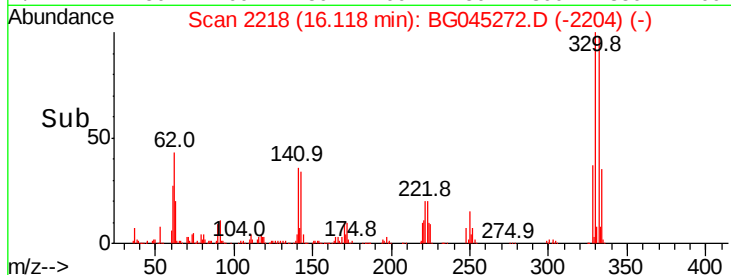
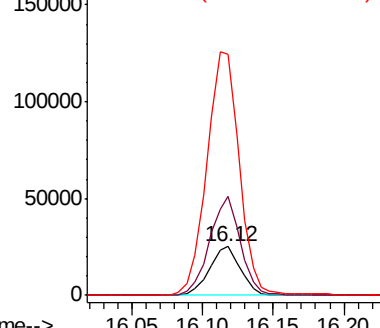
#67
4-Bromophenyl-phenylether
Concen: 6.524 ng
RT: 16.12 min Scan# 2218
Delta R.T. -0.45 min
Lab File: BG045272.D
Acq: 7 May 2020 16:40

Instrument :
BNA_G
ClientSampleId :
HDD

Tot Ion:248 Resp: 38528
Ion Ratio Lower Upper
248 100
250 202.5 75.4 113.2#
141 494.1 54.4 81.6#

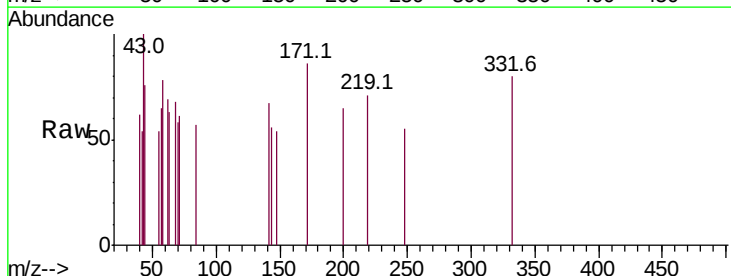


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

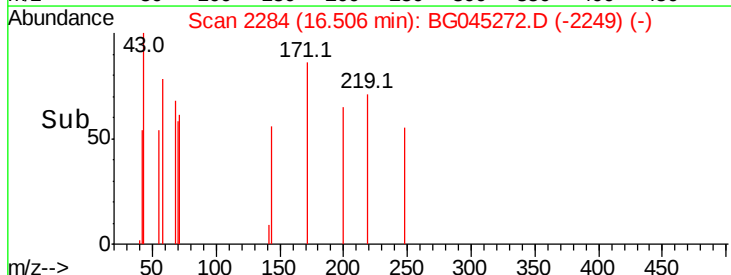
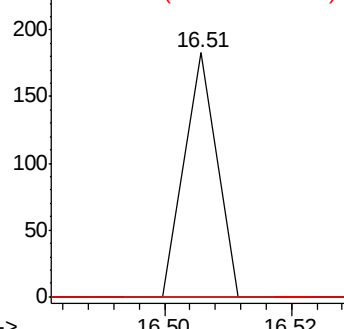


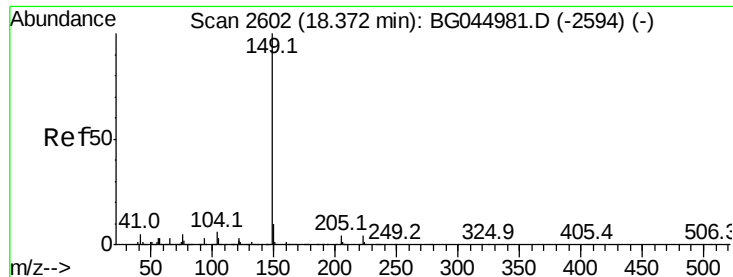
#69
Atrazine
Concen: Below Cal
RT: 16.51 min Scan# 2284
Delta R.T. -0.32 min
Lab File: BG045272.D
Acq: 7 May 2020 16:40

Tgt Ion:200 Resp: 65
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: 18.34 min Scan# 2596

Delta R.T. -0.00 min

Lab File: BG045272.D

Acq: 7 May 2020 16:40

Instrument :

BNA_G

ClientSampleId :

HDD

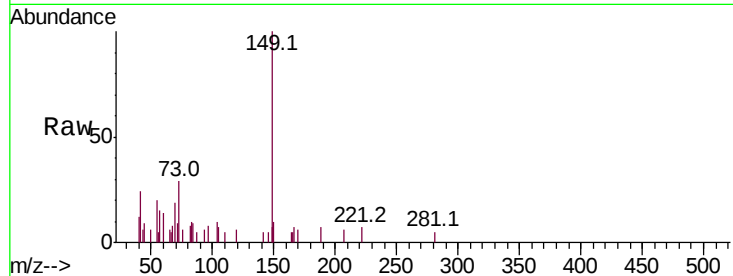
Tot Ion:149 Resp: 3970

Ion Ratio Lower Upper

149 100

150 10.3 8.2 12.2

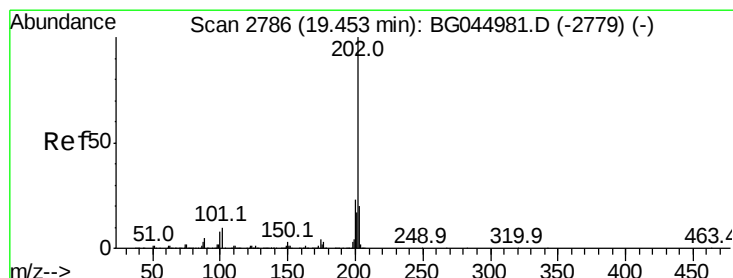
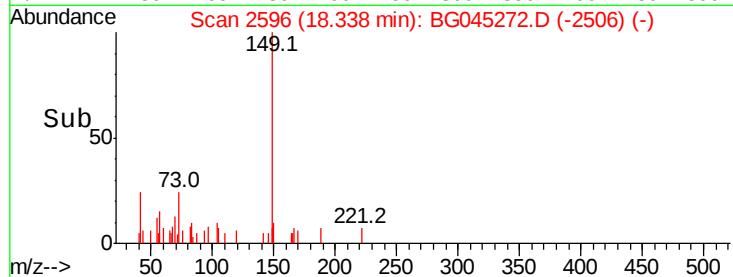
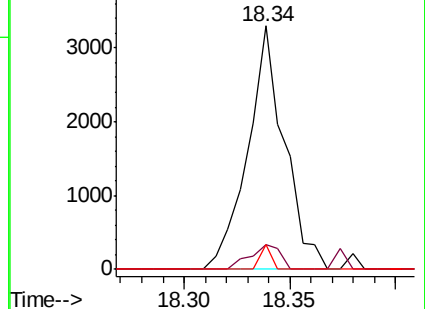
104 10.2 4.8 7.2#



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: 19.39 min Scan# 2775

Delta R.T. -0.04 min

Lab File: BG045272.D

Acq: 7 May 2020 16:40

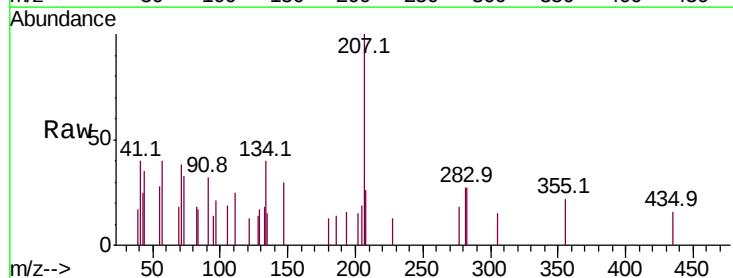
Tgt Ion:202 Resp: 62

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

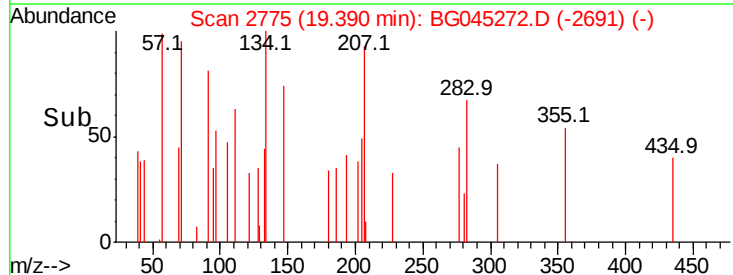
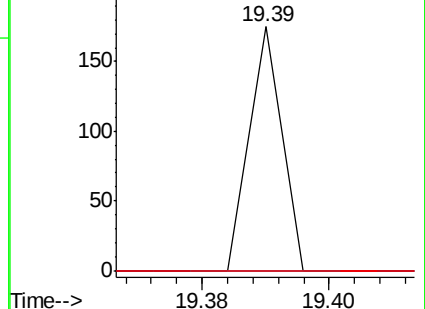
203 0.0 0.0 39.7

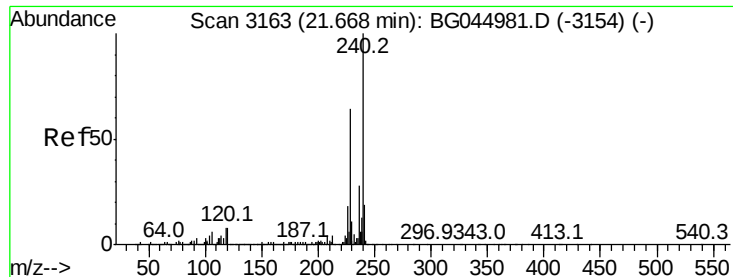


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

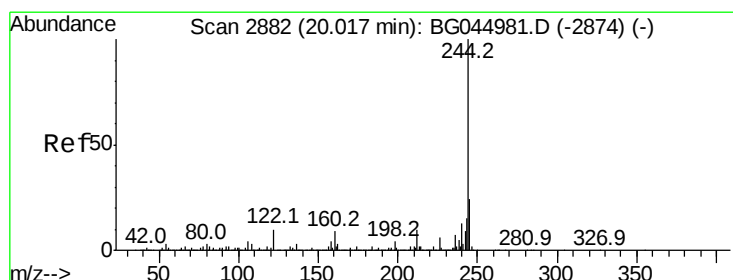
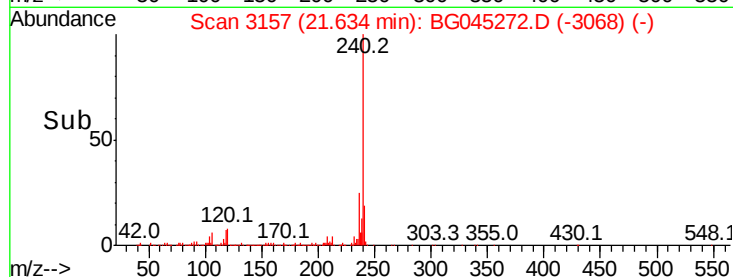
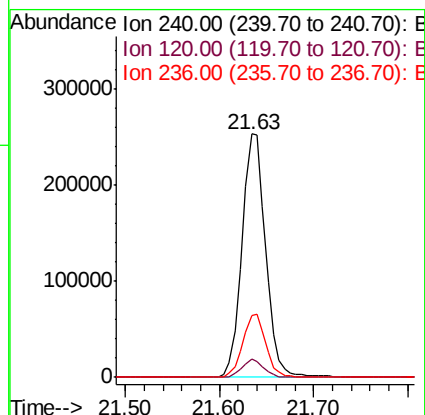
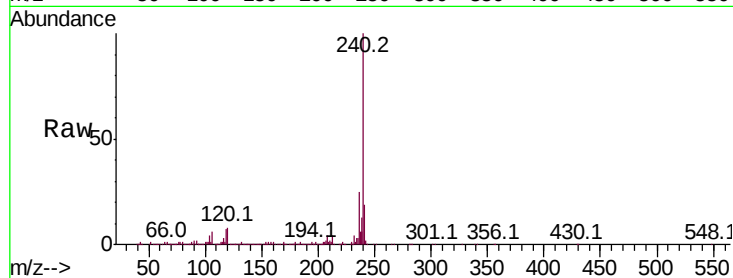




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.63 min Scan# 3157
 Delta R.T. -0.01 min
 Lab File: BG045272.D
 Acq: 7 May 2020 16:40

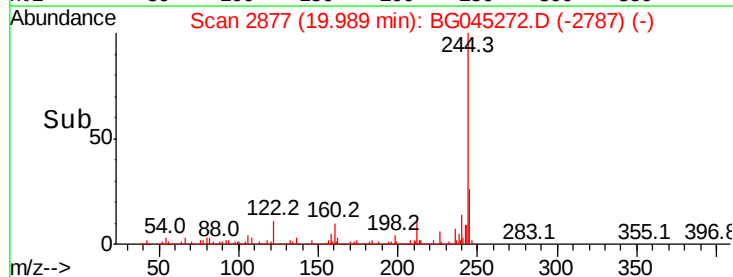
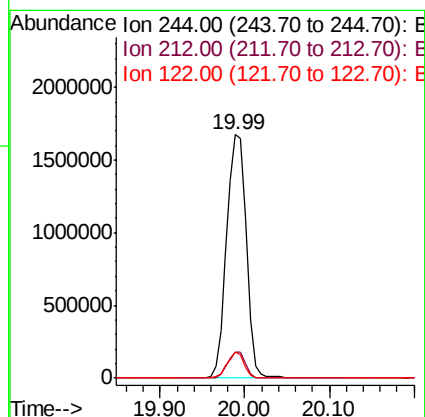
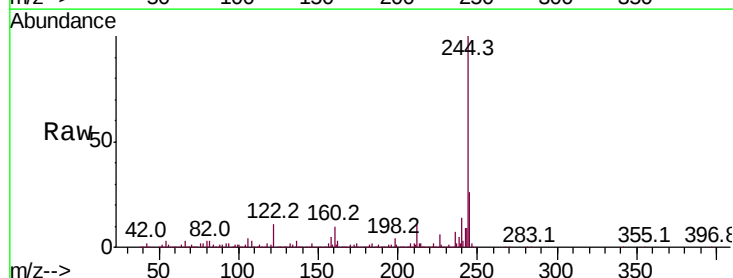
Instrument :
 BNA_G
 ClientSampleId :
 HDD

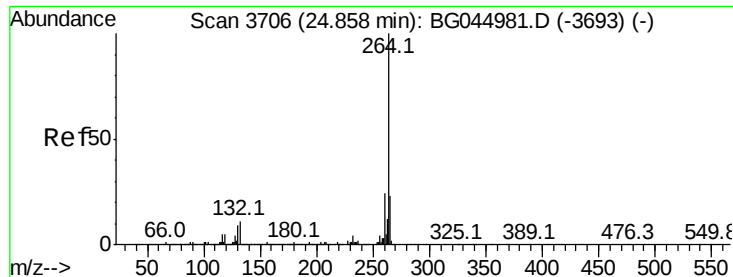
Tot Ion:240 Resp: 441166
 Ion Ratio Lower Upper
 240 100
 120 7.6 6.6 10.0
 236 25.4 22.2 33.2



#79
 Terphenyl-d14
 Concen: 133.008 ng
 RT: 19.99 min Scan# 2877
 Delta R.T. -0.00 min
 Lab File: BG045272.D
 Acq: 7 May 2020 16:40

Tgt Ion:244 Resp: 2692213
 Ion Ratio Lower Upper
 244 100
 212 10.8 7.9 11.9
 122 10.6 7.7 11.5





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.81 min Scan# 3697
Delta R.T. -0.01 min
Lab File: BG045272.D
Acq: 7 May 2020 16:40

Instrument :
BNA_G
ClientSampleId :
HDD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.5	19.0	28.4

