

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102622\
 Data File : BG055306.D
 Acq On : 26 Oct 2022 19:53
 Operator : CG/JU
 Sample : N5222-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-2

Quant Time: Oct 27 10:40:32 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

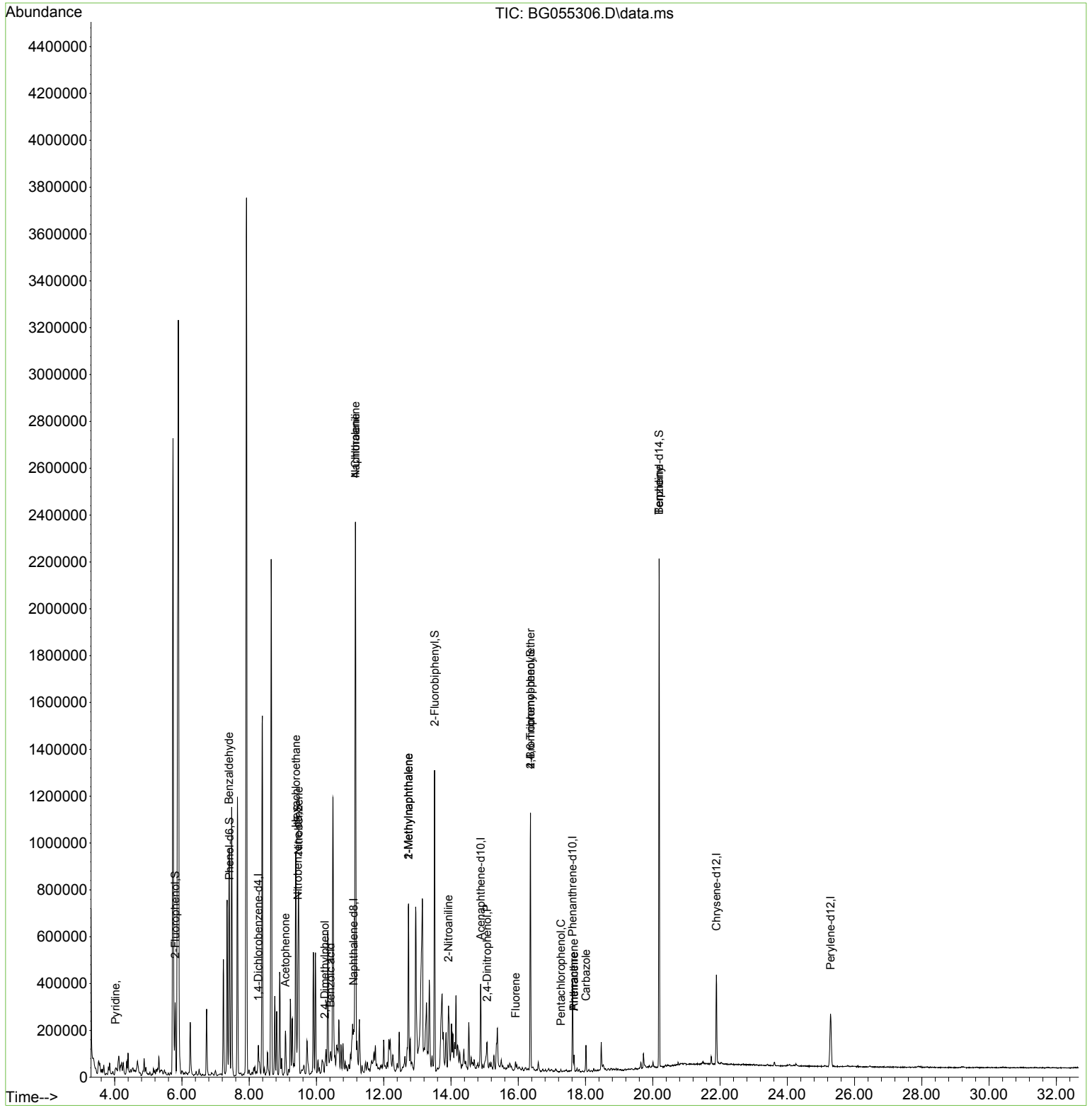
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.273	152	35566	20.000	ng	0.00
21) Naphthalene-d8	11.105	136	151100	20.000	ng	0.00
39) Acenaphthene-d10	14.883	164	115235	20.000	ng	0.00
64) Phenanthrene-d10	17.615	188	238915	20.000	ng	0.00
76) Chrysene-d12	21.893	240	230390	20.000	ng	0.00
86) Perylene-d12	25.289	264	237565	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.800	112	130445	64.220	ng	0.00
7) Phenol-d6	7.416	99	103125	35.044	ng	0.00
23) Nitrobenzene-d5	9.448	82	283081	95.665	ng	0.00
42) 2,4,6-Tribromophenol	16.364	330	207693	165.796	ng	0.00
45) 2-Fluorobiphenyl	13.514	172	653807	92.864	ng	0.00
79) Terphenyl-d14	20.189	244	1061607	95.737	ng	0.00
Target Compounds						
3) Pyridine	4.025	79	6084	2.060	ng	# 49
9) Benzaldehyde	7.404	77	71945	35.807	ng	# 1
18) Hexachloroethane	9.390	117	136301	145.444	ng	# 1
22) Acetophenone	9.078	105	148543	38.453	ng	# 57
24) Nitrobenzene	9.472	77	23390	7.591	ng	# 1
27) 2,4-Dimethylphenol	10.253	122	14911	7.079	ng	98
31) Naphthalene	11.158	128	1938761	240.521	ng	95
32) Benzoic acid	10.418	122	54274	35.305	ng	89
33) 4-Chloroaniline	11.158	127	295222	85.668	ng	# 32
37) 2-Methylnaphthalene	12.739	142	337534	58.079	ng	99
38) 1-Methylnaphthalene	12.739	142	337534	58.870	ng	97
48) 2-Nitroaniline	13.926	65	11102	4.555	ng	# 27
54) 2,4-Dinitrophenol	15.077	184	123	4.184	ng	# 1
58) Fluorene	15.923	166	17131	2.001	ng	99
67) 4-Bromophenyl-phenylether	16.364	248	13468	5.802	ng	# 1
70) Pentachlorophenol	17.269	266	2185	3.970	ng	98
71) Phenanthrene	17.656	178	36531	2.867	ng	97
72) Anthracene	17.656	178	36531	2.933	ng	97
73) Carbazole	18.015	167	70748	5.905	ng	99
77) Benzidine	20.189	184	16957	3.040	ng	# 90

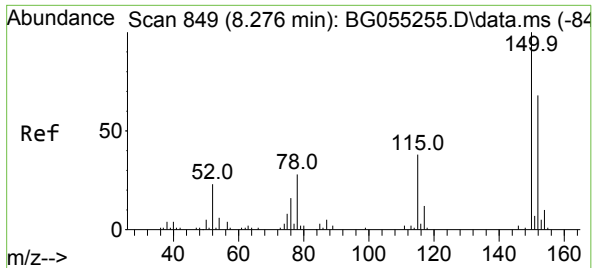
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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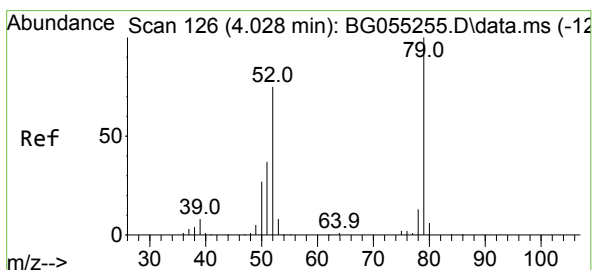
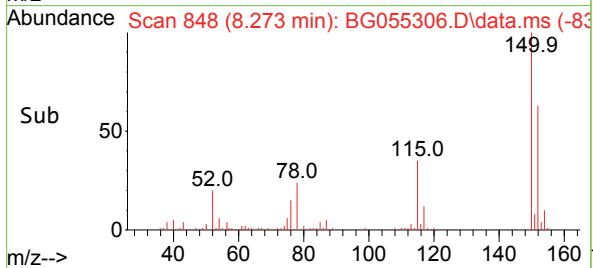
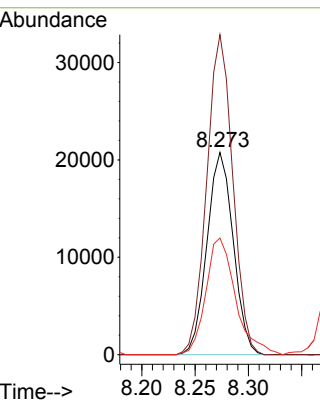
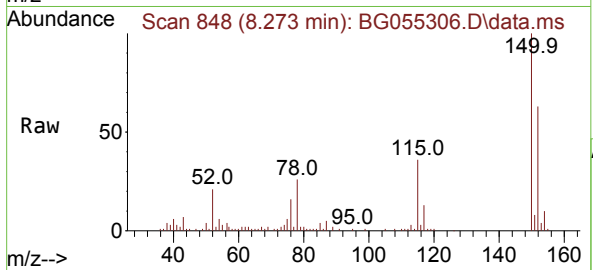




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.273 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

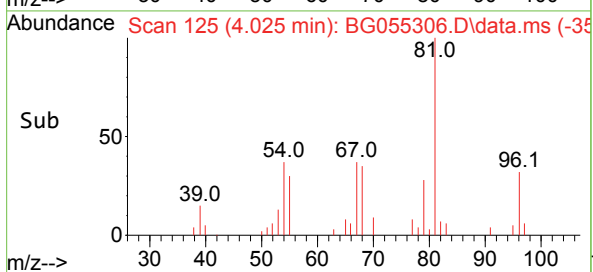
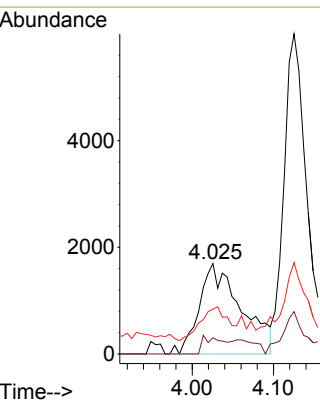
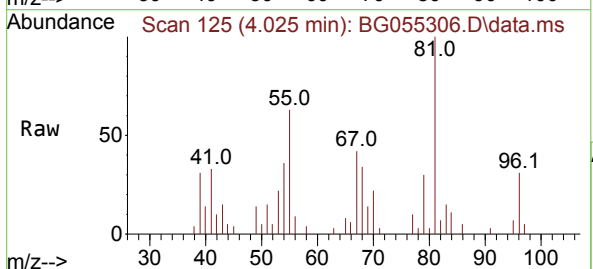
Instrument : BNA_G
 ClientSampleId : MW-2

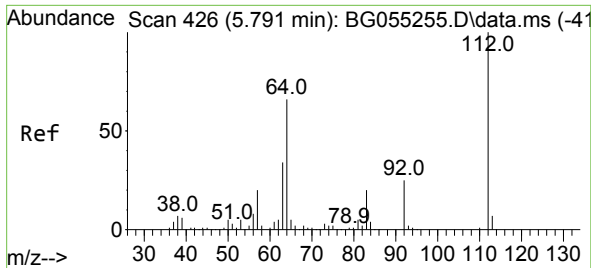
Tgt Ion	Resp	Lower	Upper
152	100		
150	158.2	118.2	177.4
115	57.6	44.5	66.7



#3
 Pyridine
 Concen: 2.060 ng
 RT: 4.025 min Scan# 125
 Delta R.T. -0.003 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

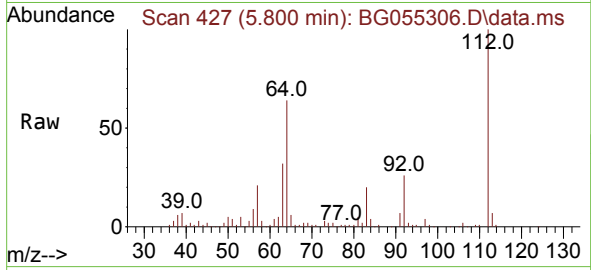
Tgt Ion	Resp	Lower	Upper
79	100		
52	17.9	59.9	89.9#
51	49.6	30.3	45.5#





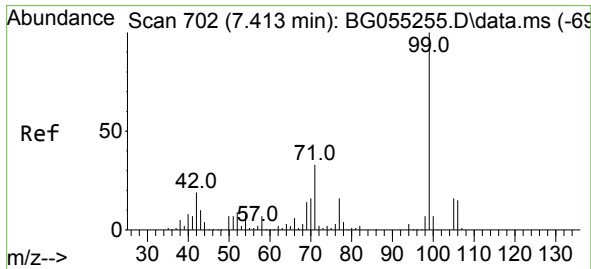
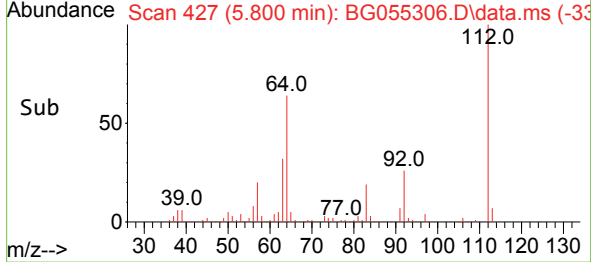
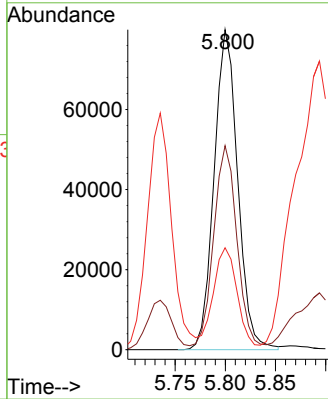
#5
 2-Fluorophenol
 Concen: 64.220 ng
 RT: 5.800 min Scan# 41
 Delta R.T. 0.009 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

Instrument :
 BNA_G
 ClientSampleId :
 MW-2



Tgt Ion:112 Resp: 130445

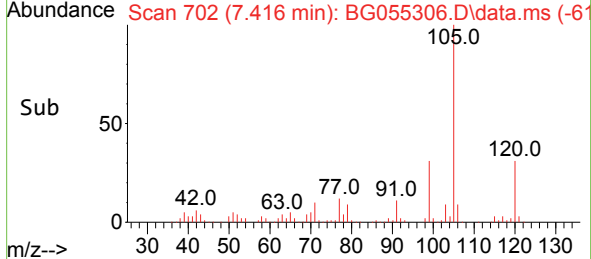
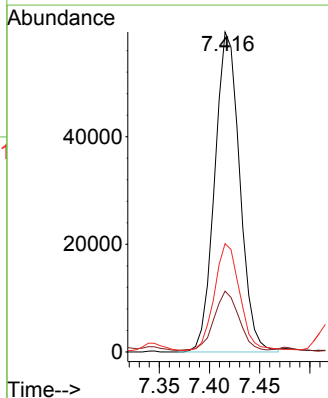
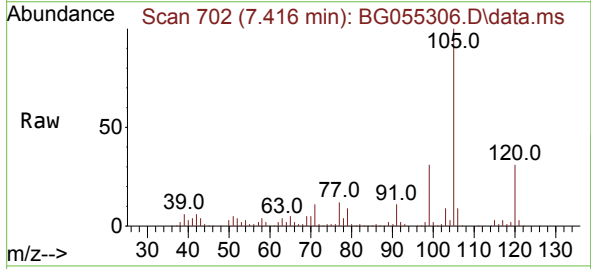
Ion	Ratio	Lower	Upper
112	100		
64	63.7	52.6	78.8
63	31.9	27.1	40.7

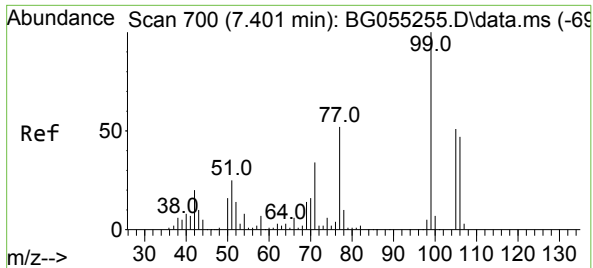


#7
 Phenol-d6
 Concen: 35.044 ng
 RT: 7.416 min Scan# 702
 Delta R.T. 0.003 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

Tgt Ion: 99 Resp: 103125

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.2	22.8
71	33.9	26.2	39.4

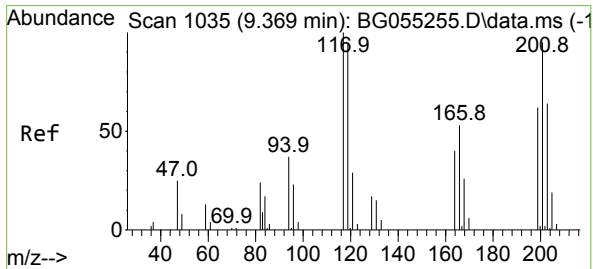
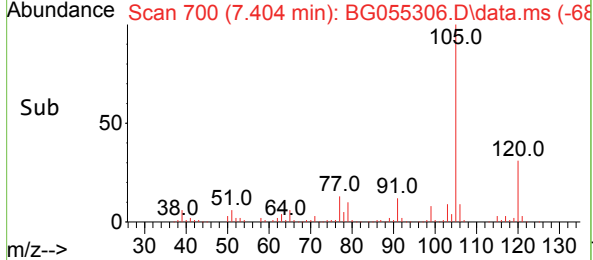
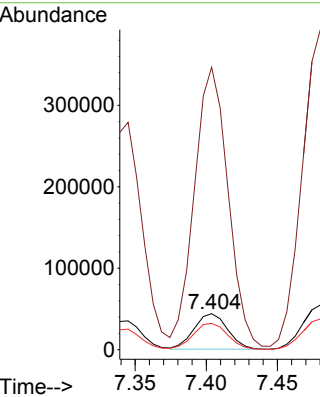
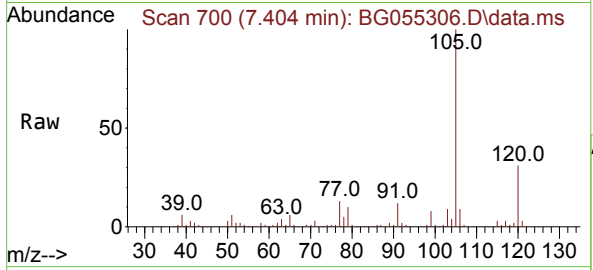




#9
Benzaldehyde
Concen: 35.807 ng
RT: 7.404 min Scan# 700
Delta R.T. 0.003 min
Lab File: BG055306.D
Acq: 26 Oct 2022 19:53

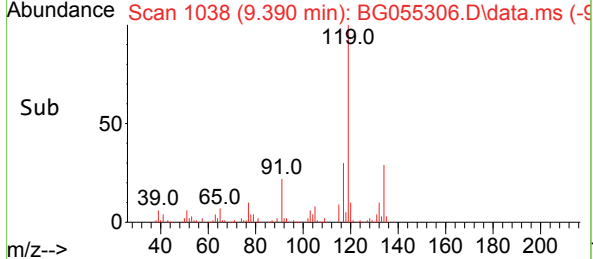
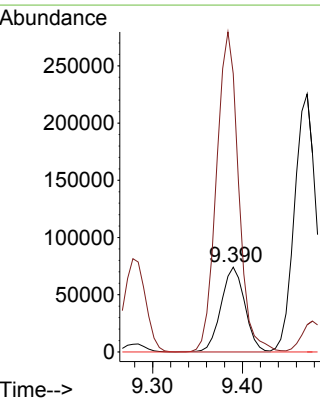
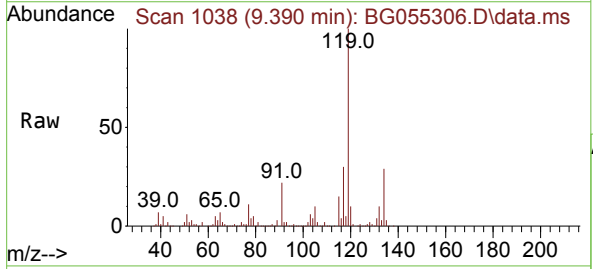
Instrument : BNA_G
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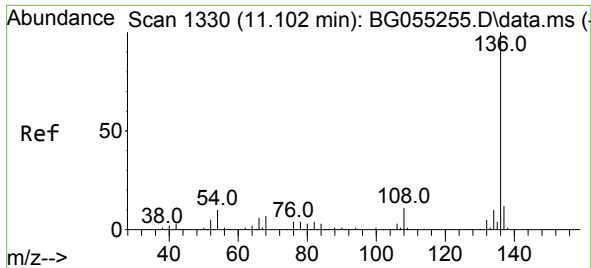
Tgt Ion	Resp	Lower	Upper
77	100		
105	783.5	77.9	117.9#
106	72.7	69.9	109.9



#18
Hexachloroethane
Concen: 145.444 ng
RT: 9.390 min Scan# 1038
Delta R.T. 0.021 min
Lab File: BG055306.D
Acq: 26 Oct 2022 19:53

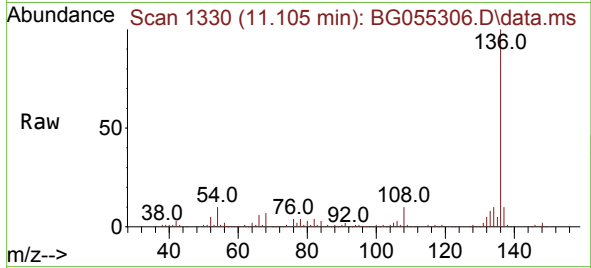
Tgt Ion	Resp	Lower	Upper
117	100		
119	328.1	75.4	113.2#
201	0.0	75.8	113.8#



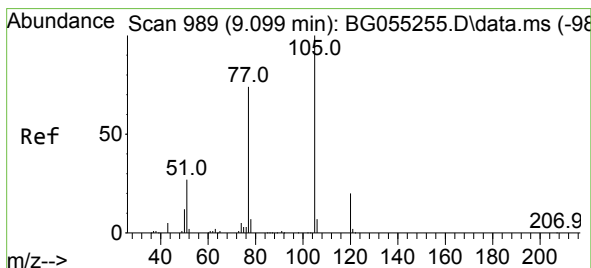
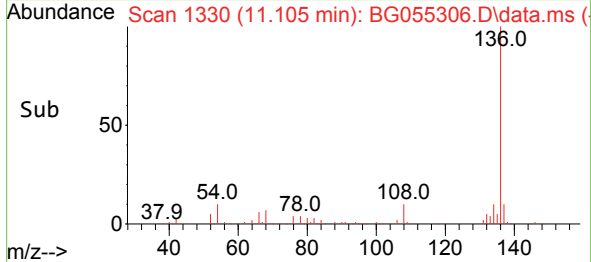
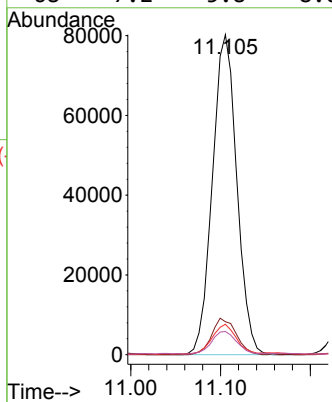


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 11.105 min Scan# 111
 Delta R.T. 0.003 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

Instrument :
 BNA_G
 ClientSampleId :
 MW-2

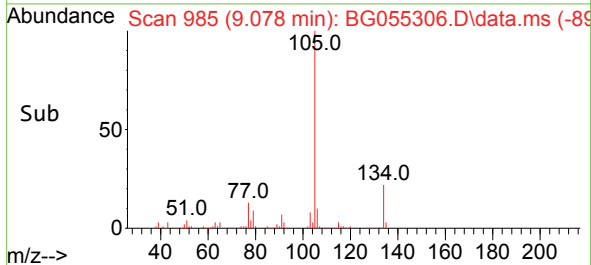
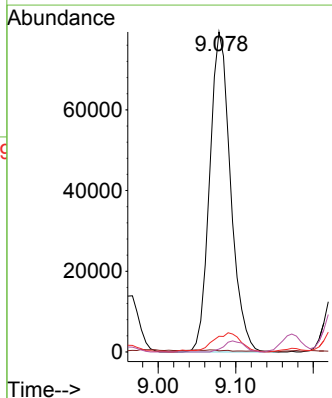
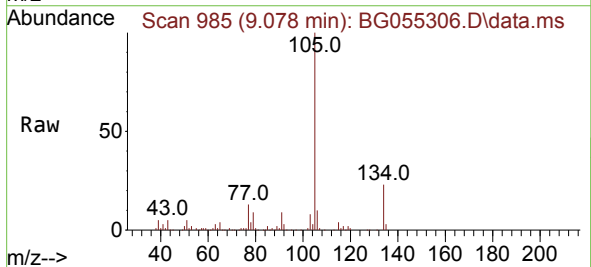


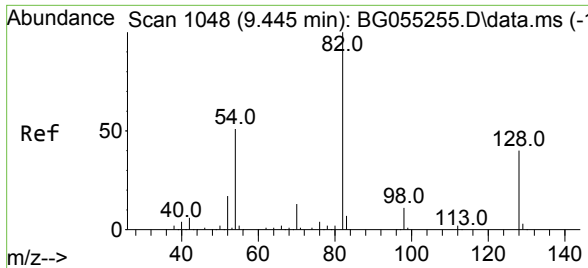
Tgt Ion:136 Resp: 151100
 Ion Ratio Lower Upper
 136 100
 137 10.3 9.2 13.8
 54 9.5 7.8 11.8
 68 7.2 5.8 8.6



#22
 Acetophenone
 Concen: 38.453 ng
 RT: 9.078 min Scan# 985
 Delta R.T. -0.021 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

Tgt Ion:105 Resp: 148543
 Ion Ratio Lower Upper
 105 100
 71 0.4 0.8 1.2#
 51 4.9 22.9 34.3#
 120 0.9 16.2 24.4#



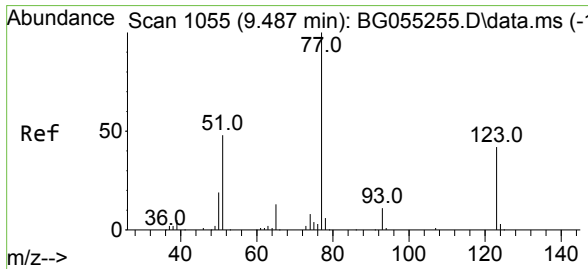
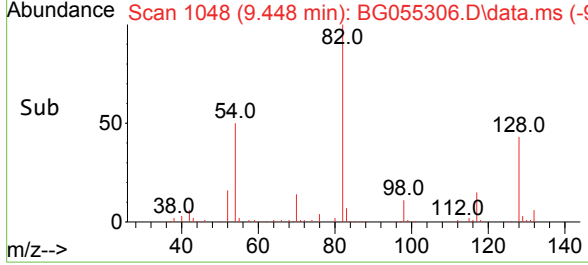
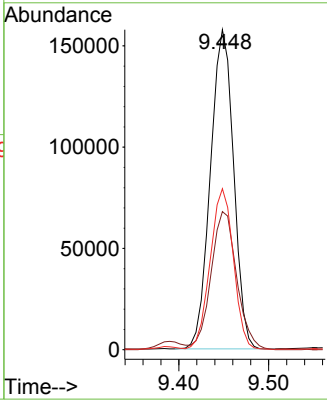
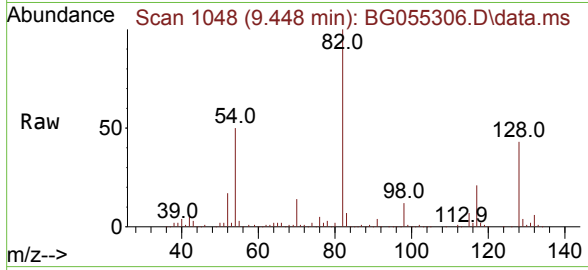


#23
 Nitrobenzene-d5
 Concen: 95.665 ng
 RT: 9.448 min Scan# 1048
 Delta R.T. 0.003 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

Instrument : BNA_G
 Client SampleId : MW-2

Tgt Ion: 82 Resp: 283081

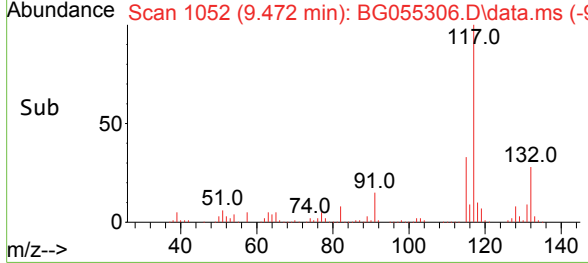
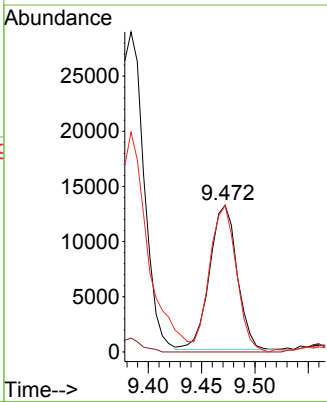
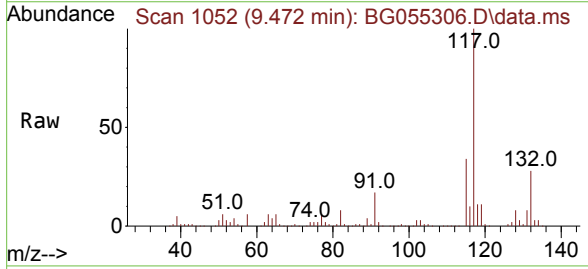
Ion	Ratio	Lower	Upper
82	100		
128	43.2	32.0	48.0
54	50.3	40.9	61.3

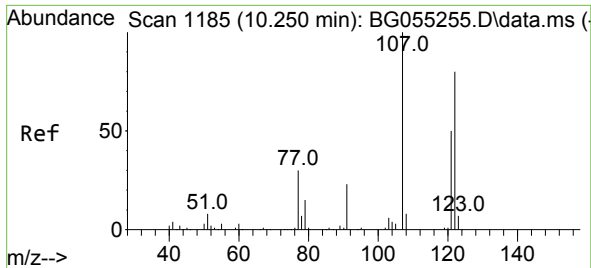


#24
 Nitrobenzene
 Concen: 7.591 ng
 RT: 9.472 min Scan# 1052
 Delta R.T. -0.015 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

Tgt Ion: 77 Resp: 23390

Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.6	50.4#
65	99.8	10.2	15.4#

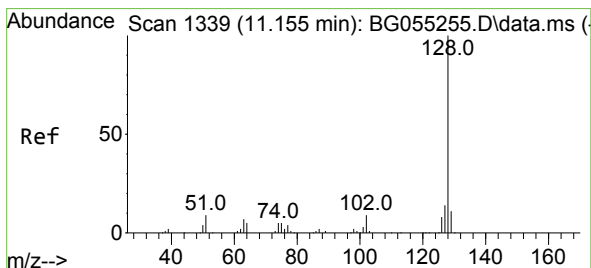
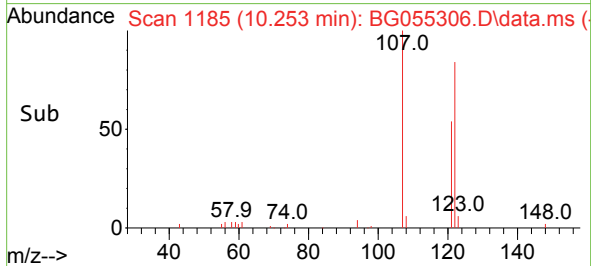
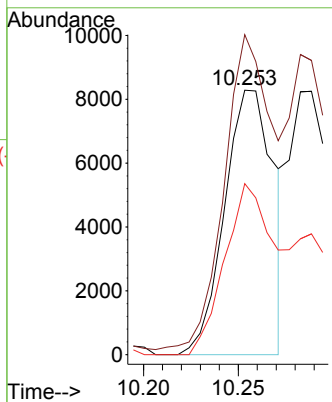
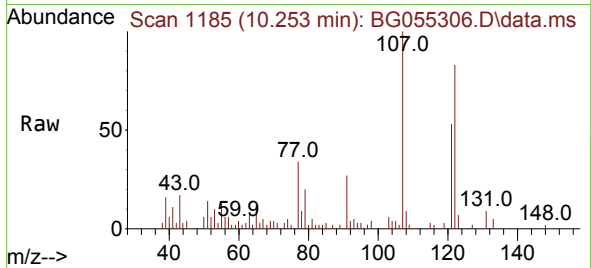




#27
 2,4-Dimethylphenol
 Concen: 7.079 ng
 RT: 10.253 min Scan# 1185
 Delta R.T. 0.003 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

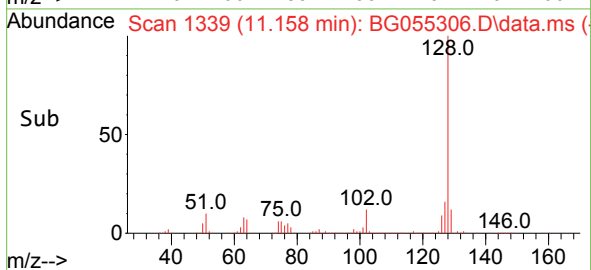
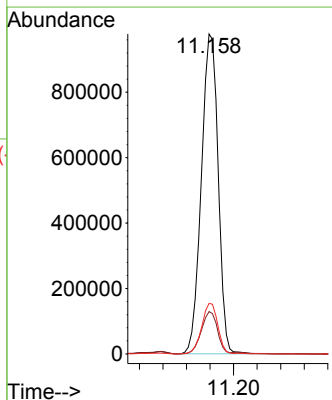
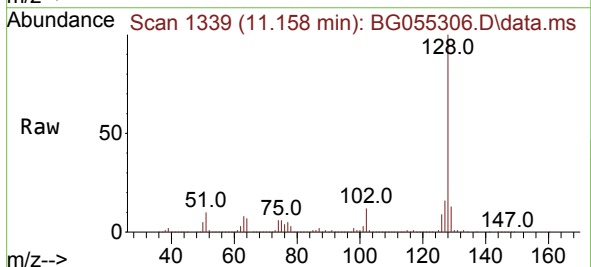
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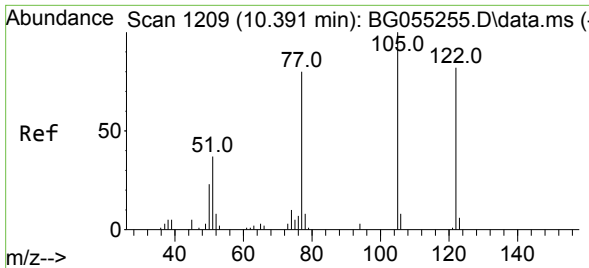
Tgt Ion	Resp	Lower	Upper
122	14911		
107	121.0	97.3	145.9
121	64.7	48.5	72.7



#31
 Naphthalene
 Concen: 240.521 ng
 RT: 11.158 min Scan# 1339
 Delta R.T. 0.003 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

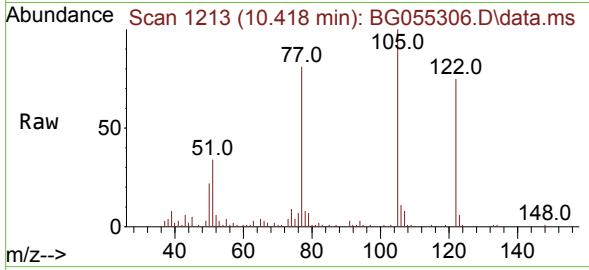
Tgt Ion	Resp	Lower	Upper
128	1938761		
129	13.3	9.0	13.6
127	15.8	11.1	16.7



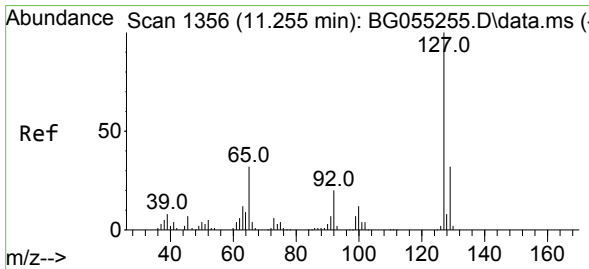
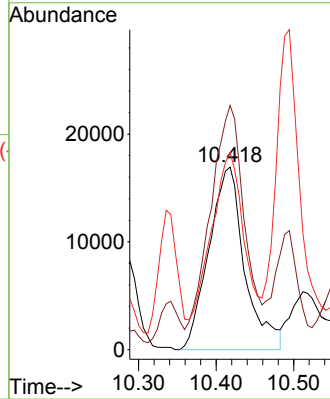
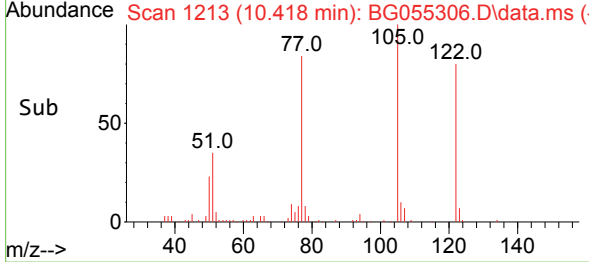


#32
 Benzoic acid
 Concen: 35.305 ng
 RT: 10.418 min Scan# 11
 Delta R.T. 0.027 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

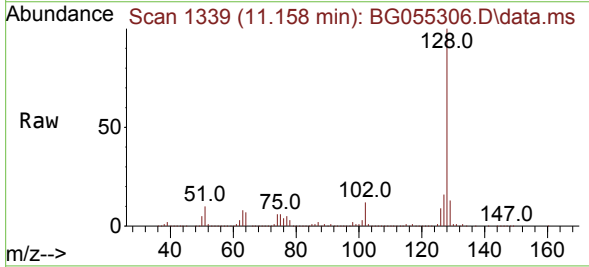
Instrument :
 BNA_G
 ClientSampleId :
 MW-2



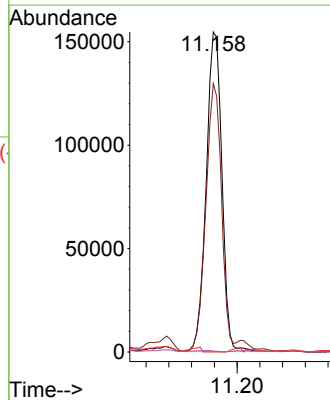
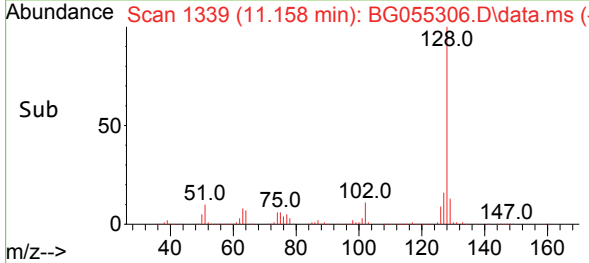
Tgt Ion:122 Resp: 54274
 Ion Ratio Lower Upper
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 105 133.7 101.3 141.3
 77 108.0 76.9 116.9

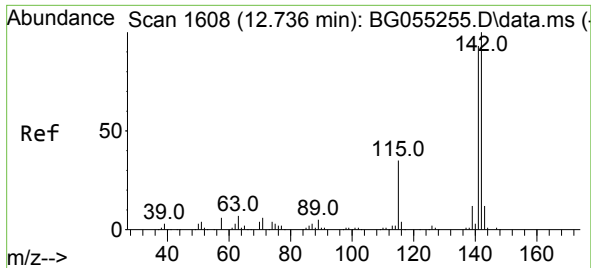


#33
 4-Chloroaniline
 Concen: 85.668 ng
 RT: 11.158 min Scan# 1339
 Delta R.T. -0.097 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53



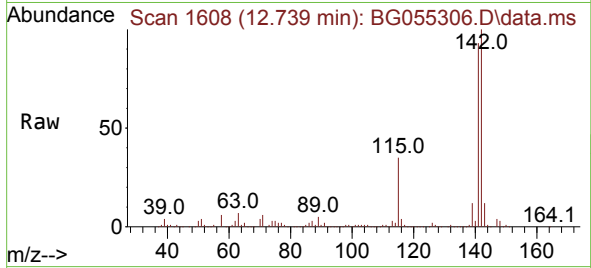
Tgt Ion:127 Resp: 295222
 Ion Ratio Lower Upper
 127 100
 129 83.8 25.4 38.0#
 65 0.0 25.5 38.3#
 92 0.3 16.2 24.2#



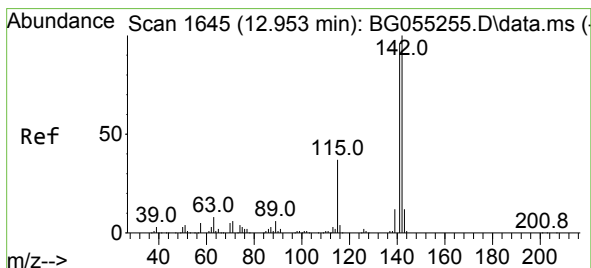
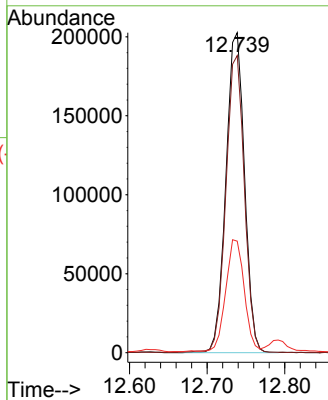
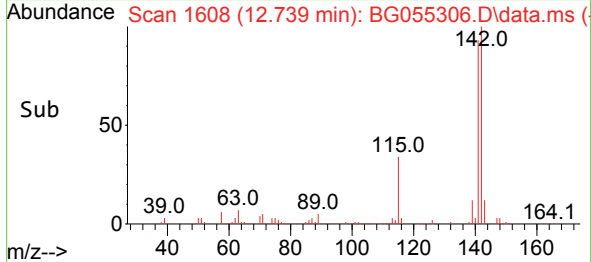


#37
 2-Methylnaphthalene
 Concen: 58.079 ng
 RT: 12.739 min Scan# 1608
 Delta R.T. 0.003 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

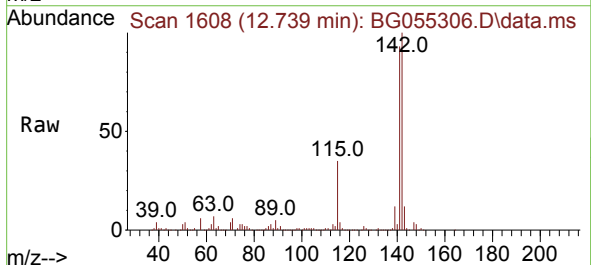
Instrument :
 BNA_G
 ClientSampleId :
 MW-2



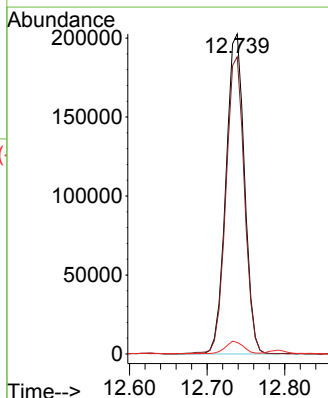
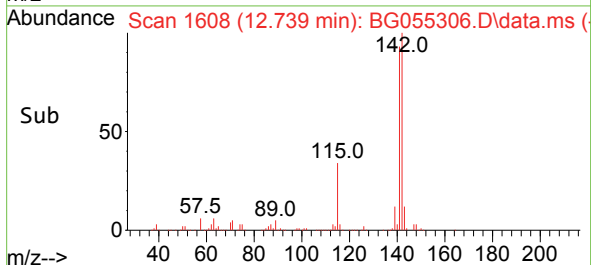
Tgt Ion:142 Resp: 337534
 Ion Ratio Lower Upper
 142 100
 141 92.9 74.0 111.0
 115 34.8 28.3 42.5

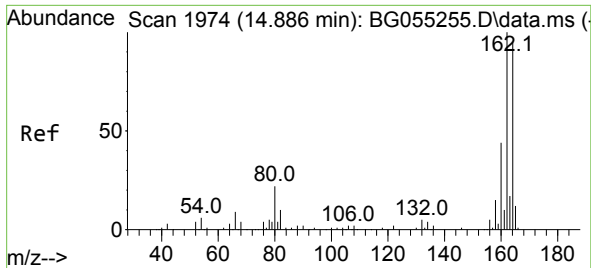


#38
 1-Methylnaphthalene
 Concen: 58.870 ng
 RT: 12.739 min Scan# 1608
 Delta R.T. -0.214 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53



Tgt Ion:142 Resp: 337534
 Ion Ratio Lower Upper
 142 100
 141 92.9 77.1 115.7
 116 3.6 3.0 4.6

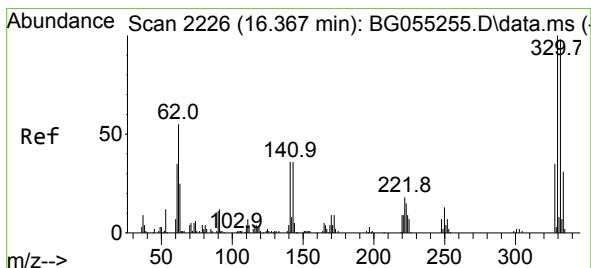
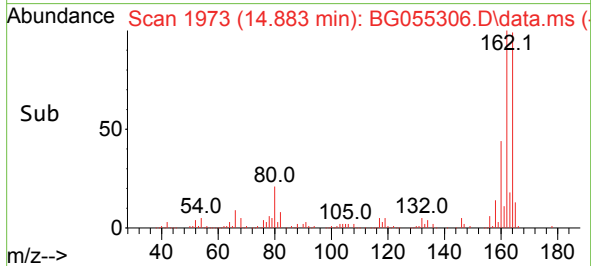
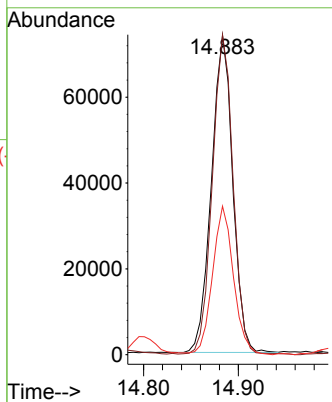
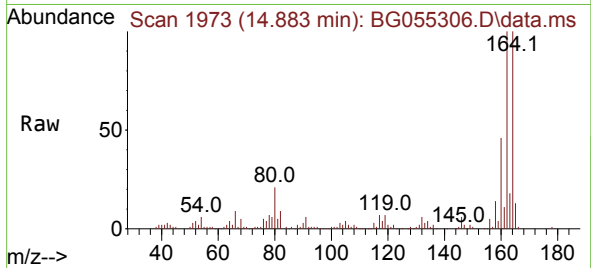




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.883 min Scan# 1973
 Delta R.T. -0.003 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

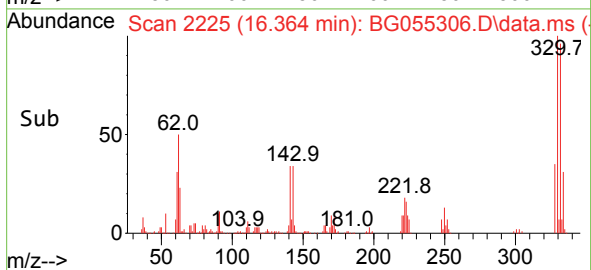
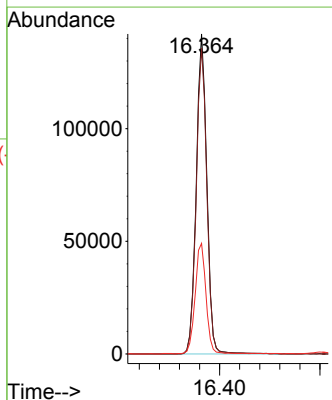
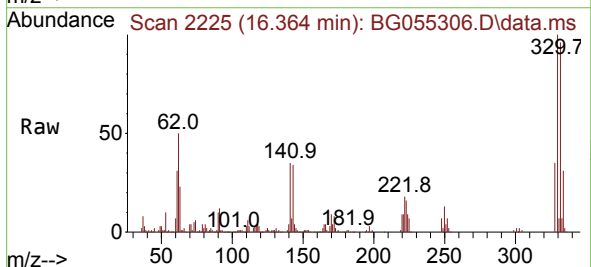
Instrument : BNA_G
 ClientSampleId : MW-2

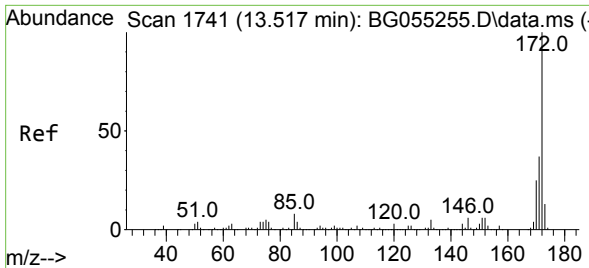
Tgt Ion	Resp	Lower	Upper
164	115235		
162	100.2	84.0	126.0
160	46.5	36.7	55.1



#42
 2,4,6-Tribromophenol
 Concen: 165.796 ng
 RT: 16.364 min Scan# 2225
 Delta R.T. -0.003 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

Tgt Ion	Resp	Lower	Upper
330	207693		
332	95.8	77.4	116.0
141	35.6	29.8	44.8



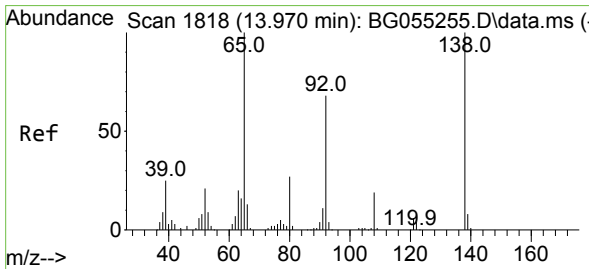
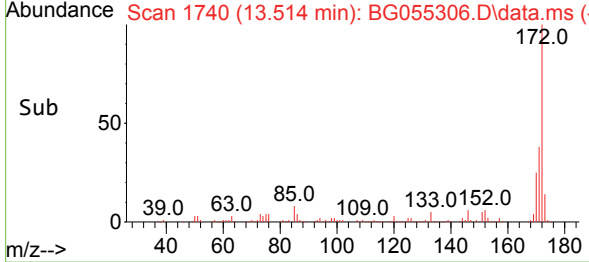
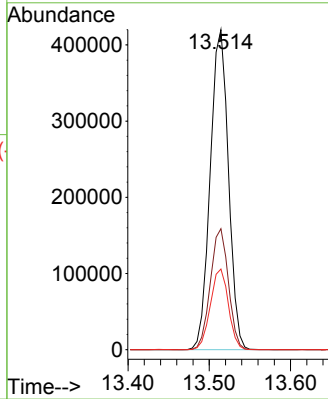
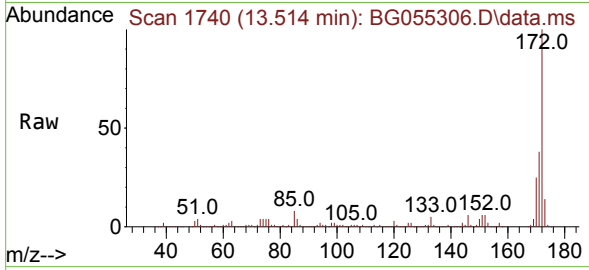


#45
 2-Fluorobiphenyl
 Concen: 92.864 ng
 RT: 13.514 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

Instrument :
 BNA_G
 ClientSampleId :
 MW-2

Tgt Ion: 172 Resp: 653807

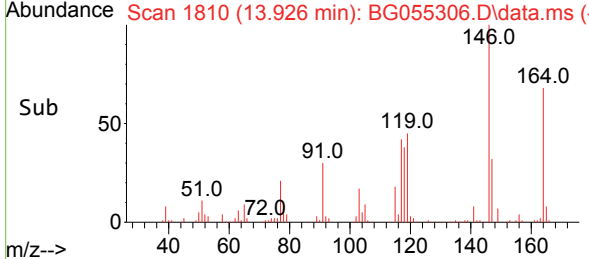
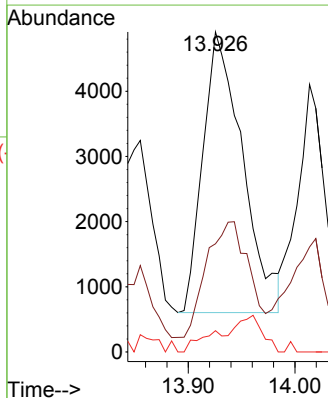
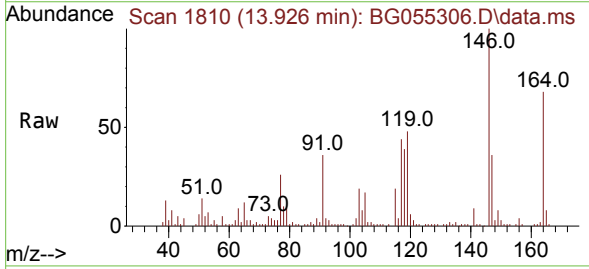
Ion	Ratio	Lower	Upper
172	100		
171	37.8	29.7	44.5
170	25.2	20.2	30.2

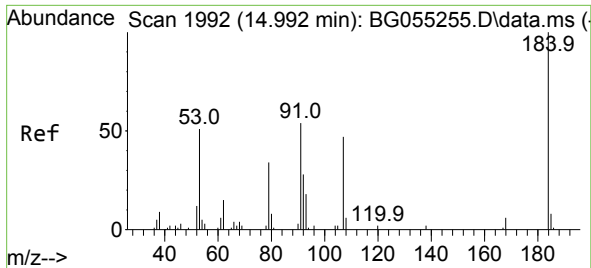


#48
 2-Nitroaniline
 Concen: 4.555 ng
 RT: 13.926 min Scan# 1810
 Delta R.T. -0.044 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

Tgt Ion: 65 Resp: 11102

Ion	Ratio	Lower	Upper
65	100		
92	33.8	54.6	82.0#
138	6.7	80.2	120.4#

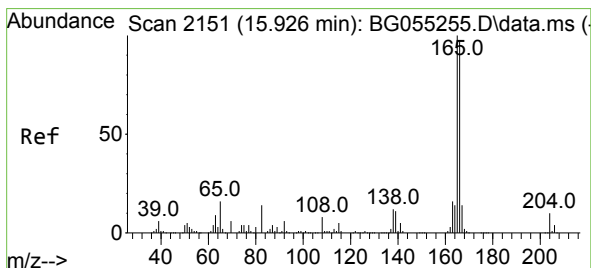
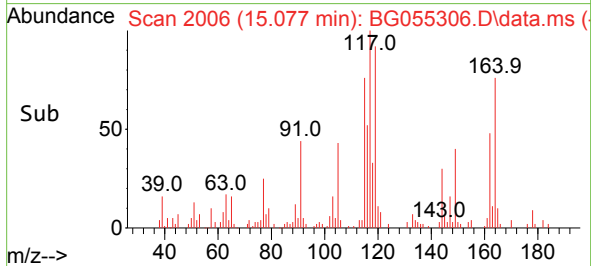
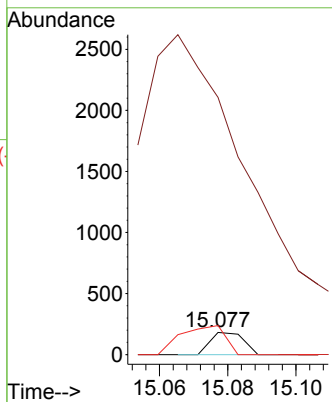
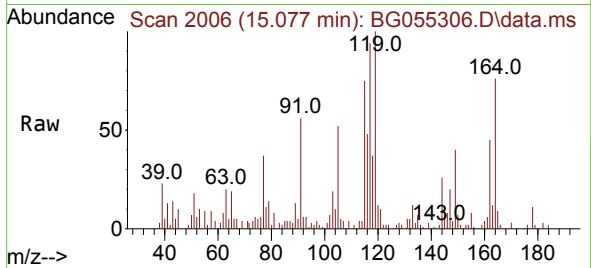




#54
 2,4-Dinitrophenol
 Concen: 4.184 ng
 RT: 15.077 min Scan# 20
 Delta R.T. 0.085 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

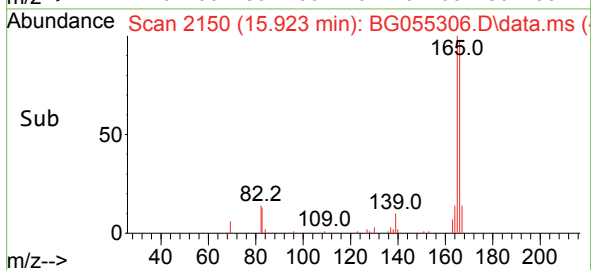
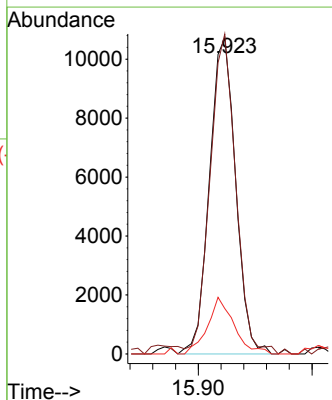
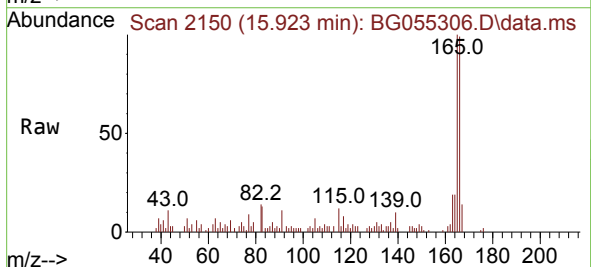
Instrument :
 BNA_G
 ClientSampleId :
 MW-2

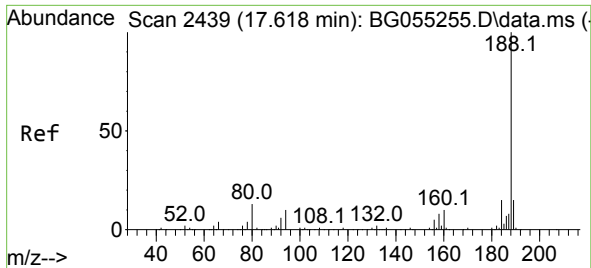
Tgt Ion	Resp	Lower	Upper
184	100		
63	1157.7	55.7	83.5#
154	130.8	49.4	74.0#



#58
 Fluorene
 Concen: 2.001 ng
 RT: 15.923 min Scan# 2150
 Delta R.T. -0.003 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

Tgt Ion	Resp	Lower	Upper
166	100		
165	101.3	82.4	123.6
167	14.4	11.5	17.3

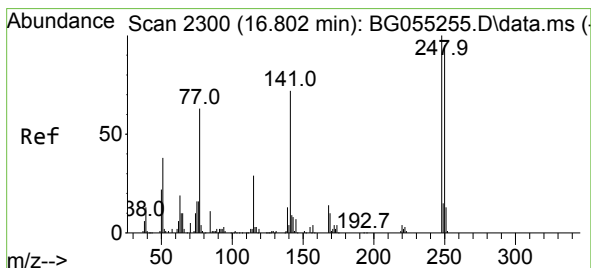
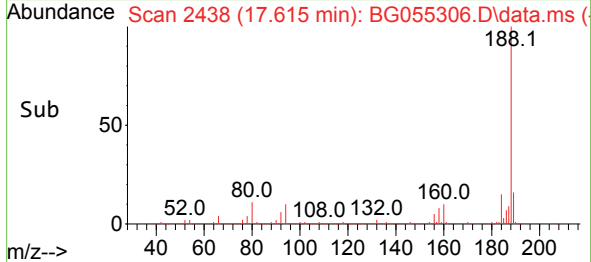
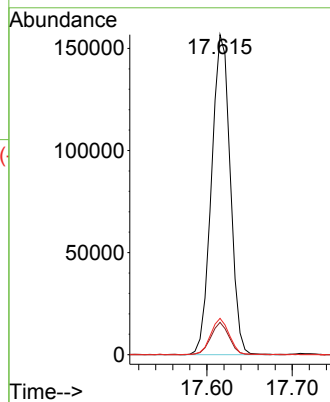
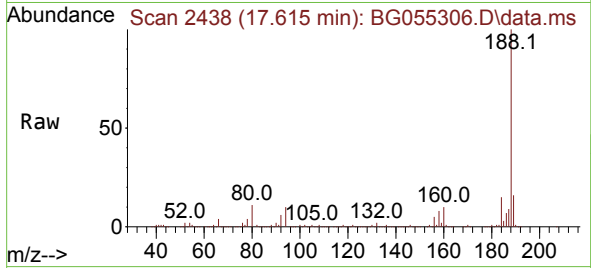




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.615 min Scan# 24
 Delta R.T. -0.003 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

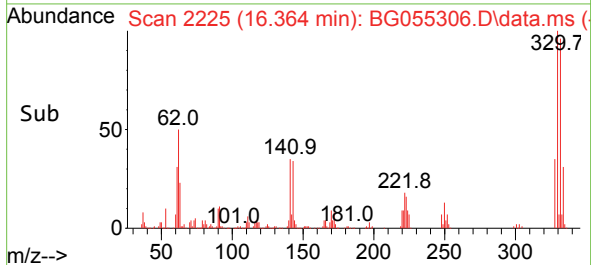
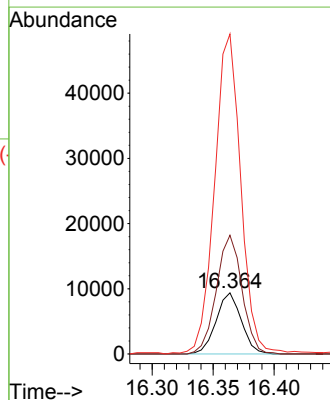
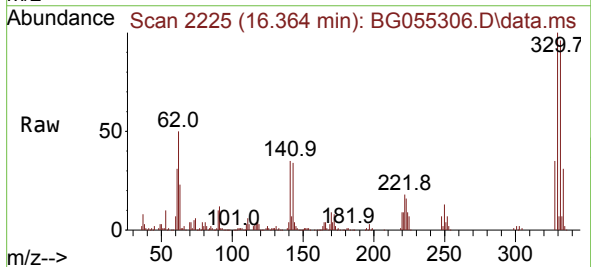
Instrument :
 BNA_G
 ClientSampleId :
 MW-2

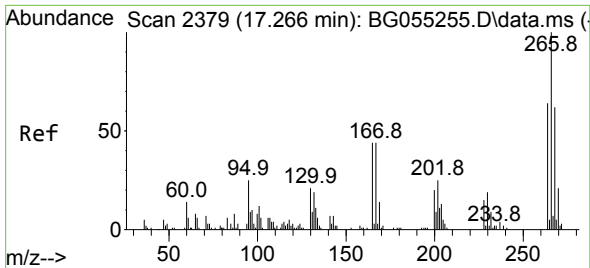
Tgt Ion:188 Resp: 238915
 Ion Ratio Lower Upper
 188 100
 94 10.1 8.2 12.4
 80 11.3 10.1 15.1



#67
 4-Bromophenyl-phenylether
 Concen: 5.802 ng
 RT: 16.364 min Scan# 2225
 Delta R.T. -0.438 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

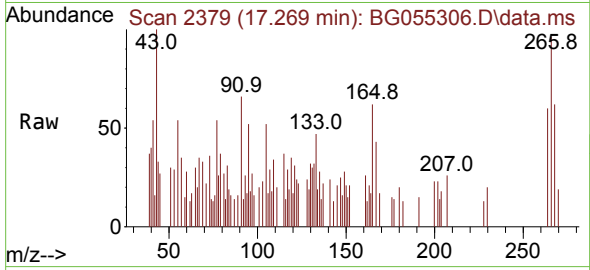
Tgt Ion:248 Resp: 13468
 Ion Ratio Lower Upper
 248 100
 250 194.2 76.0 114.0#
 141 523.2 58.0 87.0#



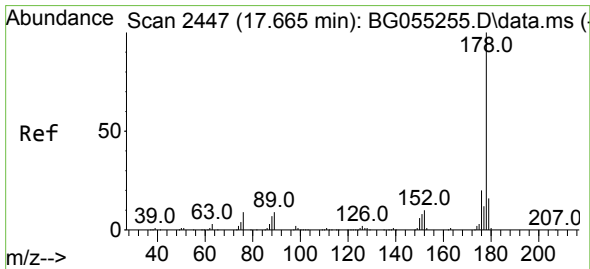
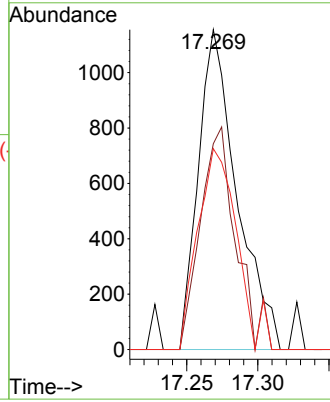
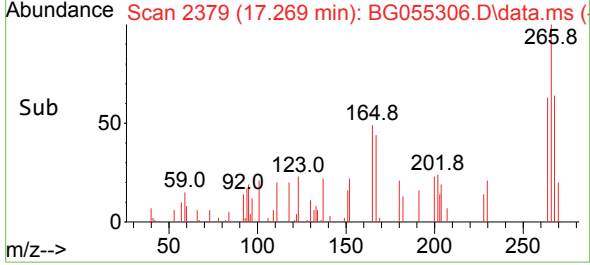


#70
 Pentachlorophenol
 Concen: 3.970 ng
 RT: 17.269 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

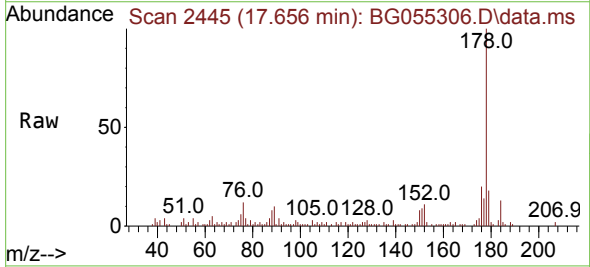
Instrument :
 BNA_G
 ClientSampleId :
 MW-2



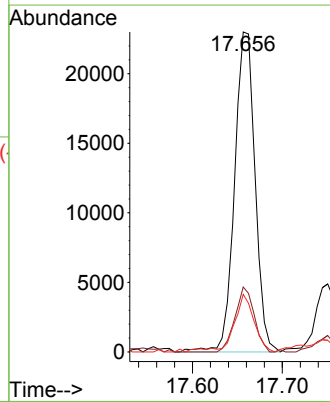
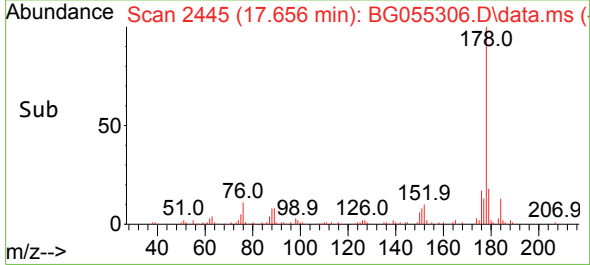
Tgt Ion:266 Resp: 2185
 Ion Ratio Lower Upper
 266 100
 268 64.3 53.2 79.8
 264 62.8 51.5 77.3

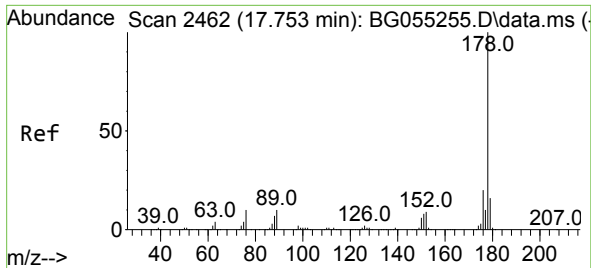


#71
 Phenanthrene
 Concen: 2.867 ng
 RT: 17.656 min Scan# 2445
 Delta R.T. -0.009 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53



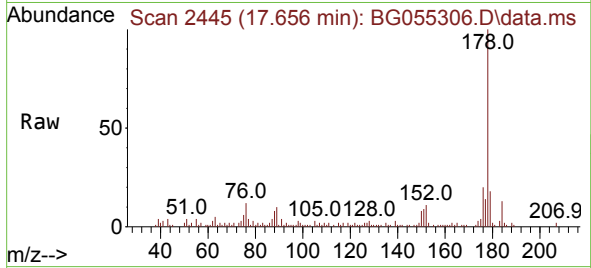
Tgt Ion:178 Resp: 36531
 Ion Ratio Lower Upper
 178 100
 176 20.3 16.0 24.0
 179 18.0 12.6 19.0



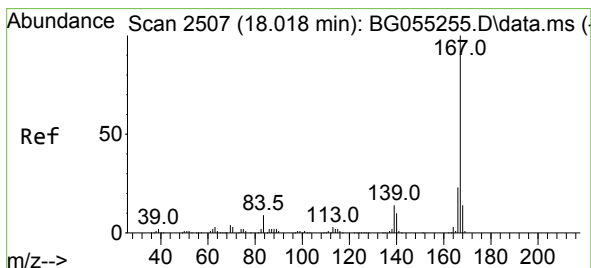
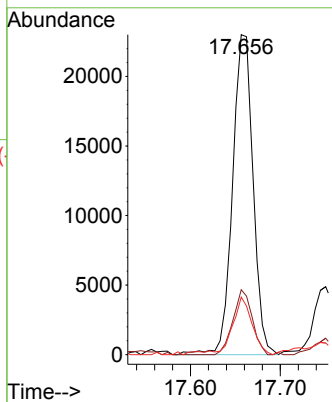
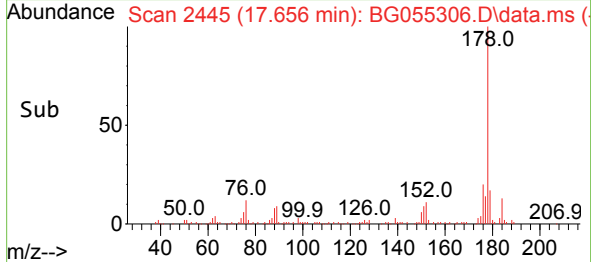


#72
 Anthracene
 Concen: 2.933 ng
 RT: 17.656 min Scan# 2445
 Delta R.T. -0.097 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

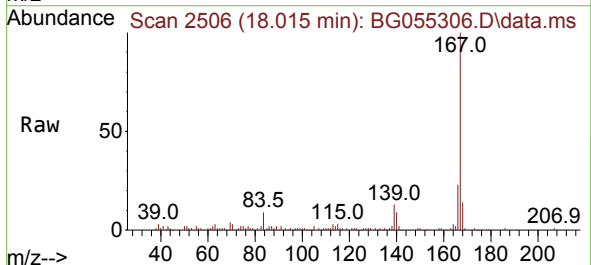
Instrument :
 BNA_G
 ClientSampleId :
 MW-2



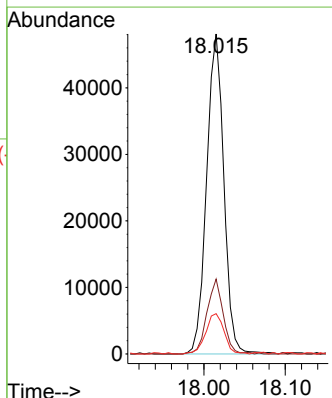
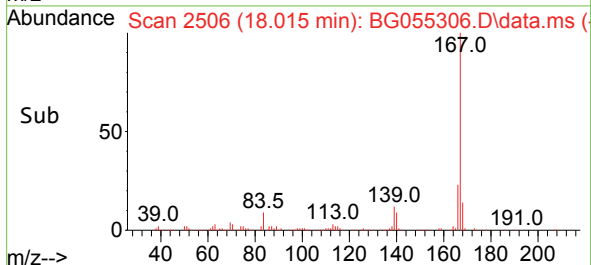
Tgt Ion:178 Resp: 36531
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.7 23.5
 179 18.0 12.9 19.3

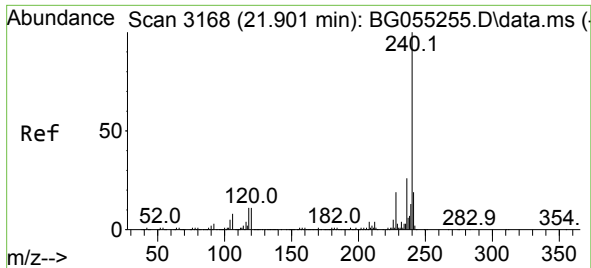


#73
 Carbazole
 Concen: 5.905 ng
 RT: 18.015 min Scan# 2506
 Delta R.T. -0.003 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53



Tgt Ion:167 Resp: 70748
 Ion Ratio Lower Upper
 167 100
 166 23.4 18.6 27.8
 139 12.6 10.9 16.3

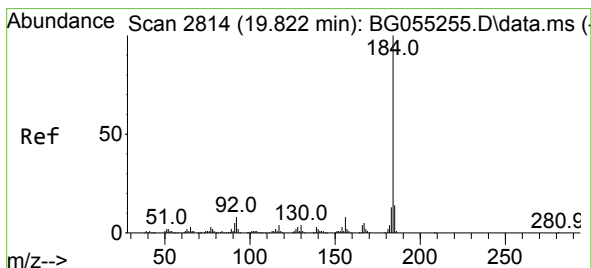
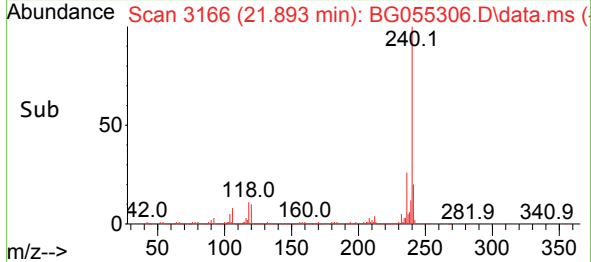
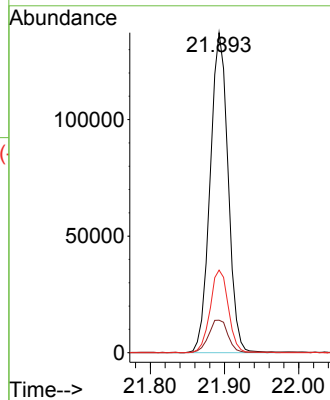
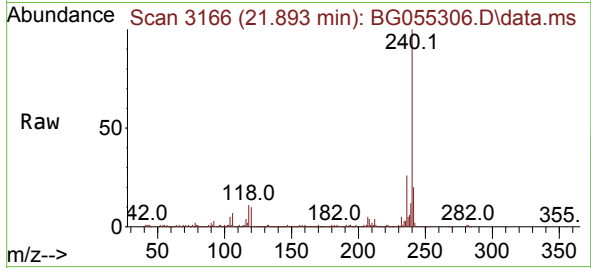




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.893 min Scan# 3166
 Delta R.T. -0.009 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

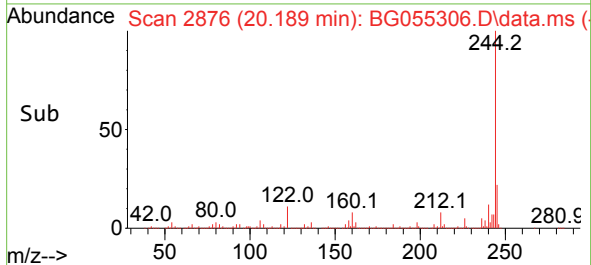
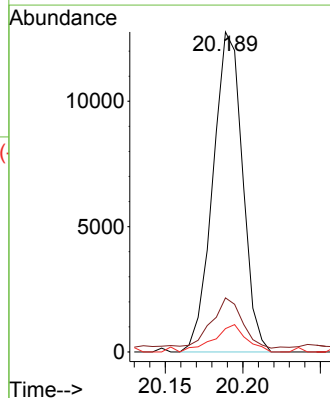
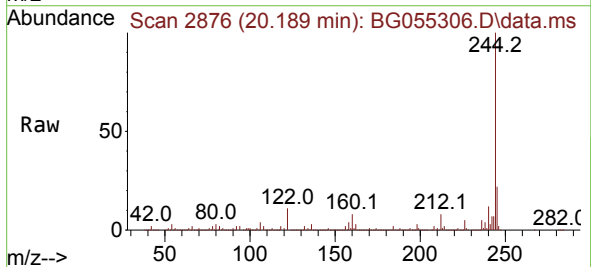
Instrument :
 BNA_G
 ClientSampleId :
 MW-2

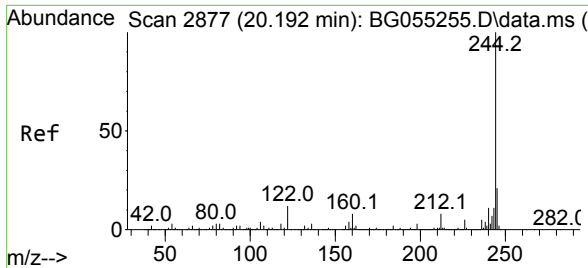
Tgt Ion:240 Resp: 230390
 Ion Ratio Lower Upper
 240 100
 120 10.2 8.9 13.3
 236 25.8 21.0 31.4



#77
 Benzdine
 Concen: 3.040 ng
 RT: 20.189 min Scan# 2876
 Delta R.T. 0.367 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

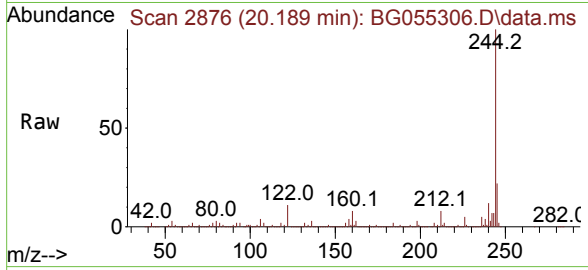
Tgt Ion:184 Resp: 16957
 Ion Ratio Lower Upper
 184 100
 185 16.9 11.0 16.6#
 183 7.3 10.0 15.0#



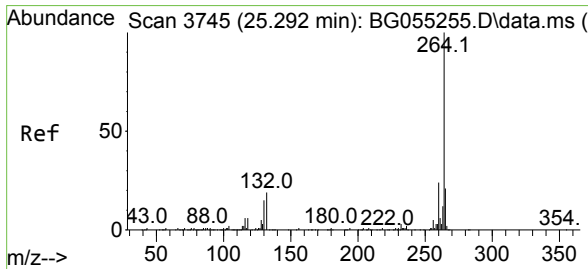
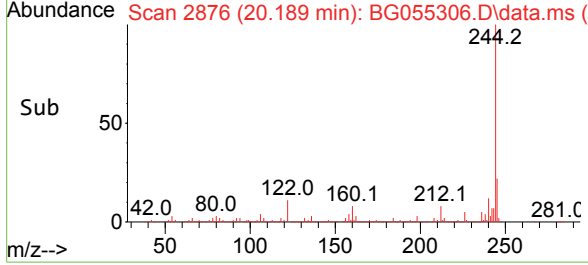
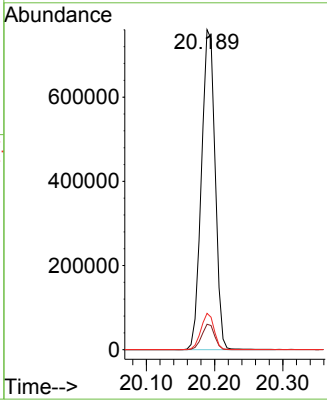


#79
 Terphenyl-d14
 Concen: 95.737 ng
 RT: 20.189 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53

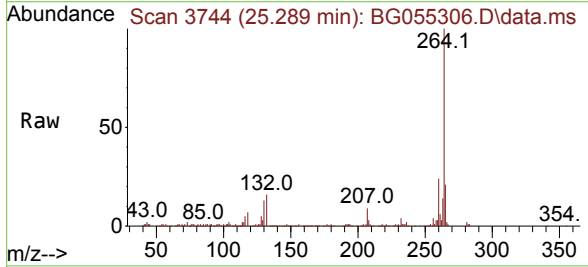
Instrument : BNA_G
 ClientSampleId : MW-2



Tgt Ion:244 Resp: 1061607
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.0 9.0
 122 11.4 9.6 14.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.289 min Scan# 3744
 Delta R.T. -0.003 min
 Lab File: BG055306.D
 Acq: 26 Oct 2022 19:53



Tgt Ion:264 Resp: 237565
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.5 29.3
 265 20.8 17.4 26.2

