

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050223\
 Data File : BM039801.D
 Acq On : 02 May 2023 14:29
 Operator : CG/JU
 Sample : 02418-28RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW902

Quant Time: May 03 04:15:41 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 02 18:41:11 2023
 Response via : Initial Calibration

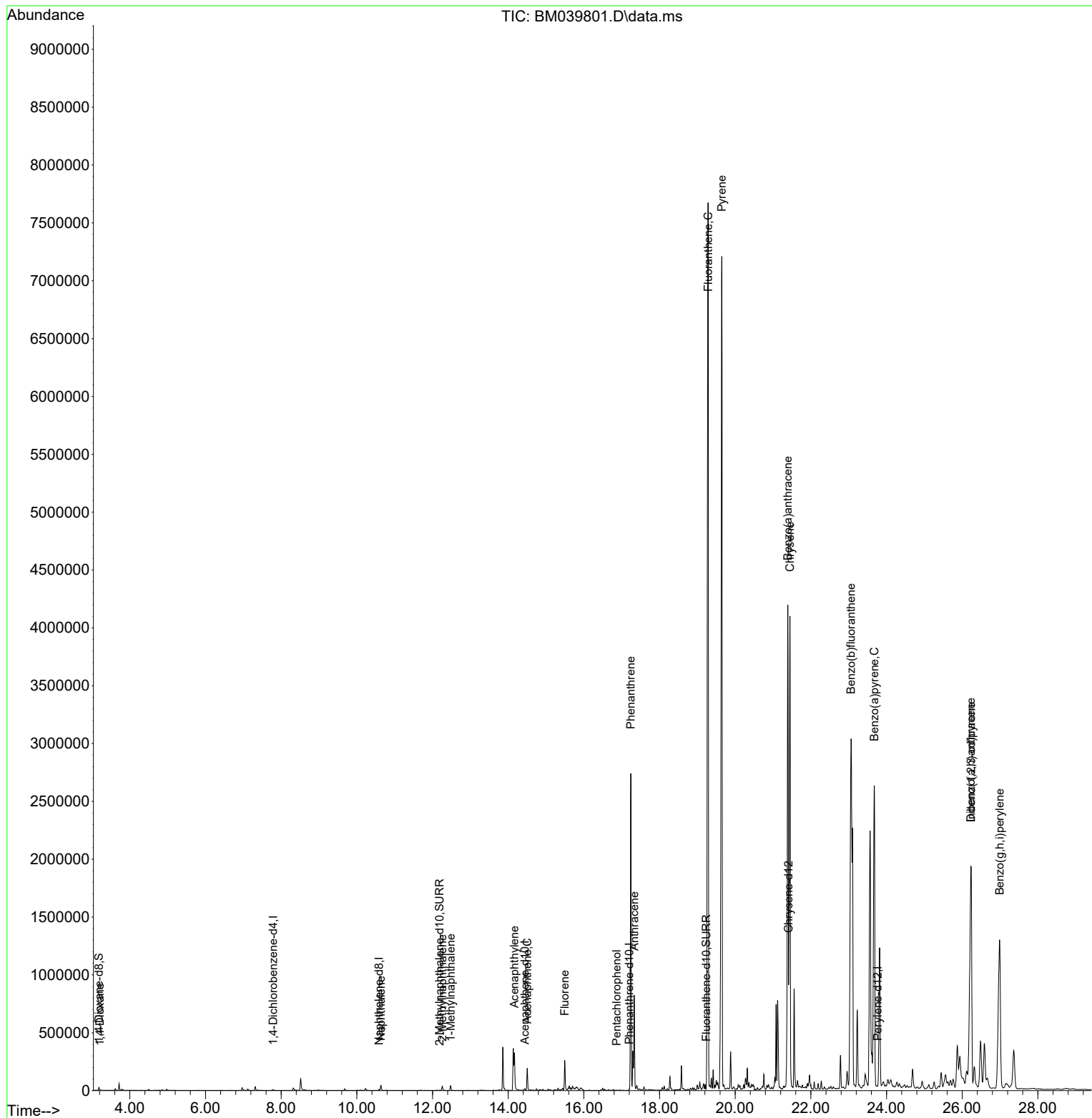
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.788	152	4443	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.589	136	14179	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.440	164	6819	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.199	188	12523	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.409	240	6928	0.400	ng/ul	# 0.00
23) Perylene-d12	23.768	264	17297	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.185	96	15345	2.343	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.183	152	3747	0.206	ng/ul	-0.02
18) Fluoranthene-d10	19.238	212	5704	0.306	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.210	88	280	0.041	ng/ul#	66
5) Naphthalene	10.638	128	66960	1.881	ng/ul	98
7) 2-Methylnaphthalene	12.260	142	29495	1.435	ng/ul	96
8) 1-Methylnaphthalene	12.480	142	30424	1.380	ng/ul	100
10) Acenaphthylene	14.163	152	431324	16.342	ng/ul	99
11) Acenaphthene	14.505	153	111933	5.399	ng/ul	98
12) Fluorene	15.495	166	163513	7.109	ng/ul	98
14) Pentachlorophenol	16.870	266	329	0.121	ng/ul	97
15) Phenanthrene	17.241	178	2892477	87.671	ng/ul	99
16) Anthracene	17.330	178	834473	29.456	ng/ul	97
19) Fluoranthene	19.284	202	8899297	360.057	ng/ul#	94
20) Pyrene	19.647	202	7617576	285.397	ng/ul#	92
21) Benzo(a)anthracene	21.391	228	4378158	219.798	ng/ul	94
22) Chrysene	21.450	228	4616555	204.799	ng/ul	93
24) Benzo(b)fluoranthene	23.063	252	6474349	106.581	ng/ul	95
26) Benzo(a)pyrene	23.677	252	4430810	81.241	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	26.235	276	3773272	54.714	ng/ul#	94
28) Dibenzo(a,h)anthracene	26.232	278	937443	17.514	ng/ul	95
29) Benzo(g,h,i)perylene	26.990	276	3246449	54.025	ng/ul	99

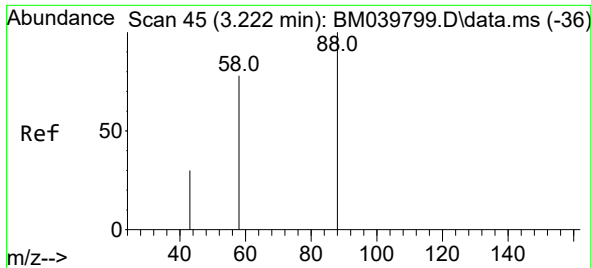
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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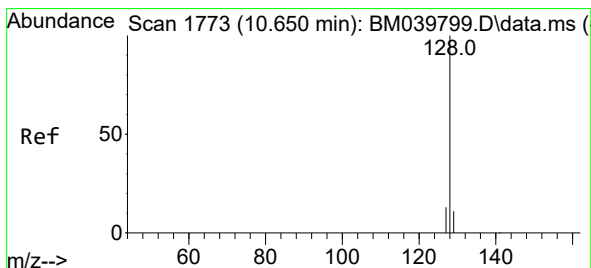
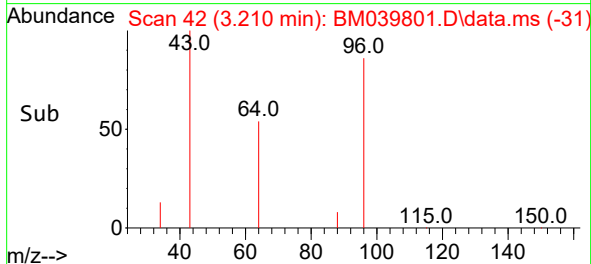
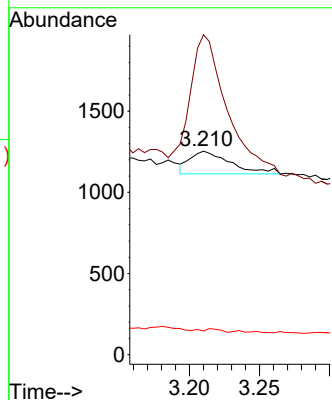
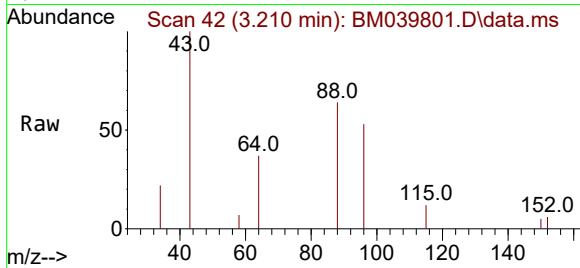




#2
1,4-Dioxane
Concen: 0.041 ng/ul
RT: 3.210 min Scan# 41
Delta R.T. -0.012 min
Lab File: BM039801.D
Acq: 02 May 2023 14:29

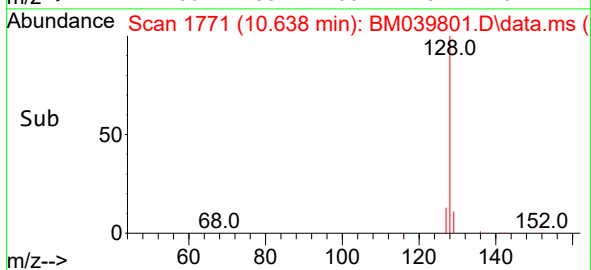
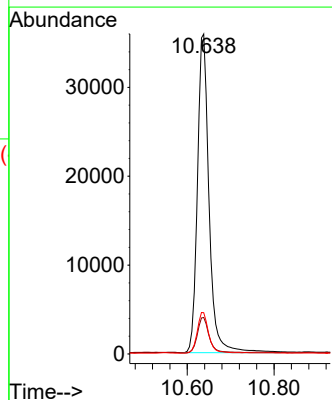
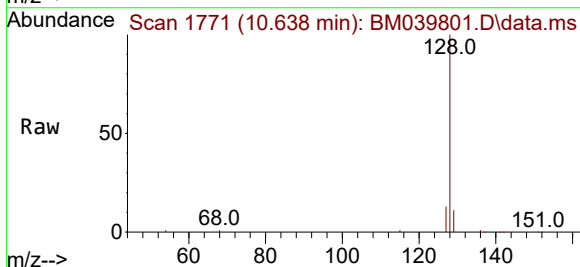
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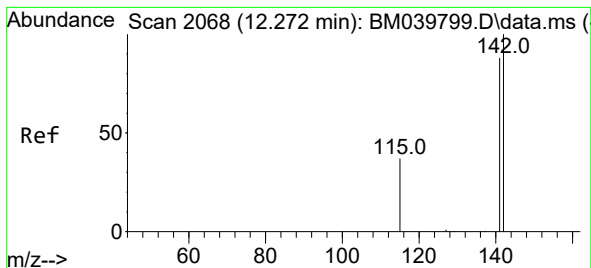
Tgt Ion: 88 Resp: 280
Ion Ratio Lower Upper
88 100
43 157.2 102.6 153.8#
58 11.6 40.6 61.0#



#5
Naphthalene
Concen: 1.881 ng/ul
RT: 10.638 min Scan# 1771
Delta R.T. -0.012 min
Lab File: BM039801.D
Acq: 02 May 2023 14:29

Tgt Ion: 128 Resp: 66960
Ion Ratio Lower Upper
128 100
129 11.4 9.8 14.6
127 12.9 11.1 16.7





#7

2-Methylnaphthalene

Concen: 1.435 ng/ul

RT: 12.260 min Scan# 2066

Delta R.T. -0.012 min

Lab File: BM039801.D

Acq: 02 May 2023 14:29

Instrument :

BNA_M

ClientSampleId :

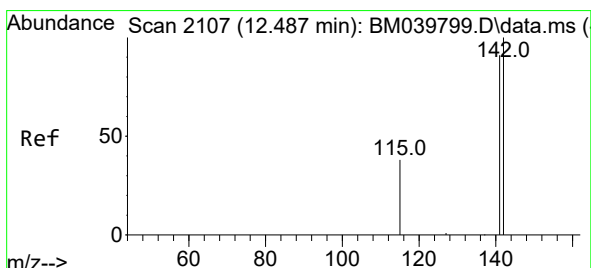
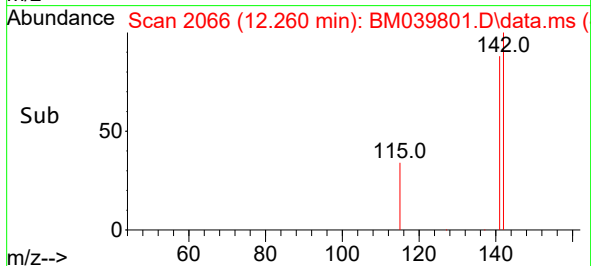
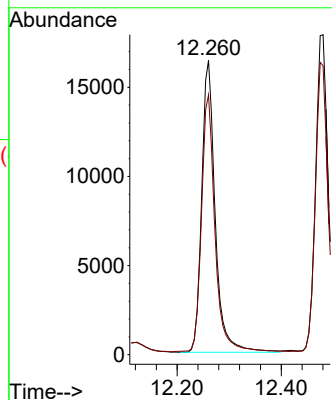
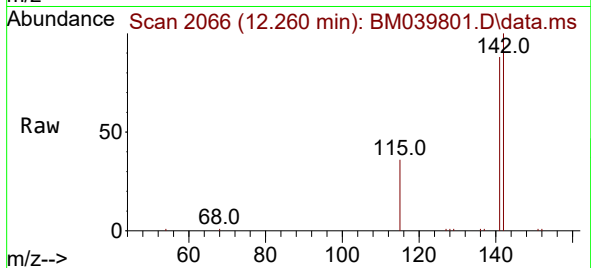
EW902

Tgt Ion:142 Resp: 29495

Ion Ratio Lower Upper

142 100

141 87.8 73.2 109.8



#8

1-Methylnaphthalene

Concen: 1.380 ng/ul

RT: 12.480 min Scan# 2106

Delta R.T. -0.006 min

Lab File: BM039801.D

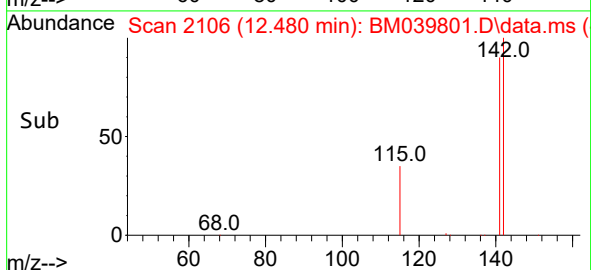
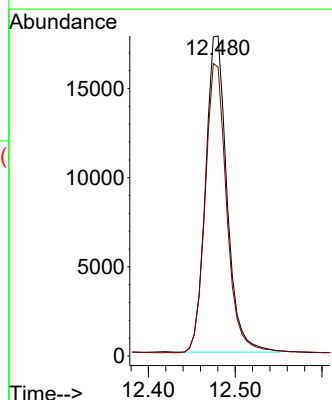
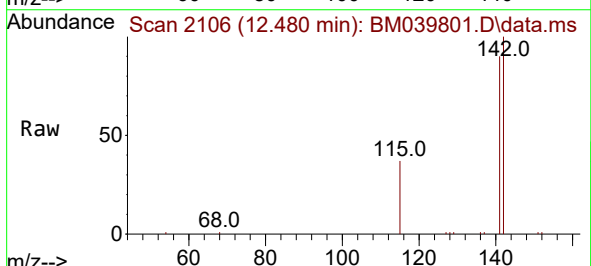
Acq: 02 May 2023 14:29

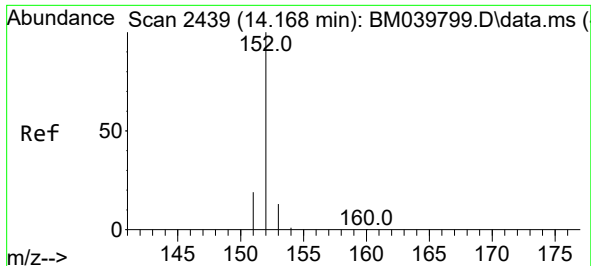
Tgt Ion:142 Resp: 30424

Ion Ratio Lower Upper

142 100

141 91.8 73.4 110.2

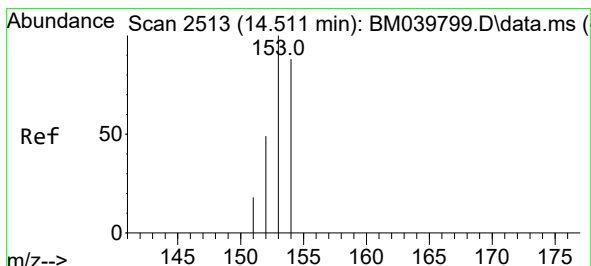
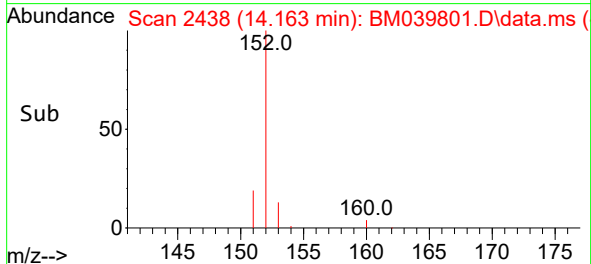
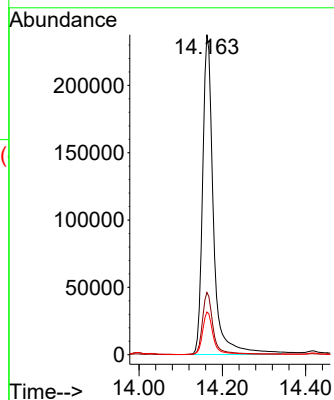
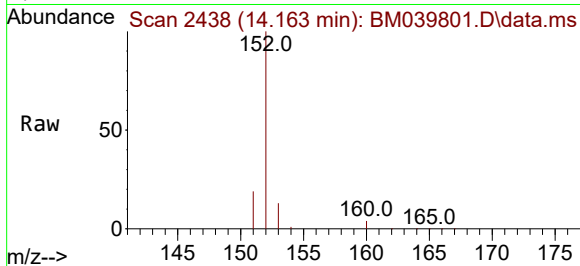




#10
Acenaphthylene
Concen: 16.342 ng/ul
RT: 14.163 min Scan# 2438
Delta R.T. -0.005 min
Lab File: BM039801.D
Acq: 02 May 2023 14:29

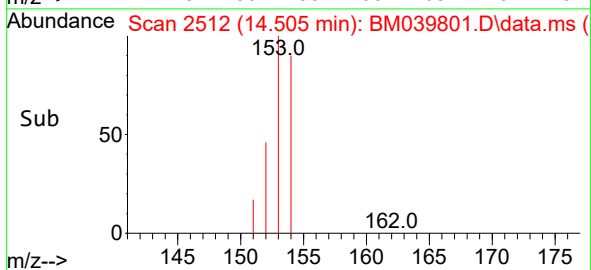
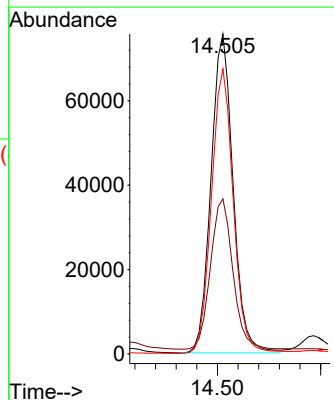
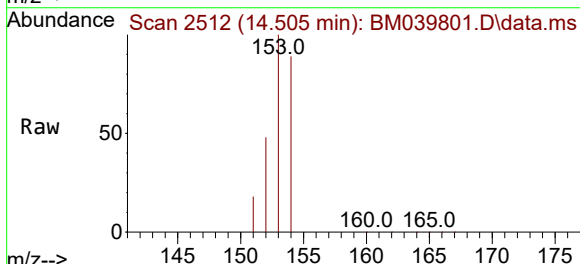
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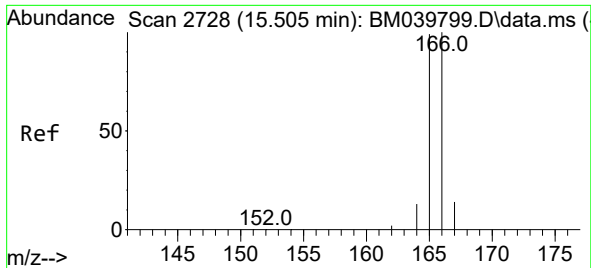
Tgt Ion:152 Resp: 431324
Ion Ratio Lower Upper
152 100
151 19.5 16.0 24.0
153 13.4 11.2 16.8



#11
Acenaphthene
Concen: 5.399 ng/ul
RT: 14.505 min Scan# 2512
Delta R.T. -0.005 min
Lab File: BM039801.D
Acq: 02 May 2023 14:29

Tgt Ion:153 Resp: 111933
Ion Ratio Lower Upper
153 100
152 48.5 40.6 61.0
154 89.1 71.9 107.9

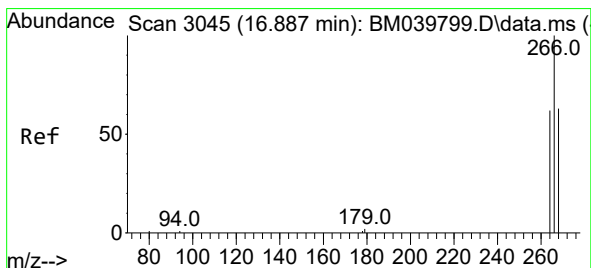
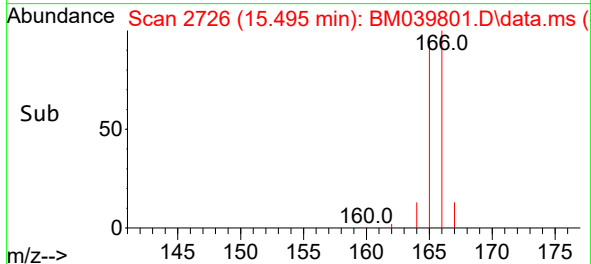
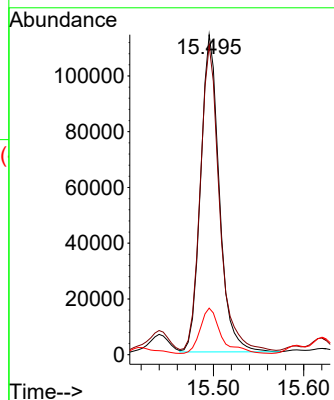
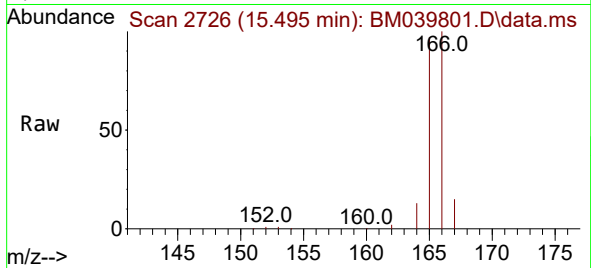




#12
Fluorene
Concen: 7.109 ng/ul
RT: 15.495 min Scan# 21
Delta R.T. -0.010 min
Lab File: BM039801.D
Acq: 02 May 2023 14:29

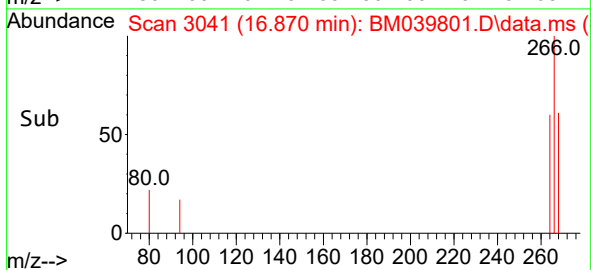
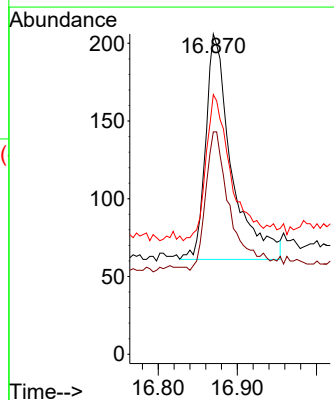
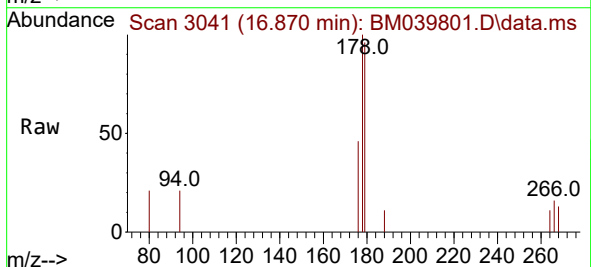
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BNA_M
ClientSampleId :
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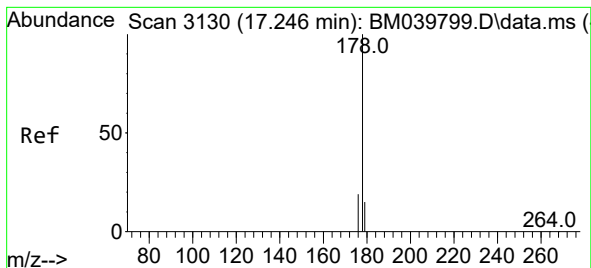
Tgt Ion:166 Resp: 163513
Ion Ratio Lower Upper
166 100
165 96.6 79.0 118.6
167 14.6 11.8 17.6



#14
Pentachlorophenol
Concen: 0.121 ng/ul
RT: 16.870 min Scan# 3041
Delta R.T. -0.018 min
Lab File: BM039801.D
Acq: 02 May 2023 14:29

Tgt Ion:266 Resp: 329
Ion Ratio Lower Upper
266 100
264 60.5 48.8 73.2
268 67.2 50.4 75.6





#15

Phenanthrene

Concen: 87.671 ng/ul

RT: 17.241 min Scan# 3129

Delta R.T. -0.005 min

Lab File: BM039801.D

Acq: 02 May 2023 14:29

Instrument :

BNA_M

ClientSampleId :

EW902

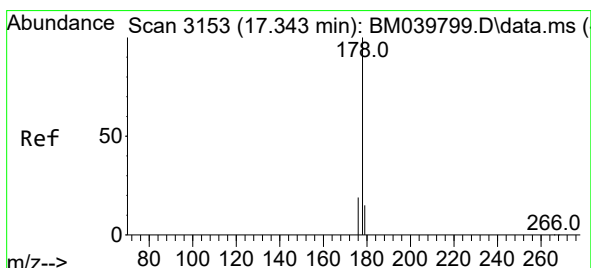
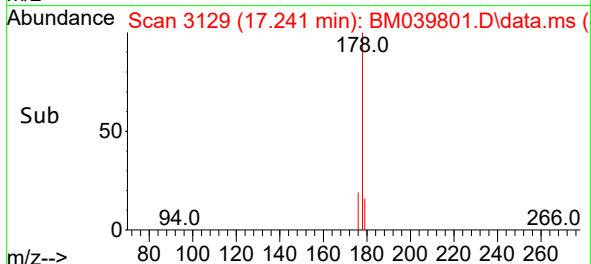
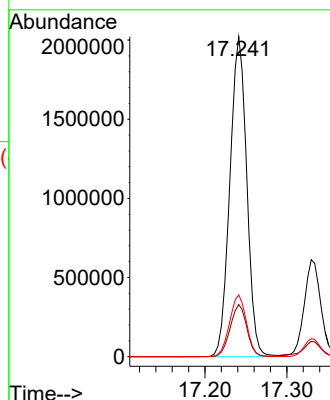
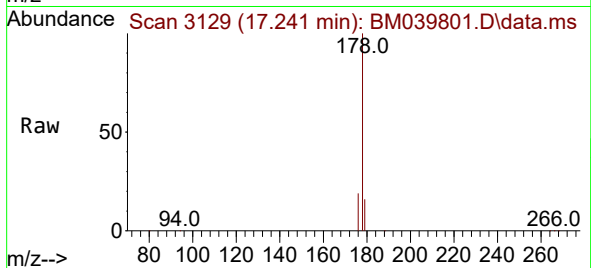
Tgt Ion:178 Resp: 2892477

Ion Ratio Lower Upper

178 100

179 16.3 13.0 19.6

176 19.3 15.8 23.8



#16

Anthracene

Concen: 29.456 ng/ul

RT: 17.330 min Scan# 3150

Delta R.T. -0.013 min

Lab File: BM039801.D

Acq: 02 May 2023 14:29

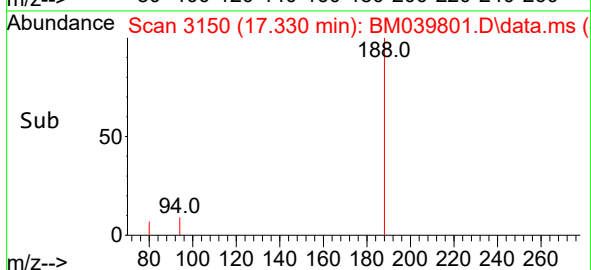
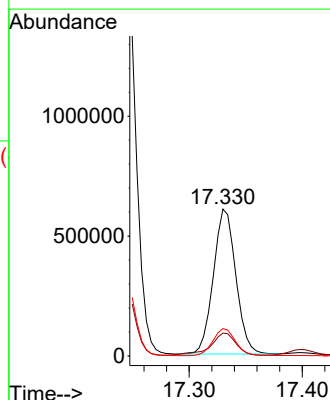
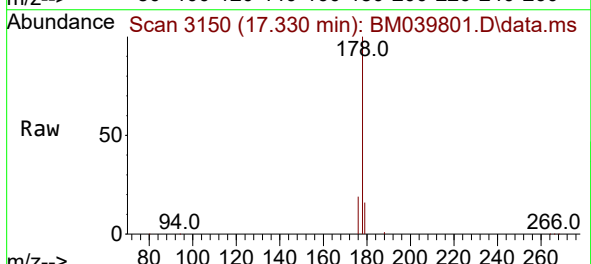
Tgt Ion:178 Resp: 834473

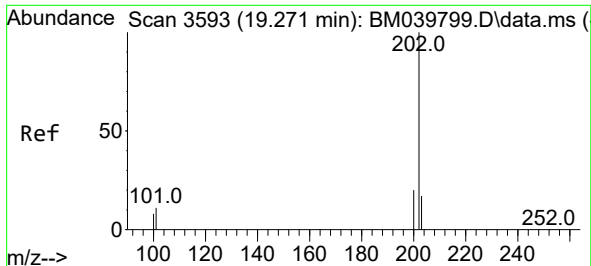
Ion Ratio Lower Upper

178 100

179 15.6 13.8 20.6

176 18.6 15.8 23.8

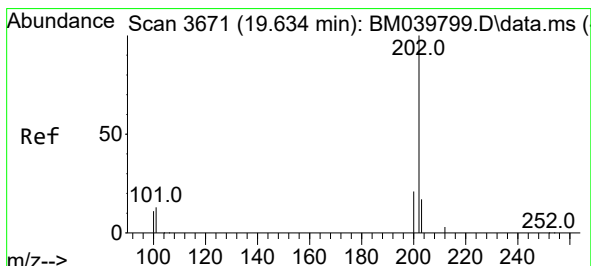
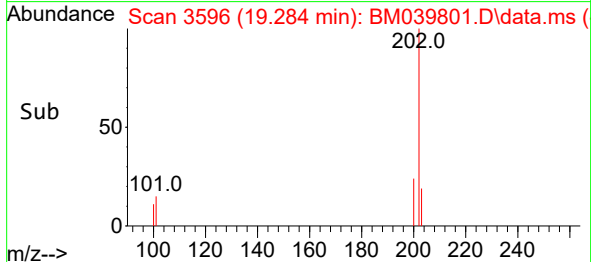
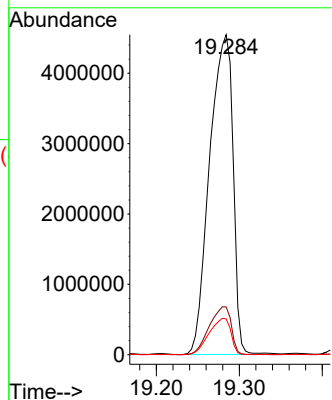
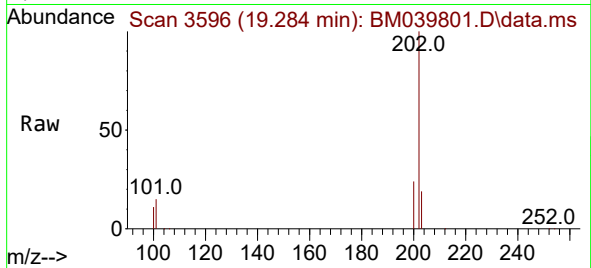




#19
Fluoranthene
Concen: 360.057 ng/ul
RT: 19.284 min Scan# 3596
Delta R.T. 0.013 min
Lab File: BM039801.D
Acq: 02 May 2023 14:29

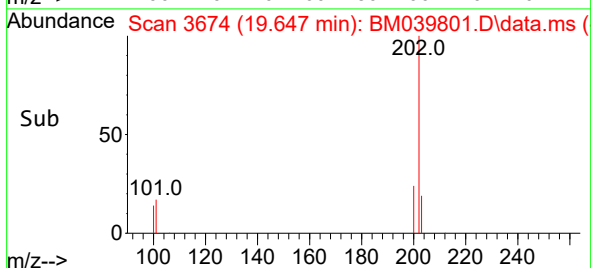
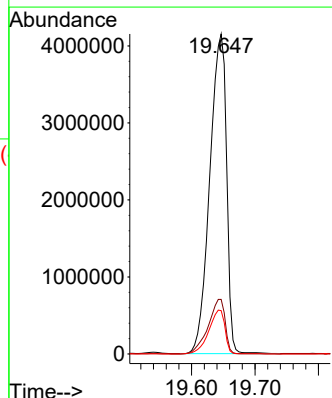
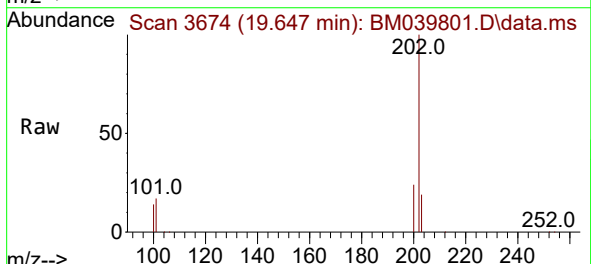
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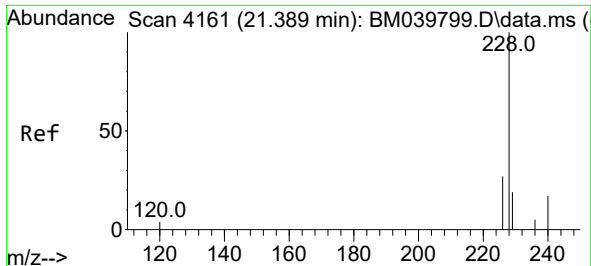
Tgt Ion:202 Resp: 8899297
Ion Ratio Lower Upper
202 100
101 15.0 9.8 14.8#
100 11.2 7.3 10.9#



#20
Pyrene
Concen: 285.397 ng/ul
RT: 19.647 min Scan# 3674
Delta R.T. 0.013 min
Lab File: BM039801.D
Acq: 02 May 2023 14:29

Tgt Ion:202 Resp: 7617576
Ion Ratio Lower Upper
202 100
101 17.1 10.9 16.3#
100 13.6 8.9 13.3#

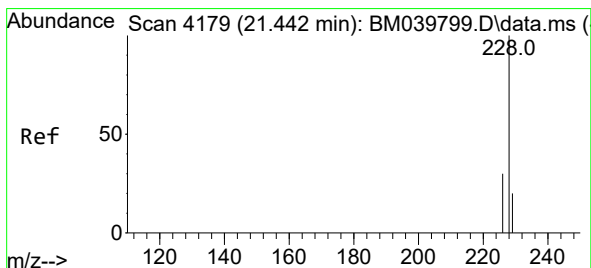
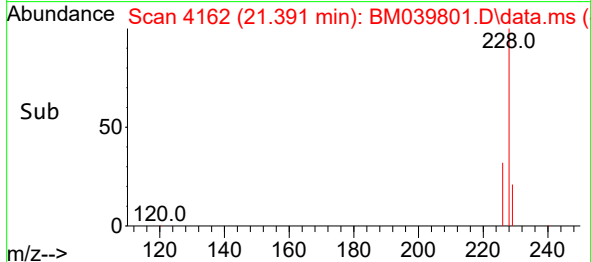
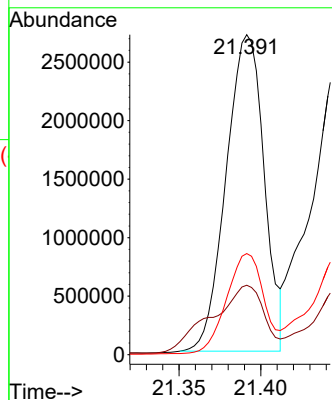
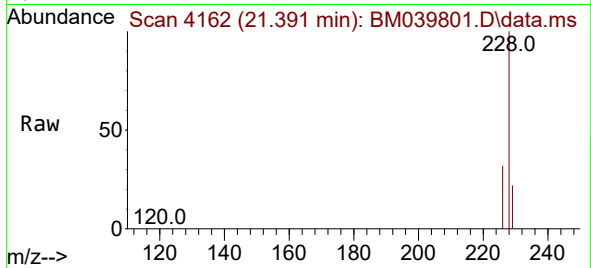




#21
Benzo(a)anthracene
Concen: 219.798 ng/ul
RT: 21.391 min Scan# 4162
Delta R.T. 0.002 min
Lab File: BM039801.D
Acq: 02 May 2023 14:29

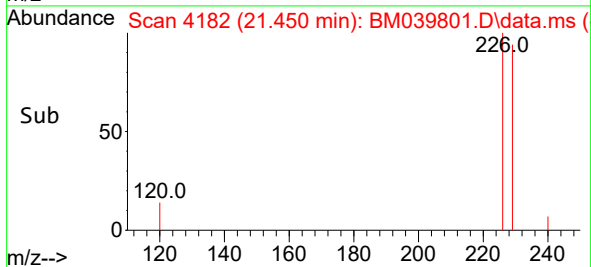
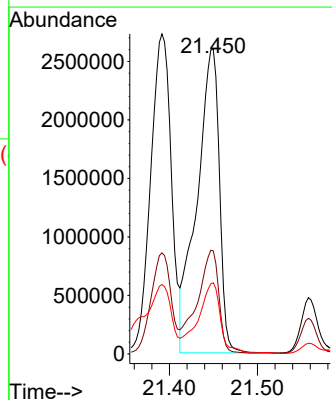
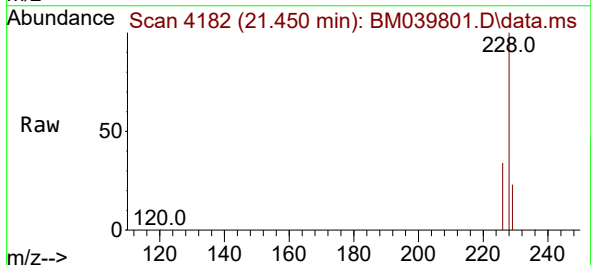
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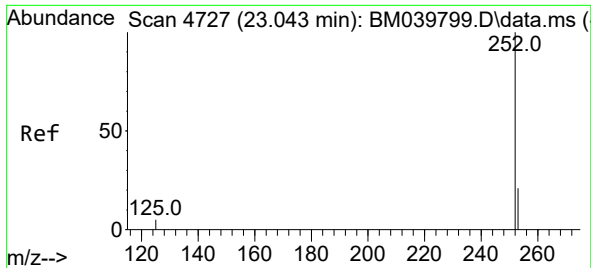
Tgt Ion:228 Resp: 4378158
Ion Ratio Lower Upper
228 100
229 21.7 16.2 24.2
226 31.6 21.6 32.4



#22
Chrysene
Concen: 204.799 ng/ul
RT: 21.450 min Scan# 4182
Delta R.T. 0.008 min
Lab File: BM039801.D
Acq: 02 May 2023 14:29

Tgt Ion:228 Resp: 4616555
Ion Ratio Lower Upper
228 100
226 33.8 24.3 36.5
229 23.4 15.9 23.9

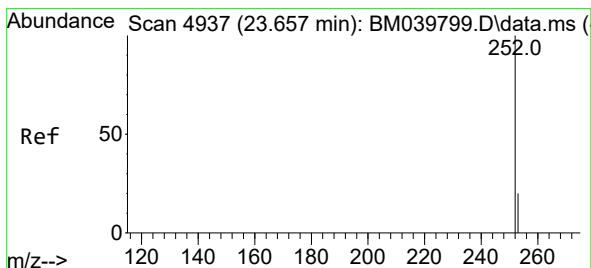
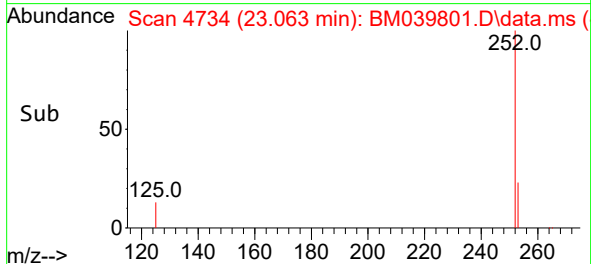
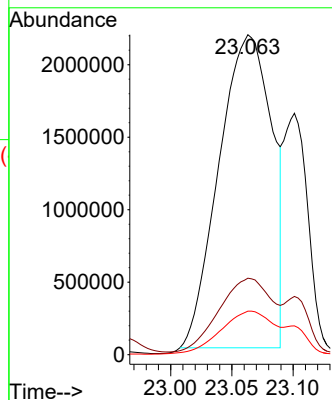
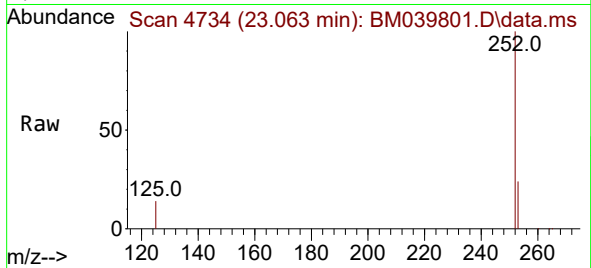




#24
Benzo(b)fluoranthene
Concen: 106.581 ng/ul
RT: 23.063 min Scan# 41
Delta R.T. 0.020 min
Lab File: BM039801.D
Acq: 02 May 2023 14:29

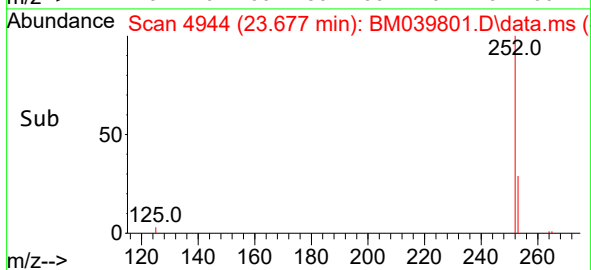
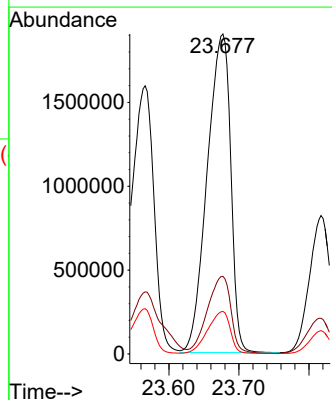
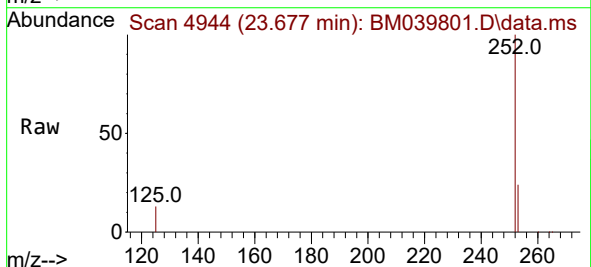
Instrument :
BNA_M
ClientSampleId :
EW902

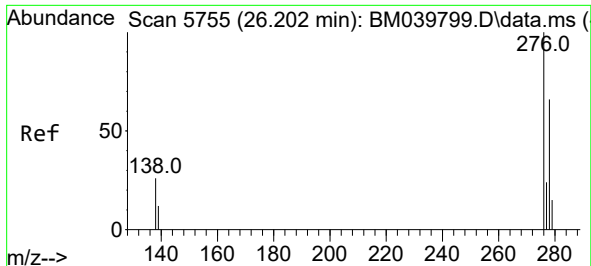
Tgt Ion:252 Resp: 6474349
Ion Ratio Lower Upper
252 100
253 23.9 0.0 52.8
125 13.6 0.0 31.6



#26
Benzo(a)pyrene
Concen: 81.241 ng/ul
RT: 23.677 min Scan# 4944
Delta R.T. 0.020 min
Lab File: BM039801.D
Acq: 02 May 2023 14:29

Tgt Ion:252 Resp: 4430810
Ion Ratio Lower Upper
252 100
253 24.2 24.7 37.1#
125 13.3 16.5 24.7#

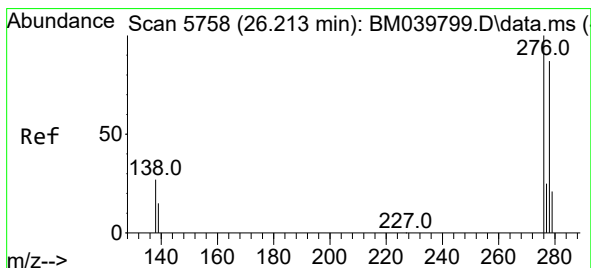
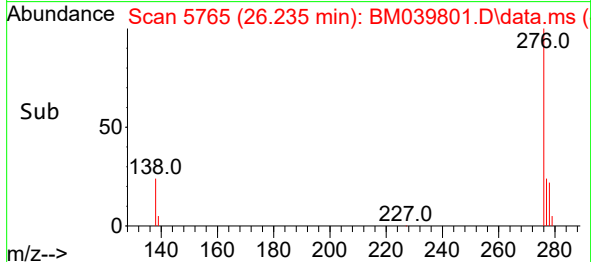
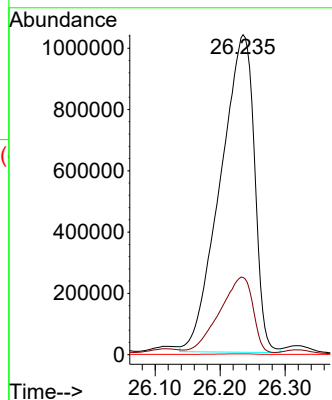
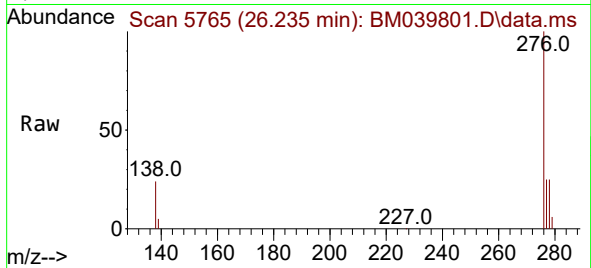




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 54.714 ng/ul
 RT: 26.235 min Scan# 5765
 Delta R.T. 0.033 min
 Lab File: BM039801.D
 Acq: 02 May 2023 14:29

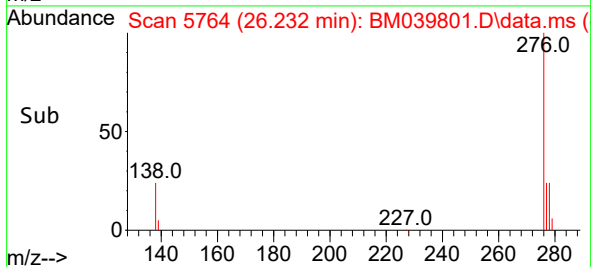
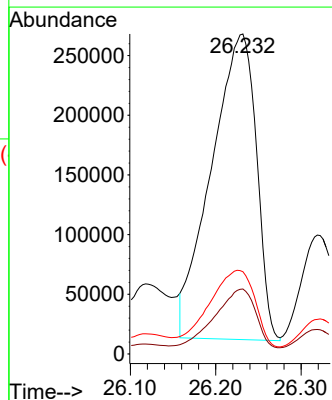
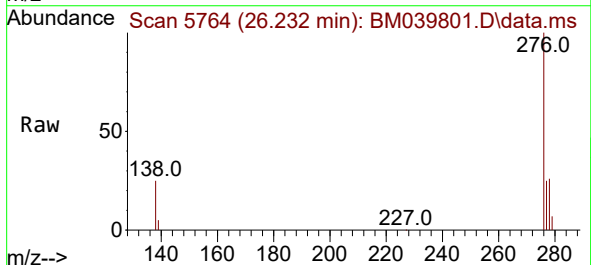
Instrument :
 BNA_M
 ClientSampleId :
 EW902

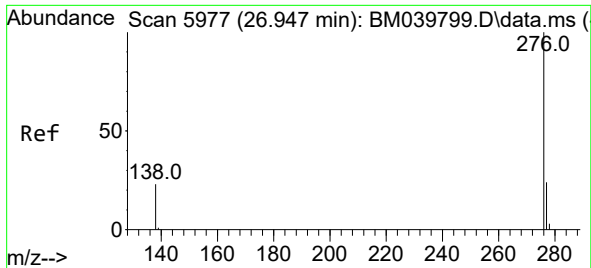
Tgt Ion:276 Resp: 3773272
 Ion Ratio Lower Upper
 276 100
 138 23.4 21.1 31.7
 227 0.2 0.1 0.1#



#28
 Dibenzo(a,h)anthracene
 Concen: 17.514 ng/ul
 RT: 26.232 min Scan# 5764
 Delta R.T. 0.019 min
 Lab File: BM039801.D
 Acq: 02 May 2023 14:29

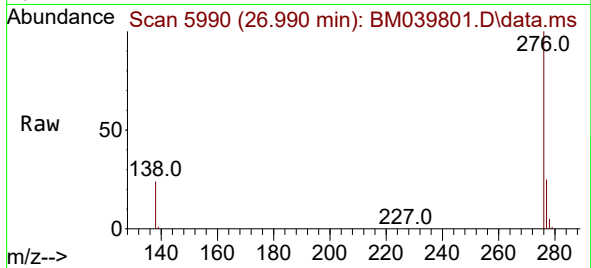
Tgt Ion:278 Resp: 937443
 Ion Ratio Lower Upper
 278 100
 139 20.3 17.0 25.6
 279 25.7 23.4 35.2





#29
 Benzo(g,h,i)perylene
 Concen: 54.025 ng/ul
 RT: 26.990 min Scan# 51
 Delta R.T. 0.043 min
 Lab File: BM039801.D
 Acq: 02 May 2023 14:29

Instrument :
 BNA_M
 ClientSampleId :
 EW902



Tgt Ion:276 Resp: 3246449

Ion	Ratio	Lower	Upper
276	100		
138	24.3	20.1	30.1
277	25.1	20.1	30.1

