

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052523\
 Data File : BM040020.D
 Acq On : 26 May 2023 02:07
 Operator : CG/JU
 Sample : PB152980BS
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS980

Quant Time: May 26 02:38:55 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 15:01:16 2023
 Response via : Initial Calibration

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

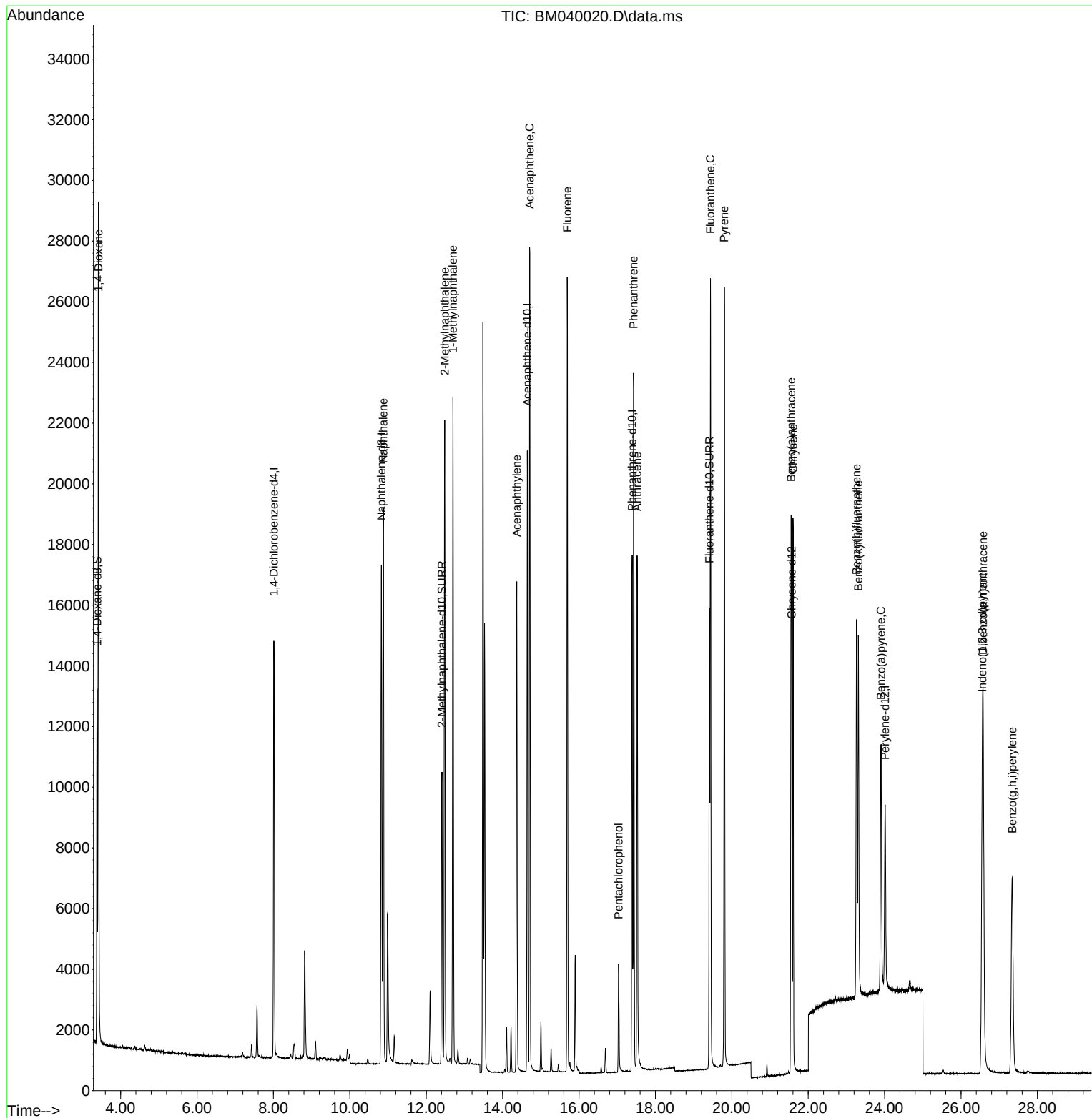
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.012	152	7041	0.400	ng/ul	0.00
4) Naphthalene-d8	10.828	136	22362	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.647	164	10624	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.391	188	19285	0.400	ng/ul	0.00
17) Chrysene-d12	21.567	240	9548	0.400	ng/ul	0.00
23) Perylene-d12	24.014	264	8889	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.384	96	7403	0.903	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.411	152	12605	0.461	ng/ul	0.00
18) Fluoranthene-d10	19.412	212	14825	0.516	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.418	88	18031	2.090	ng/ul	91
5) Naphthalene	10.877	128	24870	0.455	ng/ul	99
7) 2-Methylnaphthalene	12.483	142	14793	0.449	ng/ul	100
8) 1-Methylnaphthalene	12.697	142	15032	0.438	ng/ul	100
10) Acenaphthylene	14.369	152	18205	0.430	ng/ul	100
11) Acenaphthene	14.711	153	15413	0.447	ng/ul	99
12) Fluorene	15.692	166	16015	0.446	ng/ul	99
14) Pentachlorophenol	17.037	266	2394	0.612	ng/ul	99
15) Phenanthrene	17.429	178	23727	0.435	ng/ul	99
16) Anthracene	17.522	178	18936	0.413	ng/ul	100
19) Fluoranthene	19.440	202	21251	0.495	ng/ul	98
20) Pyrene	19.803	202	21001	0.482	ng/ul	99
21) Benzo(a)anthracene	21.550	228	14235	0.443	ng/ul	99
22) Chrysene	21.602	228	16154	0.473	ng/ul	100
24) Benzo(b)fluoranthene	23.266	252	15823	0.448	ng/ul	98
25) Benzo(k)fluoranthene	23.312	252	15770	0.443	ng/ul	99
26) Benzo(a)pyrene	23.906	252	13002	0.440	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	26.558	276	17736	0.417	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.578	278	14267	0.416	ng/ul	98
29) Benzo(g,h,i)perylene	27.339	276	14447	0.415	ng/ul	98

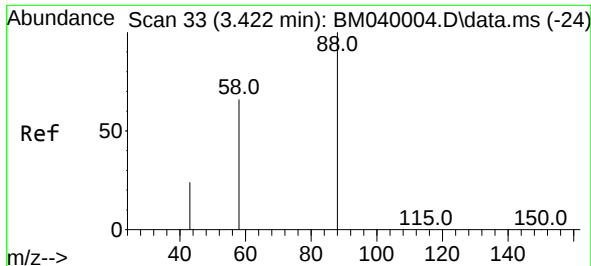
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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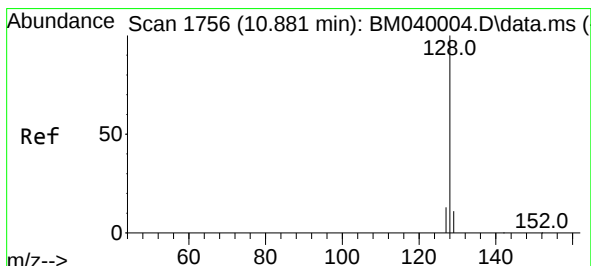
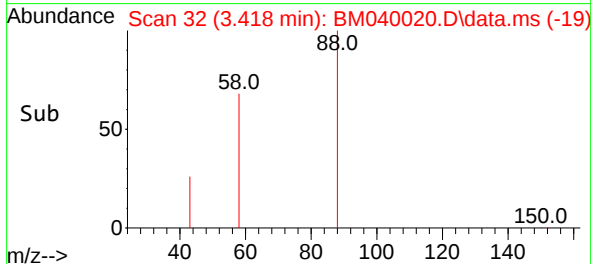
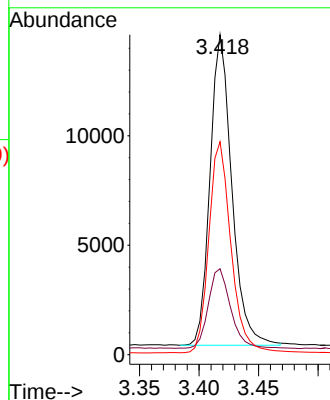
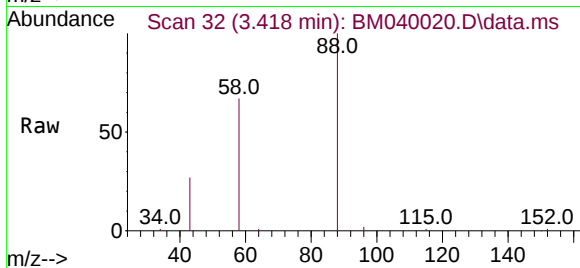




#2
1,4-Dioxane
Concen: 2.090 ng/ul
RT: 3.418 min Scan# 31
Delta R.T. -0.004 min
Lab File: BM040020.D
Acq: 26 May 2023 02:07

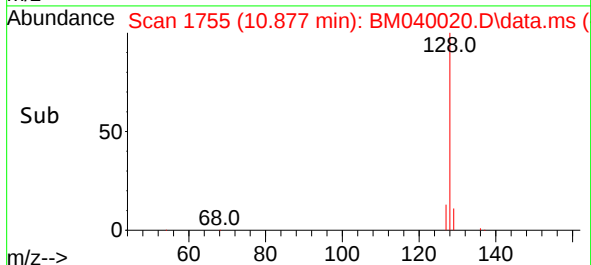
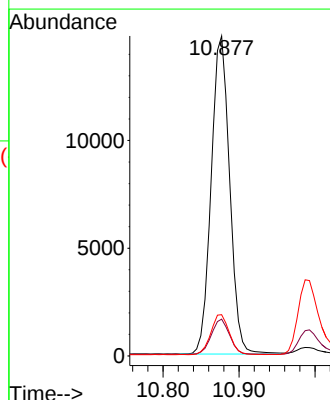
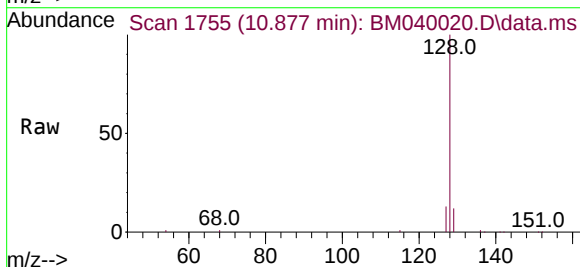
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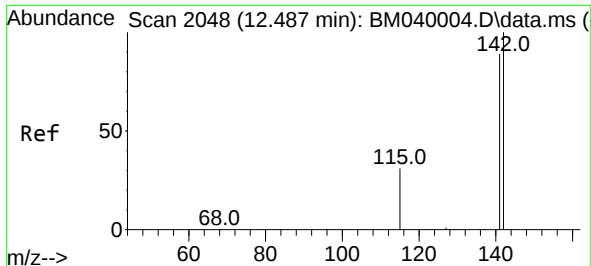
Tgt Ion: 88 Resp: 18031
Ion Ratio Lower Upper
88 100
43 26.9 25.9 38.9
58 66.5 48.5 72.7



#5
Naphthalene
Concen: 0.455 ng/ul
RT: 10.877 min Scan# 1755
Delta R.T. 0.000 min
Lab File: BM040020.D
Acq: 26 May 2023 02:07

Tgt Ion: 128 Resp: 24870
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.6
127 12.9 10.5 15.7

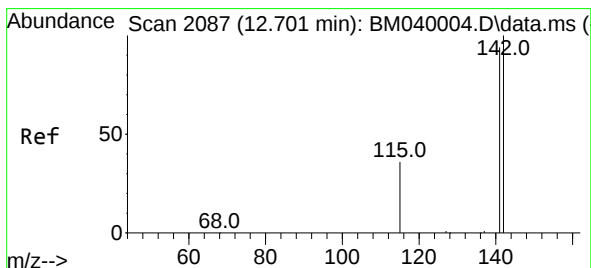
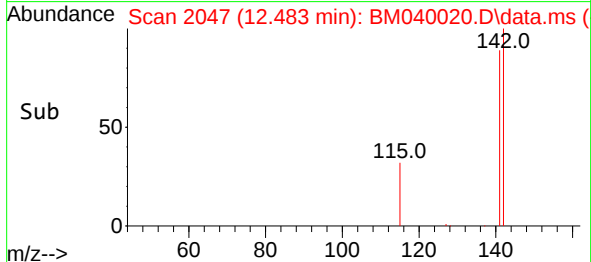
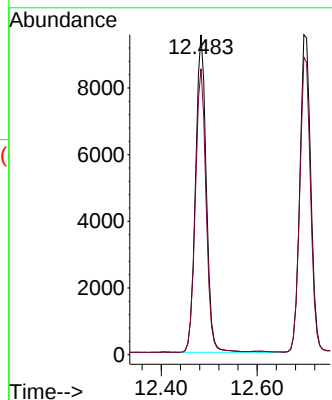
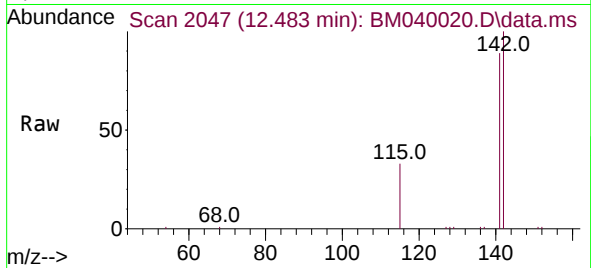




#7
2-Methylnaphthalene
Concen: 0.449 ng/ul
RT: 12.483 min Scan# 2047
Delta R.T. 0.000 min
Lab File: BM040020.D
Acq: 26 May 2023 02:07

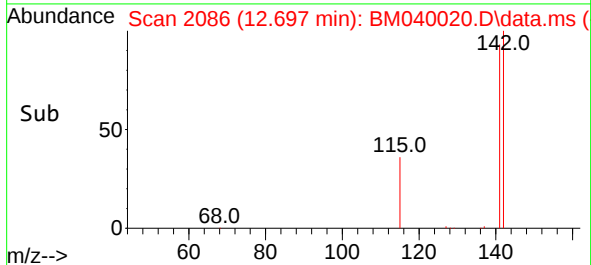
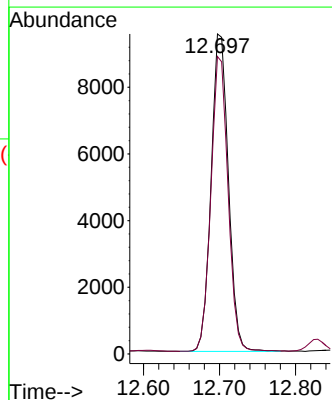
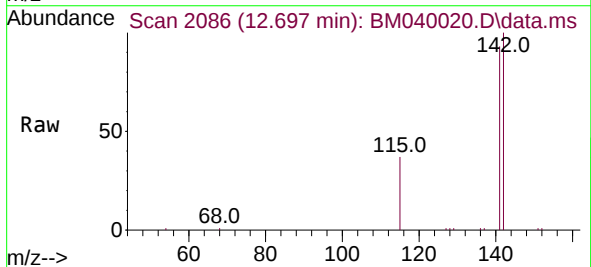
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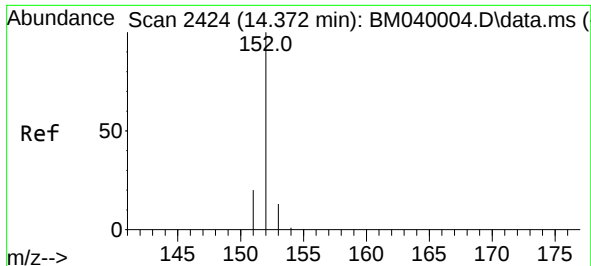
Tgt Ion:142 Resp: 14793
Ion Ratio Lower Upper
142 100
141 89.2 71.3 106.9



#8
1-Methylnaphthalene
Concen: 0.438 ng/ul
RT: 12.697 min Scan# 2086
Delta R.T. -0.005 min
Lab File: BM040020.D
Acq: 26 May 2023 02:07

Tgt Ion:142 Resp: 15032
Ion Ratio Lower Upper
142 100
141 92.1 73.8 110.6

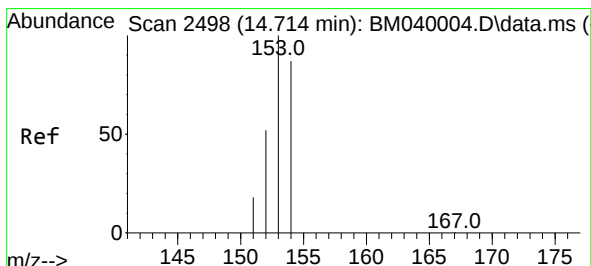
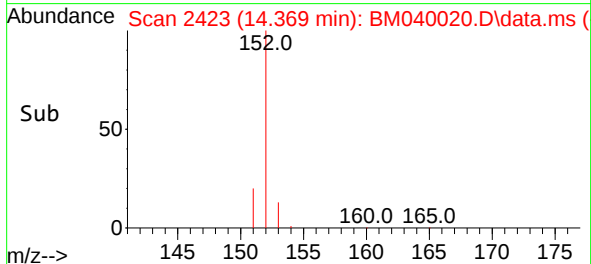
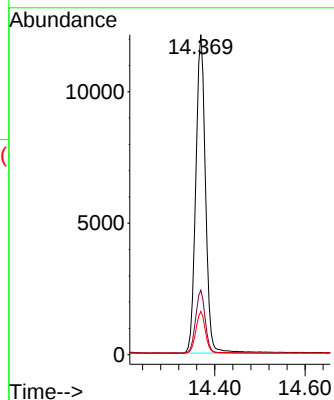
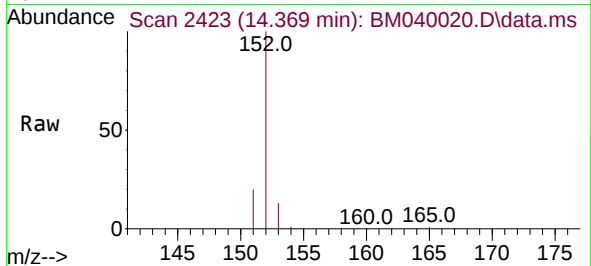




#10
Acenaphthylene
Concen: 0.430 ng/ul
RT: 14.369 min Scan# 2423
Delta R.T. 0.000 min
Lab File: BM040020.D
Acq: 26 May 2023 02:07

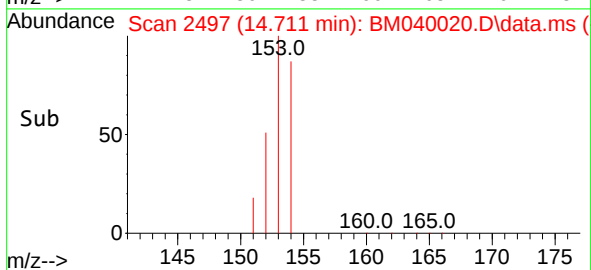
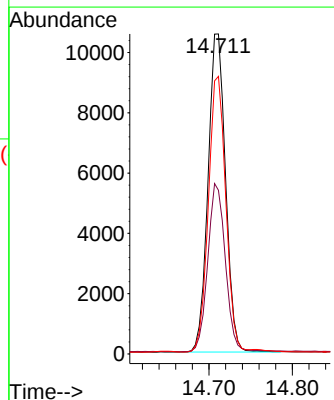
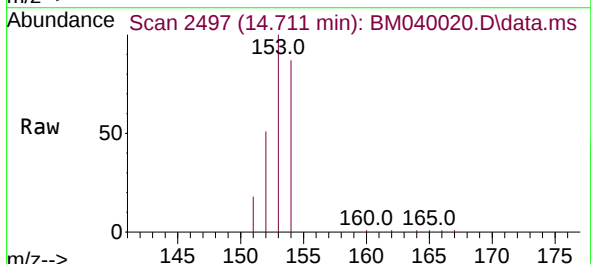
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ClientSampleId :
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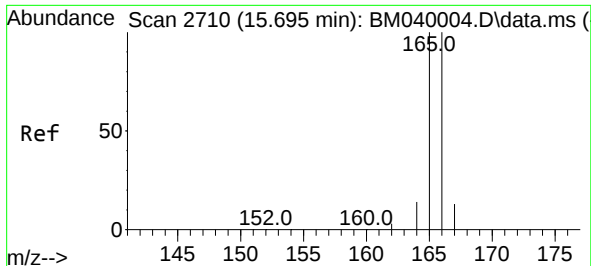
Tgt Ion:152 Resp: 18205
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.4
153 13.5 10.6 16.0



#11
Acenaphthene
Concen: 0.447 ng/ul
RT: 14.711 min Scan# 2497
Delta R.T. -0.000 min
Lab File: BM040020.D
Acq: 26 May 2023 02:07

Tgt Ion:153 Resp: 15413
Ion Ratio Lower Upper
153 100
152 51.1 42.0 63.0
154 86.7 69.4 104.2

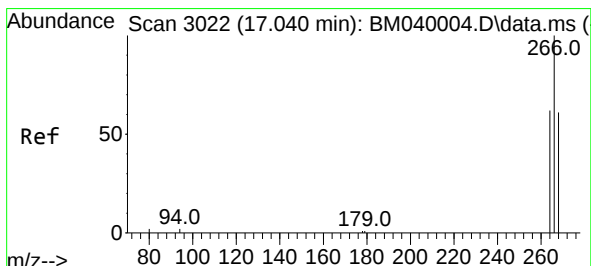
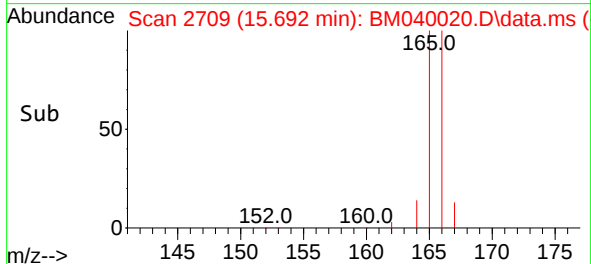
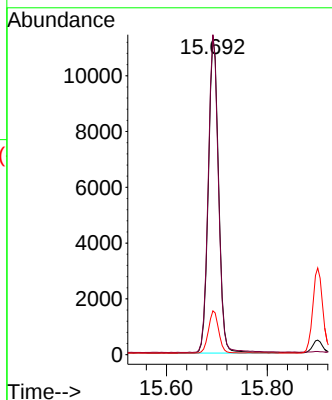
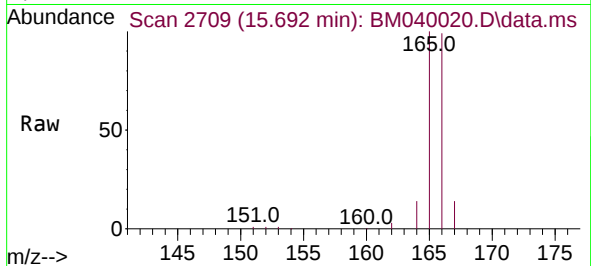




#12
Fluorene
Concen: 0.446 ng/ul
RT: 15.692 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM040020.D
Acq: 26 May 2023 02:07

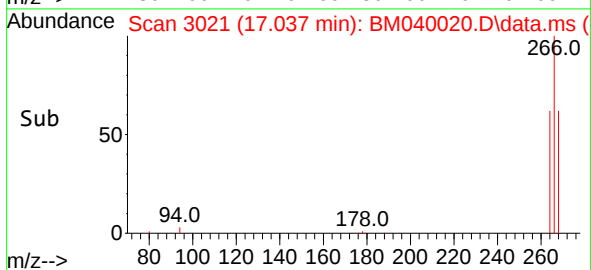
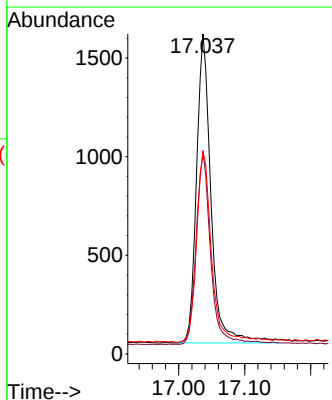
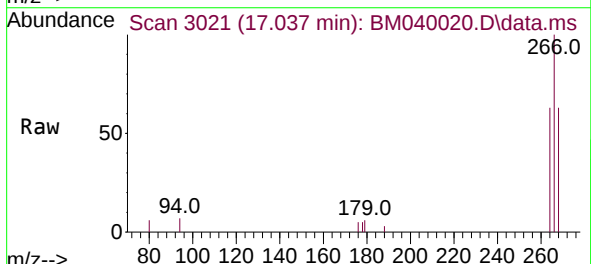
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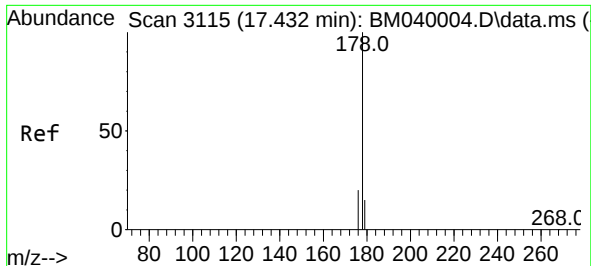
Tgt Ion:166 Resp: 16015
Ion Ratio Lower Upper
166 100
165 100.6 79.3 118.9
167 13.8 10.8 16.2



#14
Pentachlorophenol
Concen: 0.612 ng/ul
RT: 17.037 min Scan# 3021
Delta R.T. -0.004 min
Lab File: BM040020.D
Acq: 26 May 2023 02:07

Tgt Ion:266 Resp: 2394
Ion Ratio Lower Upper
266 100
264 62.7 49.2 73.8
268 64.3 51.9 77.9

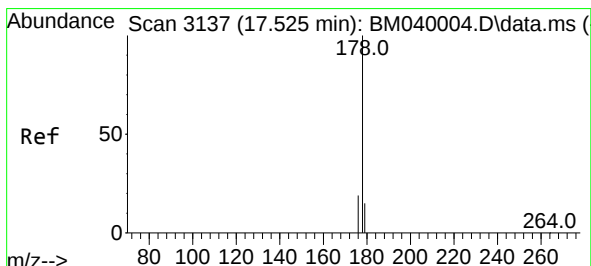
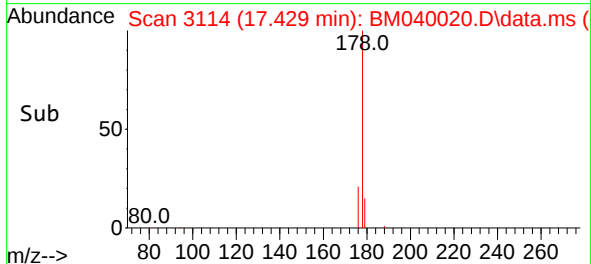
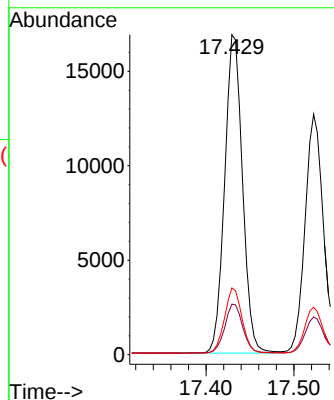
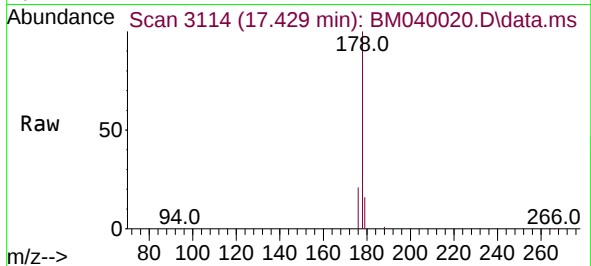




#15
Phenanthrene
Concen: 0.435 ng/ul
RT: 17.429 min Scan# 3114
Delta R.T. -0.004 min
Lab File: BM040020.D
Acq: 26 May 2023 02:07

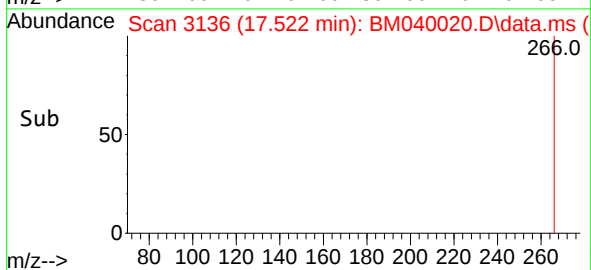
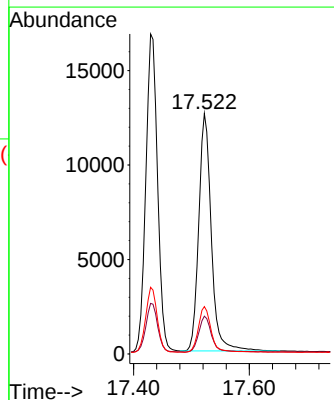
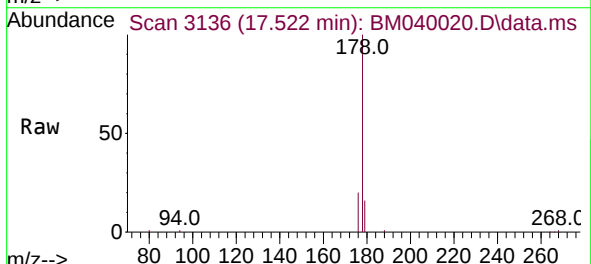
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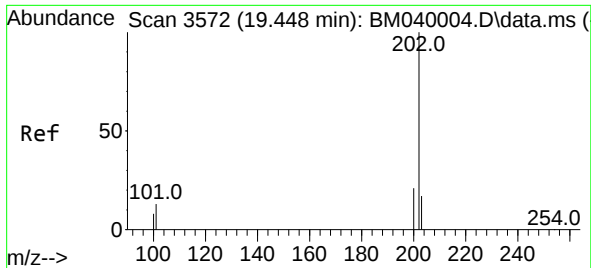
Tgt Ion:178 Resp: 23727
Ion Ratio Lower Upper
178 100
179 15.8 12.4 18.6
176 20.8 16.3 24.5



#16
Anthracene
Concen: 0.413 ng/ul
RT: 17.522 min Scan# 3136
Delta R.T. -0.004 min
Lab File: BM040020.D
Acq: 26 May 2023 02:07

Tgt Ion:178 Resp: 18936
Ion Ratio Lower Upper
178 100
179 15.7 12.6 19.0
176 19.7 15.5 23.3

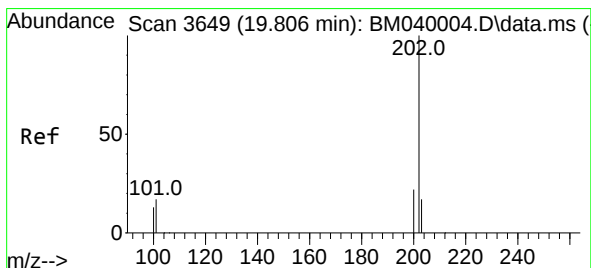
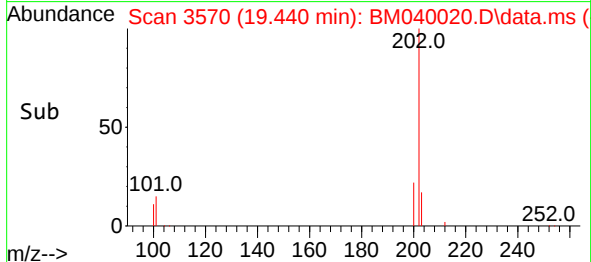
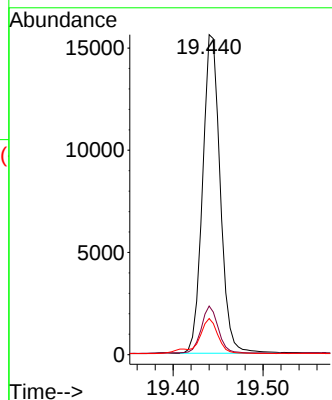
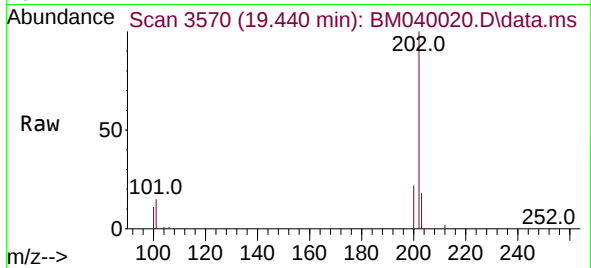




#19
Fluoranthene
Concen: 0.495 ng/ul
RT: 19.440 min Scan# 3570
Delta R.T. -0.005 min
Lab File: BM040020.D
Acq: 26 May 2023 02:07

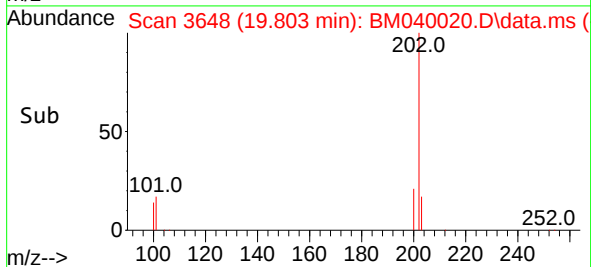
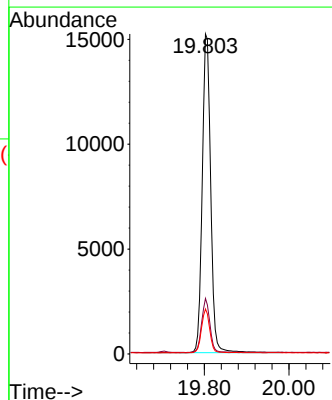
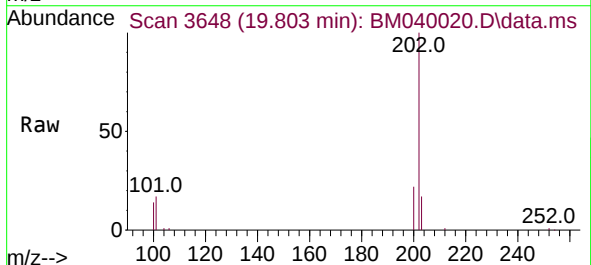
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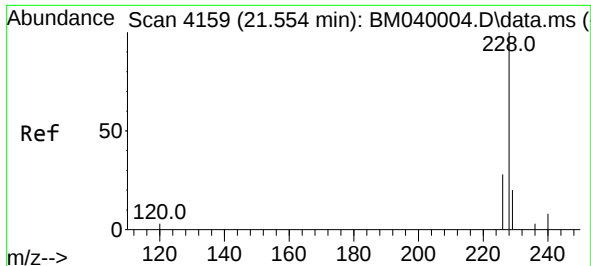
Tgt Ion:202 Resp: 21251
Ion Ratio Lower Upper
202 100
101 15.2 11.5 17.3
100 11.3 8.5 12.7



#20
Pyrene
Concen: 0.482 ng/ul
RT: 19.803 min Scan# 3648
Delta R.T. -0.005 min
Lab File: BM040020.D
Acq: 26 May 2023 02:07

Tgt Ion:202 Resp: 21001
Ion Ratio Lower Upper
202 100
101 17.3 13.3 19.9
100 14.0 10.9 16.3

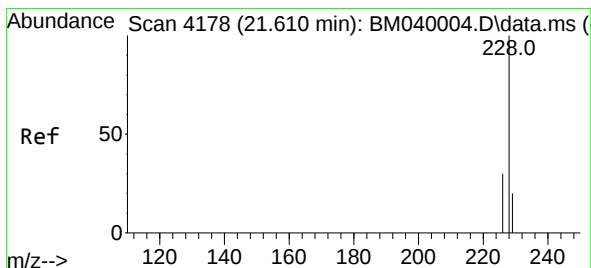
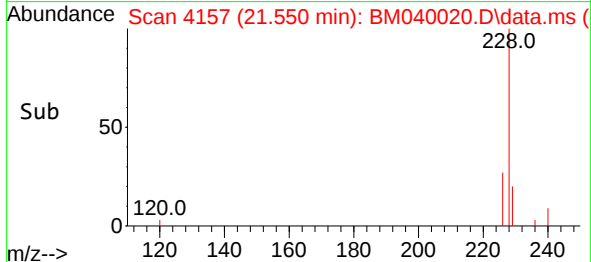
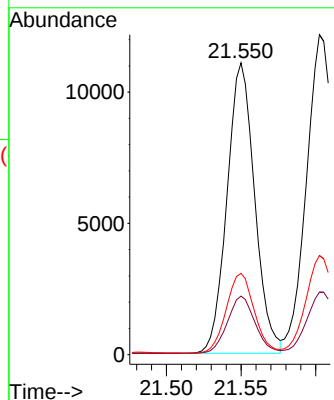
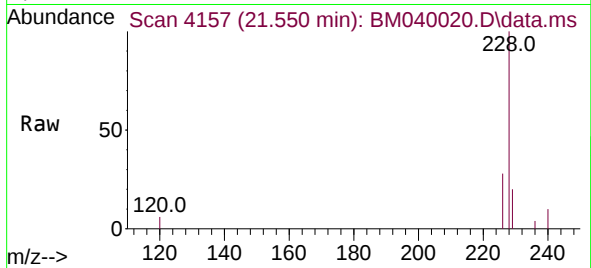




#21
Benzo(a)anthracene
Concen: 0.443 ng/ul
RT: 21.550 min Scan# 4157
Delta R.T. -0.006 min
Lab File: BM040020.D
Acq: 26 May 2023 02:07

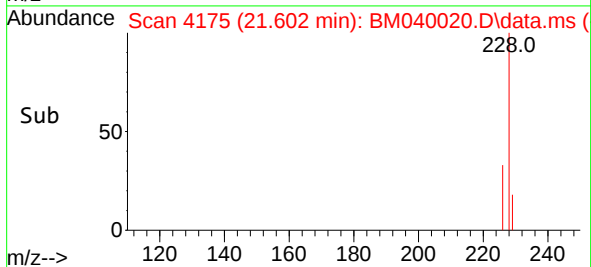
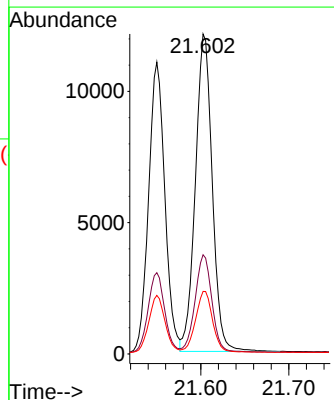
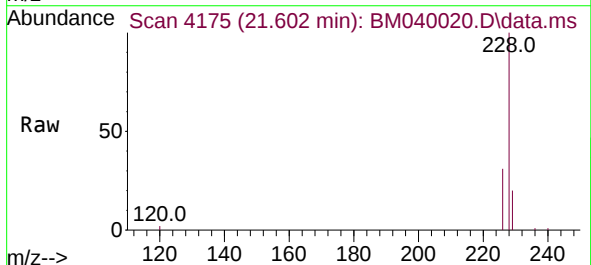
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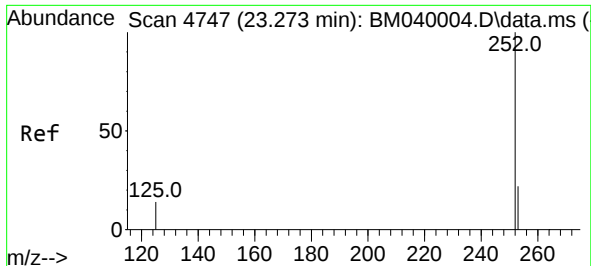
Tgt Ion:228 Resp: 14235
Ion Ratio Lower Upper
228 100
229 20.0 15.6 23.4
226 27.9 22.5 33.7



#22
Chrysene
Concen: 0.473 ng/ul
RT: 21.602 min Scan# 4175
Delta R.T. -0.009 min
Lab File: BM040020.D
Acq: 26 May 2023 02:07

Tgt Ion:228 Resp: 16154
Ion Ratio Lower Upper
228 100
226 31.0 24.6 36.8
229 19.5 15.6 23.4

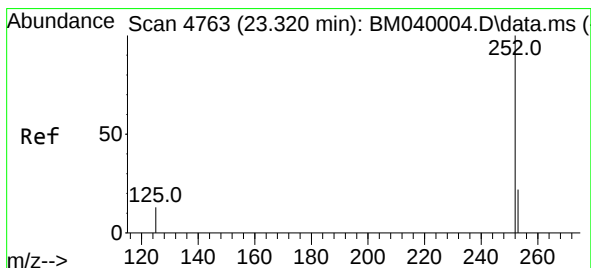
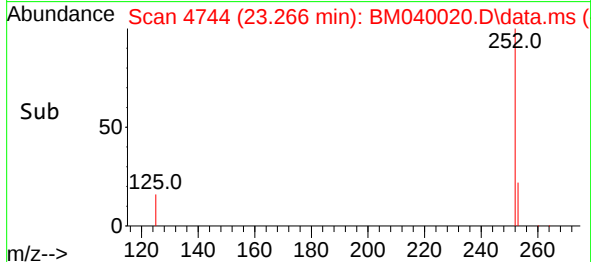
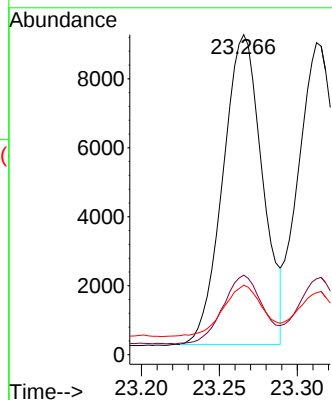
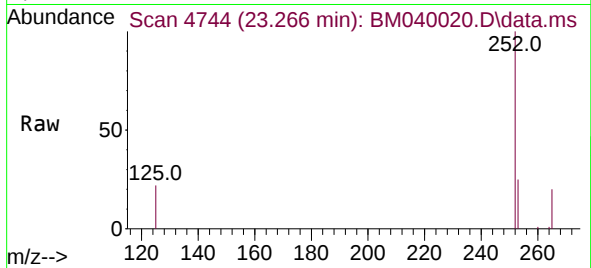




#24
Benzo(b)fluoranthene
Concen: 0.448 ng/ul
RT: 23.266 min Scan# 41
Delta R.T. -0.009 min
Lab File: BM040020.D
Acq: 26 May 2023 02:07

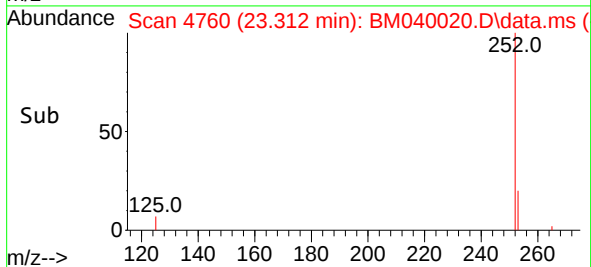
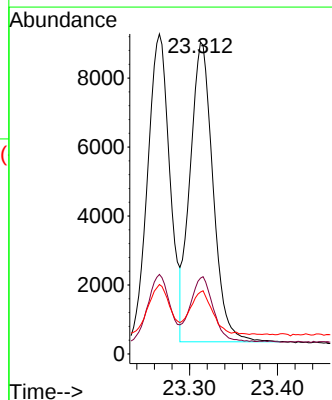
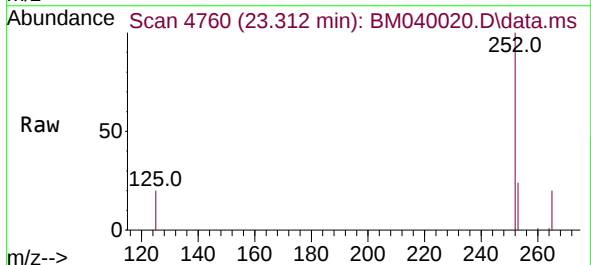
Instrument :
BNA_M
ClientSampleId :
SLCS980

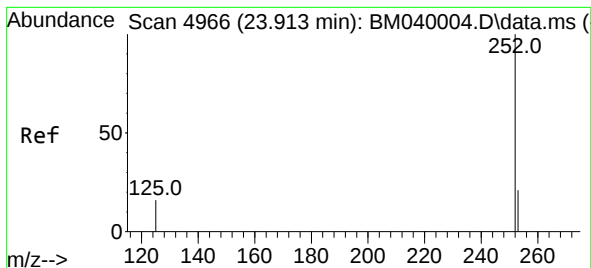
Tgt Ion:252 Resp: 15823
Ion Ratio Lower Upper
252 100
253 24.8 0.0 49.8
125 21.7 0.0 39.2



#25
Benzo(k)fluoranthene
Concen: 0.443 ng/ul
RT: 23.312 min Scan# 4760
Delta R.T. -0.012 min
Lab File: BM040020.D
Acq: 26 May 2023 02:07

Tgt Ion:252 Resp: 15770
Ion Ratio Lower Upper
252 100
253 24.3 19.7 29.5
125 19.9 15.0 22.4





#26

Benzo(a)pyrene

Concen: 0.440 ng/ul

RT: 23.906 min Scan# 4963

Delta R.T. -0.009 min

Lab File: BM040020.D

Acq: 26 May 2023 02:07

Instrument :

BNA_M

ClientSampleId :

SLCS980

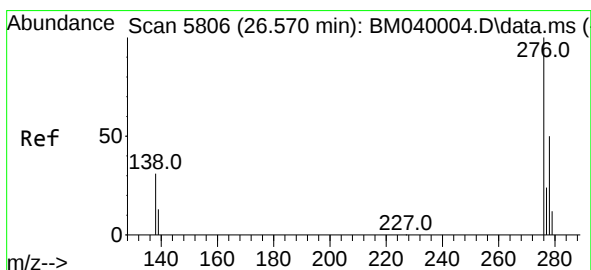
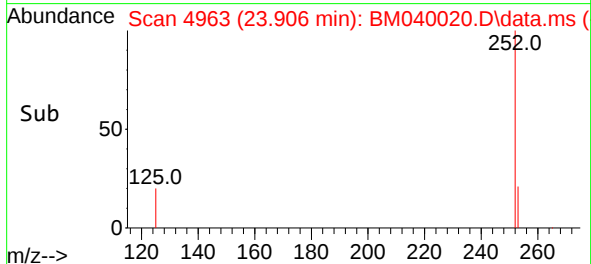
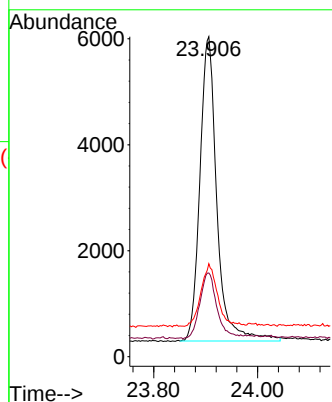
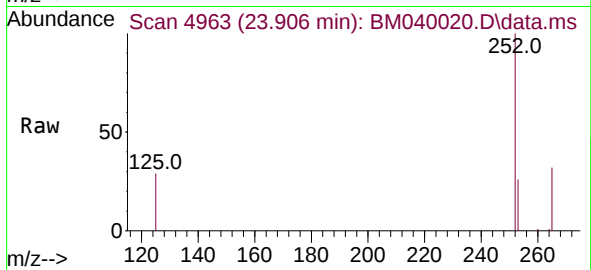
Tgt Ion:252 Resp: 13002

Ion Ratio Lower Upper

252 100

253 26.2 20.6 31.0

125 29.1 19.1 28.7#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.417 ng/ul

RT: 26.558 min Scan# 5802

Delta R.T. -0.013 min

Lab File: BM040020.D

Acq: 26 May 2023 02:07

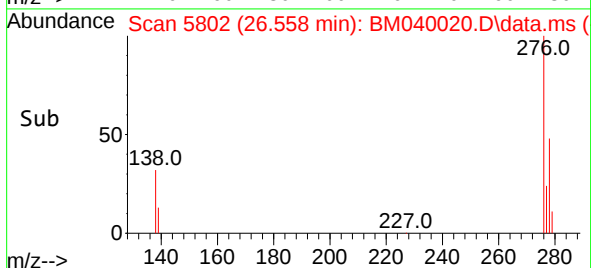
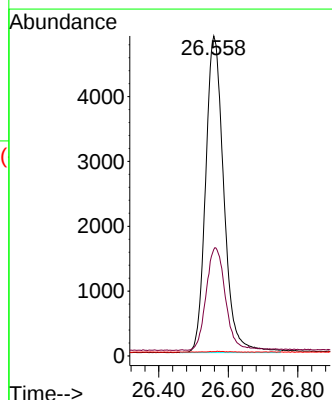
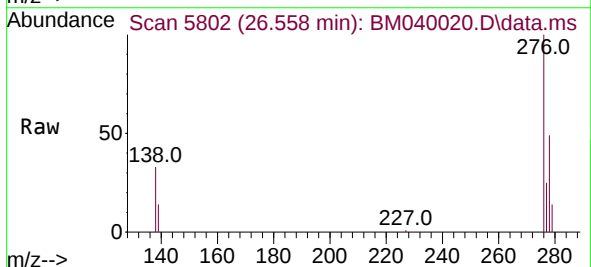
Tgt Ion:276 Resp: 17736

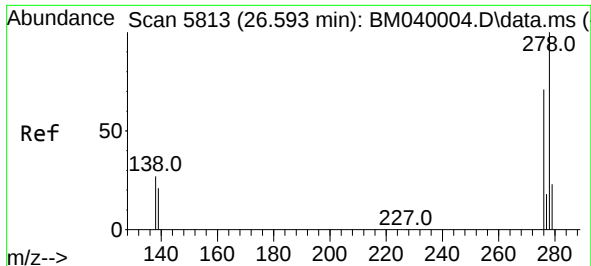
Ion Ratio Lower Upper

276 100

138 34.5 26.9 40.3

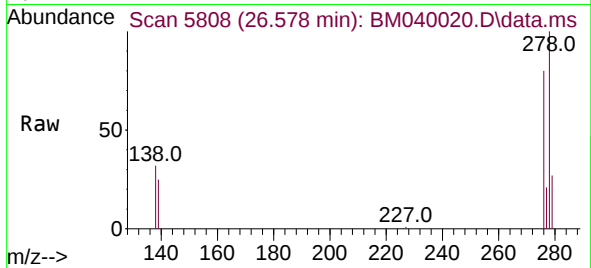
227 0.1 0.1 0.1#



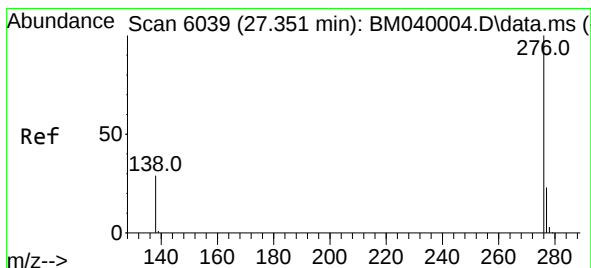
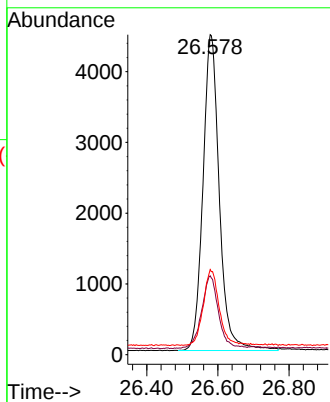
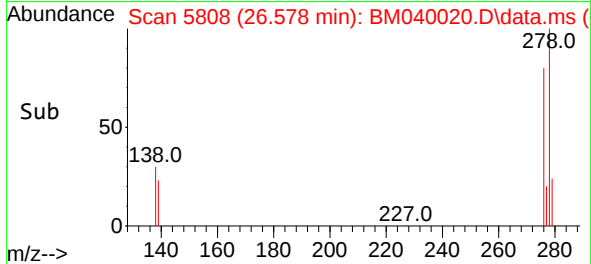


#28
Dibenzo(a,h)anthracene
Concen: 0.416 ng/ul
RT: 26.578 min Scan# 5813
Delta R.T. -0.017 min
Lab File: BM040020.D
Acq: 26 May 2023 02:07

Instrument :
BNA_M
ClientSampleId :
SLCS980



Tgt Ion:278 Resp: 14267
Ion Ratio Lower Upper
278 100
139 24.6 19.0 28.4
279 26.6 20.6 31.0



#29
Benzo(g,h,i)perylene
Concen: 0.415 ng/ul
RT: 27.339 min Scan# 6035
Delta R.T. -0.017 min
Lab File: BM040020.D
Acq: 26 May 2023 02:07

Tgt Ion:276 Resp: 14447
Ion Ratio Lower Upper
276 100
138 31.0 23.9 35.9
277 25.5 19.5 29.3

