

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
 Data File : BM039122.D
 Acq On : 23 Mar 2023 18:48
 Operator : CG/JU
 Sample : 02045-08
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC2-20230322

Quant Time: Mar 24 04:31:38 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)

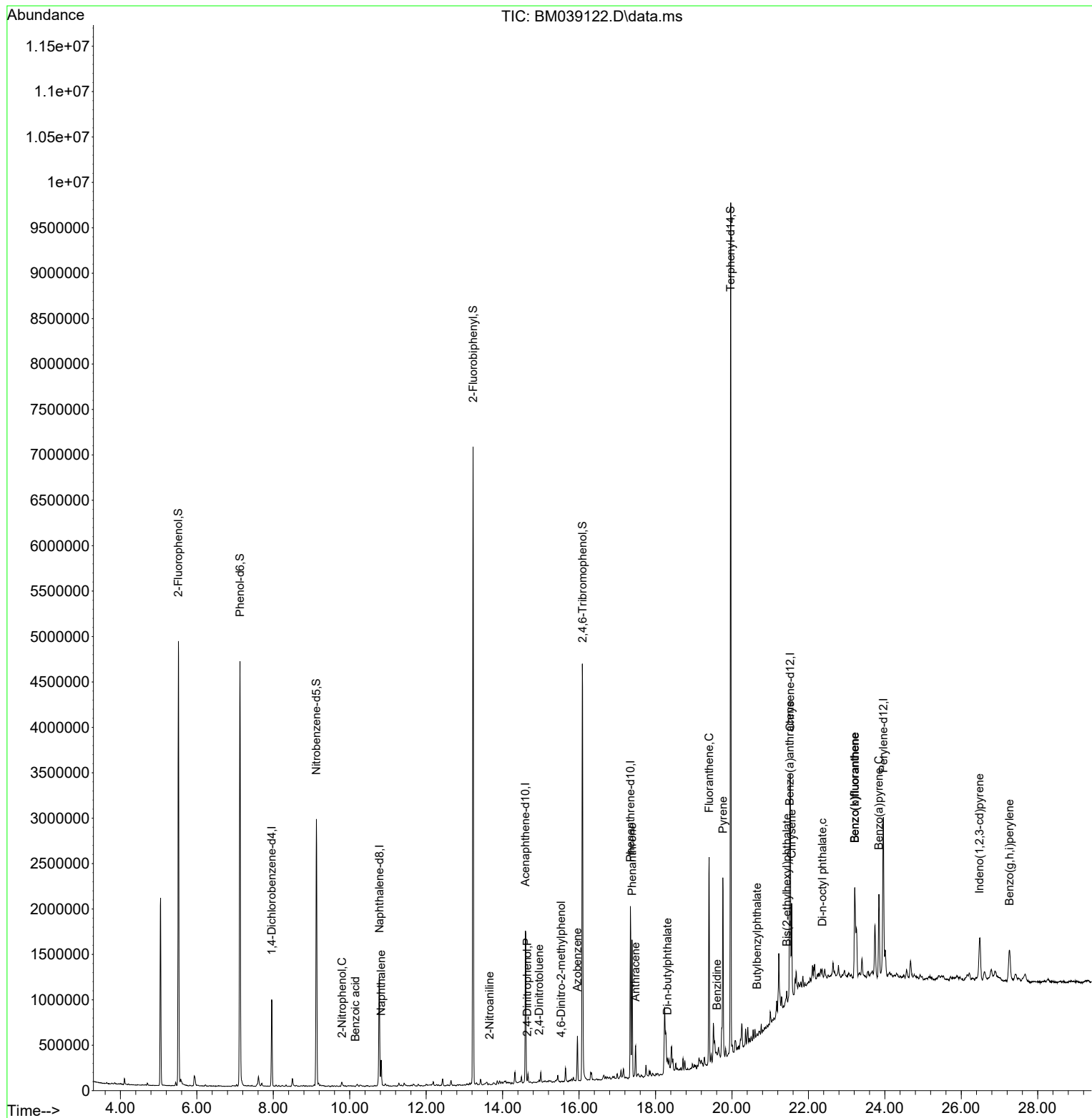
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.957	152	257894	20.000	ng	-0.01
21) Naphthalene-d8	10.775	136	1010079	20.000	ng	0.00
39) Acenaphthene-d10	14.598	164	568873	20.000	ng	-0.01
64) Phenanthrene-d10	17.345	188	1089530	20.000	ng	0.00
76) Chrysene-d12	21.527	240	971294	20.000	ng	0.00
86) Perylene-d12	23.962	264	1243398	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	2224727	131.062	ng	0.00
7) Phenol-d6	7.128	99	2835328	128.596	ng	0.00
23) Nitrobenzene-d5	9.128	82	1704976	82.914	ng	-0.01
42) 2,4,6-Tribromophenol	16.092	330	858011	130.378	ng	0.00
45) 2-Fluorobiphenyl	13.227	172	3507407	80.263	ng	0.00
79) Terphenyl-d14	19.968	244	4396305	82.755	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.798	139	296	3.020	ng	# 1
31) Naphthalene	10.822	128	228427	3.966	ng	99
32) Benzoic acid	10.151	122	544	5.772	ng	# 1
48) 2-Nitroaniline	13.663	65	613	2.266	ng	# 27
54) 2,4-Dinitrophenol	14.645	184	59	5.201	ng	# 1
57) 2,4-Dinitrotoluene	14.957	165	1118	2.155	ng	# 58
63) Azobenzene	15.957	77	133567	2.964	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.533	198	53	5.095	ng	# 1
71) Phenanthrene	17.386	178	882990	13.809	ng	100
72) Anthracene	17.480	178	209850	3.291	ng	99
74) Di-n-butylphthalate	18.315	149	51055	2.491	ng	# 98
75) Fluoranthene	19.403	202	1267569	18.774	ng	100
77) Benzidine	19.609	184	110	4.881	ng	# 1
78) Pyrene	19.762	202	1171573	16.059	ng	99
80) Butylbenzylphthalate	20.656	149	1552	3.362	ng	# 18
81) Benzo(a)anthracene	21.509	228	643225	9.196	ng	97
83) Chrysene	21.562	228	576980	8.481	ng	98
84) Bis(2-ethylhexyl)phtha...	21.433	149	40155	3.334	ng	96
85) Di-n-octyl phthalate	22.368	149	5202	3.861	ng	# 74
87) Indeno(1,2,3-cd)pyrene	26.479	276	480056	5.074	ng	97
88) Benzo(b)fluoranthene	23.215	252	867762	10.924	ng	97
89) Benzo(k)fluoranthene	23.215	252	867762	10.497	ng	97
90) Benzo(a)pyrene	23.844	252	639661	8.367	ng	97
92) Benzo(g,h,i)perylene	27.262	276	467470	5.963	ng	99

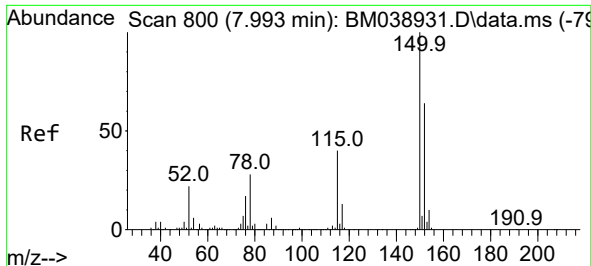
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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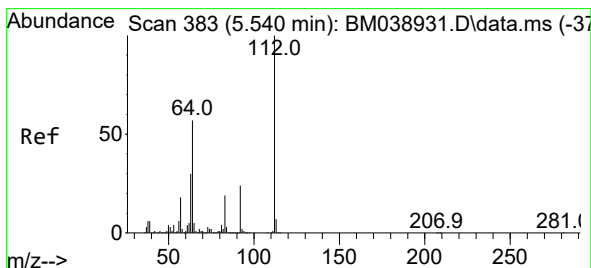
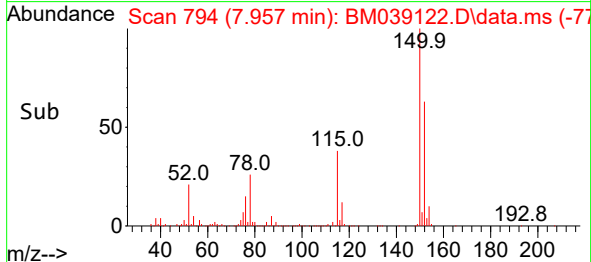
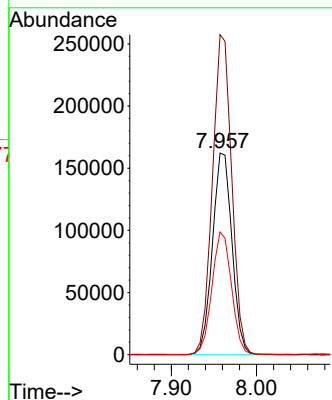
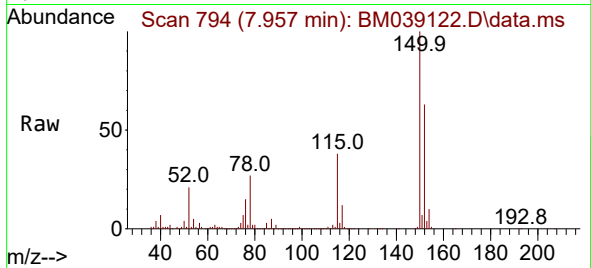




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.957 min Scan# 794
Delta R.T. -0.012 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

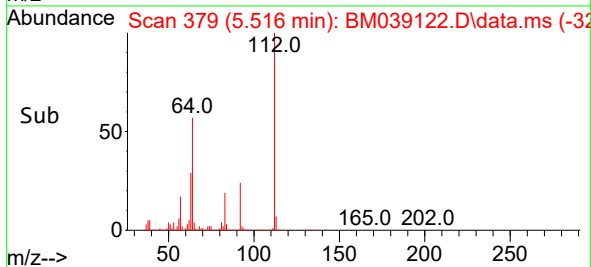
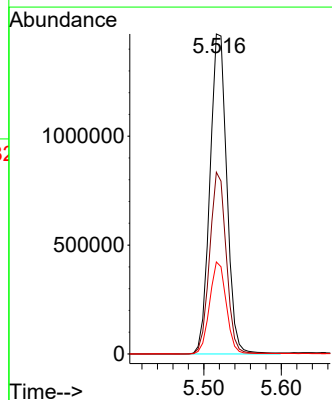
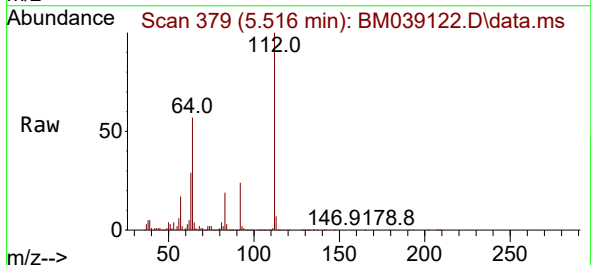
Instrument :
BNA_M
ClientSampleId :
WC2-20230322

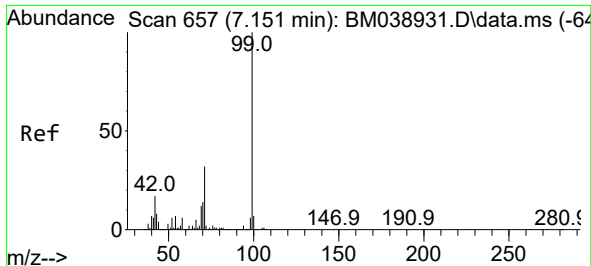
Tgt Ion:152 Resp: 257894
Ion Ratio Lower Upper
152 100
150 158.7 125.1 187.7
115 60.9 49.6 74.4



#5
2-Fluorophenol
Concen: 131.062 ng
RT: 5.516 min Scan# 379
Delta R.T. -0.006 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

Tgt Ion:112 Resp: 2224727
Ion Ratio Lower Upper
112 100
64 56.8 45.9 68.9
63 28.8 23.8 35.8



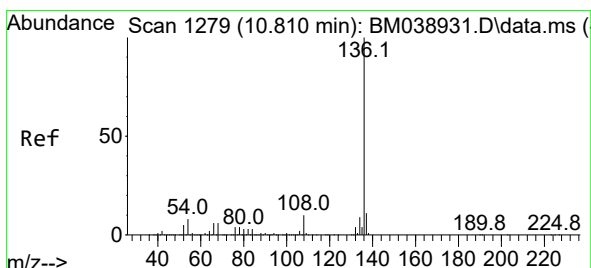
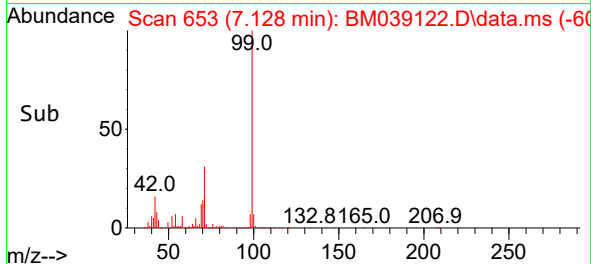
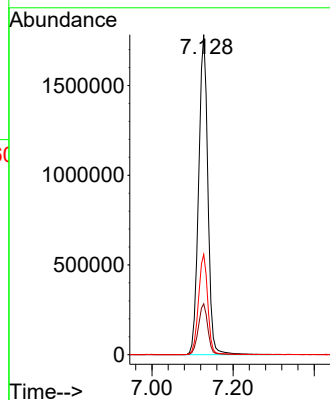
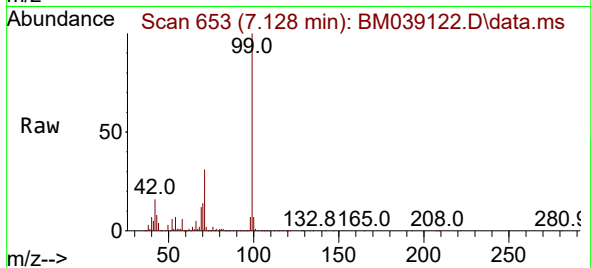


#7
Phenol-d6
Concen: 128.596 ng
RT: 7.128 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

Instrument :
BNA_M
ClientSampleId :
WC2-20230322

Tgt Ion: 99 Resp: 2835328

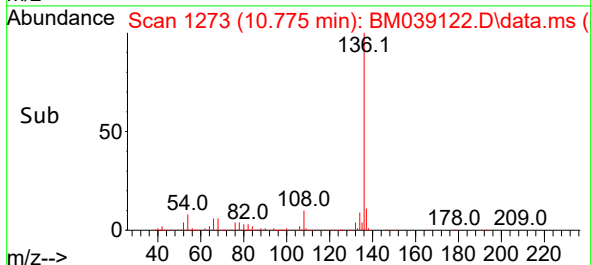
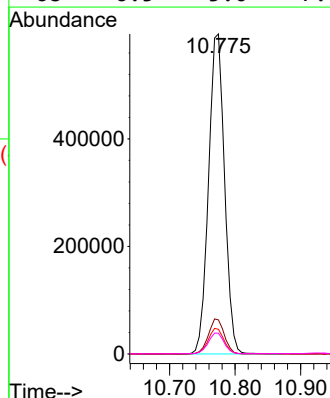
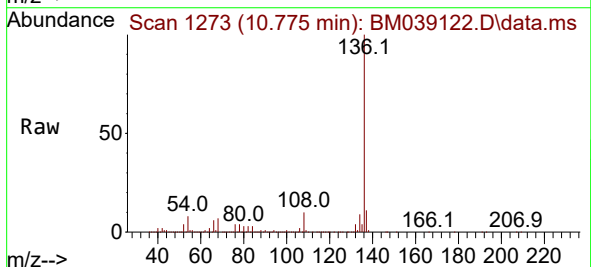
Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.5	20.3
71	31.4	25.6	38.4

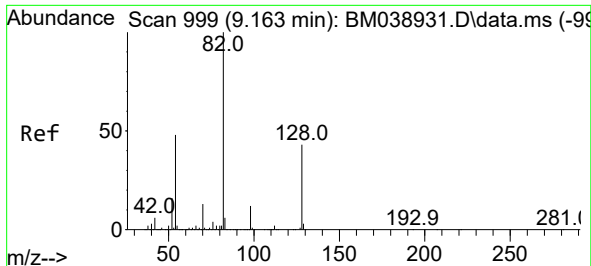


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.775 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

Tgt Ion: 136 Resp: 1010079

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	7.7	6.3	9.5
68	6.5	5.0	7.6

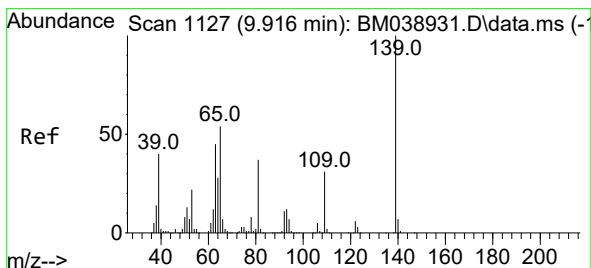
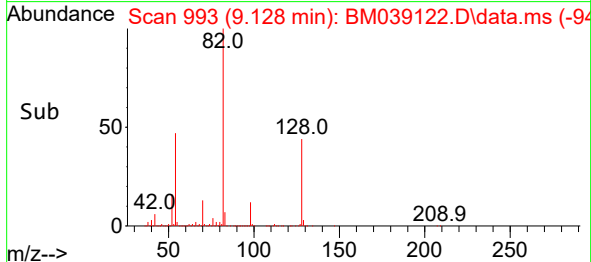
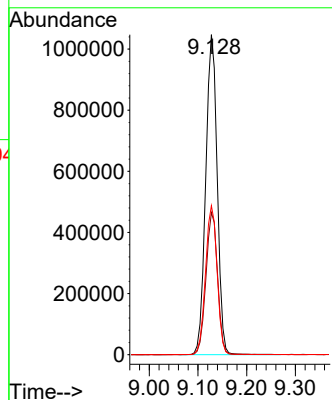
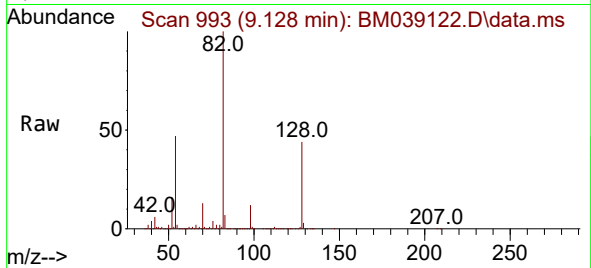




#23
Nitrobenzene-d5
Concen: 82.914 ng
RT: 9.128 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

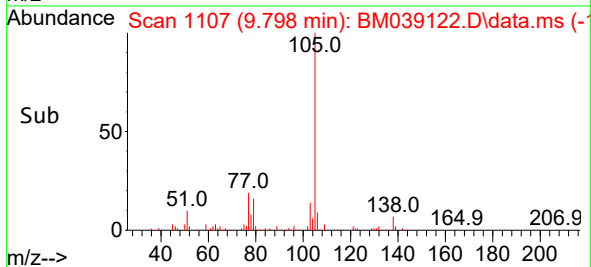
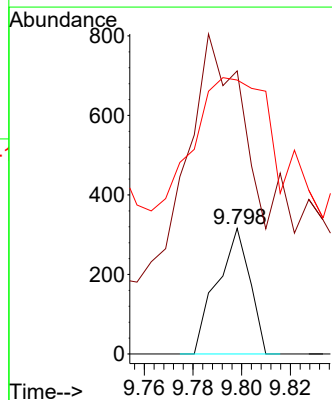
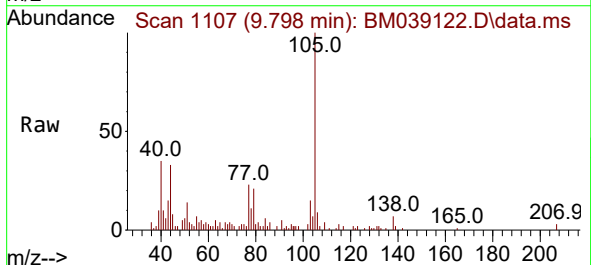
Instrument :
BNA_M
ClientSampleId :
WC2-20230322

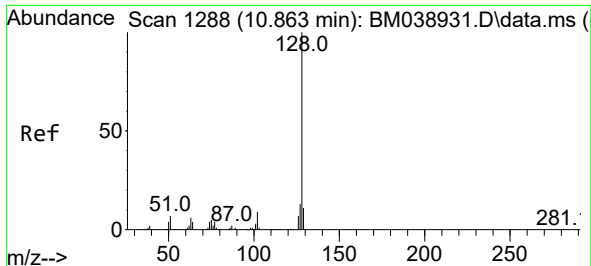
Tgt Ion: 82 Resp: 1704976
Ion Ratio Lower Upper
82 100
128 44.4 34.4 51.6
54 46.6 38.8 58.2



#26
2-Nitrophenol
Concen: 3.020 ng
RT: 9.798 min Scan# 1107
Delta R.T. -0.094 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

Tgt Ion:139 Resp: 296
Ion Ratio Lower Upper
139 100
109 225.3 24.5 36.7#
65 218.0 43.0 64.6#

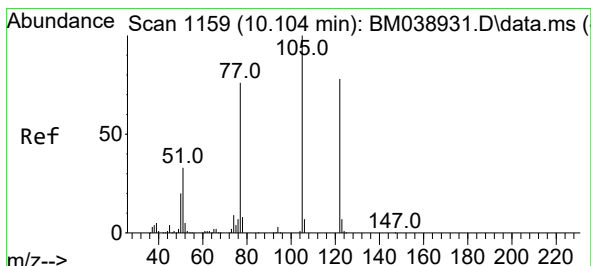
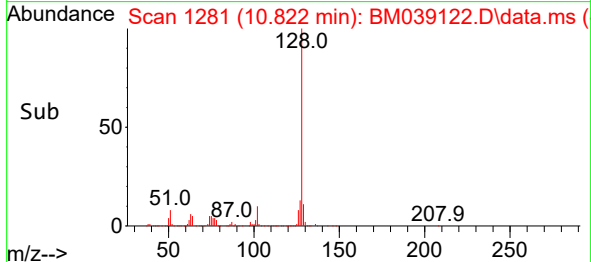
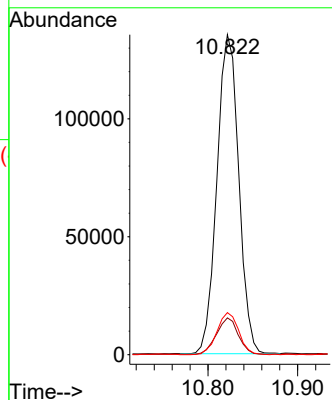
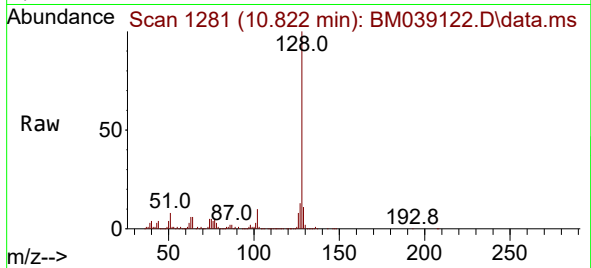




#31
Naphthalene
Concen: 3.966 ng
RT: 10.822 min Scan# 1167
Delta R.T. -0.012 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

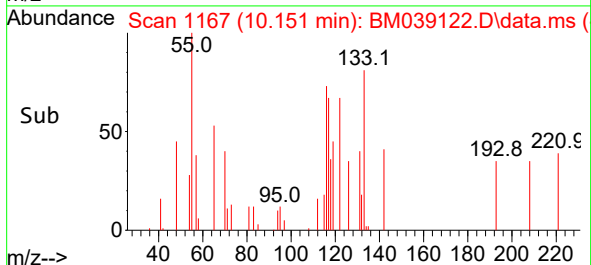
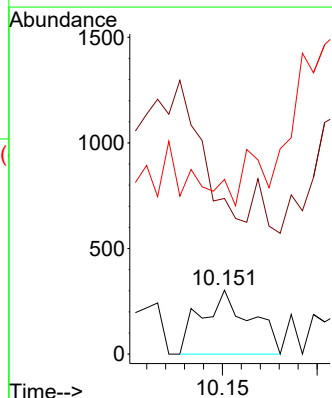
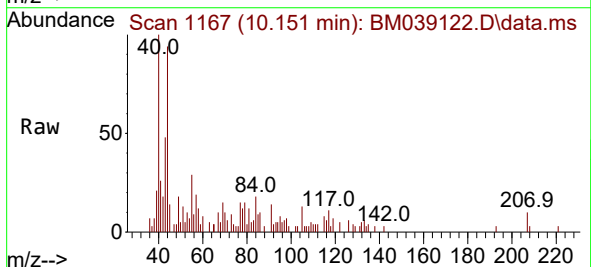
Instrument :
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ClientSampleId :
WC2-20230322

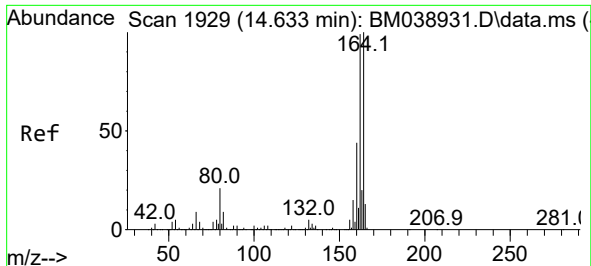
Tgt Ion:128 Resp: 228427
Ion Ratio Lower Upper
128 100
129 11.5 8.6 13.0
127 13.2 10.2 15.4



#32
Benzoic acid
Concen: 5.772 ng
RT: 10.151 min Scan# 1167
Delta R.T. 0.065 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

Tgt Ion:122 Resp: 544
Ion Ratio Lower Upper
122 100
105 243.2 104.2 144.2#
77 272.9 75.1 115.1#

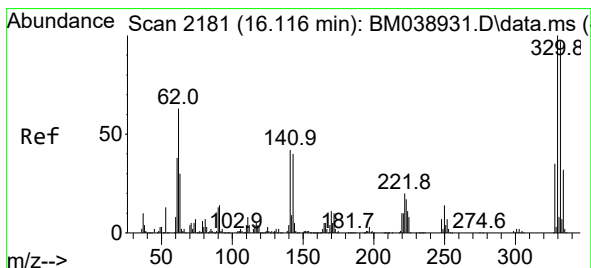
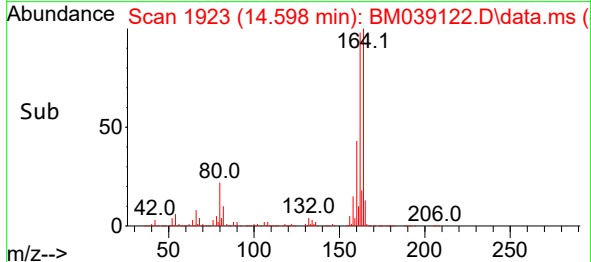
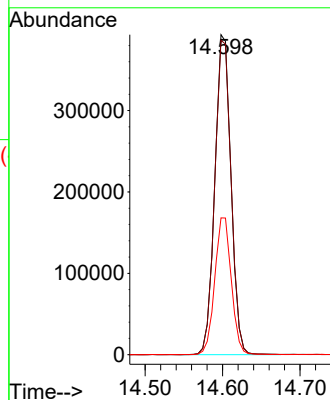
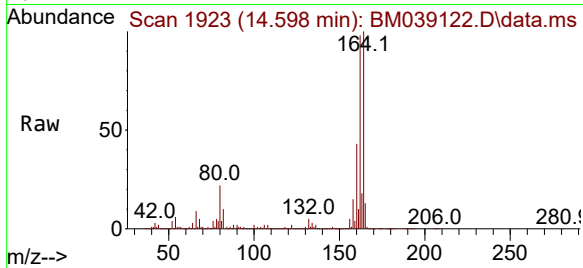




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.598 min Scan# 1923
Delta R.T. -0.012 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

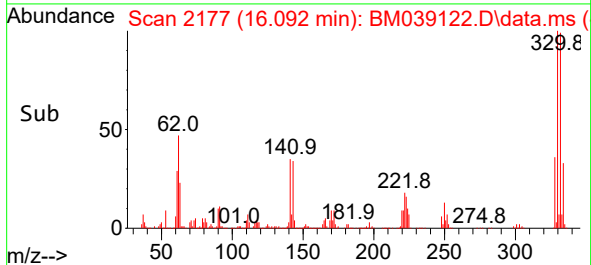
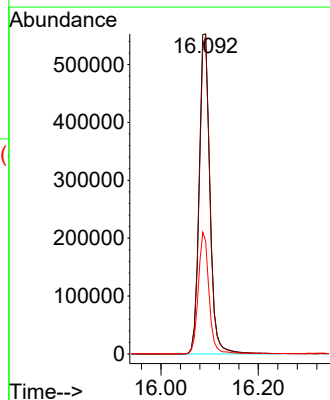
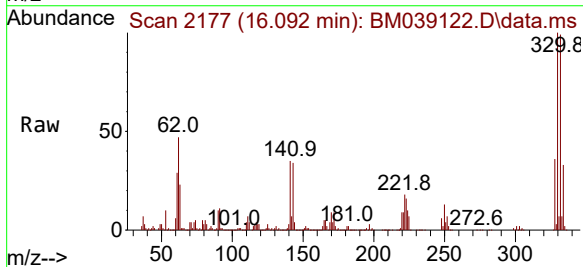
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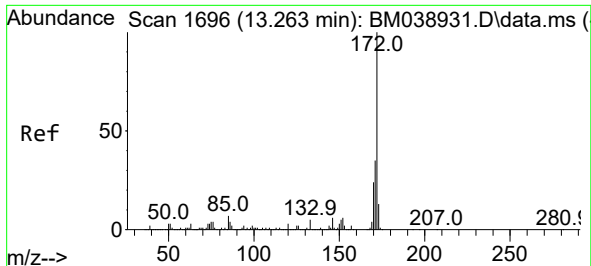
Tgt Ion:164 Resp: 568873
Ion Ratio Lower Upper
164 100
162 98.3 79.2 118.8
160 42.8 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 130.378 ng
RT: 16.092 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

Tgt Ion:330 Resp: 858011
Ion Ratio Lower Upper
330 100
332 97.0 77.4 116.0
141 37.2 32.2 48.4

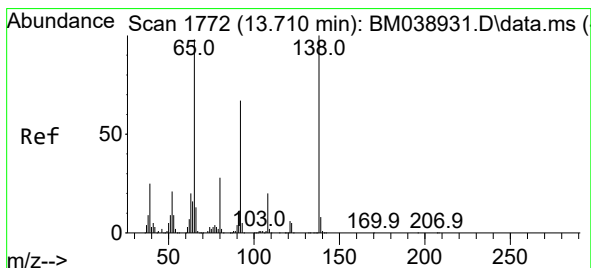
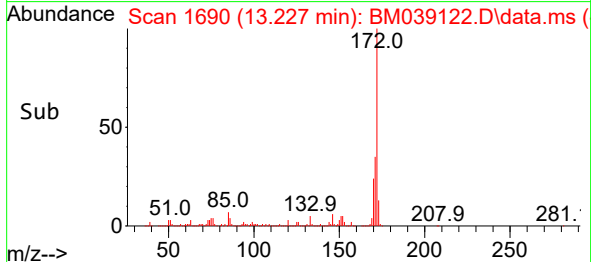
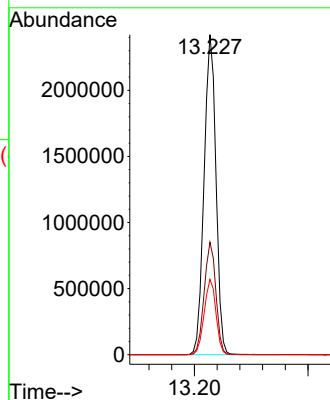
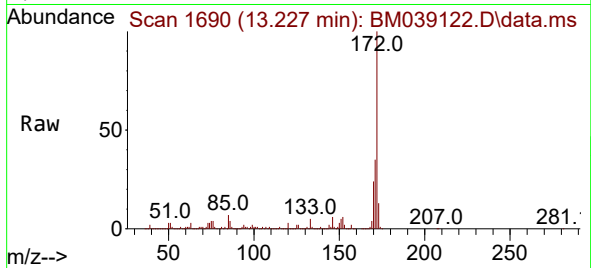




#45
2-Fluorobiphenyl
Concen: 80.263 ng
RT: 13.227 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

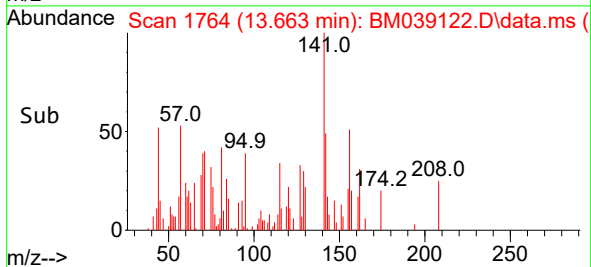
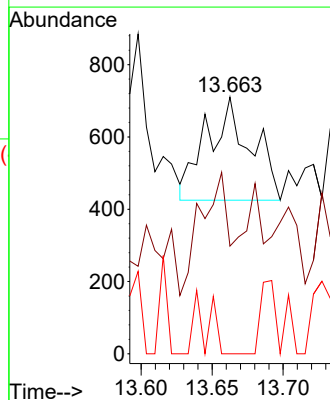
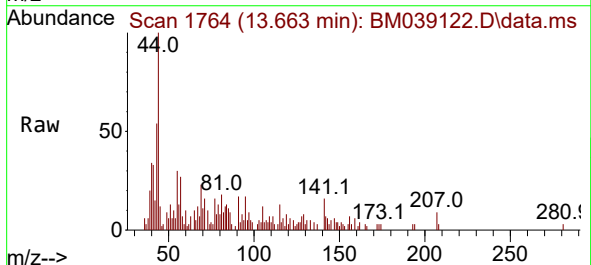
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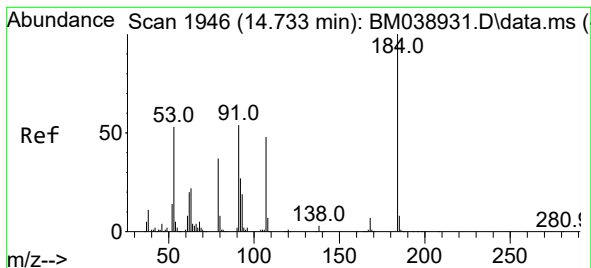
Tgt Ion:172 Resp: 3507407
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.2
170 23.6 19.1 28.7



#48
2-Nitroaniline
Concen: 2.266 ng
RT: 13.663 min Scan# 1764
Delta R.T. -0.029 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

Tgt Ion: 65 Resp: 613
Ion Ratio Lower Upper
65 100
92 42.0 54.9 82.3#
138 0.0 81.6 122.4#

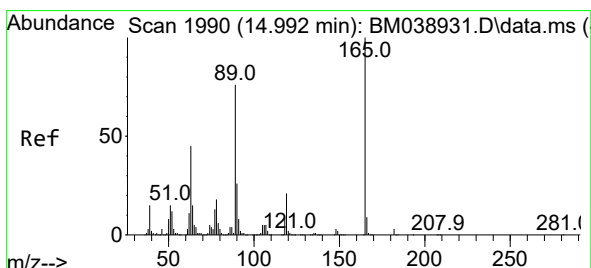
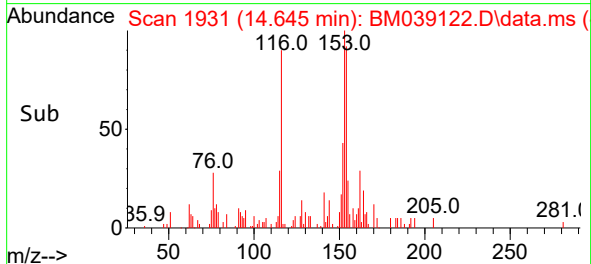
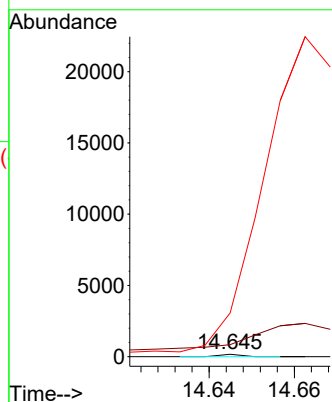
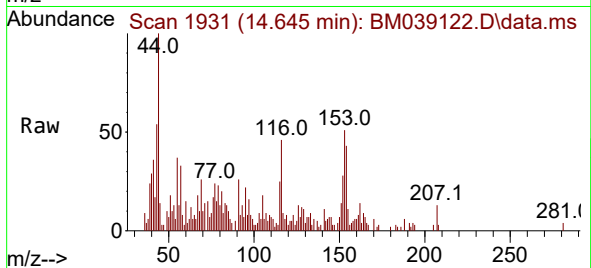




#54
2,4-Dinitrophenol
Concen: 5.201 ng
RT: 14.645 min Scan# 1946
Delta R.T. -0.071 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

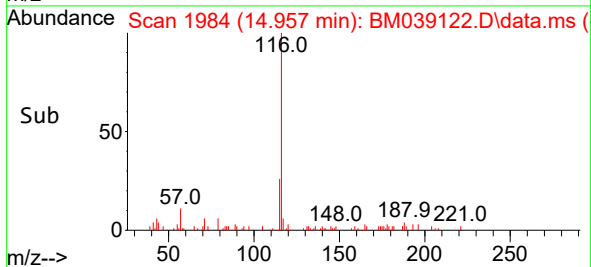
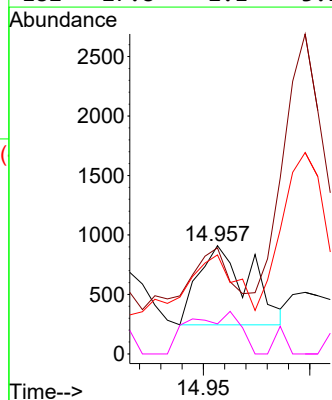
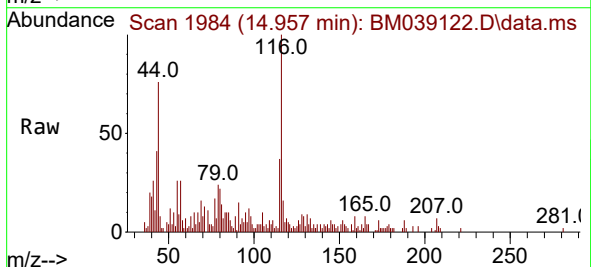
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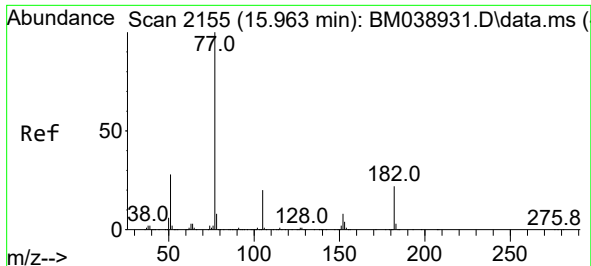
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Ion Ratio Lower Upper
184 100
63 504.8 60.6 90.8#
154 1845.2 51.4 77.2#



#57
2,4-Dinitrotoluene
Concen: 2.155 ng
RT: 14.957 min Scan# 1984
Delta R.T. -0.012 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

Tgt Ion:165 Resp: 1118
Ion Ratio Lower Upper
165 100
63 97.9 35.9 53.9#
89 91.3 61.0 91.6
182 27.8 2.1 3.1#

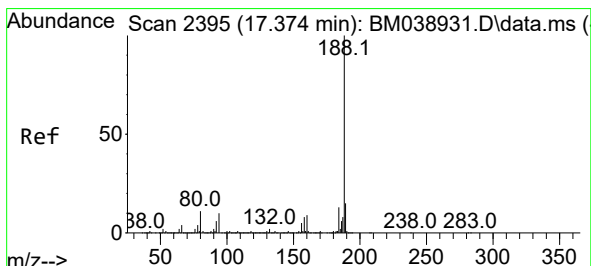
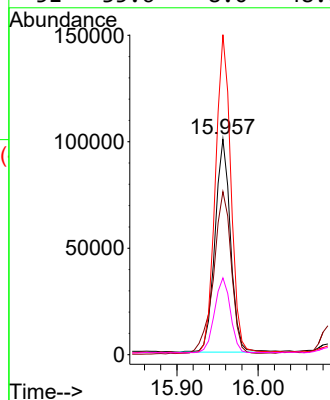
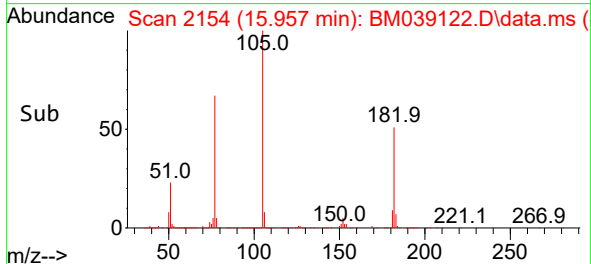
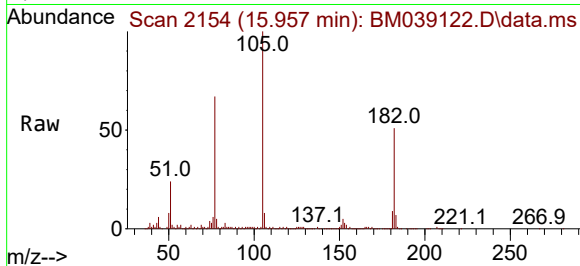




#63
Azobenzene
Concen: 2.964 ng
RT: 15.957 min Scan# 2155
Delta R.T. 0.018 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

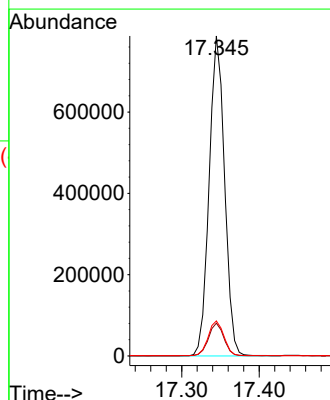
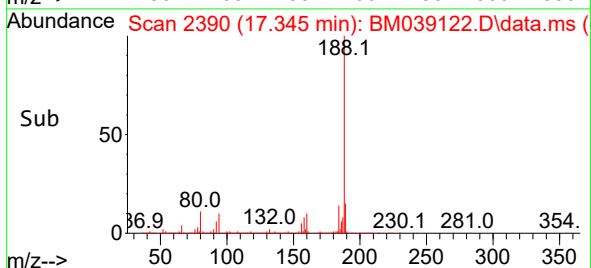
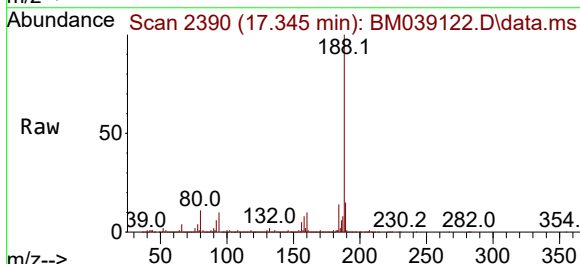
Instrument :
BNA_M
ClientSampleId :
WC2-20230322

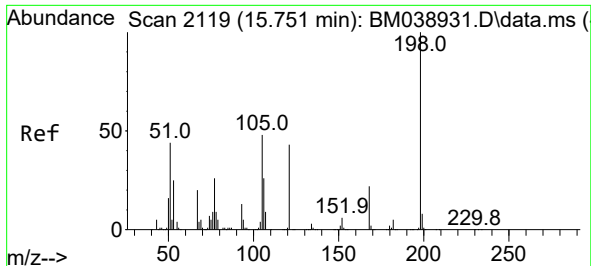
Tgt Ion: 77 Resp: 133567
Ion Ratio Lower Upper
77 100
182 75.6 2.0 42.0#
105 148.4 0.4 40.4#
51 35.6 8.0 48.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.345 min Scan# 2390
Delta R.T. -0.006 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

Tgt Ion:188 Resp: 1089530
Ion Ratio Lower Upper
188 100
94 10.3 7.9 11.9
80 11.0 8.5 12.7

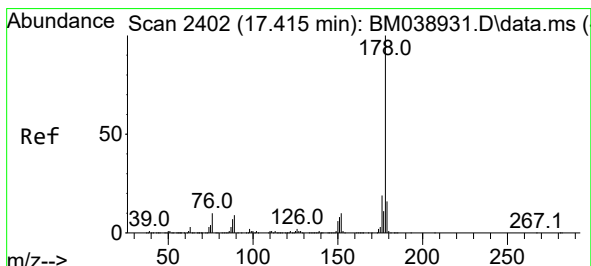
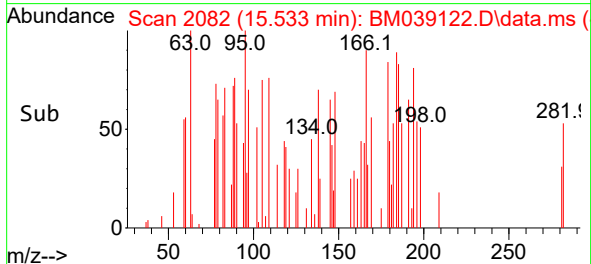
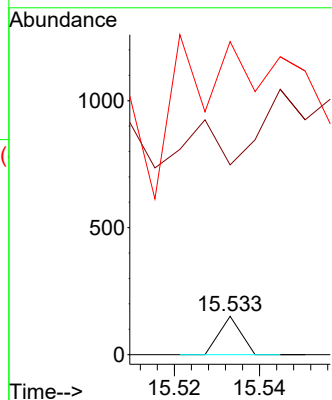
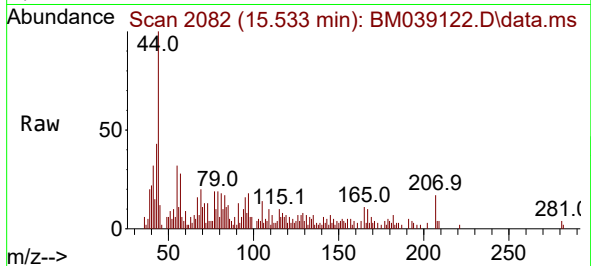




#65
4,6-Dinitro-2-methylphenol
Concen: 5.095 ng
RT: 15.533 min Scan# 2082
Delta R.T. -0.200 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

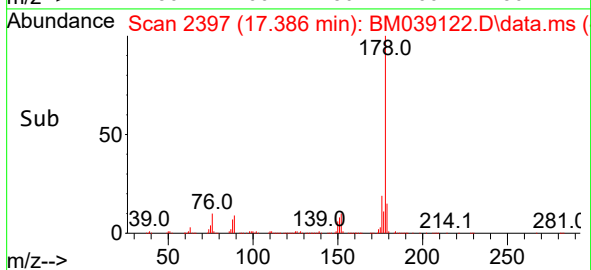
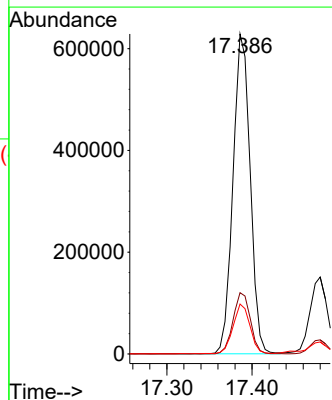
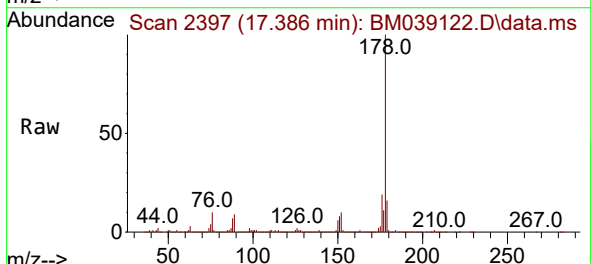
Instrument :
BNA_M
ClientSampleId :
WC2-20230322

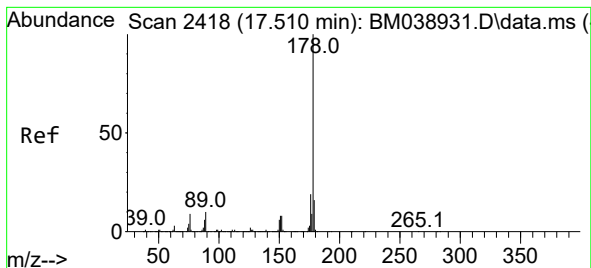
Tgt Ion:198 Resp: 53
Ion Ratio Lower Upper
198 100
51 494.7 30.1 70.1#
105 816.6 29.3 69.3#



#71
Phenanthrene
Concen: 13.809 ng
RT: 17.386 min Scan# 2397
Delta R.T. -0.006 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

Tgt Ion:178 Resp: 882990
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.6 12.5 18.7





#72

Anthracene

Concen: 3.291 ng

RT: 17.480 min Scan# 2418

Delta R.T. -0.006 min

Lab File: BM039122.D

Acq: 23 Mar 2023 18:48

Instrument :

BNA_M

ClientSampleId :

WC2-20230322

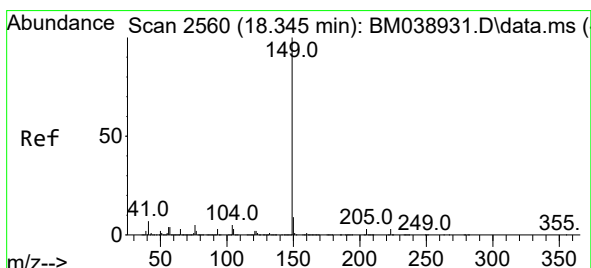
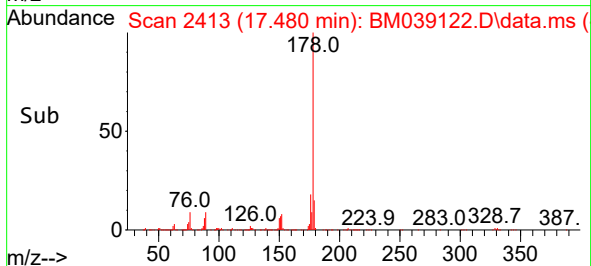
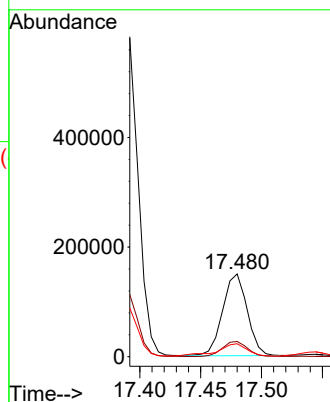
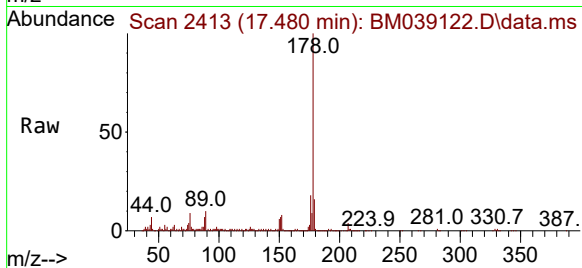
Tgt Ion:178 Resp: 209850

Ion Ratio Lower Upper

178 100

176 18.3 15.3 22.9

179 15.7 12.5 18.7



#74

Di-n-butylphthalate

Concen: 2.491 ng

RT: 18.315 min Scan# 2555

Delta R.T. -0.006 min

Lab File: BM039122.D

Acq: 23 Mar 2023 18:48

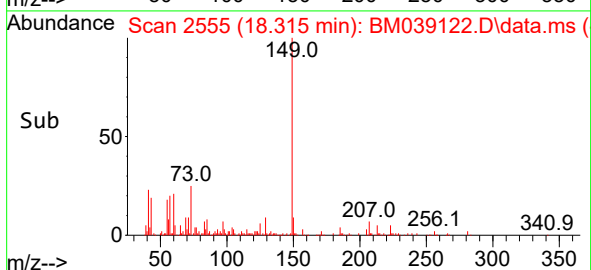
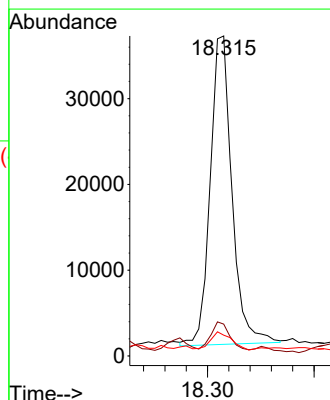
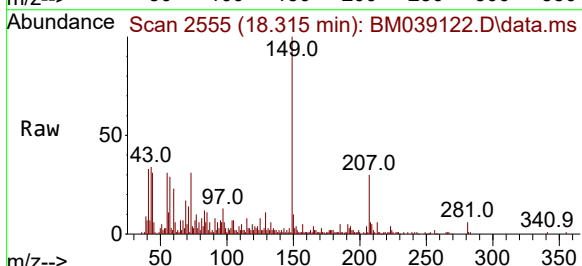
Tgt Ion:149 Resp: 51055

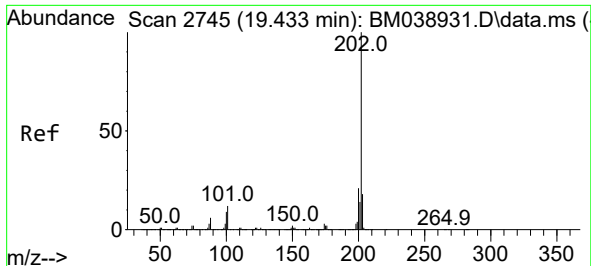
Ion Ratio Lower Upper

149 100

150 10.0 7.4 11.2

104 6.5 4.3 6.5#

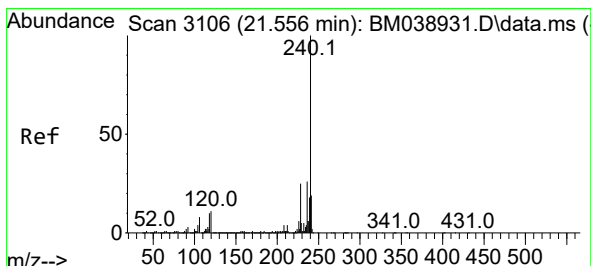
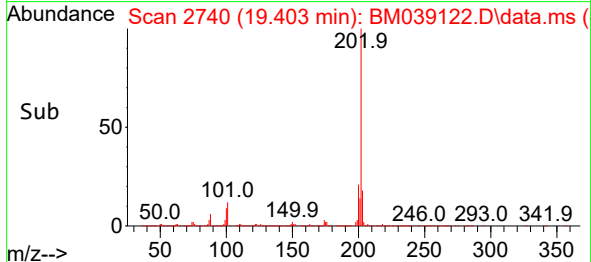
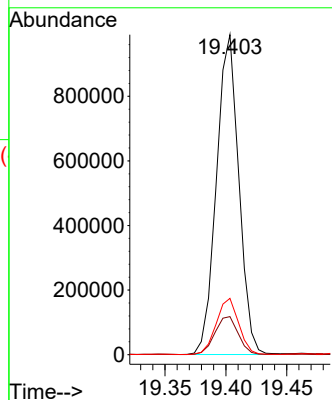
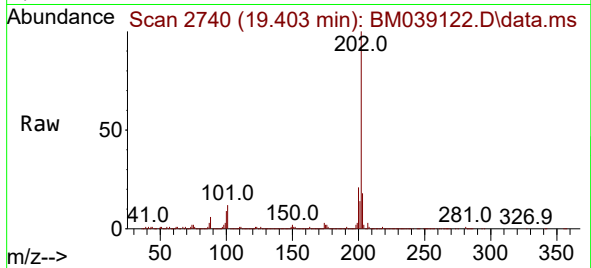




#75
Fluoranthene
Concen: 18.774 ng
RT: 19.403 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

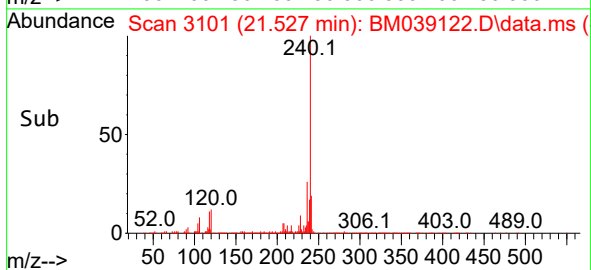
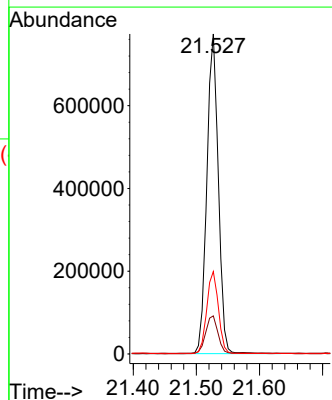
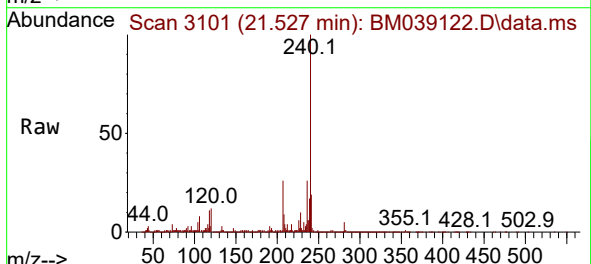
Instrument :
BNA_M
ClientSampleId :
WC2-20230322

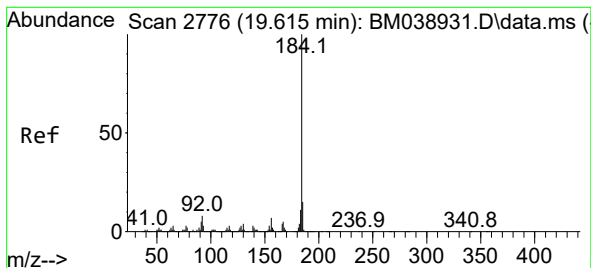
Tgt Ion:202 Resp: 1267569
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.7
203 17.6 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.527 min Scan# 3101
Delta R.T. -0.006 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

Tgt Ion:240 Resp: 971294
Ion Ratio Lower Upper
240 100
120 11.9 9.2 13.8
236 25.7 20.8 31.2





#77

Benzidine

Concen: 4.881 ng

RT: 19.609 min Scan# 21

Delta R.T. 0.018 min

Lab File: BM039122.D

Acq: 23 Mar 2023 18:48

Instrument :

BNA_M

ClientSampleId :

WC2-20230322

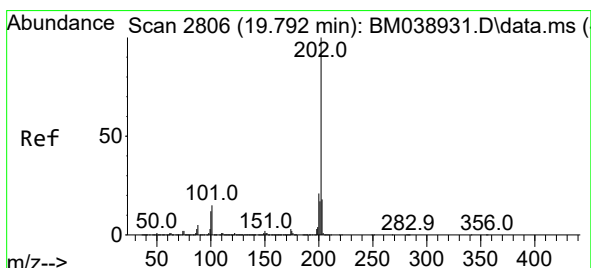
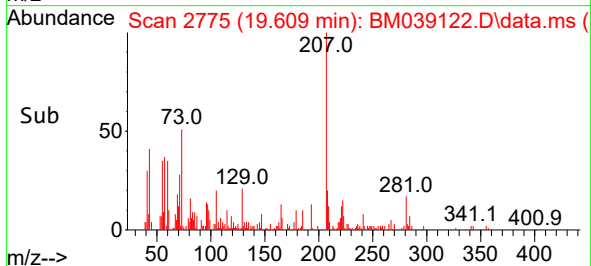
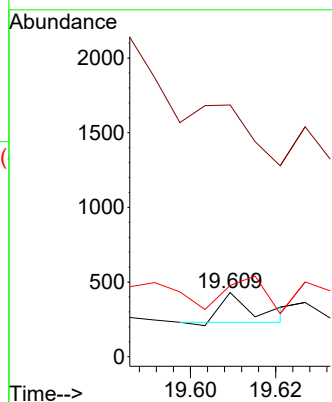
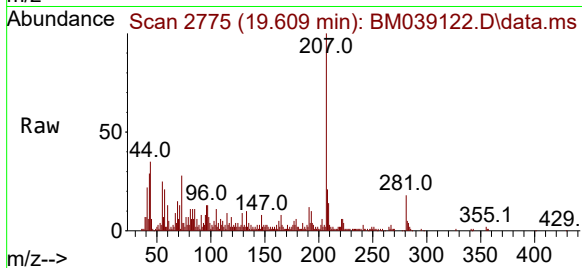
Tgt Ion:184 Resp: 110

Ion Ratio Lower Upper

184 100

185 392.1 12.2 18.4#

183 110.9 8.8 13.2#



#78

Pyrene

Concen: 16.059 ng

RT: 19.762 min Scan# 2801

Delta R.T. -0.006 min

Lab File: BM039122.D

Acq: 23 Mar 2023 18:48

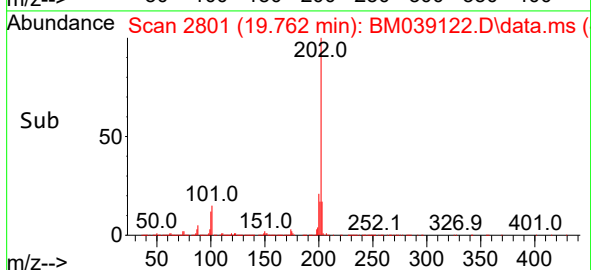
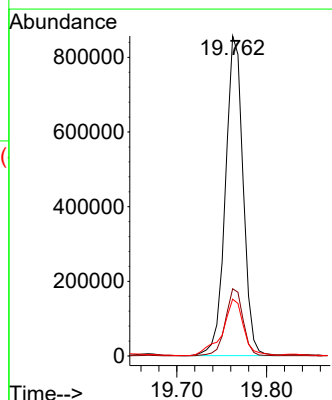
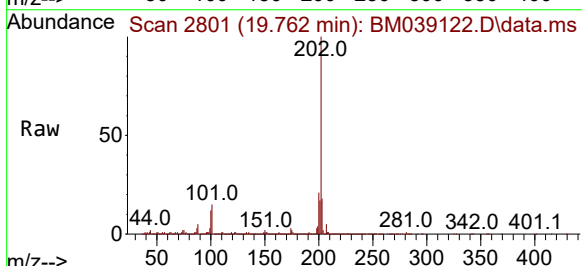
Tgt Ion:202 Resp: 1171573

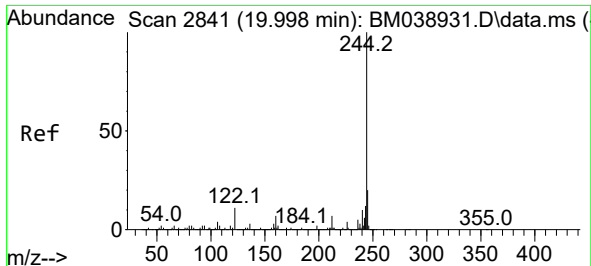
Ion Ratio Lower Upper

202 100

200 21.0 17.1 25.7

203 17.8 14.1 21.1

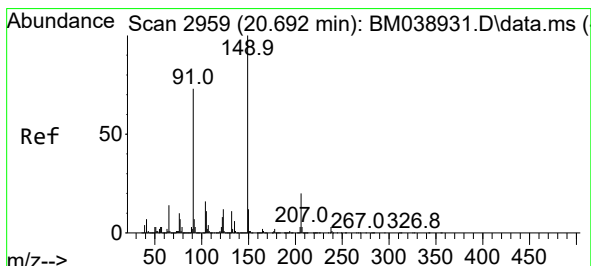
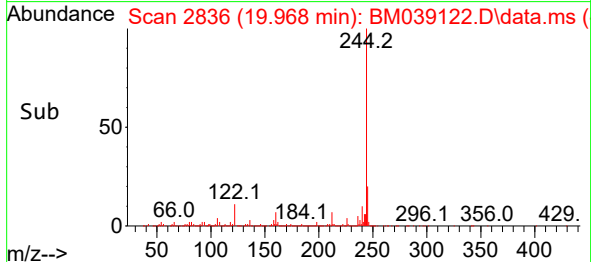
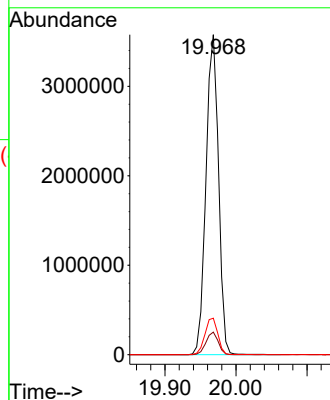
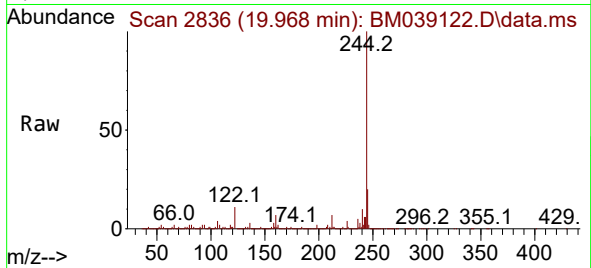




#79
 Terphenyl-d14
 Concen: 82.755 ng
 RT: 19.968 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM039122.D
 Acq: 23 Mar 2023 18:48

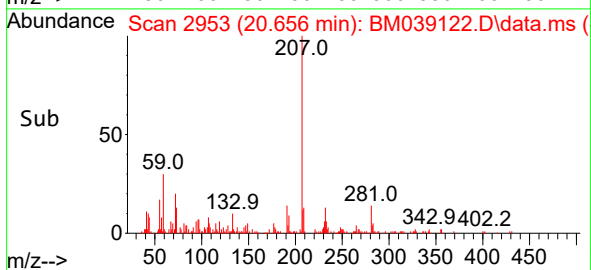
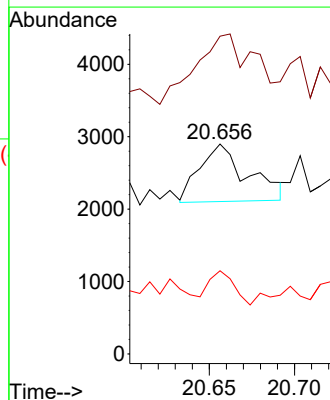
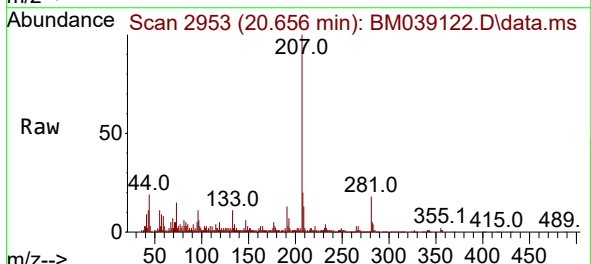
Instrument :
 BNA_M
 ClientSampleId :
 WC2-20230322

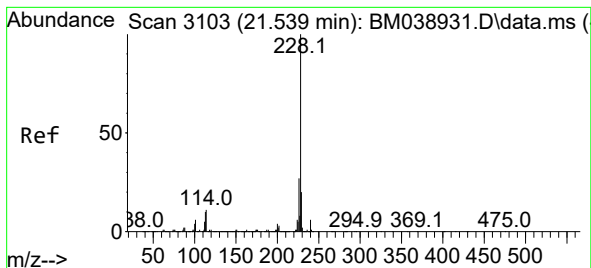
Tgt Ion:244 Resp: 4396305
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.5 8.3
 122 11.4 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 3.362 ng
 RT: 20.656 min Scan# 2953
 Delta R.T. -0.006 min
 Lab File: BM039122.D
 Acq: 23 Mar 2023 18:48

Tgt Ion:149 Resp: 1552
 Ion Ratio Lower Upper
 149 100
 91 151.4 58.4 87.6#
 206 39.6 16.1 24.1#





#81

Benzo(a)anthracene

Concen: 9.196 ng

RT: 21.509 min Scan# 3107

Delta R.T. -0.006 min

Lab File: BM039122.D

Acq: 23 Mar 2023 18:48

Instrument :

BNA_M

ClientSampleId :

WC2-20230322

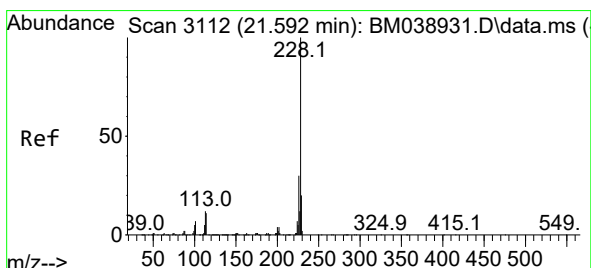
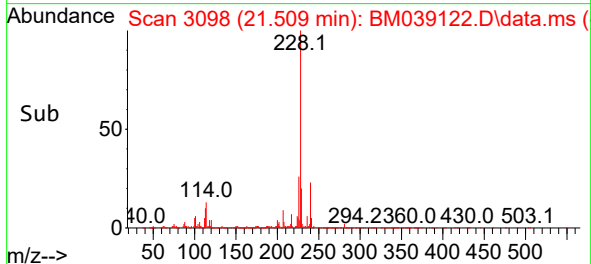
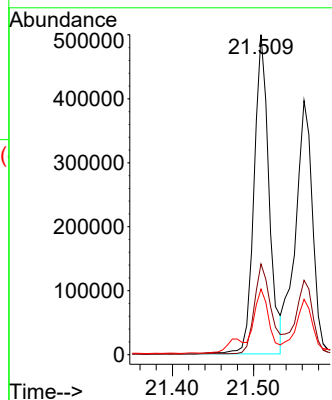
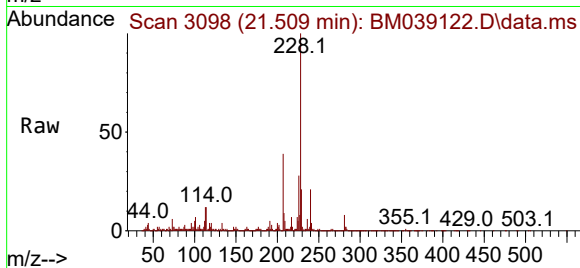
Tgt Ion:228 Resp: 643225

Ion Ratio Lower Upper

228 100

226 28.4 21.4 32.2

229 20.5 15.7 23.5



#83

Chrysene

Concen: 8.481 ng

RT: 21.562 min Scan# 3107

Delta R.T. -0.006 min

Lab File: BM039122.D

Acq: 23 Mar 2023 18:48

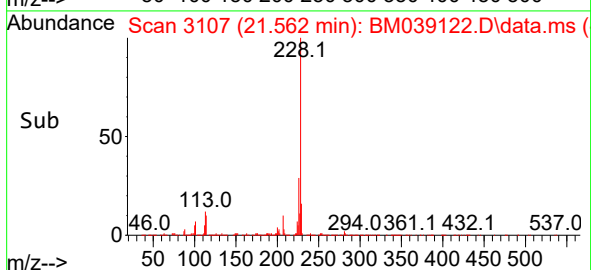
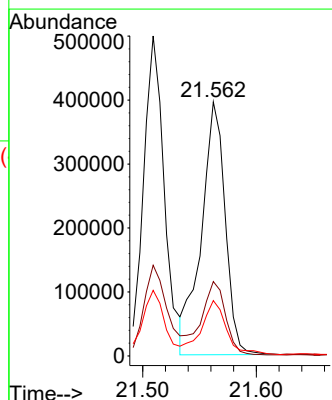
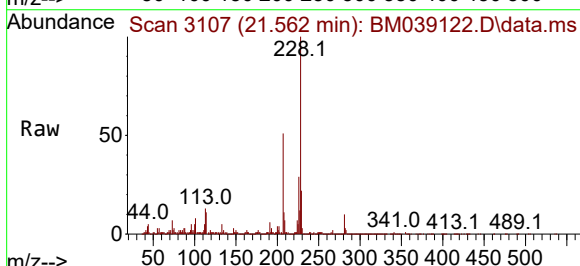
Tgt Ion:228 Resp: 576980

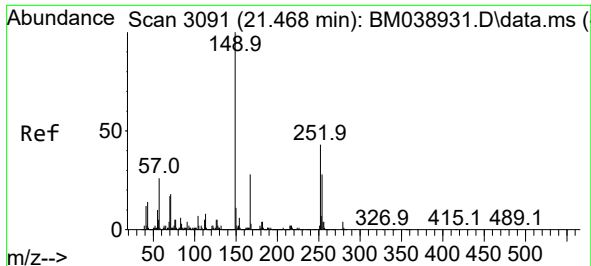
Ion Ratio Lower Upper

228 100

226 29.3 24.0 36.0

229 21.8 16.0 24.0

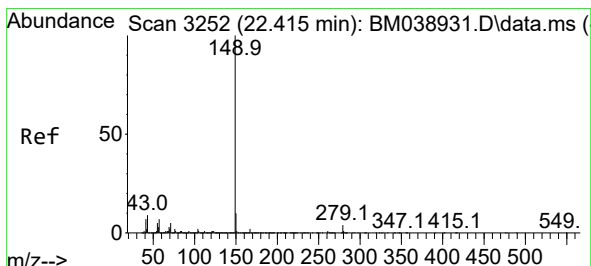
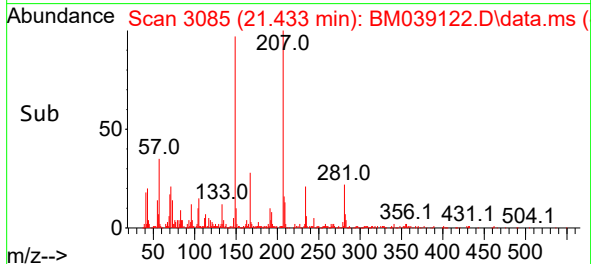
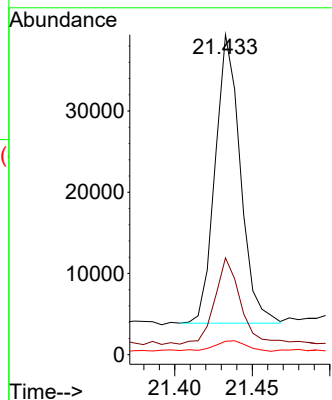
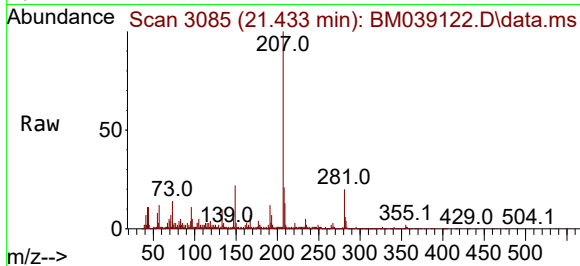




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.334 ng
RT: 21.433 min Scan# 3091
Delta R.T. -0.006 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

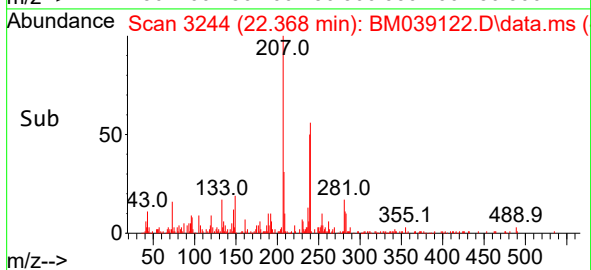
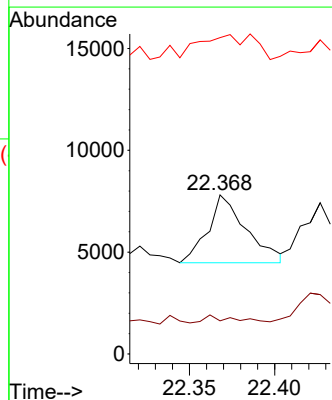
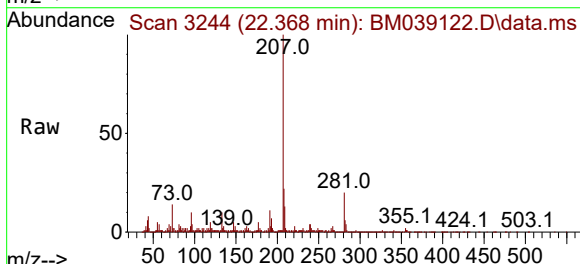
Instrument :
BNA_M
ClientSampleId :
WC2-20230322

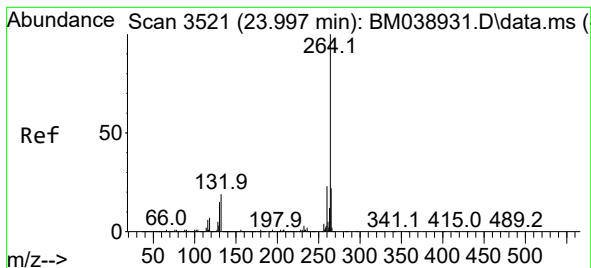
Tgt Ion:149 Resp: 40155
Ion Ratio Lower Upper
149 100
167 30.3 22.3 33.5
279 4.2 3.2 4.8



#85
Di-n-octyl phthalate
Concen: 3.861 ng
RT: 22.368 min Scan# 3244
Delta R.T. -0.006 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

Tgt Ion:149 Resp: 5202
Ion Ratio Lower Upper
149 100
167 13.0 1.2 1.8#
43 0.0 7.4 11.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.962 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM039122.D

Acq: 23 Mar 2023 18:48

Instrument :

BNA_M

ClientSampleId :

WC2-20230322

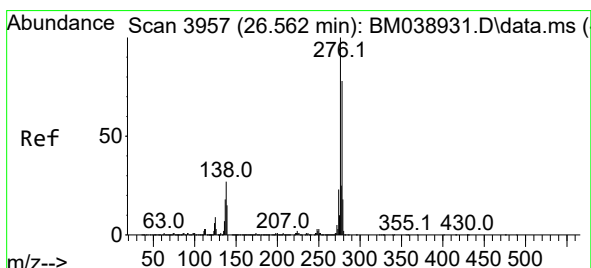
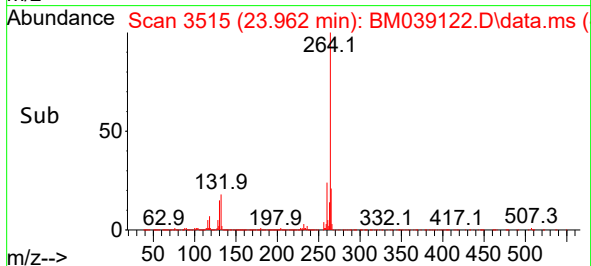
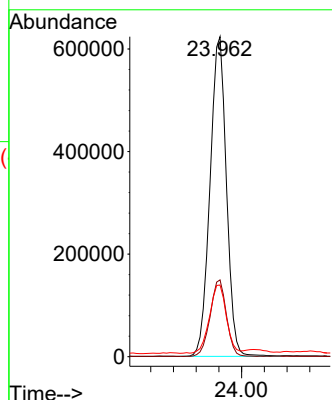
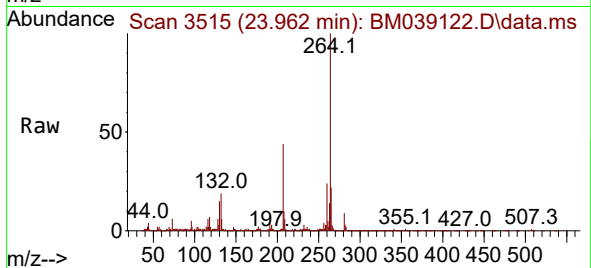
Tgt Ion:264 Resp: 1243398

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 22.4 17.9 26.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.074 ng

RT: 26.479 min Scan# 3943

Delta R.T. -0.018 min

Lab File: BM039122.D

Acq: 23 Mar 2023 18:48

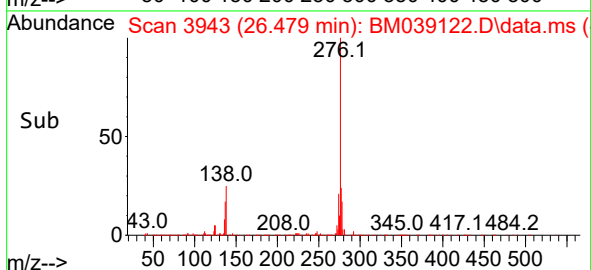
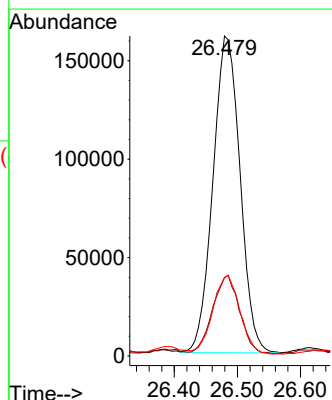
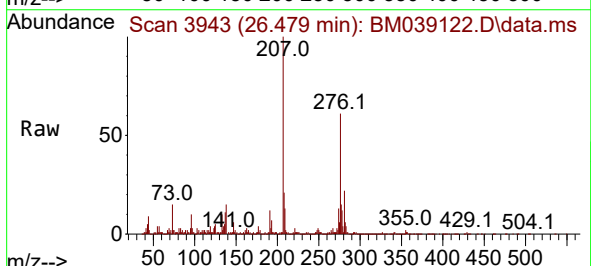
Tgt Ion:276 Resp: 480056

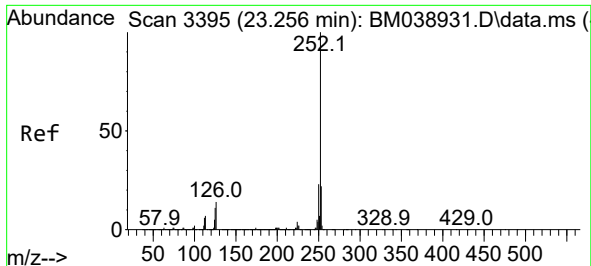
Ion Ratio Lower Upper

276 100

138 24.5 22.1 33.1

277 24.7 20.1 30.1

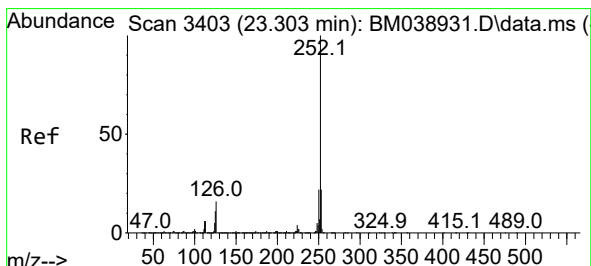
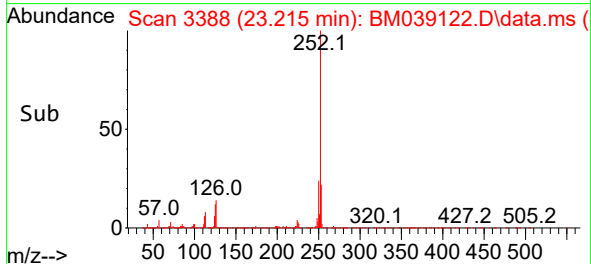
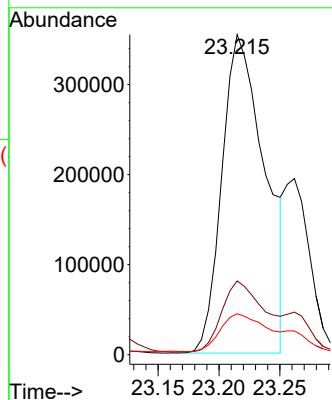
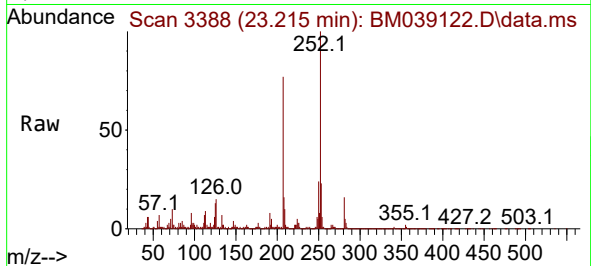




#88
Benzo(b)fluoranthene
Concen: 10.924 ng
RT: 23.215 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

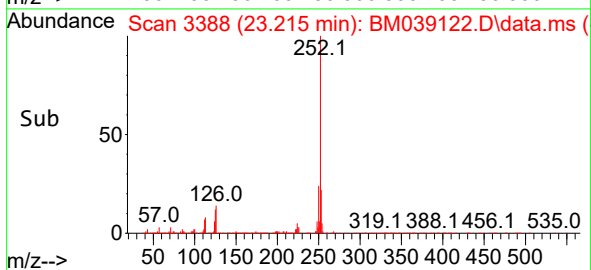
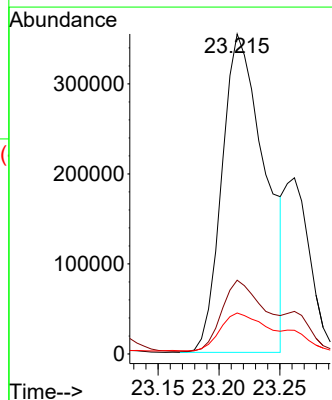
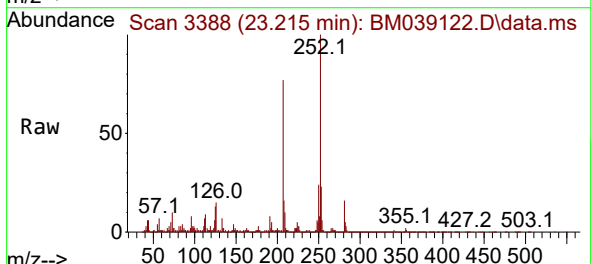
Instrument :
BNA_M
ClientSampleId :
WC2-20230322

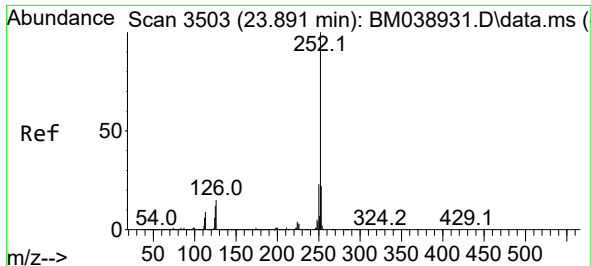
Tgt Ion:252 Resp: 867762
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 12.8 8.8 13.2



#89
Benzo(k)fluoranthene
Concen: 10.497 ng
RT: 23.215 min Scan# 3388
Delta R.T. -0.053 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

Tgt Ion:252 Resp: 867762
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 12.8 8.9 13.3

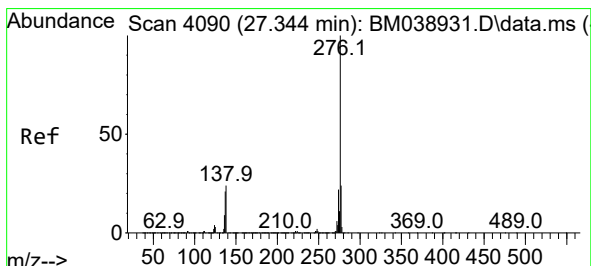
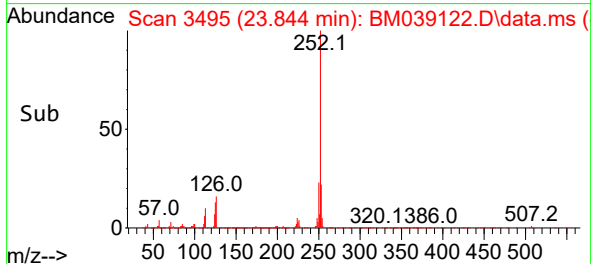
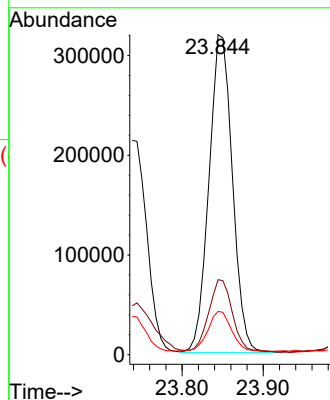
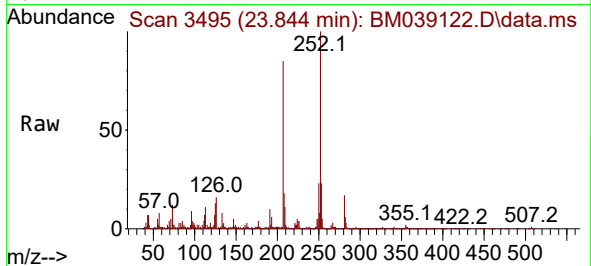




#90
Benzo(a)pyrene
Concen: 8.367 ng
RT: 23.844 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

Instrument :
BNA_M
ClientSampleId :
WC2-20230322

Tgt Ion:252 Resp: 639661
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 13.5 9.8 14.8



#92
Benzo(g,h,i)perylene
Concen: 5.963 ng
RT: 27.262 min Scan# 4076
Delta R.T. -0.012 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

Tgt Ion:276 Resp: 467470
Ion Ratio Lower Upper
276 100
277 24.4 19.3 28.9
138 24.4 19.0 28.6

