

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031524\
 Data File : BG060663.D
 Acq On : 15 Mar 2024 13:46
 Operator : MA/JU
 Sample : P1749-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

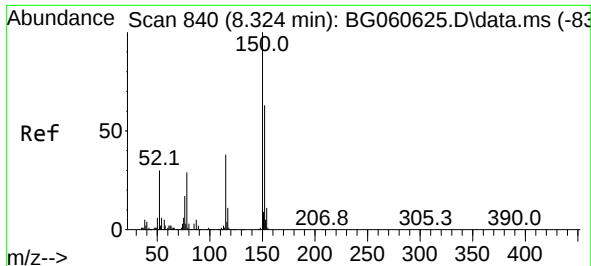
Instrument :
 BNA_G
 ClientSampleId :
 MW-4

Quant Time: Mar 15 15:16:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 00:45:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.323	152	92201	20.000	ng	0.00
21) Naphthalene-d8	11.167	136	433816	20.000	ng	0.00
39) Acenaphthene-d10	14.945	164	290558	20.000	ng	0.00
64) Phenanthrene-d10	17.695	188	605367	20.000	ng	0.00
76) Chrysene-d12	22.007	240	552639	20.000	ng	-0.02
86) Perylene-d12	25.562	264	624489	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.814	112	325610	55.515	ng	0.00
7) Phenol-d6	7.436	99	278712	32.758	ng	0.00
23) Nitrobenzene-d5	9.522	82	742113	89.029	ng	0.00
42) 2,4,6-Tribromophenol	16.431	330	500478	148.644	ng	0.00
45) 2-Fluorobiphenyl	13.576	172	1854750	86.306	ng	0.00
79) Terphenyl-d14	20.274	244	2638743	86.306	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	9.522	70	91098	15.447	ng	# 81
26) 2-Nitrophenol	9.833	139	65	2.254	ng	# 23
32) Benzoic acid	10.386	122	123	6.043	ng	# 1
51) 2,6-Dinitrotoluene	14.945	165	37000	9.215	ng	# 16
54) 2,4-Dinitrophenol	15.039	184	75	6.877	ng	# 17
57) 2,4-Dinitrotoluene	14.945	165	37000	7.325	ng	# 15
65) 4,6-Dinitro-2-methylph...	16.061	198	87	4.843	ng	# 27
67) 4-Bromophenyl-phenylether	16.431	248	31619	4.844	ng	# 1
77) Benzidine	20.274	184	44578	3.298	ng	# 94

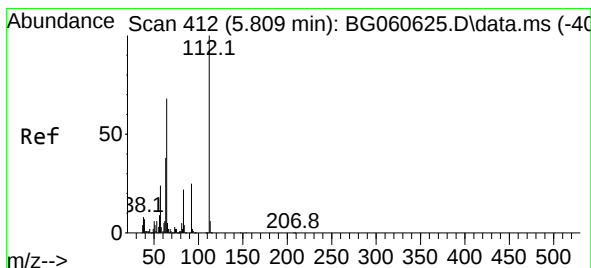
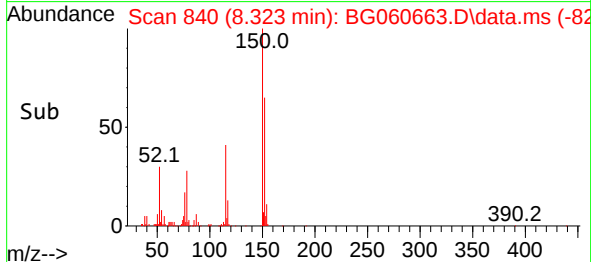
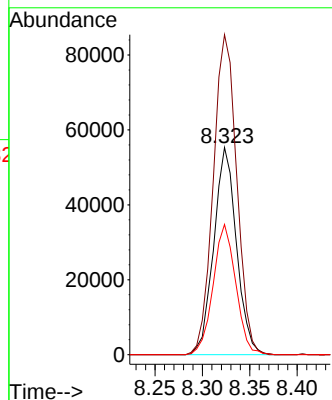
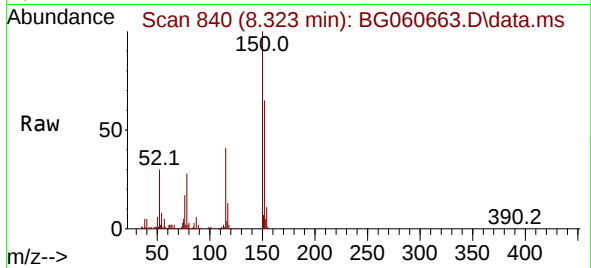
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.323 min Scan# 84
Delta R.T. -0.001 min
Lab File: BG060663.D
Acq: 15 Mar 2024 13:46

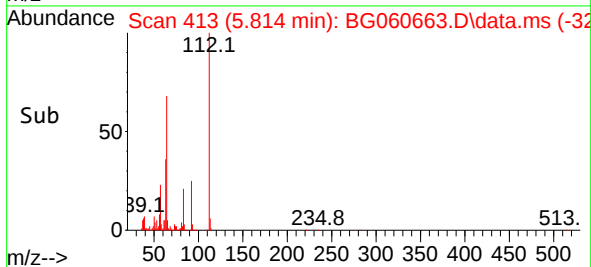
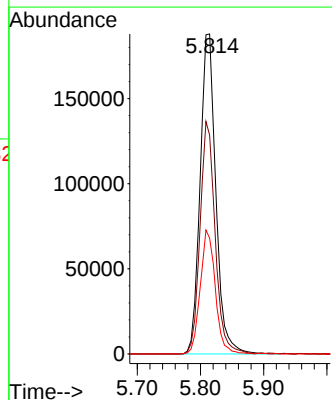
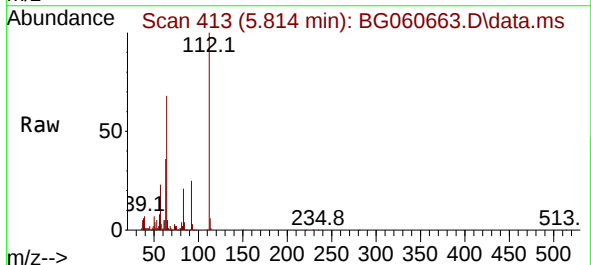
Instrument :
BNA_G
ClientSampleId :
MW-4

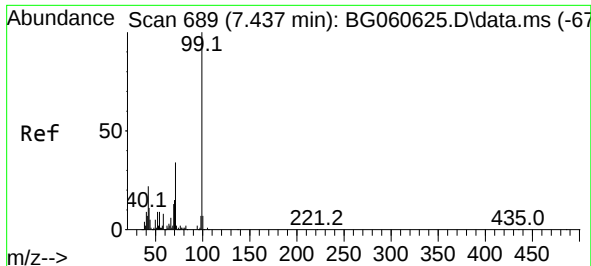
Tgt Ion:152 Resp: 92201
Ion Ratio Lower Upper
152 100
150 154.5 126.6 190.0
115 62.8 47.8 71.8



#5
2-Fluorophenol
Concen: 55.515 ng
RT: 5.814 min Scan# 413
Delta R.T. 0.005 min
Lab File: BG060663.D
Acq: 15 Mar 2024 13:46

Tgt Ion:112 Resp: 325610
Ion Ratio Lower Upper
112 100
64 68.4 54.1 81.1
63 36.2 30.3 45.5

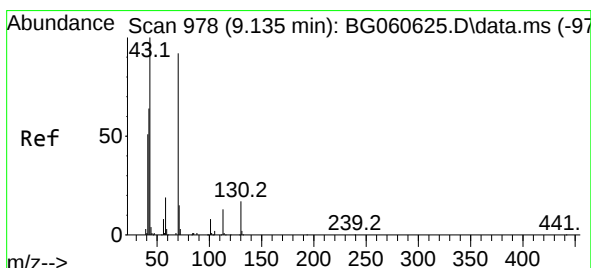
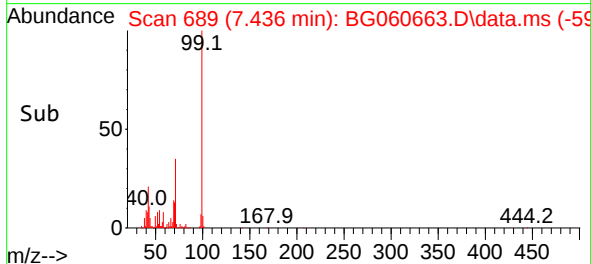
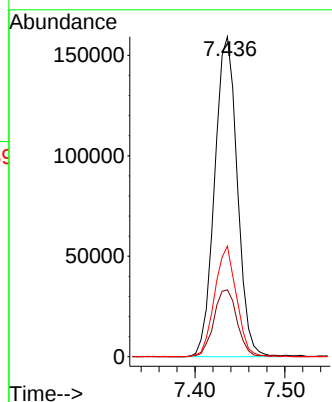
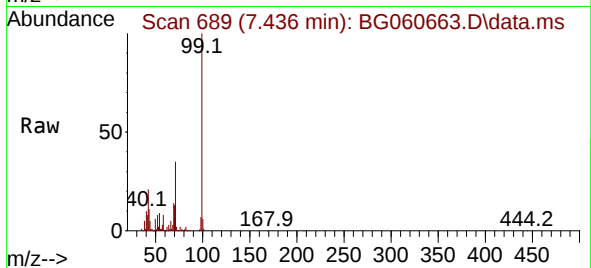




#7
Phenol-d6
Concen: 32.758 ng
RT: 7.436 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG060663.D
Acq: 15 Mar 2024 13:46

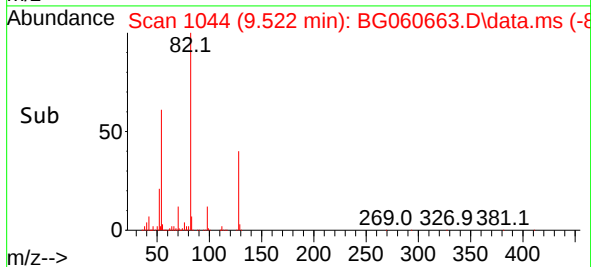
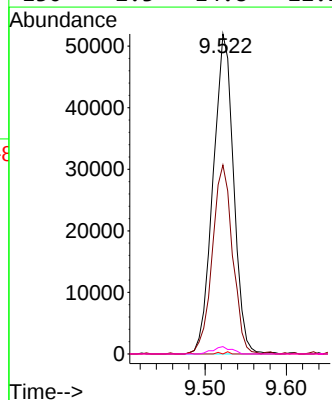
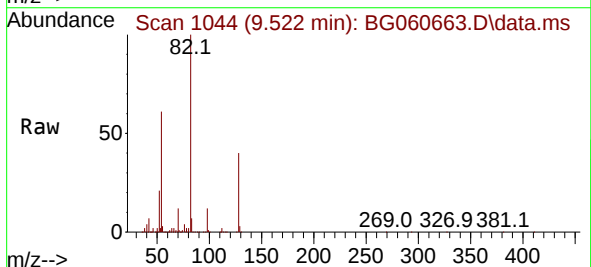
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BNA_G
ClientSampleId :
MW-4

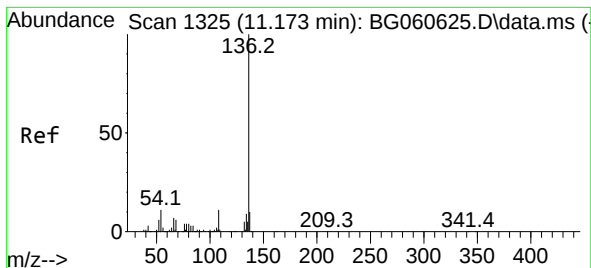
Tgt Ion: 99 Resp: 278712
Ion Ratio Lower Upper
99 100
42 20.9 17.5 26.3
71 34.6 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.447 ng
RT: 9.522 min Scan# 1044
Delta R.T. 0.387 min
Lab File: BG060663.D
Acq: 15 Mar 2024 13:46

Tgt Ion: 70 Resp: 91098
Ion Ratio Lower Upper
70 100
42 59.0 56.2 84.2
101 0.0 7.4 11.0#
130 2.3 14.8 22.2#

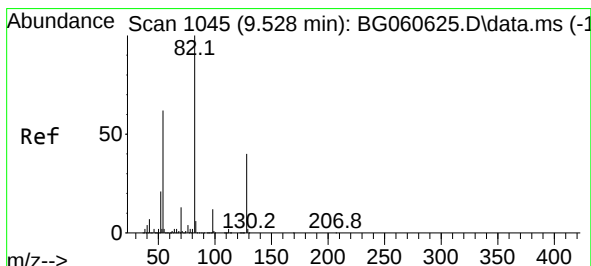
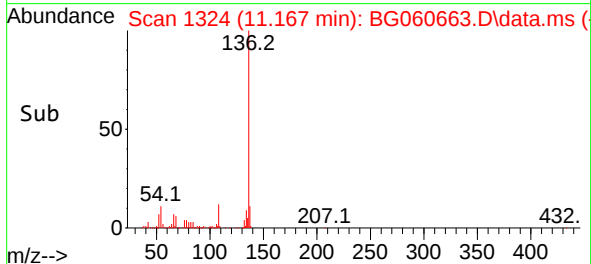
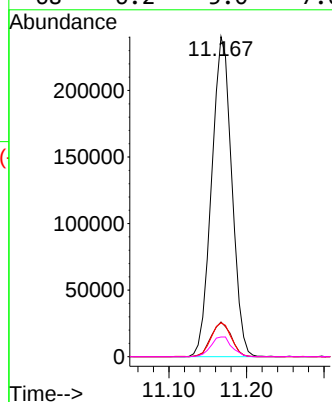
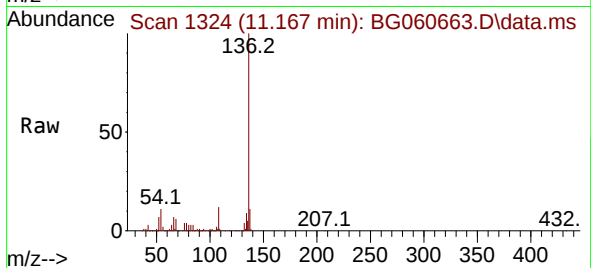




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.167 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG060663.D
Acq: 15 Mar 2024 13:46

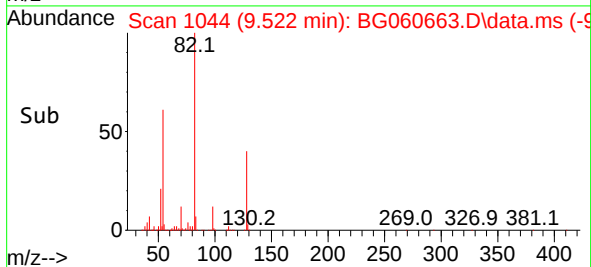
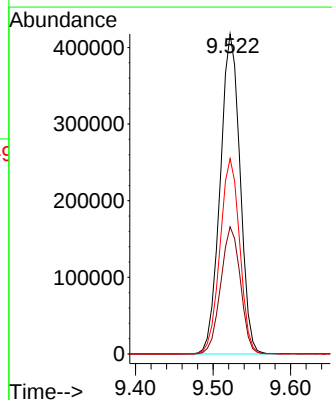
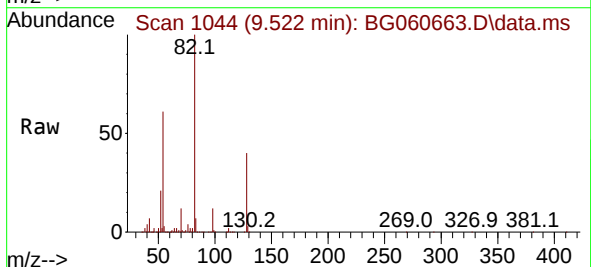
Instrument :
BNA_G
ClientSampleId :
MW-4

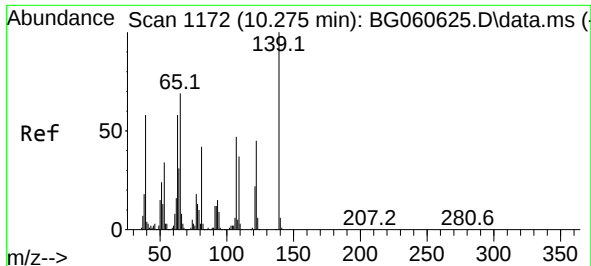
Tgt Ion:	136	Resp:	433816
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	10.6	8.5	12.7
68	6.2	5.0	7.6



#23
Nitrobenzene-d5
Concen: 89.029 ng
RT: 9.522 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BG060663.D
Acq: 15 Mar 2024 13:46

Tgt Ion:	82	Resp:	742113
Ion	Ratio	Lower	Upper
82	100		
128	39.7	31.6	47.4
54	61.0	49.3	73.9

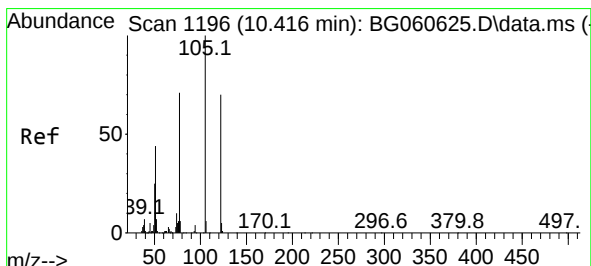
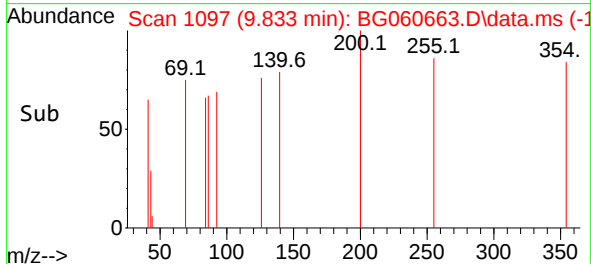
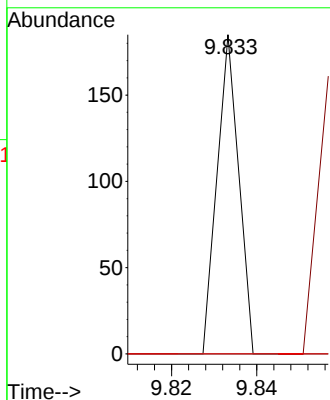
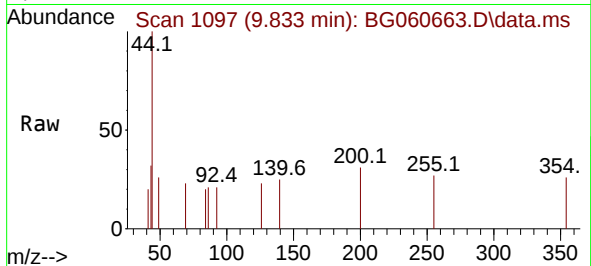




#26
2-Nitrophenol
Concen: 2.254 ng
RT: 9.833 min Scan# 1109
Delta R.T. -0.442 min
Lab File: BG060663.D
Acq: 15 Mar 2024 13:46

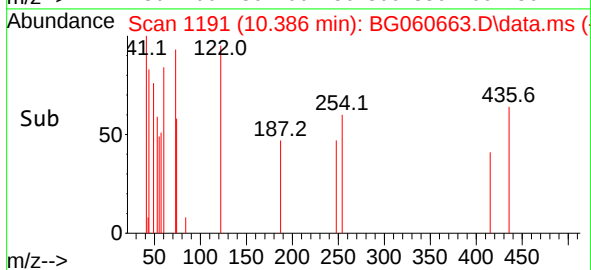
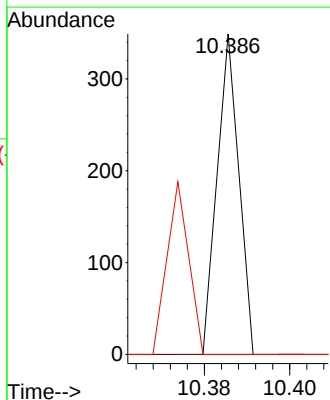
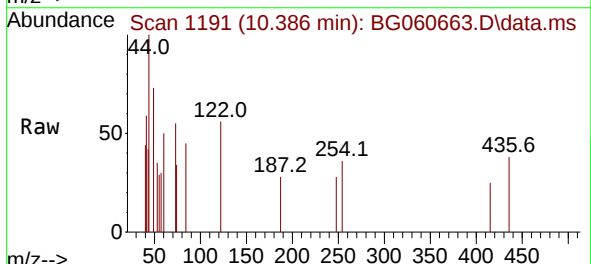
Instrument :
BNA_G
ClientSampleId :
MW-4

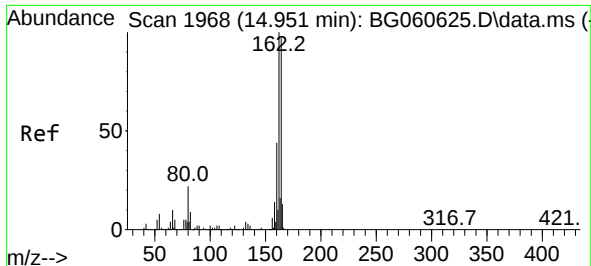
Tgt Ion:139 Resp: 65
Ion Ratio Lower Upper
139 100
109 0.0 29.5 44.3#
65 0.0 55.0 82.4#



#32
Benzoic acid
Concen: 6.043 ng
RT: 10.386 min Scan# 1191
Delta R.T. -0.030 min
Lab File: BG060663.D
Acq: 15 Mar 2024 13:46

Tgt Ion:122 Resp: 123
Ion Ratio Lower Upper
122 100
105 0.0 115.0 155.0#
77 0.0 79.0 119.0#

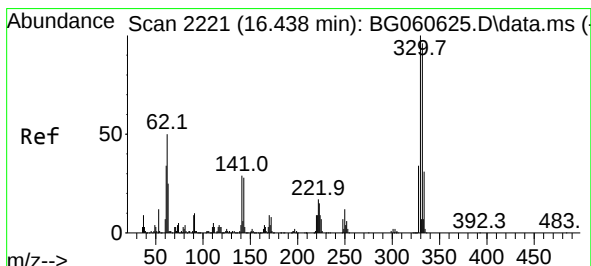
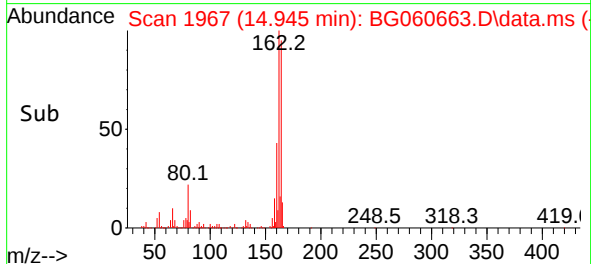
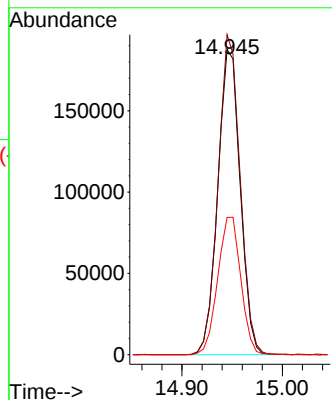
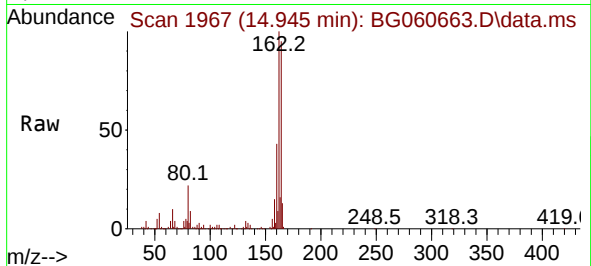




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.945 min Scan# 1967
Delta R.T. -0.006 min
Lab File: BG060663.D
Acq: 15 Mar 2024 13:46

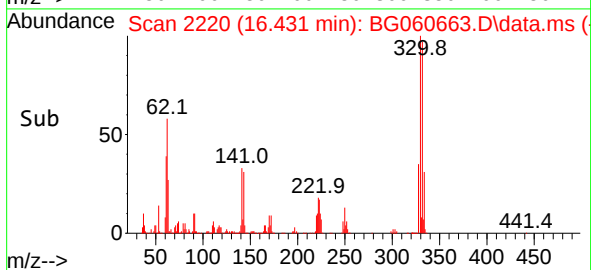
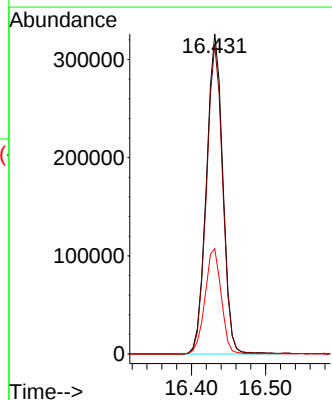
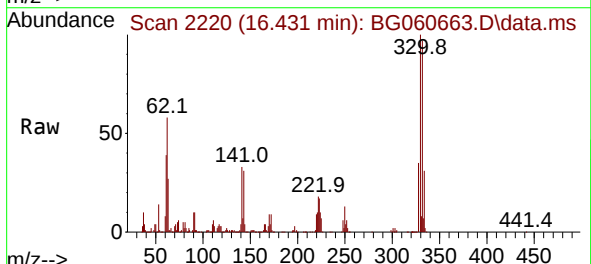
Instrument :
BNA_G
ClientSampleId :
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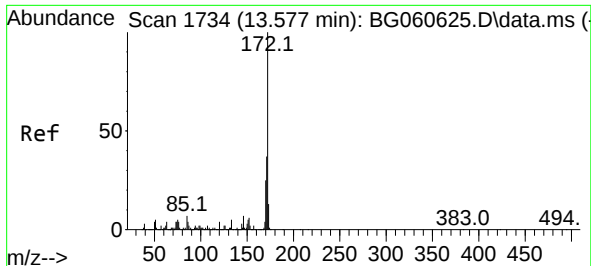
Tgt Ion:164 Resp: 290558
Ion Ratio Lower Upper
164 100
162 104.8 82.5 123.7
160 45.0 36.4 54.6



#42
2,4,6-Tribromophenol
Concen: 148.644 ng
RT: 16.431 min Scan# 2220
Delta R.T. -0.006 min
Lab File: BG060663.D
Acq: 15 Mar 2024 13:46

Tgt Ion:330 Resp: 500478
Ion Ratio Lower Upper
330 100
332 95.3 77.8 116.8
141 32.6 25.4 38.2

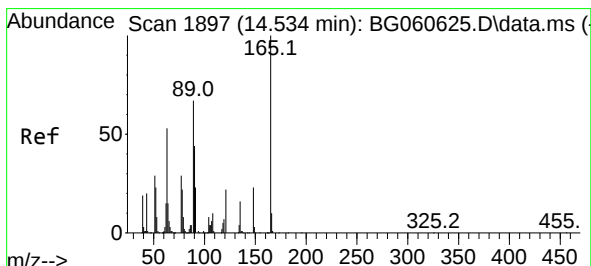
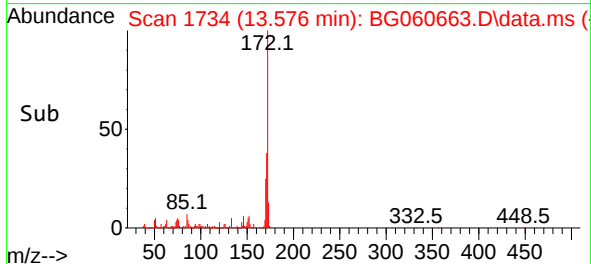
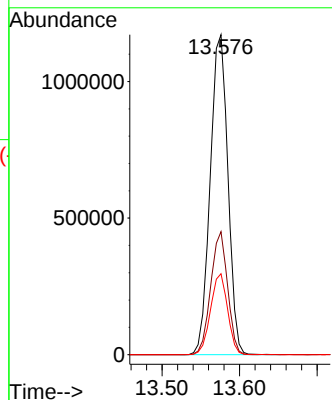
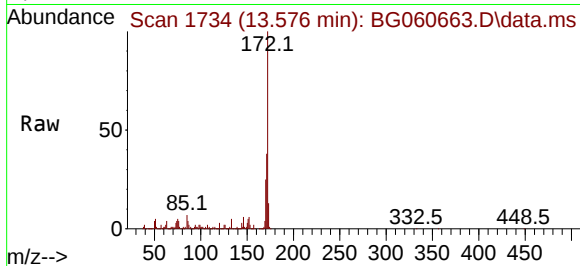




#45
2-Fluorobiphenyl
Concen: 86.306 ng
RT: 13.576 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG060663.D
Acq: 15 Mar 2024 13:46

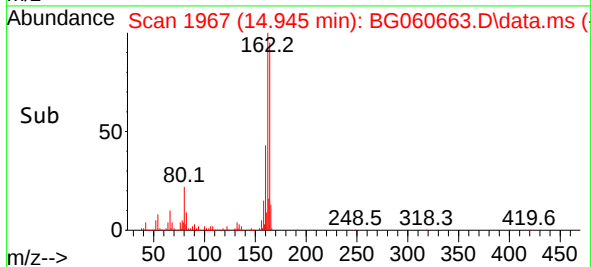
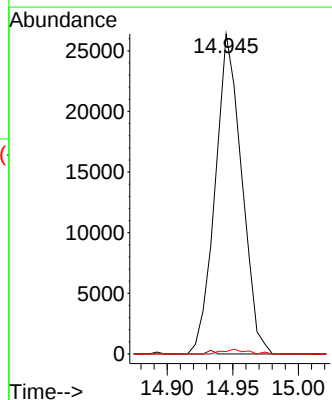
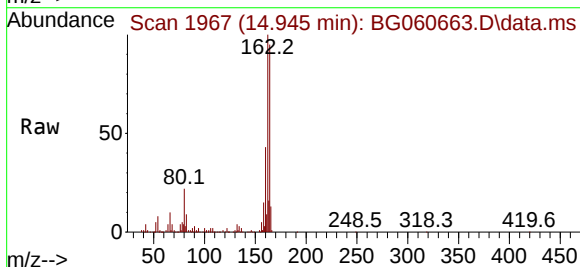
Instrument :
BNA_G
ClientSampleId :
MW-4

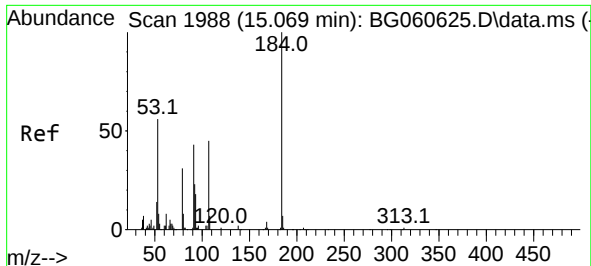
Tgt Ion:172 Resp: 1854750
Ion Ratio Lower Upper
172 100
171 38.4 29.9 44.9
170 25.3 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 9.215 ng
RT: 14.945 min Scan# 1967
Delta R.T. 0.411 min
Lab File: BG060663.D
Acq: 15 Mar 2024 13:46

Tgt Ion:165 Resp: 37000
Ion Ratio Lower Upper
165 100
63 0.0 55.8 83.6#
89 0.7 54.1 81.1#

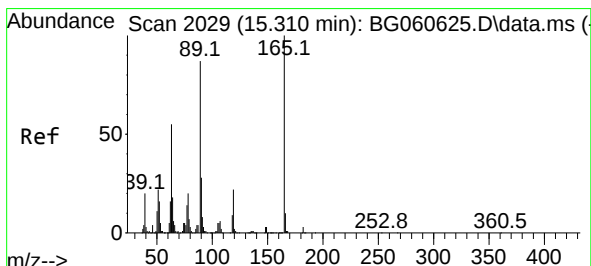
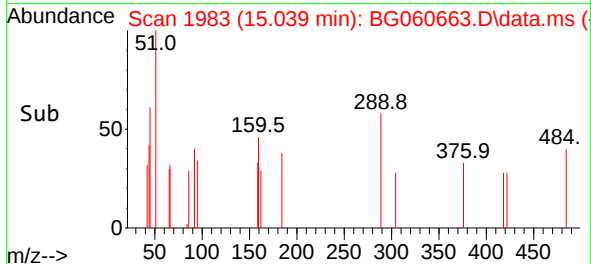
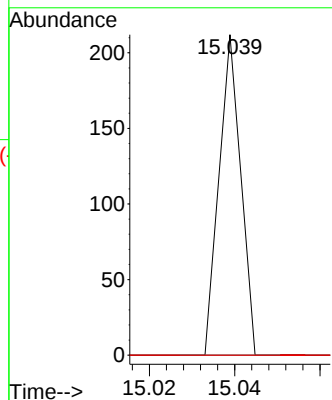
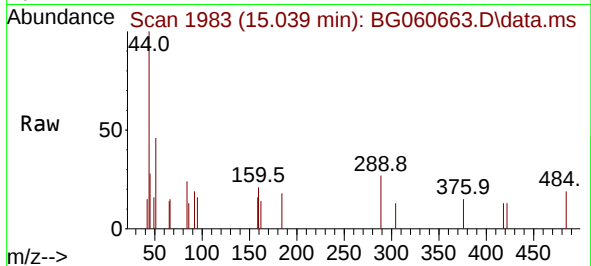




#54
2,4-Dinitrophenol
Concen: 6.877 ng
RT: 15.039 min Scan# 1983
Delta R.T. -0.030 min
Lab File: BG060663.D
Acq: 15 Mar 2024 13:46

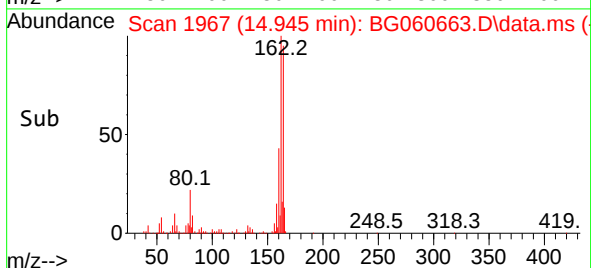
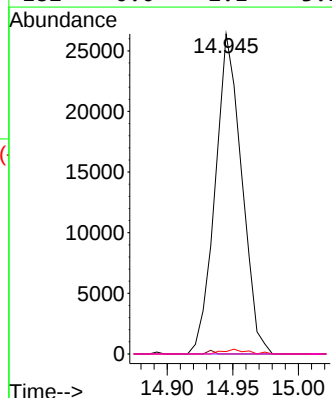
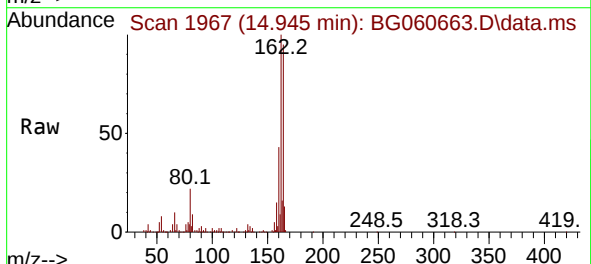
Instrument :
BNA_G
ClientSampleId :
MW-4

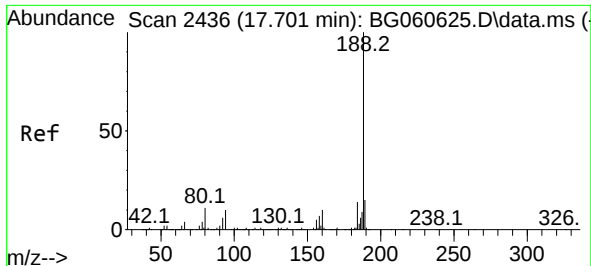
Tgt Ion:184 Resp: 75
Ion Ratio Lower Upper
184 100
63 0.0 54.4 81.6#
154 0.0 50.4 75.6#



#57
2,4-Dinitrotoluene
Concen: 7.325 ng
RT: 14.945 min Scan# 1967
Delta R.T. -0.365 min
Lab File: BG060663.D
Acq: 15 Mar 2024 13:46

Tgt Ion:165 Resp: 37000
Ion Ratio Lower Upper
165 100
63 0.0 44.1 66.1#
89 0.7 69.7 104.5#
182 0.0 2.1 3.1#

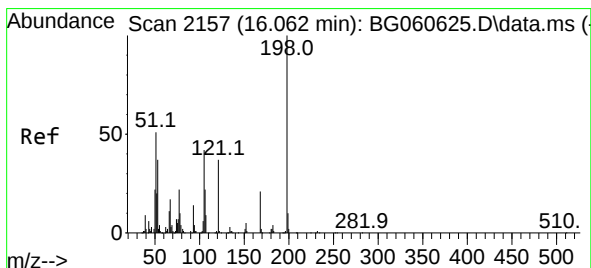
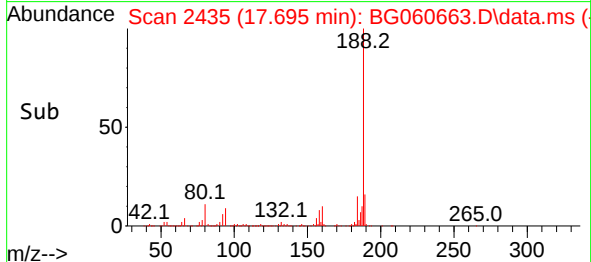
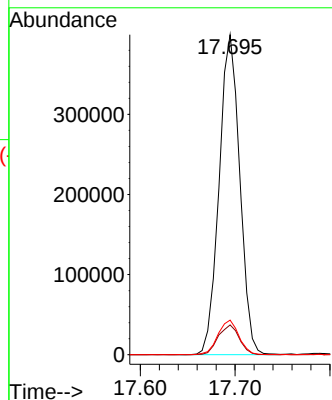
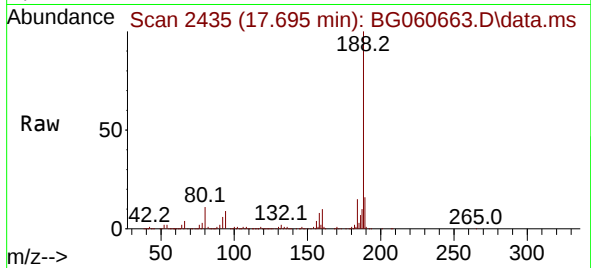




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.695 min Scan# 2436
Delta R.T. -0.007 min
Lab File: BG060663.D
Acq: 15 Mar 2024 13:46

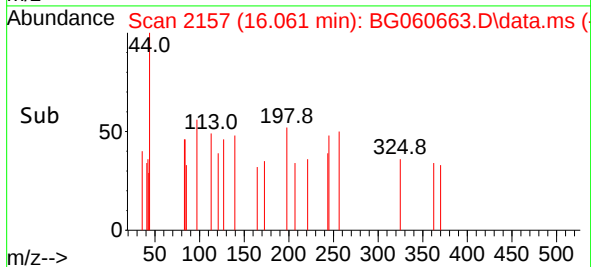
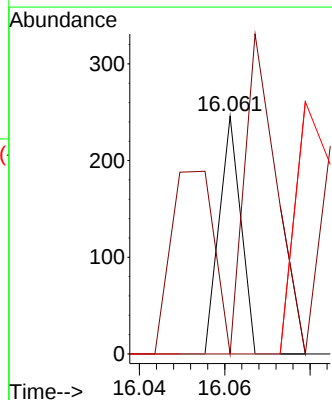
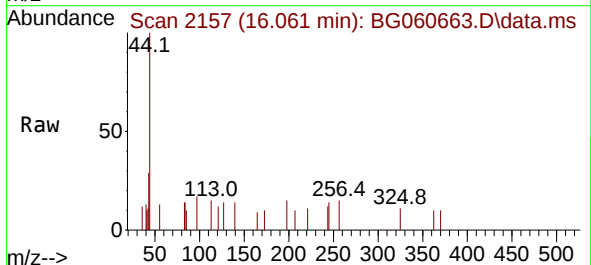
Instrument :
BNA_G
ClientSampleId :
MW-4

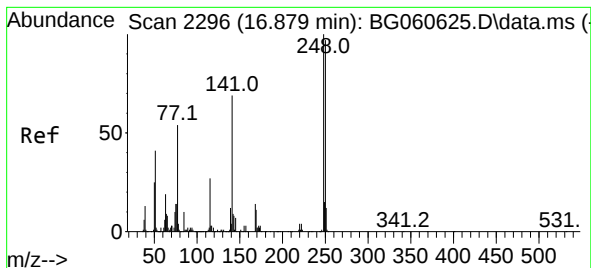
Tgt Ion:188 Resp: 605367
Ion Ratio Lower Upper
188 100
94 9.3 7.9 11.9
80 10.8 8.6 13.0



#65
4,6-Dinitro-2-methylphenol
Concen: 4.843 ng
RT: 16.061 min Scan# 2157
Delta R.T. -0.001 min
Lab File: BG060663.D
Acq: 15 Mar 2024 13:46

Tgt Ion:198 Resp: 87
Ion Ratio Lower Upper
198 100
51 0.0 36.9 76.9#
105 0.0 22.4 62.4#

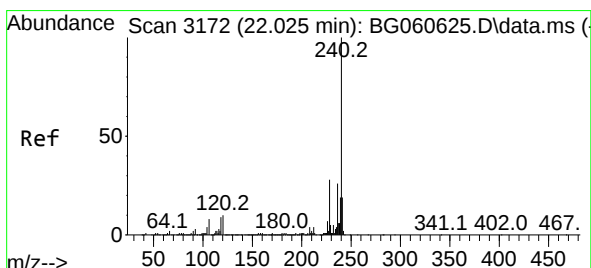
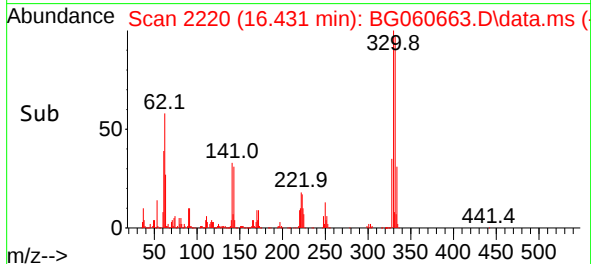
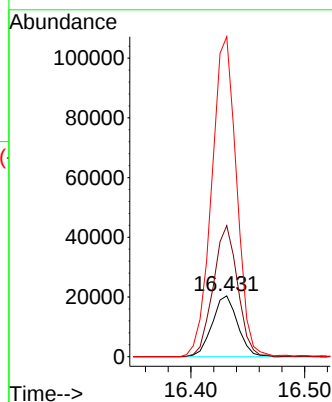
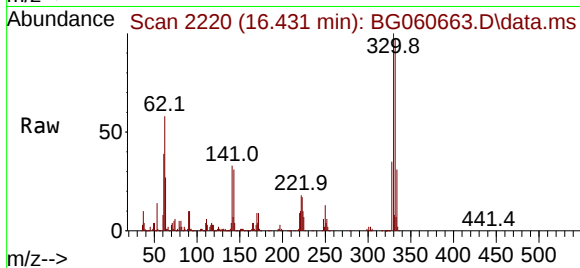




#67
4-Bromophenyl-phenylether
Concen: 4.844 ng
RT: 16.431 min Scan# 211
Delta R.T. -0.447 min
Lab File: BG060663.D
Acq: 15 Mar 2024 13:46

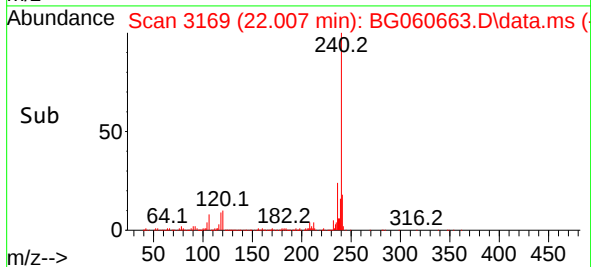
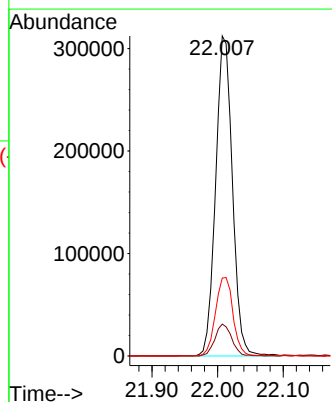
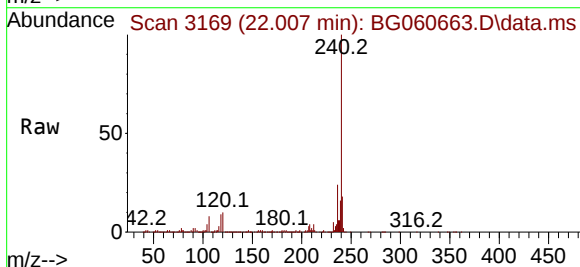
Instrument :
BNA_G
ClientSampleId :
MW-4

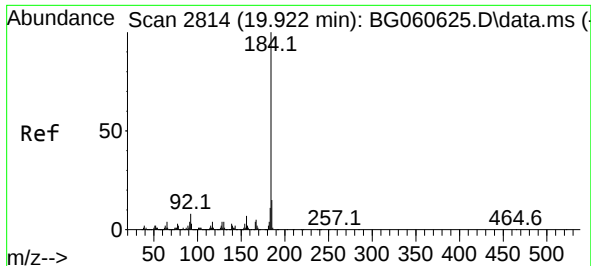
Tgt Ion:248 Resp: 31619
Ion Ratio Lower Upper
248 100
250 215.5 77.8 116.6#
141 525.9 55.1 82.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.007 min Scan# 3169
Delta R.T. -0.018 min
Lab File: BG060663.D
Acq: 15 Mar 2024 13:46

Tgt Ion:240 Resp: 552639
Ion Ratio Lower Upper
240 100
120 10.0 7.8 11.8
236 24.3 20.6 31.0

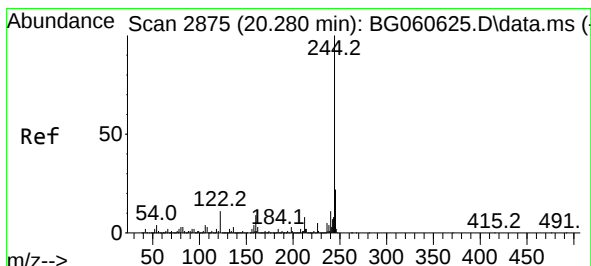
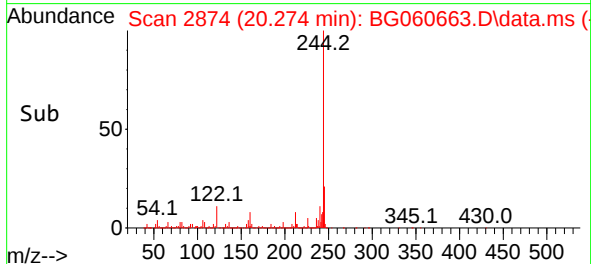
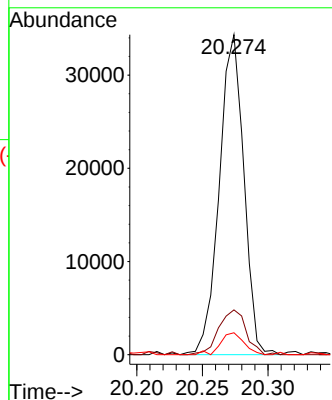
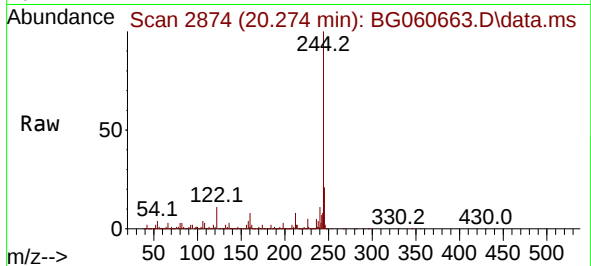




#77
Benzidine
Concen: 3.298 ng
RT: 20.274 min Scan# 2874
Delta R.T. 0.352 min
Lab File: BG060663.D
Acq: 15 Mar 2024 13:46

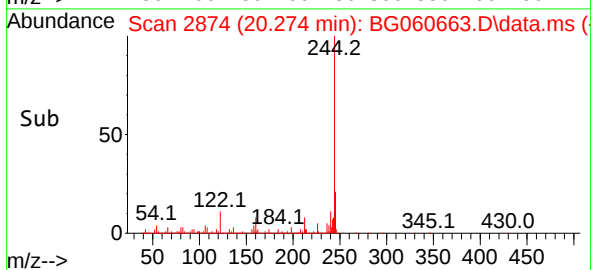
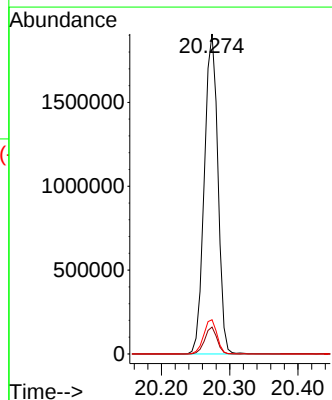
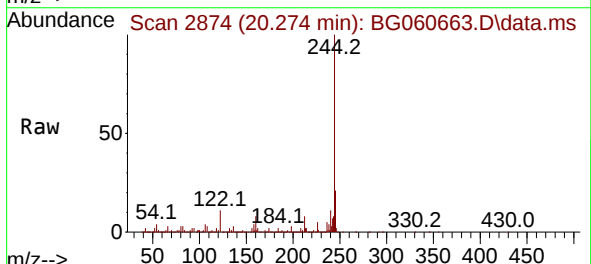
Instrument :
BNA_G
ClientSampleId :
MW-4

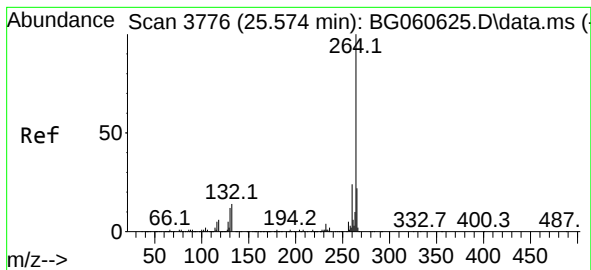
Tgt Ion:184 Resp: 44578
Ion Ratio Lower Upper
184 100
185 14.0 11.7 17.5
183 6.8 9.2 13.8#



#79
Terphenyl-d14
Concen: 86.306 ng
RT: 20.274 min Scan# 2874
Delta R.T. -0.006 min
Lab File: BG060663.D
Acq: 15 Mar 2024 13:46

Tgt Ion:244 Resp: 2638743
Ion Ratio Lower Upper
244 100
212 8.4 6.6 9.8
122 10.7 8.5 12.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.562 min Scan# 31
 Delta R.T. -0.012 min
 Lab File: BG060663.D
 Acq: 15 Mar 2024 13:46

Instrument :
 BNA_G
 ClientSampleId :
 MW-4

Tgt Ion:264 Resp: 624489
 Ion Ratio Lower Upper
 264 100
 260 25.4 19.4 29.2
 265 20.9 18.1 27.1

