

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032223\
 Data File : BM039103.D
 Acq On : 22 Mar 2023 22:00
 Operator : CG/JU
 Sample : 01932-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CE-81-031423

Quant Time: Mar 23 04:27:02 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)

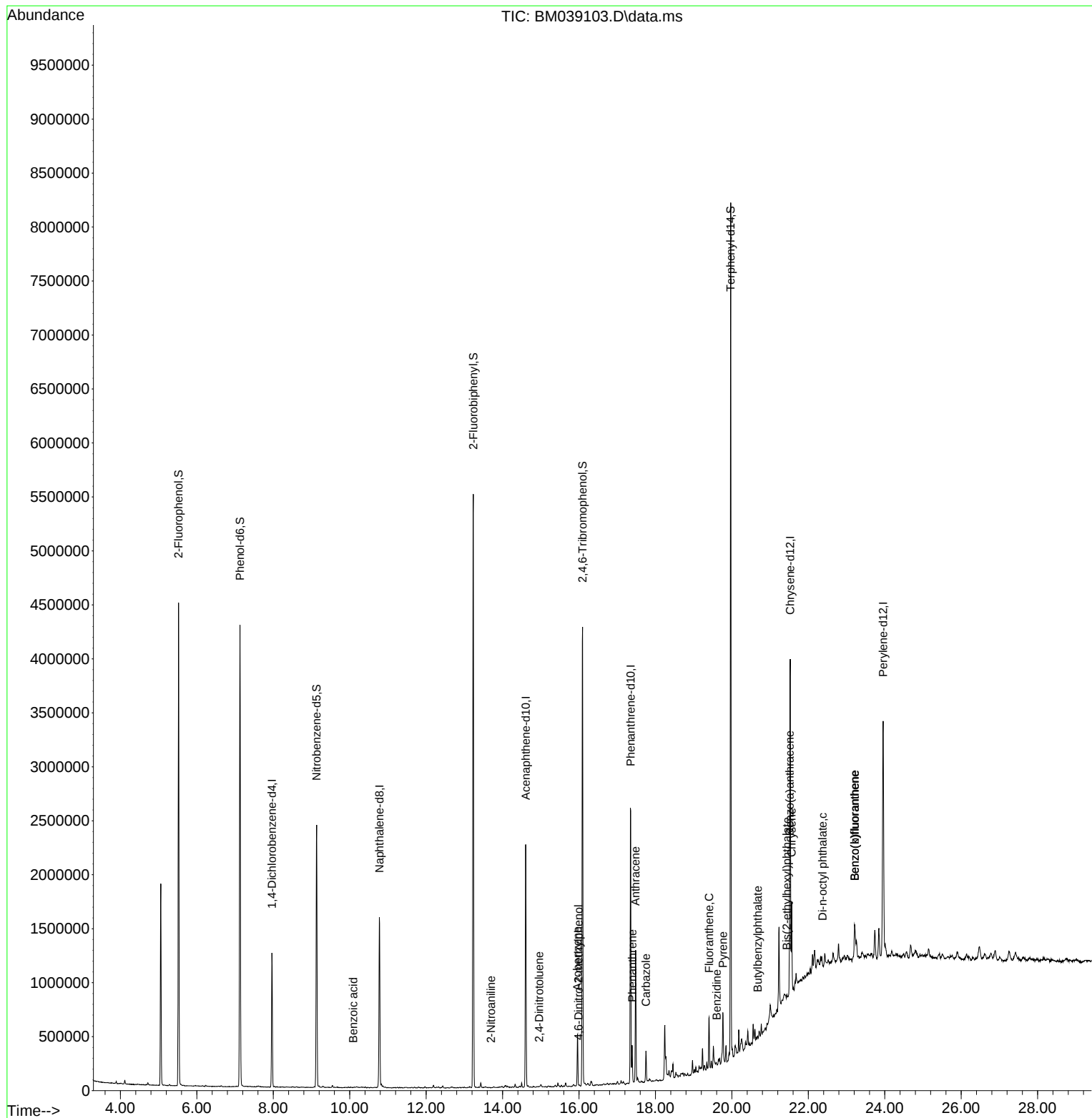
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	321290	20.000	ng	0.00
21) Naphthalene-d8	10.775	136	1294948	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	740998	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1490115	20.000	ng	0.00
76) Chrysene-d12	21.527	240	1377344	20.000	ng	0.00
86) Perylene-d12	23.956	264	1571734	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1877090	88.762	ng	0.00
7) Phenol-d6	7.128	99	2416373	87.969	ng	0.00
23) Nitrobenzene-d5	9.134	82	1398296	53.041	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	719701	83.958	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	2775095	48.753	ng	0.00
79) Terphenyl-d14	19.968	244	3581398	47.541	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.092	122	236	5.746	ng	# 46
48) 2-Nitroaniline	13.698	65	310	2.235	ng	# 38
57) 2,4-Dinitrotoluene	14.957	165	413	2.095	ng	# 39
63) Azobenzene	15.957	77	138359	2.357	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.986	198	55	5.093	ng	# 1
71) Phenanthrene	17.392	178	202445	2.315	ng	99
72) Anthracene	17.480	178	706391	8.099	ng	98
73) Carbazole	17.751	167	179048	2.249	ng	98
75) Fluoranthene	19.404	202	257799	2.792	ng	100
77) Benzidine	19.604	184	293	4.885	ng	# 1
78) Pyrene	19.762	202	272714	2.636	ng	99
80) Butylbenzylphthalate	20.674	149	159	3.319	ng	# 81
81) Benzo(a)anthracene	21.509	228	247619	2.496	ng	98
83) Chrysene	21.562	228	399488	4.141	ng	99
84) Bis(2-ethylhexyl)phtha...	21.433	149	11657	2.659	ng	# 95
85) Di-n-octyl phthalate	22.374	149	2112	3.815	ng	# 1
88) Benzo(b)fluoranthene	23.215	252	346323	3.449	ng	# 94
89) Benzo(k)fluoranthene	23.215	252	346323	3.314	ng	# 94

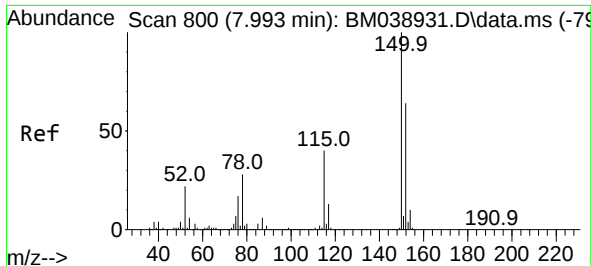
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032223\
Data File : BM039103.D
Acq On : 22 Mar 2023 22:00
Operator : CG/JU
Sample : 01932-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CE-81-031423

Quant Time: Mar 23 04:27:02 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

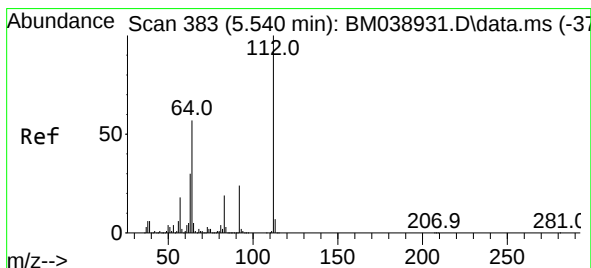
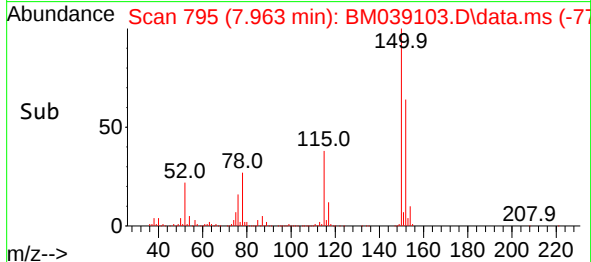
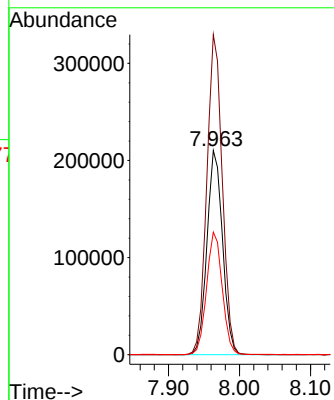
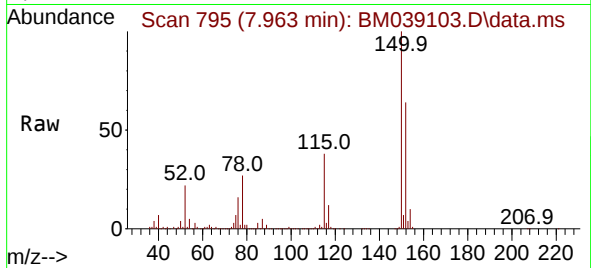




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.963 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM039103.D
Acq: 22 Mar 2023 22:00

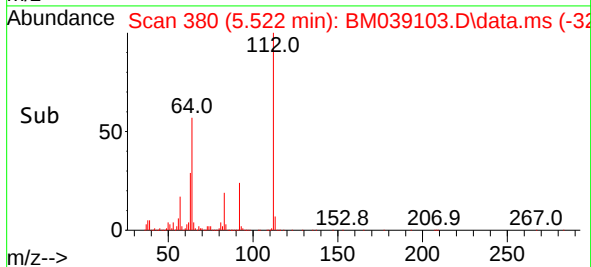
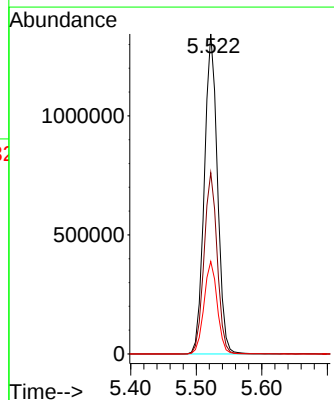
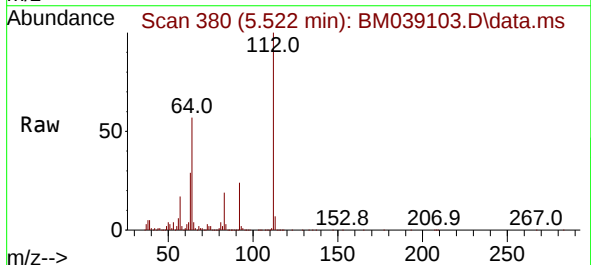
Instrument :
BNA_M
ClientSampleId :
CE-81-031423

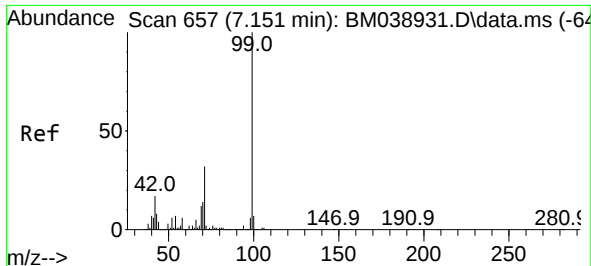
Tgt Ion:152 Resp: 321290
Ion Ratio Lower Upper
152 100
150 156.8 125.1 187.7
115 60.1 49.6 74.4



#5
2-Fluorophenol
Concen: 88.762 ng
RT: 5.522 min Scan# 380
Delta R.T. 0.000 min
Lab File: BM039103.D
Acq: 22 Mar 2023 22:00

Tgt Ion:112 Resp: 1877090
Ion Ratio Lower Upper
112 100
64 56.7 45.9 68.9
63 28.9 23.8 35.8

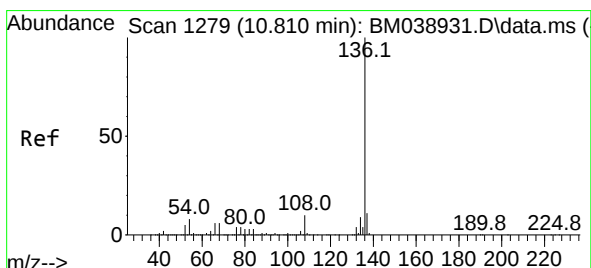
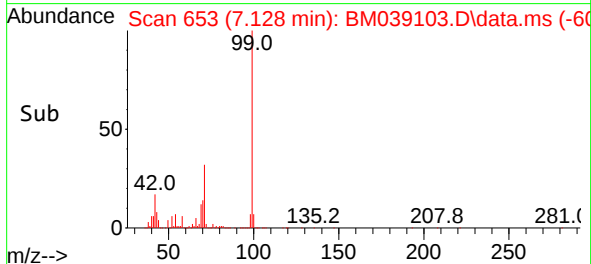
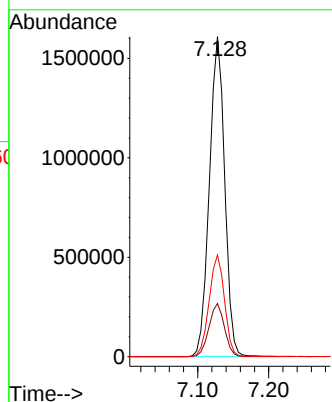
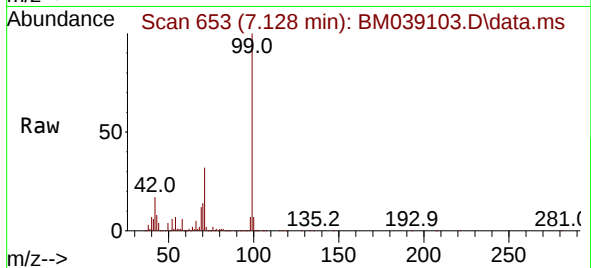




#7
Phenol-d6
Concen: 87.969 ng
RT: 7.128 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039103.D
Acq: 22 Mar 2023 22:00

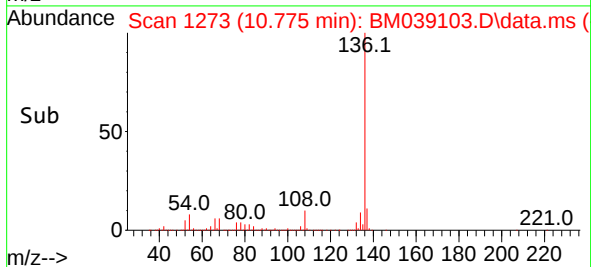
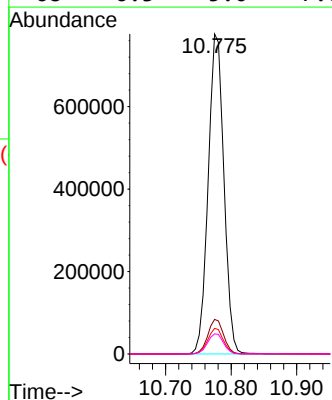
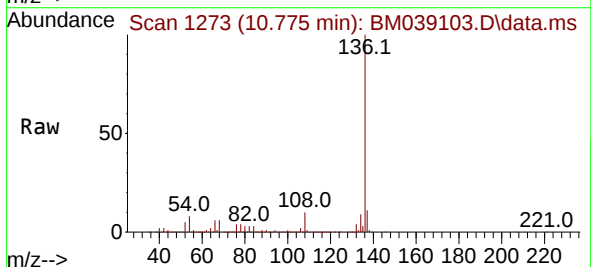
Instrument :
BNA_M
ClientSampleId :
CE-81-031423

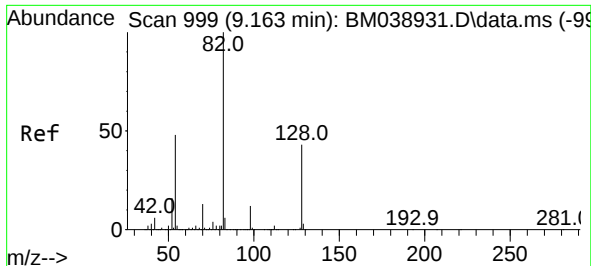
Tgt Ion: 99 Resp: 2416373
Ion Ratio Lower Upper
99 100
42 16.6 13.5 20.3
71 31.8 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.775 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BM039103.D
Acq: 22 Mar 2023 22:00

Tgt Ion: 136 Resp: 1294948
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 8.0 6.3 9.5
68 6.3 5.0 7.6

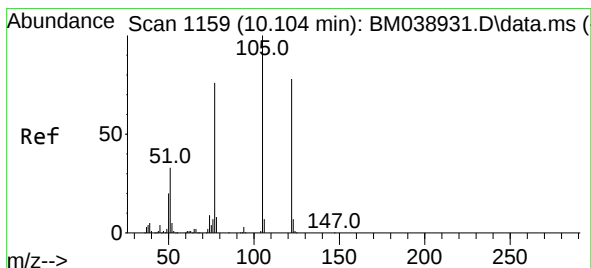
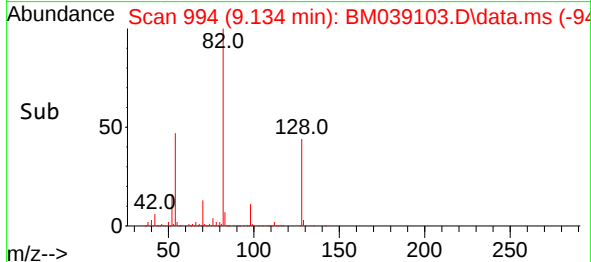
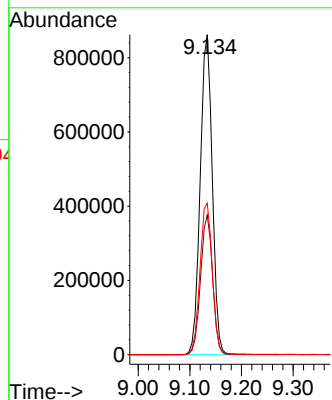
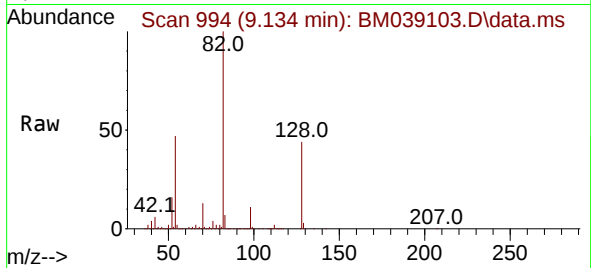




#23
Nitrobenzene-d5
Concen: 53.041 ng
RT: 9.134 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM039103.D
Acq: 22 Mar 2023 22:00

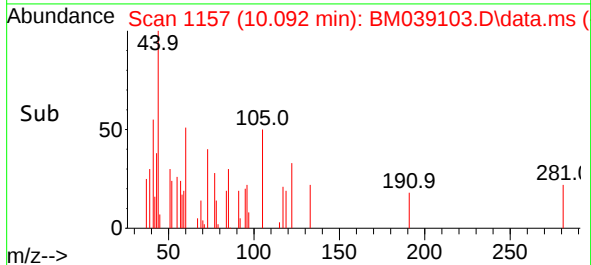
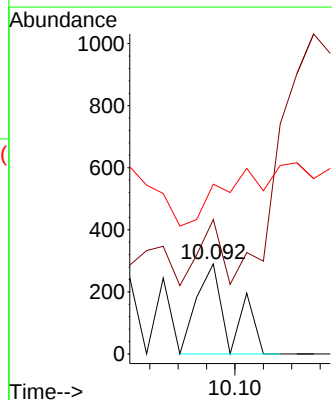
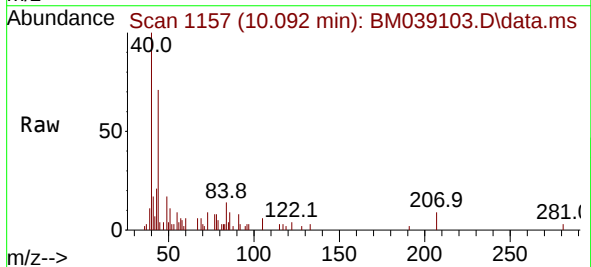
Instrument :
BNA_M
ClientSampleId :
CE-81-031423

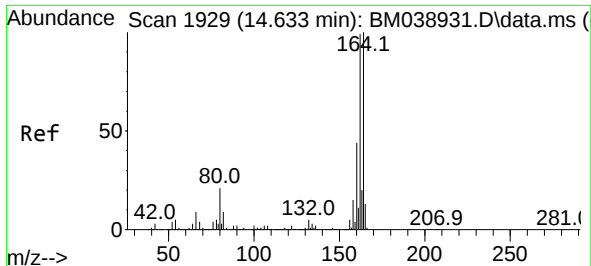
Tgt Ion: 82 Resp: 1398296
Ion Ratio Lower Upper
82 100
128 43.7 34.4 51.6
54 47.4 38.8 58.2



#32
Benzoic acid
Concen: 5.746 ng
RT: 10.092 min Scan# 1157
Delta R.T. 0.006 min
Lab File: BM039103.D
Acq: 22 Mar 2023 22:00

Tgt Ion: 122 Resp: 236
Ion Ratio Lower Upper
122 100
105 149.3 104.2 144.2#
77 188.6 75.1 115.1#

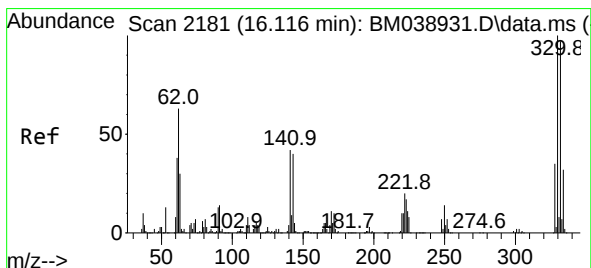
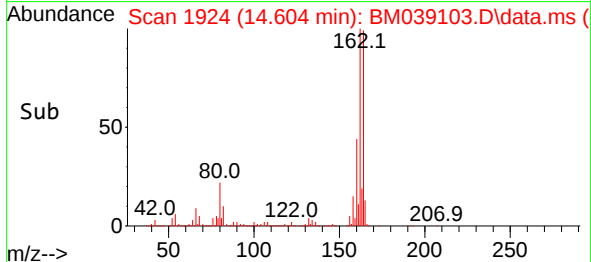
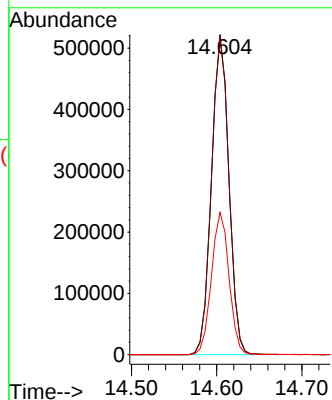
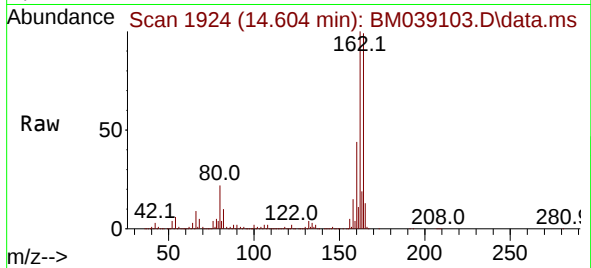




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.604 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BM039103.D
Acq: 22 Mar 2023 22:00

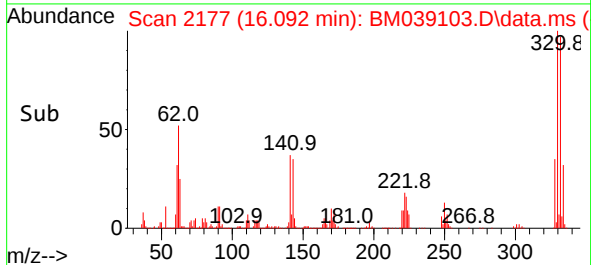
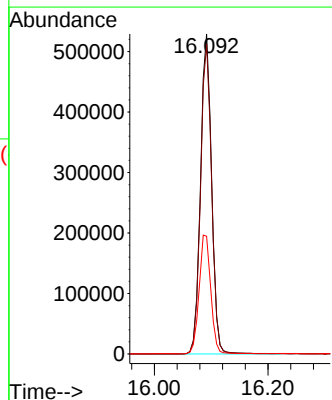
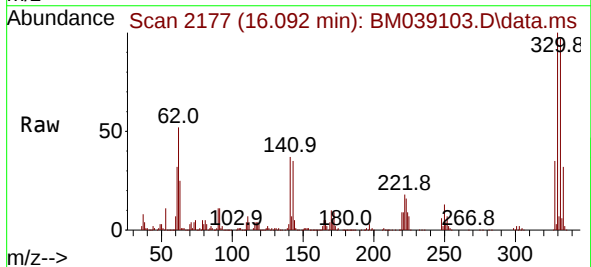
Instrument :
BNA_M
ClientSampleId :
CE-81-031423

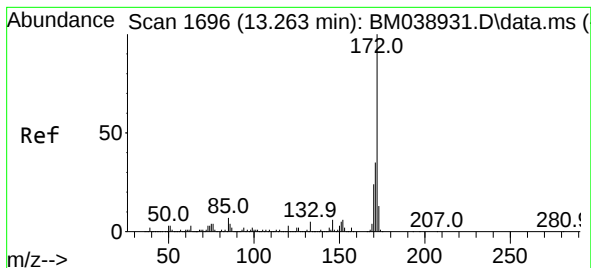
Tgt Ion:164 Resp: 740998
Ion Ratio Lower Upper
164 100
162 101.1 79.2 118.8
160 44.9 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 83.958 ng
RT: 16.092 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BM039103.D
Acq: 22 Mar 2023 22:00

Tgt Ion:330 Resp: 719701
Ion Ratio Lower Upper
330 100
332 96.4 77.4 116.0
141 38.9 32.2 48.4





#45

2-Fluorobiphenyl

Concen: 48.753 ng

RT: 13.233 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM039103.D

Acq: 22 Mar 2023 22:00

Instrument :

BNA_M

ClientSampleId :

CE-81-031423

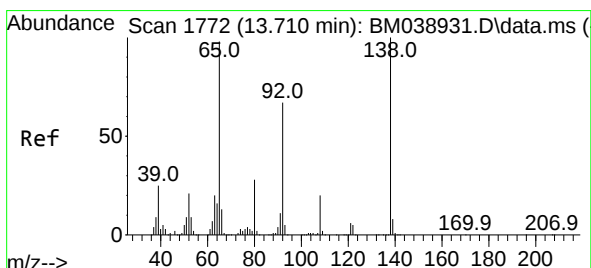
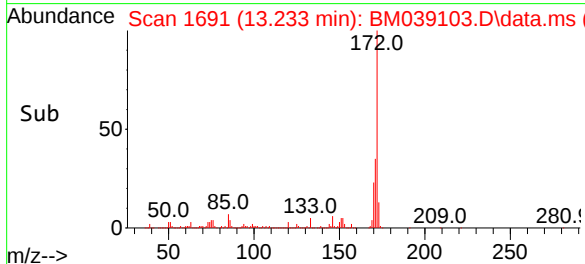
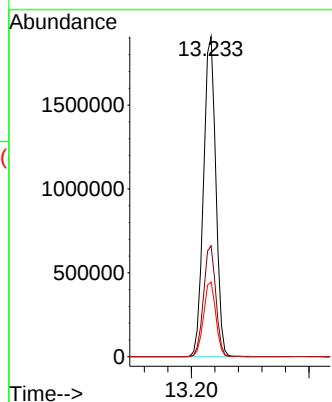
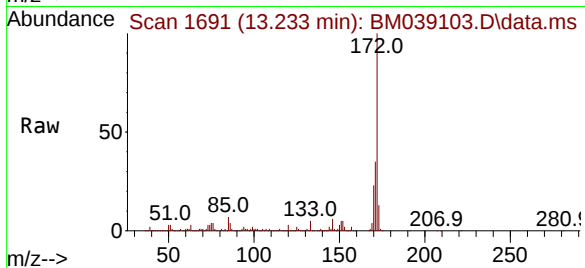
Tgt Ion:172 Resp: 2775095

Ion Ratio Lower Upper

172 100

171 34.7 28.2 42.2

170 23.3 19.1 28.7



#48

2-Nitroaniline

Concen: 2.235 ng

RT: 13.698 min Scan# 1770

Delta R.T. 0.006 min

Lab File: BM039103.D

Acq: 22 Mar 2023 22:00

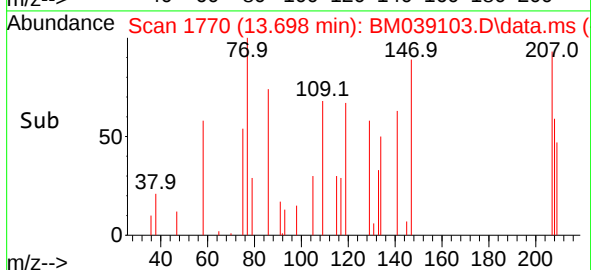
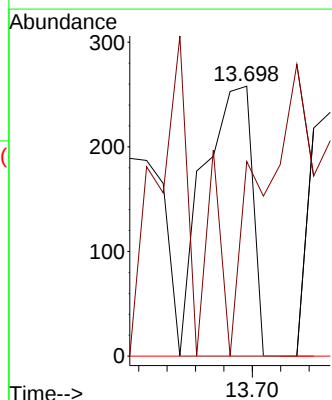
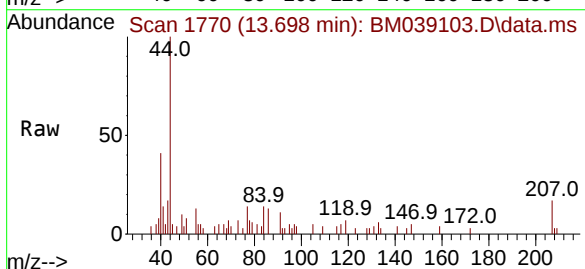
Tgt Ion: 65 Resp: 310

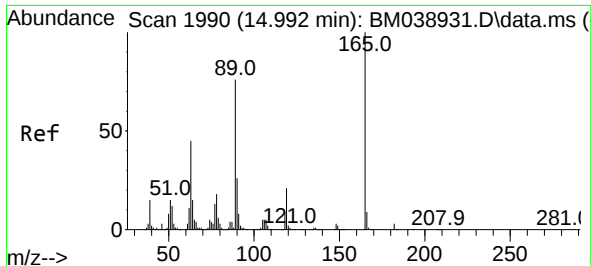
Ion Ratio Lower Upper

65 100

92 72.1 54.9 82.3

138 0.0 81.6 122.4#

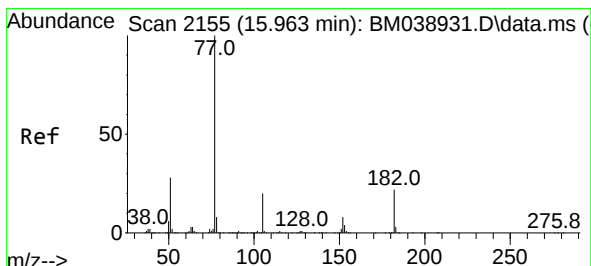
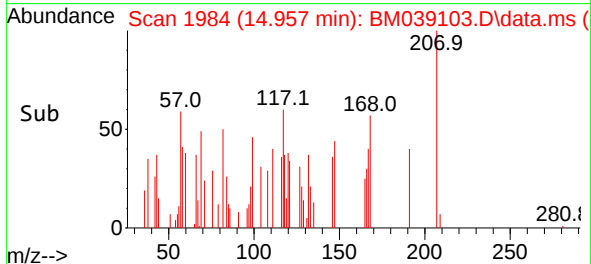
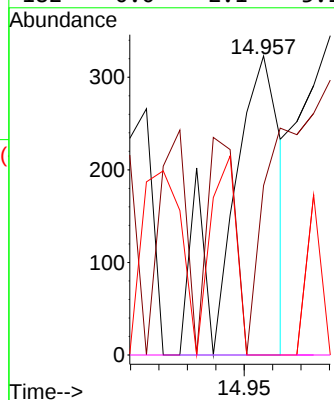
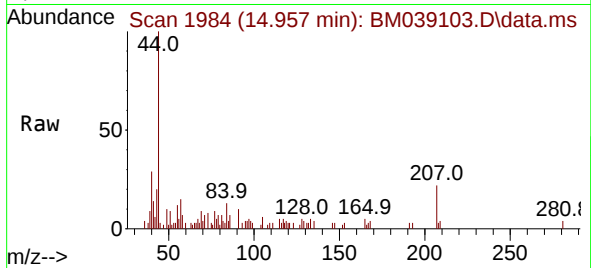




#57
2,4-Dinitrotoluene
Concen: 2.095 ng
RT: 14.957 min Scan# 1984
Delta R.T. -0.012 min
Lab File: BM039103.D
Acq: 22 Mar 2023 22:00

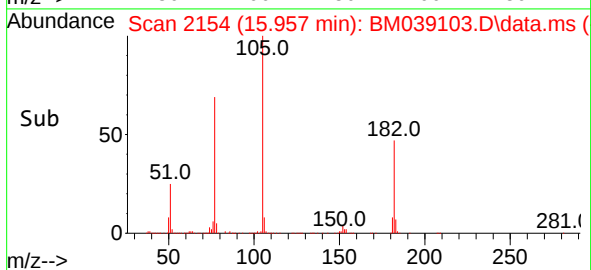
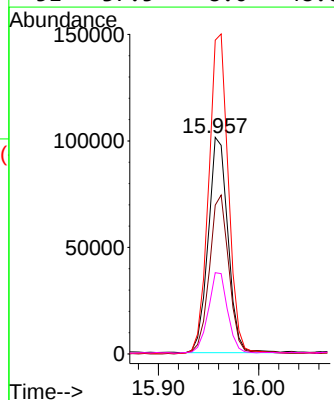
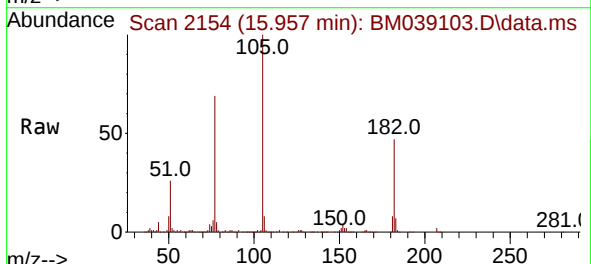
Instrument :
BNA_M
ClientSampleId :
CE-81-031423

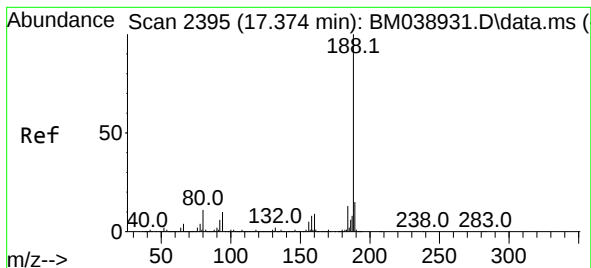
Tgt Ion:165 Resp: 413
Ion Ratio Lower Upper
165 100
63 56.7 35.9 53.9#
89 0.0 61.0 91.6#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 2.357 ng
RT: 15.957 min Scan# 2154
Delta R.T. 0.018 min
Lab File: BM039103.D
Acq: 22 Mar 2023 22:00

Tgt Ion: 77 Resp: 138359
Ion Ratio Lower Upper
77 100
182 68.7 2.0 42.0#
105 144.8 0.4 40.4#
51 37.5 8.0 48.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.351 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039103.D

Acq: 22 Mar 2023 22:00

Instrument :

BNA_M

ClientSampleId :

CE-81-031423

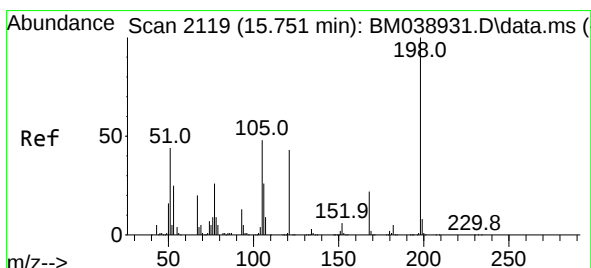
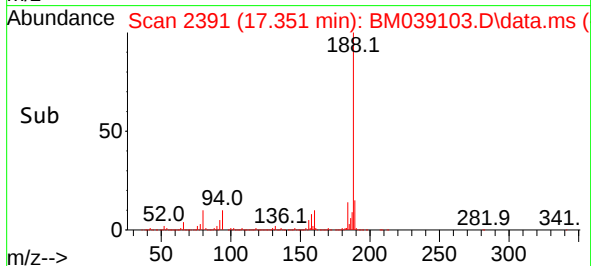
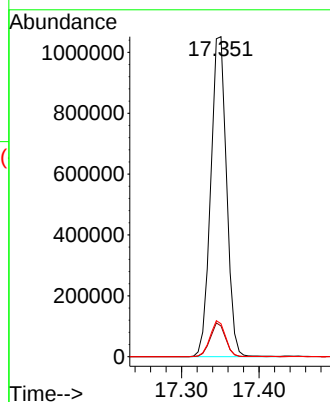
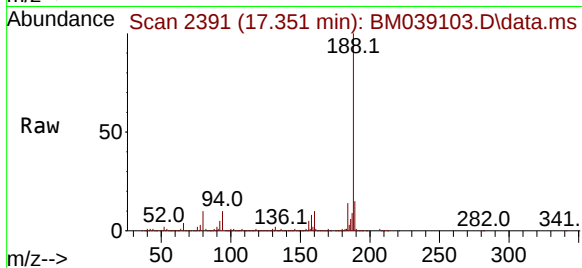
Tgt Ion:188 Resp: 1490115

Ion Ratio Lower Upper

188 100

94 9.6 7.9 11.9

80 10.3 8.5 12.7



#65

4,6-Dinitro-2-methylphenol

Concen: 5.093 ng

RT: 15.986 min Scan# 2159

Delta R.T. 0.253 min

Lab File: BM039103.D

Acq: 22 Mar 2023 22:00

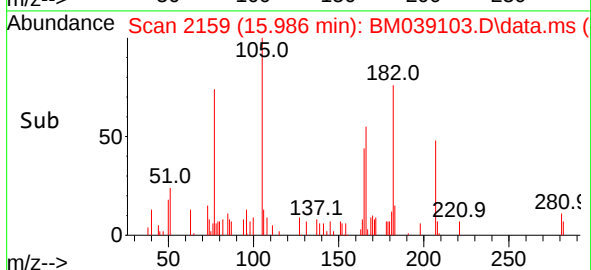
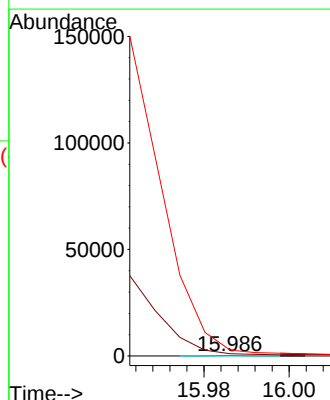
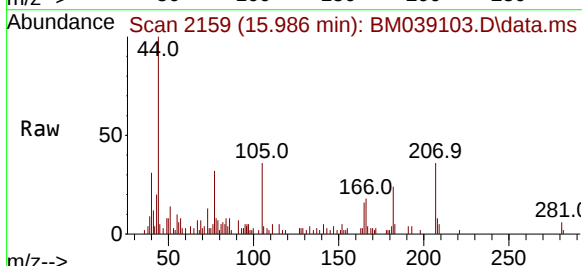
Tgt Ion:198 Resp: 55

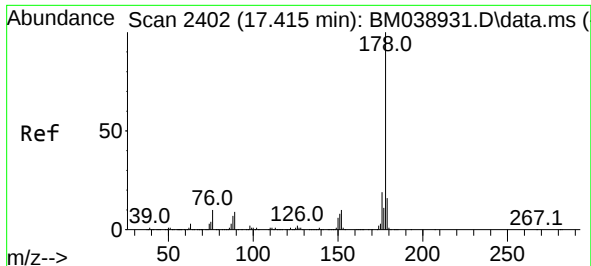
Ion Ratio Lower Upper

198 100

51 702.6 30.1 70.1#

105 1780.0 29.3 69.3#

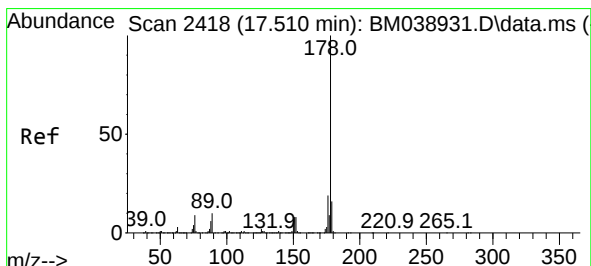
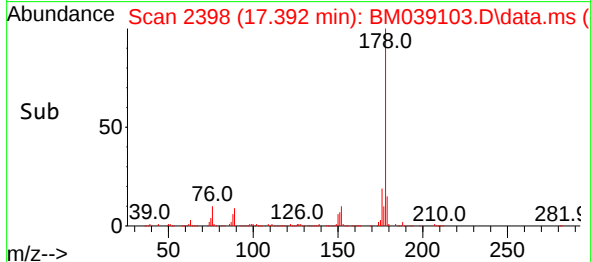
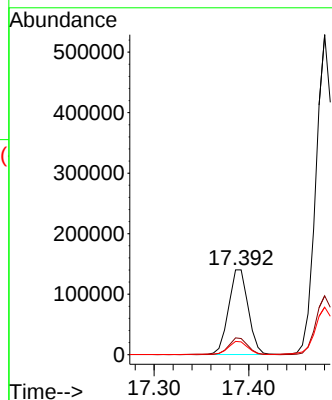
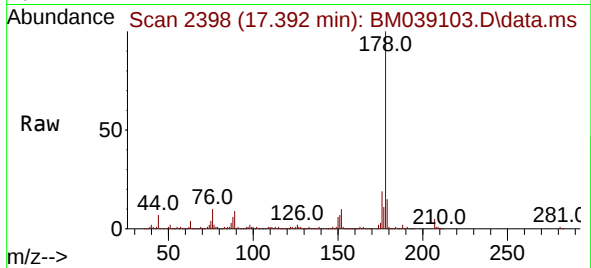




#71
Phenanthrene
Concen: 2.315 ng
RT: 17.392 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM039103.D
Acq: 22 Mar 2023 22:00

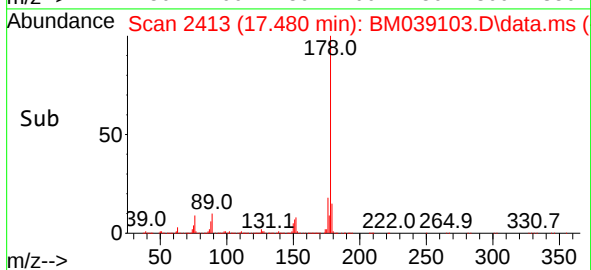
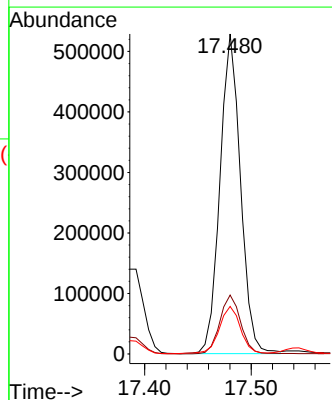
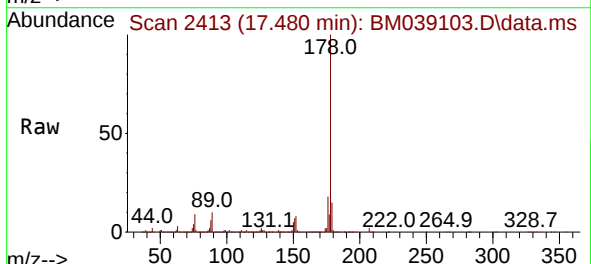
Instrument :
BNA_M
ClientSampleId :
CE-81-031423

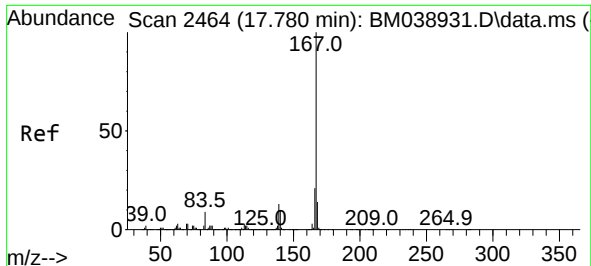
Tgt Ion:178 Resp: 202445
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.2 12.5 18.7



#72
Anthracene
Concen: 8.099 ng
RT: 17.480 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BM039103.D
Acq: 22 Mar 2023 22:00

Tgt Ion:178 Resp: 706391
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 14.9 12.5 18.7

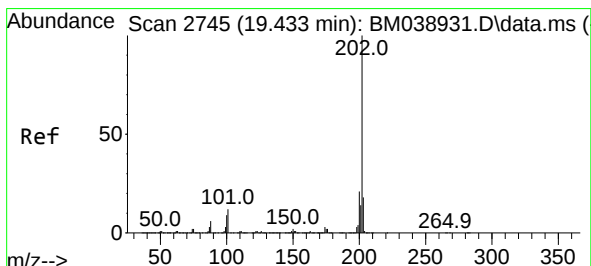
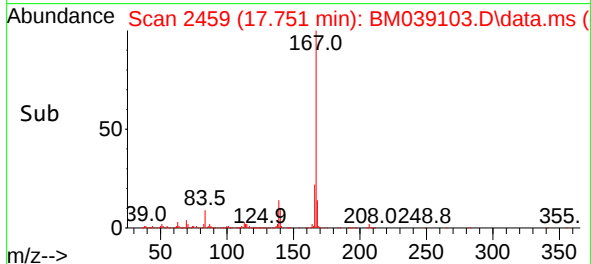
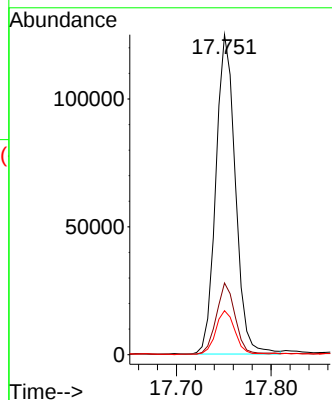
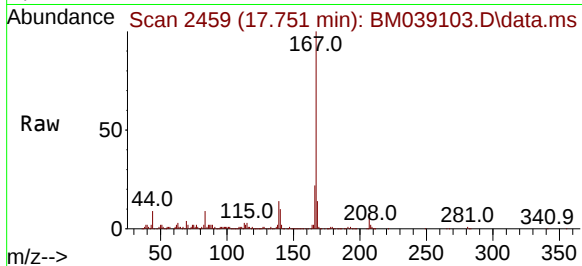




#73
 Carbazole
 Concen: 2.249 ng
 RT: 17.751 min Scan# 24
 Delta R.T. -0.006 min
 Lab File: BM039103.D
 Acq: 22 Mar 2023 22:00

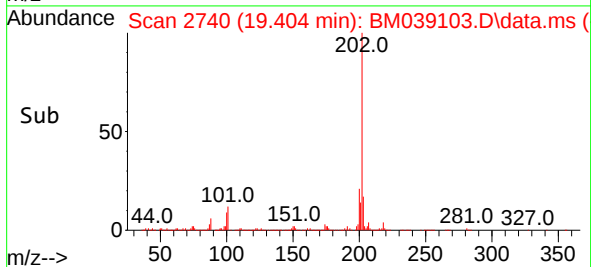
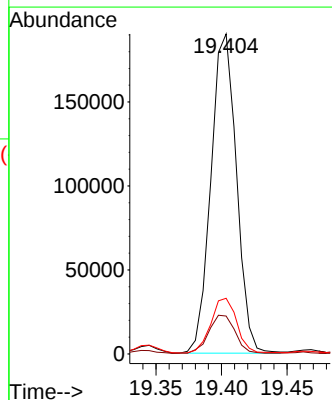
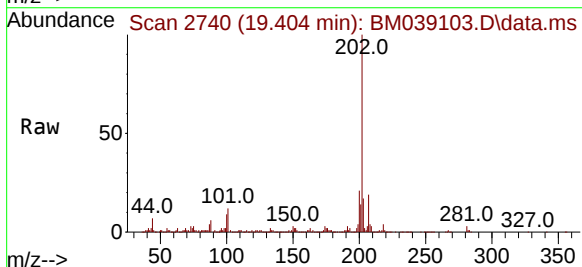
Instrument :
 BNA_M
 ClientSampleId :
 CE-81-031423

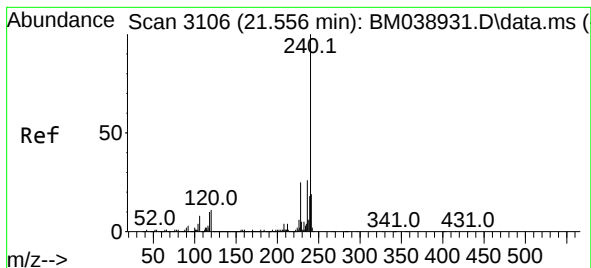
Tgt Ion:167 Resp: 179048
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.0 25.4
 139 13.8 10.3 15.5



#75
 Fluoranthene
 Concen: 2.792 ng
 RT: 19.404 min Scan# 2740
 Delta R.T. -0.006 min
 Lab File: BM039103.D
 Acq: 22 Mar 2023 22:00

Tgt Ion:202 Resp: 257799
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 31.7
 203 17.4 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 3106

Delta R.T. -0.006 min

Lab File: BM039103.D

Acq: 22 Mar 2023 22:00

Instrument :

BNA_M

ClientSampleId :

CE-81-031423

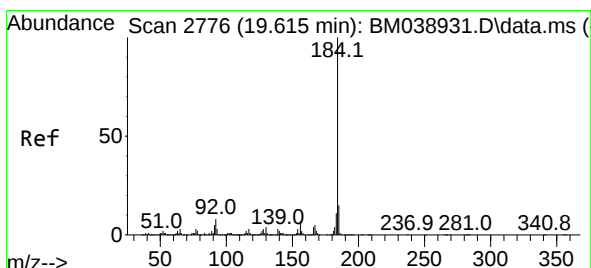
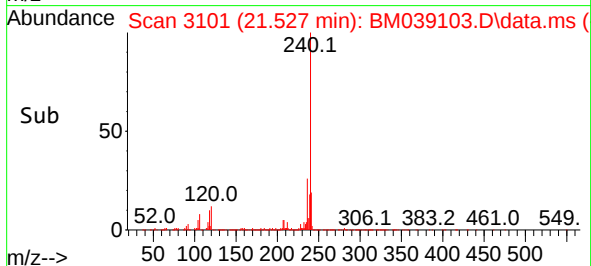
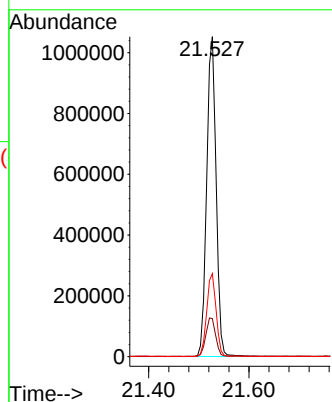
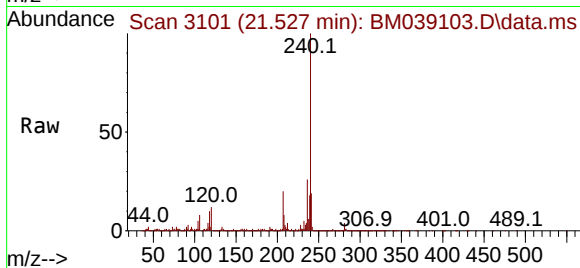
Tgt Ion:240 Resp: 1377344

Ion Ratio Lower Upper

240 100

120 11.9 9.2 13.8

236 26.0 20.8 31.2



#77

Benzidine

Concen: 4.885 ng

RT: 19.604 min Scan# 2774

Delta R.T. 0.012 min

Lab File: BM039103.D

Acq: 22 Mar 2023 22:00

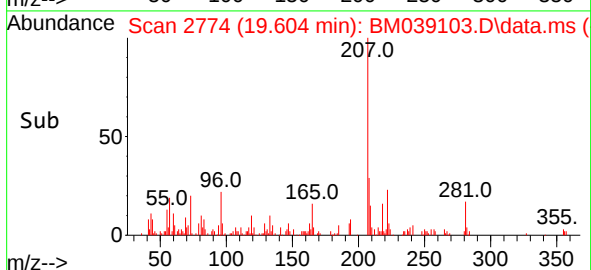
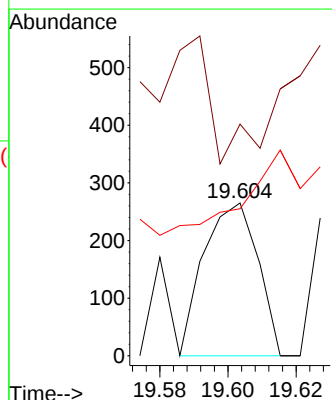
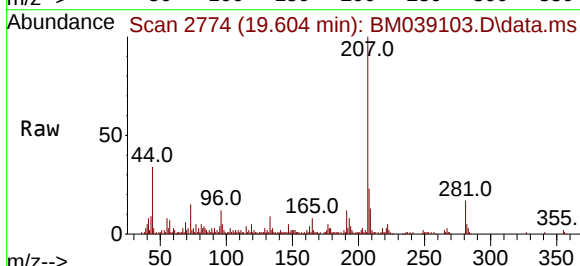
Tgt Ion:184 Resp: 293

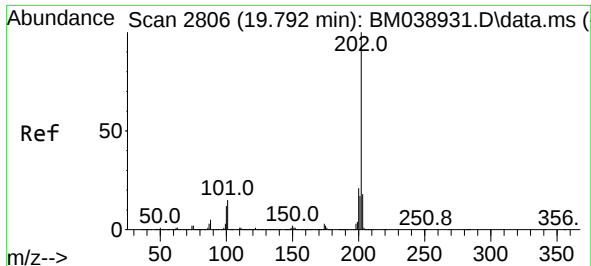
Ion Ratio Lower Upper

184 100

185 151.7 12.2 18.4#

183 96.2 8.8 13.2#

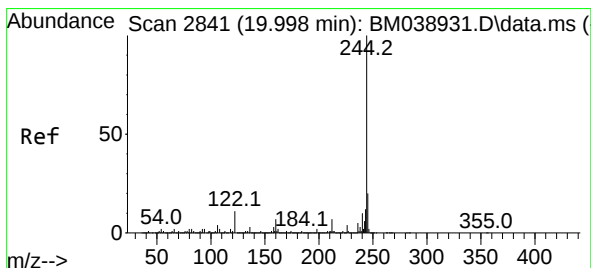
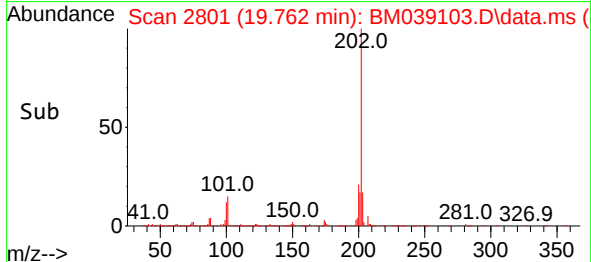
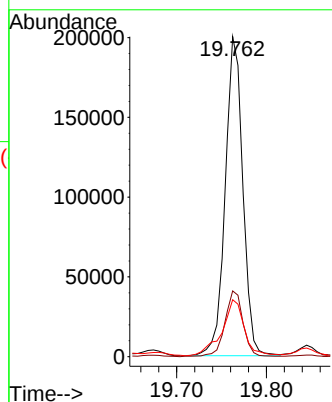
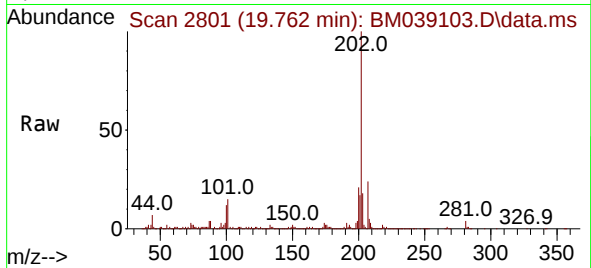




#78
 Pyrene
 Concen: 2.636 ng
 RT: 19.762 min Scan# 2801
 Delta R.T. -0.006 min
 Lab File: BM039103.D
 Acq: 22 Mar 2023 22:00

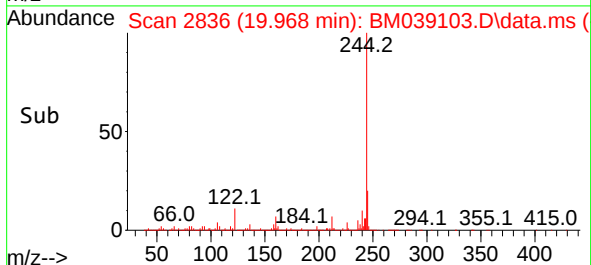
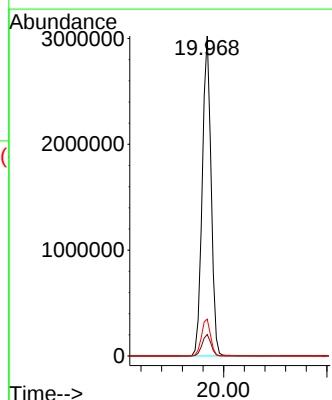
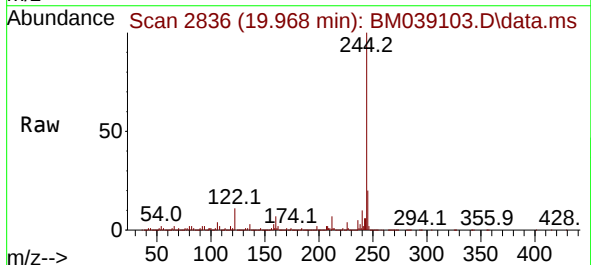
Instrument :
 BNA_M
 ClientSampleId :
 CE-81-031423

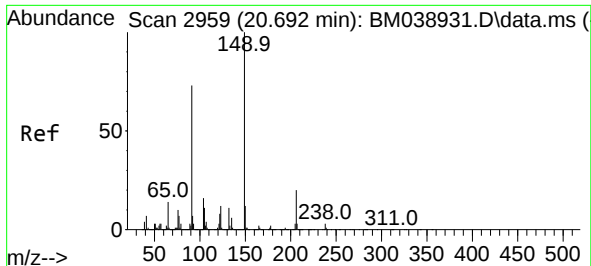
Tgt Ion:202 Resp: 272714
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.1 25.7
 203 17.8 14.1 21.1



#79
 Terphenyl-d14
 Concen: 47.541 ng
 RT: 19.968 min Scan# 2836
 Delta R.T. 0.000 min
 Lab File: BM039103.D
 Acq: 22 Mar 2023 22:00

Tgt Ion:244 Resp: 3581398
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.5 8.3
 122 11.5 9.0 13.4

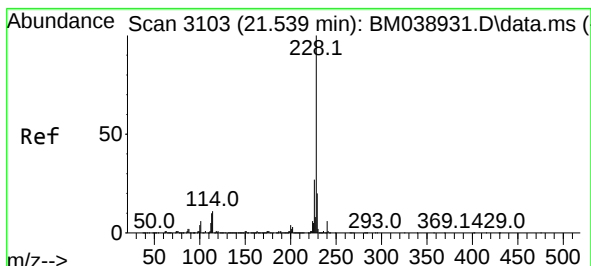
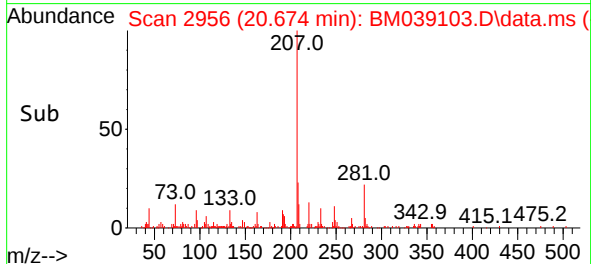
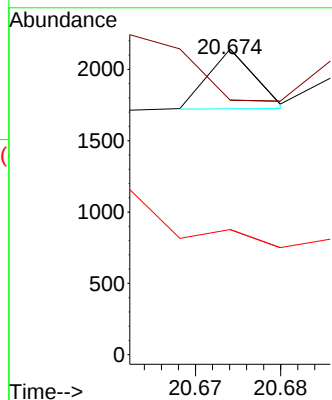
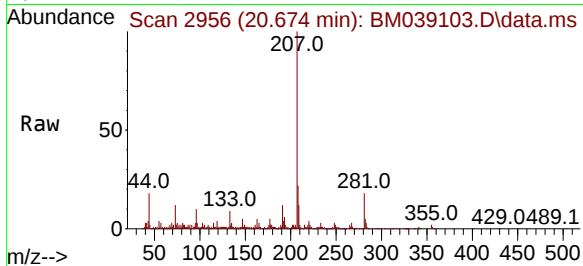




#80
Butylbenzylphthalate
Concen: 3.319 ng
RT: 20.674 min Scan# 2959
Delta R.T. 0.012 min
Lab File: BM039103.D
Acq: 22 Mar 2023 22:00

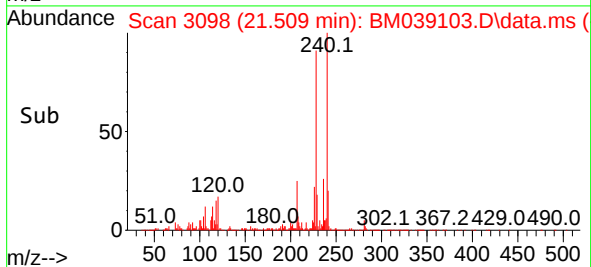
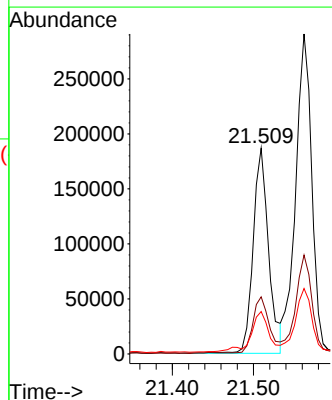
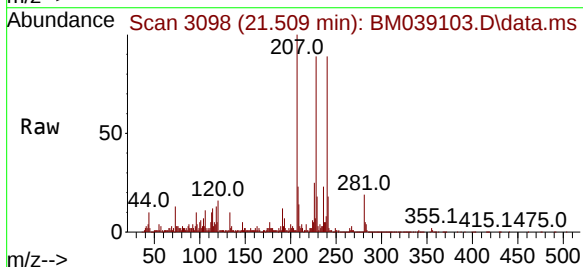
Instrument :
BNA_M
ClientSampleId :
CE-81-031423

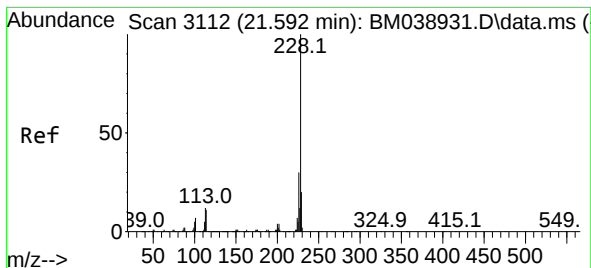
Tgt Ion:149 Resp: 159
Ion Ratio Lower Upper
149 100
91 83.3 58.4 87.6
206 40.9 16.1 24.1#



#81
Benzo(a)anthracene
Concen: 2.496 ng
RT: 21.509 min Scan# 3098
Delta R.T. -0.006 min
Lab File: BM039103.D
Acq: 22 Mar 2023 22:00

Tgt Ion:228 Resp: 247619
Ion Ratio Lower Upper
228 100
226 27.8 21.4 32.2
229 20.6 15.7 23.5





#83

Chrysene

Concen: 4.141 ng

RT: 21.562 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039103.D

Acq: 22 Mar 2023 22:00

Instrument :

BNA_M

ClientSampleId :

CE-81-031423

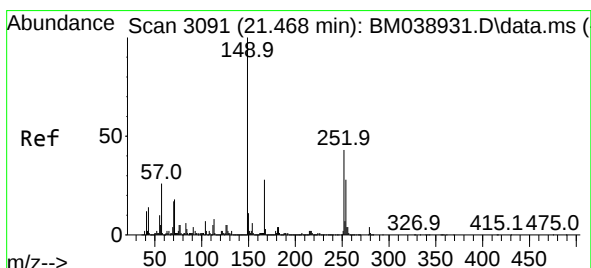
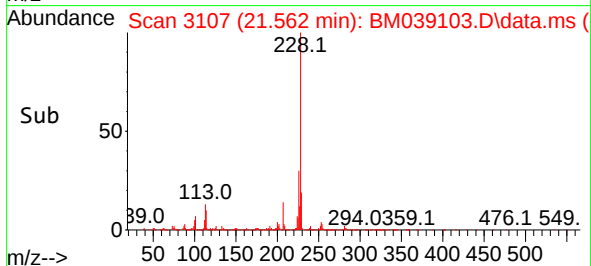
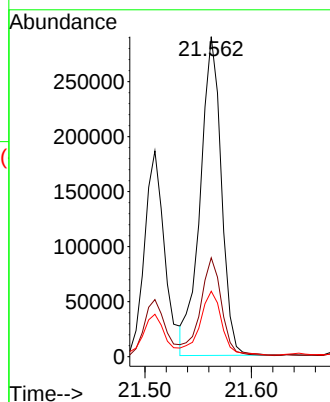
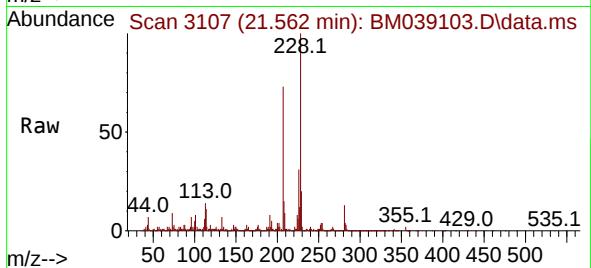
Tgt Ion:228 Resp: 399488

Ion Ratio Lower Upper

228 100

226 30.9 24.0 36.0

229 20.5 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.659 ng

RT: 21.433 min Scan# 3085

Delta R.T. -0.006 min

Lab File: BM039103.D

Acq: 22 Mar 2023 22:00

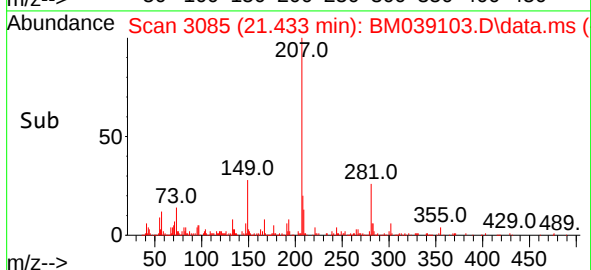
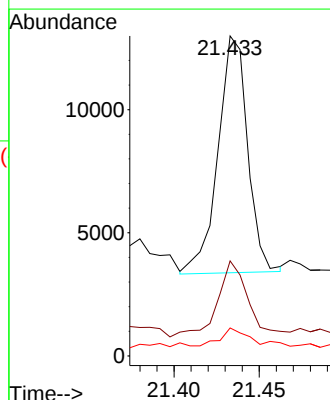
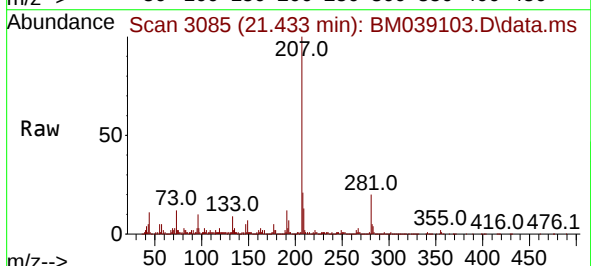
Tgt Ion:149 Resp: 11657

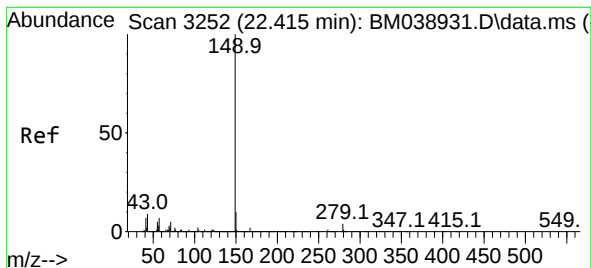
Ion Ratio Lower Upper

149 100

167 29.7 22.3 33.5

279 8.8 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 3.815 ng

RT: 22.374 min Scan# 31

Delta R.T. 0.000 min

Lab File: BM039103.D

Acq: 22 Mar 2023 22:00

Instrument :

BNA_M

ClientSampleId :

CE-81-031423

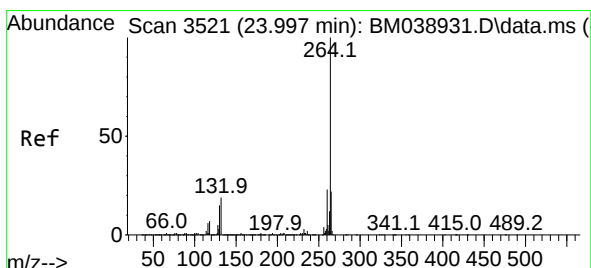
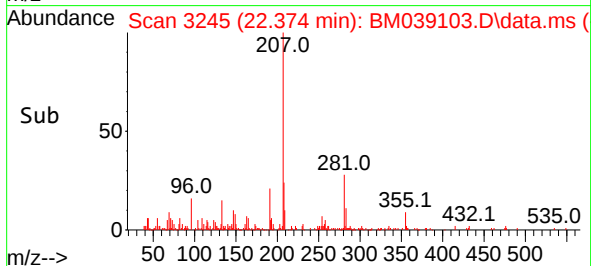
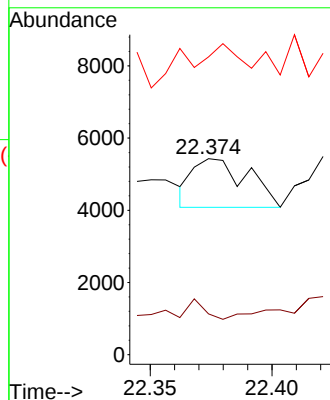
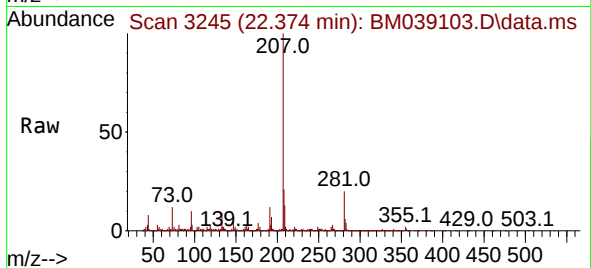
Tgt Ion:149 Resp: 2112

Ion Ratio Lower Upper

149 100

167 19.3 1.2 1.8#

43 92.8 7.4 11.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.956 min Scan# 3514

Delta R.T. -0.006 min

Lab File: BM039103.D

Acq: 22 Mar 2023 22:00

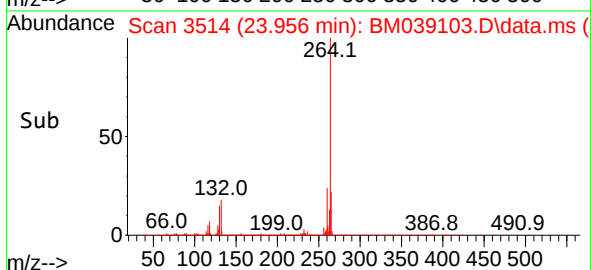
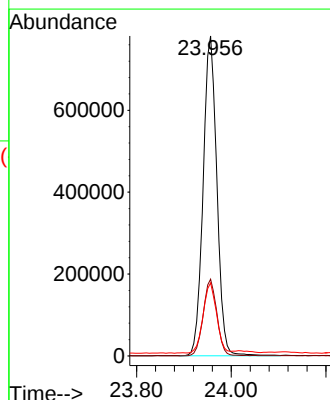
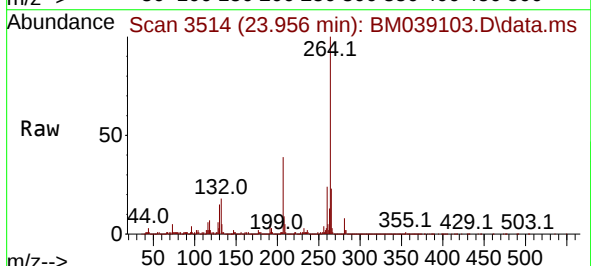
Tgt Ion:264 Resp: 1571734

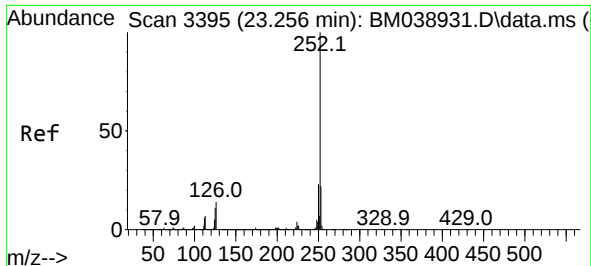
Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 22.9 17.9 26.9

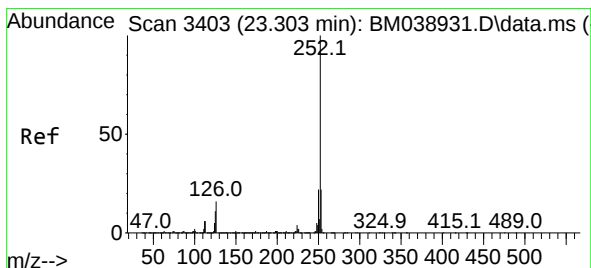
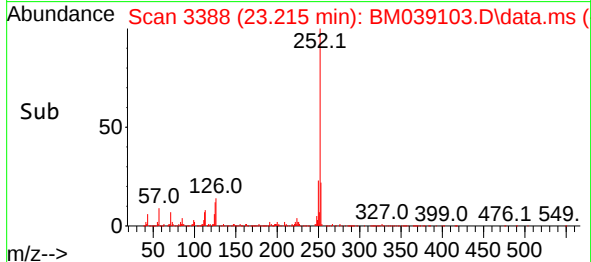
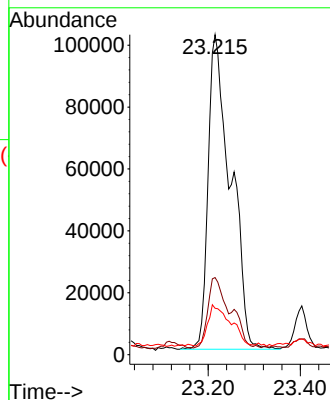
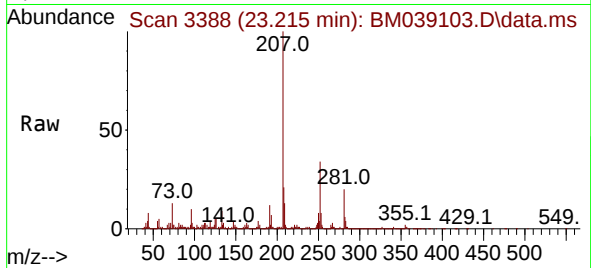




#88
Benzo(b)fluoranthene
Concen: 3.449 ng
RT: 23.215 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039103.D
Acq: 22 Mar 2023 22:00

Instrument :
BNA_M
ClientSampleId :
CE-81-031423

Tgt Ion:252 Resp: 346323
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 14.5 8.8 13.2#



#89
Benzo(k)fluoranthene
Concen: 3.314 ng
RT: 23.215 min Scan# 3388
Delta R.T. -0.053 min
Lab File: BM039103.D
Acq: 22 Mar 2023 22:00

Tgt Ion:252 Resp: 346323
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 14.5 8.9 13.3#

