

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
 Data File : BG051054.D
 Acq On : 15 Nov 2021 23:30
 Operator : CG/JU
 Sample : M4573-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MBR2

Quant Time: Nov 16 00:41:44 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 15 03:55:35 2021
 Response via : Initial Calibration

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

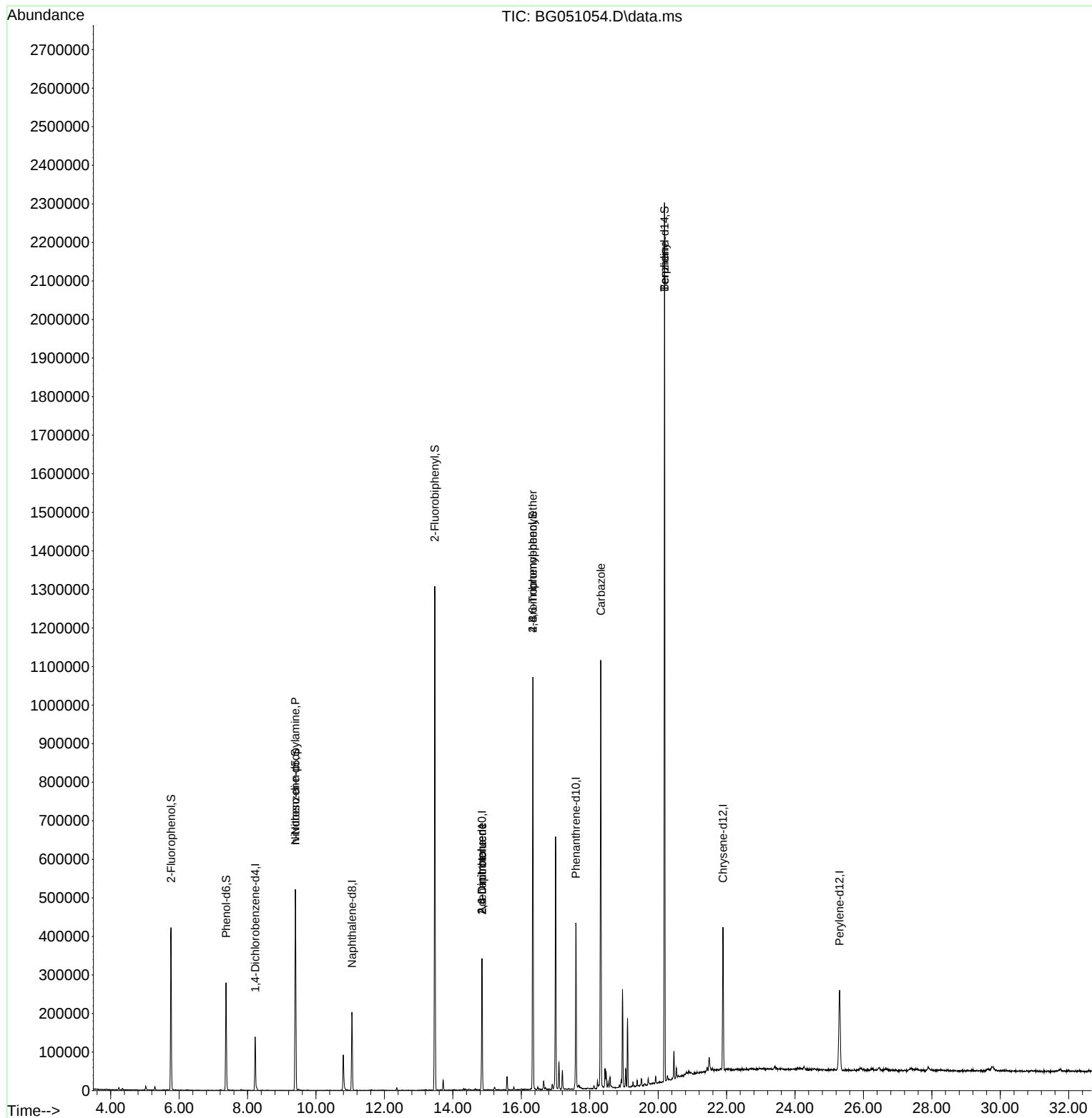
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	39129	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	173064	20.000	ng	# 0.00
39) Acenaphthene-d10	14.851	164	118824	20.000	ng	0.00
64) Phenanthrene-d10	17.595	188	261307	20.000	ng	# 0.00
76) Chrysene-d12	21.895	240	225880	20.000	ng	# 0.00
86) Perylene-d12	25.303	264	216772	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.761	112	184595	70.571	ng	0.00
7) Phenol-d6	7.371	99	162734	44.077	ng	0.00
23) Nitrobenzene-d5	9.398	82	339349	86.799	ng	0.00
42) 2,4,6-Tribromophenol	16.337	330	165590	139.256	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	662628	88.111	ng	0.00
79) Terphenyl-d14	20.186	244	1014148	82.153	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.398	70	46323	16.978	ng	# 69
51) 2,6-Dinitrotoluene	14.851	165	15308	7.956	ng	# 11
57) 2,4-Dinitrotoluene	14.851	165	15308	5.607	ng	# 16
67) 4-Bromophenyl-phenylether	16.337	248	13108	4.789	ng	# 1
73) Carbazole	18.323	167	200145	14.579	ng	# 61
77) Benzidine	20.186	184	18586	4.353	ng	# 95

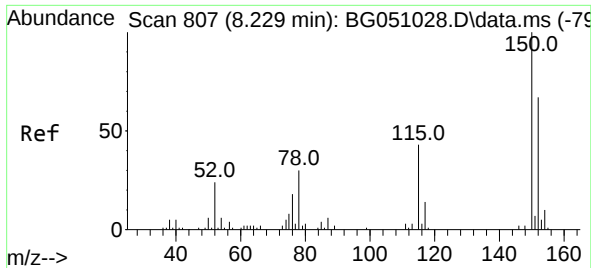
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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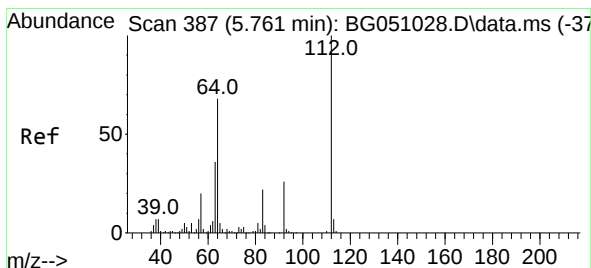
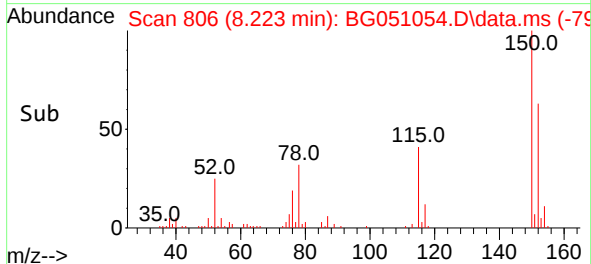
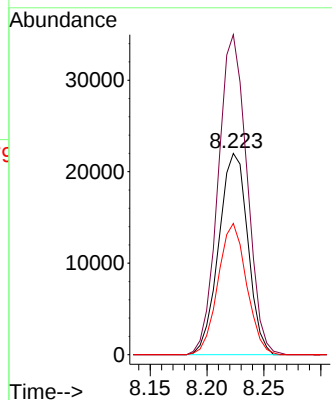
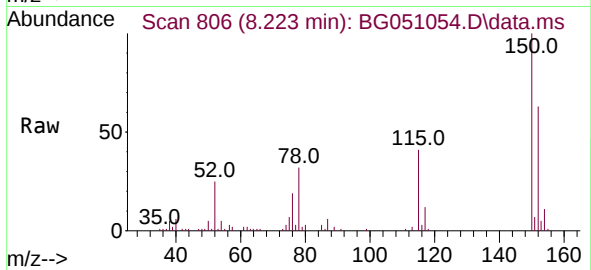




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 807
Delta R.T. -0.006 min
Lab File: BG051054.D
Acq: 15 Nov 2021 23:30

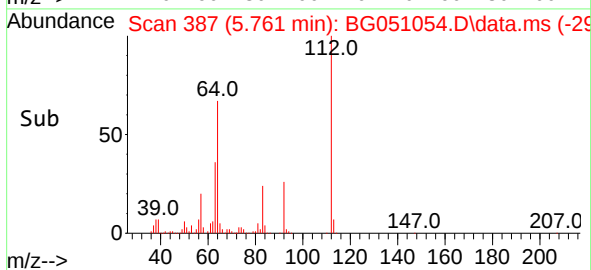
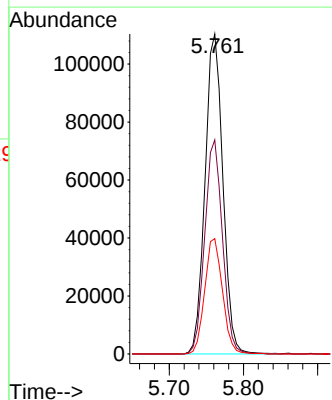
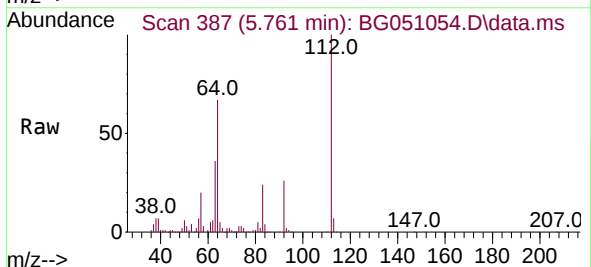
Instrument :
BNA_G
ClientSampleId :
MBR2

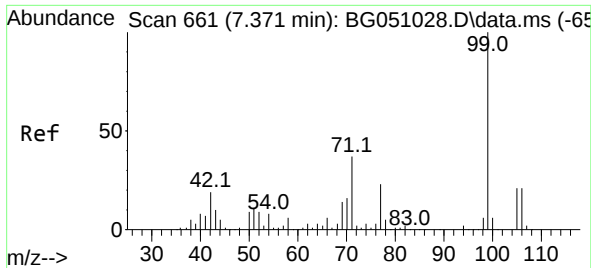
Tgt Ion:152 Resp: 39129
Ion Ratio Lower Upper
152 100
150 158.9 119.4 179.0
115 65.1 60.2 90.4



#5
2-Fluorophenol
Concen: 70.571 ng
RT: 5.761 min Scan# 387
Delta R.T. 0.000 min
Lab File: BG051054.D
Acq: 15 Nov 2021 23:30

Tgt Ion:112 Resp: 184595
Ion Ratio Lower Upper
112 100
64 66.9 46.7 70.1
63 36.0 35.3 52.9

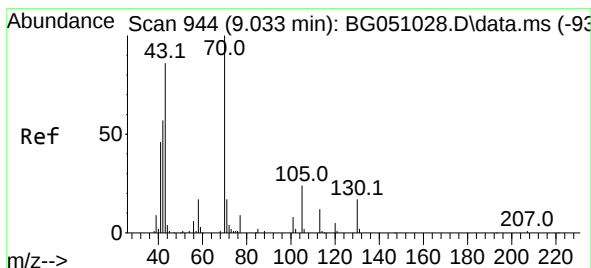
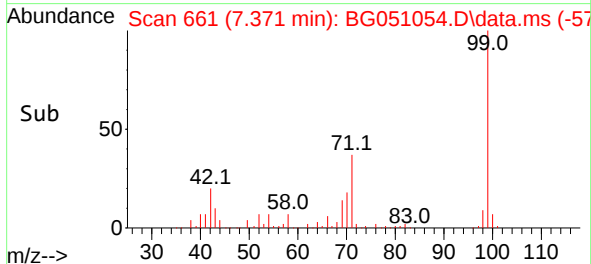
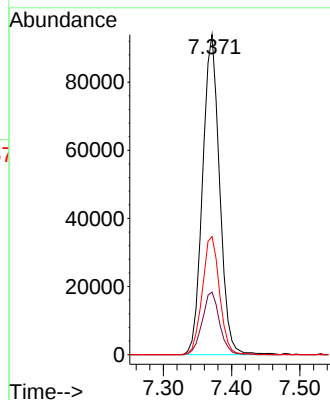
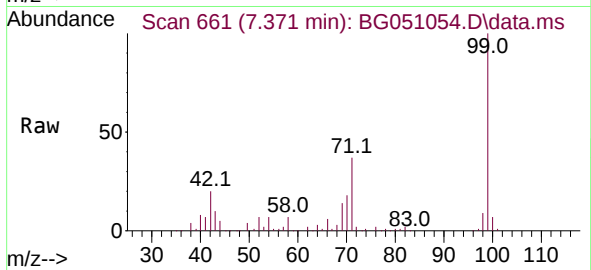




#7
Phenol-d6
Concen: 44.077 ng
RT: 7.371 min Scan# 60
Delta R.T. 0.000 min
Lab File: BG051054.D
Acq: 15 Nov 2021 23:30

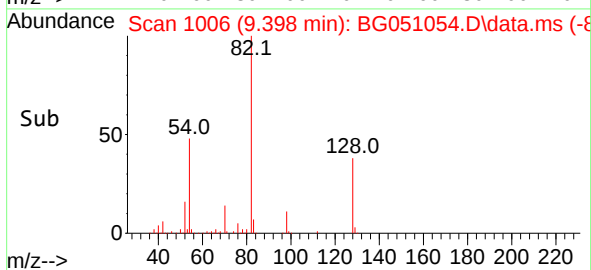
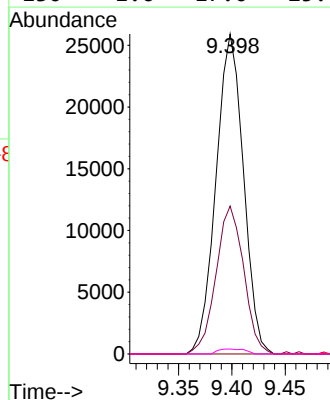
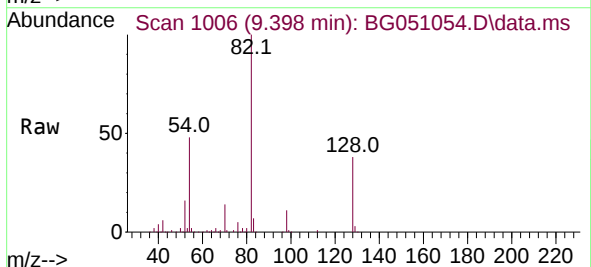
Instrument :
BNA_G
ClientSampleId :
MBR2

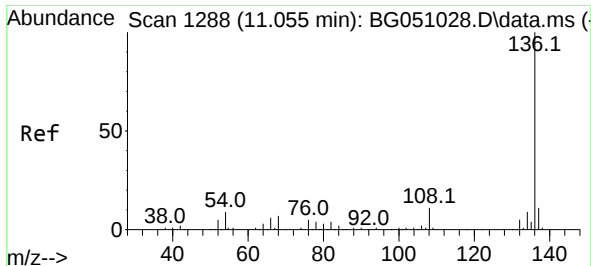
Tgt Ion: 99 Resp: 162734
Ion Ratio Lower Upper
99 100
42 19.5 20.5 30.7#
71 36.9 41.5 62.3#



#19
n-Nitroso-di-n-propylamine
Concen: 16.978 ng
RT: 9.398 min Scan# 1006
Delta R.T. 0.365 min
Lab File: BG051054.D
Acq: 15 Nov 2021 23:30

Tgt Ion: 70 Resp: 46323
Ion Ratio Lower Upper
70 100
42 46.2 54.5 81.7#
101 0.0 9.0 13.6#
130 1.6 17.0 25.6#

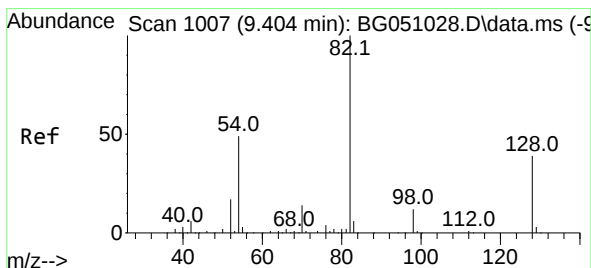
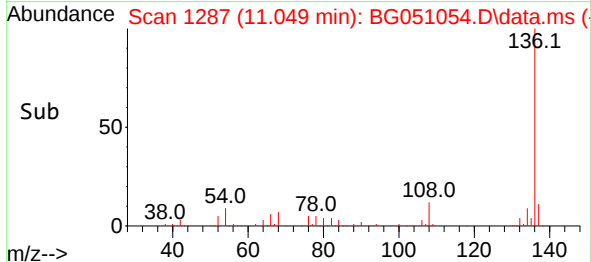
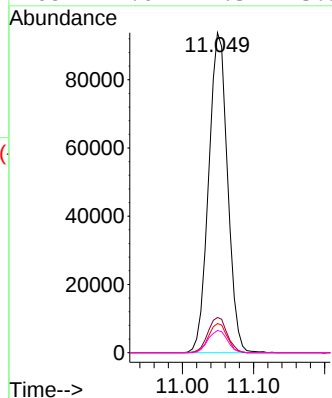
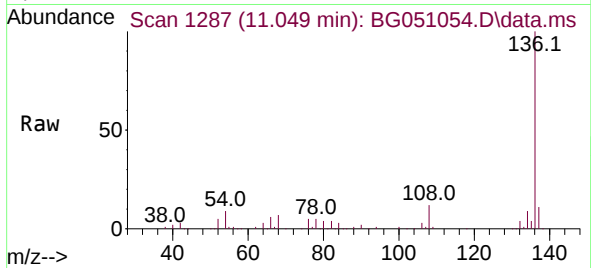




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1106
Delta R.T. -0.005 min
Lab File: BG051054.D
Acq: 15 Nov 2021 23:30

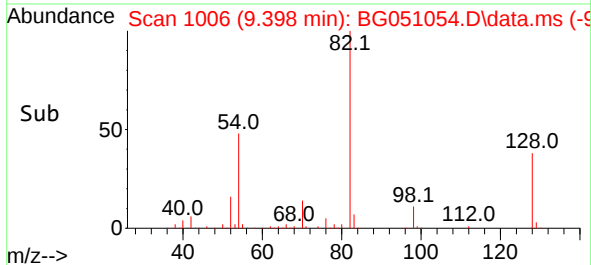
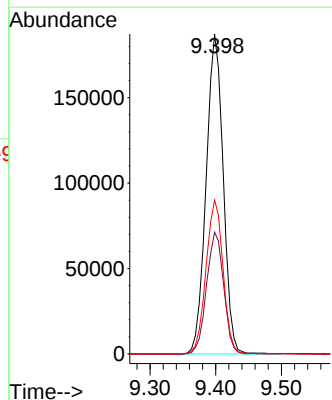
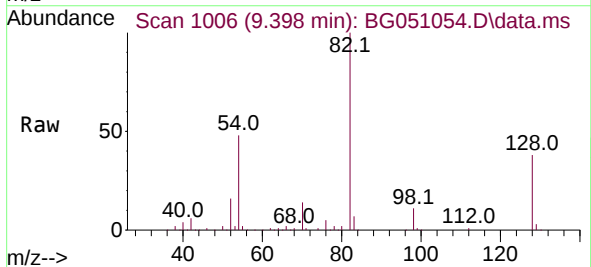
Instrument :
BNA_G
ClientSampleId :
MBR2

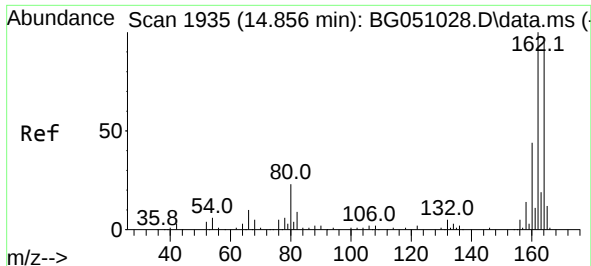
Tgt Ion:136 Resp: 173064
Ion Ratio Lower Upper
136 100
137 11.0 8.2 12.2
54 9.1 5.5 8.3#
68 7.0 2.3 3.5#



#23
Nitrobenzene-d5
Concen: 86.799 ng
RT: 9.398 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BG051054.D
Acq: 15 Nov 2021 23:30

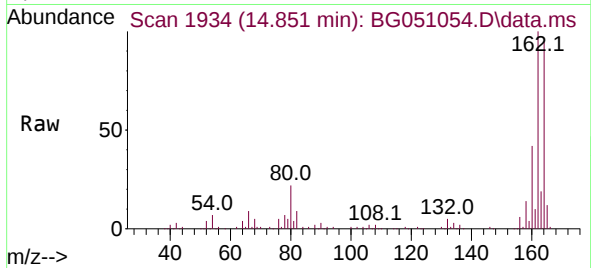
Tgt Ion: 82 Resp: 339349
Ion Ratio Lower Upper
82 100
128 38.1 29.8 44.6
54 48.1 45.8 68.8



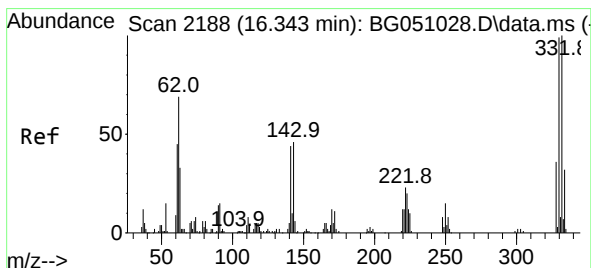
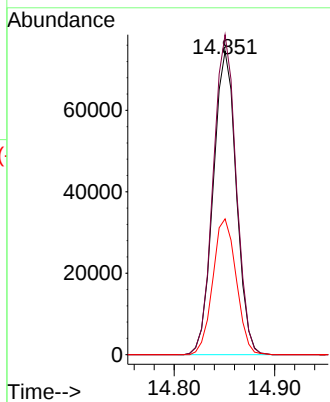
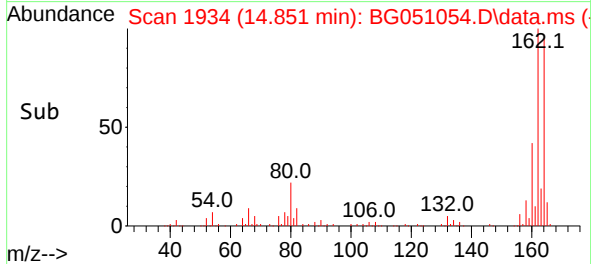


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.851 min Scan# 1934
Delta R.T. -0.005 min
Lab File: BG051054.D
Acq: 15 Nov 2021 23:30

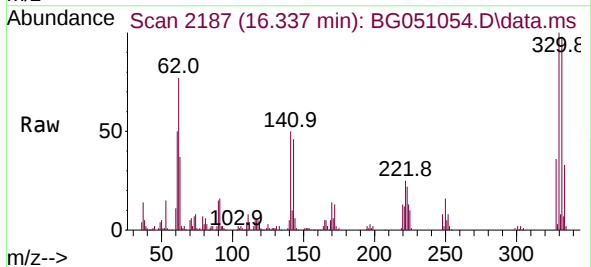
Instrument :
BNA_G
ClientSampleId :
MBR2



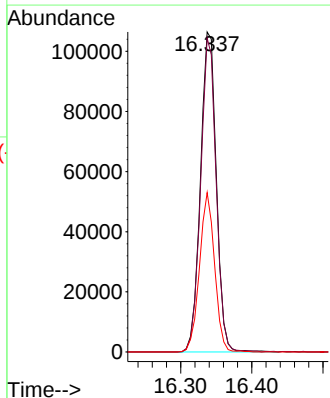
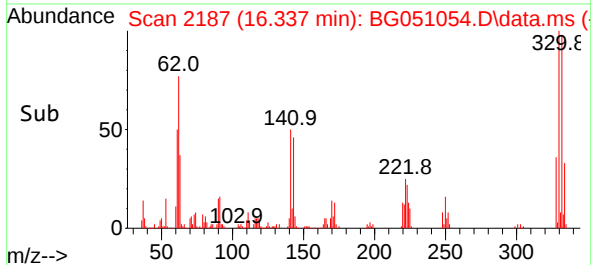
Tgt Ion:164 Resp: 118824
Ion Ratio Lower Upper
164 100
162 105.4 81.4 122.0
160 44.8 34.9 52.3

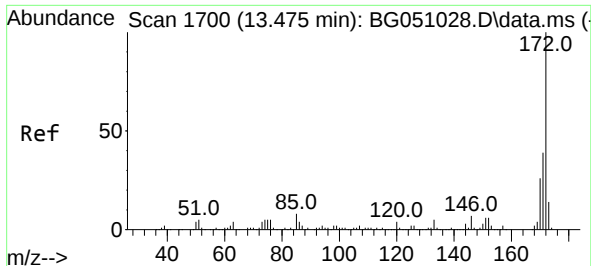


#42
2,4,6-Tribromophenol
Concen: 139.256 ng
RT: 16.337 min Scan# 2187
Delta R.T. -0.006 min
Lab File: BG051054.D
Acq: 15 Nov 2021 23:30



Tgt Ion:330 Resp: 165590
Ion Ratio Lower Upper
330 100
332 95.8 77.3 115.9
141 47.3 35.6 53.4

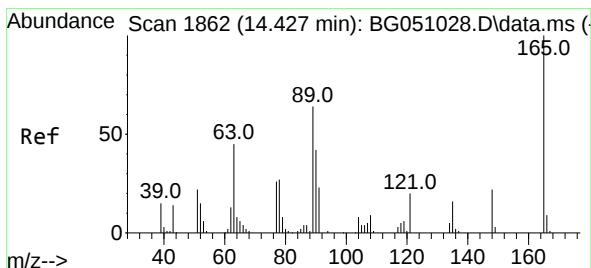
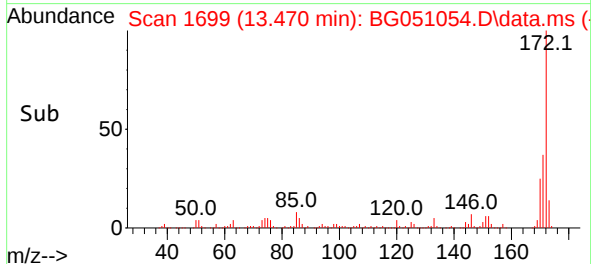
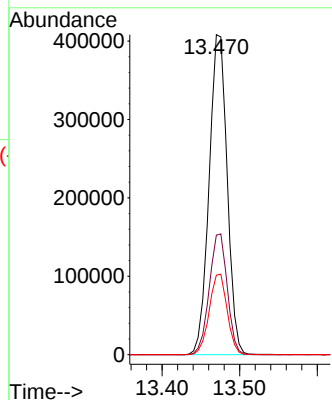
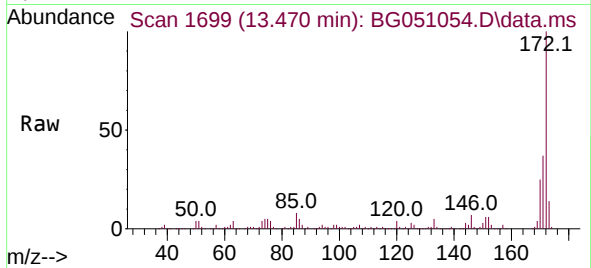




#45
2-Fluorobiphenyl
Concen: 88.111 ng
RT: 13.470 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG051054.D
Acq: 15 Nov 2021 23:30

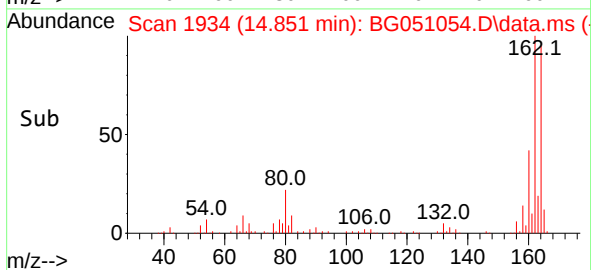
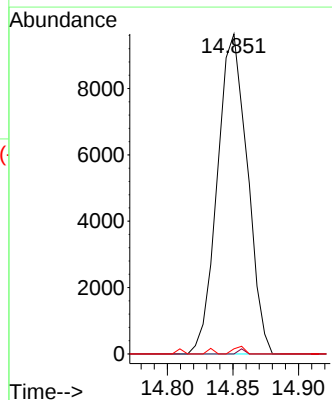
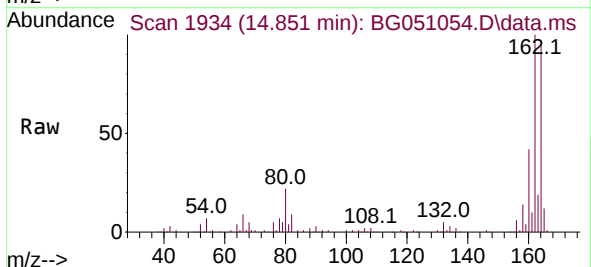
Instrument :
BNA_G
ClientSampleId :
MBR2

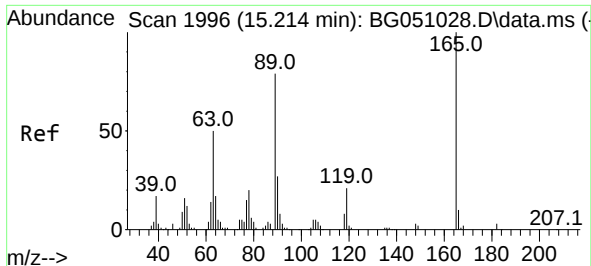
Tgt Ion:172 Resp: 662628
Ion Ratio Lower Upper
172 100
171 37.3 28.6 43.0
170 24.9 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 7.956 ng
RT: 14.851 min Scan# 1934
Delta R.T. 0.424 min
Lab File: BG051054.D
Acq: 15 Nov 2021 23:30

Tgt Ion:165 Resp: 15308
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 1.6 63.4 95.0#





#57

2,4-Dinitrotoluene

Concen: 5.607 ng

RT: 14.851 min Scan# 1996

Delta R.T. -0.364 min

Lab File: BG051054.D

Acq: 15 Nov 2021 23:30

Instrument :

BNA_G

ClientSampleId :

MBR2

Tgt Ion:165 Resp: 15308

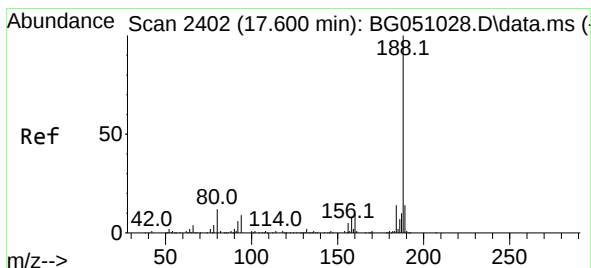
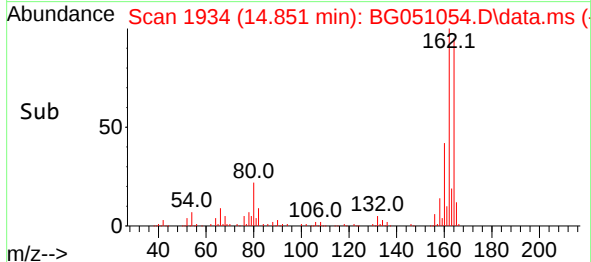
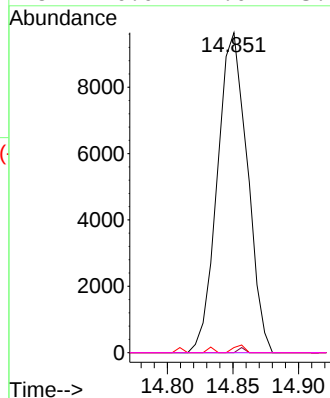
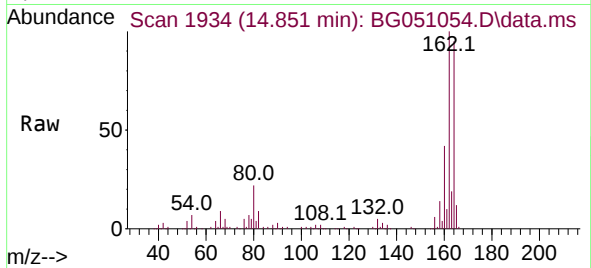
Ion Ratio Lower Upper

165 100

63 0.0 48.0 72.0#

89 1.6 65.4 98.0#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.595 min Scan# 2401

Delta R.T. -0.005 min

Lab File: BG051054.D

Acq: 15 Nov 2021 23:30

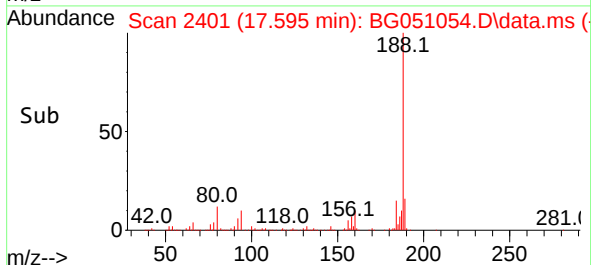
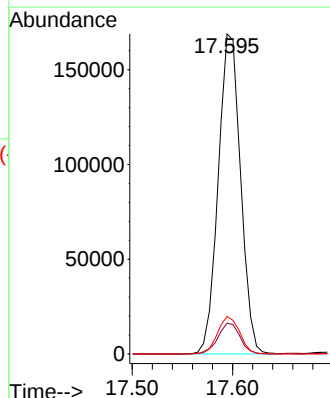
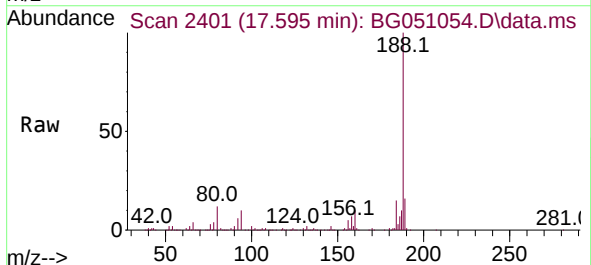
Tgt Ion:188 Resp: 261307

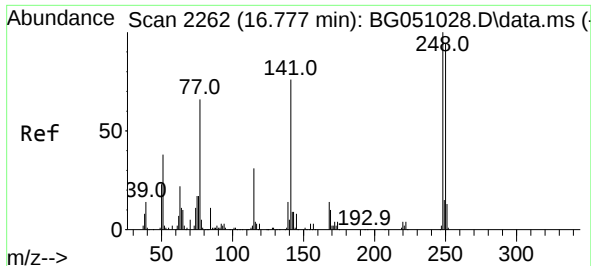
Ion Ratio Lower Upper

188 100

94 9.7 5.4 8.0#

80 11.7 3.7 5.5#

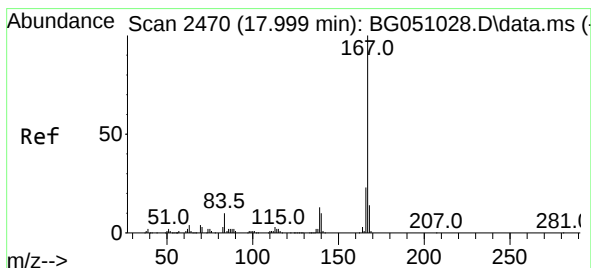
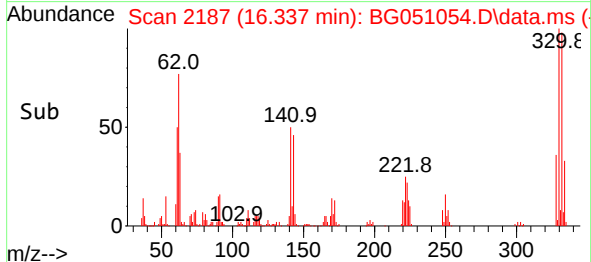
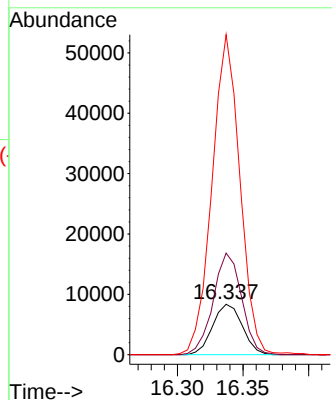
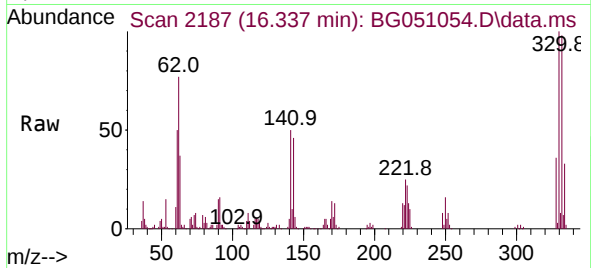




#67
4-Bromophenyl-phenylether
Concen: 4.789 ng
RT: 16.337 min Scan# 211
Delta R.T. -0.440 min
Lab File: BG051054.D
Acq: 15 Nov 2021 23:30

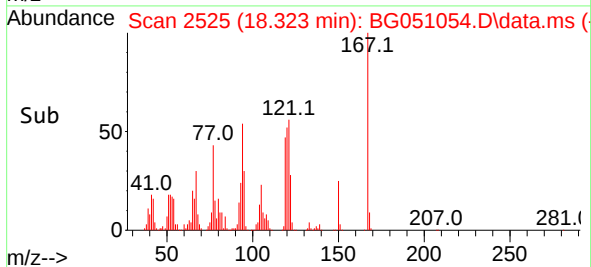
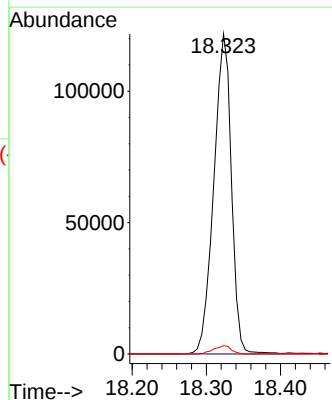
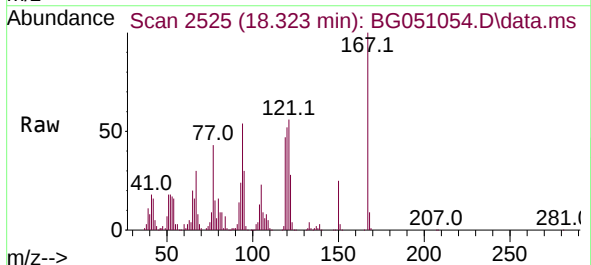
Instrument :
BNA_G
ClientSampleId :
MBR2

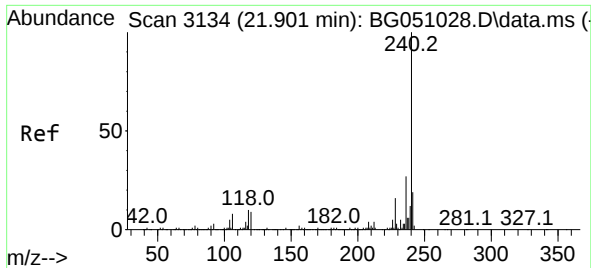
Tgt Ion:248 Resp: 13108
Ion Ratio Lower Upper
248 100
250 201.6 76.1 114.1#
141 634.7 65.4 98.2#



#73
Carbazole
Concen: 14.579 ng
RT: 18.323 min Scan# 2525
Delta R.T. 0.324 min
Lab File: BG051054.D
Acq: 15 Nov 2021 23:30

Tgt Ion:167 Resp: 200145
Ion Ratio Lower Upper
167 100
166 0.0 17.4 26.2#
139 2.6 10.7 16.1#

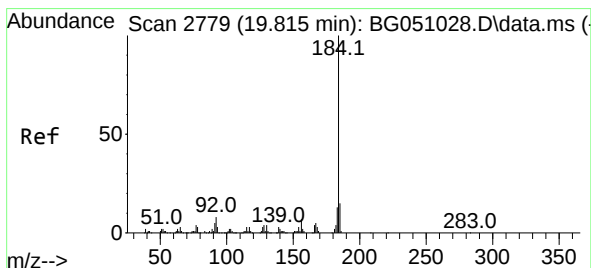
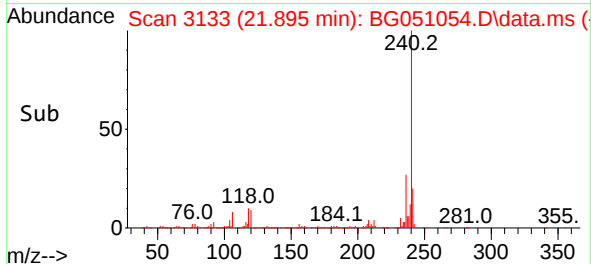
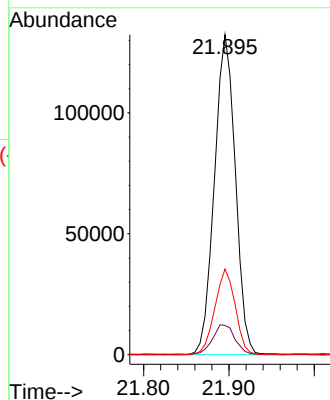
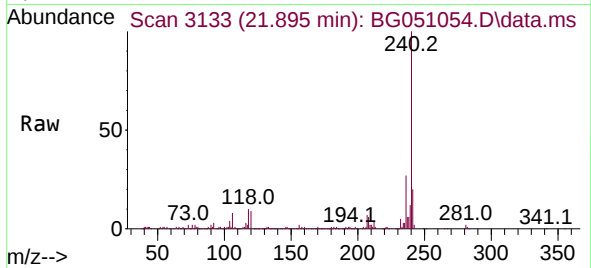




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.895 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG051054.D
Acq: 15 Nov 2021 23:30

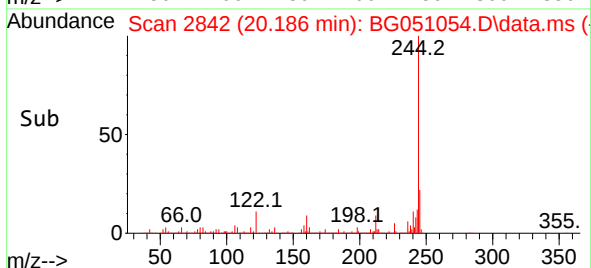
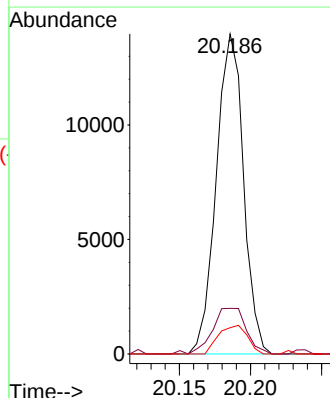
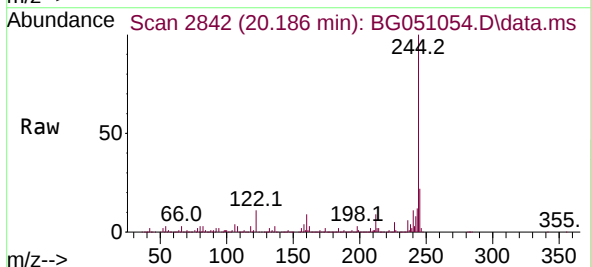
Instrument :
BNA_G
ClientSampleId :
MBR2

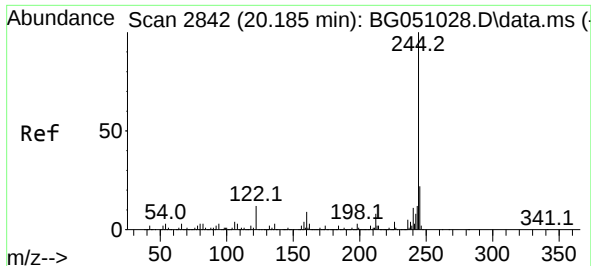
Tgt Ion:240 Resp: 225880
Ion Ratio Lower Upper
240 100
120 9.1 4.2 6.2#
236 26.8 21.8 32.6



#77
Benzidine
Concen: 4.353 ng
RT: 20.186 min Scan# 2842
Delta R.T. 0.371 min
Lab File: BG051054.D
Acq: 15 Nov 2021 23:30

Tgt Ion:184 Resp: 18586
Ion Ratio Lower Upper
184 100
185 14.2 10.7 16.1
183 8.2 9.4 14.0#

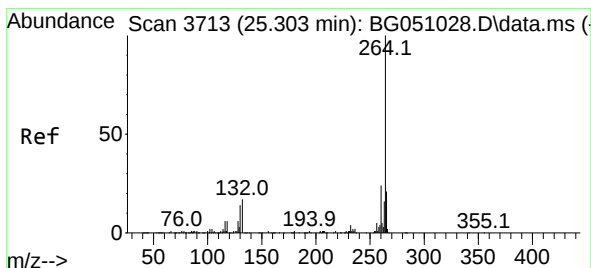
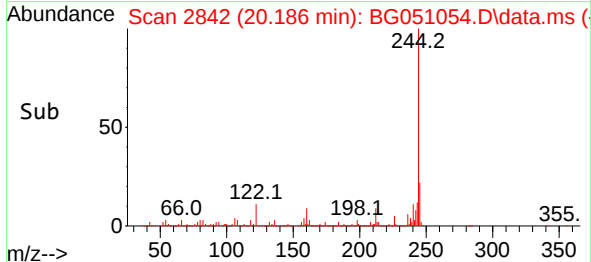
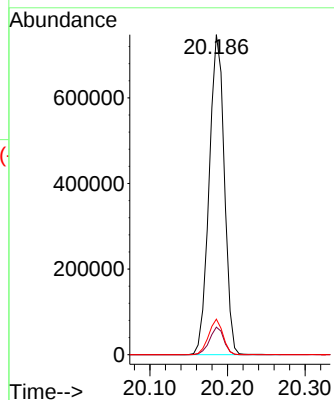
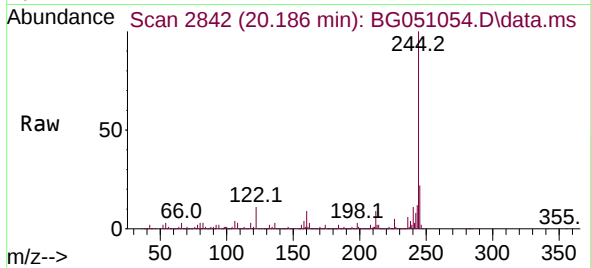




#79
 Terphenyl-d14
 Concen: 82.153 ng
 RT: 20.186 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG051054.D
 Acq: 15 Nov 2021 23:30

Instrument :
 BNA_G
 ClientSampleId :
 MBR2

Tgt Ion:244 Resp: 1014148
 Ion Ratio Lower Upper
 244 100
 212 8.6 6.9 10.3
 122 11.1 5.0 7.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.303 min Scan# 3713
 Delta R.T. 0.001 min
 Lab File: BG051054.D
 Acq: 15 Nov 2021 23:30

Tgt Ion:264 Resp: 216772
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.4 29.2
 265 22.1 16.9 25.3

