

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
 Data File : BM039128.D
 Acq On : 23 Mar 2023 22:36
 Operator : CG/JU
 Sample : 02045-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC1-20230322

Quant Time: Mar 24 04:35:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 03:36:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.957	152	249884	20.000	ng	-0.01
21) Naphthalene-d8	10.769	136	994077	20.000	ng	-0.01
39) Acenaphthene-d10	14.598	164	567709	20.000	ng	-0.01
64) Phenanthrene-d10	17.345	188	1153423	20.000	ng	0.00
76) Chrysene-d12	21.533	240	978926	20.000	ng	0.00
86) Perylene-d12	23.962	264	1140079	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1312659	79.809	ng	0.00
7) Phenol-d6	7.122	99	1661190	77.758	ng	0.00
23) Nitrobenzene-d5	9.128	82	1020652	50.434	ng	-0.01
42) 2,4,6-Tribromophenol	16.086	330	551882	84.032	ng	-0.01
45) 2-Fluorobiphenyl	13.227	172	1985307	45.525	ng	0.00
79) Terphenyl-d14	19.968	244	2722243	50.843	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.875	139	188	3.010	ng	# 1
31) Naphthalene	10.822	128	1544087	27.240	ng	100
32) Benzoic acid	10.087	122	272	5.753	ng	# 1
33) 4-Chloroaniline	10.822	127	196125	8.119	ng	# 31
37) 2-Methylnaphthalene	12.428	142	355776	9.364	ng	99
38) 1-Methylnaphthalene	12.645	142	324660	9.119	ng	100
46) 1,1'-Biphenyl	13.433	154	118385	2.461	ng	99
48) 2-Nitroaniline	13.633	65	1713	2.356	ng	# 40
49) Acenaphthylene	14.322	152	451899	7.823	ng	98
52) Acenaphthene	14.663	154	690006	19.436	ng	100
54) 2,4-Dinitrophenol	14.692	184	476	5.271	ng	# 1
55) Dibenzofuran	14.998	168	899437	16.190	ng	99
56) 4-Nitrophenol	14.998	139	336105	38.740	ng	# 9
57) 2,4-Dinitrotoluene	14.951	165	4703	2.425	ng	# 72
58) Fluorene	15.645	166	1227048	28.196	ng	99
62) 4-Nitroaniline	15.645	138	14259	2.944	ng	# 26
63) Azobenzene	15.957	77	131920	2.933	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.727	198	286	5.122	ng	# 1
71) Phenanthrene	17.398	178	10692778	157.955	ng	98
72) Anthracene	17.480	178	2795290	41.406	ng	99
73) Carbazole	17.751	167	875057	14.203	ng	99
74) Di-n-butylphthalate	18.315	149	16500	2.010	ng	# 54
75) Fluoranthene	19.415	202	11718129	163.946	ng	98
77) Benzidine	19.639	184	846	4.910	ng	# 1
78) Pyrene	19.774	202	10931156	148.672	ng	98
80) Butylbenzylphthalate	20.662	149	420	3.328	ng	# 1
81) Benzo(a)anthracene	21.515	228	5347955	75.860	ng	97
83) Chrysene	21.568	228	4739739	69.128	ng	98
84) Bis(2-ethylhexyl)phtha...	21.433	149	32097	3.158	ng	# 82
85) Di-n-octyl phthalate	22.368	149	3281	3.837	ng	# 77
87) Indeno(1,2,3-cd)pyrene	26.497	276	2975636	34.301	ng	96
88) Benzo(b)fluoranthene	23.227	252	5964165	81.885	ng	98
89) Benzo(k)fluoranthene	23.227	252	5964165	78.683	ng	98
90) Benzo(a)pyrene	23.862	252	4644393	66.255	ng	98
91) Dibenzo(a,h)anthracene	26.509	278	788795	10.737	ng	# 90
92) Benzo(g,h,i)perylene	27.285	276	2894405	40.268	ng	99

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

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

RNA M

BNA M

ClientSampleId :

WC1-20230322

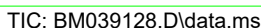
Quant Time: Mar 24 04:35:00 2023

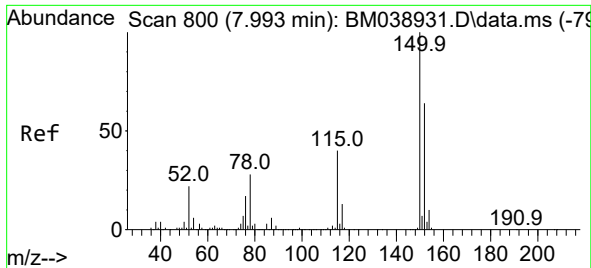
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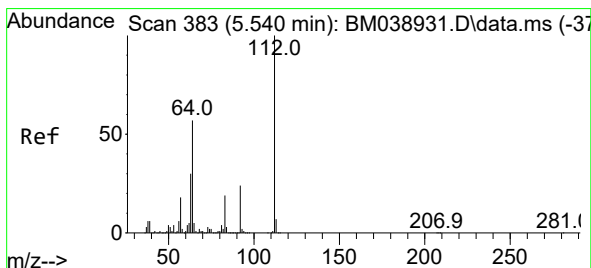
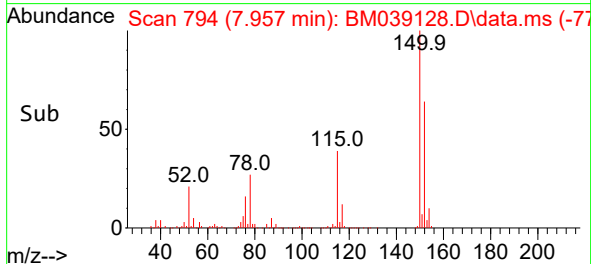
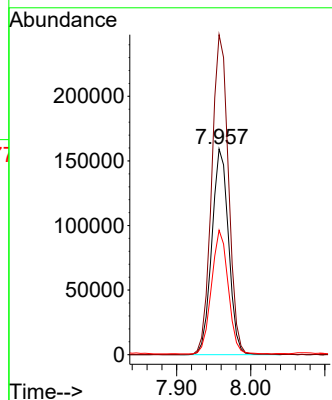
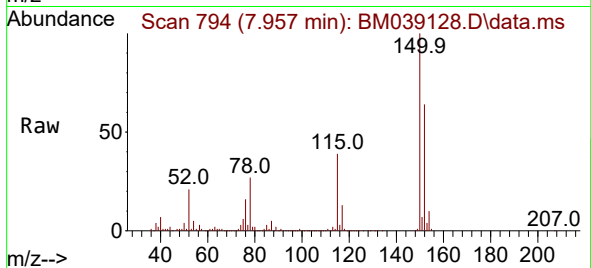




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.957 min Scan# 79
Delta R.T. -0.012 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

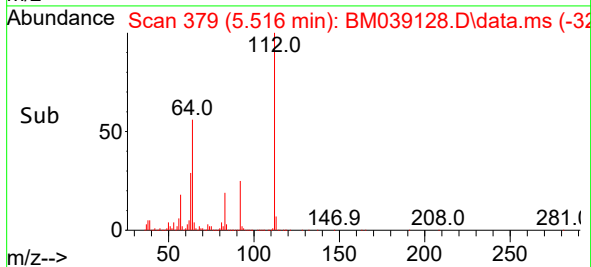
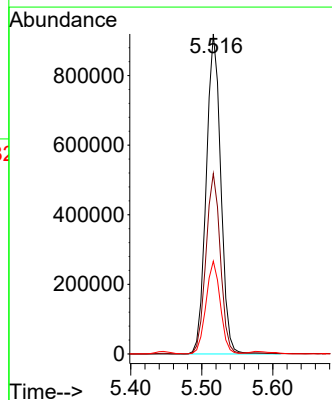
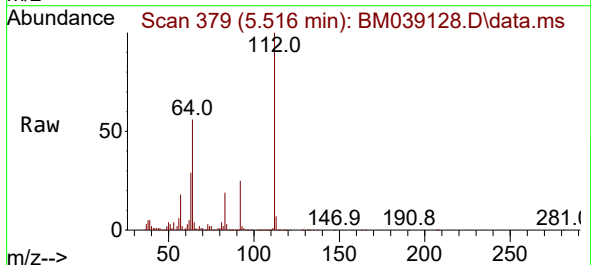
Instrument :
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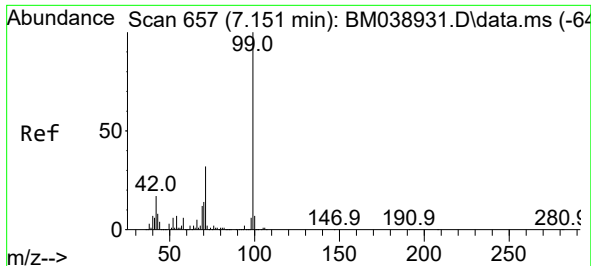
Tgt Ion:152 Resp: 249884
Ion Ratio Lower Upper
152 100
150 155.5 125.1 187.7
115 60.5 49.6 74.4



#5
2-Fluorophenol
Concen: 79.809 ng
RT: 5.516 min Scan# 379
Delta R.T. -0.006 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

Tgt Ion:112 Resp: 1312659
Ion Ratio Lower Upper
112 100
64 56.3 45.9 68.9
63 29.0 23.8 35.8

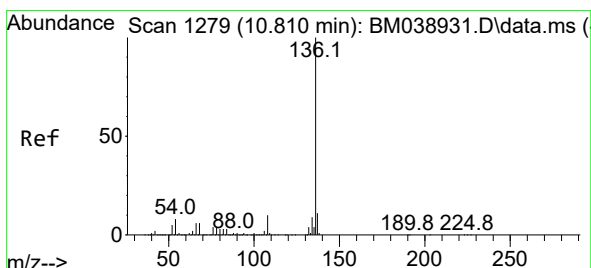
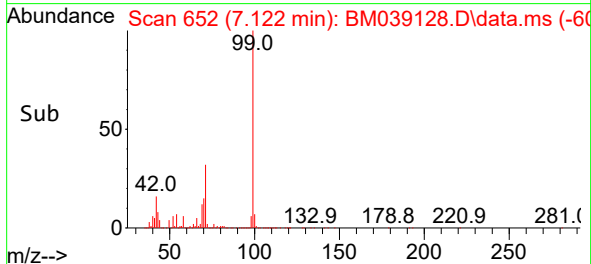
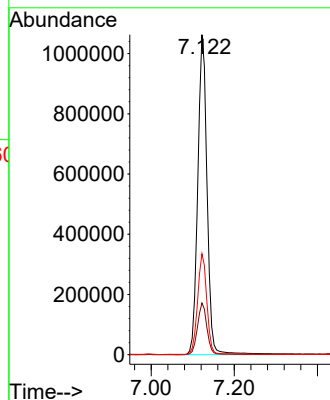
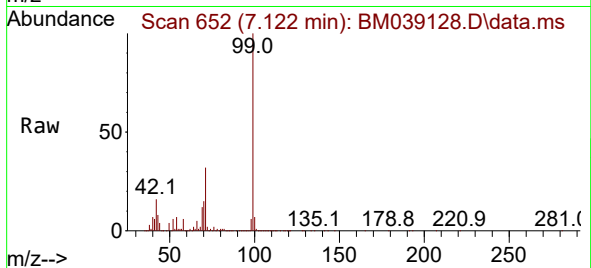




#7
Phenol-d6
Concen: 77.758 ng
RT: 7.122 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

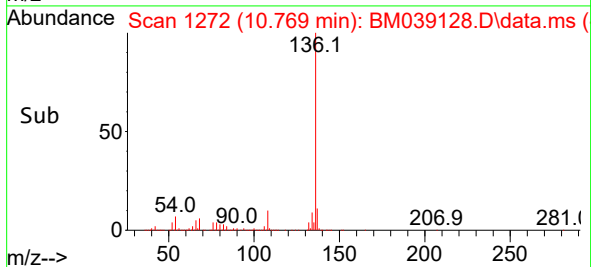
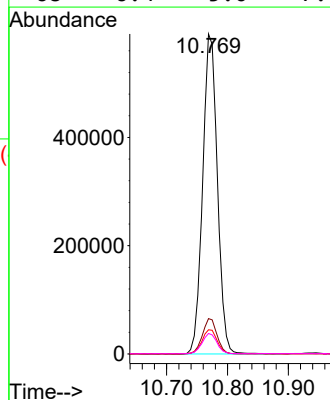
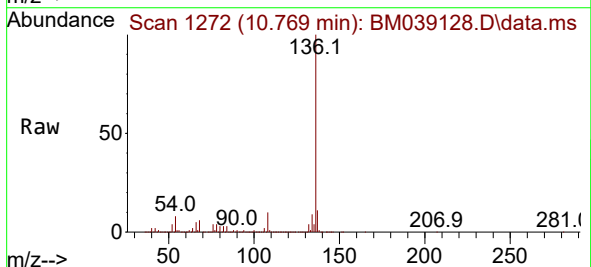
Instrument :
BNA_M
ClientSampleId :
WC1-20230322

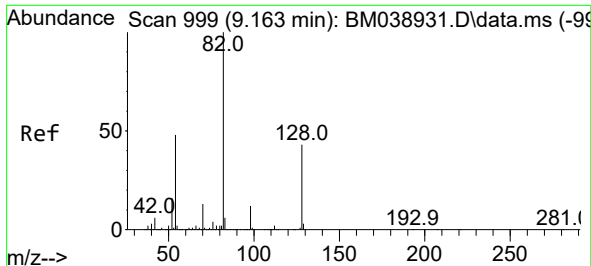
Tgt Ion: 99 Resp: 1661190
Ion Ratio Lower Upper
99 100
42 16.1 13.5 20.3
71 31.6 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.769 min Scan# 1272
Delta R.T. -0.012 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

Tgt Ion: 136 Resp: 994077
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 7.5 6.3 9.5
68 6.4 5.0 7.6

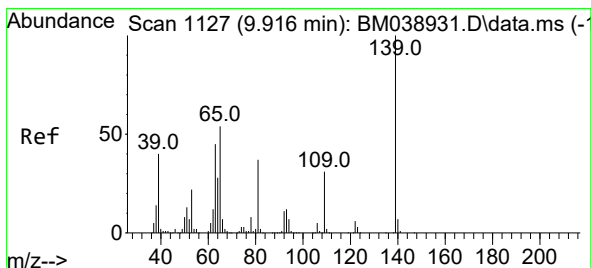
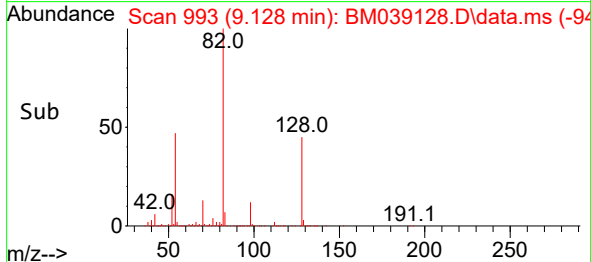
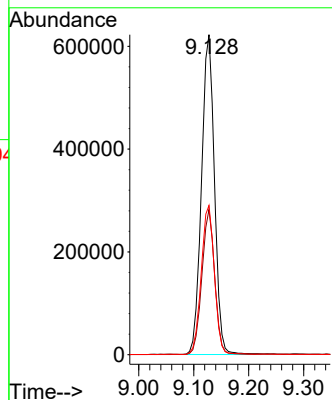
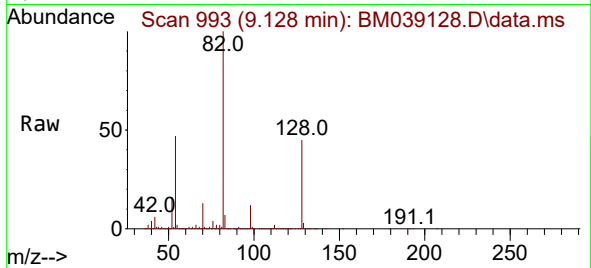




#23
Nitrobenzene-d5
Concen: 50.434 ng
RT: 9.128 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

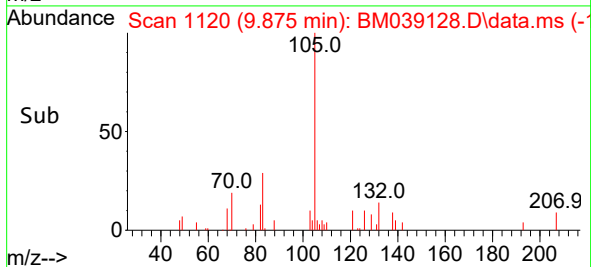
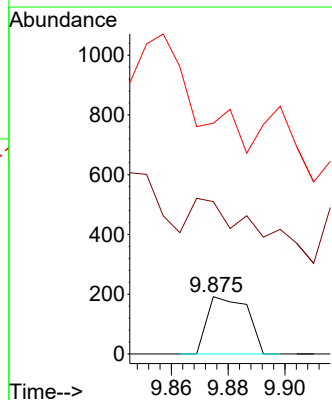
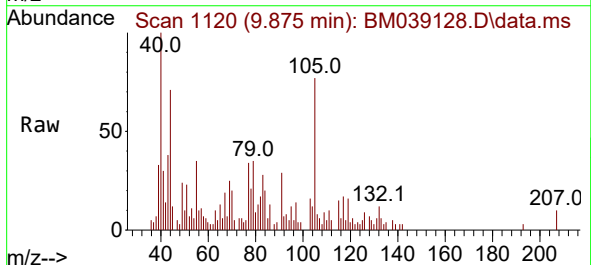
Instrument :
BNA_M
ClientSampleId :
WC1-20230322

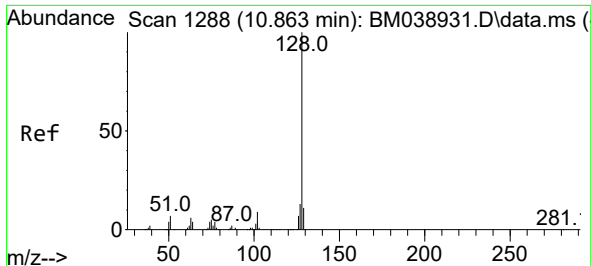
Tgt Ion: 82 Resp: 1020652
Ion Ratio Lower Upper
82 100
128 45.4 34.4 51.6
54 46.7 38.8 58.2



#26
2-Nitrophenol
Concen: 3.010 ng
RT: 9.875 min Scan# 1120
Delta R.T. -0.018 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

Tgt Ion:139 Resp: 188
Ion Ratio Lower Upper
139 100
109 265.6 24.5 36.7#
65 402.1 43.0 64.6#

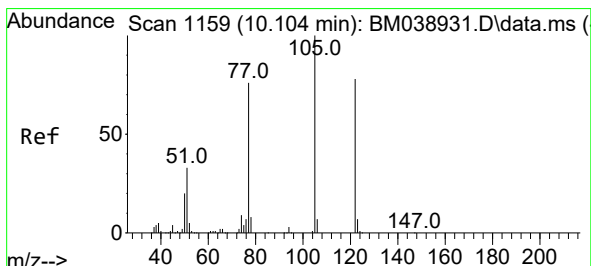
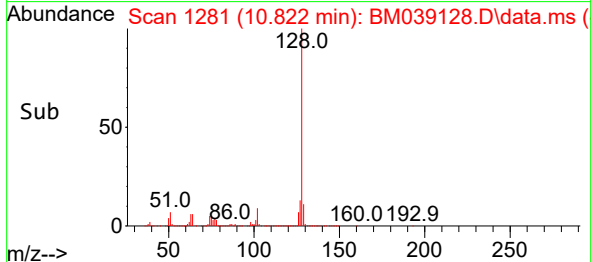
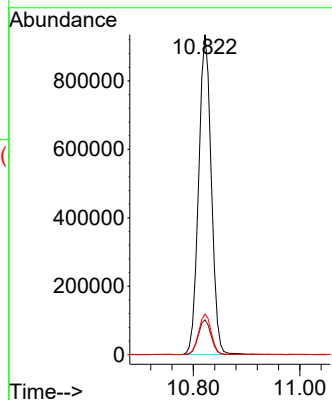
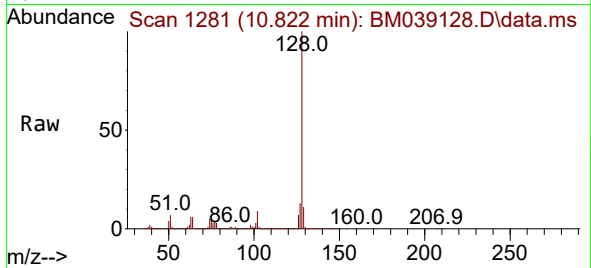




#31
Naphthalene
Concen: 27.240 ng
RT: 10.822 min Scan# 1156
Delta R.T. -0.012 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

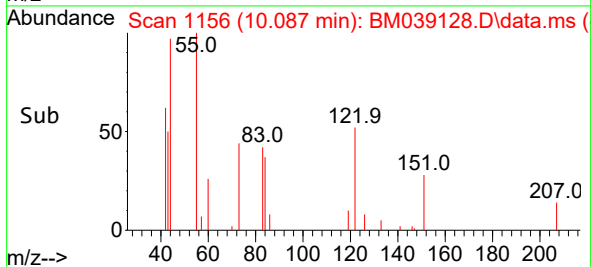
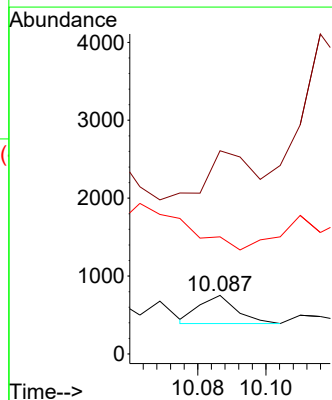
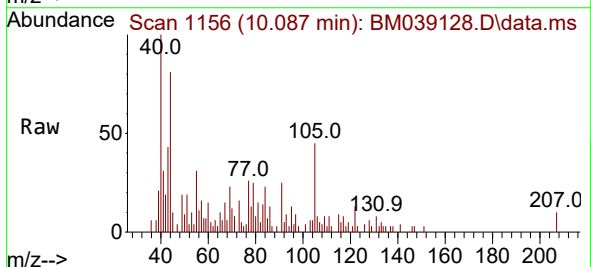
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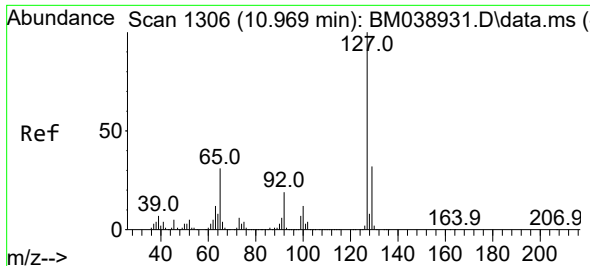
Tgt Ion:128 Resp: 1544087
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.6 10.2 15.4



#32
Benzoic acid
Concen: 5.753 ng
RT: 10.087 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

Tgt Ion:122 Resp: 272
Ion Ratio Lower Upper
122 100
105 347.3 104.2 144.2#
77 200.3 75.1 115.1#

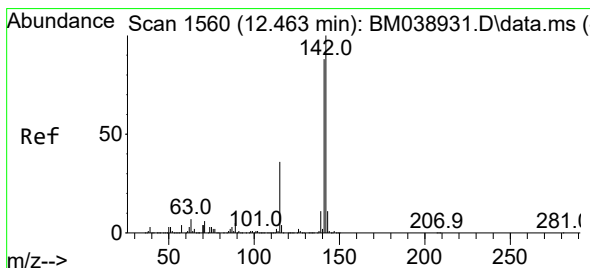
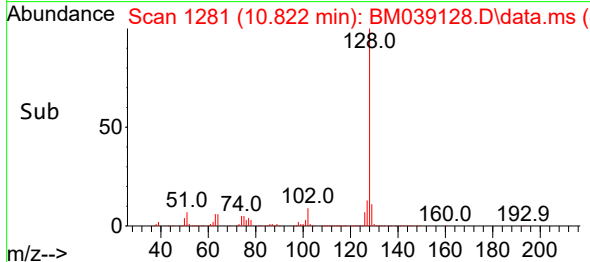
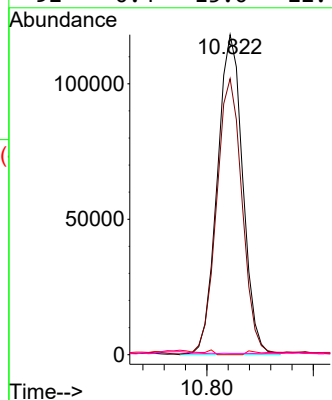
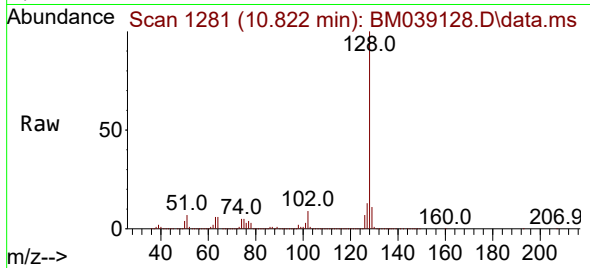




#33
4-Chloroaniline
Concen: 8.119 ng
RT: 10.822 min Scan# 11
Delta R.T. -0.118 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

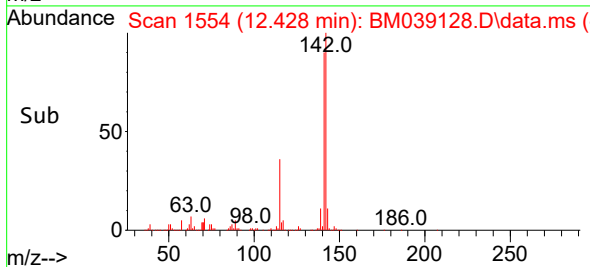
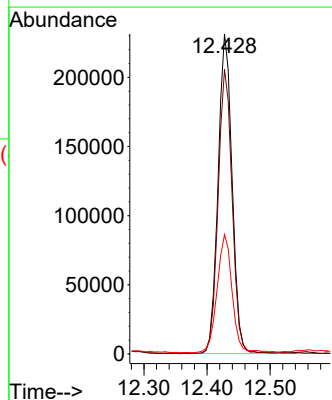
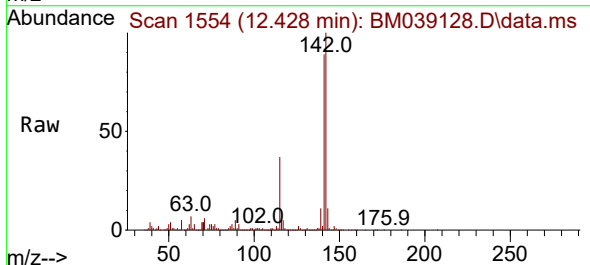
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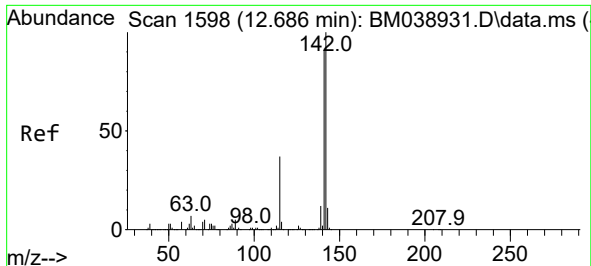
Tgt Ion:	127	Resp:	196125
Ion	Ratio	Lower	Upper
127	100		
129	86.2	25.4	38.2#
65	0.0	24.4	36.6#
92	0.4	15.0	22.4#



#37
2-Methylnaphthalene
Concen: 9.364 ng
RT: 12.428 min Scan# 1554
Delta R.T. -0.012 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

Tgt Ion:	142	Resp:	355776
Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.6	106.0
115	37.3	28.5	42.7

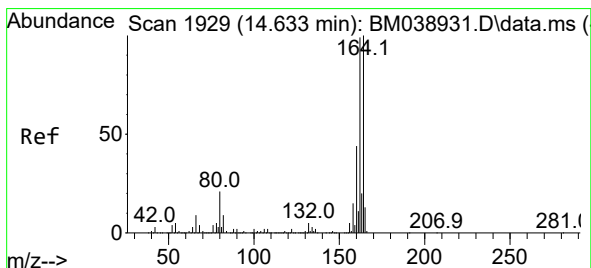
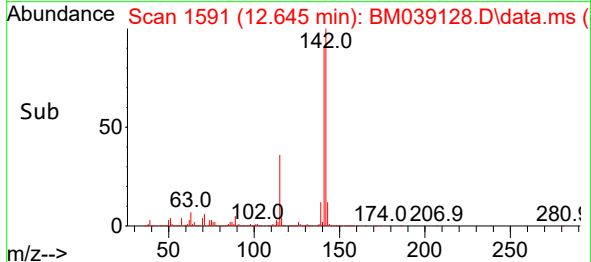
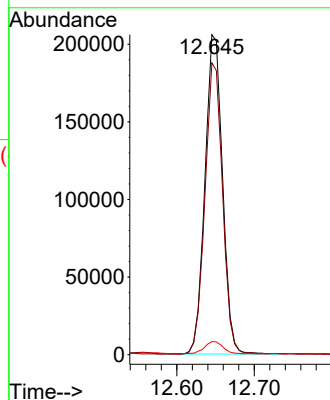
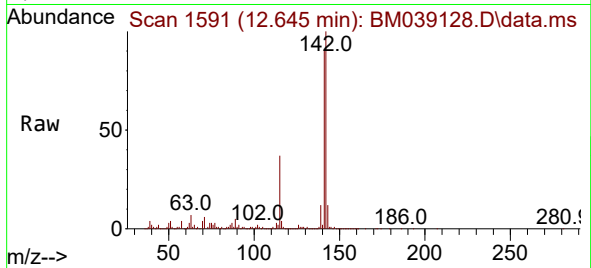




#38
1-Methylnaphthalene
Concen: 9.119 ng
RT: 12.645 min Scan# 1598
Delta R.T. -0.012 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

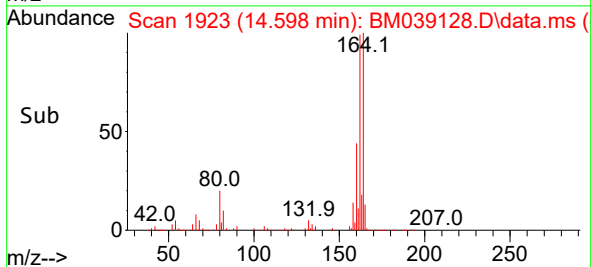
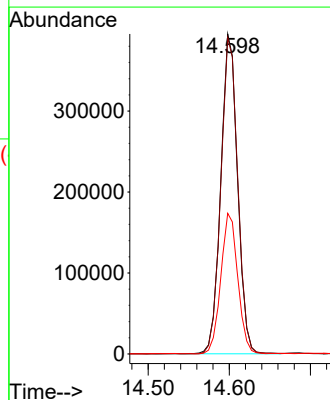
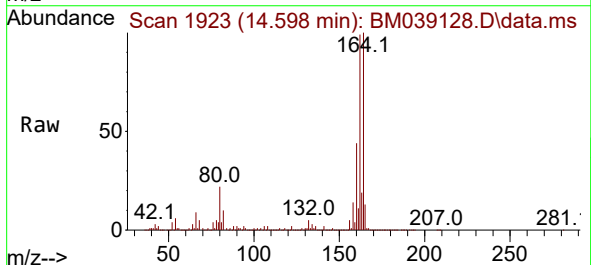
Instrument :
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ClientSampleId :
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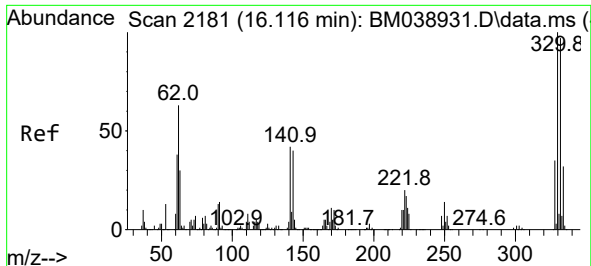
Tgt Ion:142 Resp: 324660
Ion Ratio Lower Upper
142 100
141 91.2 72.8 109.2
116 4.1 3.0 4.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.598 min Scan# 1923
Delta R.T. -0.012 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

Tgt Ion:164 Resp: 567709
Ion Ratio Lower Upper
164 100
162 98.9 79.2 118.8
160 43.9 35.5 53.3





#42

2,4,6-Tribromophenol

Concen: 84.032 ng

RT: 16.086 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM039128.D

Acq: 23 Mar 2023 22:36

Instrument :

BNA_M

ClientSampleId :

WC1-20230322

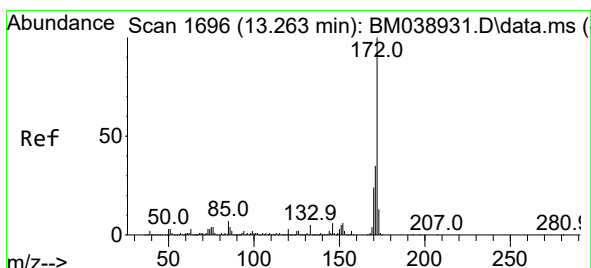
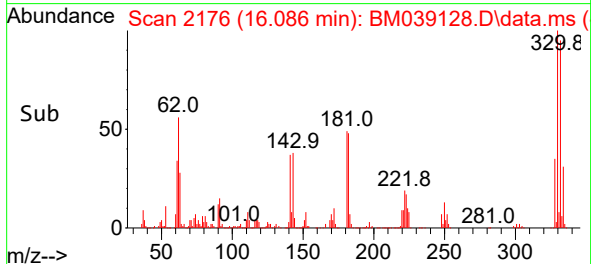
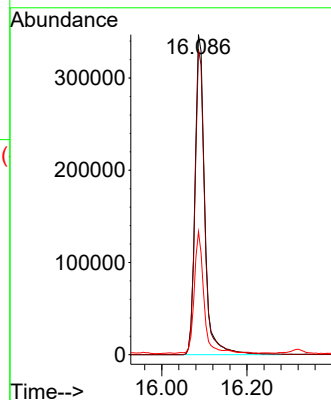
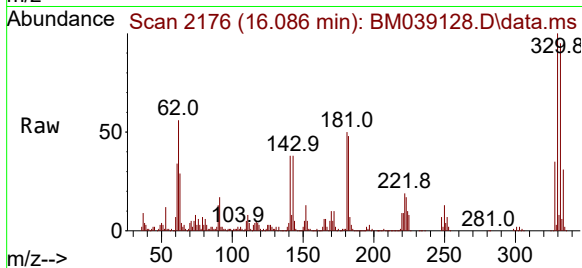
Tgt Ion:330 Resp: 551882

Ion Ratio Lower Upper

330 100

332 95.8 77.4 116.0

141 37.0 32.2 48.4



#45

2-Fluorobiphenyl

Concen: 45.525 ng

RT: 13.227 min Scan# 1690

Delta R.T. -0.006 min

Lab File: BM039128.D

Acq: 23 Mar 2023 22:36

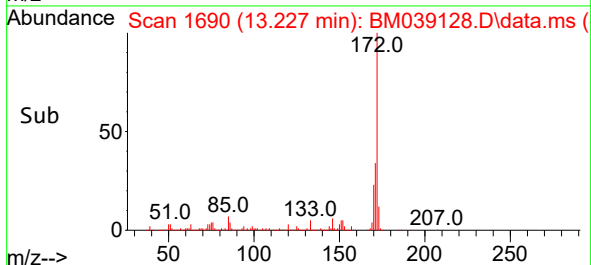
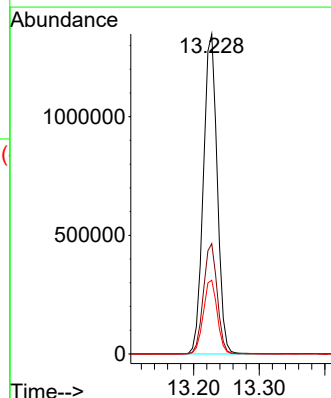
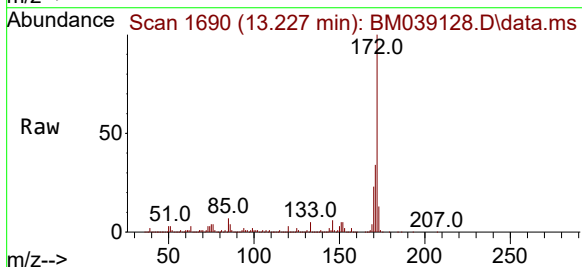
Tgt Ion:172 Resp: 1985307

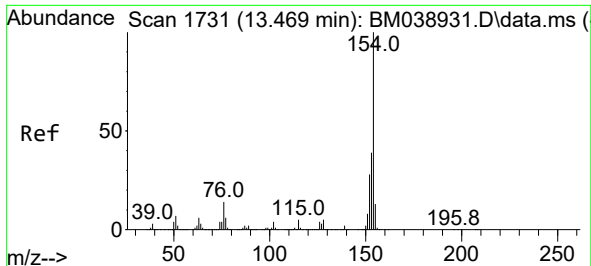
Ion Ratio Lower Upper

172 100

171 34.5 28.2 42.2

170 23.1 19.1 28.7

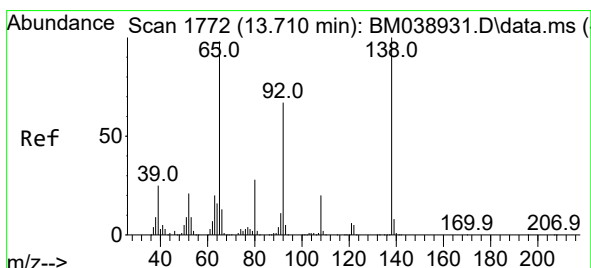
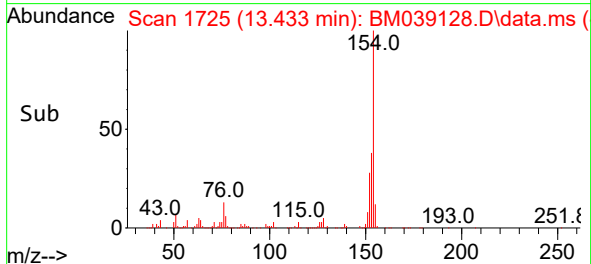
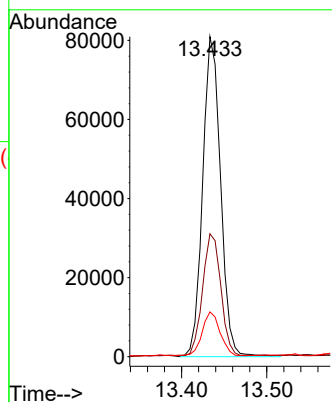
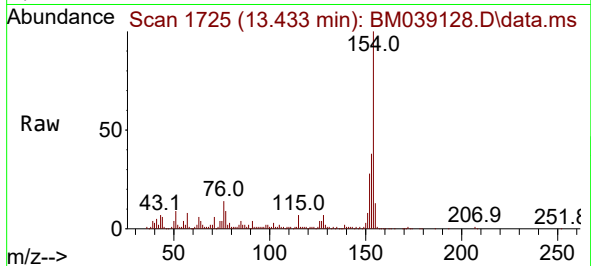




#46
1,1'-Biphenyl
Concen: 2.461 ng
RT: 13.433 min Scan# 1725
Delta R.T. -0.012 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

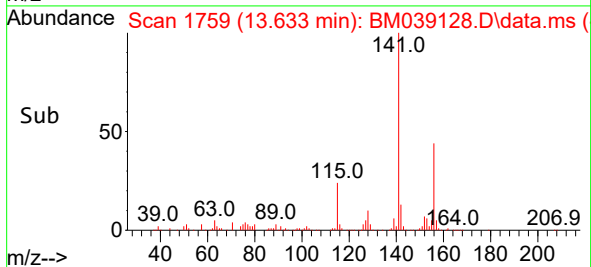
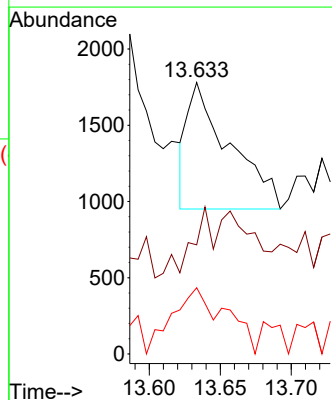
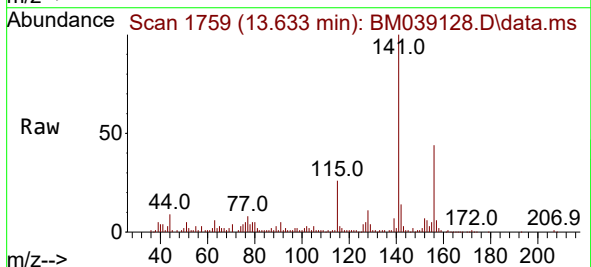
Instrument :
BNA_M
ClientSampleId :
WC1-20230322

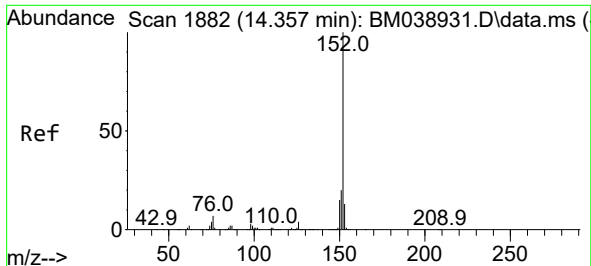
Tgt Ion:154 Resp: 118385
Ion Ratio Lower Upper
154 100
153 38.4 19.3 59.3
76 14.0 0.0 34.0



#48
2-Nitroaniline
Concen: 2.356 ng
RT: 13.633 min Scan# 1759
Delta R.T. -0.059 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

Tgt Ion: 65 Resp: 1713
Ion Ratio Lower Upper
65 100
92 40.2 54.9 82.3#
138 24.4 81.6 122.4#

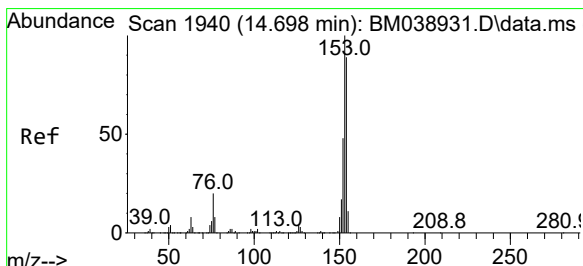
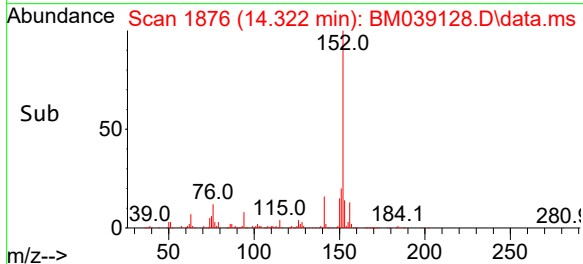
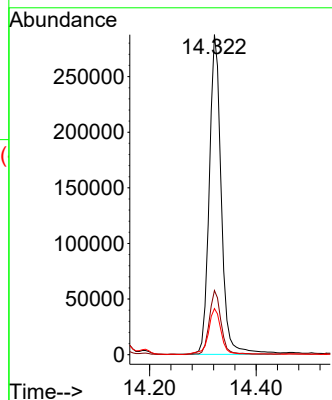
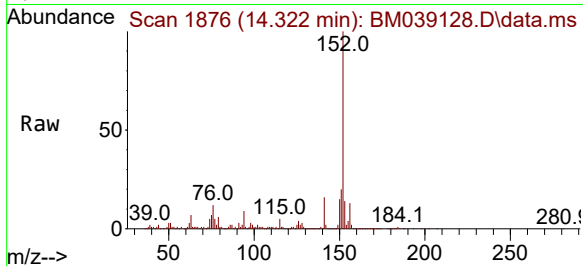




#49
Acenaphthylene
Concen: 7.823 ng
RT: 14.322 min Scan# 1876
Delta R.T. -0.012 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

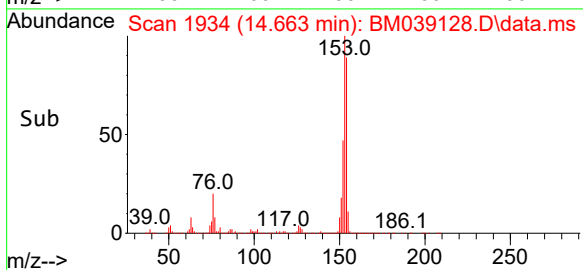
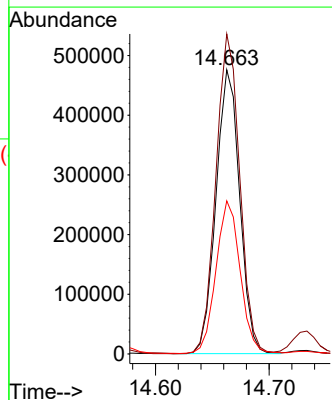
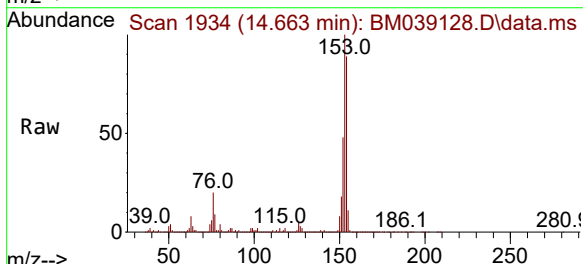
Instrument :
BNA_M
ClientSampleId :
WC1-20230322

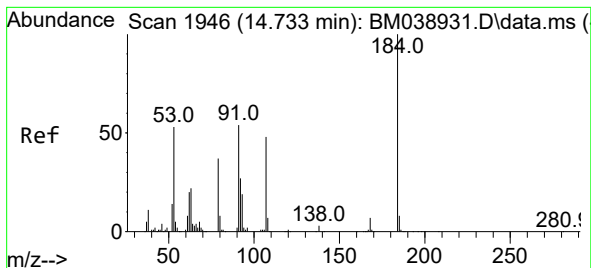
Tgt Ion:152 Resp: 451899
Ion Ratio Lower Upper
152 100
151 20.1 15.8 23.8
153 14.4 10.4 15.6



#52
Acenaphthene
Concen: 19.436 ng
RT: 14.663 min Scan# 1934
Delta R.T. -0.012 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

Tgt Ion:154 Resp: 690006
Ion Ratio Lower Upper
154 100
153 112.6 90.2 135.2
152 53.9 43.4 65.2

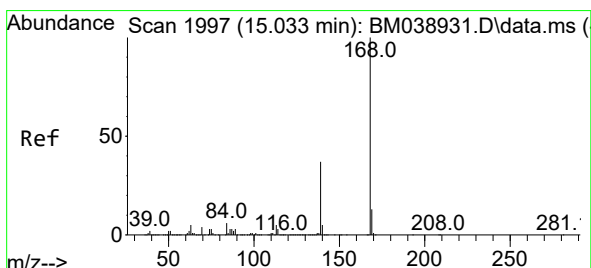
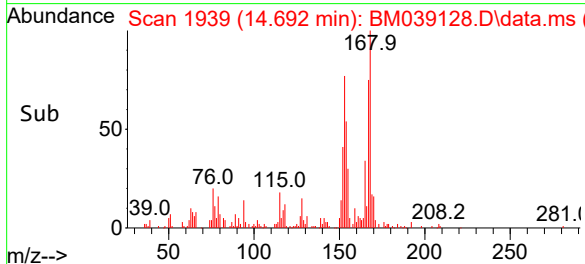
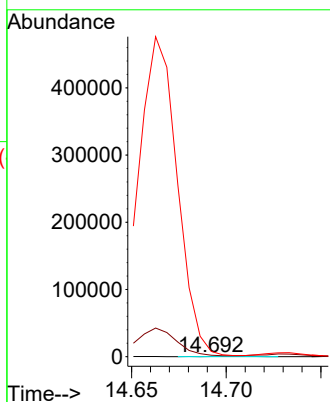
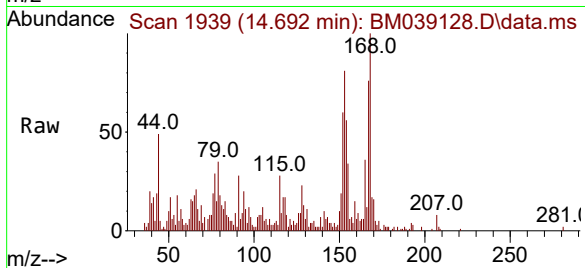




#54
2,4-Dinitrophenol
Concen: 5.271 ng
RT: 14.692 min Scan# 1939
Delta R.T. -0.023 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

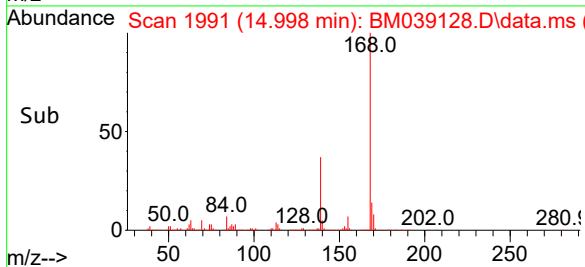
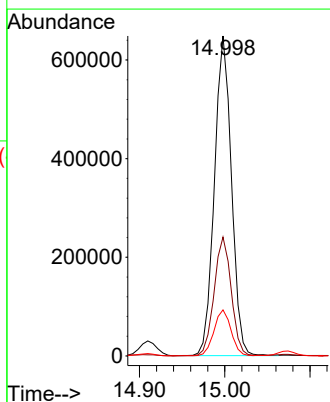
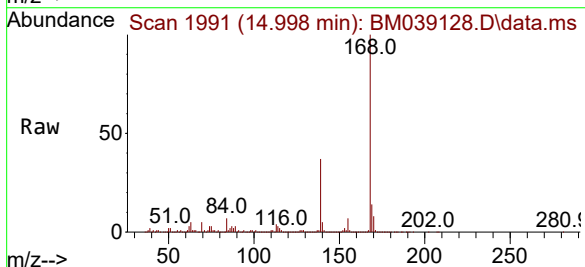
Instrument :
BNA_M
ClientSampleId :
WC1-20230322

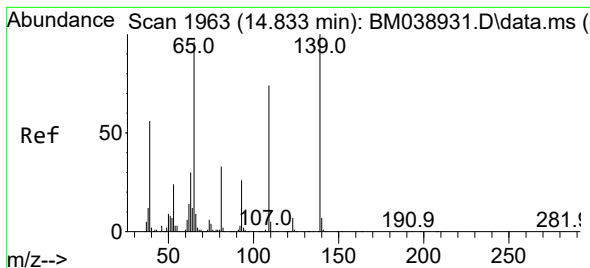
Tgt Ion:184 Resp: 476
Ion Ratio Lower Upper
184 100
63 723.2 60.6 90.8#
154 2541.4 51.4 77.2#



#55
Dibenzofuran
Concen: 16.190 ng
RT: 14.998 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

Tgt Ion:168 Resp: 899437
Ion Ratio Lower Upper
168 100
139 37.2 29.9 44.9
169 14.4 10.7 16.1

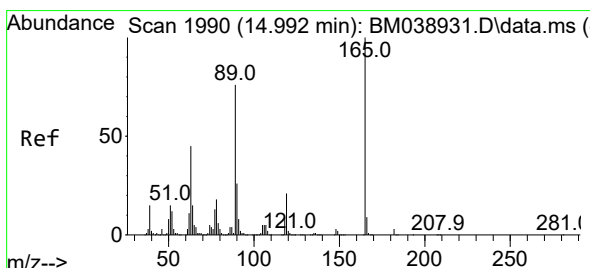
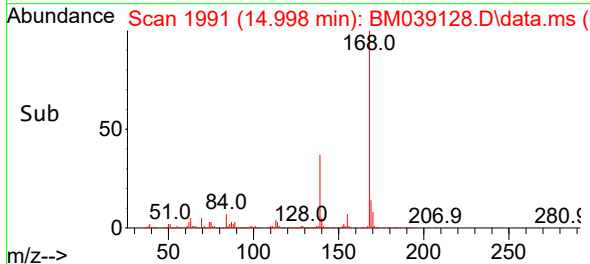
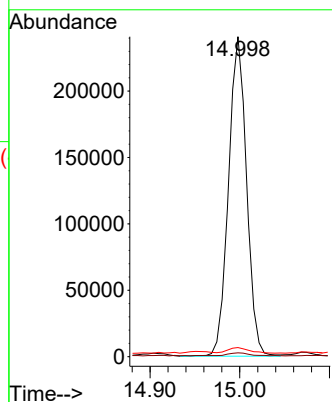
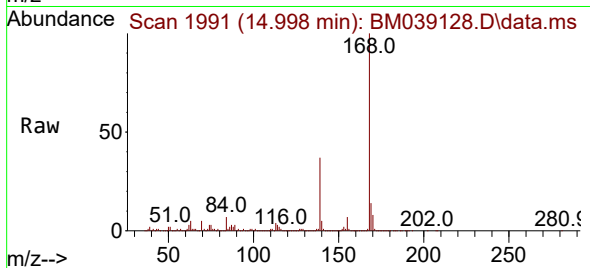




#56
4-Nitrophenol
Concen: 38.740 ng
RT: 14.998 min Scan# 1991
Delta R.T. 0.182 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

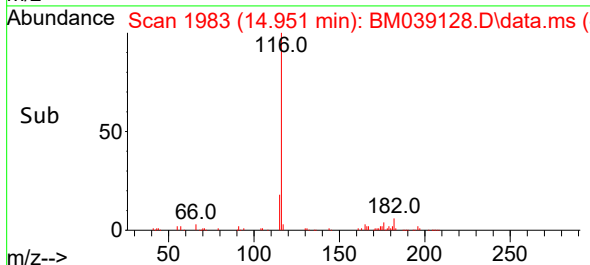
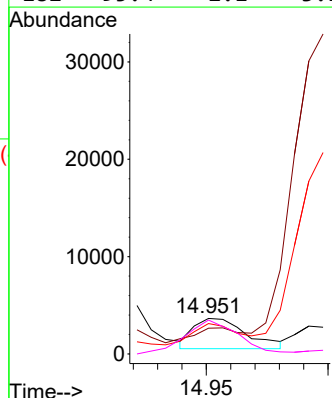
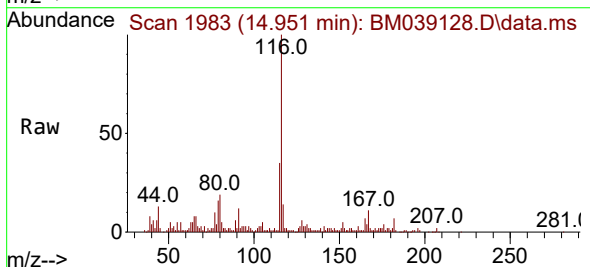
Instrument :
BNA_M
ClientSampleId :
WC1-20230322

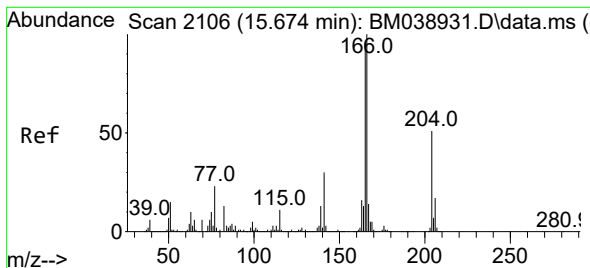
Tgt Ion:139 Resp: 336105
Ion Ratio Lower Upper
139 100
109 1.2 53.5 93.5#
65 2.8 76.4 116.4#



#57
2,4-Dinitrotoluene
Concen: 2.425 ng
RT: 14.951 min Scan# 1983
Delta R.T. -0.018 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

Tgt Ion:165 Resp: 4703
Ion Ratio Lower Upper
165 100
63 72.5 35.9 53.9#
89 85.5 61.0 91.6
182 95.4 2.1 3.1#





#58

Fluorene

Concen: 28.196 ng

RT: 15.645 min Scan# 2101

Delta R.T. -0.012 min

Lab File: BM039128.D

Acq: 23 Mar 2023 22:36

Instrument :

BNA_M

ClientSampleId :

WC1-20230322

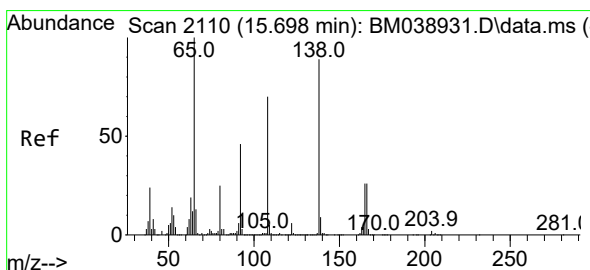
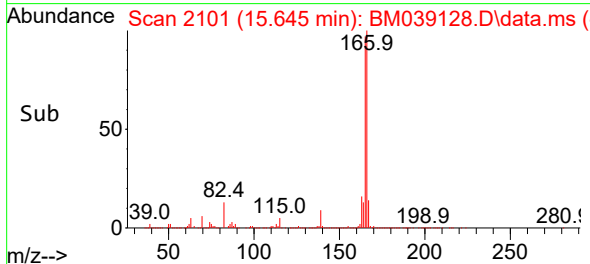
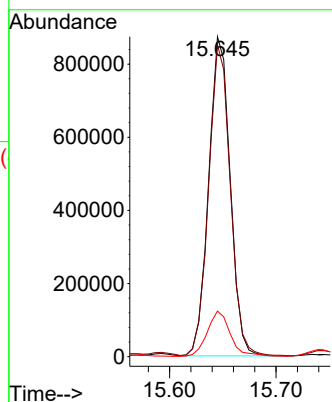
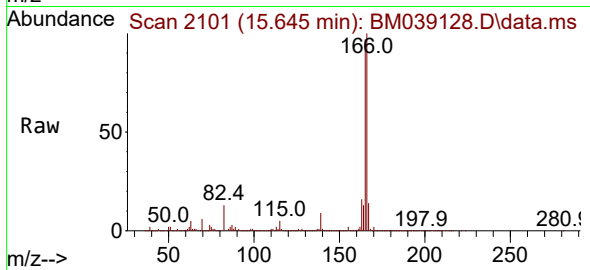
Tgt Ion:166 Resp: 1227048

Ion Ratio Lower Upper

166 100

165 97.5 77.1 115.7

167 14.2 10.9 16.3



#62

4-Nitroaniline

Concen: 2.944 ng

RT: 15.645 min Scan# 2101

Delta R.T. -0.029 min

Lab File: BM039128.D

Acq: 23 Mar 2023 22:36

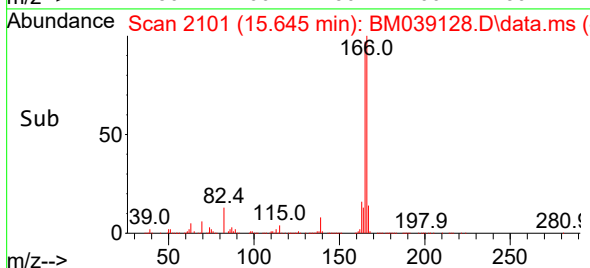
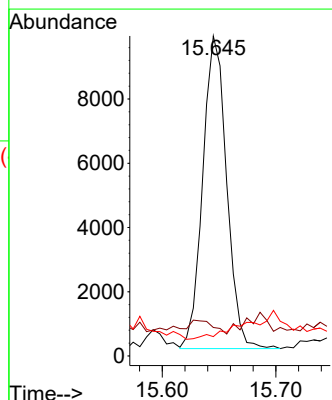
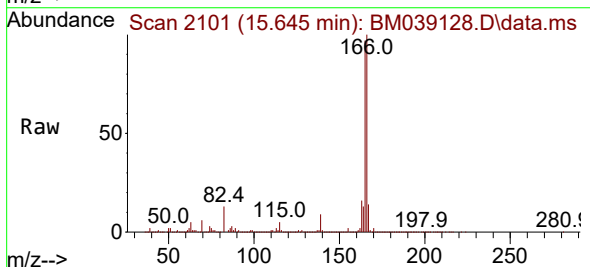
Tgt Ion:138 Resp: 14259

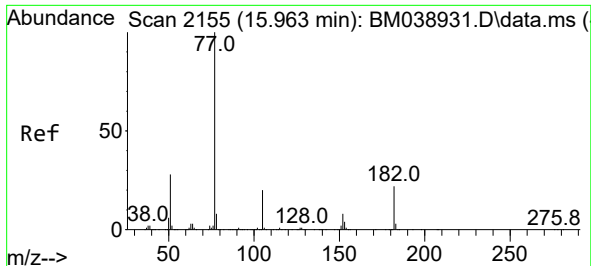
Ion Ratio Lower Upper

138 100

92 8.9 31.6 71.6#

108 6.1 58.6 98.6#

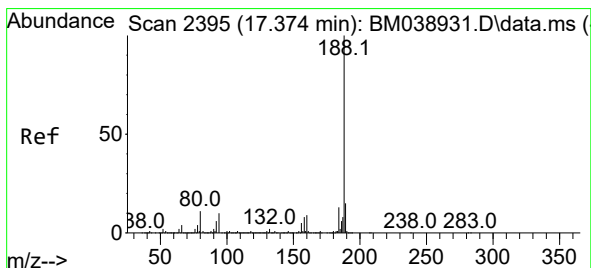
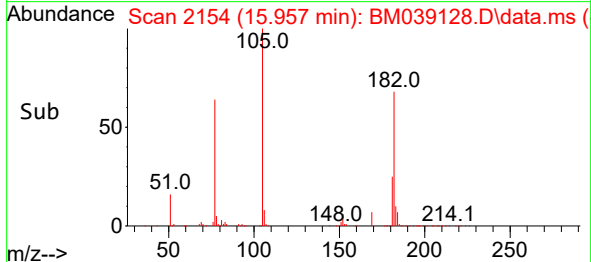
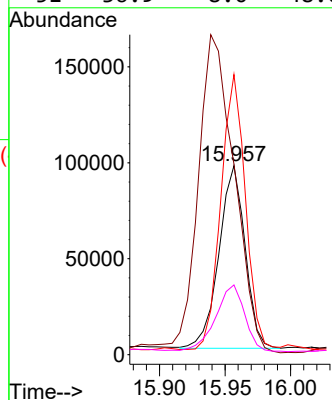
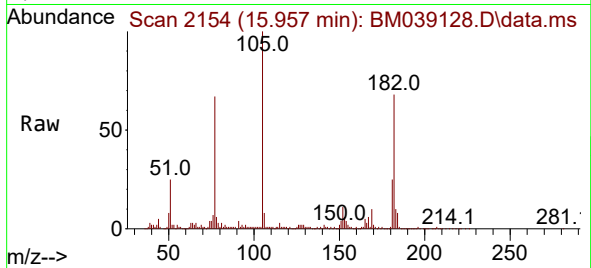




#63
Azobenzene
Concen: 2.933 ng
RT: 15.957 min Scan# 2155
Delta R.T. 0.018 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

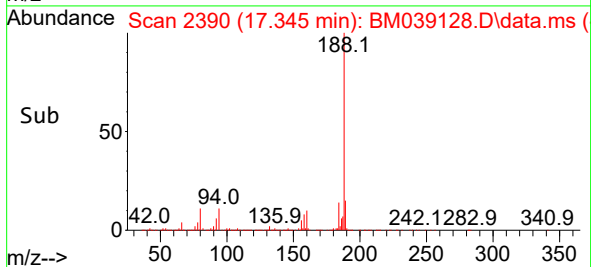
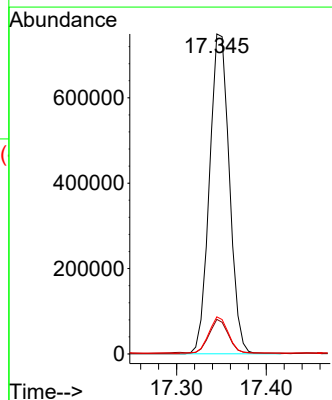
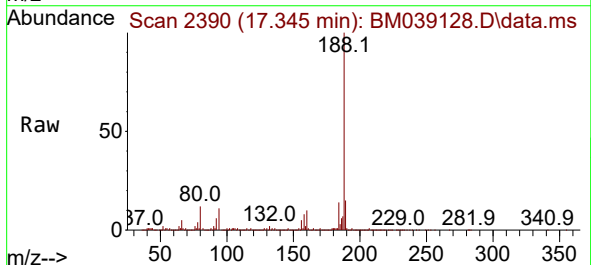
Instrument :
BNA_M
ClientSampleId :
WC1-20230322

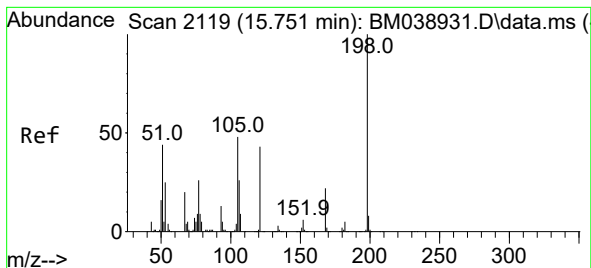
Tgt Ion: 77 Resp: 131920
Ion Ratio Lower Upper
77 100
182 100.8 2.0 42.0#
105 148.2 0.4 40.4#
51 36.9 8.0 48.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.345 min Scan# 2390
Delta R.T. -0.006 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

Tgt Ion:188 Resp: 1153423
Ion Ratio Lower Upper
188 100
94 10.8 7.9 11.9
80 11.6 8.5 12.7

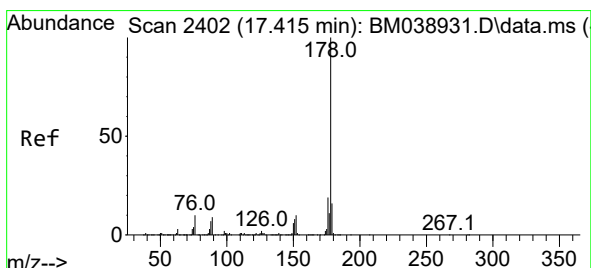
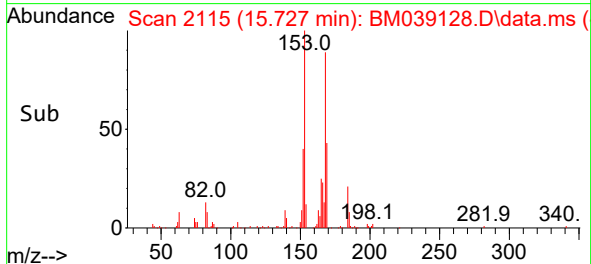
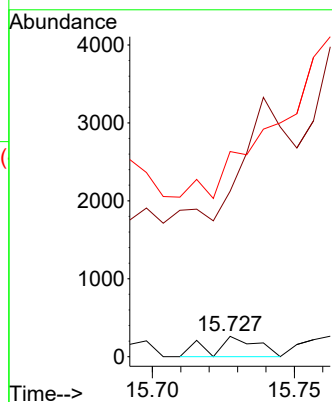
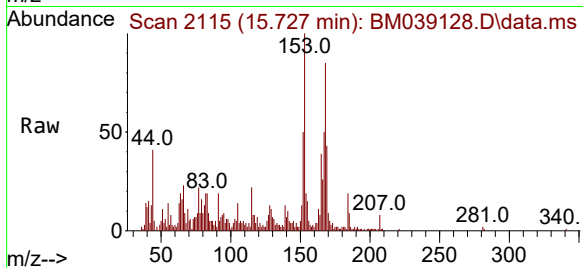




#65
4,6-Dinitro-2-methylphenol
Concen: 5.122 ng
RT: 15.727 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

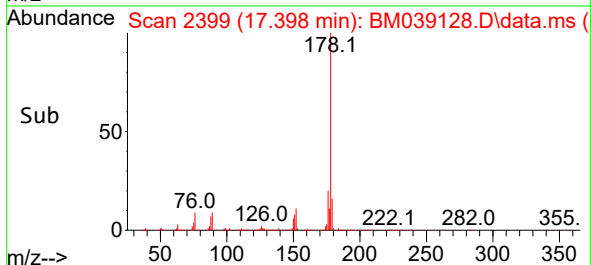
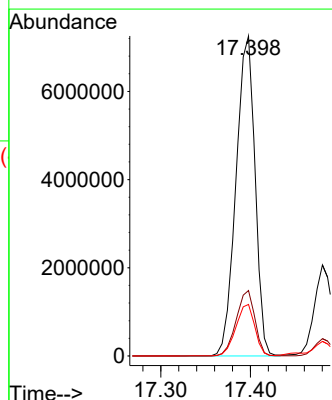
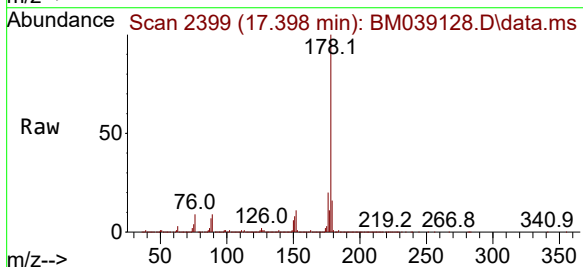
Instrument :
BNA_M
ClientSampleId :
WC1-20230322

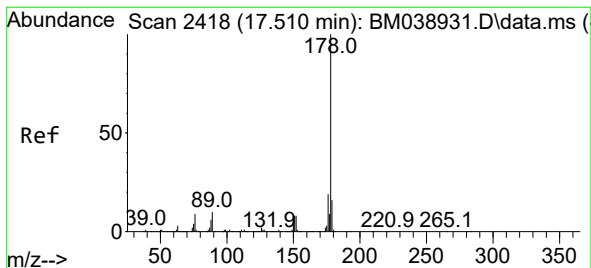
Tgt Ion:198 Resp: 286
Ion Ratio Lower Upper
198 100
51 813.4 30.1 70.1#
105 1008.8 29.3 69.3#



#71
Phenanthrene
Concen: 157.955 ng
RT: 17.398 min Scan# 2399
Delta R.T. 0.006 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

Tgt Ion:178 Resp:10692778
Ion Ratio Lower Upper
178 100
176 20.5 15.6 23.4
179 16.1 12.5 18.7





#72

Anthracene

Concen: 41.406 ng

RT: 17.480 min Scan# 2418

Delta R.T. -0.006 min

Lab File: BM039128.D

Acq: 23 Mar 2023 22:36

Instrument :

BNA_M

ClientSampleId :

WC1-20230322

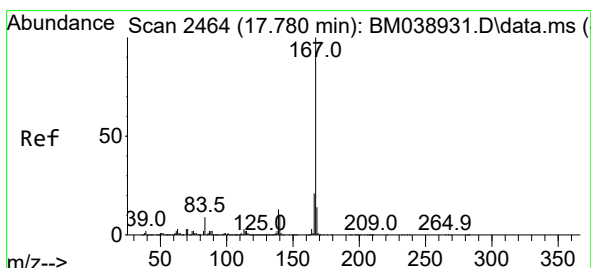
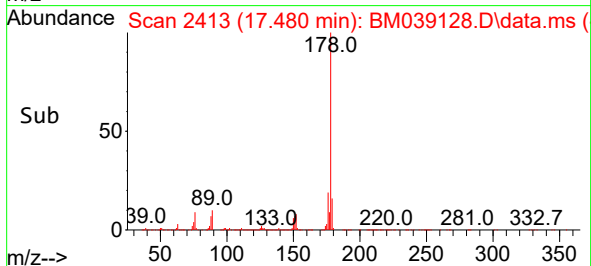
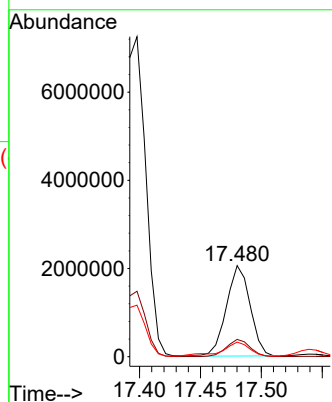
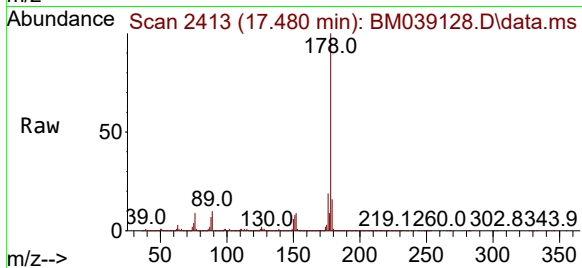
Tgt Ion:178 Resp: 2795290

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.9 12.5 18.7



#73

Carbazole

Concen: 14.203 ng

RT: 17.751 min Scan# 2459

Delta R.T. -0.006 min

Lab File: BM039128.D

Acq: 23 Mar 2023 22:36

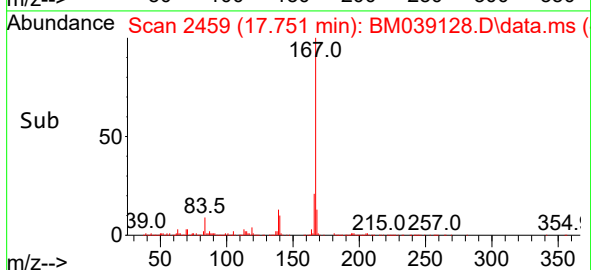
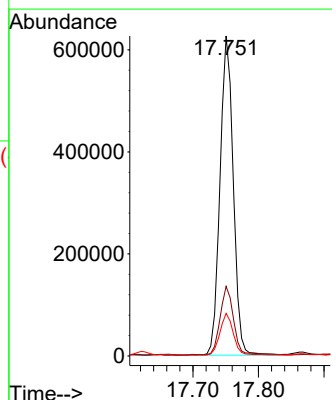
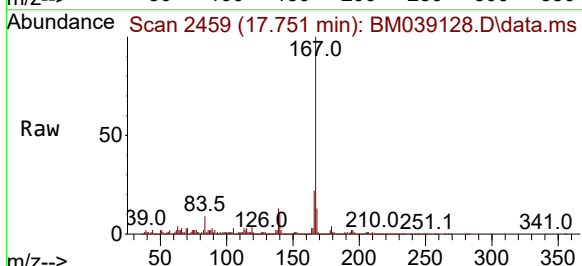
Tgt Ion:167 Resp: 875057

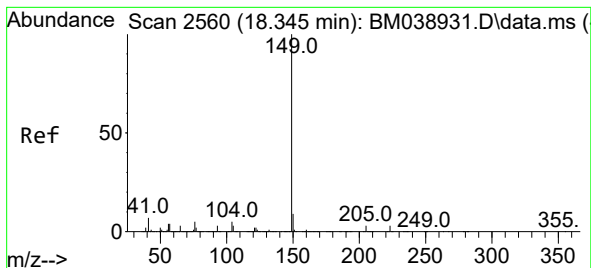
Ion Ratio Lower Upper

167 100

166 21.8 17.0 25.4

139 13.3 10.3 15.5





#74

Di-n-butylphthalate

Concen: 2.010 ng

RT: 18.315 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM039128.D

Acq: 23 Mar 2023 22:36

Instrument :

BNA_M

ClientSampleId :

WC1-20230322

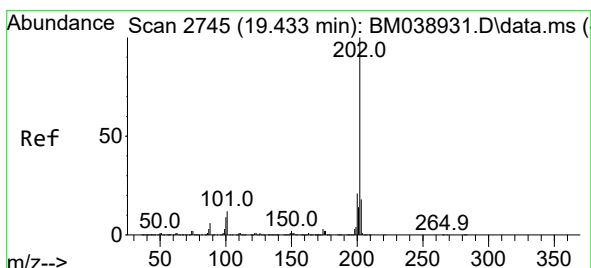
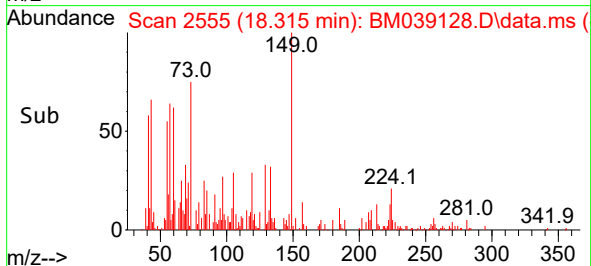
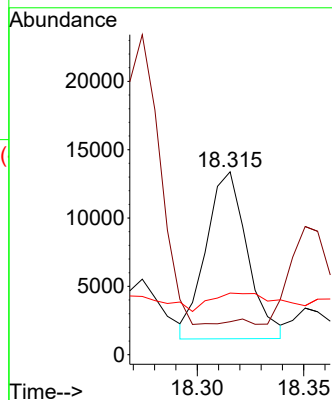
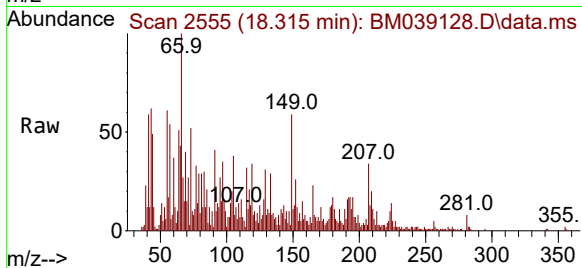
Tgt Ion:149 Resp: 16500

Ion Ratio Lower Upper

149 100

150 18.0 7.4 11.2#

104 33.7 4.3 6.5#



#75

Fluoranthene

Concen: 163.946 ng

RT: 19.415 min Scan# 2742

Delta R.T. 0.006 min

Lab File: BM039128.D

Acq: 23 Mar 2023 22:36

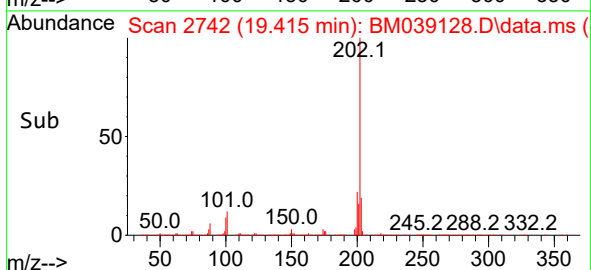
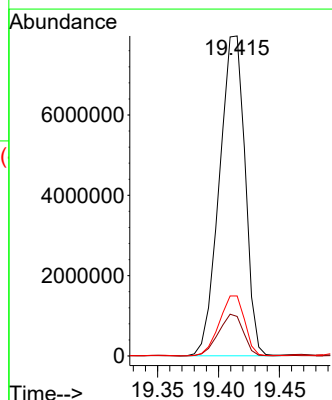
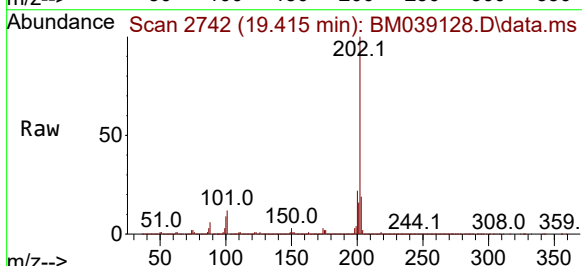
Tgt Ion:202 Resp:11718129

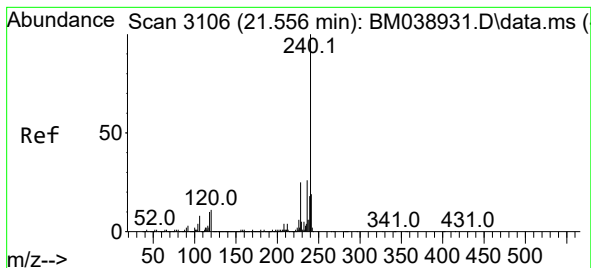
Ion Ratio Lower Upper

202 100

101 12.3 0.0 31.7

203 18.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.533 min Scan# 31

Delta R.T. 0.000 min

Lab File: BM039128.D

Acq: 23 Mar 2023 22:36

Instrument :

BNA_M

ClientSampleId :

WC1-20230322

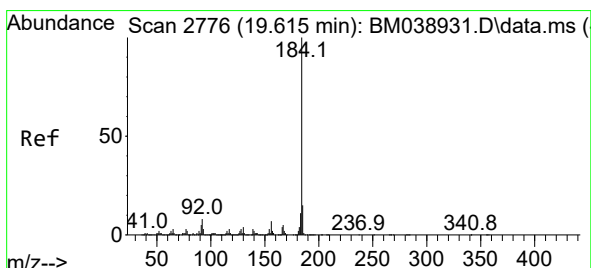
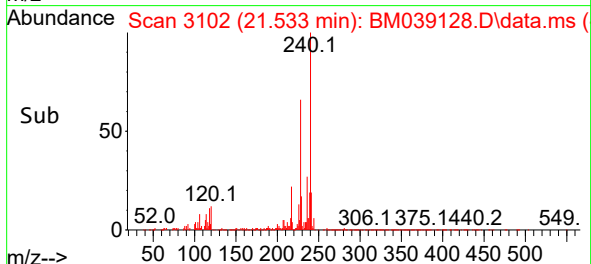
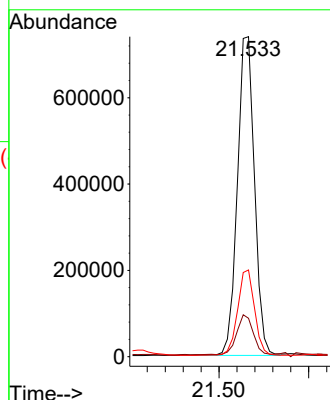
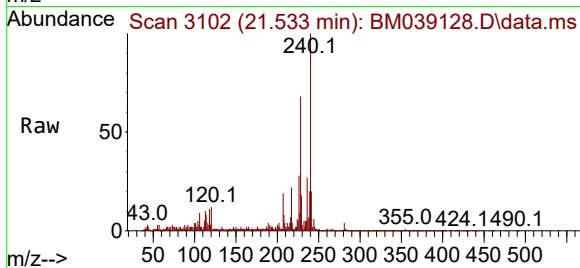
Tgt Ion:240 Resp: 978926

Ion Ratio Lower Upper

240 100

120 12.0 9.2 13.8

236 27.1 20.8 31.2



#77

Benzidine

Concen: 4.910 ng

RT: 19.639 min Scan# 2780

Delta R.T. 0.047 min

Lab File: BM039128.D

Acq: 23 Mar 2023 22:36

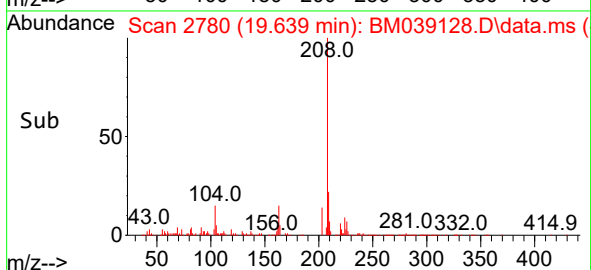
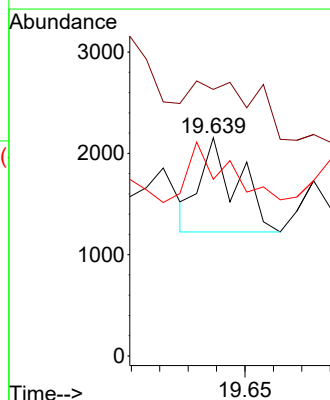
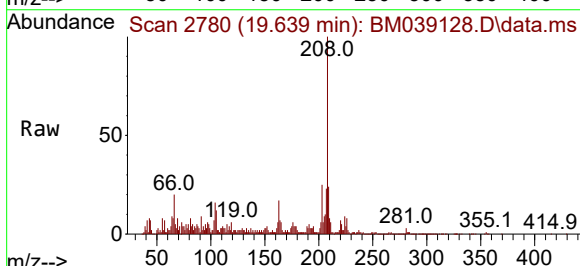
Tgt Ion:184 Resp: 846

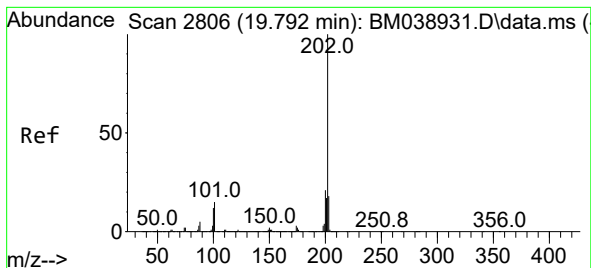
Ion Ratio Lower Upper

184 100

185 122.1 12.2 18.4#

183 80.9 8.8 13.2#





#78

Pyrene

Concen: 148.672 ng

RT: 19.774 min Scan# 2803

Delta R.T. 0.006 min

Lab File: BM039128.D

Acq: 23 Mar 2023 22:36

Instrument :

BNA_M

ClientSampleId :

WC1-20230322

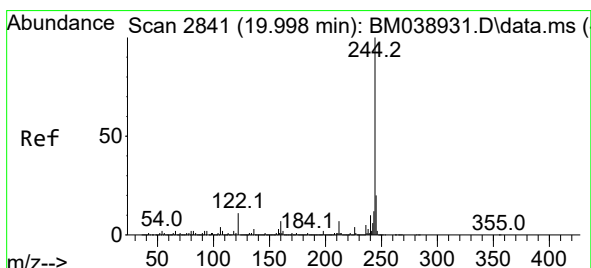
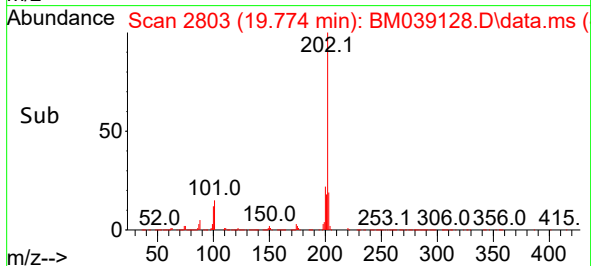
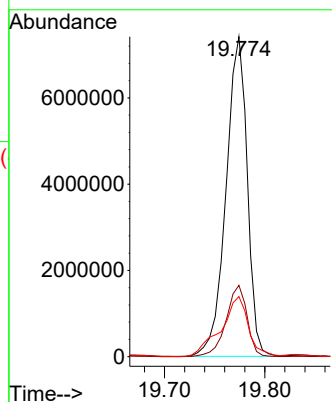
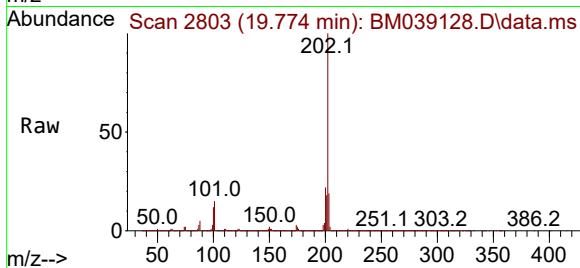
Tgt Ion:202 Resp:10931156

Ion Ratio Lower Upper

202 100

200 22.3 17.1 25.7

203 18.8 14.1 21.1



#79

Terphenyl-d14

Concen: 50.843 ng

RT: 19.968 min Scan# 2836

Delta R.T. 0.000 min

Lab File: BM039128.D

Acq: 23 Mar 2023 22:36

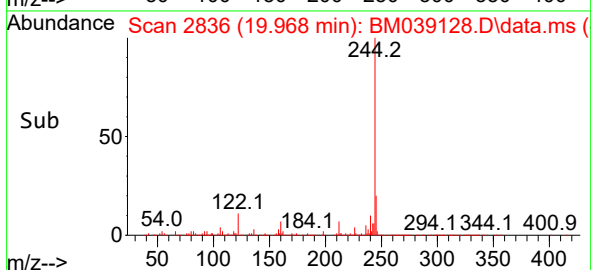
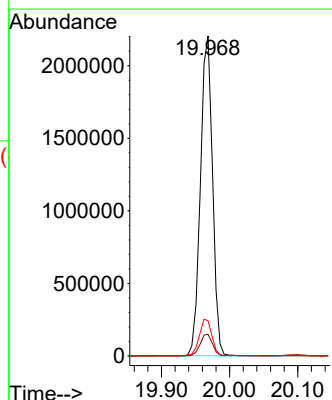
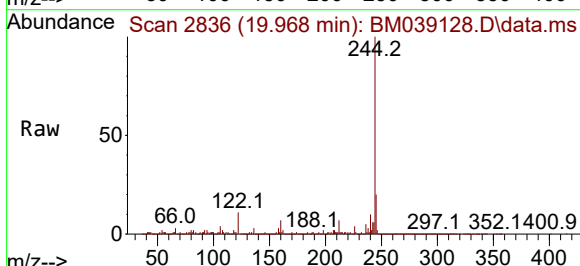
Tgt Ion:244 Resp: 2722243

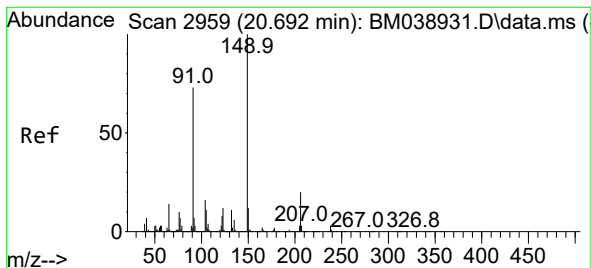
Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

122 11.0 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.328 ng

RT: 20.662 min Scan# 2959

Delta R.T. 0.000 min

Lab File: BM039128.D

Acq: 23 Mar 2023 22:36

Instrument :

BNA_M

ClientSampleId :

WC1-20230322

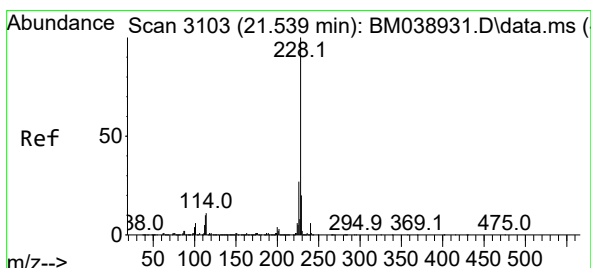
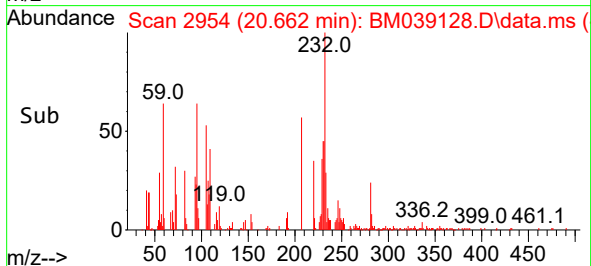
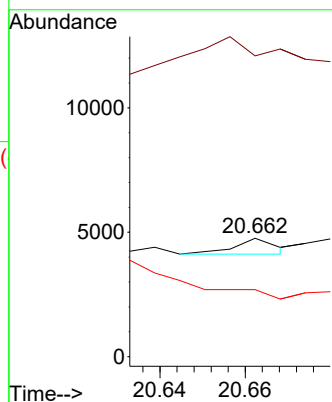
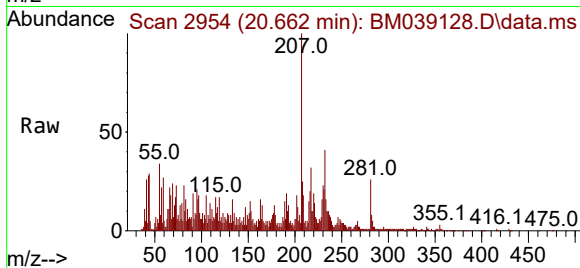
Tgt Ion:149 Resp: 420

Ion Ratio Lower Upper

149 100

91 254.1 58.4 87.6#

206 56.6 16.1 24.1#



#81

Benzo(a)anthracene

Concen: 75.860 ng

RT: 21.515 min Scan# 3099

Delta R.T. 0.000 min

Lab File: BM039128.D

Acq: 23 Mar 2023 22:36

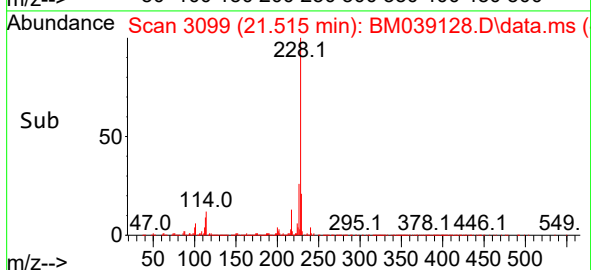
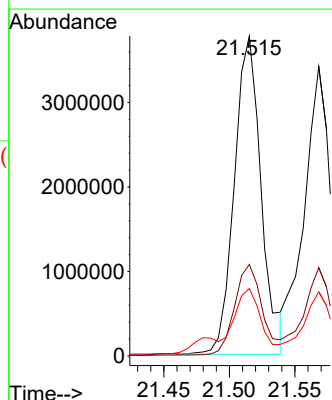
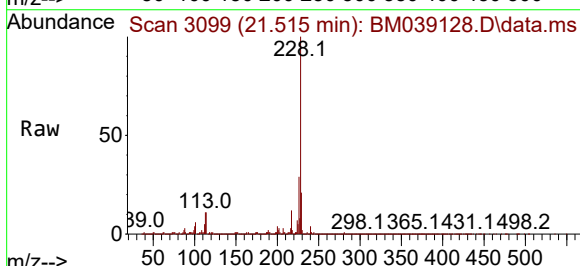
Tgt Ion:228 Resp: 5347955

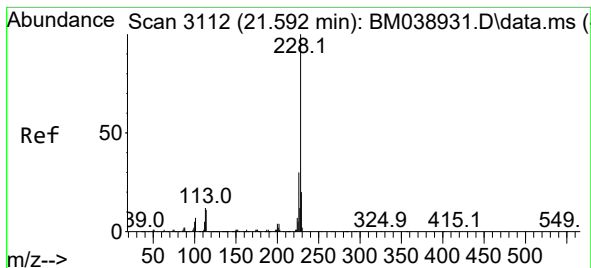
Ion Ratio Lower Upper

228 100

226 28.6 21.4 32.2

229 21.0 15.7 23.5





#83

Chrysene

Concen: 69.128 ng

RT: 21.568 min Scan# 3112

Delta R.T. 0.000 min

Lab File: BM039128.D

Acq: 23 Mar 2023 22:36

Instrument :

BNA_M

ClientSampleId :

WC1-20230322

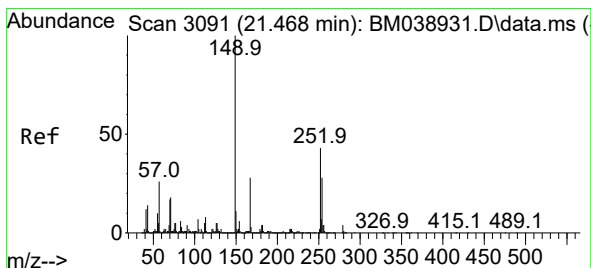
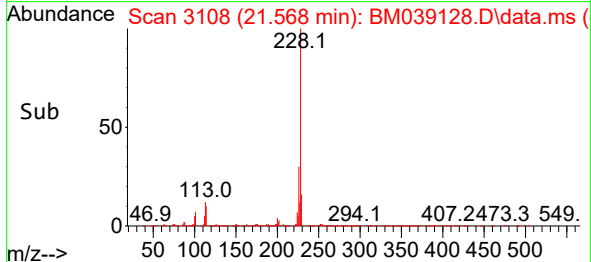
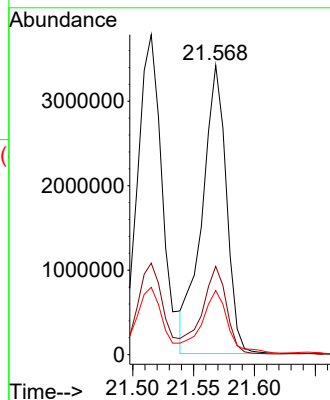
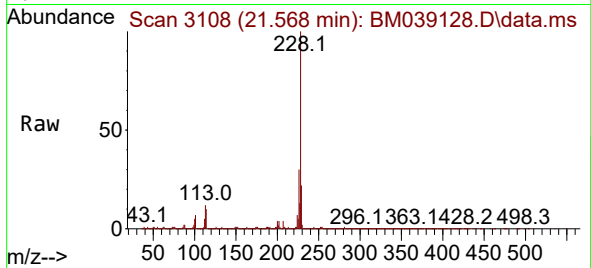
Tgt Ion:228 Resp: 4739739

Ion Ratio Lower Upper

228 100

226 30.5 24.0 36.0

229 22.2 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.158 ng

RT: 21.433 min Scan# 3085

Delta R.T. -0.006 min

Lab File: BM039128.D

Acq: 23 Mar 2023 22:36

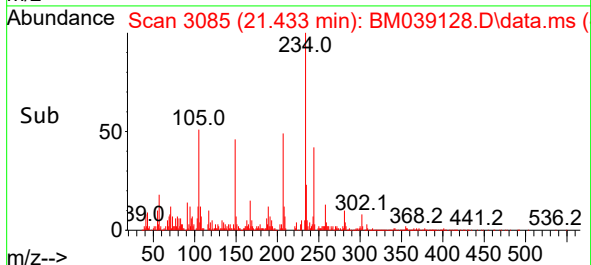
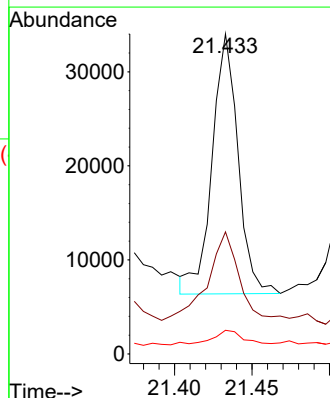
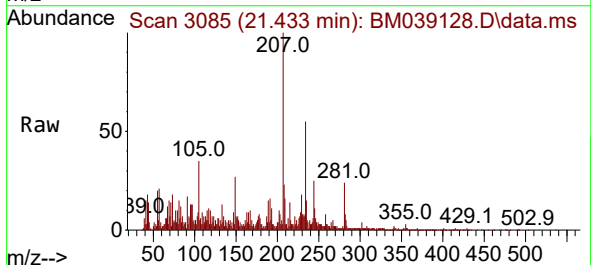
Tgt Ion:149 Resp: 32097

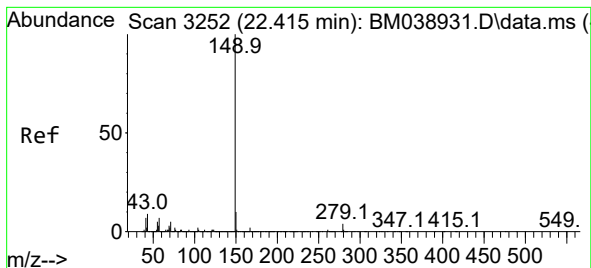
Ion Ratio Lower Upper

149 100

167 38.2 22.3 33.5#

279 7.4 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 3.837 ng

RT: 22.368 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039128.D

Acq: 23 Mar 2023 22:36

Instrument :

BNA_M

ClientSampleId :

WC1-20230322

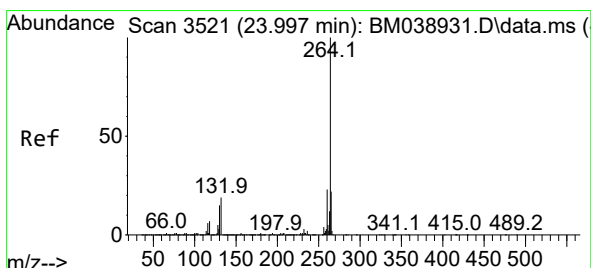
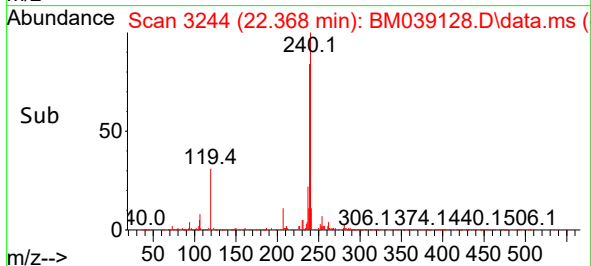
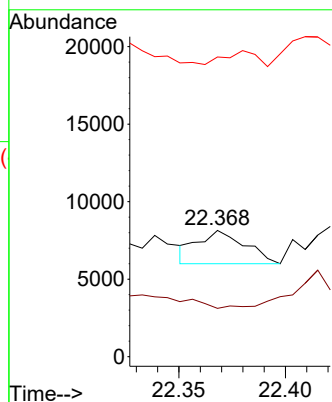
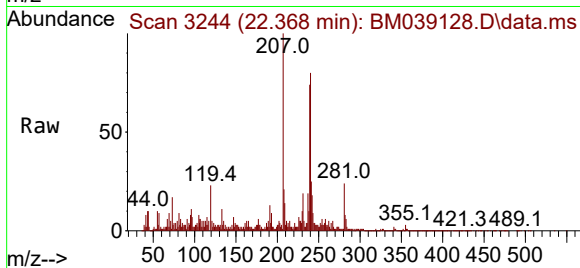
Tgt Ion:149 Resp: 3281

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 0.0 7.4 11.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.962 min Scan# 3515

Delta R.T. 0.000 min

Lab File: BM039128.D

Acq: 23 Mar 2023 22:36

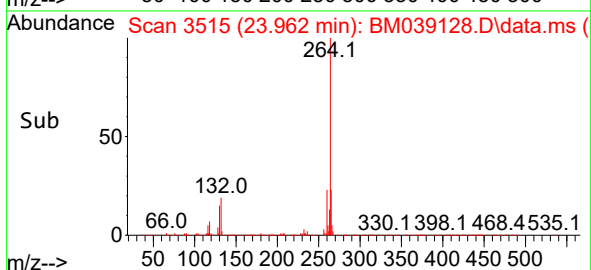
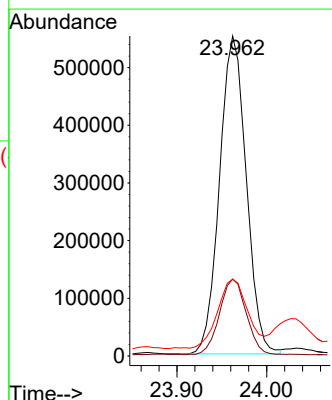
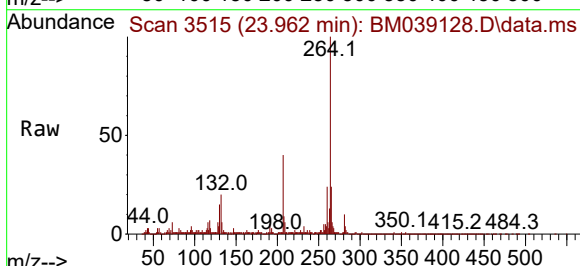
Tgt Ion:264 Resp: 1140079

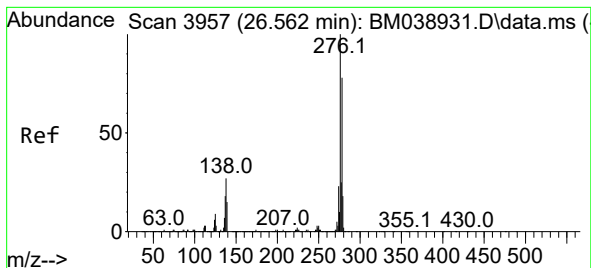
Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 24.0 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 34.301 ng

RT: 26.497 min Scan# 3946

Delta R.T. 0.000 min

Lab File: BM039128.D

Acq: 23 Mar 2023 22:36

Instrument :

BNA_M

ClientSampleId :

WC1-20230322

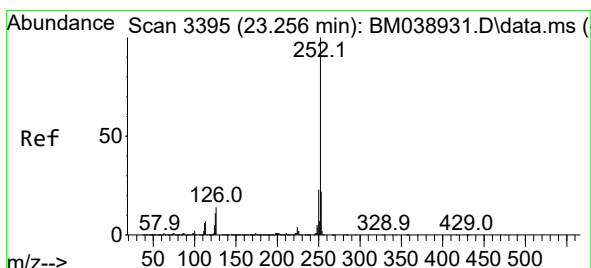
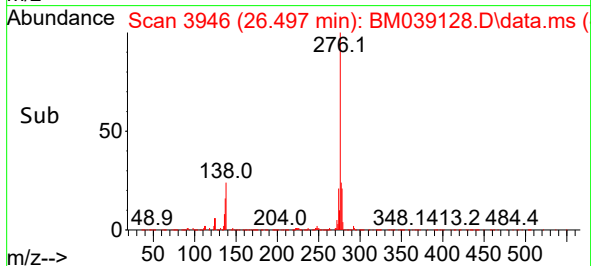
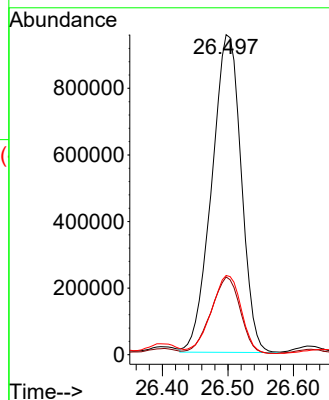
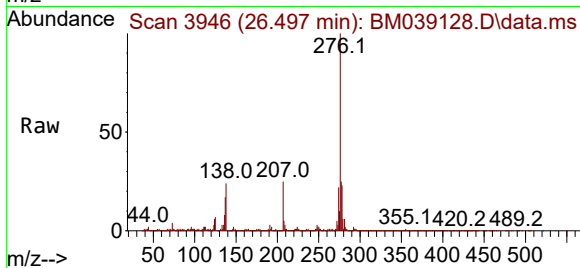
Tgt Ion:276 Resp: 2975636

Ion Ratio Lower Upper

276 100

138 24.0 22.1 33.1

277 25.0 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 81.885 ng

RT: 23.227 min Scan# 3390

Delta R.T. 0.006 min

Lab File: BM039128.D

Acq: 23 Mar 2023 22:36

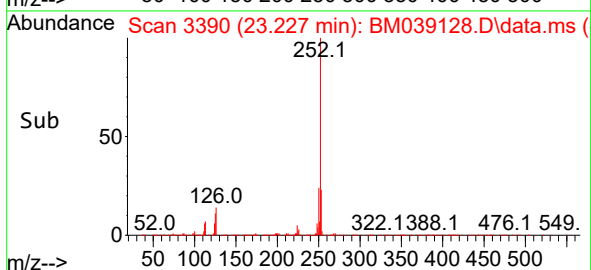
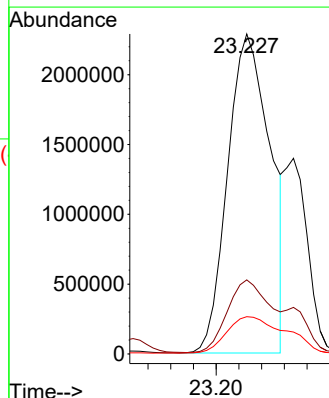
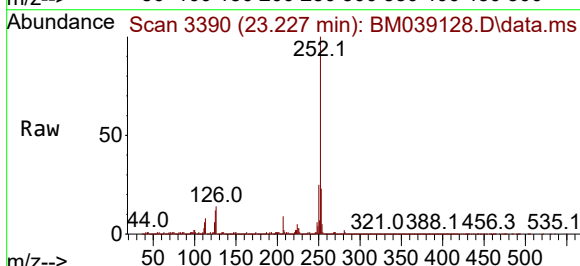
Tgt Ion:252 Resp: 5964165

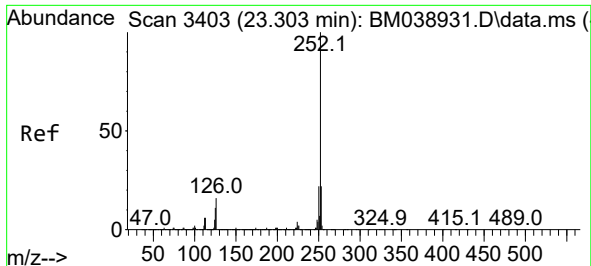
Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 11.7 8.8 13.2

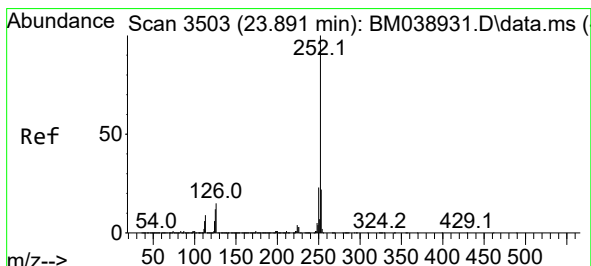
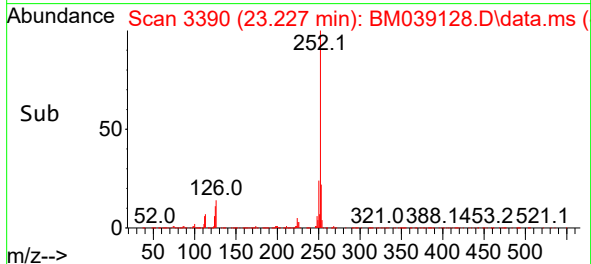
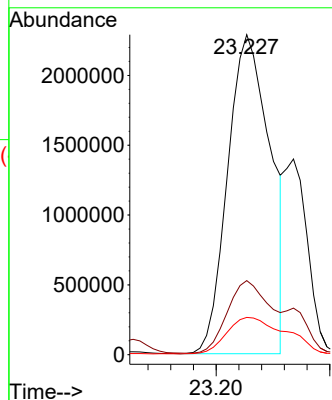
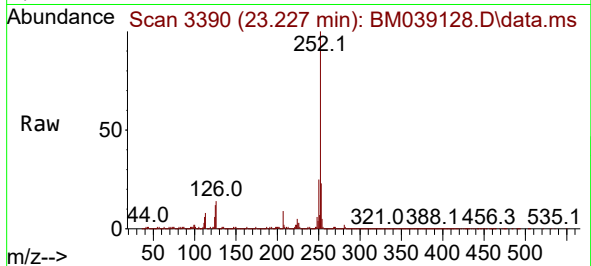




#89
Benzo(k)fluoranthene
Concen: 78.683 ng
RT: 23.227 min Scan# 31
Delta R.T. -0.041 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

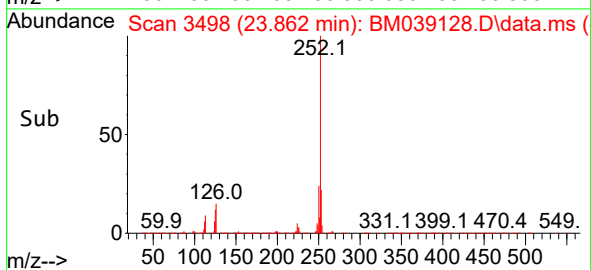
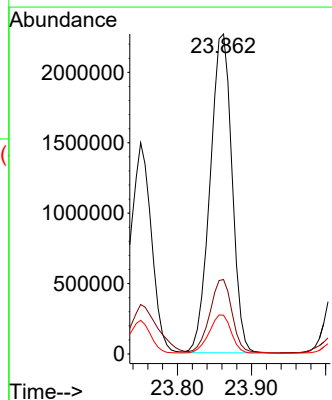
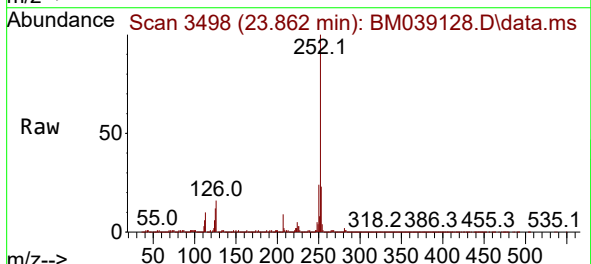
Instrument :
BNA_M
ClientSampleId :
WC1-20230322

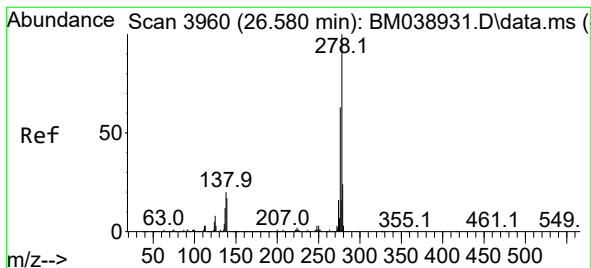
Tgt Ion:252 Resp: 5964165
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 11.7 8.9 13.3



#90
Benzo(a)pyrene
Concen: 66.255 ng
RT: 23.862 min Scan# 3498
Delta R.T. 0.006 min
Lab File: BM039128.D
Acq: 23 Mar 2023 22:36

Tgt Ion:252 Resp: 4644393
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 12.1 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 10.737 ng

RT: 26.509 min Scan# 3948

Delta R.T. 0.000 min

Lab File: BM039128.D

Acq: 23 Mar 2023 22:36

Instrument :

BNA_M

ClientSampleId :

WC1-20230322

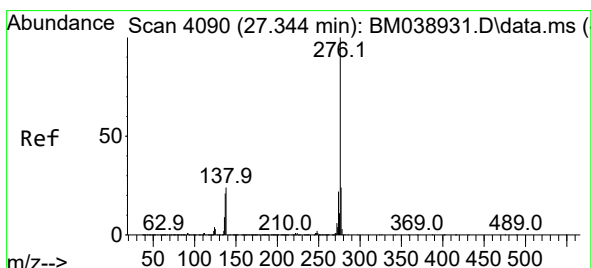
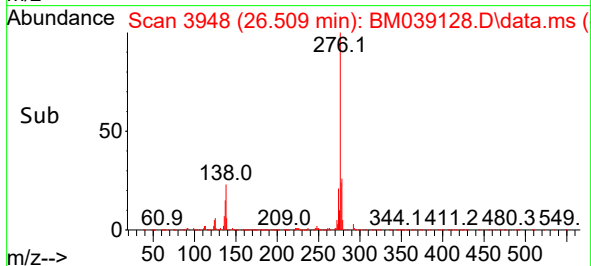
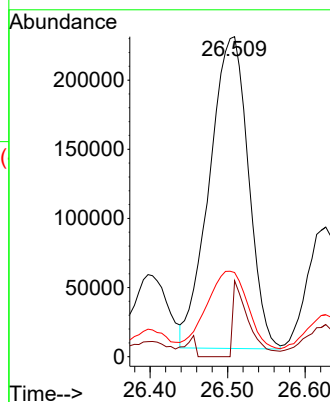
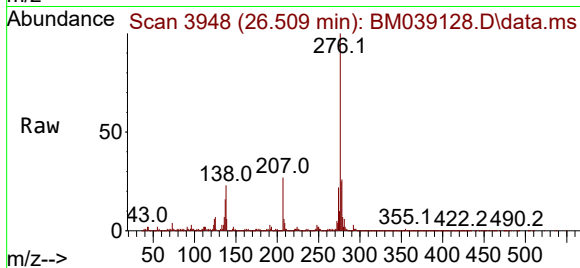
Tgt Ion:278 Resp: 788795

Ion Ratio Lower Upper

278 100

139 23.8 13.7 20.5#

279 26.3 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 40.268 ng

RT: 27.285 min Scan# 4080

Delta R.T. 0.012 min

Lab File: BM039128.D

Acq: 23 Mar 2023 22:36

Tgt Ion:276 Resp: 2894405

Ion Ratio Lower Upper

276 100

277 24.3 19.3 28.9

138 24.2 19.0 28.6

