

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100721\
 Data File : BG050483.D
 Acq On : 7 Oct 2021 14:43
 Operator : CG/JU
 Sample : M4077-14
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CC-38

Quant Time: Oct 07 17:31:10 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 06 15:51:01 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

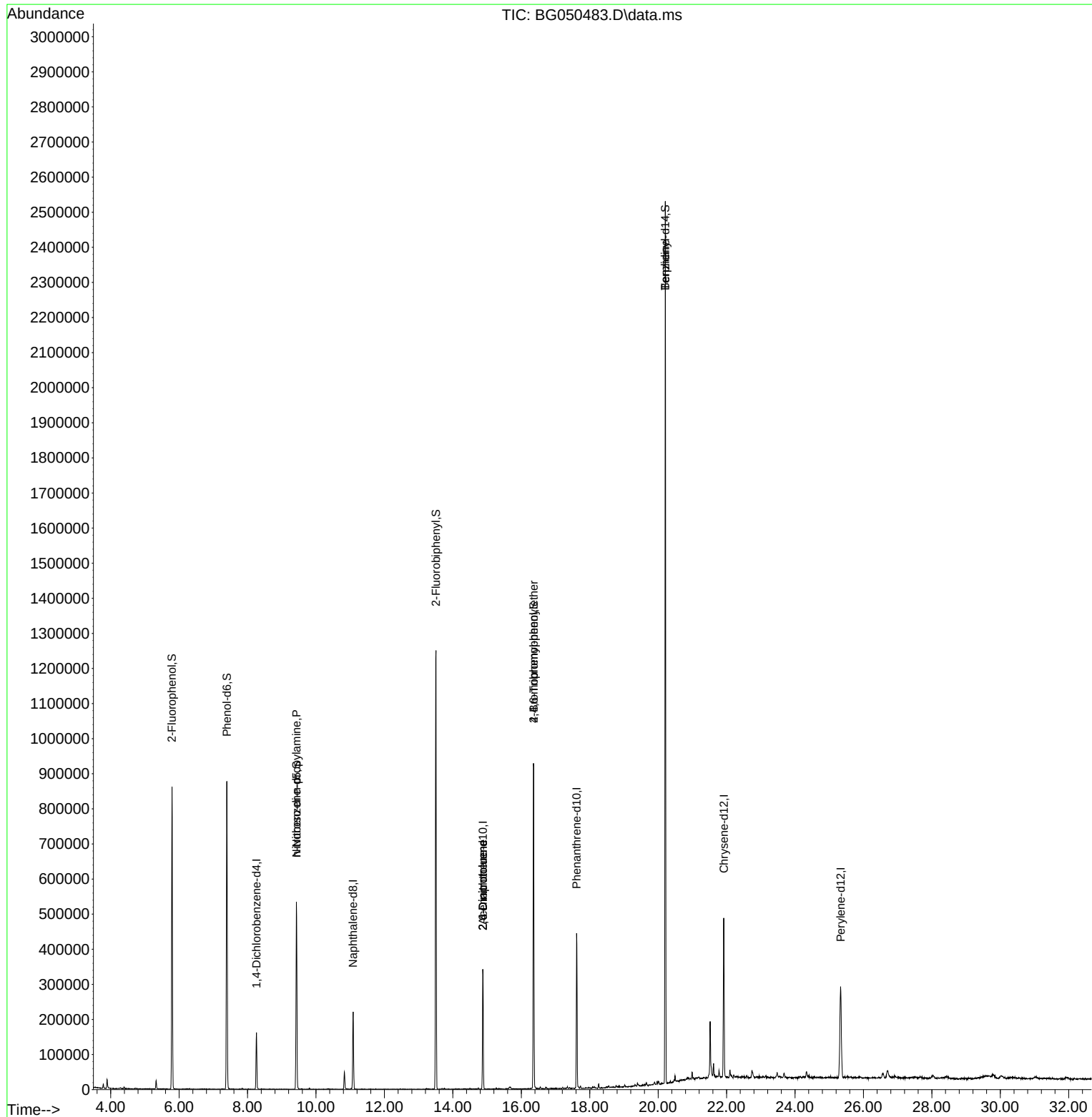
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.259	152	41149	20.000	ng	0.00
21) Naphthalene-d8	11.085	136	176675	20.000	ng	# 0.00
39) Acenaphthene-d10	14.875	164	116724	20.000	ng	0.00
64) Phenanthrene-d10	17.619	188	270752	20.000	ng	# 0.00
76) Chrysene-d12	21.919	240	268645	20.000	ng	# 0.00
86) Perylene-d12	25.333	264	266372	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.791	112	345055	125.408	ng	0.00
7) Phenol-d6	7.395	99	477578	119.885	ng	0.00
23) Nitrobenzene-d5	9.428	82	341508	80.017	ng	0.00
42) 2,4,6-Tribromophenol	16.361	330	133629	120.025	ng	0.00
45) 2-Fluorobiphenyl	13.506	172	621860	80.182	ng	0.00
79) Terphenyl-d14	20.210	244	1081487	78.454	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.395	77	1187	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.428	70	48560	16.724	ng	# 71
51) 2,6-Dinitrotoluene	14.881	165	15622	8.840	ng	# 12
57) 2,4-Dinitrotoluene	14.881	165	15622	6.272	ng	# 18
67) 4-Bromophenyl-phenylether	16.361	248	11307	4.144	ng	# 1
77) Benzidine	20.210	184	21871	2.512	ng	# 94

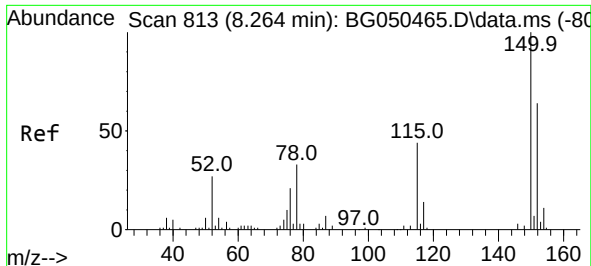
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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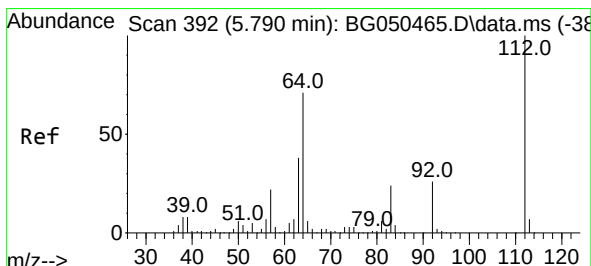
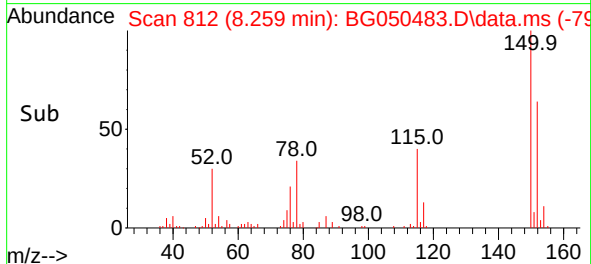
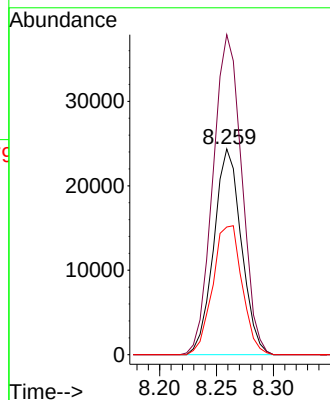
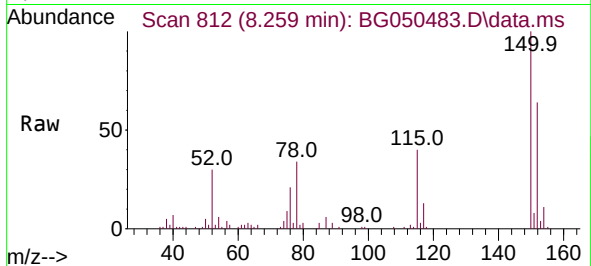




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.259 min Scan# 812
Delta R.T. -0.005 min
Lab File: BG050483.D
Acq: 7 Oct 2021 14:43

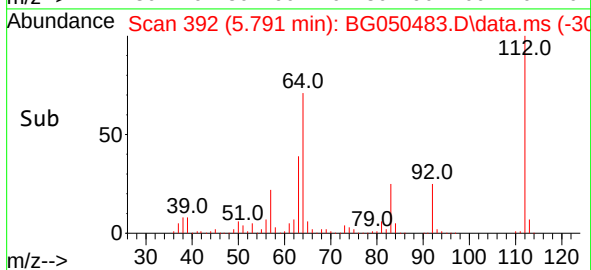
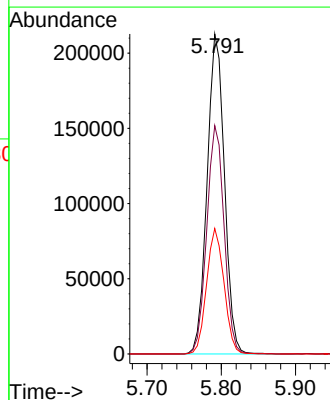
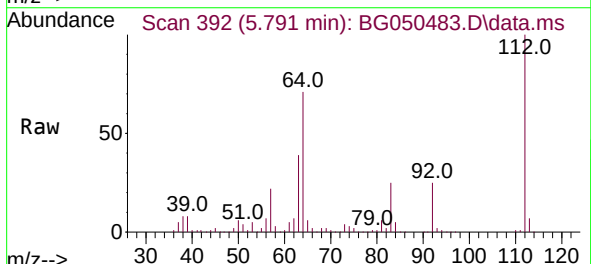
Instrument :
BNA_G
ClientSampleId :
CC-38

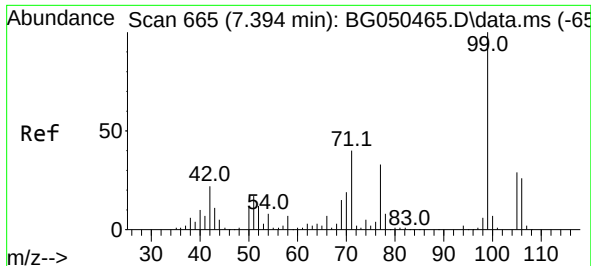
Tgt Ion:152 Resp: 41149
Ion Ratio Lower Upper
152 100
150 155.6 119.4 179.0
115 62.1 60.2 90.4



#5
2-Fluorophenol
Concen: 125.408 ng
RT: 5.791 min Scan# 392
Delta R.T. 0.001 min
Lab File: BG050483.D
Acq: 7 Oct 2021 14:43

Tgt Ion:112 Resp: 345055
Ion Ratio Lower Upper
112 100
64 71.4 46.7 70.1#
63 39.2 35.3 52.9

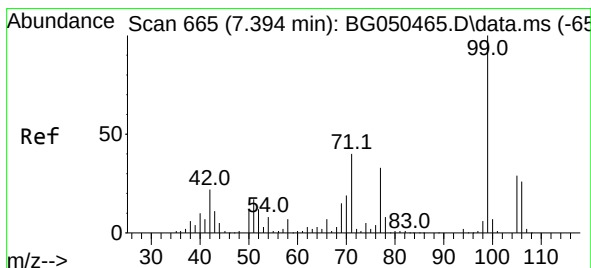
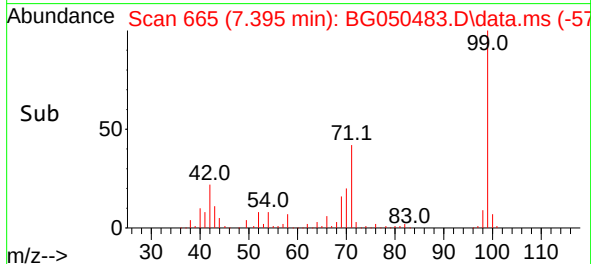
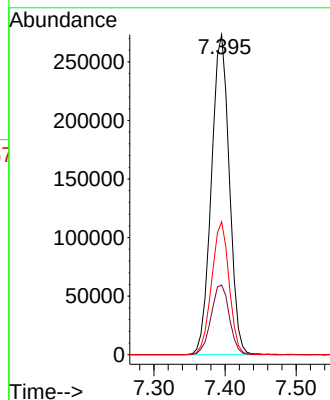
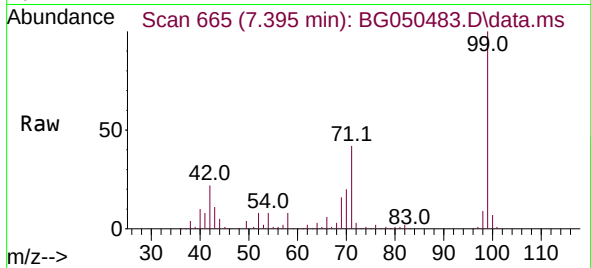




#7
Phenol-d6
Concen: 119.885 ng
RT: 7.395 min Scan# 665
Delta R.T. 0.001 min
Lab File: BG050483.D
Acq: 7 Oct 2021 14:43

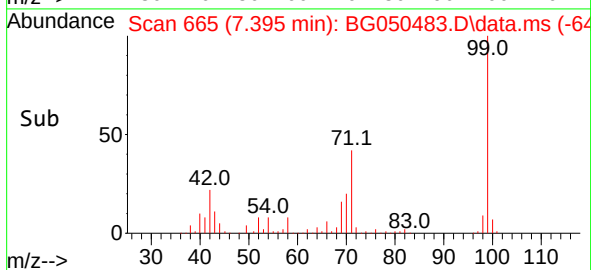
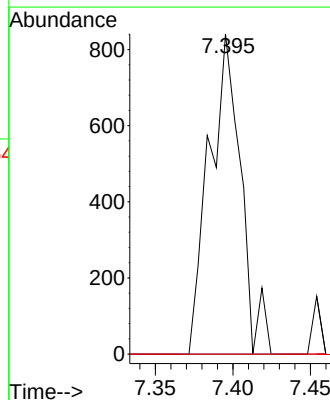
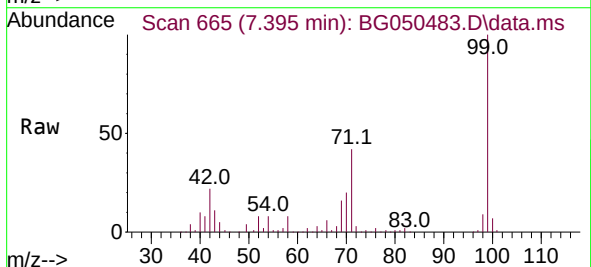
Instrument :
BNA_G
ClientSampled :
CC-38

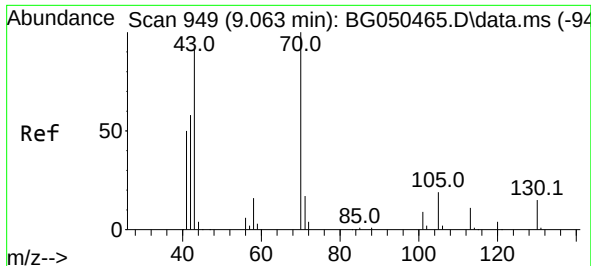
Tgt Ion: 99 Resp: 477578
Ion Ratio Lower Upper
99 100
42 21.7 20.5 30.7
71 41.6 41.5 62.3



#9
Benzaldehyde
Concen: Below Cal
RT: 7.395 min Scan# 665
Delta R.T. 0.001 min
Lab File: BG050483.D
Acq: 7 Oct 2021 14:43

Tgt Ion: 77 Resp: 1187
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#

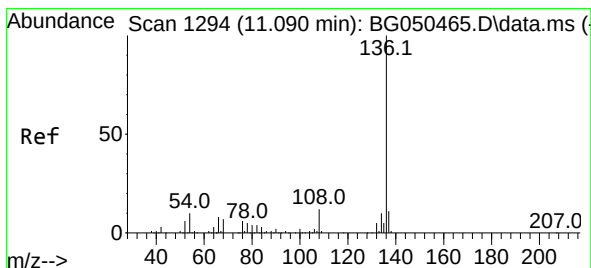
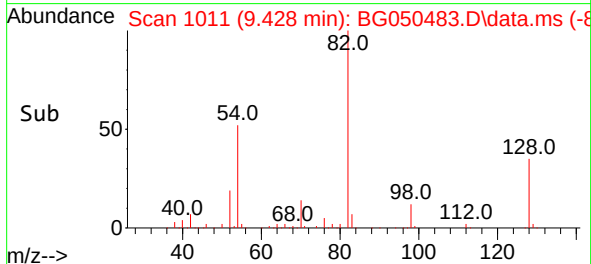
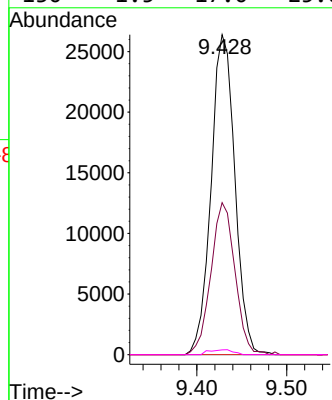
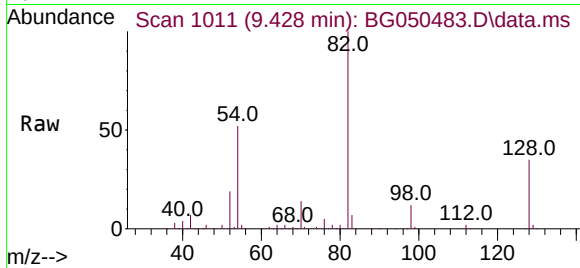




#19
n-Nitroso-di-n-propylamine
Concen: 16.724 ng
RT: 9.428 min Scan# 1011
Delta R.T. 0.365 min
Lab File: BG050483.D
Acq: 7 Oct 2021 14:43

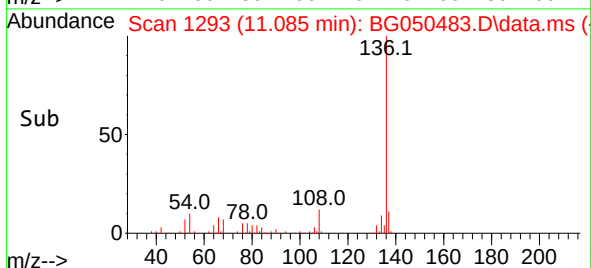
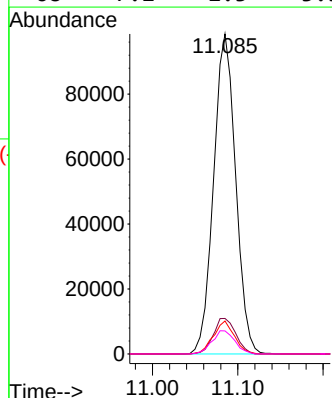
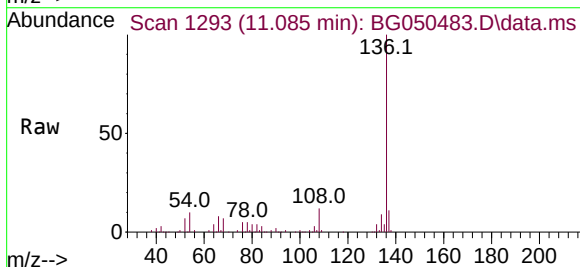
Instrument :
BNA_G
ClientSampled :
CC-38

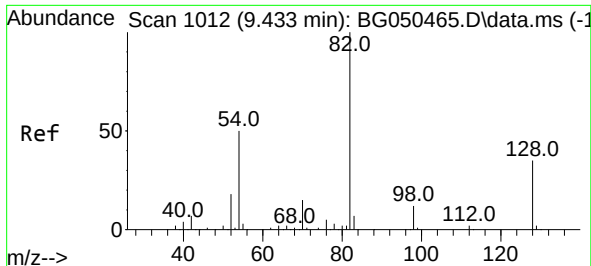
Tgt Ion: 70 Resp: 48560
Ion Ratio Lower Upper
70 100
42 47.5 54.5 81.7#
101 0.0 9.0 13.6#
130 1.5 17.0 25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.085 min Scan# 1293
Delta R.T. -0.005 min
Lab File: BG050483.D
Acq: 7 Oct 2021 14:43

Tgt Ion:136 Resp: 176675
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.2
54 10.3 5.5 8.3#
68 7.2 2.3 3.5#

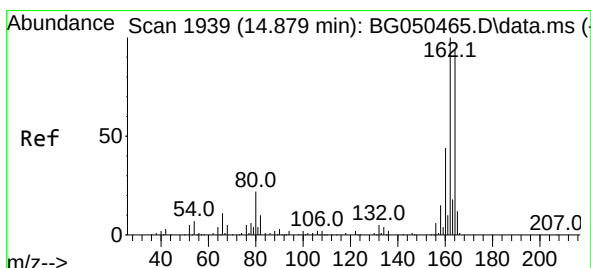
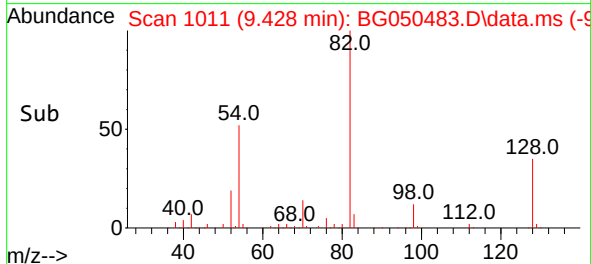
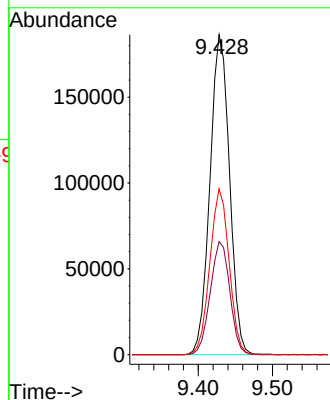
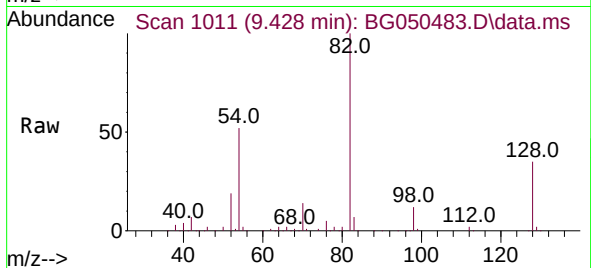




#23
Nitrobenzene-d5
Concen: 80.017 ng
RT: 9.428 min Scan# 1011
Delta R.T. -0.005 min
Lab File: BG050483.D
Acq: 7 Oct 2021 14:43

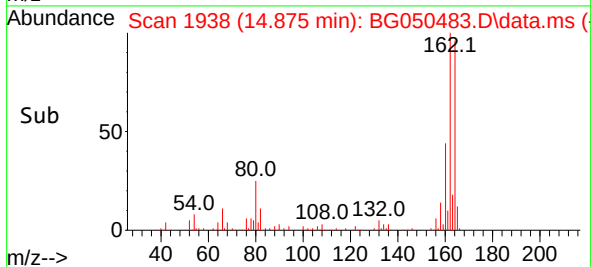
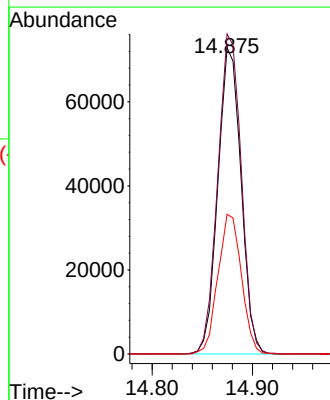
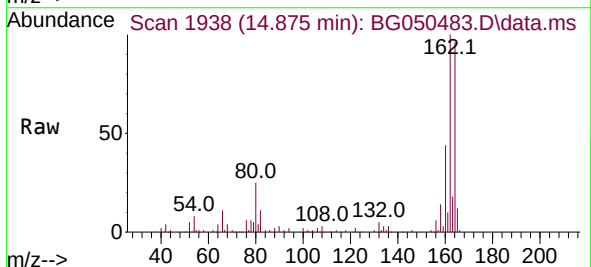
Instrument :
BNA_G
ClientSampleId :
CC-38

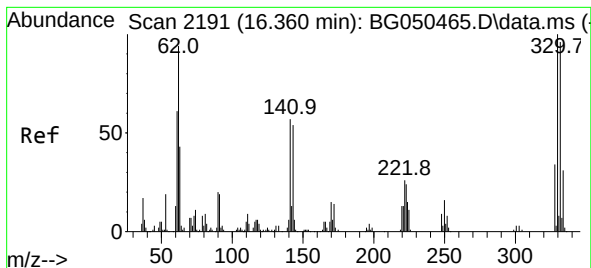
Tgt Ion: 82 Resp: 341508
Ion Ratio Lower Upper
82 100
128 35.4 29.8 44.6
54 51.8 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.875 min Scan# 1938
Delta R.T. -0.005 min
Lab File: BG050483.D
Acq: 7 Oct 2021 14:43

Tgt Ion:164 Resp: 116724
Ion Ratio Lower Upper
164 100
162 104.5 81.4 122.0
160 45.6 34.9 52.3

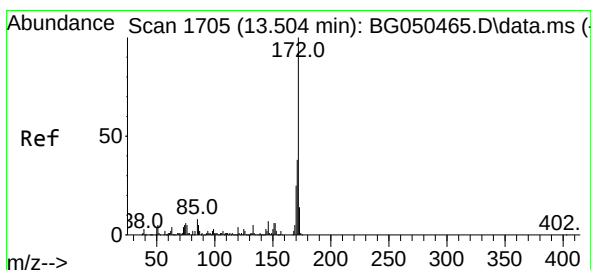
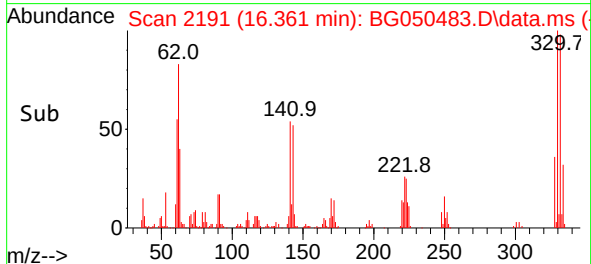
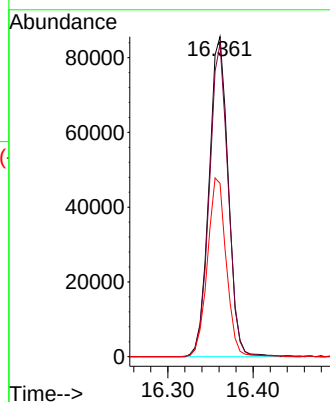
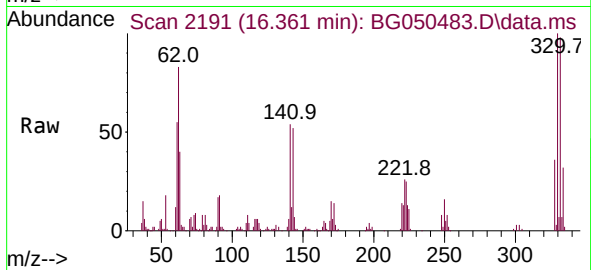




#42
2,4,6-Tribromophenol
Concen: 120.025 ng
RT: 16.361 min Scan# 2191
Delta R.T. 0.001 min
Lab File: BG050483.D
Acq: 7 Oct 2021 14:43

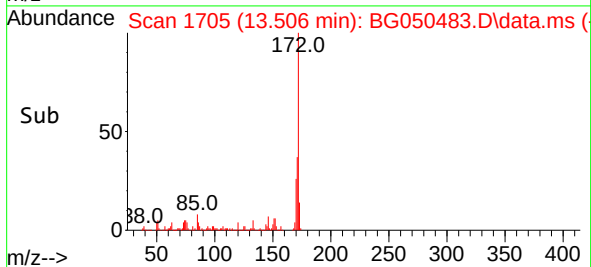
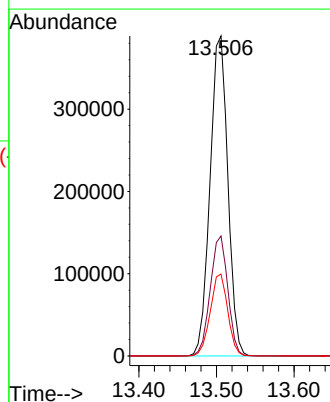
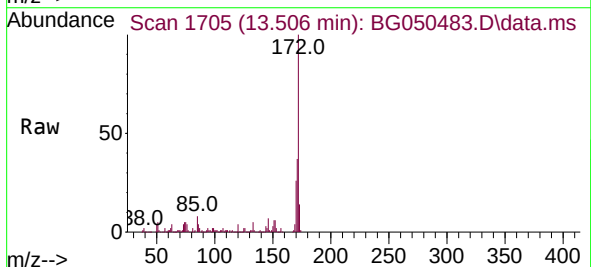
Instrument :
BNA_G
ClientSampleId :
CC-38

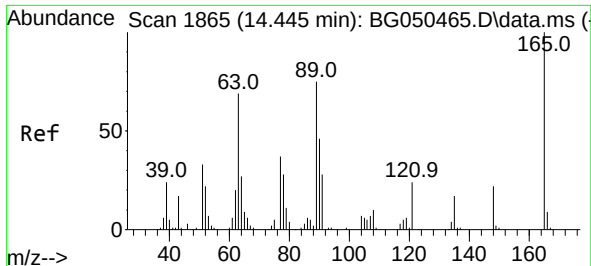
Tgt Ion:330 Resp: 133629
Ion Ratio Lower Upper
330 100
332 95.8 77.3 115.9
141 54.9 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 80.182 ng
RT: 13.506 min Scan# 1705
Delta R.T. 0.001 min
Lab File: BG050483.D
Acq: 7 Oct 2021 14:43

Tgt Ion:172 Resp: 621860
Ion Ratio Lower Upper
172 100
171 37.5 28.6 43.0
170 25.6 18.6 27.8

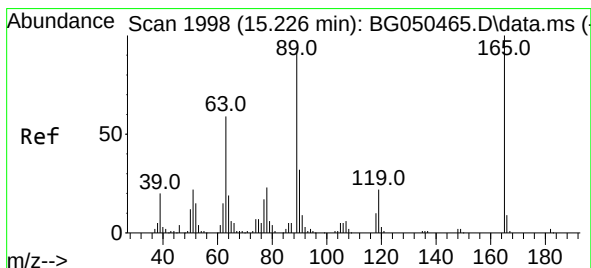
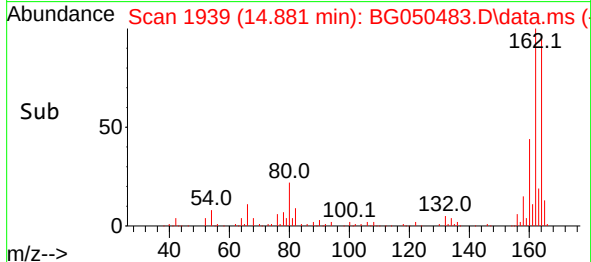
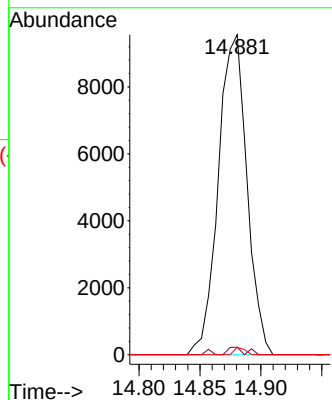
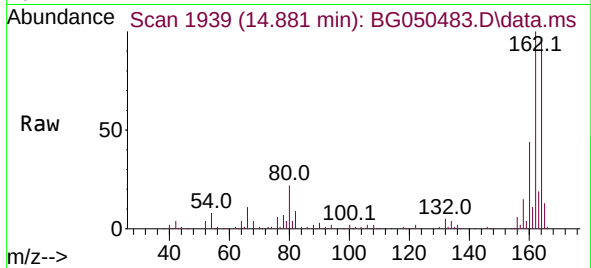




#51
2,6-Dinitrotoluene
Concen: 8.840 ng
RT: 14.881 min Scan# 1939
Delta R.T. 0.436 min
Lab File: BG050483.D
Acq: 7 Oct 2021 14:43

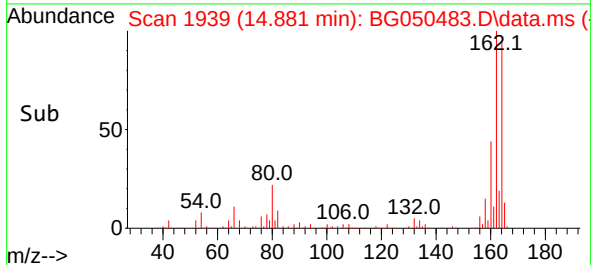
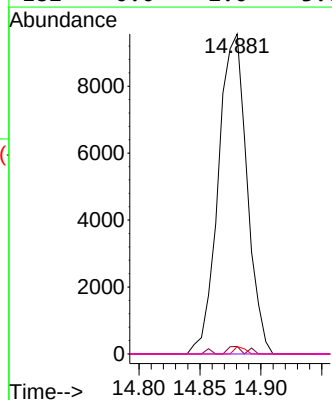
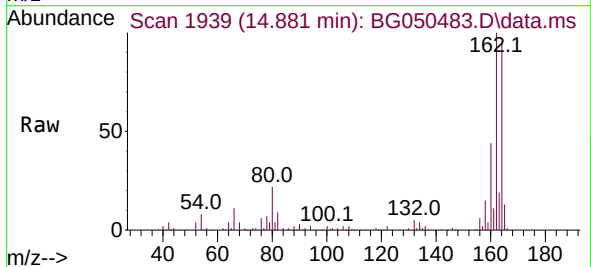
Instrument :
BNA_G
ClientSampled :
CC-38

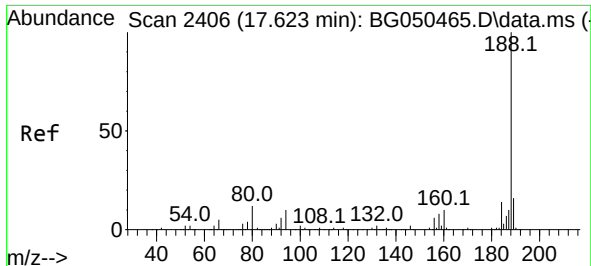
Tgt Ion:165 Resp: 15622
Ion Ratio Lower Upper
165 100
63 2.4 63.3 94.9#
89 2.3 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.272 ng
RT: 14.881 min Scan# 1939
Delta R.T. -0.345 min
Lab File: BG050483.D
Acq: 7 Oct 2021 14:43

Tgt Ion:165 Resp: 15622
Ion Ratio Lower Upper
165 100
63 2.4 48.0 72.0#
89 2.3 65.4 98.0#
182 0.0 2.0 3.0#

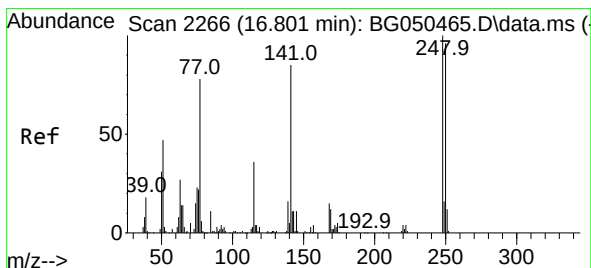
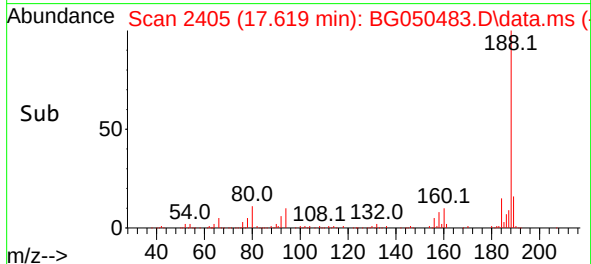
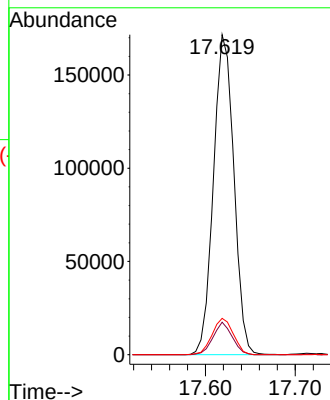
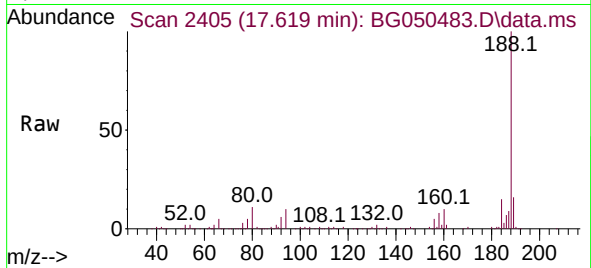




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.619 min Scan# 2405
Delta R.T. -0.005 min
Lab File: BG050483.D
Acq: 7 Oct 2021 14:43

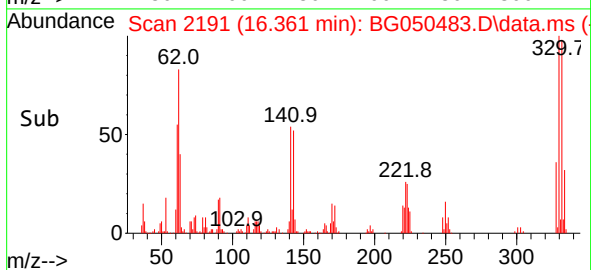
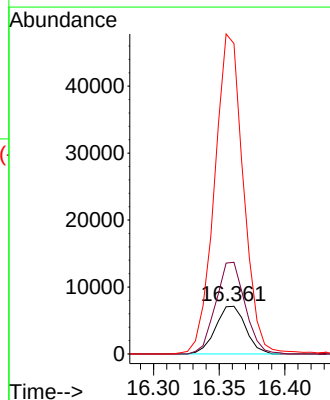
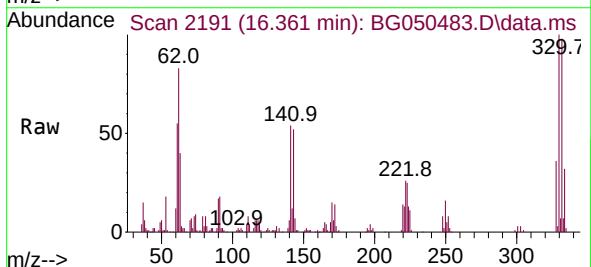
Instrument :
BNA_G
ClientSampleId :
CC-38

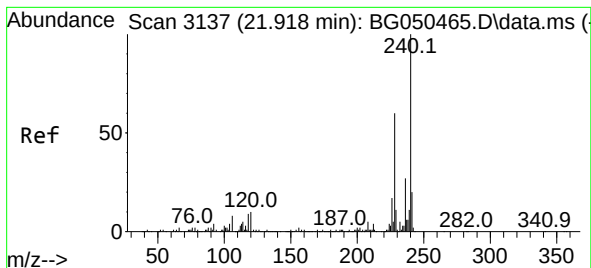
Tgt Ion:188 Resp: 270752
Ion Ratio Lower Upper
188 100
94 10.2 5.4 8.0#
80 11.3 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 4.144 ng
RT: 16.361 min Scan# 2191
Delta R.T. -0.439 min
Lab File: BG050483.D
Acq: 7 Oct 2021 14:43

Tgt Ion:248 Resp: 11307
Ion Ratio Lower Upper
248 100
250 192.1 76.1 114.1#
141 650.4 65.4 98.2#

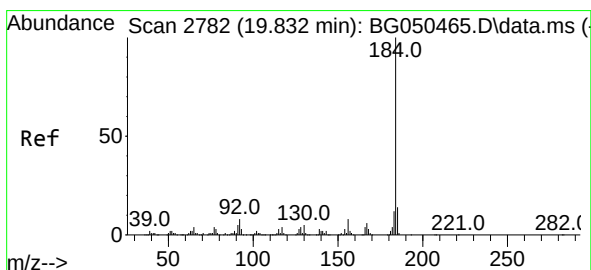
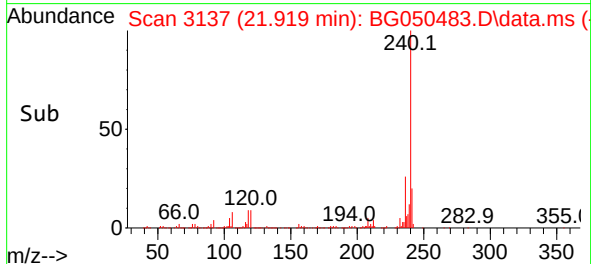
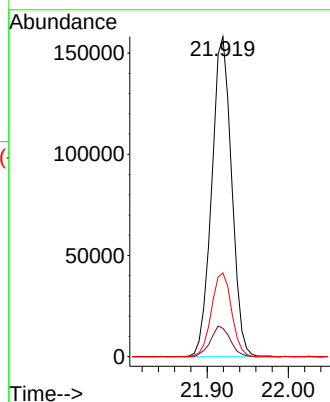
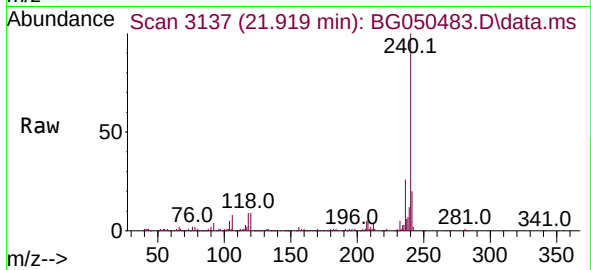




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.919 min Scan# 3137
Delta R.T. 0.001 min
Lab File: BG050483.D
Acq: 7 Oct 2021 14:43

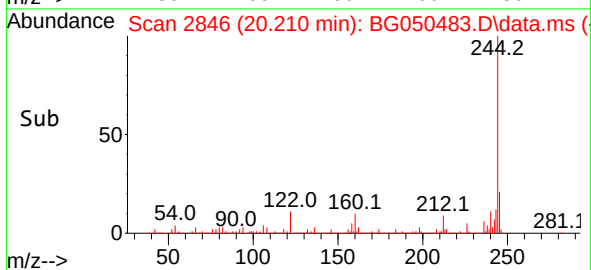
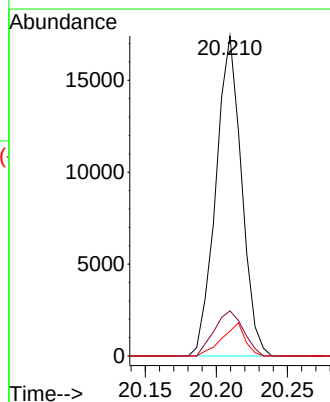
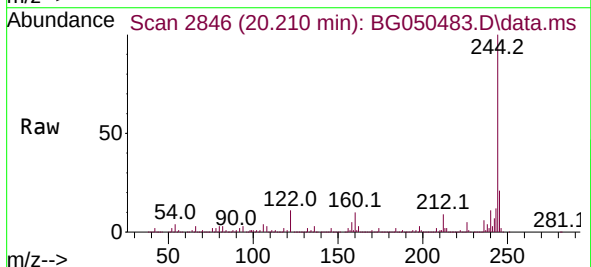
Instrument :
BNA_G
ClientSampled :
CC-38

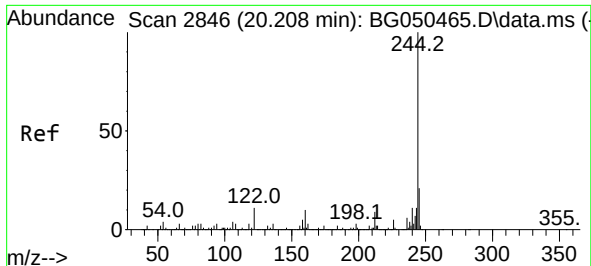
Tgt Ion:240 Resp: 268645
Ion Ratio Lower Upper
240 100
120 8.8 4.2 6.2#
236 26.1 21.8 32.6



#77
Benzidine
Concen: 2.512 ng
RT: 20.210 min Scan# 2846
Delta R.T. 0.377 min
Lab File: BG050483.D
Acq: 7 Oct 2021 14:43

Tgt Ion:184 Resp: 21871
Ion Ratio Lower Upper
184 100
185 14.1 10.7 16.1
183 7.8 9.4 14.0#

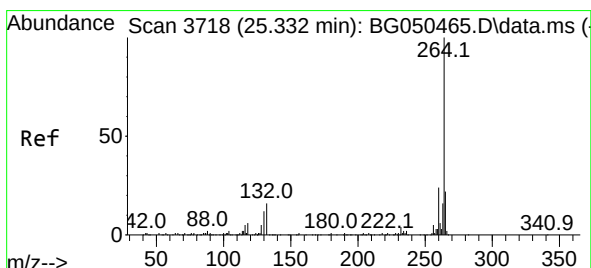
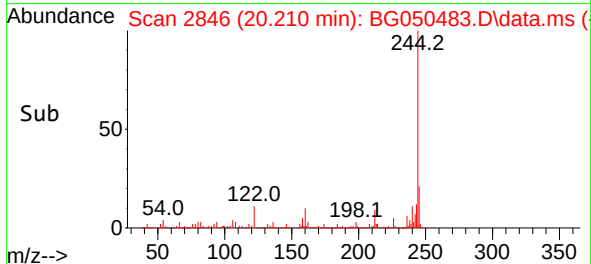
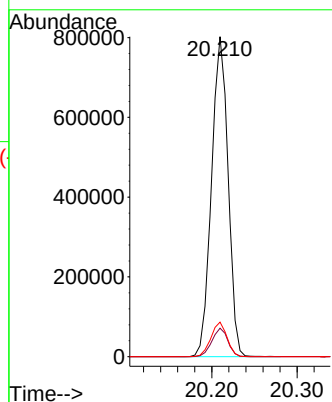
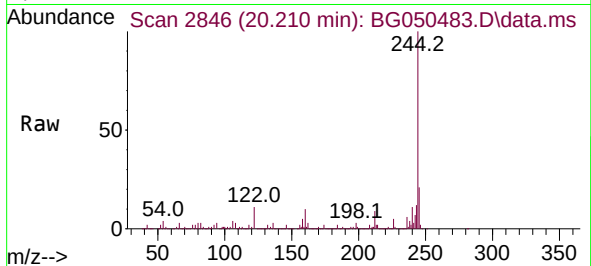




#79
 Terphenyl-d14
 Concen: 78.454 ng
 RT: 20.210 min Scan# 2846
 Delta R.T. 0.001 min
 Lab File: BG050483.D
 Acq: 7 Oct 2021 14:43

Instrument :
 BNA_G
 ClientSampled :
 CC-38

Tgt Ion:244 Resp: 1081487
 Ion Ratio Lower Upper
 244 100
 212 8.9 6.9 10.3
 122 10.8 5.0 7.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.333 min Scan# 3718
 Delta R.T. 0.001 min
 Lab File: BG050483.D
 Acq: 7 Oct 2021 14:43

Tgt Ion:264 Resp: 266372
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.4 29.2
 265 20.7 16.9 25.3

