

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102522\
 Data File : BG055273.D
 Acq On : 25 Oct 2022 12:36
 Operator : CG/JU
 Sample : N5222-16
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

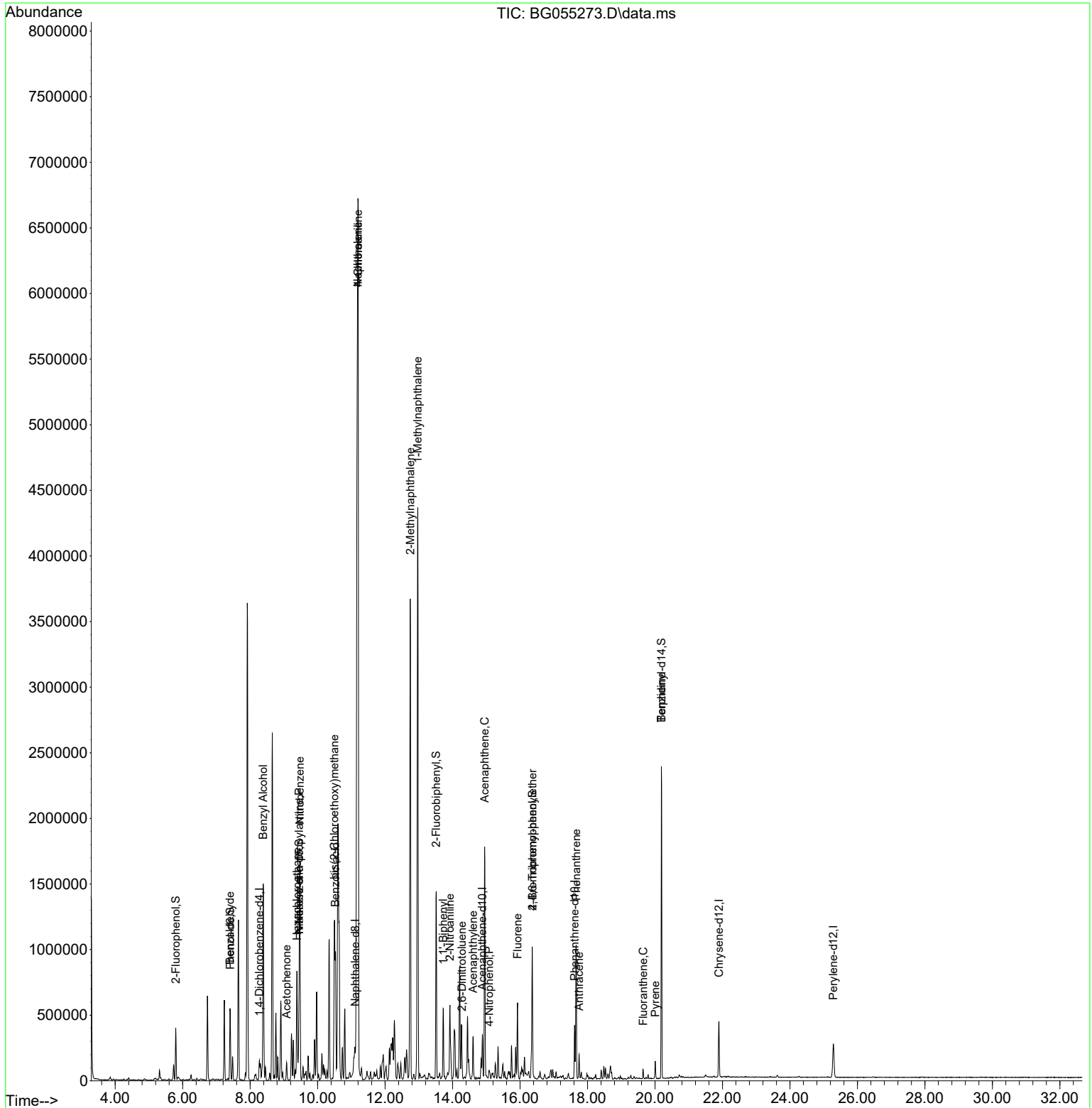
Quant Time: Oct 25 13:12:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 24 16:54:05 2022
 Response via : Initial Calibration

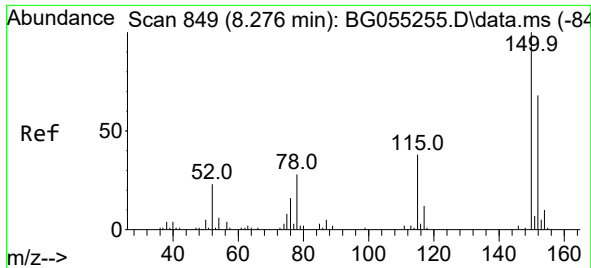
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.275	152	41879	20.000	ng	0.00
21) Naphthalene-d8	11.113	136	172861	20.000	ng	0.01
39) Acenaphthene-d10	14.885	164	111571	20.000	ng	0.00
64) Phenanthrene-d10	17.617	188	246119	20.000	ng	0.00
76) Chrysene-d12	21.895	240	252765	20.000	ng	0.00
86) Perylene-d12	25.285	264	263776	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	174733	73.056	ng	0.00
7) Phenol-d6	7.412	99	135566	39.123	ng	0.00
23) Nitrobenzene-d5	9.450	82	346966	102.494	ng	0.00
42) 2,4,6-Tribromophenol	16.366	330	190134	156.763	ng	0.00
45) 2-Fluorobiphenyl	13.516	172	724321	106.258	ng	0.00
79) Terphenyl-d14	20.191	244	1141797	93.854	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.406	77	28048	11.855	ng	# 1
15) Benzyl Alcohol	8.387	79	82393	28.414	ng	# 1
18) Hexachloroethane	9.392	117	87580	79.367	ng	# 1
19) n-Nitroso-di-n-propyla...	9.450	70	46512	16.164	ng	# 84
22) Acetophenone	9.080	105	90467	20.471	ng	# 56
24) Nitrobenzene	9.474	77	50364	14.288	ng	# 1
28) bis(2-Chloroethoxy)met...	10.496	93	8198	2.375	ng	# 49
31) Naphthalene	11.195	128	7703839	835.416	ng	# 79
32) Benzoic acid	10.526	122	898	4.593	ng	# 1
33) 4-Chloroaniline	11.201	127	1561867	396.168	ng	# 37
37) 2-Methylnaphthalene	12.747	142	1807868	271.916	ng	97
38) 1-Methylnaphthalene	12.970	142	2219600	338.393	ng	# 99
46) 1,1'-Biphenyl	13.722	154	283364	37.030	ng	99
48) 2-Nitroaniline	13.922	65	6830	2.894	ng	# 24
49) Acenaphthylene	14.609	152	27497	2.640	ng	# 28
51) 2,6-Dinitrotoluene	14.280	165	10565	5.927	ng	# 62
52) Acenaphthene	14.950	154	625431	94.193	ng	99
56) 4-Nitrophenol	15.085	139	4210	2.627	ng	# 20
58) Fluorene	15.925	166	251126	30.298	ng	99
67) 4-Bromophenyl-phenylether	16.366	248	12621	5.278	ng	# 1
71) Phenanthrene	17.664	178	642833	48.975	ng	98
72) Anthracene	17.753	178	119167	9.287	ng	99
75) Fluoranthene	19.650	202	41365	2.705	ng	98
77) Benzidine	20.191	184	18335	2.996	ng	# 90
78) Pyrene	20.009	202	79314	4.578	ng	98

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

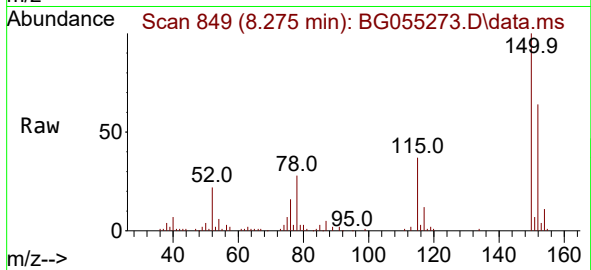
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 24 16:54:05 2022
Response via : Initial Calibration



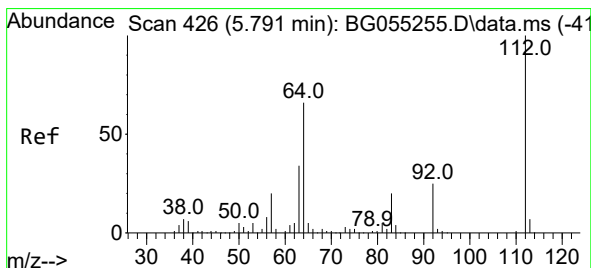
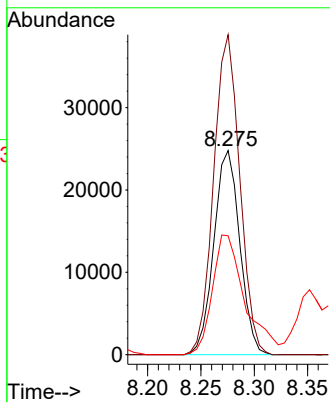
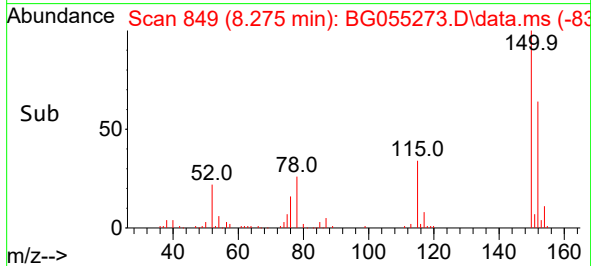


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.275 min Scan# 84
Delta R.T. -0.001 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

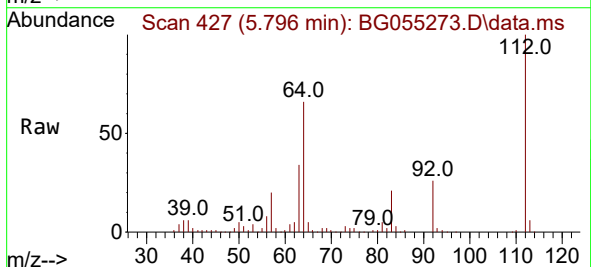
Instrument :
BNA_G
ClientSampleId :



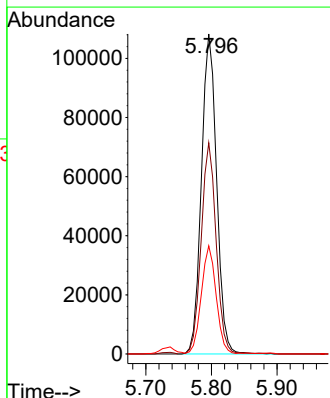
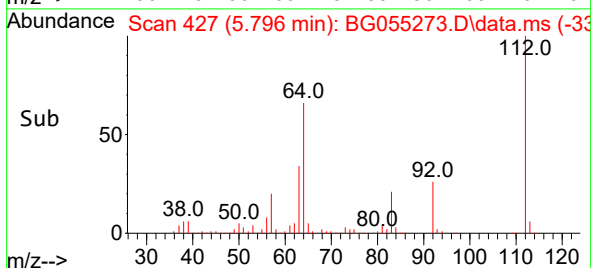
Tgt Ion:152 Resp: 41879
Ion Ratio Lower Upper
152 100
150 156.7 118.2 177.4
115 58.2 44.5 66.7

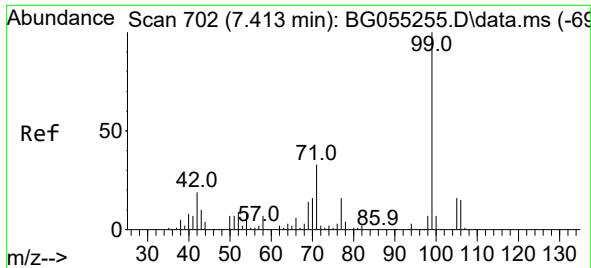


#5
2-Fluorophenol
Concen: 73.056 ng
RT: 5.796 min Scan# 427
Delta R.T. 0.005 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36



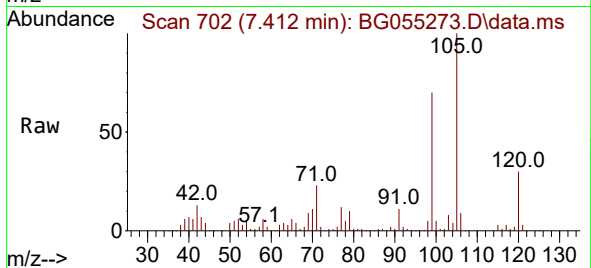
Tgt Ion:112 Resp: 174733
Ion Ratio Lower Upper
112 100
64 66.0 52.6 78.8
63 33.8 27.1 40.7



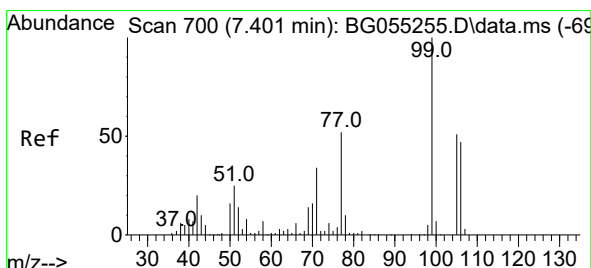
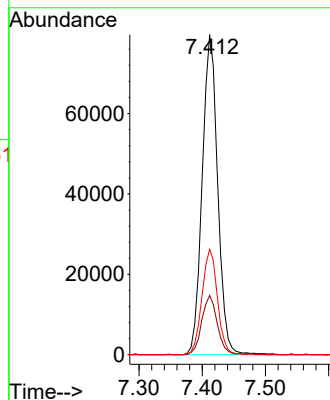
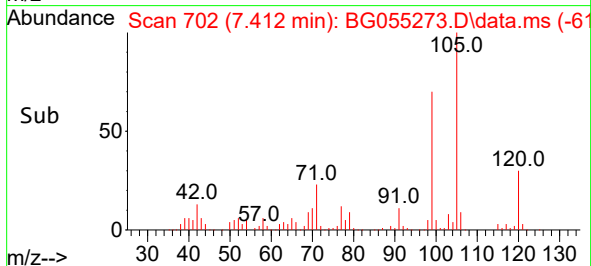


#7
Phenol-d6
Concen: 39.123 ng
RT: 7.412 min Scan# 702
Delta R.T. -0.001 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

Instrument :
BNA_G
ClientSampleId :

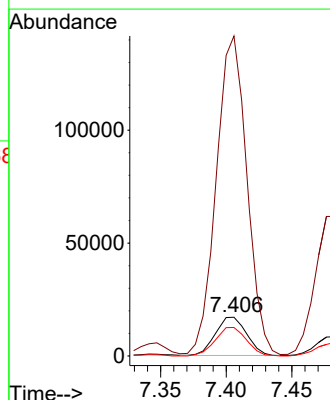
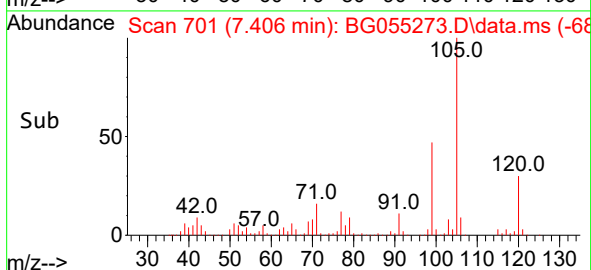
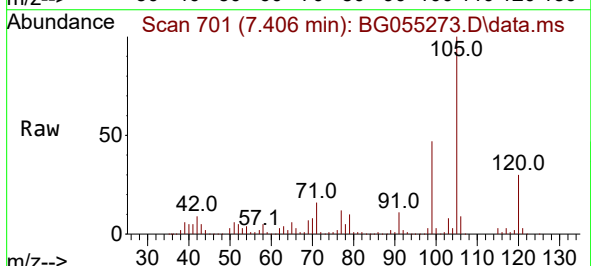


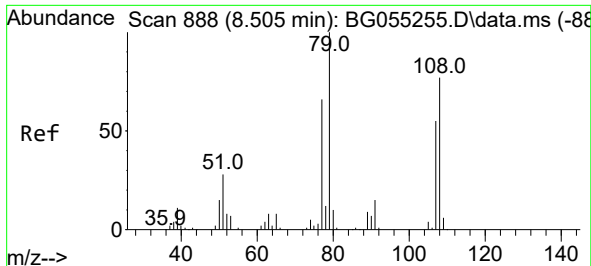
Tgt Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.2	22.8
71	33.0	26.2	39.4



#9
Benzaldehyde
Concen: 11.855 ng
RT: 7.406 min Scan# 701
Delta R.T. 0.005 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

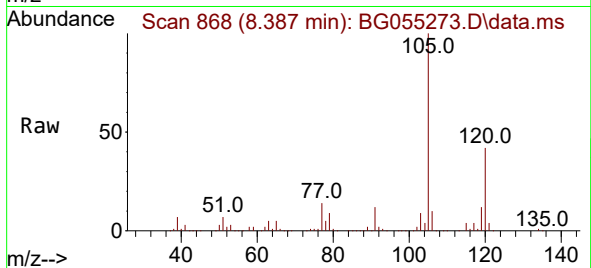
Tgt Ion	Ratio	Lower	Upper
77	100		
105	826.9	77.9	117.9#
106	73.6	69.9	109.9



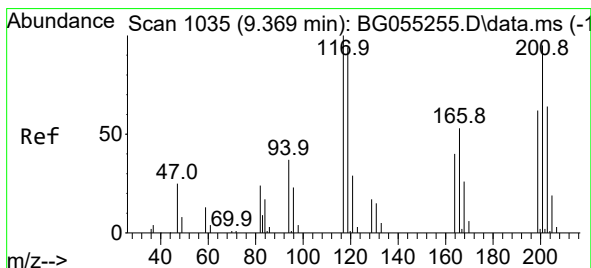
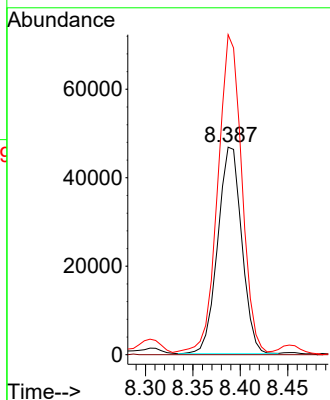
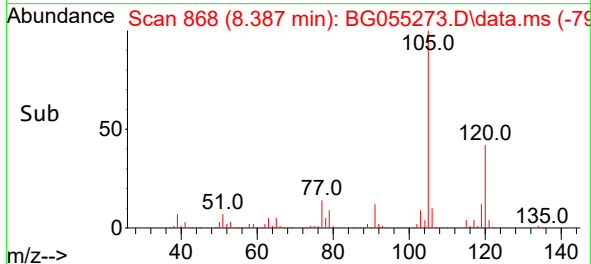


#15
Benzyl Alcohol
Concen: 28.414 ng
RT: 8.387 min Scan# 80
Delta R.T. -0.118 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

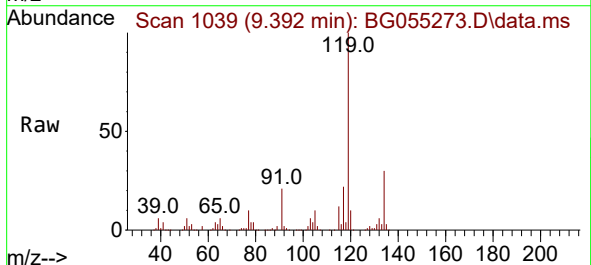
Instrument :
BNA_G
ClientSampleId :



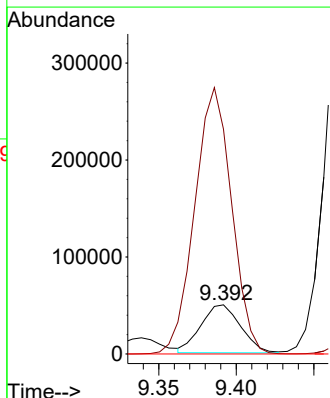
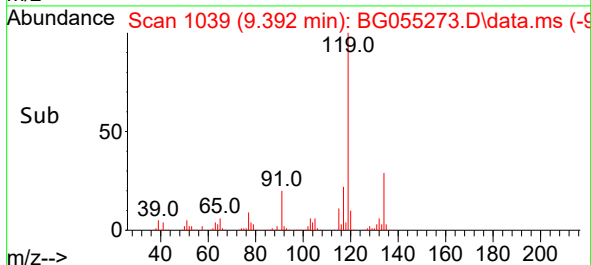
Tgt Ion: 79 Resp: 82393
Ion Ratio Lower Upper
79 100
108 0.0 61.3 91.9#
77 154.2 52.7 79.1#

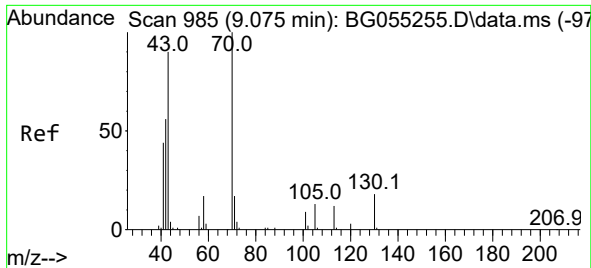


#18
Hexachloroethane
Concen: 79.367 ng
RT: 9.392 min Scan# 1039
Delta R.T. 0.023 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36



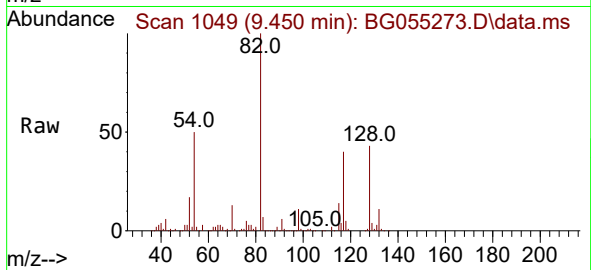
Tgt Ion: 117 Resp: 87580
Ion Ratio Lower Upper
117 100
119 457.5 75.4 113.2#
201 0.0 75.8 113.8#



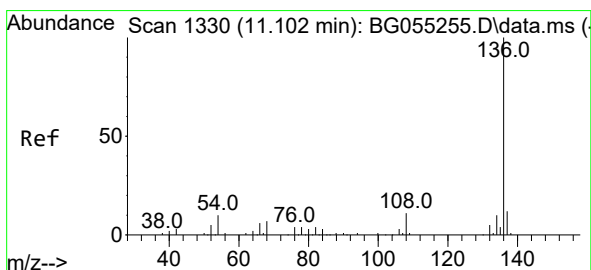
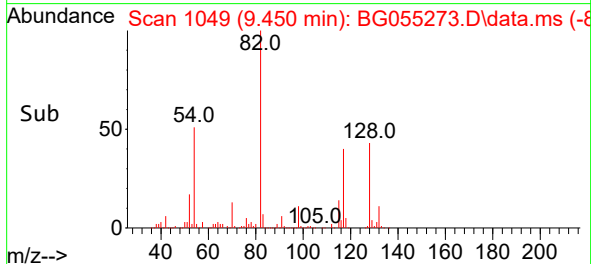
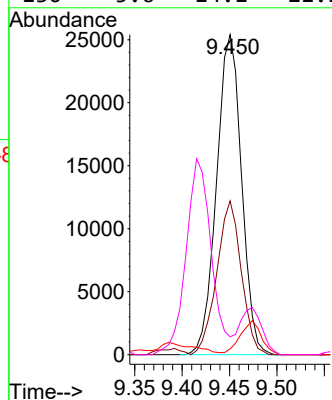


#19
n-Nitroso-di-n-propylamine
Concen: 16.164 ng
RT: 9.450 min Scan# 1049
Delta R.T. 0.375 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

Instrument :
BNA_G
ClientSampleId :

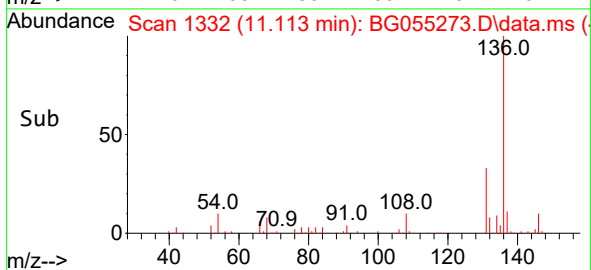
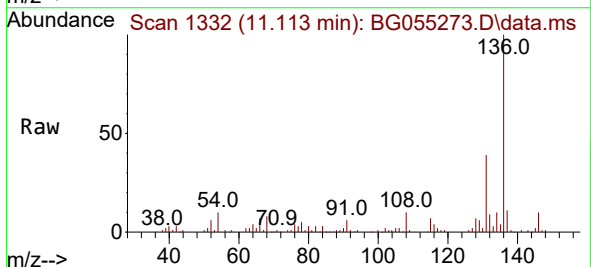
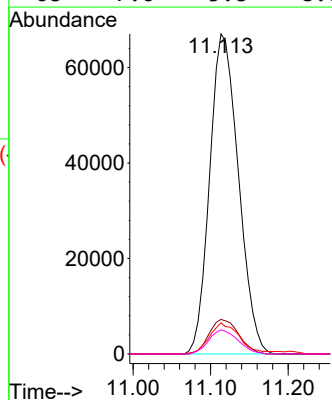


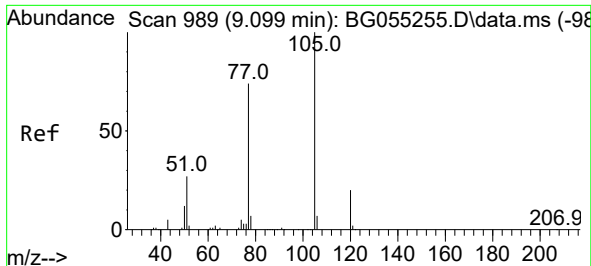
Tgt Ion: 70 Resp: 46512
Ion Ratio Lower Upper
70 100
42 48.1 45.8 68.6
101 1.8 7.4 11.0#
130 5.6 14.1 21.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.113 min Scan# 1332
Delta R.T. 0.011 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

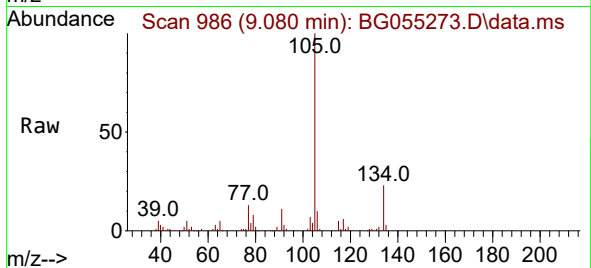
Tgt Ion: 136 Resp: 172861
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 9.7 7.8 11.8
68 7.6 5.8 8.6



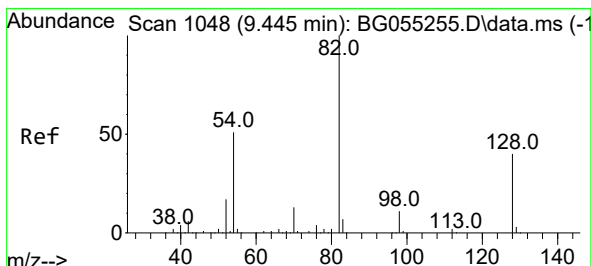
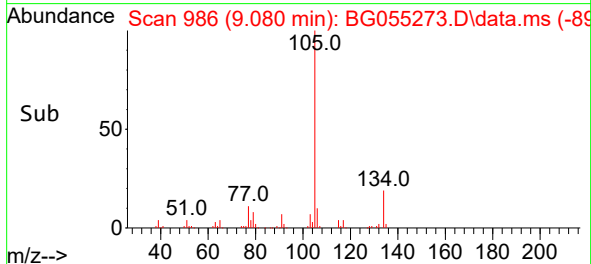
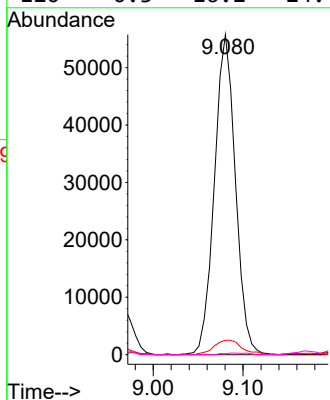


#22
Acetophenone
Concen: 20.471 ng
RT: 9.080 min Scan# 904
Delta R.T. -0.018 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

Instrument :
BNA_G
ClientSampleId :

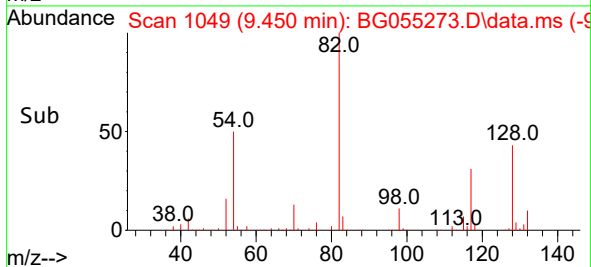
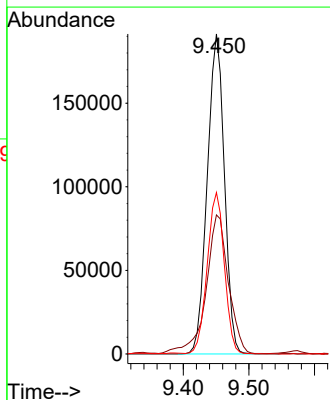
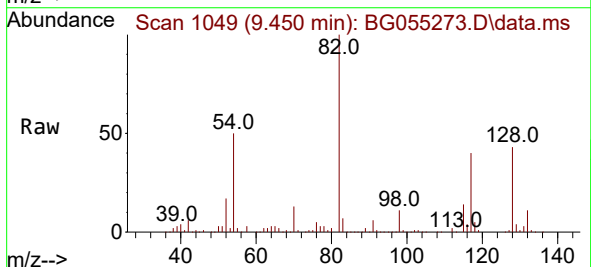


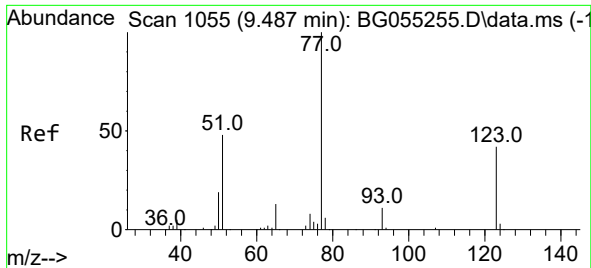
Tgt Ion:105 Resp: 90467
Ion Ratio Lower Upper
105 100
71 0.0 0.8 1.2#
51 4.5 22.9 34.3#
120 0.3 16.2 24.4#



#23
Nitrobenzene-d5
Concen: 102.494 ng
RT: 9.450 min Scan# 1049
Delta R.T. 0.005 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

Tgt Ion: 82 Resp: 346966
Ion Ratio Lower Upper
82 100
128 43.4 32.0 48.0
54 50.4 40.9 61.3

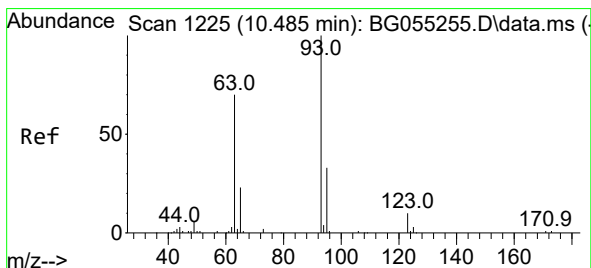
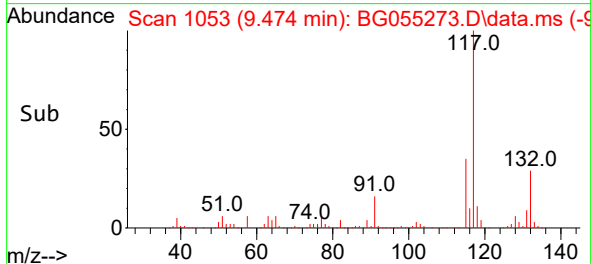
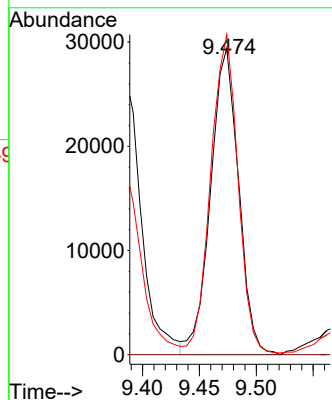
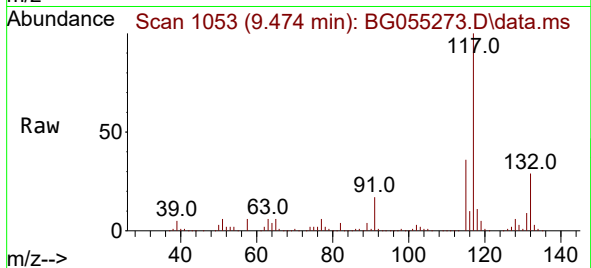




#24
Nitrobenzene
Concen: 14.288 ng
RT: 9.474 min Scan# 1053
Delta R.T. -0.013 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

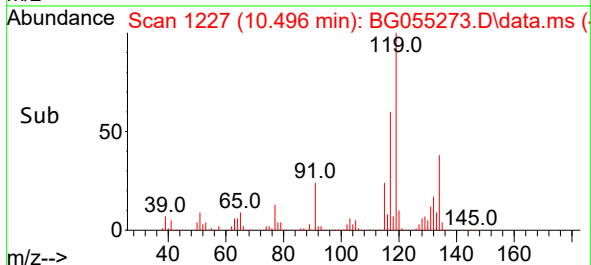
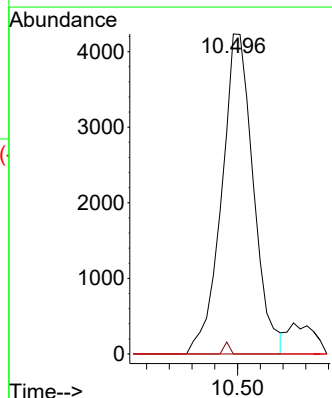
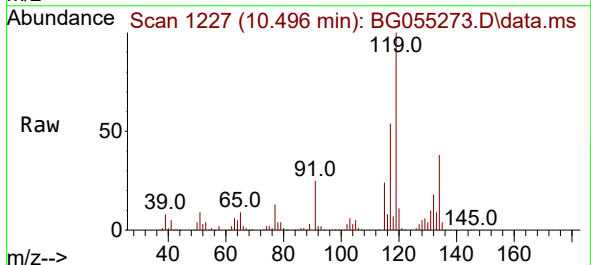
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ClientSampleId :

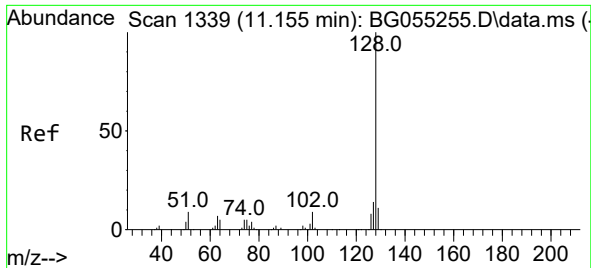
Tgt Ion: 77 Resp: 50364
Ion Ratio Lower Upper
77 100
123 0.0 33.6 50.4#
65 104.4 10.2 15.4#



#28
bis(2-Chloroethoxy)methane
Concen: 2.375 ng
RT: 10.496 min Scan# 1227
Delta R.T. 0.011 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

Tgt Ion: 93 Resp: 8198
Ion Ratio Lower Upper
93 100
95 0.0 26.3 39.5#
123 0.0 7.9 11.9#

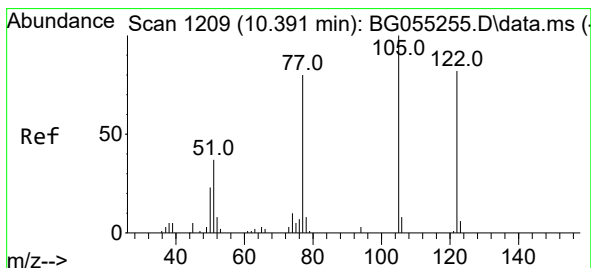
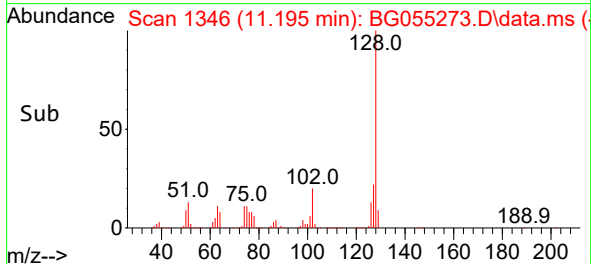
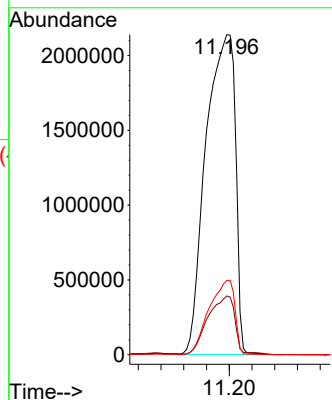
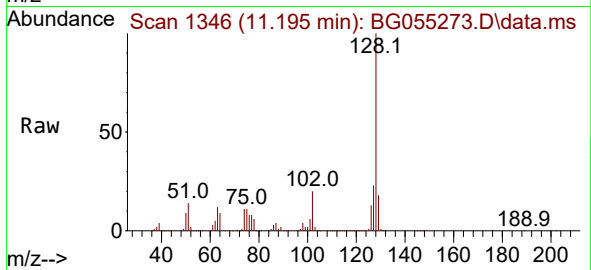




#31
Naphthalene
Concen: 835.416 ng
RT: 11.195 min Scan# 11
Delta R.T. 0.040 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

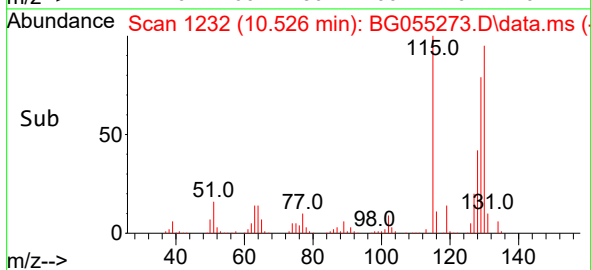
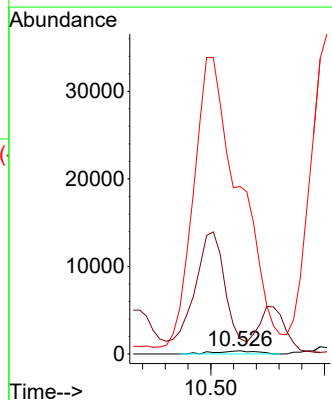
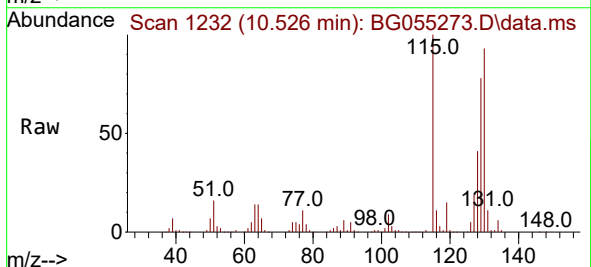
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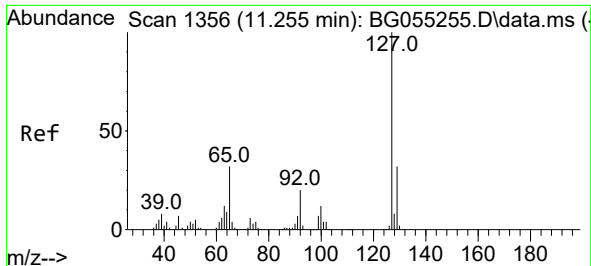
Tgt Ion:128 Resp: 7703839
Ion Ratio Lower Upper
128 100
129 18.4 9.0 13.6#
127 23.2 11.1 16.7#



#32
Benzoic acid
Concen: 4.593 ng
RT: 10.526 min Scan# 1232
Delta R.T. 0.135 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

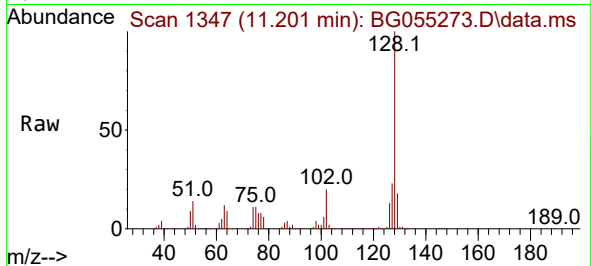
Tgt Ion:122 Resp: 898
Ion Ratio Lower Upper
122 100
105 468.6 101.3 141.3#
77 5132.4 76.9 116.9#



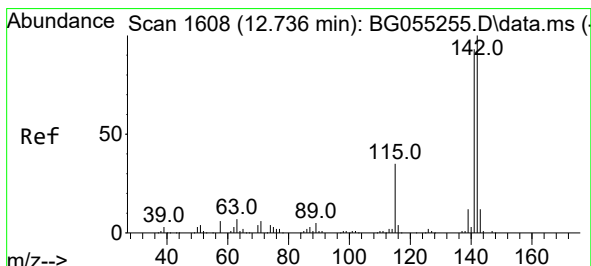
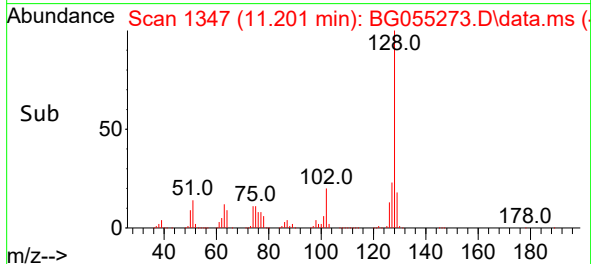
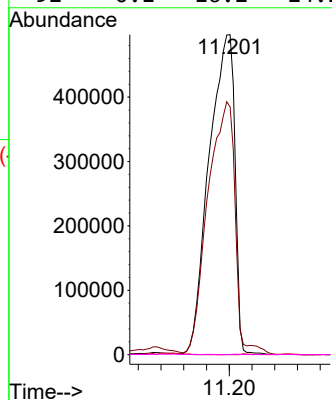


#33
4-Chloroaniline
Concen: 396.168 ng
RT: 11.201 min Scan# 11
Delta R.T. -0.054 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

Instrument :
BNA_G
ClientSampleId :

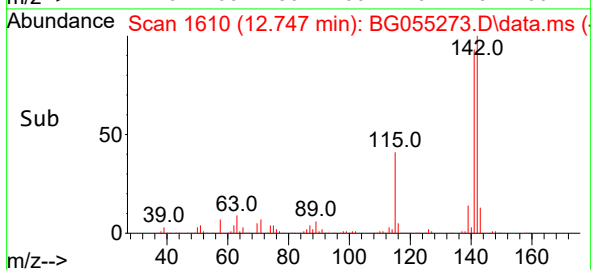
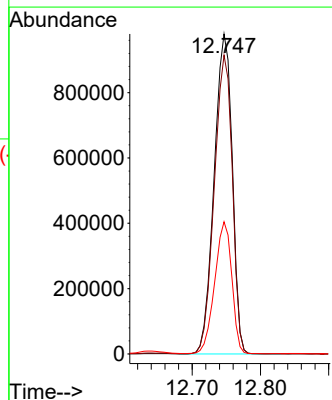
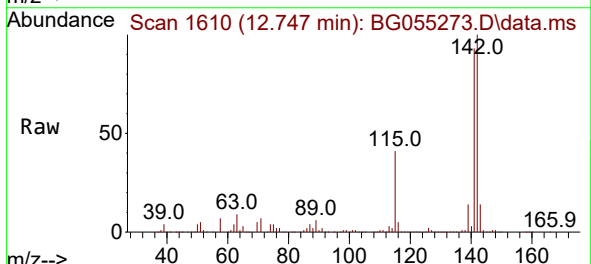


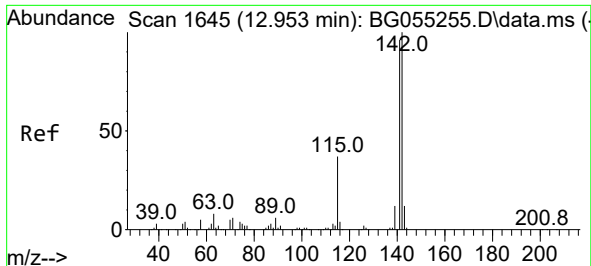
Tgt Ion:127 Resp: 1561867
Ion Ratio Lower Upper
127 100
129 77.4 25.4 38.0#
65 0.0 25.5 38.3#
92 0.1 16.2 24.2#



#37
2-Methylnaphthalene
Concen: 271.916 ng
RT: 12.747 min Scan# 1610
Delta R.T. 0.011 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

Tgt Ion:142 Resp: 1807868
Ion Ratio Lower Upper
142 100
141 93.3 74.0 111.0
115 41.3 28.3 42.5

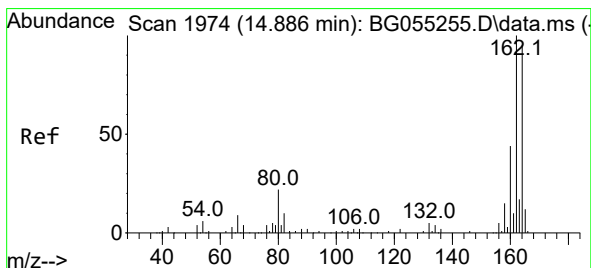
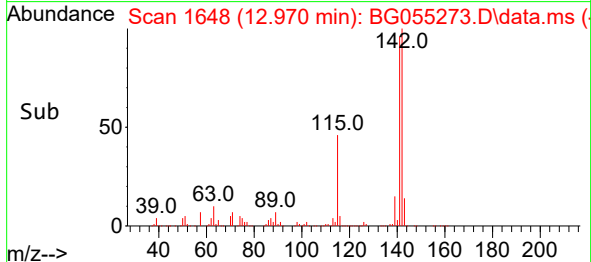
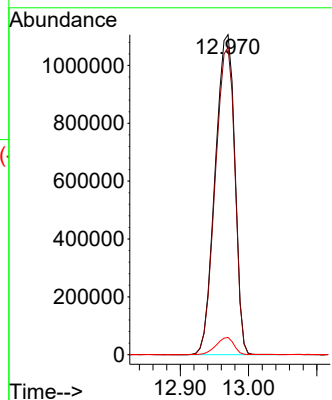
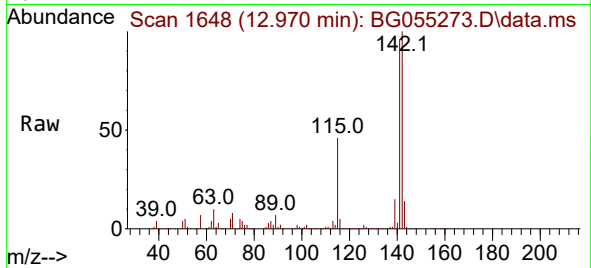




#38
1-Methylnaphthalene
Concen: 338.393 ng
RT: 12.970 min Scan# 1
Delta R.T. 0.017 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

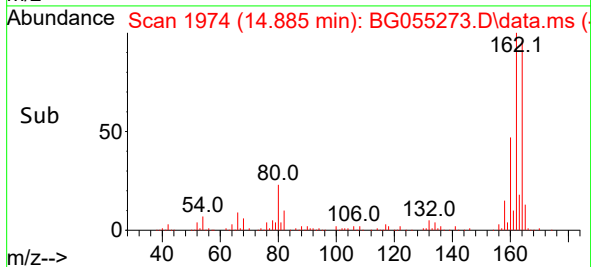
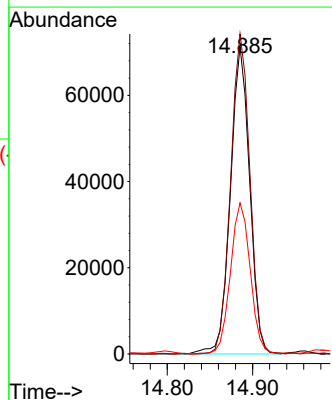
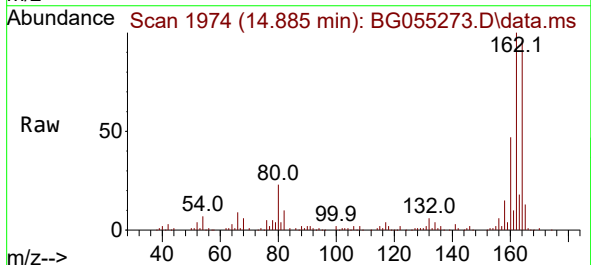
Instrument :
BNA_G
ClientSampleId :

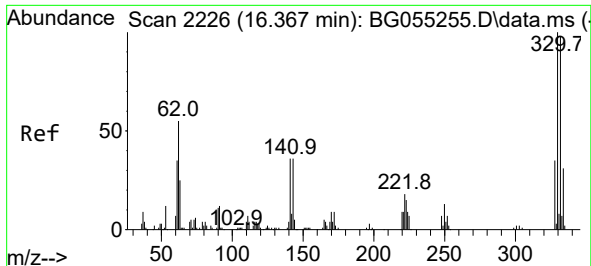
Tgt Ion:142 Resp: 2219600
Ion Ratio Lower Upper
142 100
141 96.0 77.1 115.7
116 5.4 3.0 4.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.885 min Scan# 1974
Delta R.T. -0.001 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

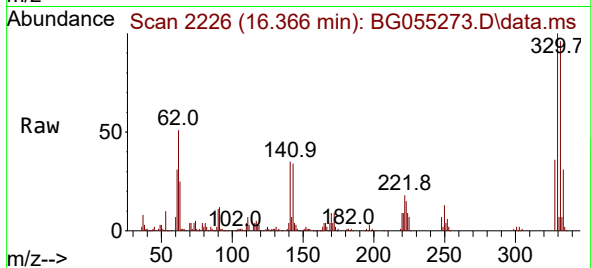
Tgt Ion:164 Resp: 111571
Ion Ratio Lower Upper
164 100
162 104.0 84.0 126.0
160 49.1 36.7 55.1



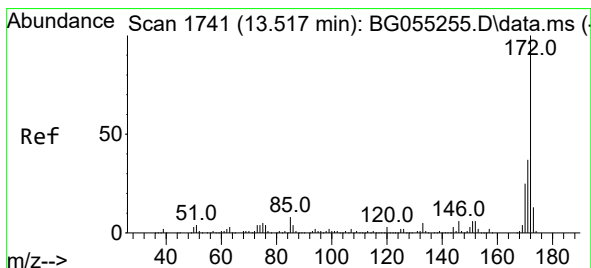
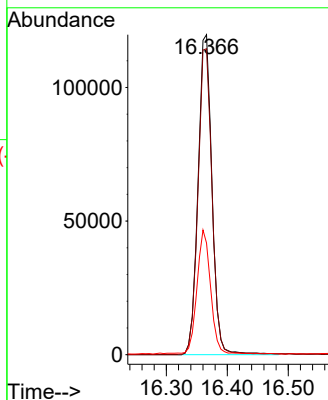
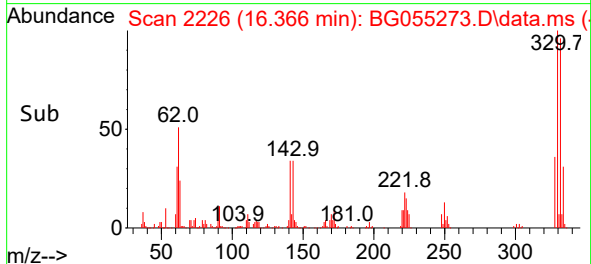


#42
2,4,6-Tribromophenol
Concen: 156.763 ng
RT: 16.366 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

Instrument :
BNA_G
ClientSampleId :

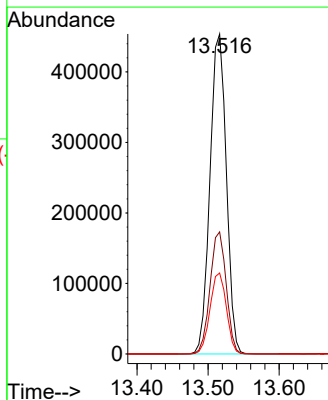
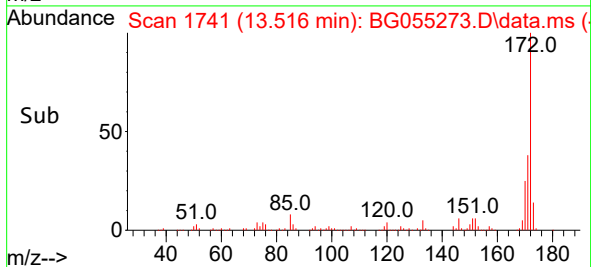
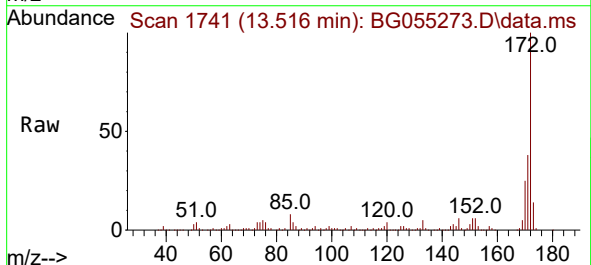


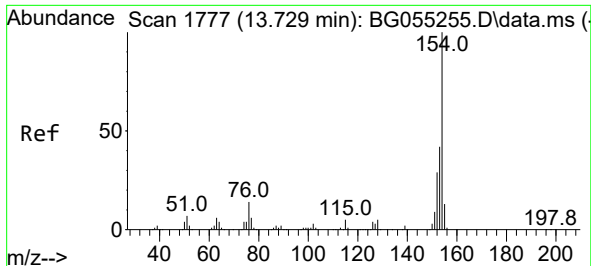
Tgt Ion:330 Resp: 190134
Ion Ratio Lower Upper
330 100
332 96.1 77.4 116.0
141 37.6 29.8 44.8



#45
2-Fluorobiphenyl
Concen: 106.258 ng
RT: 13.516 min Scan# 1741
Delta R.T. -0.001 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

Tgt Ion:172 Resp: 724321
Ion Ratio Lower Upper
172 100
171 38.2 29.7 44.5
170 25.3 20.2 30.2

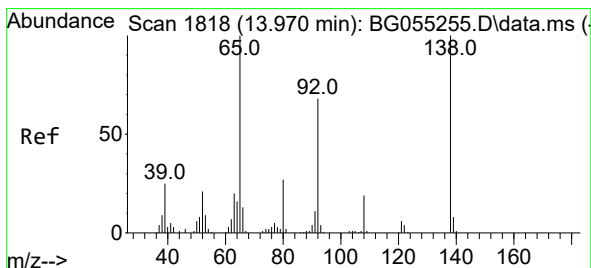
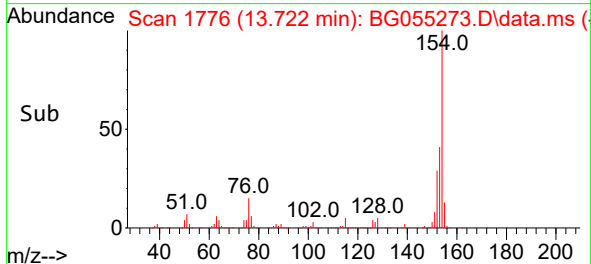
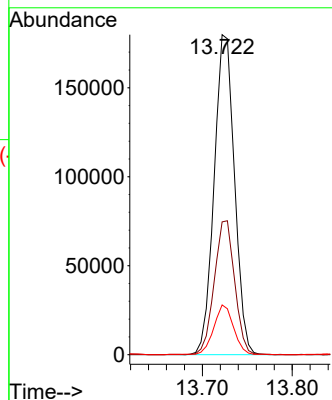
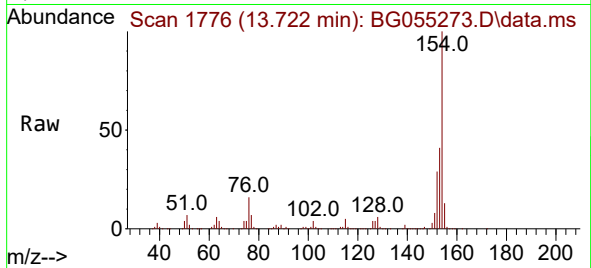




#46
1,1'-Biphenyl
Concen: 37.030 ng
RT: 13.722 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

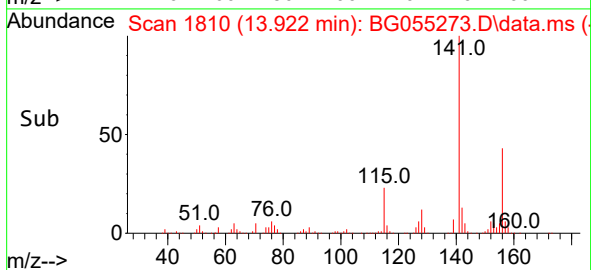
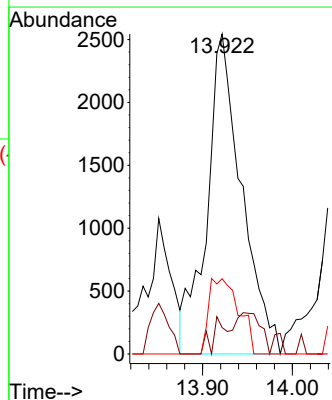
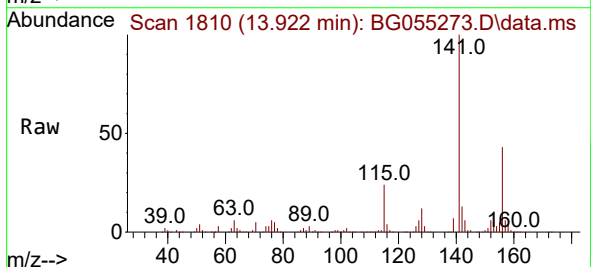
Instrument :
BNA_G
ClientSampleId :

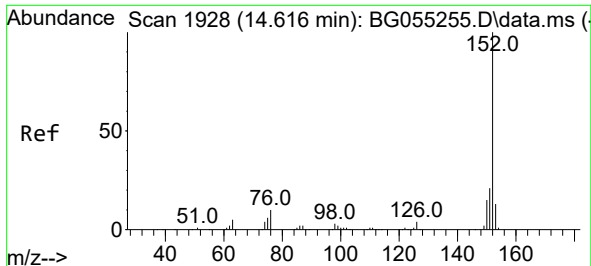
Tgt Ion:154 Resp: 283364
Ion Ratio Lower Upper
154 100
153 41.5 21.5 61.5
76 15.5 0.0 34.2



#48
2-Nitroaniline
Concen: 2.894 ng
RT: 13.922 min Scan# 1810
Delta R.T. -0.048 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

Tgt Ion: 65 Resp: 6830
Ion Ratio Lower Upper
65 100
92 8.3 54.6 82.0#
138 23.5 80.2 120.4#





#49

Acenaphthylene

Concen: 2.640 ng

RT: 14.609 min Scan# 1871

Delta R.T. -0.007 min

Lab File: BG055273.D

Acq: 25 Oct 2022 12:36

Instrument :

BNA_G

ClientSampleId :

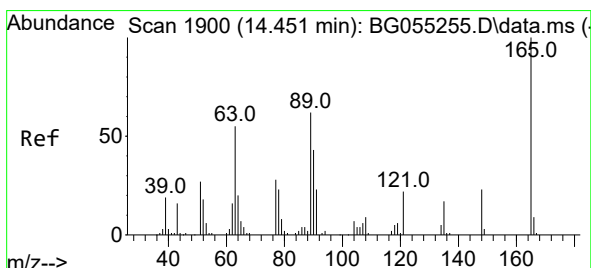
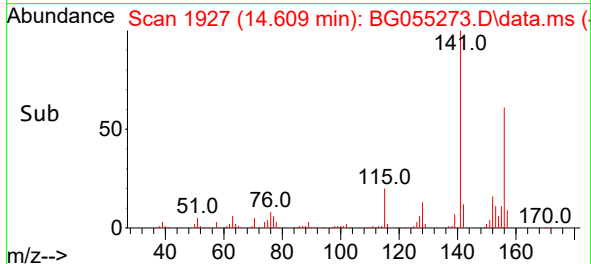
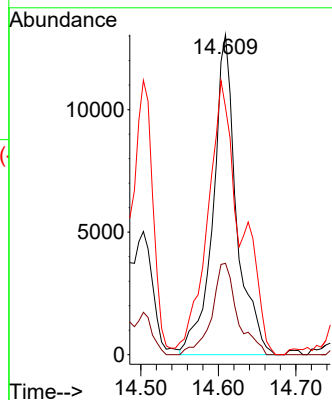
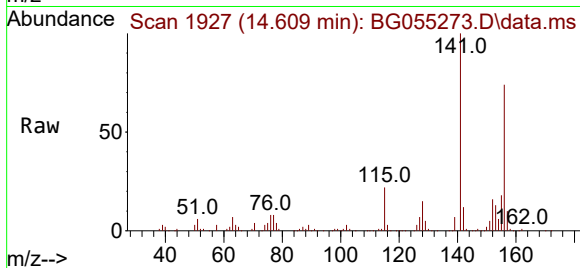
Tgt Ion:152 Resp: 27497

Ion Ratio Lower Upper

152 100

151 28.6 16.6 25.0#

153 77.3 10.5 15.7#



#51

2,6-Dinitrotoluene

Concen: 5.927 ng

RT: 14.280 min Scan# 1871

Delta R.T. -0.171 min

Lab File: BG055273.D

Acq: 25 Oct 2022 12:36

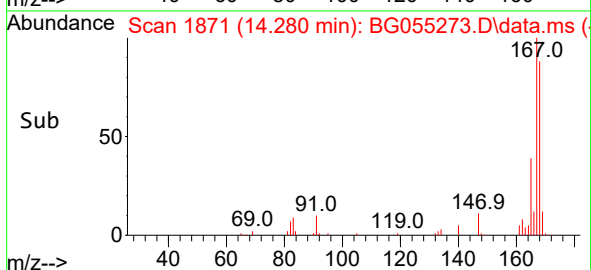
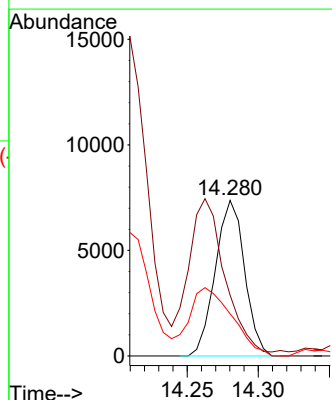
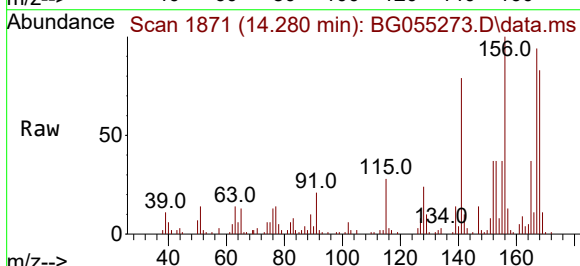
Tgt Ion:165 Resp: 10565

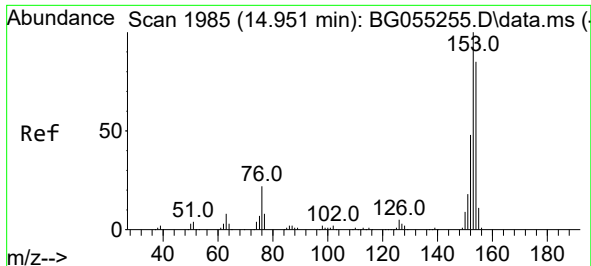
Ion Ratio Lower Upper

165 100

63 39.1 49.2 73.8#

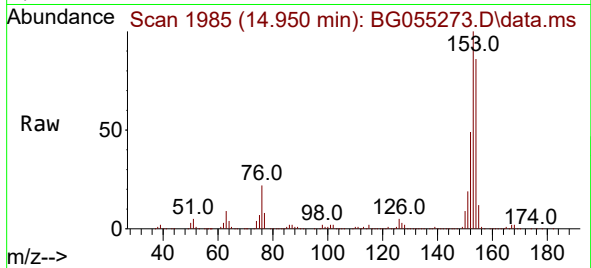
89 27.1 49.9 74.9#



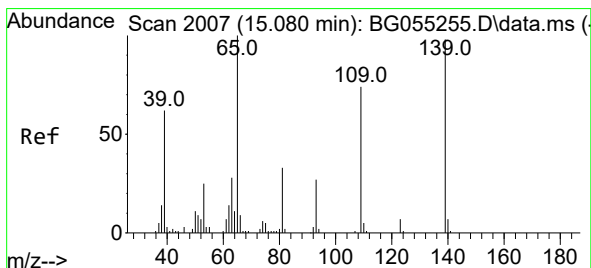
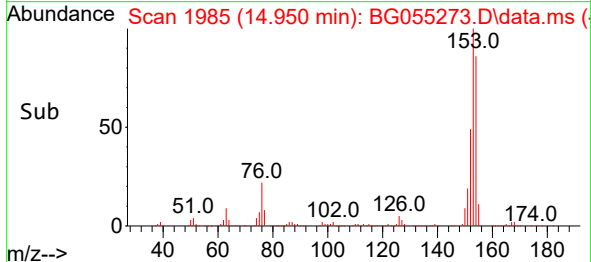
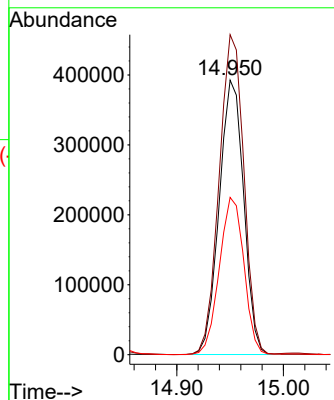


#52
Acenaphthene
Concen: 94.193 ng
RT: 14.950 min Scan# 1985
Delta R.T. -0.001 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

Instrument :
BNA_G
ClientSampleId :

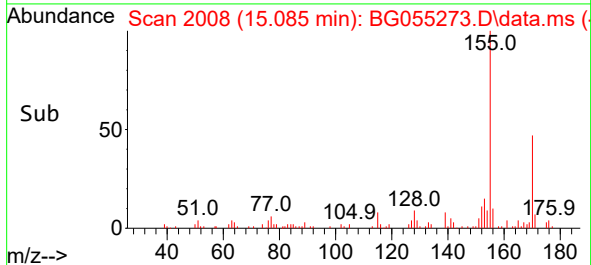
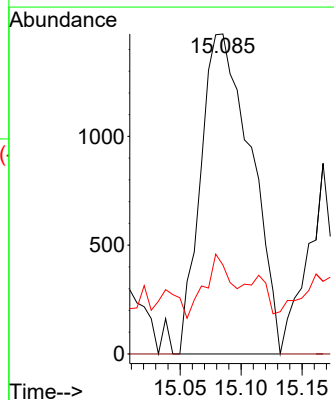
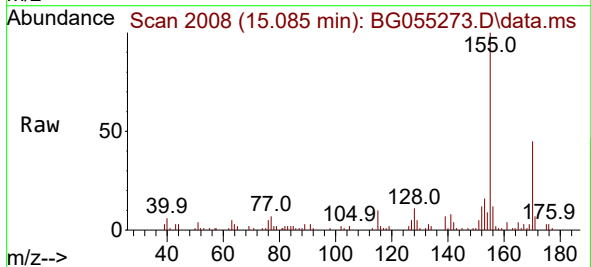


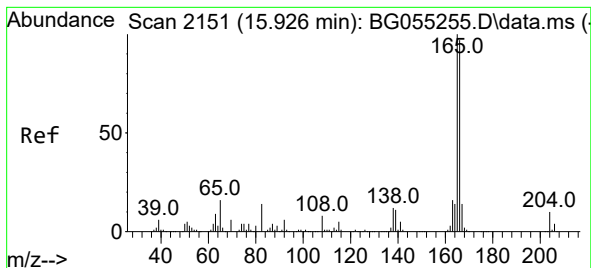
Tgt Ion:154 Resp: 625431
Ion Ratio Lower Upper
154 100
153 116.5 94.3 141.5
152 57.3 45.3 67.9



#56
4-Nitrophenol
Concen: 2.627 ng
RT: 15.085 min Scan# 2008
Delta R.T. 0.005 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

Tgt Ion:139 Resp: 4210
Ion Ratio Lower Upper
139 100
109 0.0 55.4 95.4#
65 27.8 81.6 121.6#





#58

Fluorene

Concen: 30.298 ng

RT: 15.925 min Scan# 2151

Delta R.T. -0.001 min

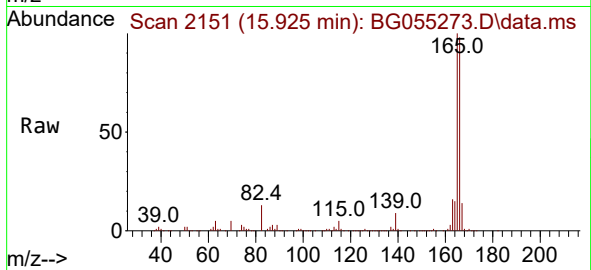
Lab File: BG055273.D

Acq: 25 Oct 2022 12:36

Instrument :

BNA_G

ClientSampleId :



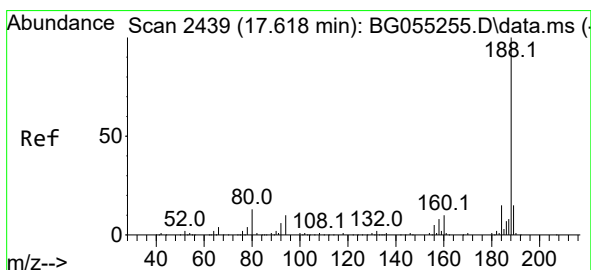
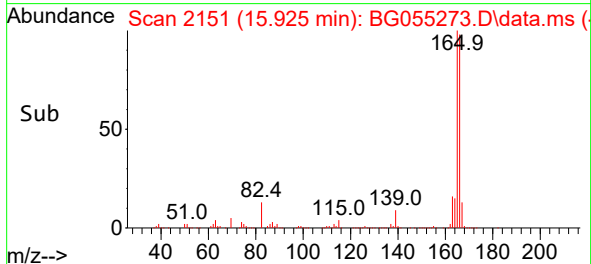
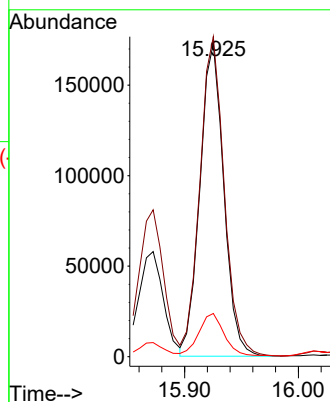
Tgt Ion:166 Resp: 251126

Ion Ratio Lower Upper

166 100

165 102.2 82.4 123.6

167 13.8 11.5 17.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.617 min Scan# 2439

Delta R.T. -0.001 min

Lab File: BG055273.D

Acq: 25 Oct 2022 12:36

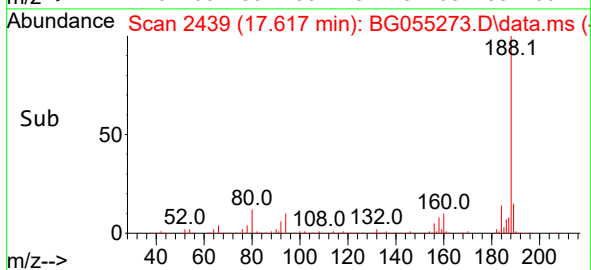
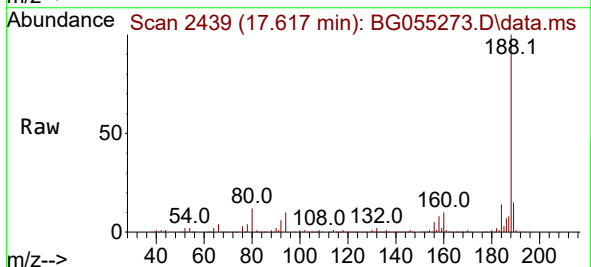
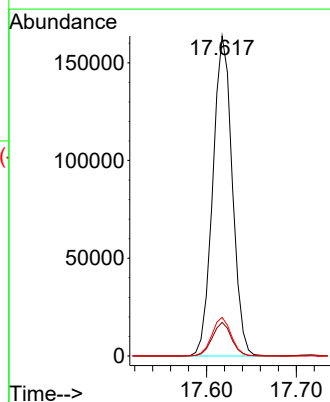
Tgt Ion:188 Resp: 246119

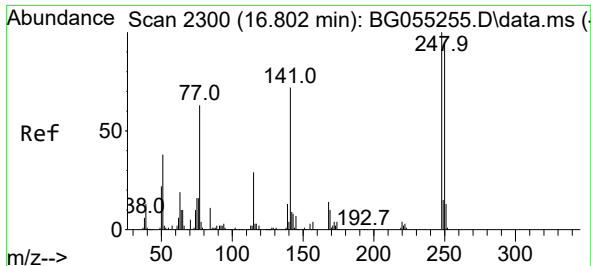
Ion Ratio Lower Upper

188 100

94 10.5 8.2 12.4

80 12.0 10.1 15.1

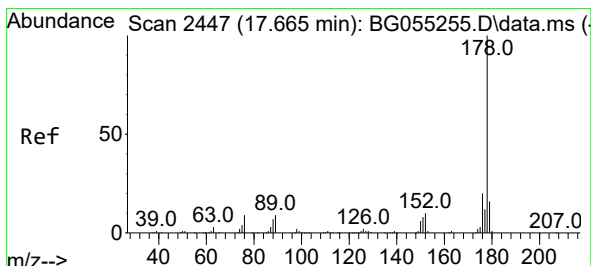
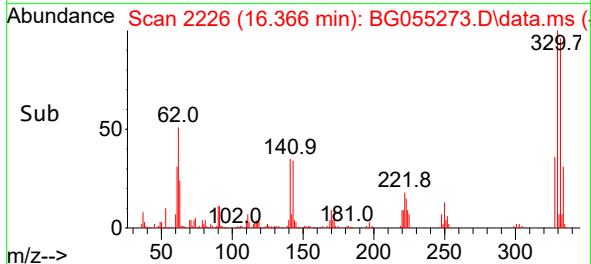
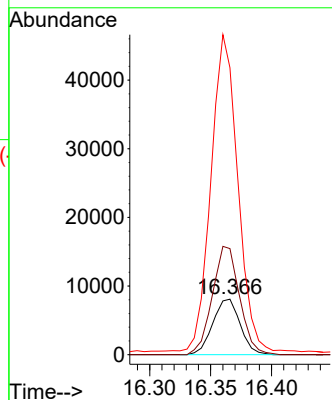
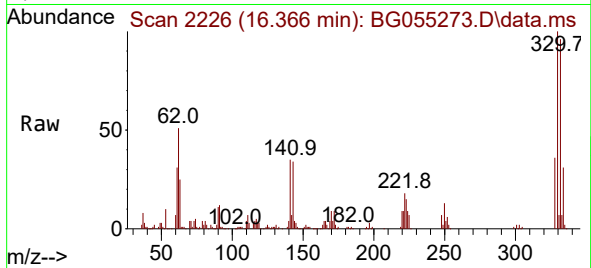




#67
4-Bromophenyl-phenylether
Concen: 5.278 ng
RT: 16.366 min Scan# 21
Delta R.T. -0.436 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

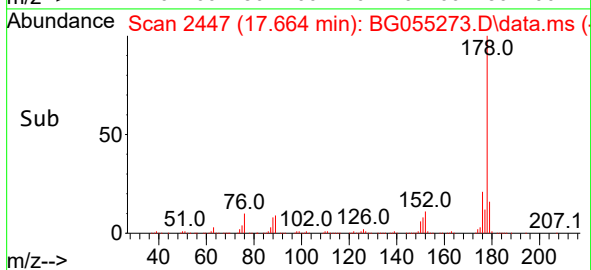
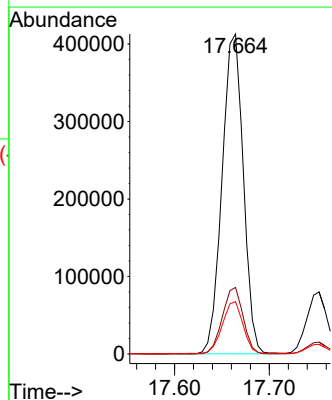
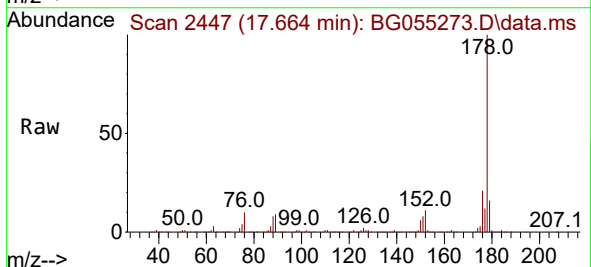
Instrument :
BNA_G
ClientSampleId :

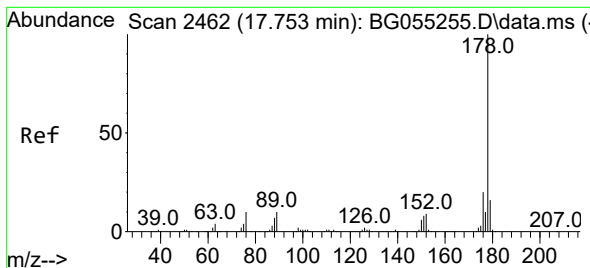
Tgt Ion:248 Resp: 12621
Ion Ratio Lower Upper
248 100
250 190.7 76.0 114.0#
141 516.0 58.0 87.0#



#71
Phenanthrene
Concen: 48.975 ng
RT: 17.664 min Scan# 2447
Delta R.T. -0.001 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

Tgt Ion:178 Resp: 642833
Ion Ratio Lower Upper
178 100
176 20.8 16.0 24.0
179 16.4 12.6 19.0





#72

Anthracene

Concen: 9.287 ng

RT: 17.753 min Scan# 2462

Delta R.T. -0.001 min

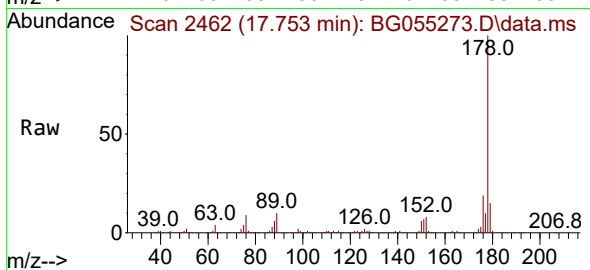
Lab File: BG055273.D

Acq: 25 Oct 2022 12:36

Instrument :

BNA_G

ClientSampleId :



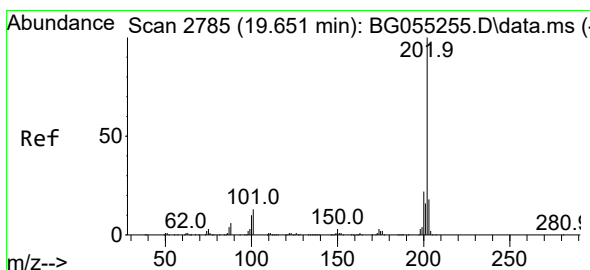
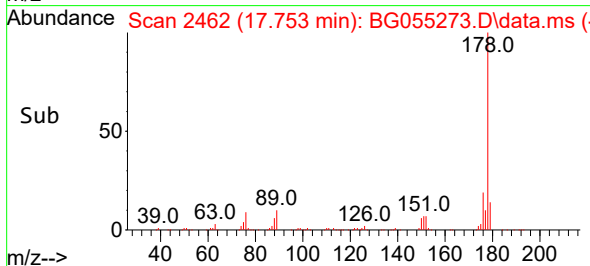
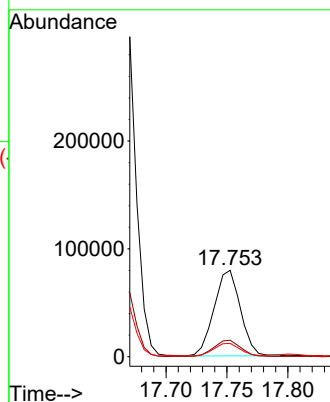
Tgt Ion:178 Resp: 119167

Ion Ratio Lower Upper

178 100

176 19.2 15.7 23.5

179 15.4 12.9 19.3



#75

Fluoranthene

Concen: 2.705 ng

RT: 19.650 min Scan# 2785

Delta R.T. -0.001 min

Lab File: BG055273.D

Acq: 25 Oct 2022 12:36

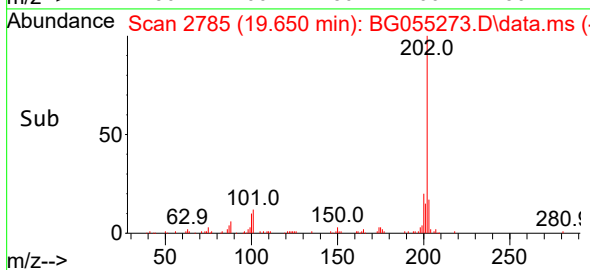
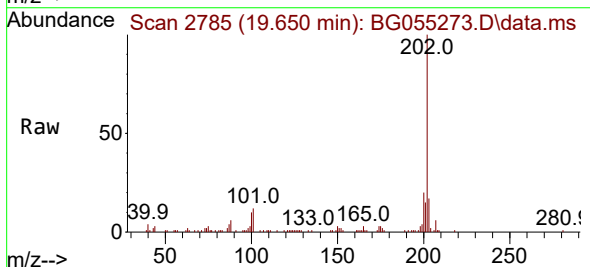
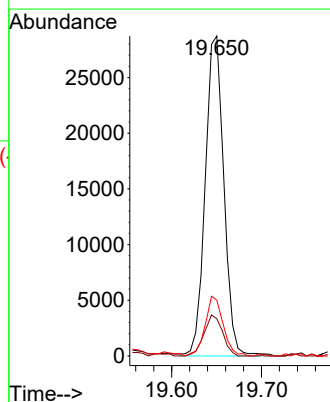
Tgt Ion:202 Resp: 41365

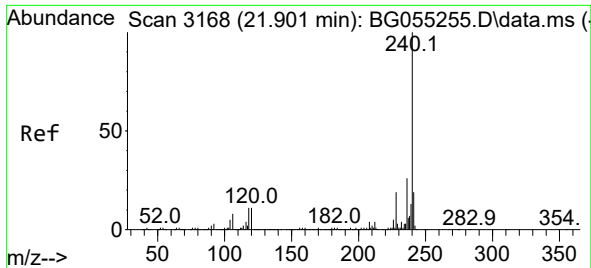
Ion Ratio Lower Upper

202 100

101 11.6 0.0 32.6

203 17.5 0.0 38.3

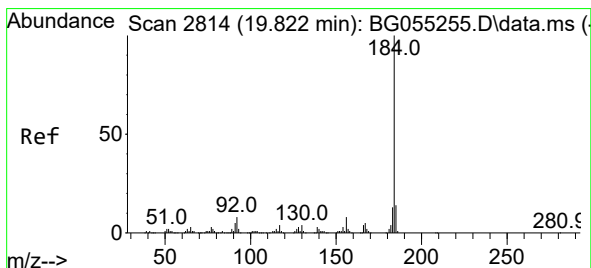
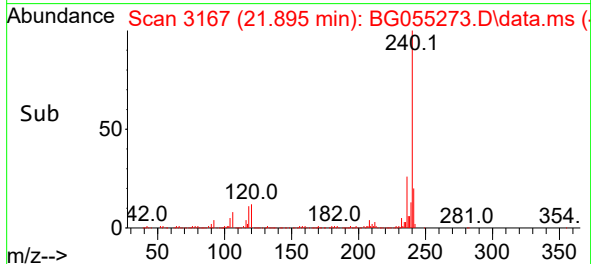
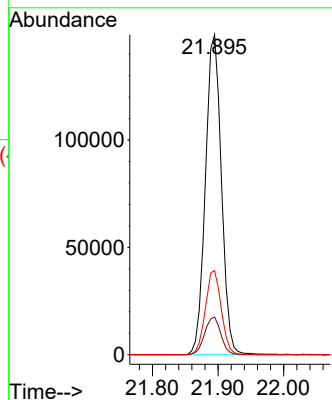
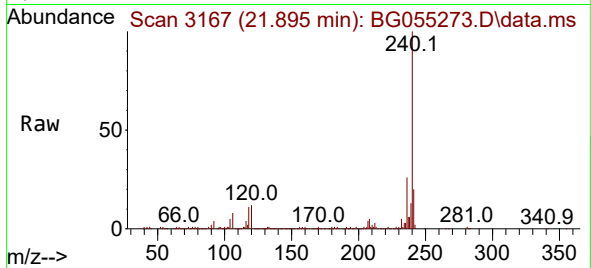




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.895 min Scan# 3168
Delta R.T. -0.007 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

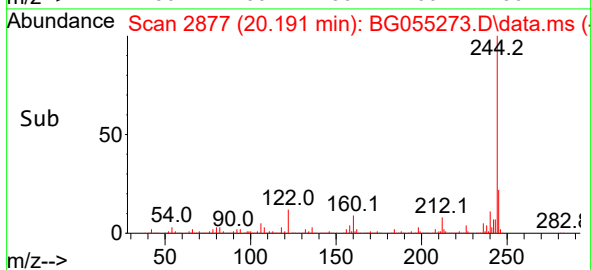
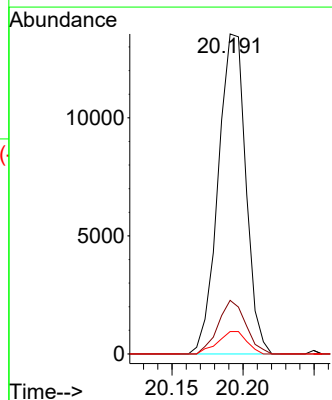
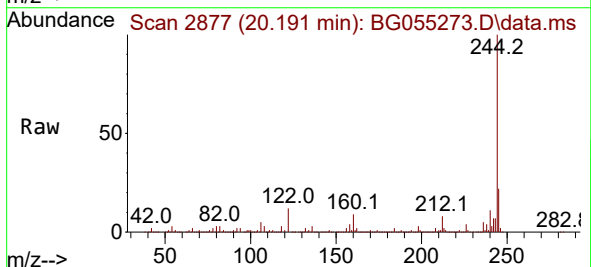
Instrument :
BNA_G
ClientSampleId :

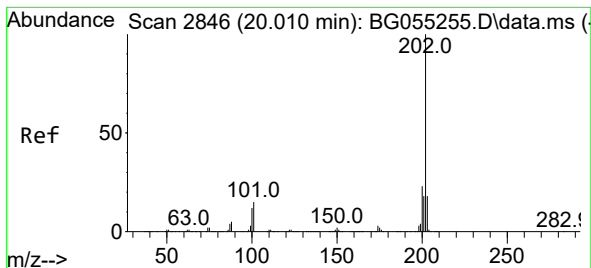
Tgt Ion:240 Resp: 252765
Ion Ratio Lower Upper
240 100
120 11.7 8.9 13.3
236 26.2 21.0 31.4



#77
Benzidine
Concen: 2.996 ng
RT: 20.191 min Scan# 2877
Delta R.T. 0.369 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

Tgt Ion:184 Resp: 18335
Ion Ratio Lower Upper
184 100
185 16.7 11.0 16.6#
183 7.0 10.0 15.0#





#78

Pyrene

Concen: 4.578 ng

RT: 20.009 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG055273.D

Acq: 25 Oct 2022 12:36

Instrument :

BNA_G

ClientSampleId :

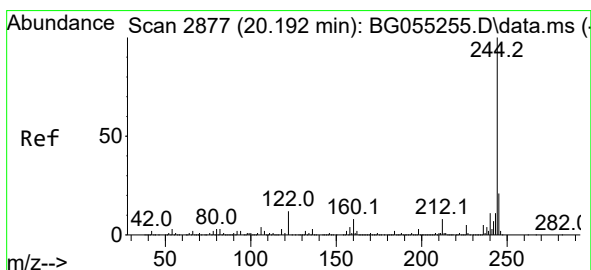
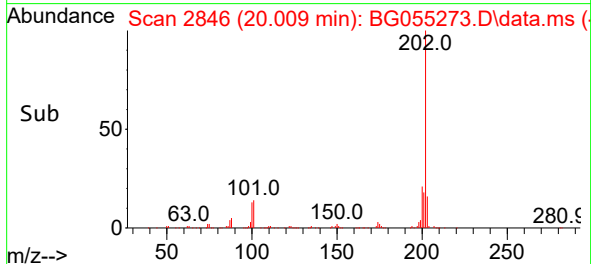
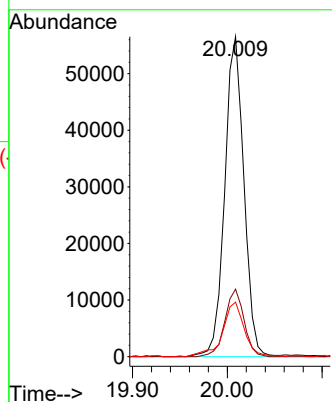
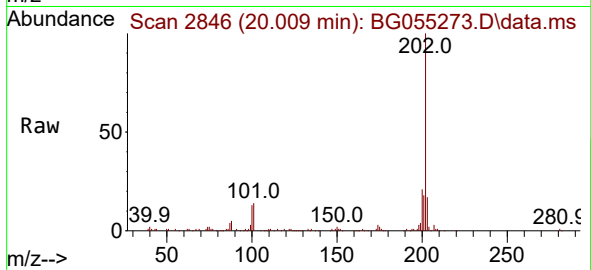
Tgt Ion:202 Resp: 79314

Ion Ratio Lower Upper

202 100

200 21.1 18.0 27.0

203 17.1 14.3 21.5



#79

Terphenyl-d14

Concen: 93.854 ng

RT: 20.191 min Scan# 2877

Delta R.T. -0.001 min

Lab File: BG055273.D

Acq: 25 Oct 2022 12:36

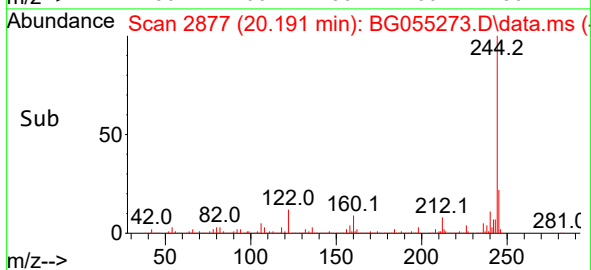
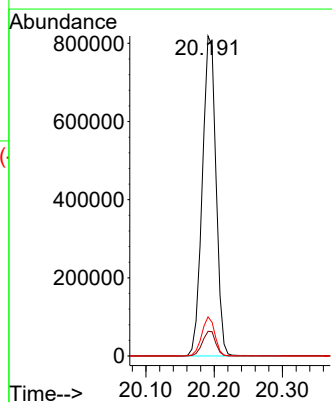
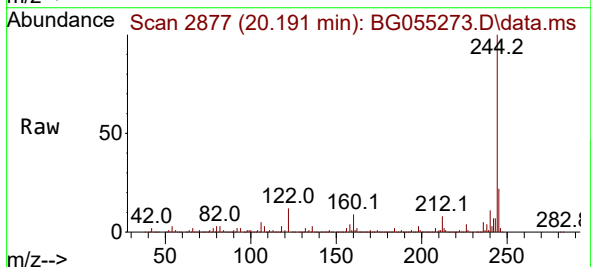
Tgt Ion:244 Resp: 1141797

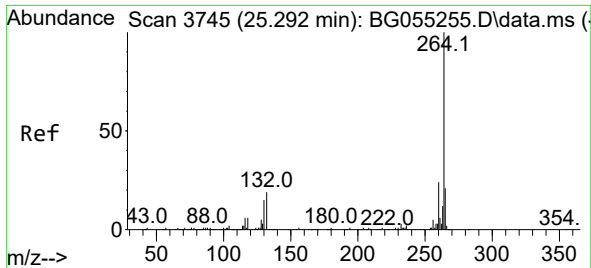
Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

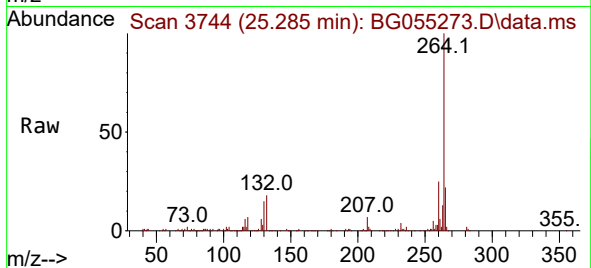
122 12.2 9.6 14.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.285 min Scan# 31
 Delta R.T. -0.007 min
 Lab File: BG055273.D
 Acq: 25 Oct 2022 12:36

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:264 Resp: 263776
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.5 29.3
 265 21.5 17.4 26.2

