

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102422\
 Data File : BG055266.D
 Acq On : 24 Oct 2022 21:33
 Operator : CG/JU
 Sample : N5222-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-12

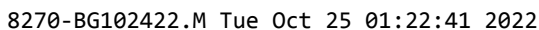
Quant Time: Oct 25 01:22:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 24 16:54:05 2022
 Response via : Initial Calibration

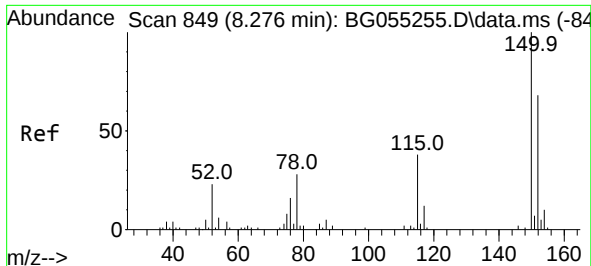
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.274	152	42510	20.000	ng	0.00
21) Naphthalene-d8	11.111	136	174756	20.000	ng	0.00
39) Acenaphthene-d10	14.883	164	110995	20.000	ng	0.00
64) Phenanthrene-d10	17.616	188	235299	20.000	ng	0.00
76) Chrysene-d12	21.893	240	223620	20.000	ng	0.00
86) Perylene-d12	25.283	264	236407	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.794	112	183169	75.447	ng	0.00
7) Phenol-d6	7.410	99	150545	42.801	ng	0.00
23) Nitrobenzene-d5	9.449	82	345056	100.825	ng	0.00
42) 2,4,6-Tribromophenol	16.364	330	192308	159.378	ng	0.00
45) 2-Fluorobiphenyl	13.514	172	721055	106.328	ng	0.00
79) Terphenyl-d14	20.189	244	1041655	96.782	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.404	77	34229	14.253	ng	# 1
15) Benzyl Alcohol	8.385	79	75685	25.713	ng	# 7
18) Hexachloroethane	9.390	117	77276	68.990	ng	# 1
19) n-Nitroso-di-n-propyla...	9.449	70	45954	15.733	ng	# 81
22) Acetophenone	9.079	105	70048	15.679	ng	# 56
24) Nitrobenzene	9.472	77	53525	15.020	ng	# 1
28) bis(2-Chloroethoxy)met...	10.500	93	9938	2.847	ng	# 69
31) Naphthalene	11.188	128	6429851	689.702	ng	# 82
32) Benzoic acid	10.418	122	906	4.592	ng	# 1
33) 4-Chloroaniline	11.188	127	1254193	314.677	ng	# 36
37) 2-Methylnaphthalene	12.745	142	1442218	214.567	ng	98
38) 1-Methylnaphthalene	12.745	142	1442218	217.491	ng	97
46) 1,1'-Biphenyl	13.726	154	518907	68.163	ng	98
49) Acenaphthylene	14.607	152	52484	5.065	ng	# 61
51) 2,6-Dinitrotoluene	14.278	165	9559	5.390	ng	# 64
52) Acenaphthene	14.948	154	504127	76.318	ng	100
55) Dibenzofuran	15.277	168	34173	3.448	ng	# 95
58) Fluorene	15.923	166	239407	29.034	ng	98
67) 4-Bromophenyl-phenylether	16.364	248	13021	5.696	ng	# 1
71) Phenanthrene	17.663	178	531983	42.394	ng	99
72) Anthracene	17.751	178	105867	8.630	ng	98
73) Carbazole	18.009	167	29063	2.463	ng	98
75) Fluoranthene	19.648	202	32872	2.248	ng	100
77) Benzidine	20.189	184	16581	3.062	ng	# 85
78) Pyrene	20.007	202	55894	3.647	ng	99

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

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QLast Update : Mon Oct 24 16:54:05 2022
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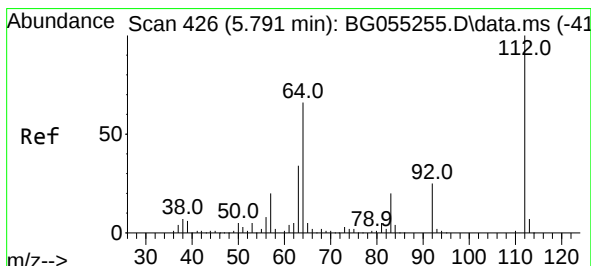
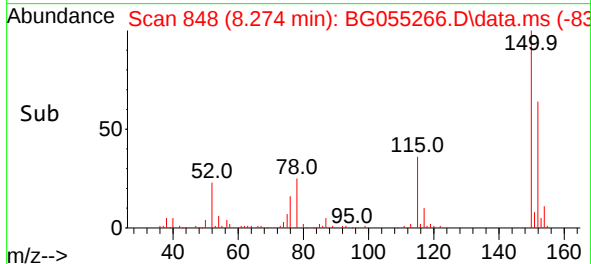
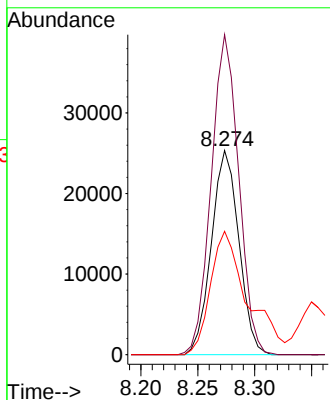
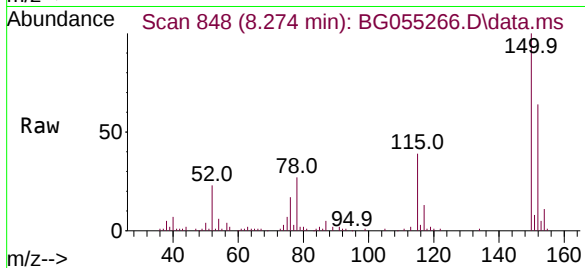




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.274 min Scan# 849
Delta R.T. -0.002 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

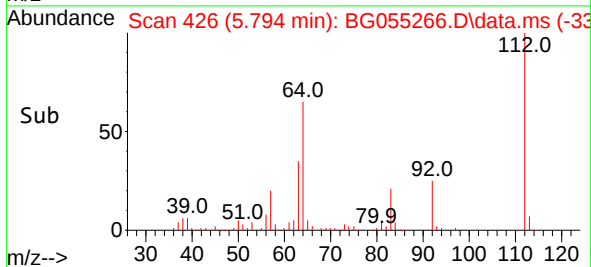
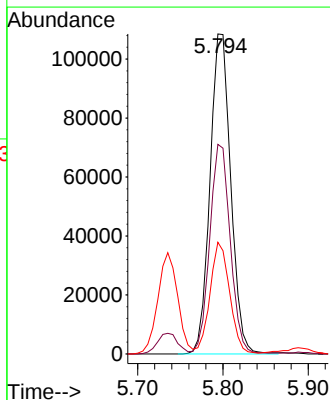
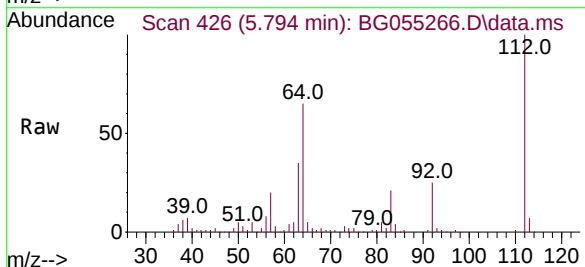
Instrument :
BNA_G
ClientSampleId :
MW-12

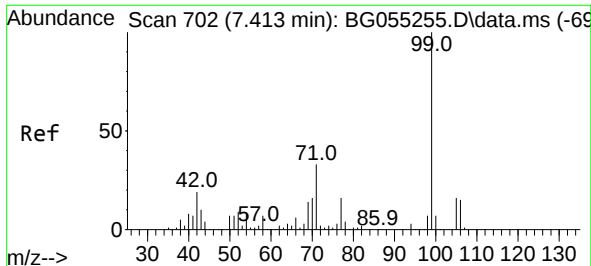
Tgt Ion:152 Resp: 42510
Ion Ratio Lower Upper
152 100
150 156.8 118.2 177.4
115 60.4 44.5 66.7



#5
2-Fluorophenol
Concen: 75.447 ng
RT: 5.794 min Scan# 426
Delta R.T. 0.003 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

Tgt Ion:112 Resp: 183169
Ion Ratio Lower Upper
112 100
64 65.5 52.6 78.8
63 34.9 27.1 40.7

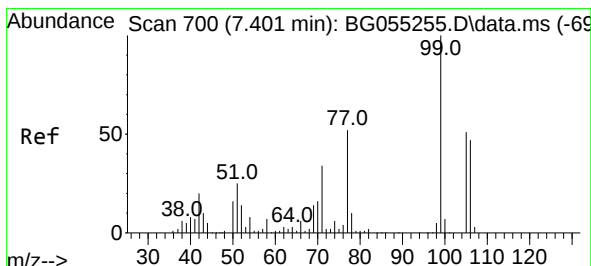
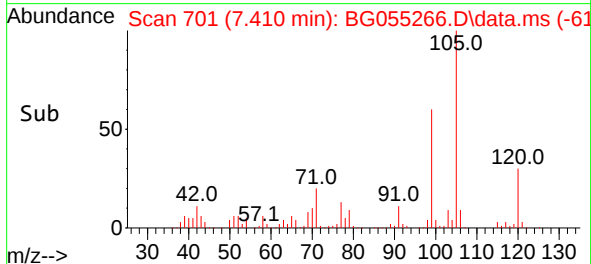
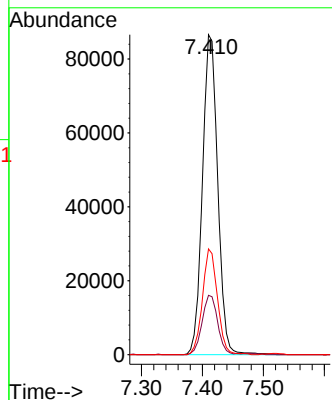
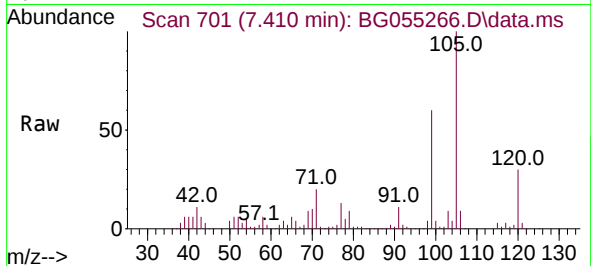




#7
Phenol-d6
Concen: 42.801 ng
RT: 7.410 min Scan# 701
Delta R.T. -0.003 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

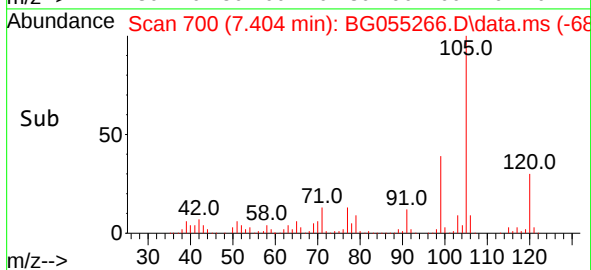
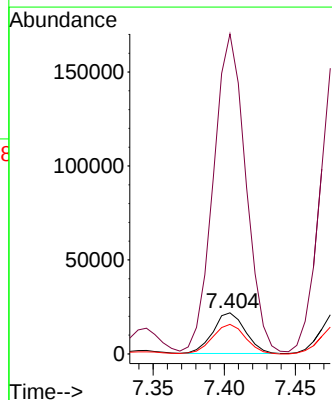
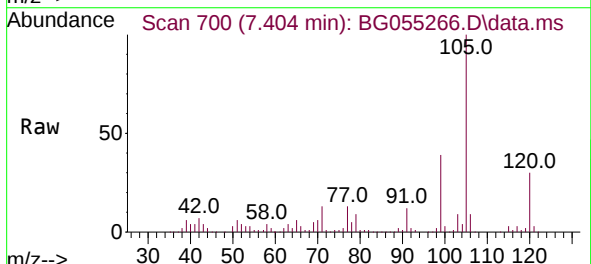
Instrument :
BNA_G
ClientSampleId :
MW-12

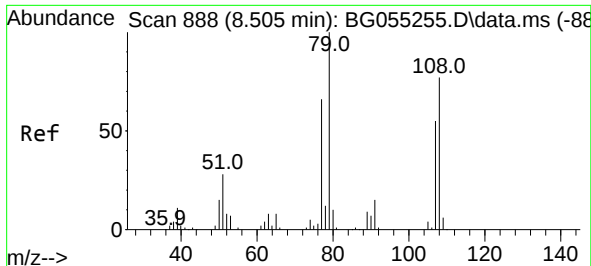
Tgt Ion: 99 Resp: 150545
Ion Ratio Lower Upper
99 100
42 18.5 15.2 22.8
71 33.0 26.2 39.4



#9
Benzaldehyde
Concen: 14.253 ng
RT: 7.404 min Scan# 700
Delta R.T. 0.003 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

Tgt Ion: 77 Resp: 34229
Ion Ratio Lower Upper
77 100
105 779.5 77.9 117.9#
106 71.9 69.9 109.9

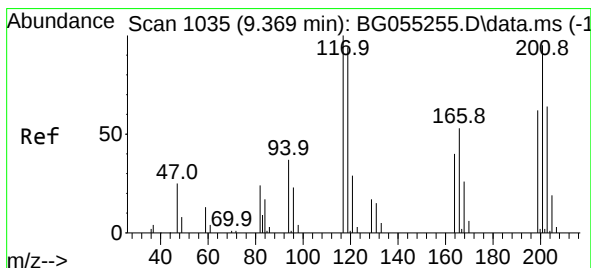
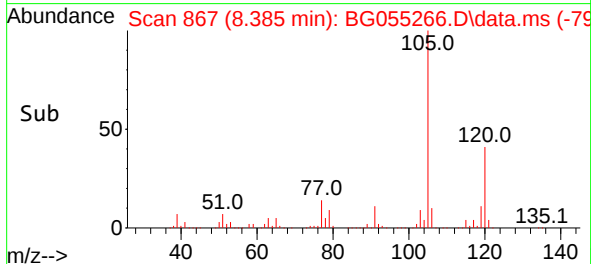
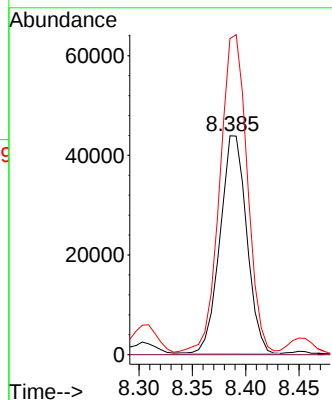
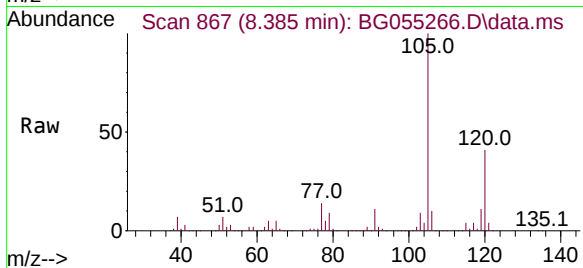




#15
Benzyl Alcohol
Concen: 25.713 ng
RT: 8.385 min Scan# 80
Delta R.T. -0.120 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

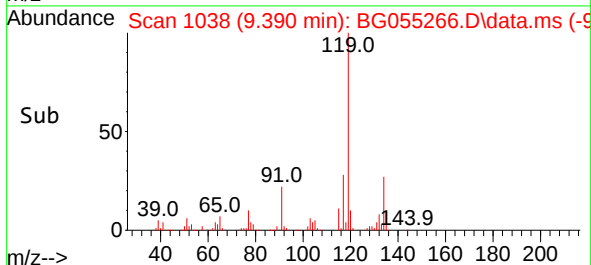
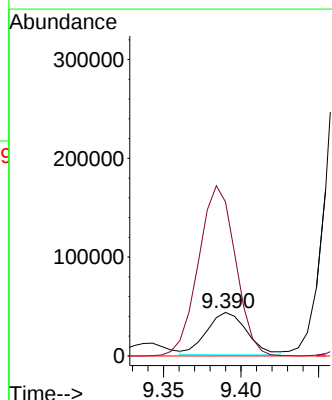
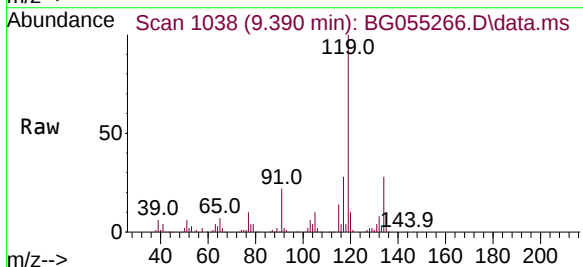
Instrument :
BNA_G
ClientSampleId :
MW-12

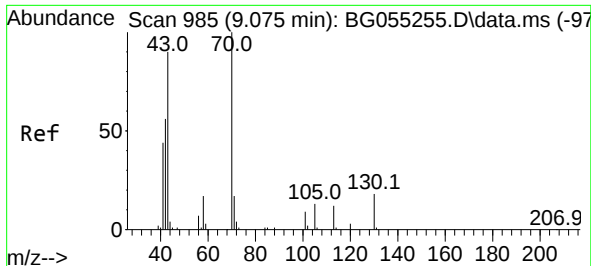
Tgt Ion: 79 Resp: 75685
Ion Ratio Lower Upper
79 100
108 0.0 61.3 91.9#
77 144.4 52.7 79.1#



#18
Hexachloroethane
Concen: 68.990 ng
RT: 9.390 min Scan# 1038
Delta R.T. 0.021 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

Tgt Ion: 117 Resp: 77276
Ion Ratio Lower Upper
117 100
119 353.9 75.4 113.2#
201 0.0 75.8 113.8#

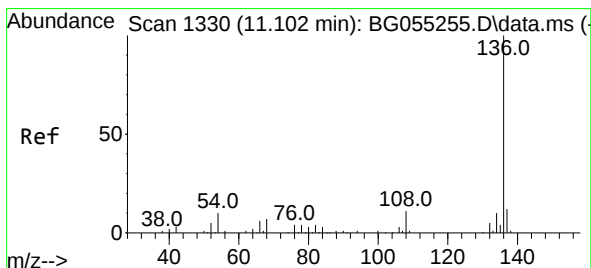
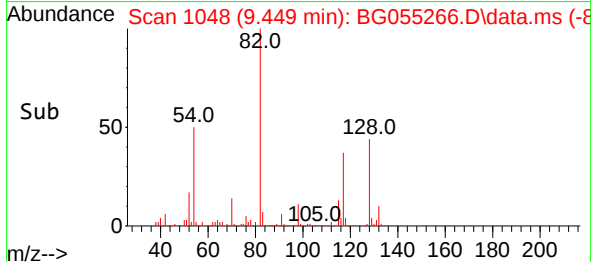
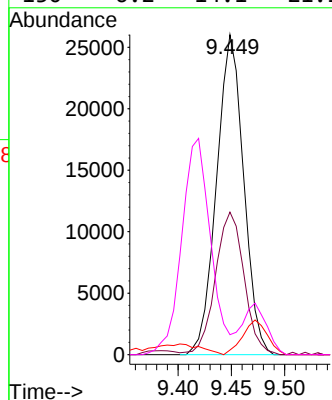
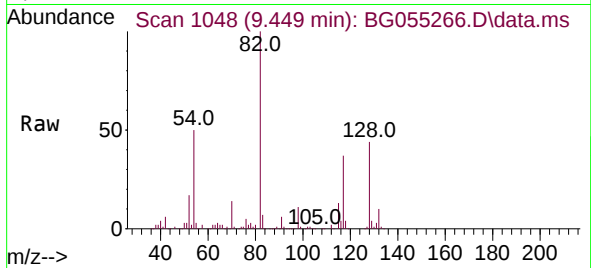




#19
n-Nitroso-di-n-propylamine
Concen: 15.733 ng
RT: 9.449 min Scan# 1048
Delta R.T. 0.373 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

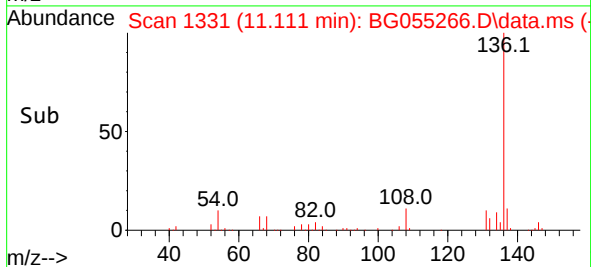
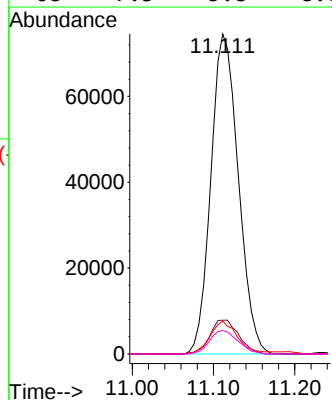
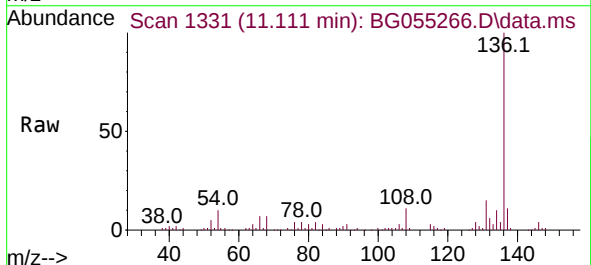
Instrument :
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ClientSampleId :
MW-12

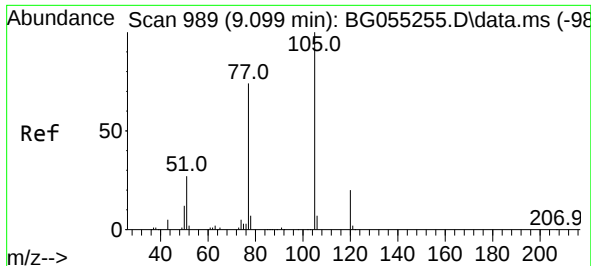
Tgt Ion: 70 Resp: 45954
Ion Ratio Lower Upper
70 100
42 44.5 45.8 68.6#
101 1.4 7.4 11.0#
130 6.2 14.1 21.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.111 min Scan# 1331
Delta R.T. 0.009 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

Tgt Ion:136 Resp: 174756
Ion Ratio Lower Upper
136 100
137 10.5 9.2 13.8
54 10.3 7.8 11.8
68 7.3 5.8 8.6

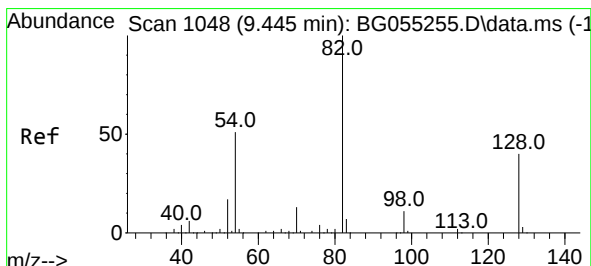
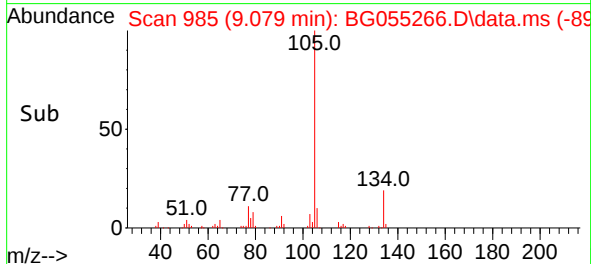
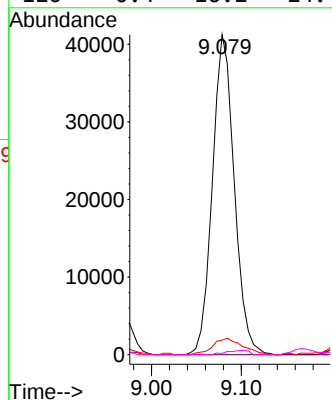
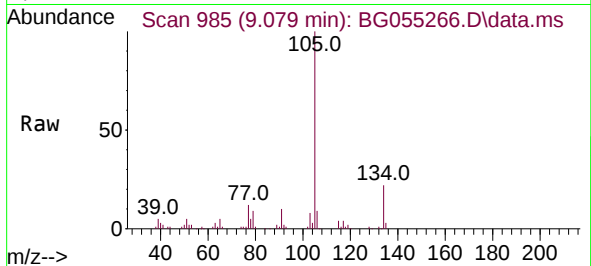




#22
Acetophenone
Concen: 15.679 ng
RT: 9.079 min Scan# 989
Delta R.T. -0.020 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

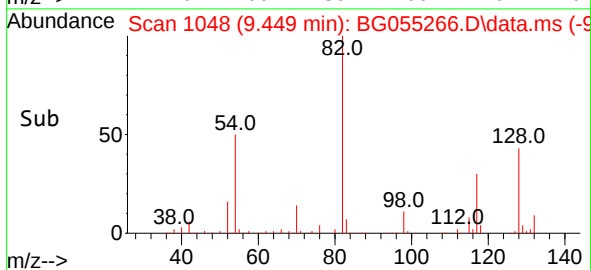
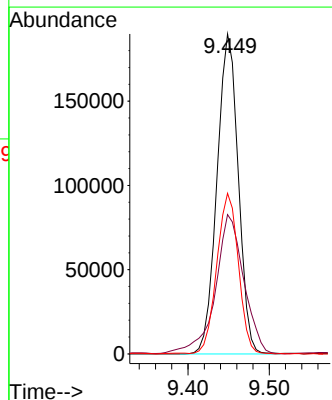
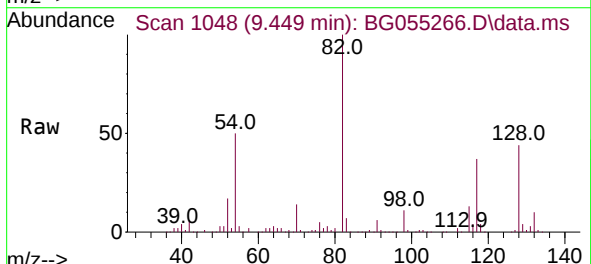
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BNA_G
ClientSampleId :
MW-12

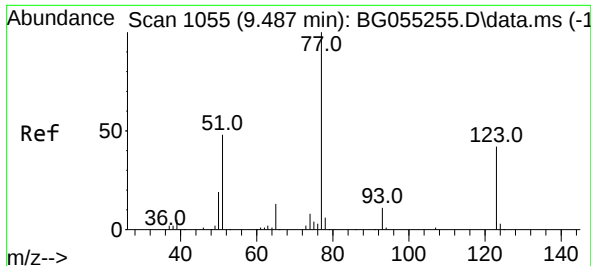
Tgt Ion:105 Resp: 70048
Ion Ratio Lower Upper
105 100
71 0.0 0.8 1.2#
51 4.5 22.9 34.3#
120 0.4 16.2 24.4#



#23
Nitrobenzene-d5
Concen: 100.825 ng
RT: 9.449 min Scan# 1048
Delta R.T. 0.003 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

Tgt Ion: 82 Resp: 345056
Ion Ratio Lower Upper
82 100
128 43.5 32.0 48.0
54 50.2 40.9 61.3





#24

Nitrobenzene

Concen: 15.020 ng

RT: 9.472 min Scan# 1052

Delta R.T. -0.014 min

Lab File: BG055266.D

Acq: 24 Oct 2022 21:33

Instrument :

BNA_G

ClientSampleId :

MW-12

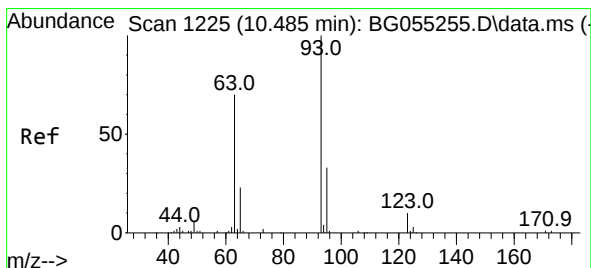
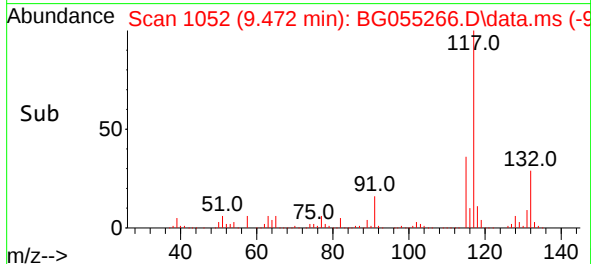
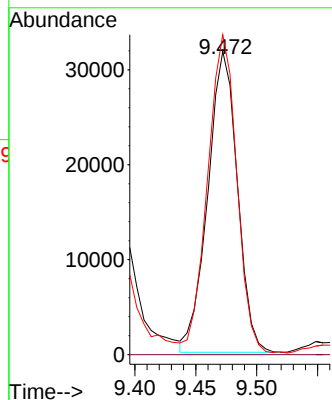
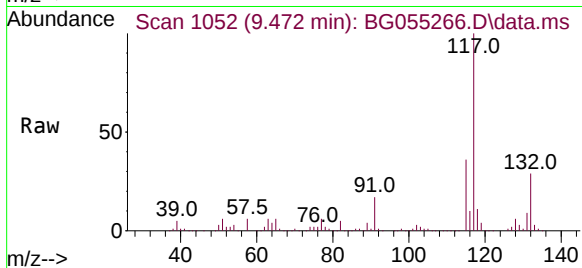
Tgt Ion: 77 Resp: 53525

Ion Ratio Lower Upper

77 100

123 0.0 33.6 50.4#

65 105.6 10.2 15.4#



#28

bis(2-Chloroethoxy)methane

Concen: 2.847 ng

RT: 10.500 min Scan# 1227

Delta R.T. 0.015 min

Lab File: BG055266.D

Acq: 24 Oct 2022 21:33

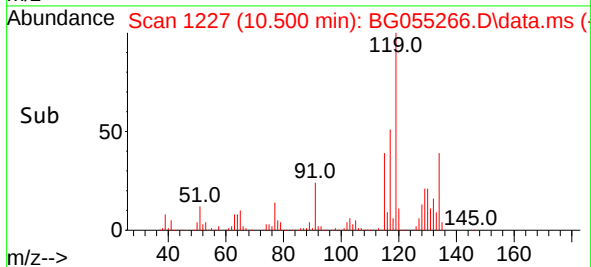
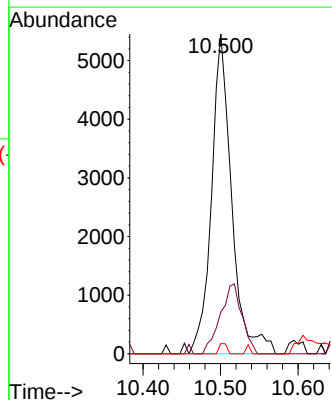
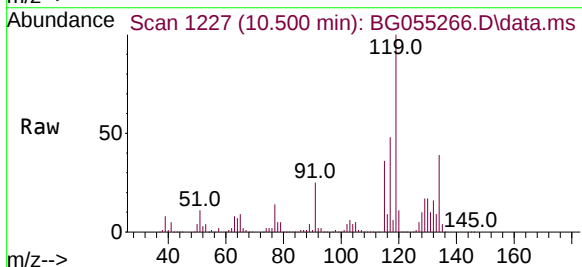
Tgt Ion: 93 Resp: 9938

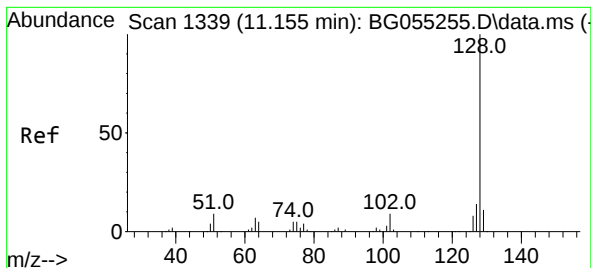
Ion Ratio Lower Upper

93 100

95 13.1 26.3 39.5#

123 3.2 7.9 11.9#





#31

Naphthalene

Concen: 689.702 ng

RT: 11.188 min Scan# 1339

Delta R.T. 0.033 min

Lab File: BG055266.D

Acq: 24 Oct 2022 21:33

Instrument :

BNA_G

ClientSampleId :

MW-12

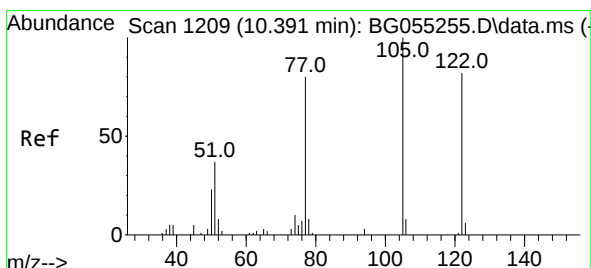
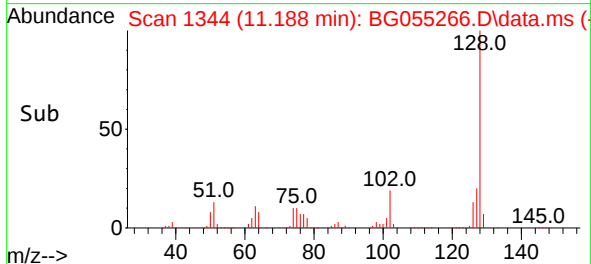
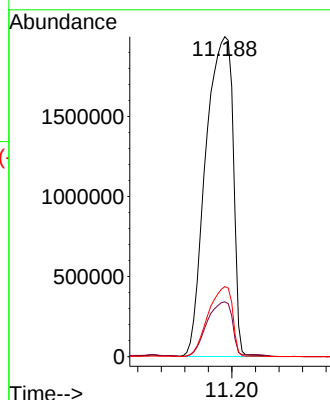
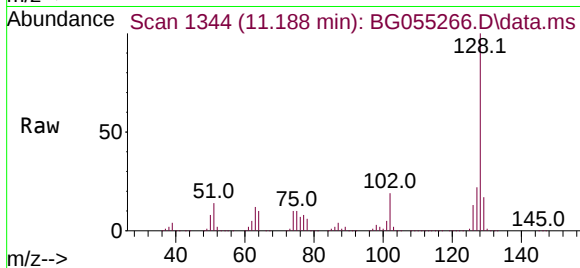
Tgt Ion:128 Resp: 6429851

Ion Ratio Lower Upper

128 100

129 17.1 9.0 13.6#

127 21.9 11.1 16.7#



#32

Benzoic acid

Concen: 4.592 ng

RT: 10.418 min Scan# 1213

Delta R.T. 0.027 min

Lab File: BG055266.D

Acq: 24 Oct 2022 21:33

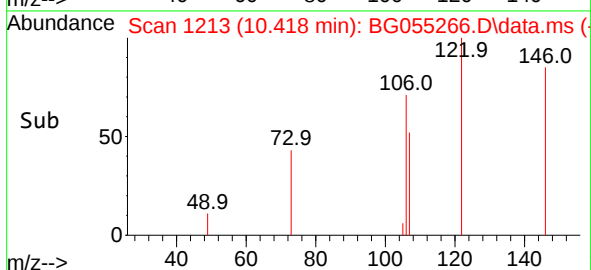
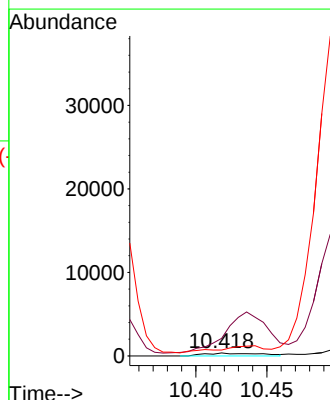
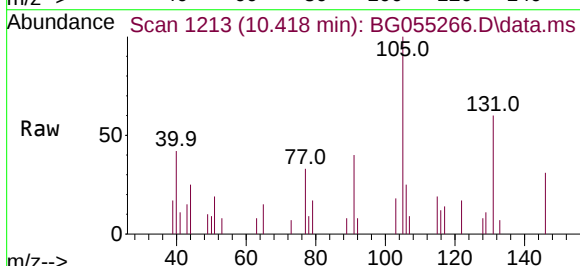
Tgt Ion:122 Resp: 906

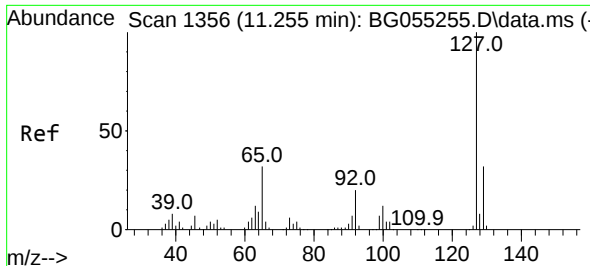
Ion Ratio Lower Upper

122 100

105 588.8 101.3 141.3#

77 196.9 76.9 116.9#

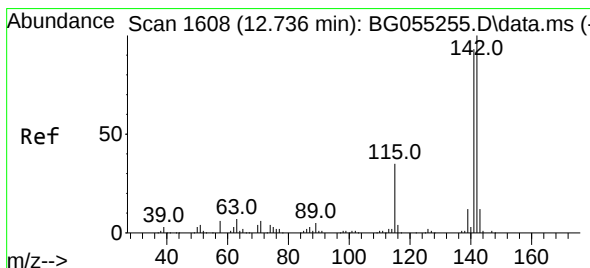
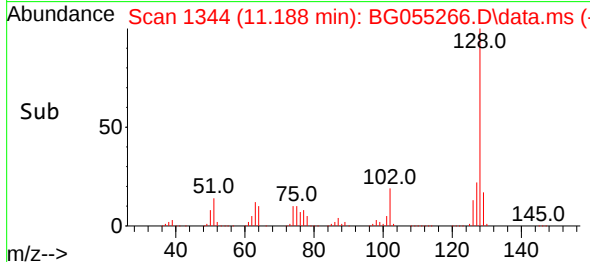
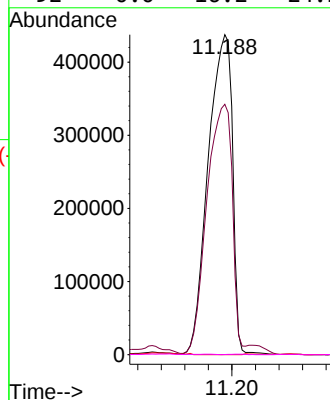
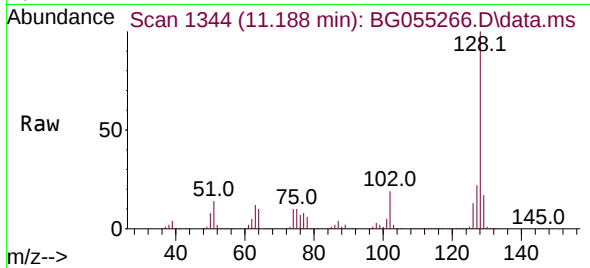




#33
4-Chloroaniline
Concen: 314.677 ng
RT: 11.188 min Scan# 1356
Delta R.T. -0.067 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

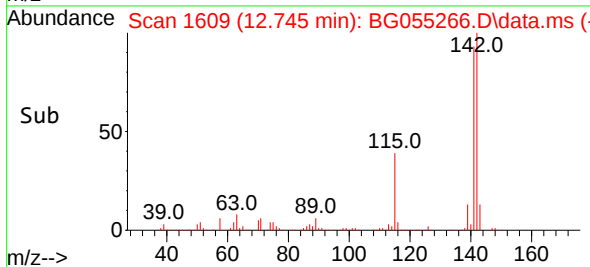
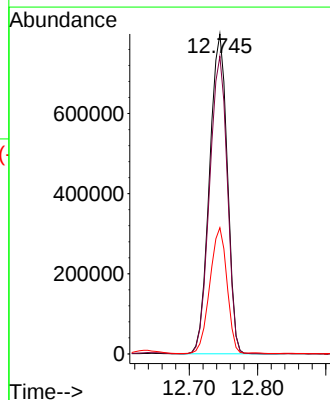
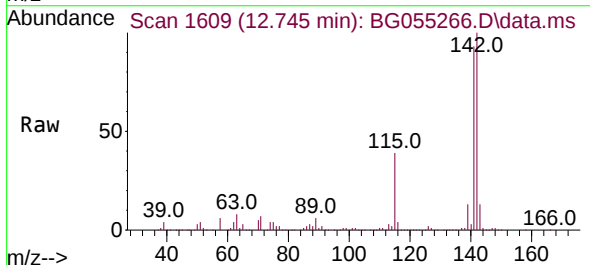
Instrument :
BNA_G
ClientSampleId :
MW-12

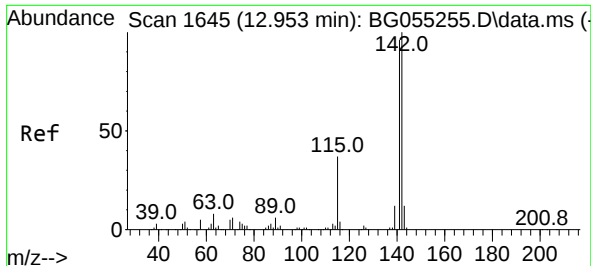
Tgt Ion:127 Resp: 1254193
Ion Ratio Lower Upper
127 100
129 78.2 25.4 38.0#
65 0.0 25.5 38.3#
92 0.0 16.2 24.2#



#37
2-Methylnaphthalene
Concen: 214.567 ng
RT: 12.745 min Scan# 1609
Delta R.T. 0.009 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

Tgt Ion:142 Resp: 1442218
Ion Ratio Lower Upper
142 100
141 93.0 74.0 111.0
115 39.4 28.3 42.5

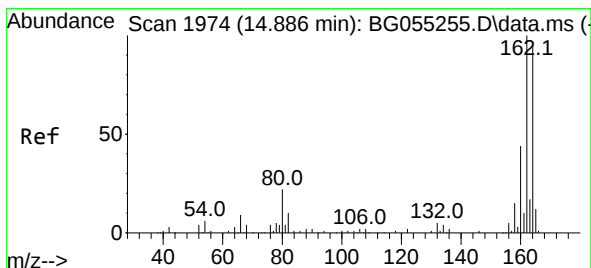
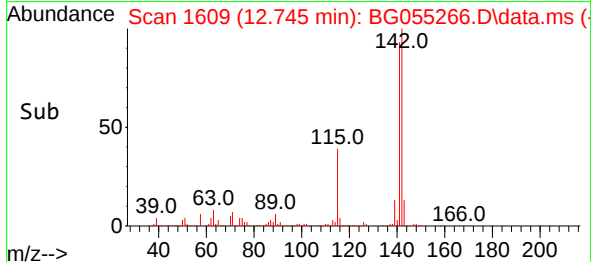
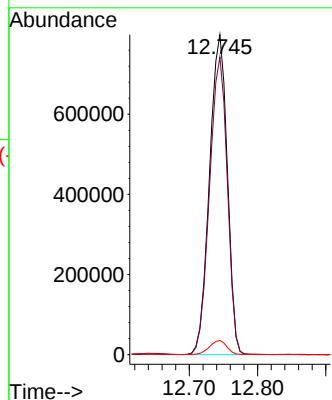
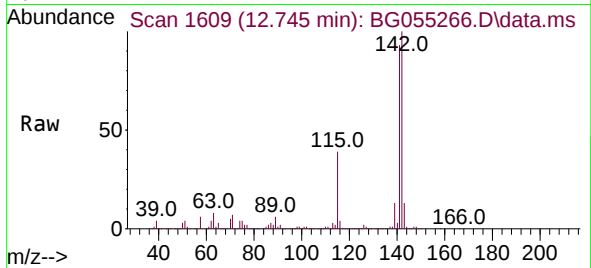




#38
1-Methylnaphthalene
Concen: 217.491 ng
RT: 12.745 min Scan# 1645
Delta R.T. -0.208 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

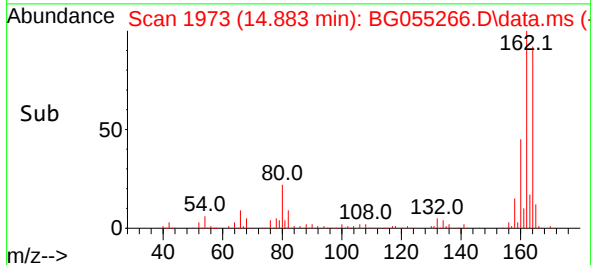
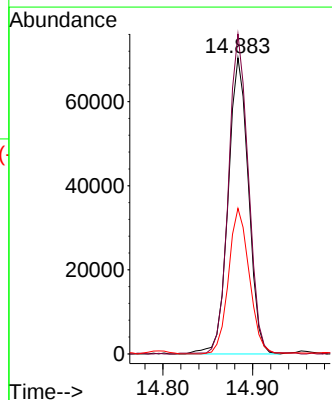
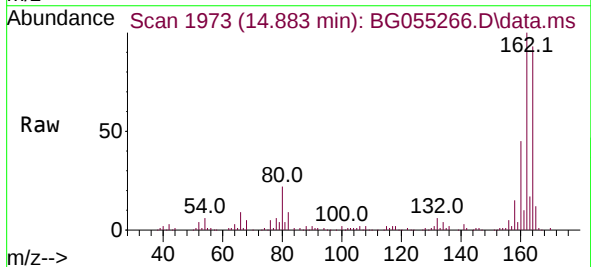
Instrument :
BNA_G
ClientSampleId :
MW-12

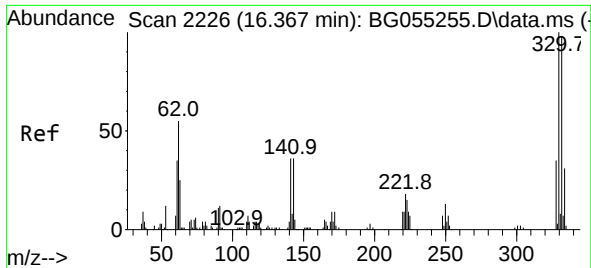
Tgt Ion:142 Resp: 1442218
Ion Ratio Lower Upper
142 100
141 93.0 77.1 115.7
116 4.4 3.0 4.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.883 min Scan# 1973
Delta R.T. -0.003 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

Tgt Ion:164 Resp: 110995
Ion Ratio Lower Upper
164 100
162 108.1 84.0 126.0
160 49.2 36.7 55.1

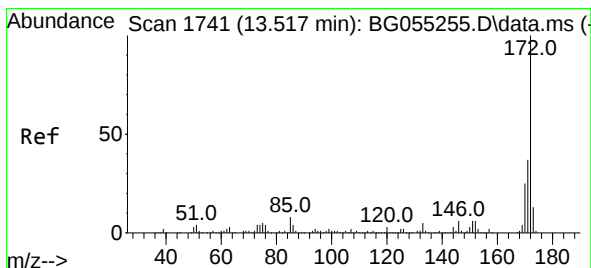
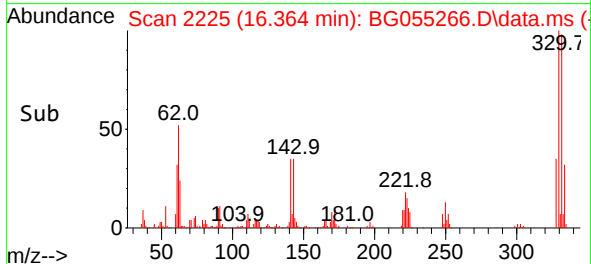
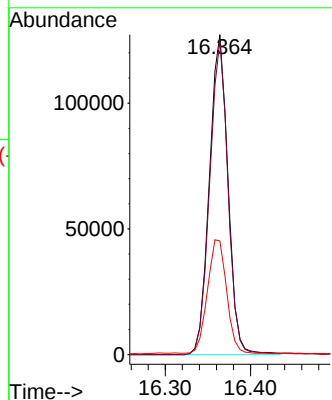
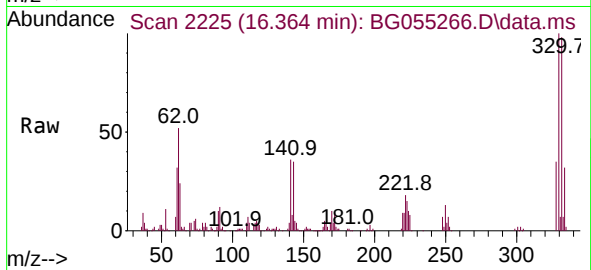




#42
2,4,6-Tribromophenol
Concen: 159.378 ng
RT: 16.364 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

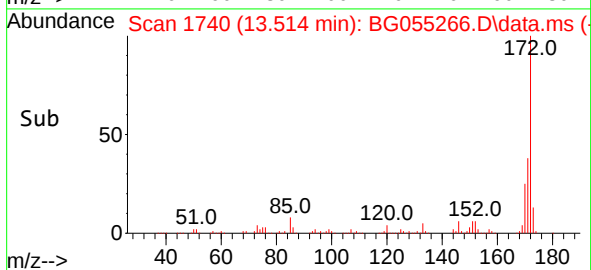
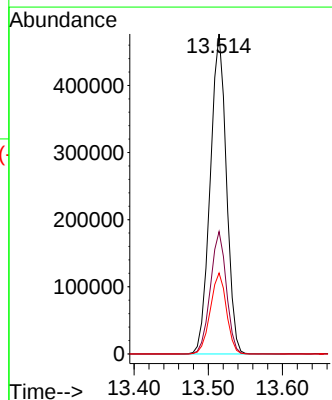
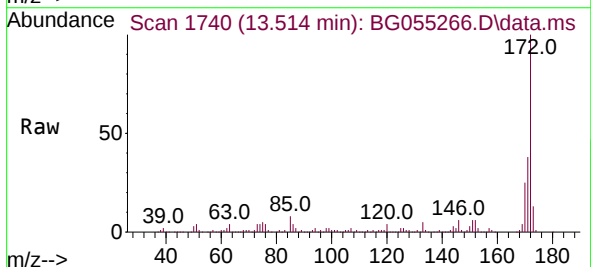
Instrument :
BNA_G
ClientSampleId :
MW-12

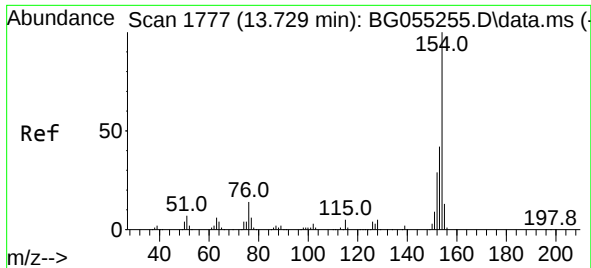
Tgt Ion:330 Resp: 192308
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.0
141 37.2 29.8 44.8



#45
2-Fluorobiphenyl
Concen: 106.328 ng
RT: 13.514 min Scan# 1740
Delta R.T. -0.003 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

Tgt Ion:172 Resp: 721055
Ion Ratio Lower Upper
172 100
171 38.2 29.7 44.5
170 25.3 20.2 30.2

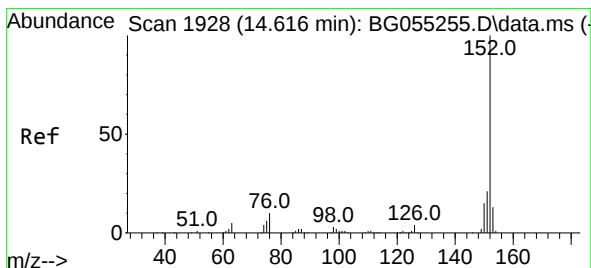
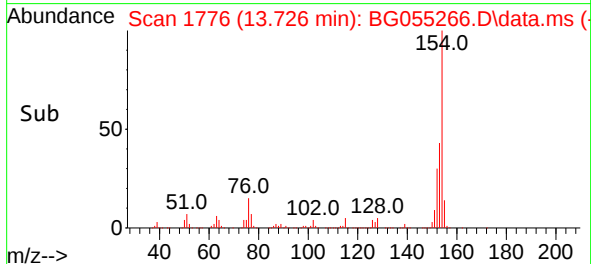
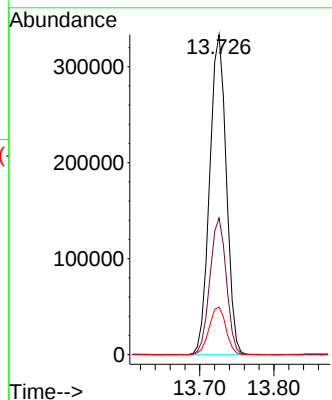
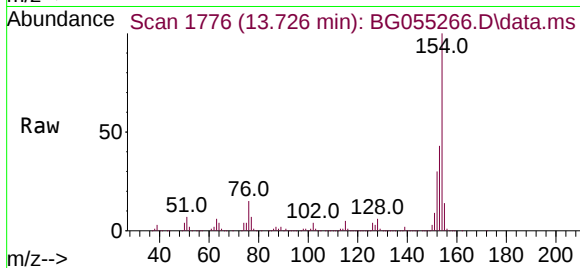




#46
1,1'-Biphenyl
Concen: 68.163 ng
RT: 13.726 min Scan# 1776
Delta R.T. -0.003 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

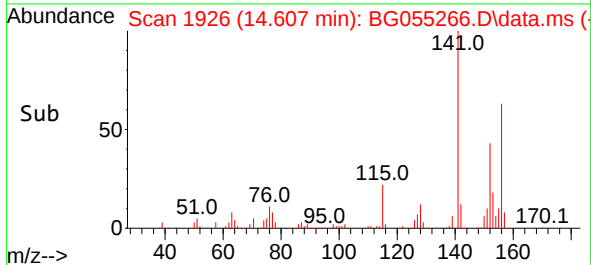
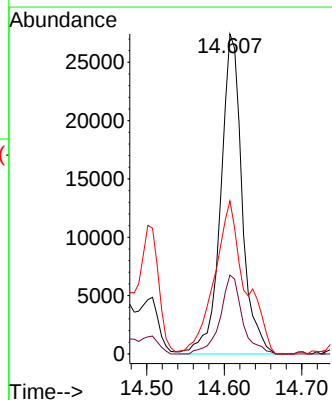
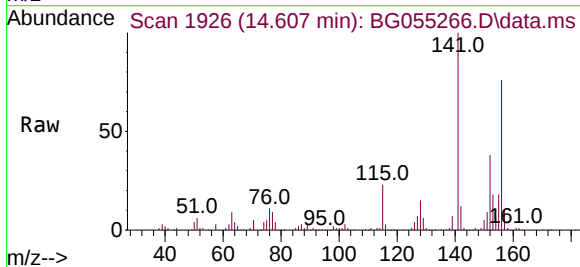
Instrument :
BNA_G
ClientSampleId :
MW-12

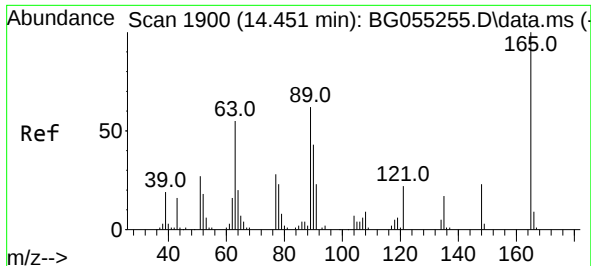
Tgt Ion:154 Resp: 518907
Ion Ratio Lower Upper
154 100
153 42.7 21.5 61.5
76 14.9 0.0 34.2



#49
Acenaphthylene
Concen: 5.065 ng
RT: 14.607 min Scan# 1926
Delta R.T. -0.009 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

Tgt Ion:152 Resp: 52484
Ion Ratio Lower Upper
152 100
151 24.6 16.6 25.0
153 47.8 10.5 15.7#

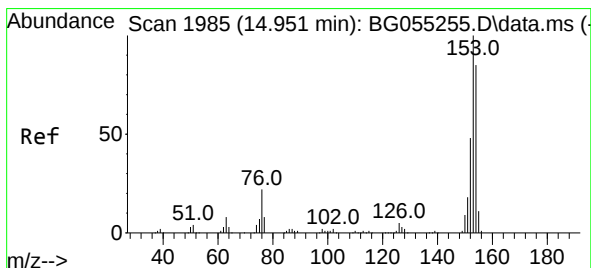
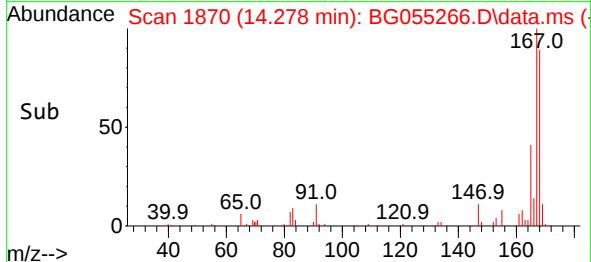
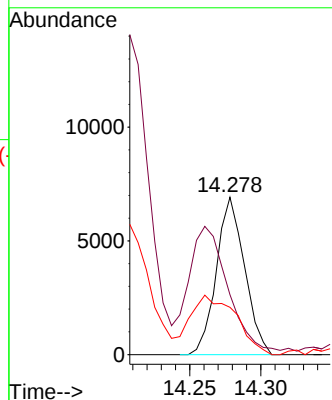
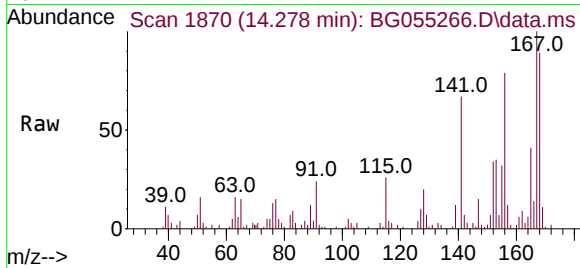




#51
2,6-Dinitrotoluene
Concen: 5.390 ng
RT: 14.278 min Scan# 1870
Delta R.T. -0.173 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

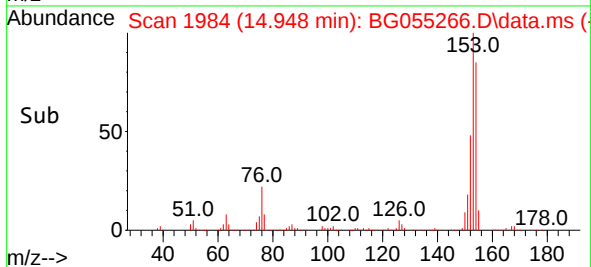
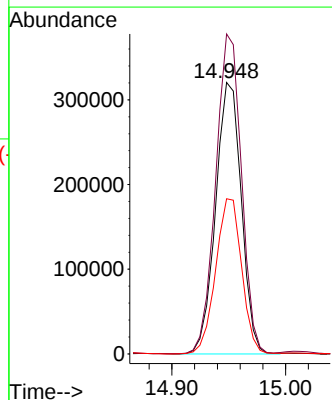
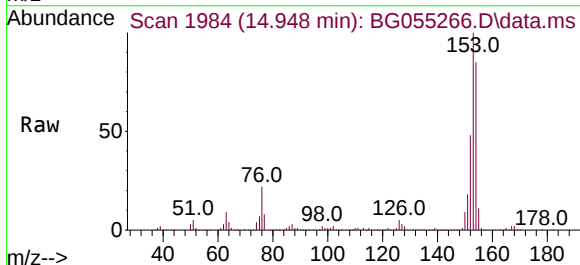
Instrument :
BNA_G
ClientSampleId :
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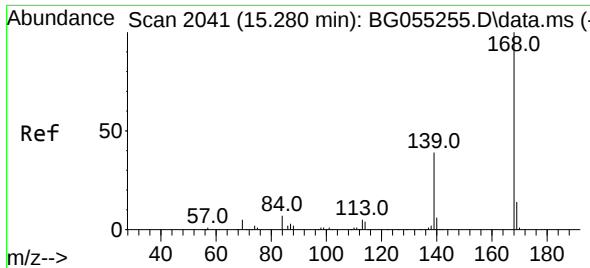
Tgt Ion:165 Resp: 9559
Ion Ratio Lower Upper
165 100
63 38.1 49.2 73.8#
89 30.1 49.9 74.9#



#52
Acenaphthene
Concen: 76.318 ng
RT: 14.948 min Scan# 1984
Delta R.T. -0.003 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

Tgt Ion:154 Resp: 504127
Ion Ratio Lower Upper
154 100
153 117.9 94.3 141.5
152 57.1 45.3 67.9

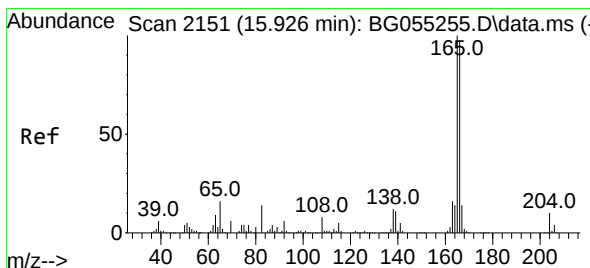
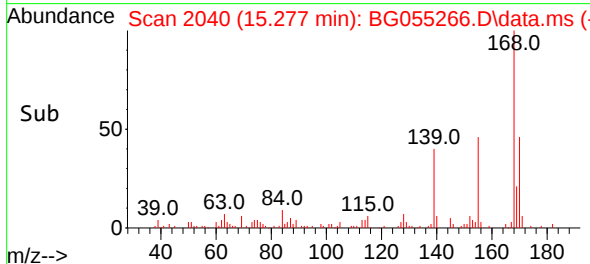
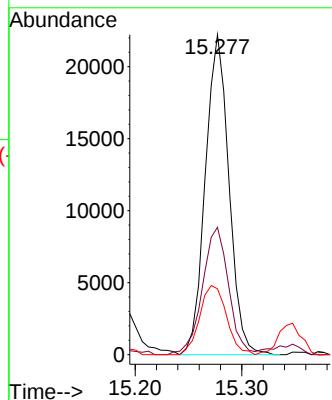
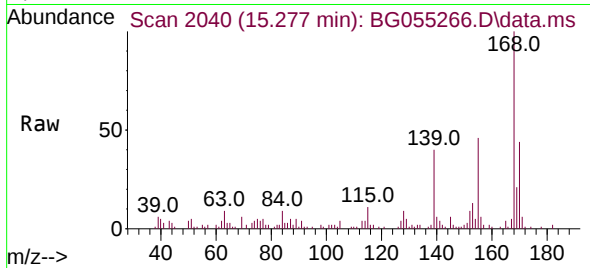




#55
Dibenzofuran
Concen: 3.448 ng
RT: 15.277 min Scan# 2040
Delta R.T. -0.003 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

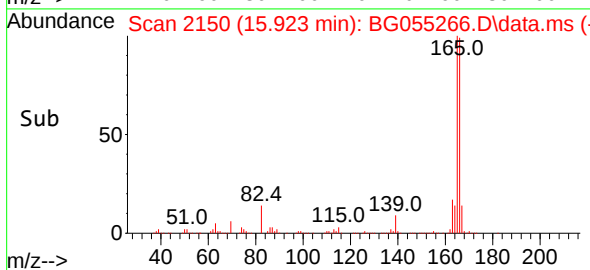
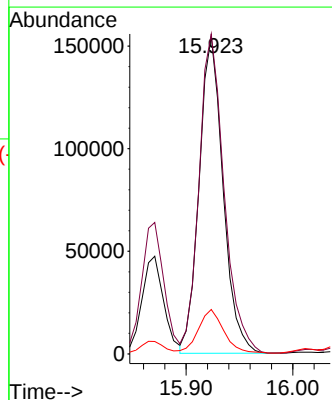
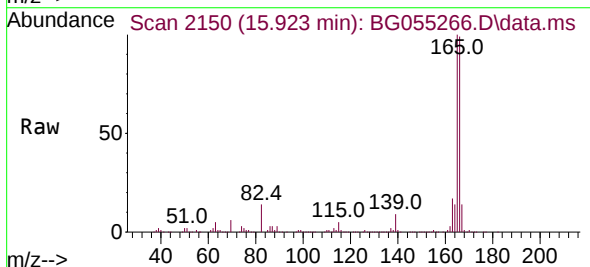
Instrument :
BNA_G
ClientSampleId :
MW-12

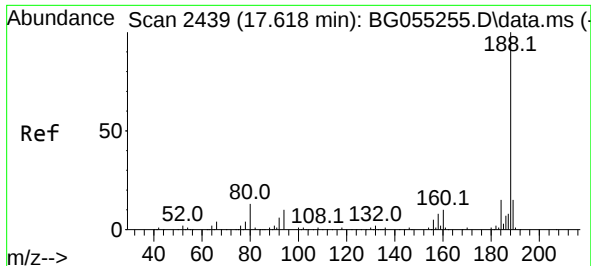
Tgt Ion:168 Resp: 34173
Ion Ratio Lower Upper
168 100
139 39.8 31.6 47.4
169 20.6 11.0 16.4#



#58
Fluorene
Concen: 29.034 ng
RT: 15.923 min Scan# 2150
Delta R.T. -0.003 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

Tgt Ion:166 Resp: 239407
Ion Ratio Lower Upper
166 100
165 100.8 82.4 123.6
167 14.0 11.5 17.3

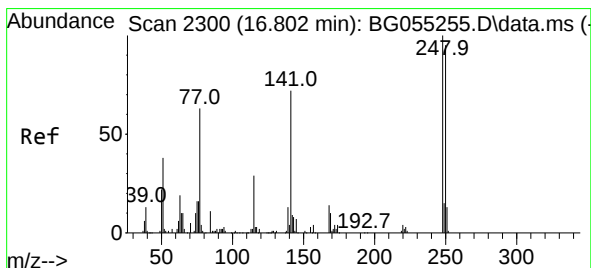
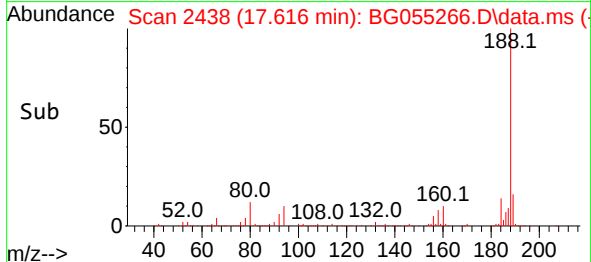
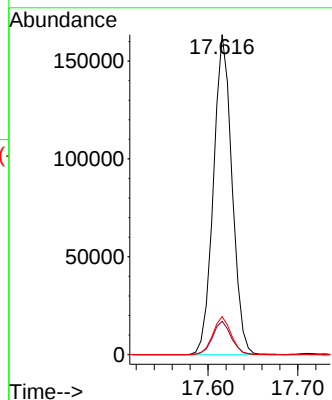
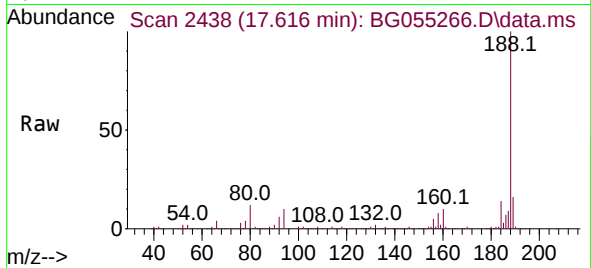




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.616 min Scan# 2439
Delta R.T. -0.002 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

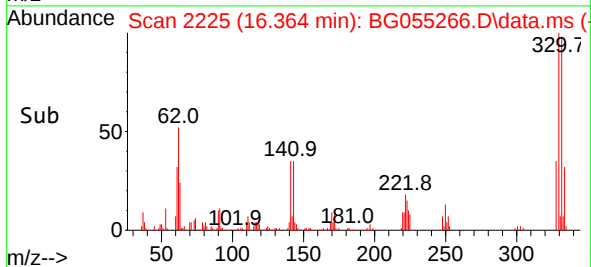
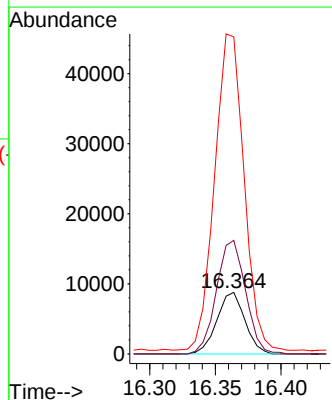
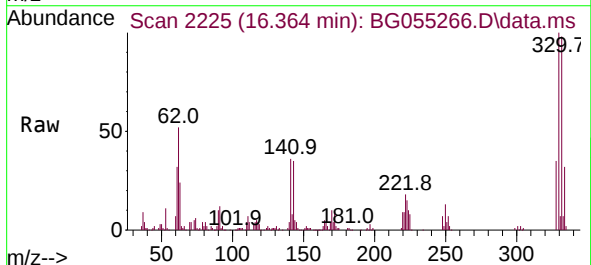
Instrument :
BNA_G
ClientSampleId :
MW-12

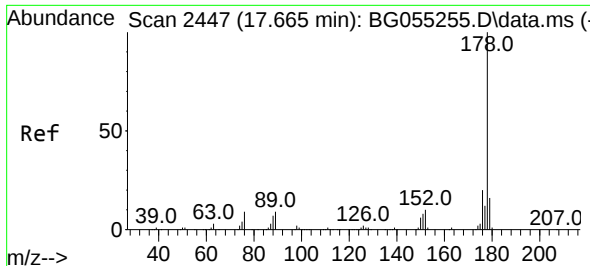
Tgt Ion:188 Resp: 235299
Ion Ratio Lower Upper
188 100
94 10.4 8.2 12.4
80 11.9 10.1 15.1



#67
4-Bromophenyl-phenylether
Concen: 5.696 ng
RT: 16.364 min Scan# 2225
Delta R.T. -0.437 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

Tgt Ion:248 Resp: 13021
Ion Ratio Lower Upper
248 100
250 184.3 76.0 114.0#
141 514.7 58.0 87.0#

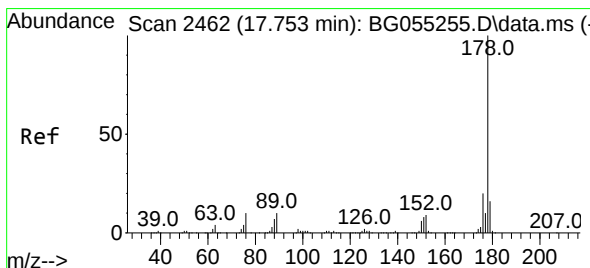
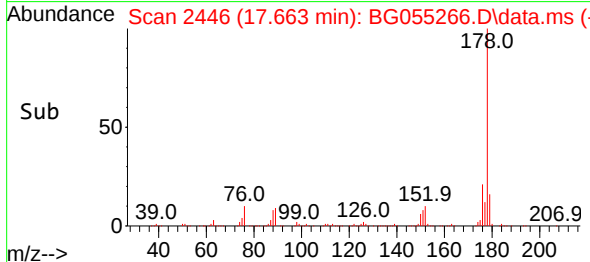
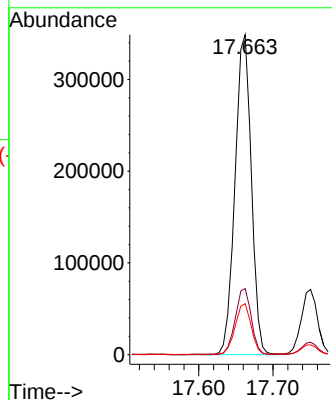
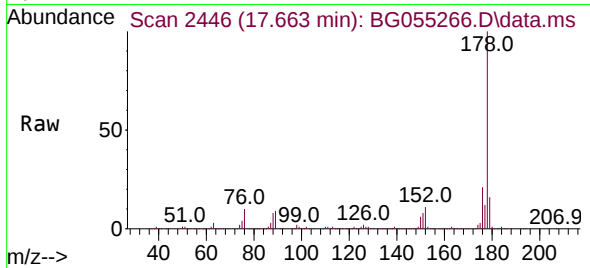




#71
Phenanthrene
Concen: 42.394 ng
RT: 17.663 min Scan# 2446
Delta R.T. -0.003 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

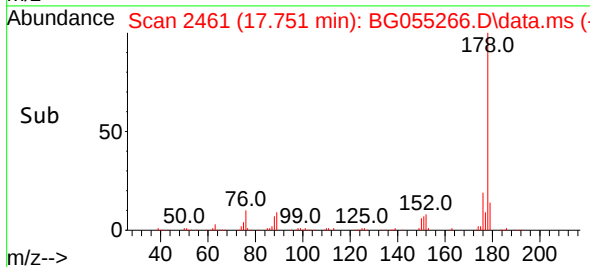
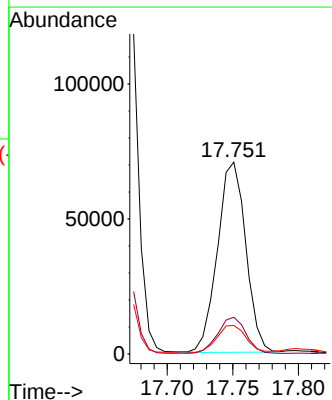
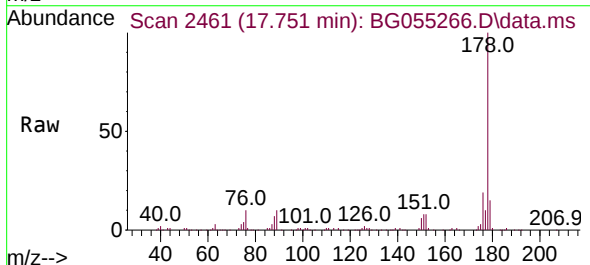
Instrument :
BNA_G
ClientSampleId :
MW-12

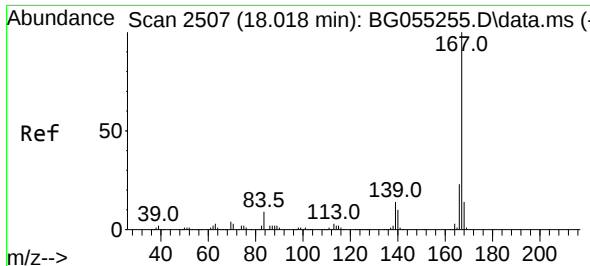
Tgt Ion:178 Resp: 531983
Ion Ratio Lower Upper
178 100
176 20.6 16.0 24.0
179 15.9 12.6 19.0



#72
Anthracene
Concen: 8.630 ng
RT: 17.751 min Scan# 2461
Delta R.T. -0.003 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

Tgt Ion:178 Resp: 105867
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 14.9 12.9 19.3

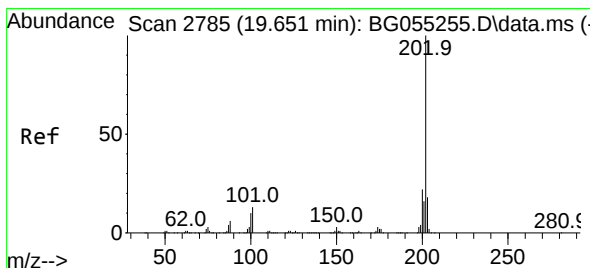
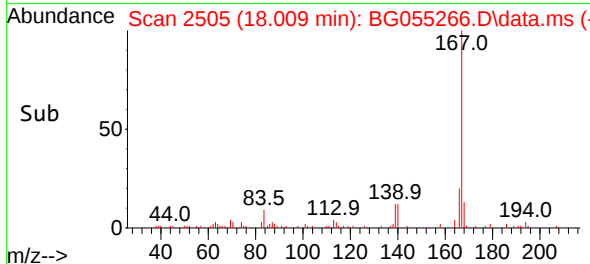
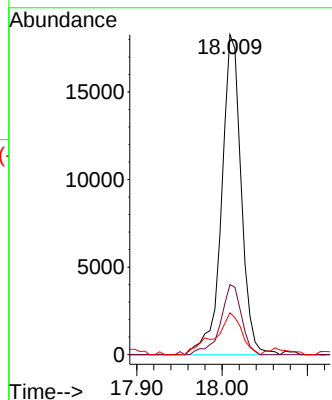
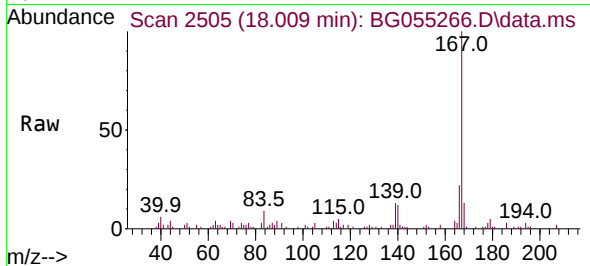




#73
 Carbazole
 Concen: 2.463 ng
 RT: 18.009 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BG055266.D
 Acq: 24 Oct 2022 21:33

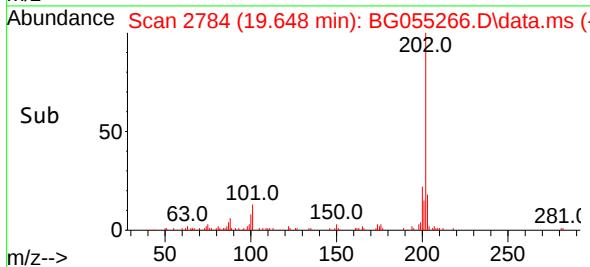
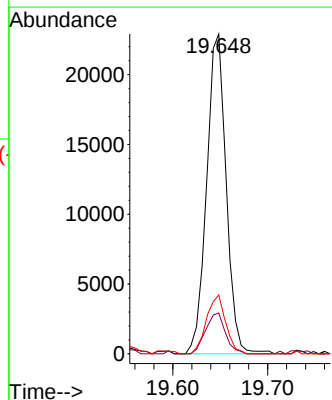
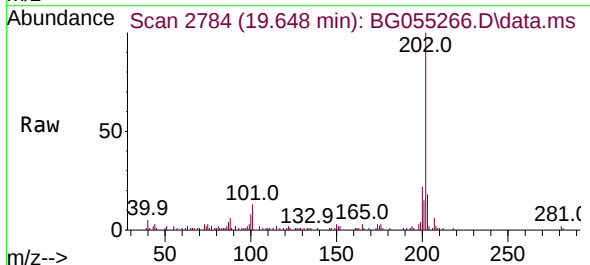
Instrument :
 BNA_G
 ClientSampleId :
 MW-12

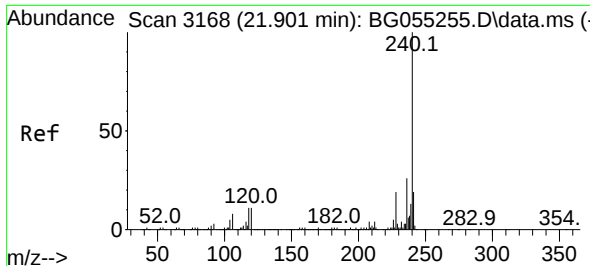
Tgt Ion:	167	Resp:	29063
Ion Ratio	Lower	Upper	
167	100		
166	21.9	18.6	27.8
139	13.1	10.9	16.3



#75
 Fluoranthene
 Concen: 2.248 ng
 RT: 19.648 min Scan# 2784
 Delta R.T. -0.003 min
 Lab File: BG055266.D
 Acq: 24 Oct 2022 21:33

Tgt Ion:	202	Resp:	32872
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	32.6
203	18.4	0.0	38.3

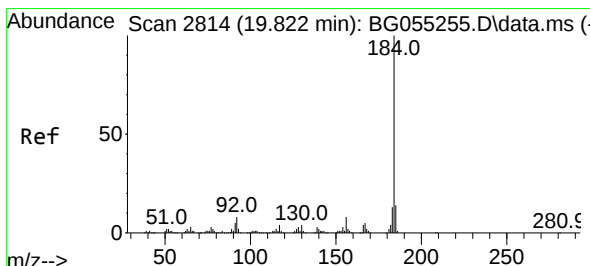
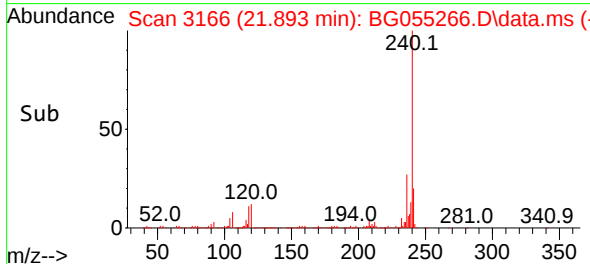
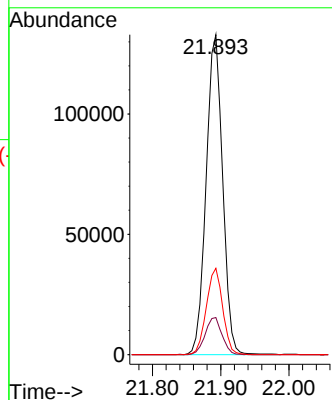
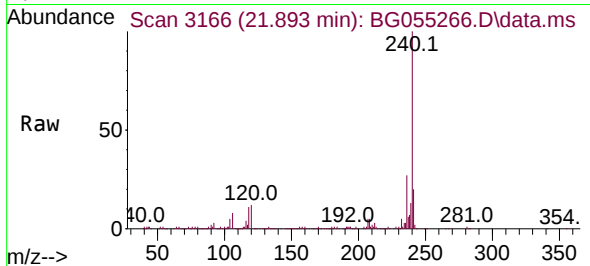




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.893 min Scan# 3166
Delta R.T. -0.009 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

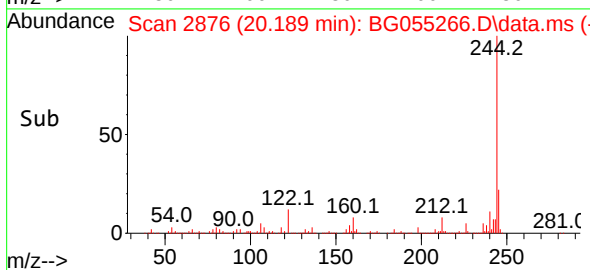
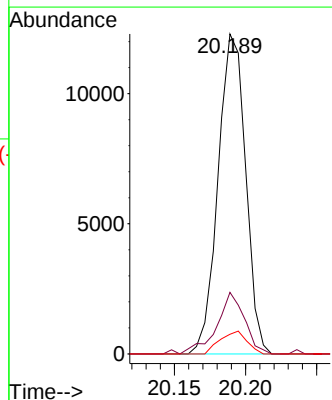
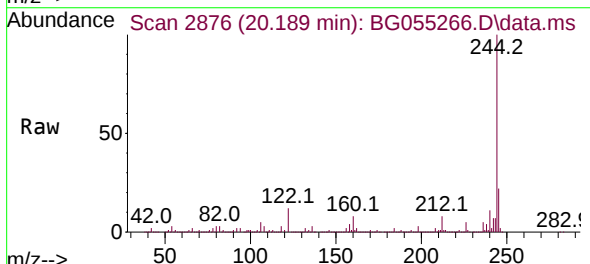
Instrument :
BNA_G
ClientSampleId :
MW-12

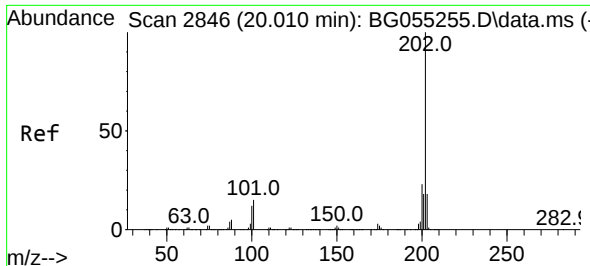
Tgt Ion:240 Resp: 223620
Ion Ratio Lower Upper
240 100
120 11.6 8.9 13.3
236 27.0 21.0 31.4



#77
Benzidine
Concen: 3.062 ng
RT: 20.189 min Scan# 2876
Delta R.T. 0.367 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

Tgt Ion:184 Resp: 16581
Ion Ratio Lower Upper
184 100
185 19.2 11.0 16.6#
183 6.1 10.0 15.0#

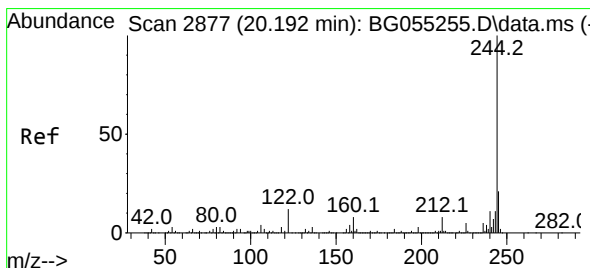
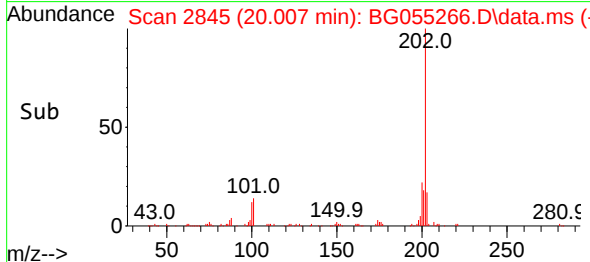
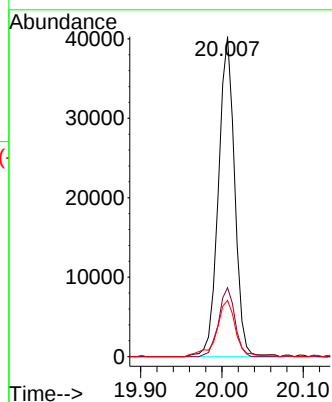
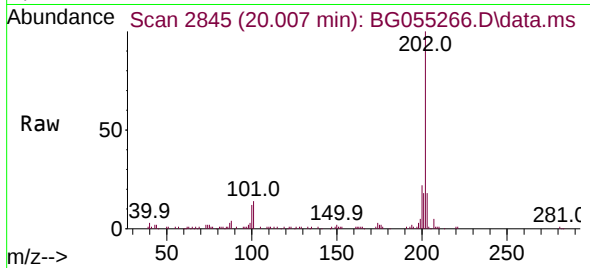




#78
 Pyrene
 Concen: 3.647 ng
 RT: 20.007 min Scan# 2846
 Delta R.T. -0.003 min
 Lab File: BG055266.D
 Acq: 24 Oct 2022 21:33

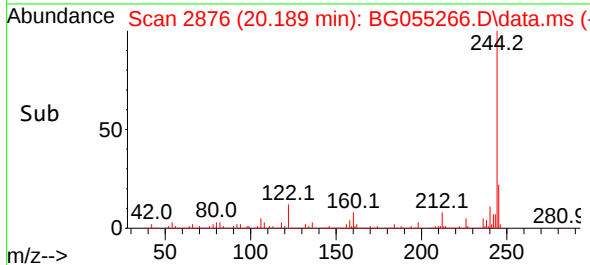
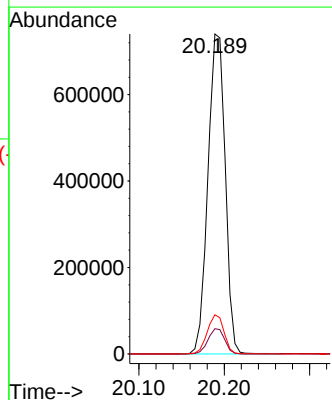
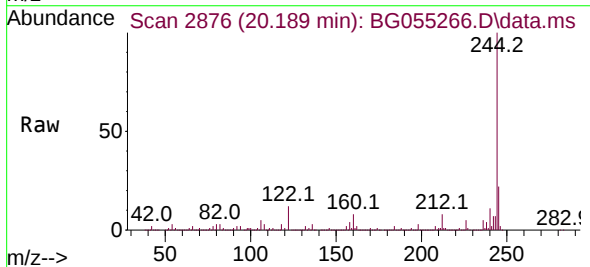
Instrument :
 BNA_G
 ClientSampleId :
 MW-12

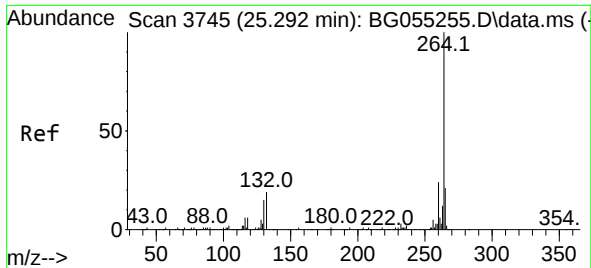
Tgt Ion:202	Resp:	55894
Ion Ratio	Lower	Upper
202	100	
200	21.5	18.0 27.0
203	17.6	14.3 21.5



#79
 Terphenyl-d14
 Concen: 96.782 ng
 RT: 20.189 min Scan# 2876
 Delta R.T. -0.003 min
 Lab File: BG055266.D
 Acq: 24 Oct 2022 21:33

Tgt Ion:244	Resp:	1041655
Ion Ratio	Lower	Upper
244	100	
212	7.9	6.0 9.0
122	12.2	9.6 14.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.283 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

Instrument :
BNA_G
ClientSampleId :
MW-12

Tgt Ion:264 Resp: 236407

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.4	17.4	26.2

