

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 :
 MW-14

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)

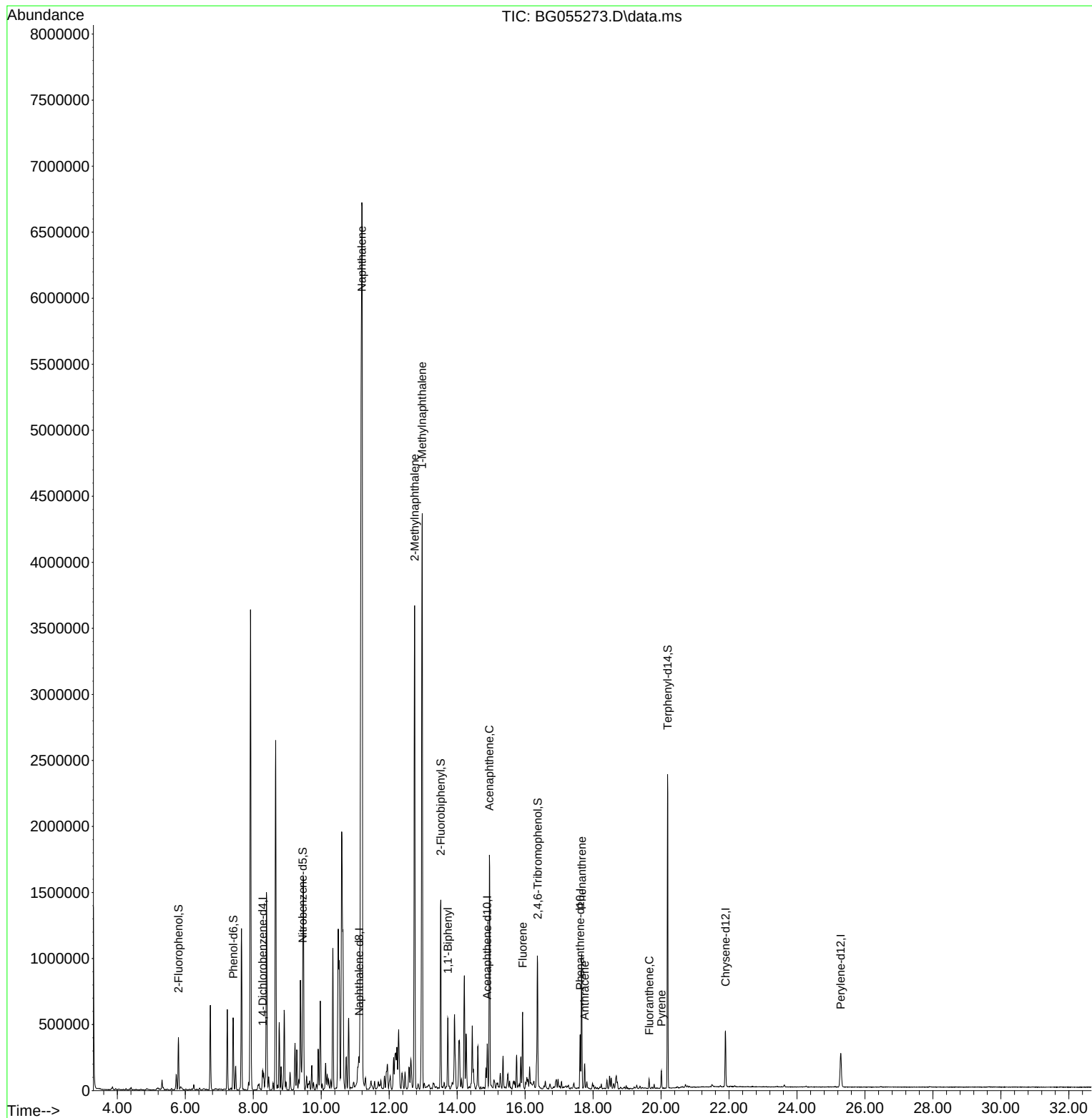
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.275	152	41879	20.000	ng	0.00
21) Naphthalene-d8	11.113	136	172861	20.000	ng	0.01
39) Acenaphthene-d10	14.885	164	111571	20.000	ng	0.00
64) Phenanthrene-d10	17.617	188	246119	20.000	ng	0.00
76) Chrysene-d12	21.895	240	252765	20.000	ng	0.00
86) Perylene-d12	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
31) Naphthalene	11.195	128	7703839	835.416	ng	# 79
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
52) Acenaphthene	14.950	154	625431	94.193	ng	99
58) Fluorene	15.925	166	251126	30.298	ng	99
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
78) Pyrene	20.009	202	79314	4.578	ng	98

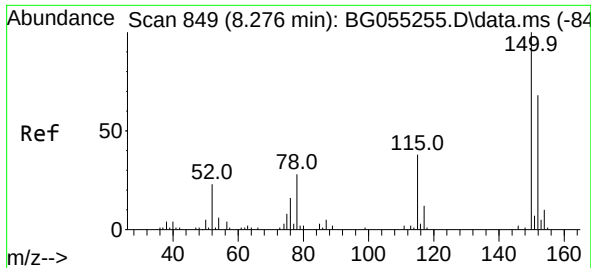
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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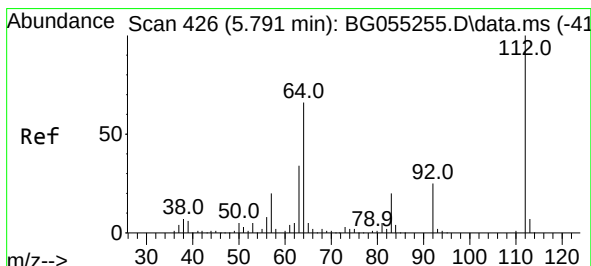
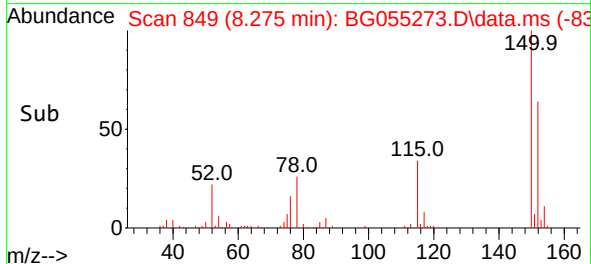
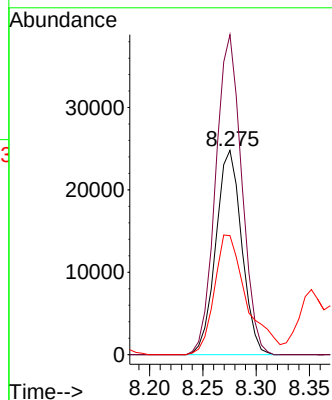
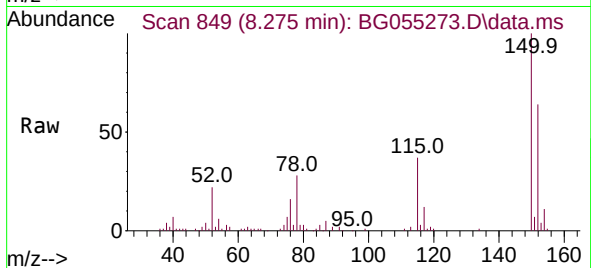




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.275 min Scan# 84
Delta R.T. -0.001 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

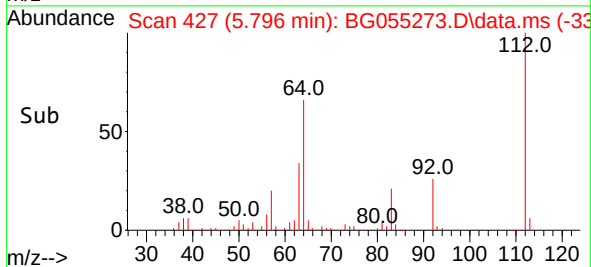
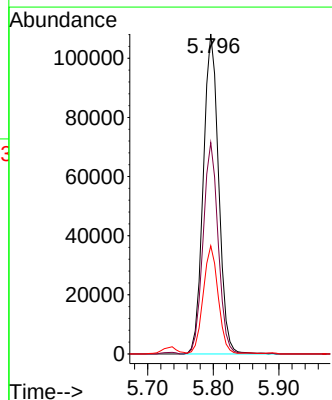
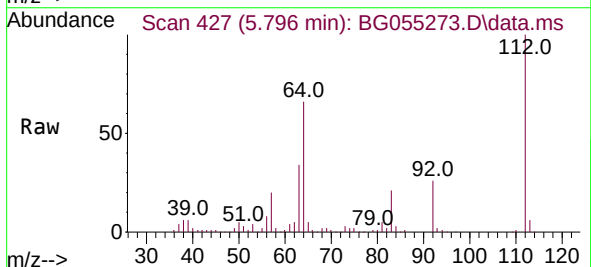
Instrument :
BNA_G
ClientSampleId :
MW-14

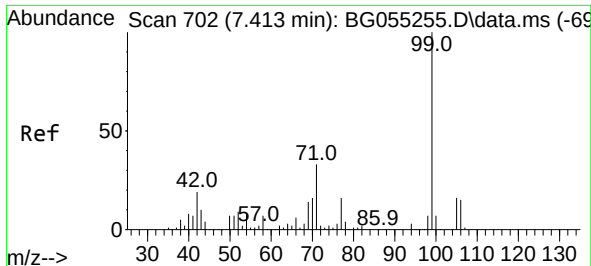
Tgt Ion:152 Resp: 41879
Ion Ratio Lower Upper
152 100
150 156.7 118.2 177.4
115 58.2 44.5 66.7



#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

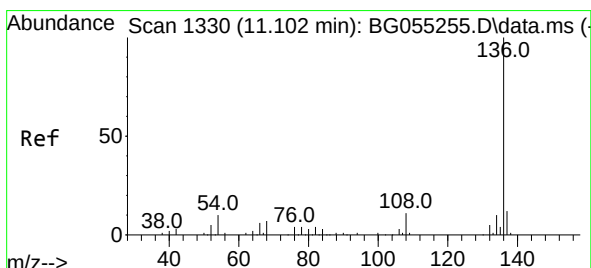
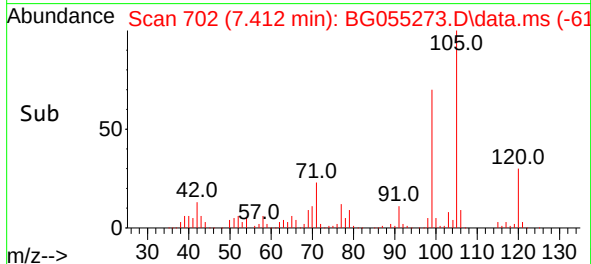
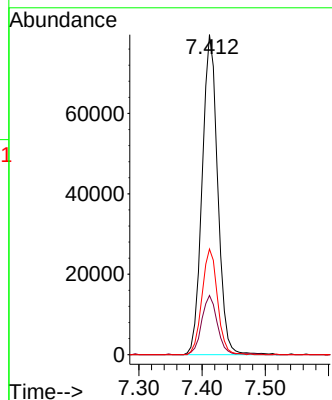
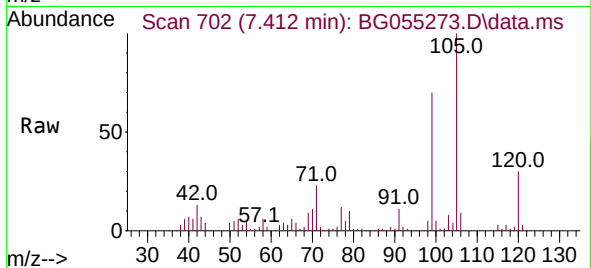




#7
Phenol-d6
Concen: 39.123 ng
RT: 7.412 min Scan# 702
Delta R.T. -0.001 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

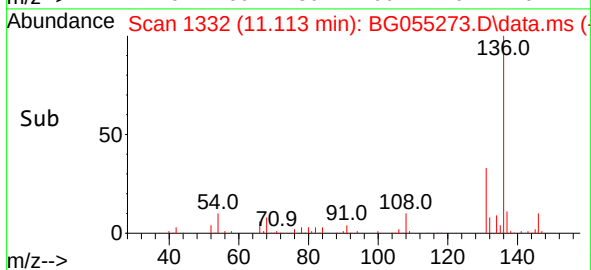
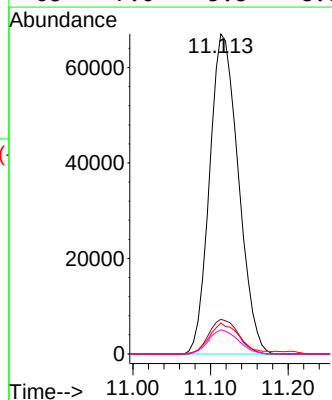
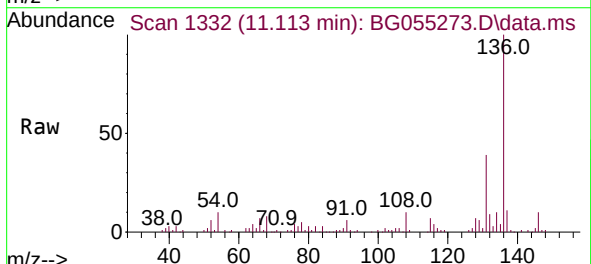
Instrument :
BNA_G
ClientSampleId :
MW-14

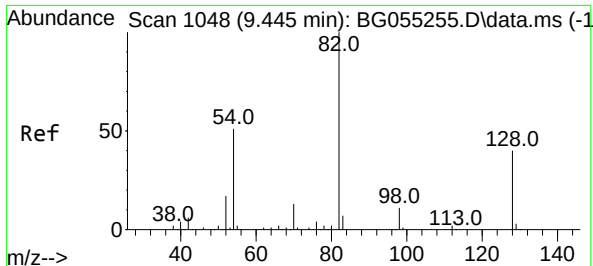
Tgt Ion: 99 Resp: 135566
Ion Ratio Lower Upper
99 100
42 18.5 15.2 22.8
71 33.0 26.2 39.4



#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





#23

Nitrobenzene-d5

Concen: 102.494 ng

RT: 9.450 min Scan# 1048

Delta R.T. 0.005 min

Lab File: BG055273.D

Acq: 25 Oct 2022 12:36

Instrument :

BNA_G

ClientSampleId :

MW-14

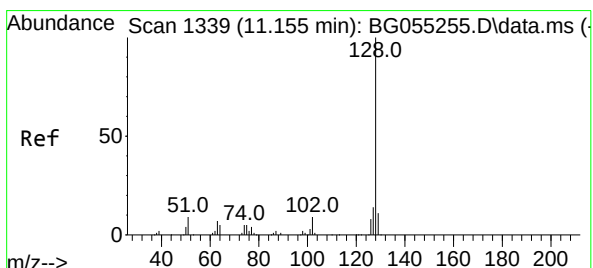
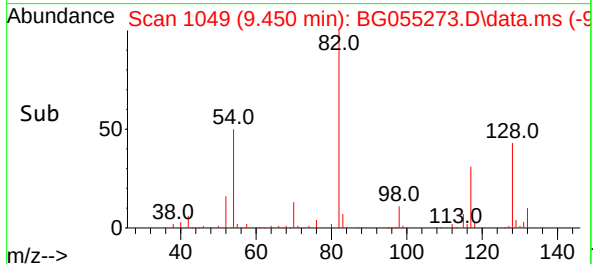
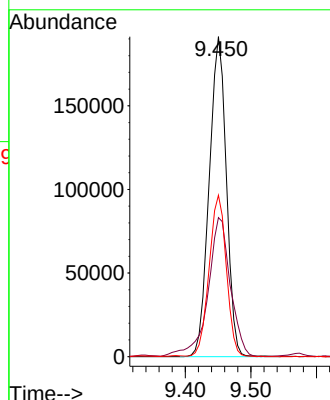
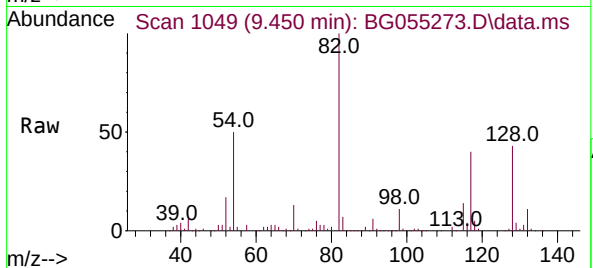
Tgt Ion: 82 Resp: 346966

Ion Ratio Lower Upper

82 100

128 43.4 32.0 48.0

54 50.4 40.9 61.3



#31

Naphthalene

Concen: 835.416 ng

RT: 11.195 min Scan# 1346

Delta R.T. 0.040 min

Lab File: BG055273.D

Acq: 25 Oct 2022 12:36

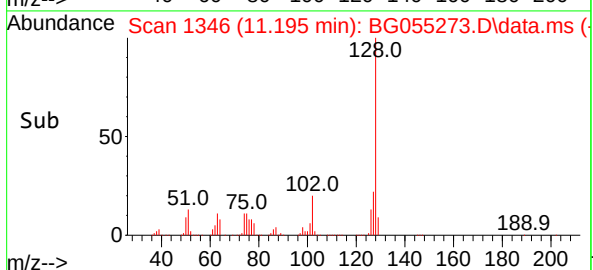
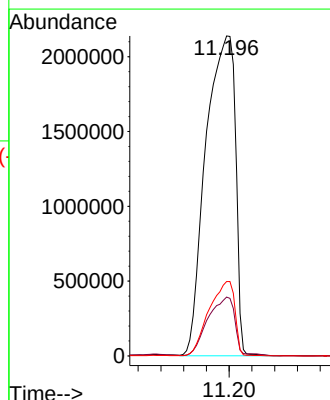
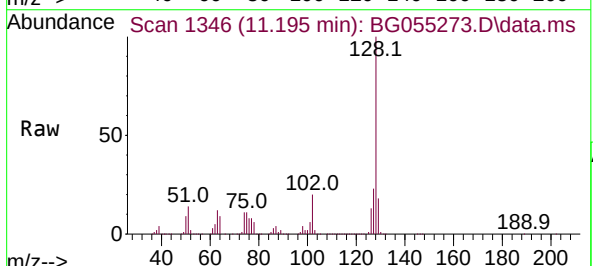
Tgt Ion:128 Resp: 7703839

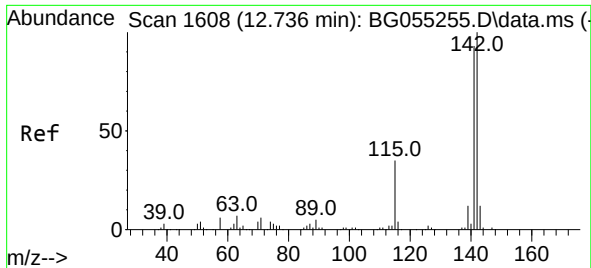
Ion Ratio Lower Upper

128 100

129 18.4 9.0 13.6#

127 23.2 11.1 16.7#

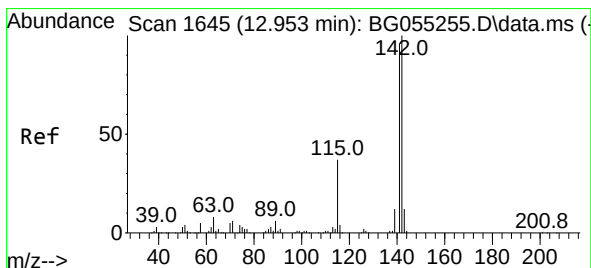
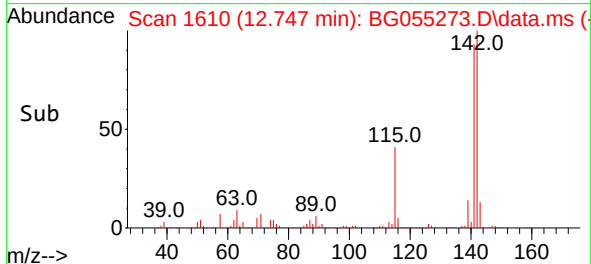
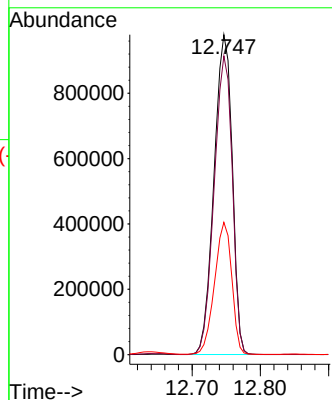
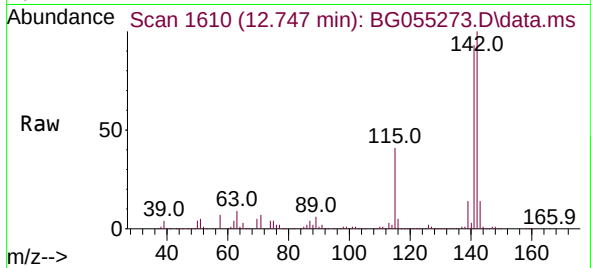




#37
2-Methylnaphthalene
Concen: 271.916 ng
RT: 12.747 min Scan# 1610
Delta R.T. 0.011 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

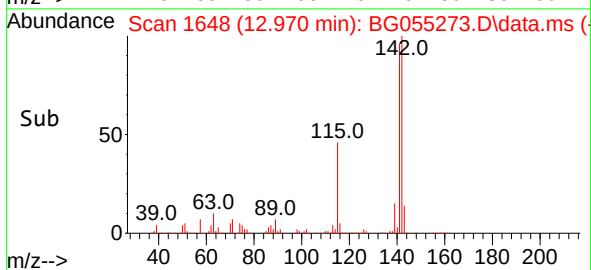
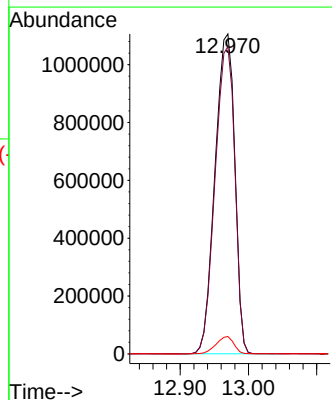
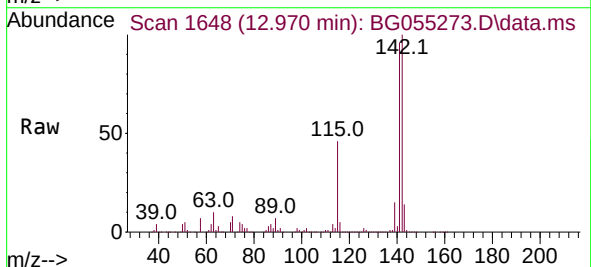
Instrument :
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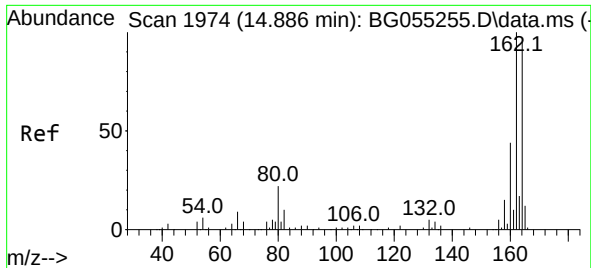
Tgt Ion:142 Resp: 1807868
Ion Ratio Lower Upper
142 100
141 93.3 74.0 111.0
115 41.3 28.3 42.5



#38
1-Methylnaphthalene
Concen: 338.393 ng
RT: 12.970 min Scan# 1648
Delta R.T. 0.017 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

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#

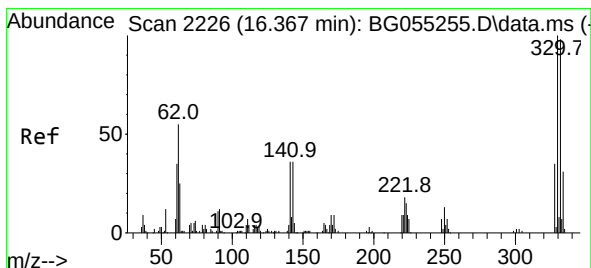
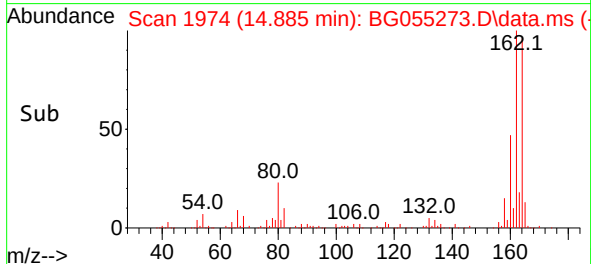
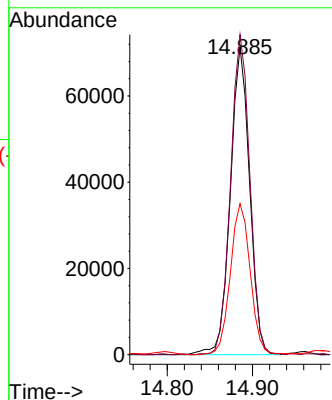
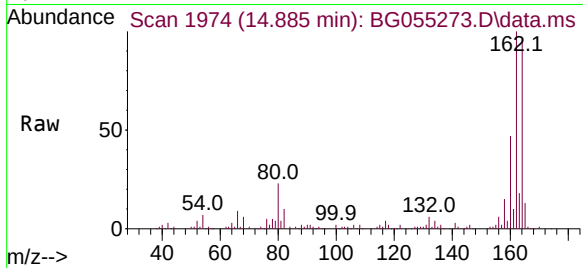




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.885 min Scan# 1974
Delta R.T. -0.001 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

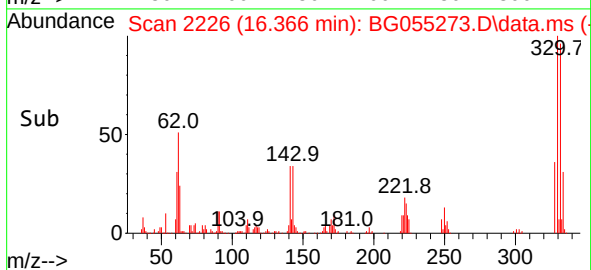
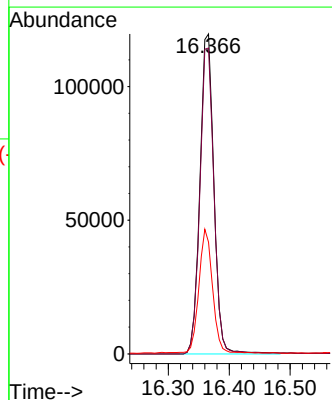
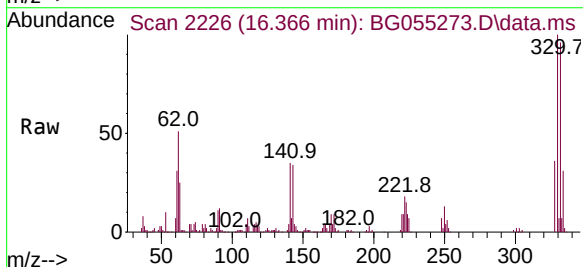
Instrument :
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ClientSampleId :
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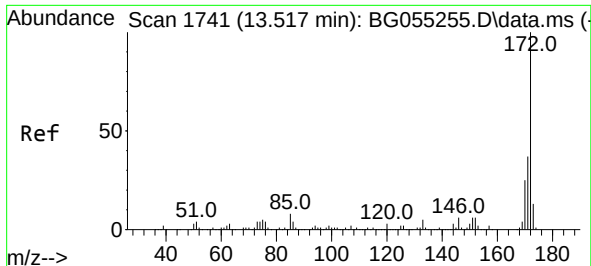
Tgt Ion:164 Resp: 111571
Ion Ratio Lower Upper
164 100
162 104.0 84.0 126.0
160 49.1 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 156.763 ng
RT: 16.366 min Scan# 2226
Delta R.T. -0.001 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

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

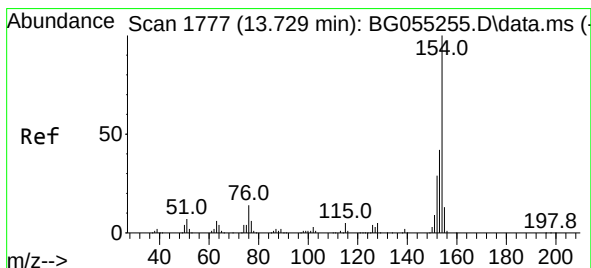
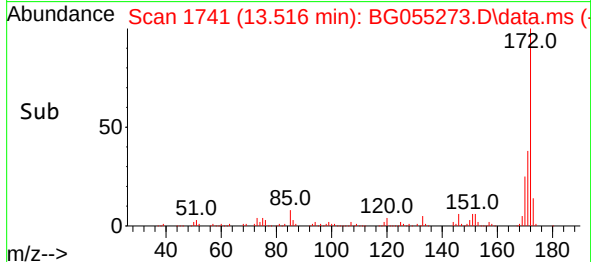
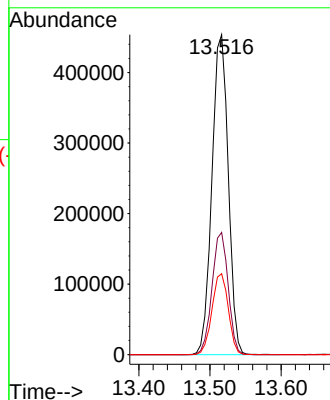
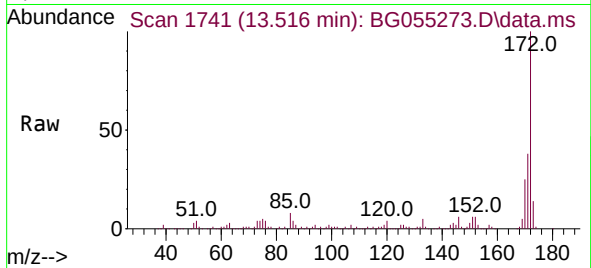




#45
2-Fluorobiphenyl
Concen: 106.258 ng
RT: 13.516 min Scan# 1741
Delta R.T. -0.001 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

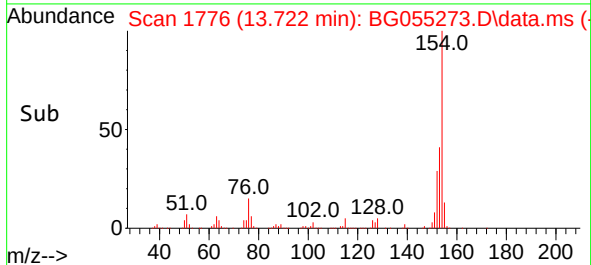
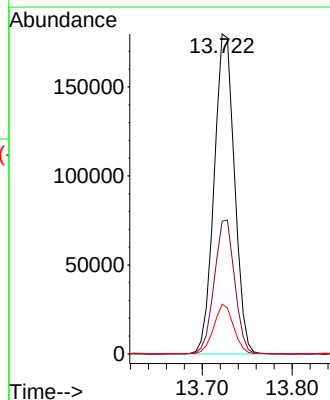
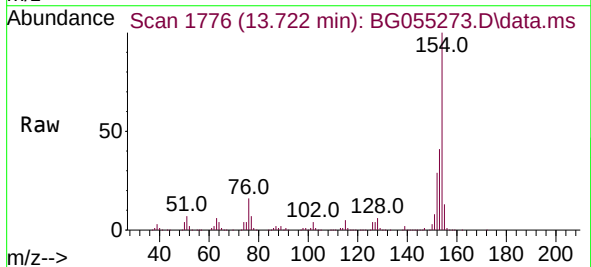
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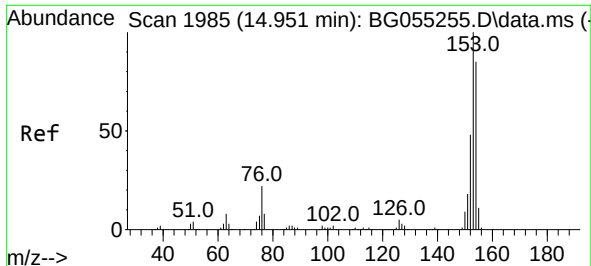
Tgt Ion:172 Resp: 724321
Ion Ratio Lower Upper
172 100
171 38.2 29.7 44.5
170 25.3 20.2 30.2



#46
1,1'-Biphenyl
Concen: 37.030 ng
RT: 13.722 min Scan# 1776
Delta R.T. -0.007 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

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

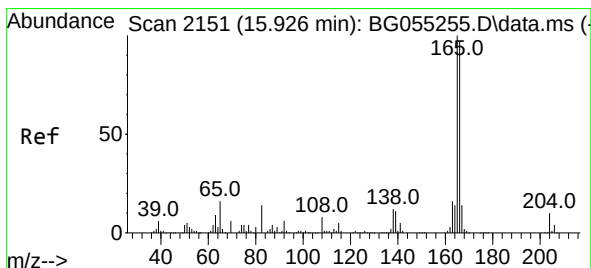
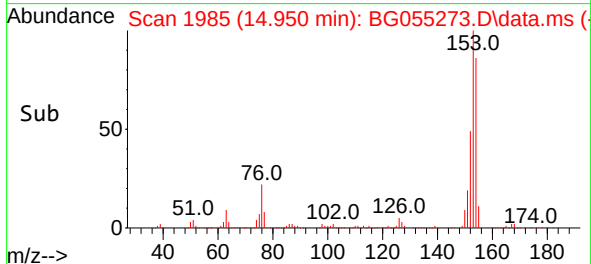
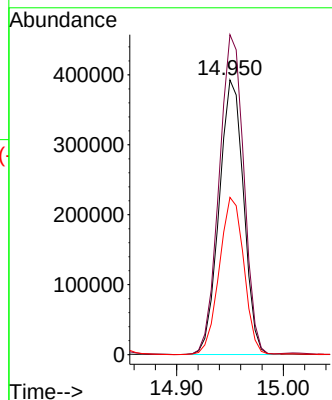
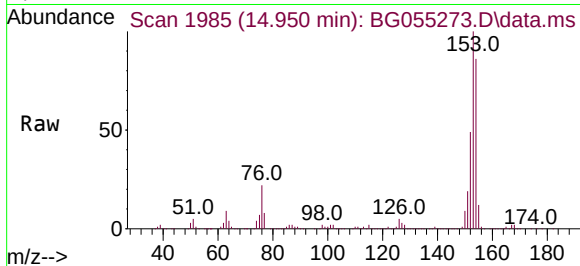




#52
Acenaphthene
Concen: 94.193 ng
RT: 14.950 min Scan# 1985
Delta R.T. -0.001 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

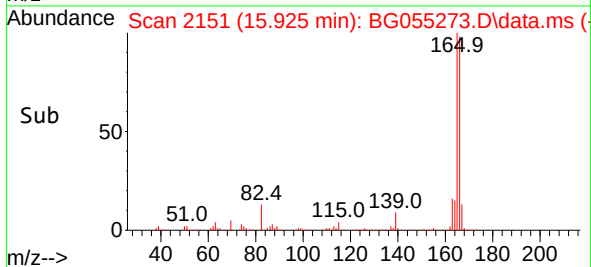
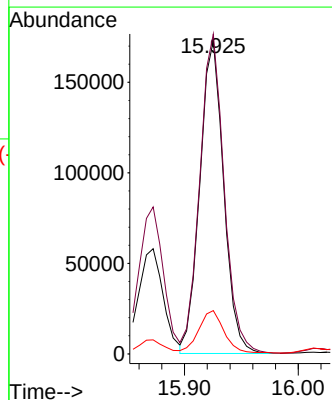
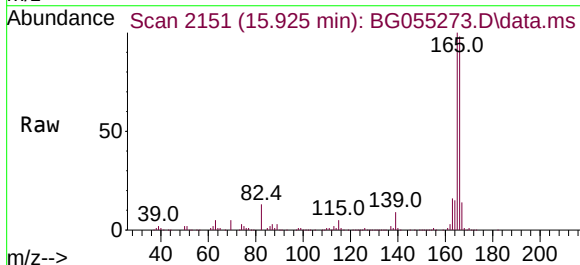
Instrument :
BNA_G
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MW-14

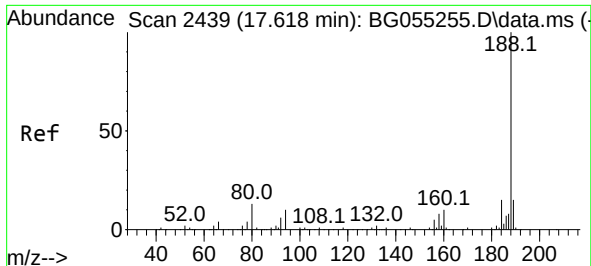
Tgt Ion:154 Resp: 625431
Ion Ratio Lower Upper
154 100
153 116.5 94.3 141.5
152 57.3 45.3 67.9



#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

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

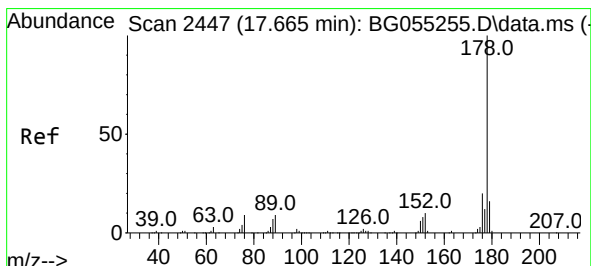
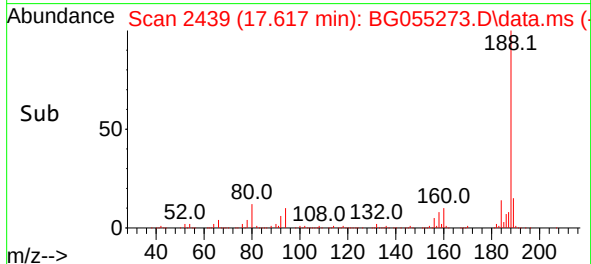
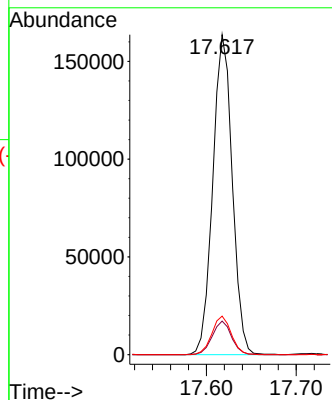
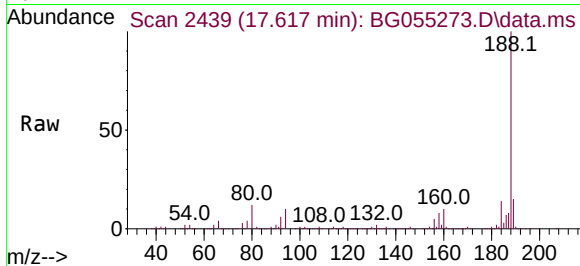




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.617 min Scan# 2439
Delta R.T. -0.001 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

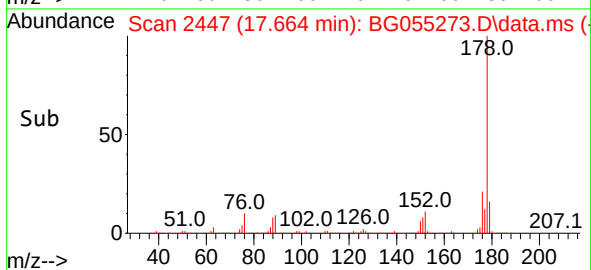
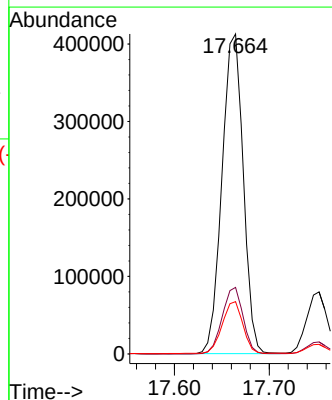
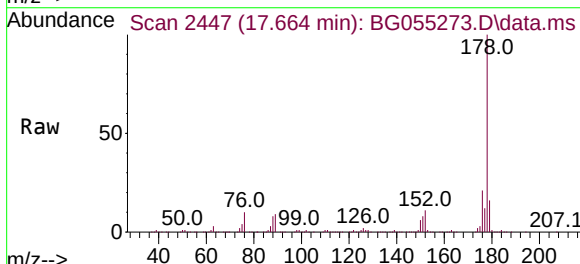
Instrument :
BNA_G
ClientSampleId :
MW-14

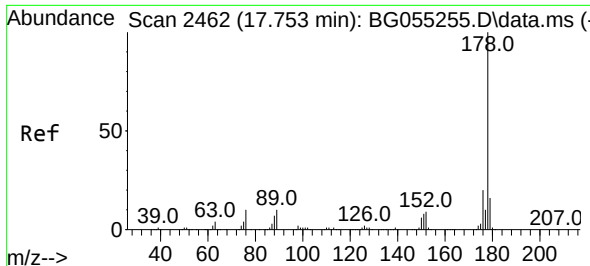
Tgt Ion:188 Resp: 246119
Ion Ratio Lower Upper
188 100
94 10.5 8.2 12.4
80 12.0 10.1 15.1



#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

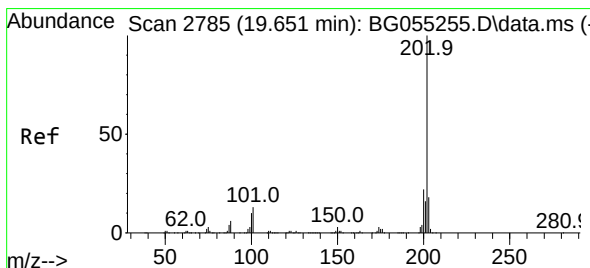
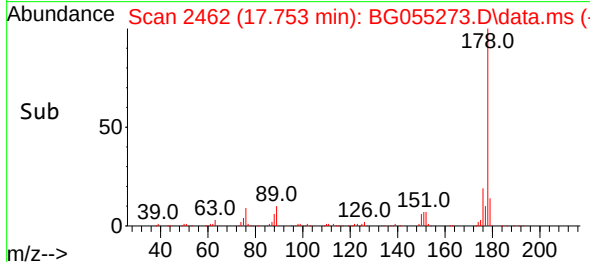
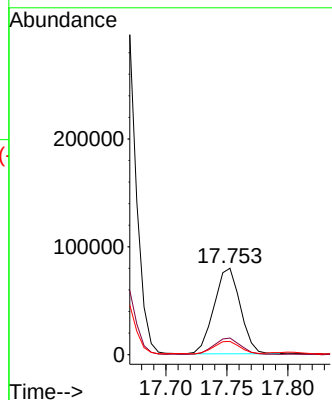
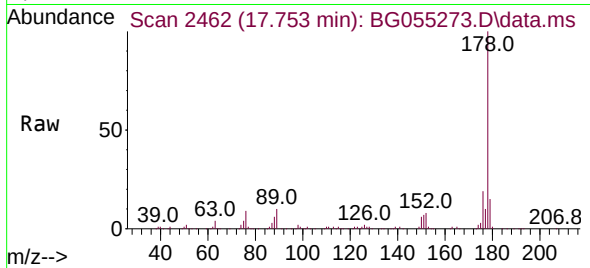




#72
 Anthracene
 Concen: 9.287 ng
 RT: 17.753 min Scan# 2462
 Delta R.T. -0.001 min
 Lab File: BG055273.D
 Acq: 25 Oct 2022 12:36

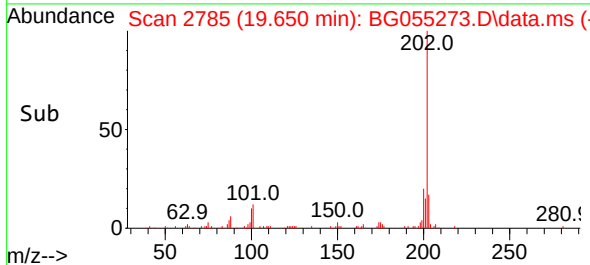
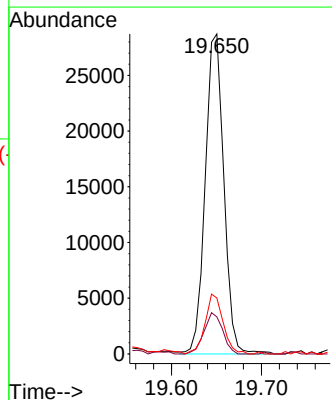
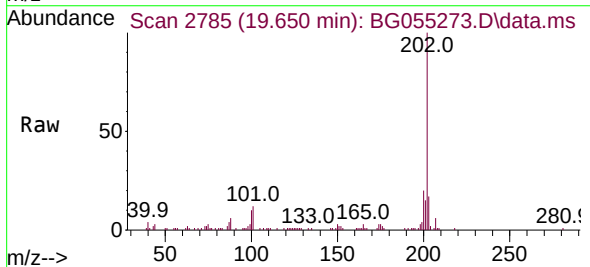
Instrument :
 BNA_G
 ClientSampleId :
 MW-14

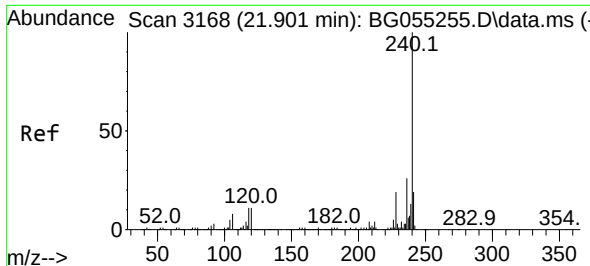
Tgt Ion:178 Resp: 119167
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.7 23.5
 179 15.4 12.9 19.3



#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

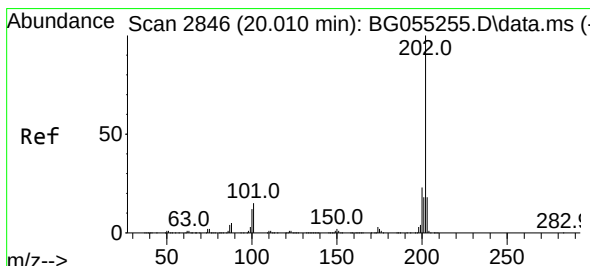
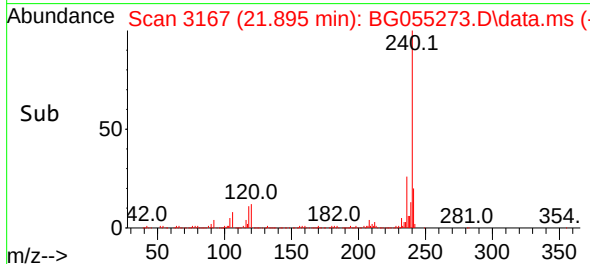
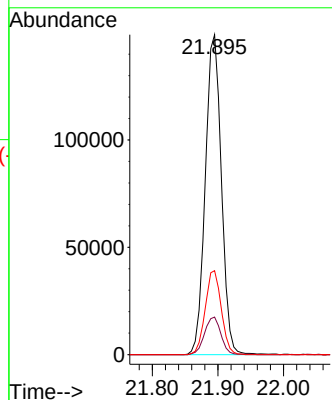
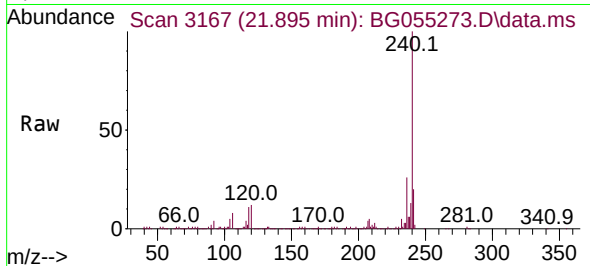




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.895 min Scan# 3168
Delta R.T. -0.007 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

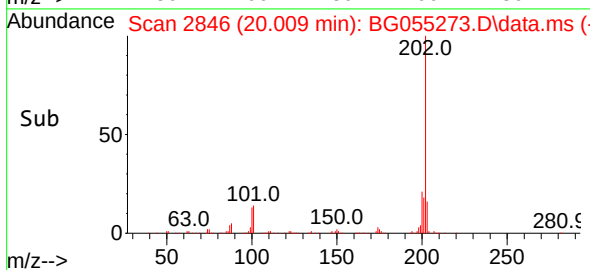
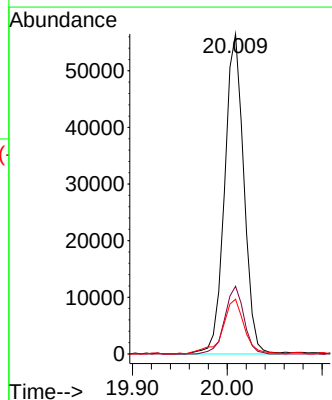
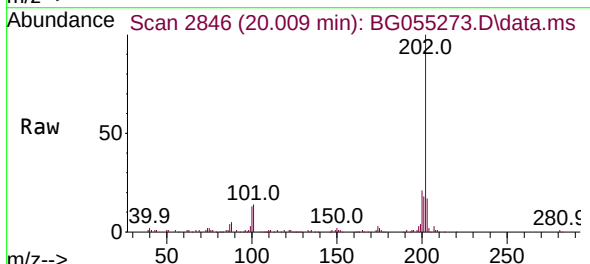
Instrument :
BNA_G
ClientSampleId :
MW-14

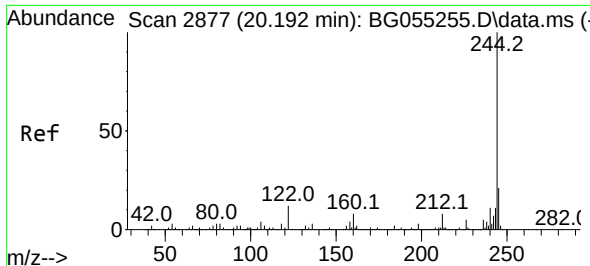
Tgt Ion:240 Resp: 252765
Ion Ratio Lower Upper
240 100
120 11.7 8.9 13.3
236 26.2 21.0 31.4



#78
Pyrene
Concen: 4.578 ng
RT: 20.009 min Scan# 2846
Delta R.T. -0.001 min
Lab File: BG055273.D
Acq: 25 Oct 2022 12:36

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

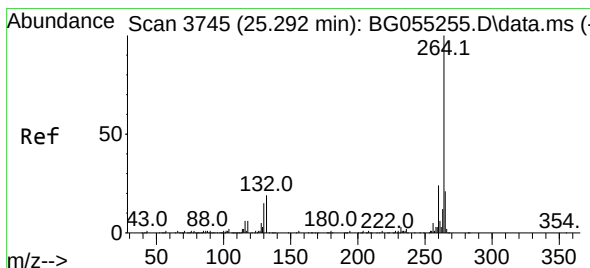
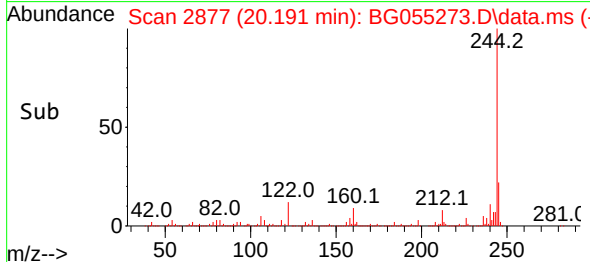
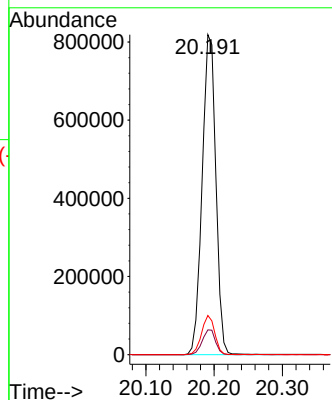
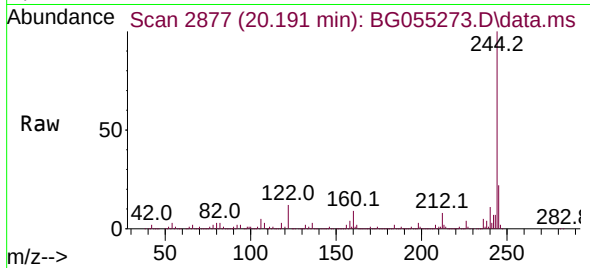




#79
 Terphenyl-d14
 Concen: 93.854 ng
 RT: 20.191 min Scan# 2877
 Delta R.T. -0.001 min
 Lab File: BG055273.D
 Acq: 25 Oct 2022 12:36

Instrument :
 BNA_G
 ClientSampleId :
 MW-14

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# 3744
 Delta R.T. -0.007 min
 Lab File: BG055273.D
 Acq: 25 Oct 2022 12:36

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

