

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071323\
 Data File : BM040852.D
 Acq On : 13 Jul 2023 16:42
 Operator : MA/JU
 Sample : PB153998BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS998

Quant Time: Jul 14 03:16:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 03:14:53 2023
 Response via : Initial Calibration

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

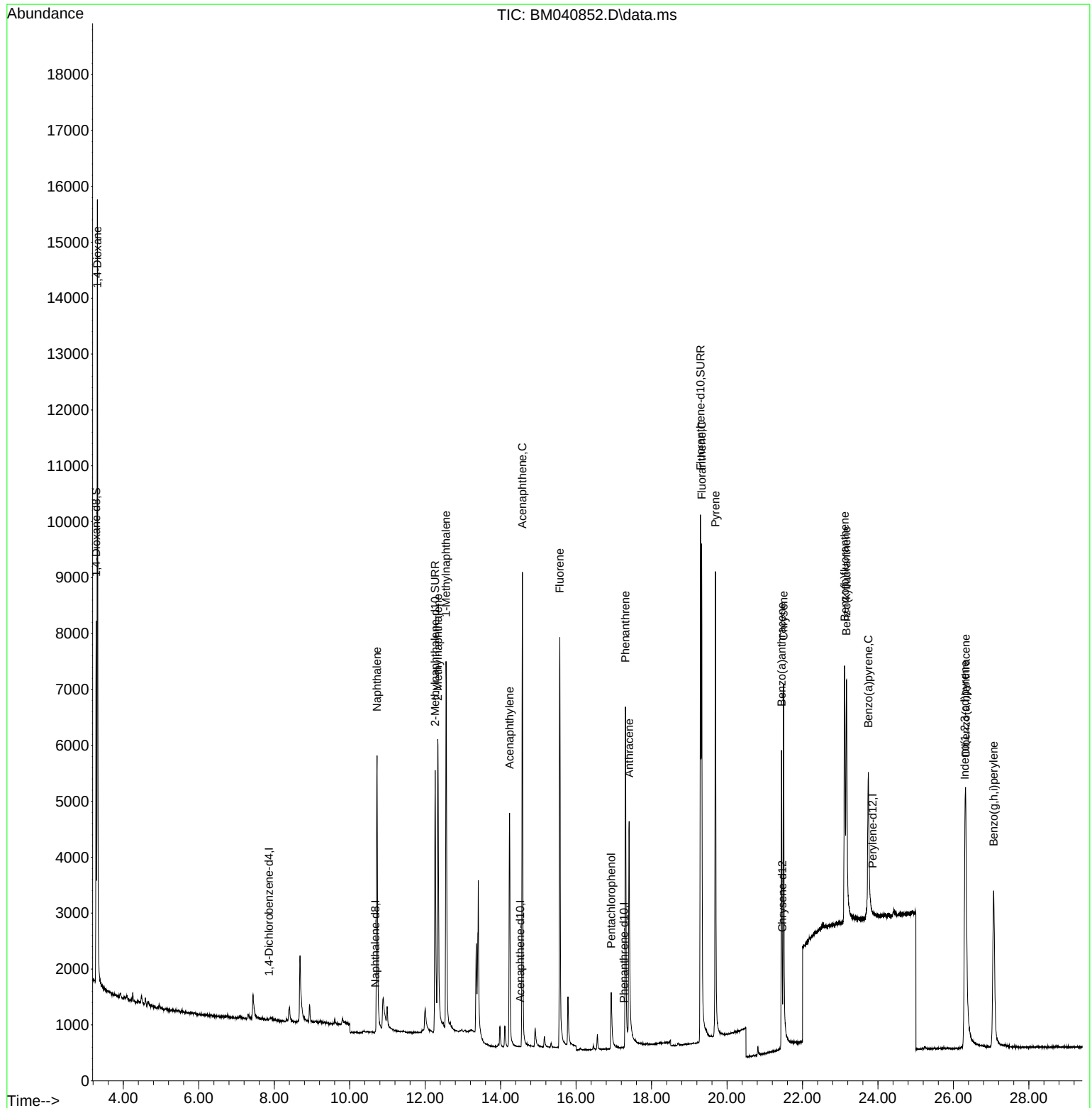
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	12	0.400	ng/ul	#-0.01
4) Naphthalene-d8	10.680	136	19	0.400	ng/ul	# 0.01
9) Acenaphthene-d10	14.523	164	4	0.400	ng/ul	# 0.00
13) Phenanthrene-d10	17.269	188	16	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.466	240	12	0.400	ng/ul	# 0.00
23) Perylene-d12	23.860	264	5	0.400	ng/ul	# 0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.280	96	3433	182.126	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.264	152	7968	299.147	ng/ul	0.00
18) Fluoranthene-d10	19.296	212	11770	305.950	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.313	88	8201	427.431	ng/ul	87
5) Naphthalene	10.724	128	8808	168.074	ng/ul	99
7) 2-Methylnaphthalene	12.341	142	4870	158.228	ng/ul	98
8) 1-Methylnaphthalene	12.555	142	5225	169.864	ng/ul	98
10) Acenaphthylene	14.236	152	5810	325.148	ng/ul	97
11) Acenaphthene	14.578	153	5251	347.977	ng/ul	99
12) Fluorene	15.568	166	5503	341.607	ng/ul	99
14) Pentachlorophenol	16.932	266	1047	339.850	ng/ul	91
15) Phenanthrene	17.307	178	7651	153.945	ng/ul	98
16) Anthracene	17.405	178	6037	144.549	ng/ul	97
19) Fluoranthene	19.329	202	7868	154.354	ng/ul	99
20) Pyrene	19.691	202	8126	148.695	ng/ul	98
21) Benzo(a)anthracene	21.445	228	5468	134.713	ng/ul	98
22) Chrysene	21.498	228	6657	143.775	ng/ul	99
24) Benzo(b)fluoranthene	23.117	252	6154	318.037	ng/ul	93
25) Benzo(k)fluoranthene	23.167	252	6619	347.093	ng/ul#	92
26) Benzo(a)pyrene	23.746	252	5481	314.458	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	26.303	276	7801	321.366	ng/ul#	95
28) Dibenzo(a,h)anthracene	26.327	278	6250	328.841	ng/ul#	94
29) Benzo(g,h,i)perylene	27.068	276	6993	328.676	ng/ul	99

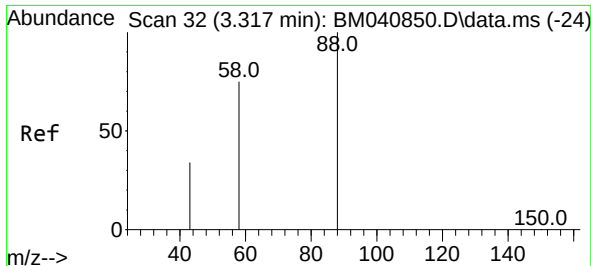
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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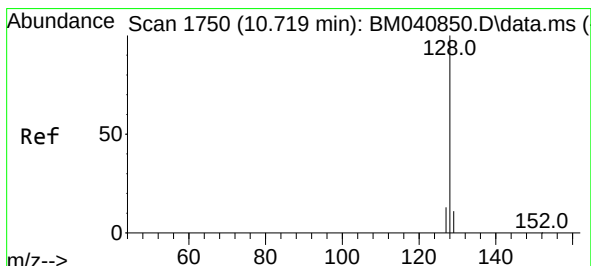
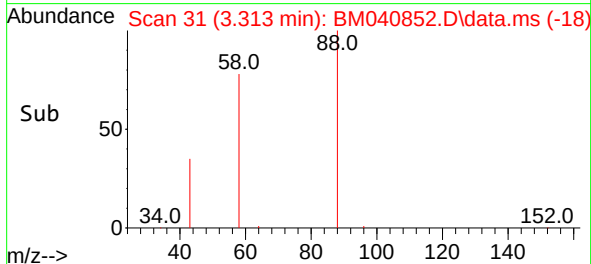
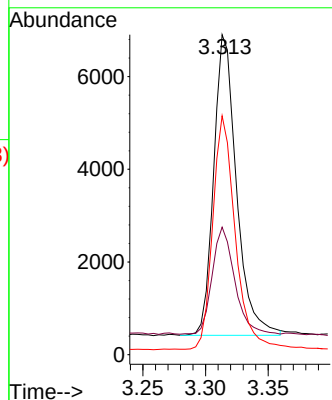
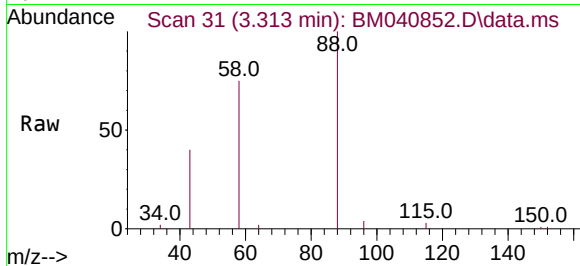




#2
1,4-Dioxane
Concen: 427.431 ng/ul
RT: 3.313 min Scan# 31
Delta R.T. -0.004 min
Lab File: BM040852.D
Acq: 13 Jul 2023 16:42

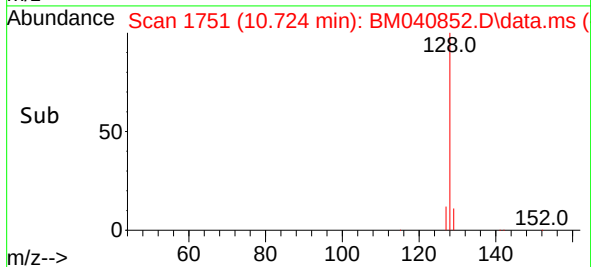
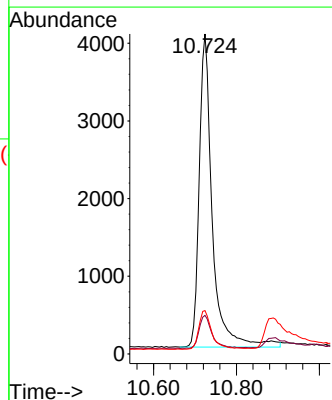
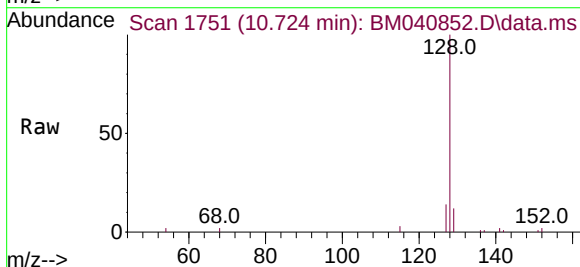
Instrument :
BNA_M
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SLCS998

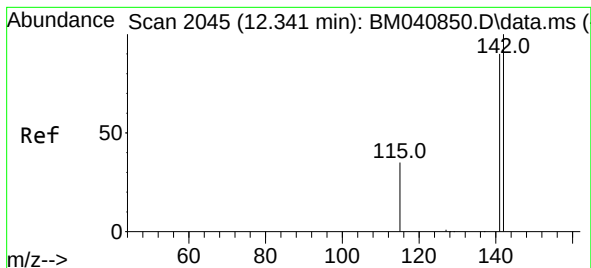
Tgt Ion: 88 Resp: 8201
Ion Ratio Lower Upper
88 100
43 39.9 36.1 54.1
58 74.7 49.8 74.8



#5
Naphthalene
Concen: 168.074 ng/ul
RT: 10.724 min Scan# 1751
Delta R.T. 0.005 min
Lab File: BM040852.D
Acq: 13 Jul 2023 16:42

Tgt Ion: 128 Resp: 8808
Ion Ratio Lower Upper
128 100
129 12.0 9.2 13.8
127 13.5 10.6 15.8

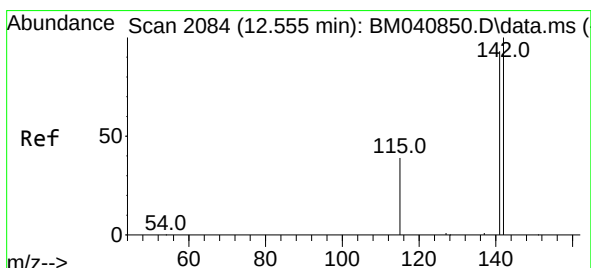
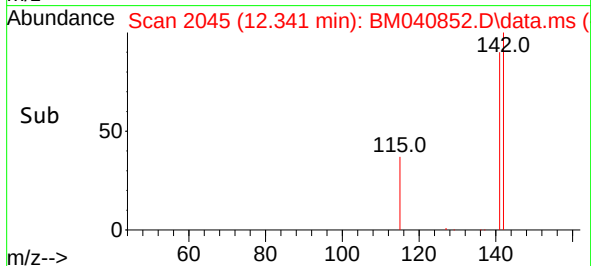
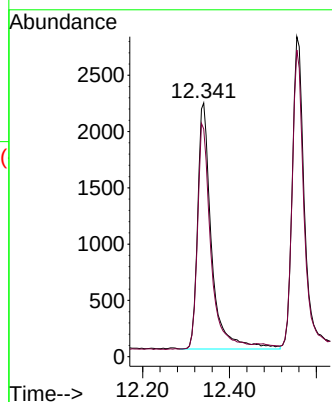
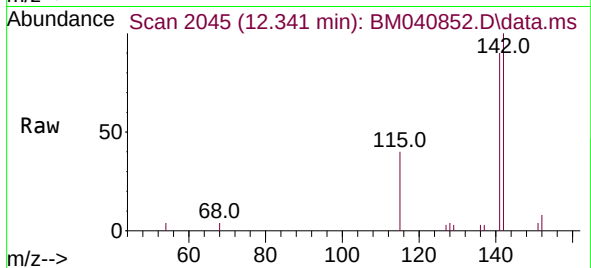




#7
2-Methylnaphthalene
Concen: 158.228 ng/ul
RT: 12.341 min Scan# 2045
Delta R.T. 0.000 min
Lab File: BM040852.D
Acq: 13 Jul 2023 16:42

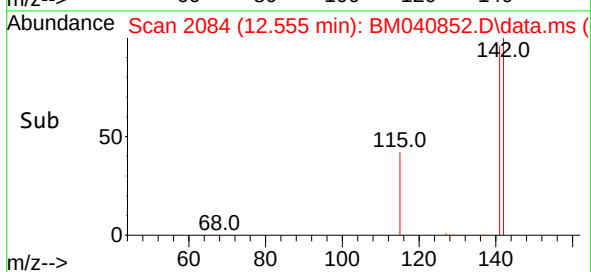
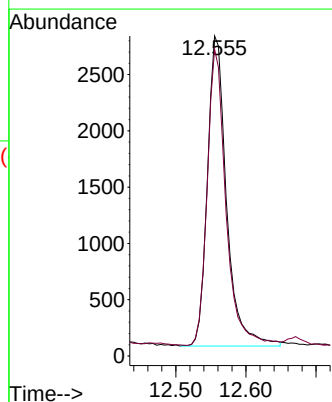
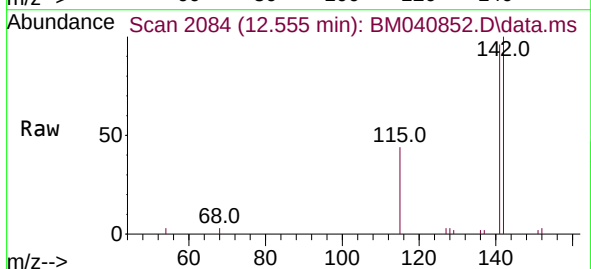
Instrument :
BNA_M
ClientSampleId :
SLCS998

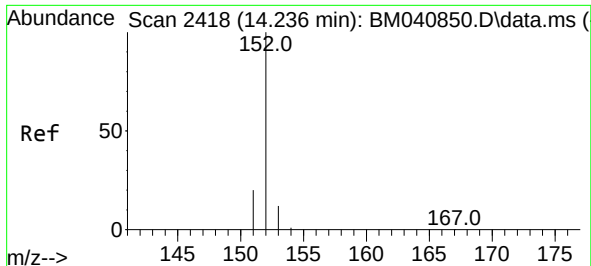
Tgt Ion:142 Resp: 4870
Ion Ratio Lower Upper
142 100
141 91.4 71.9 107.9



#8
1-Methylnaphthalene
Concen: 169.864 ng/ul
RT: 12.555 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM040852.D
Acq: 13 Jul 2023 16:42

Tgt Ion:142 Resp: 5225
Ion Ratio Lower Upper
142 100
141 93.6 73.7 110.5

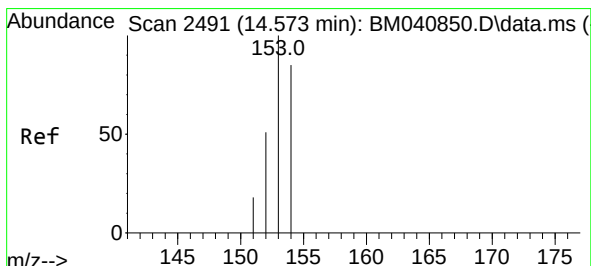
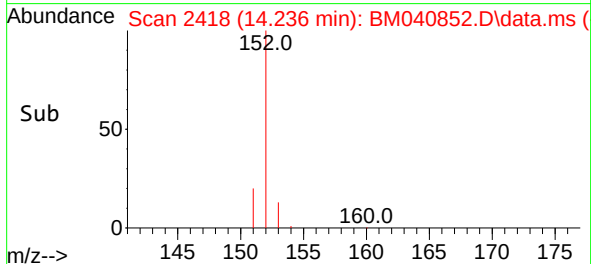
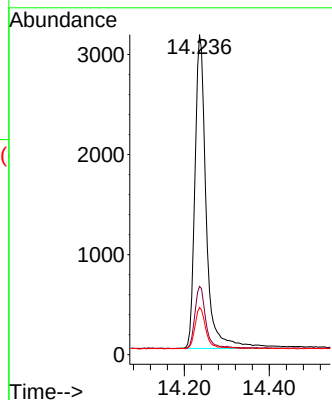
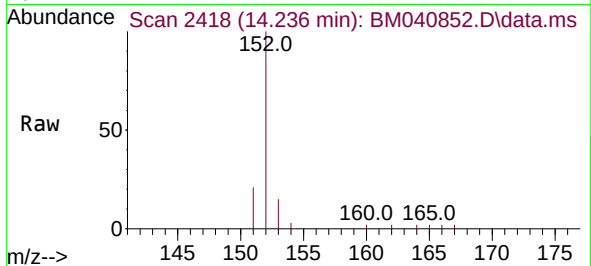




#10
Acenaphthylene
Concen: 325.148 ng/ul
RT: 14.236 min Scan# 2418
Delta R.T. -0.000 min
Lab File: BM040852.D
Acq: 13 Jul 2023 16:42

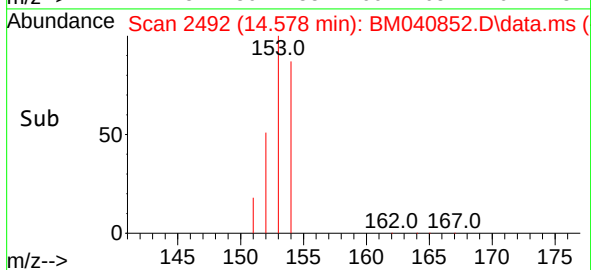
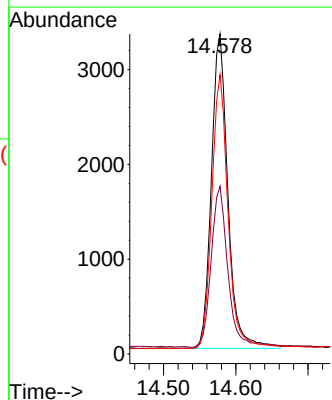
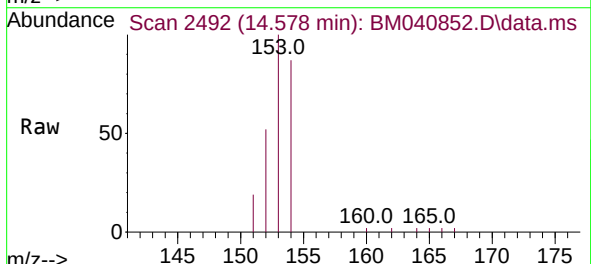
Instrument :
BNA_M
ClientSampleId :
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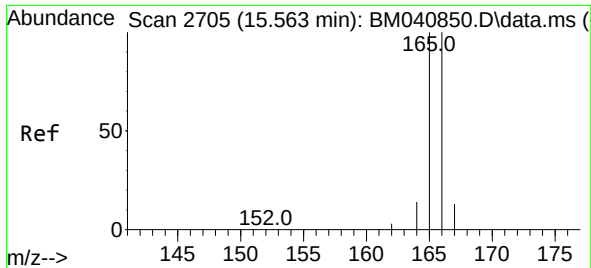
Tgt Ion:152 Resp: 5810
Ion Ratio Lower Upper
152 100
151 21.3 16.2 24.2
153 14.8 10.9 16.3



#11
Acenaphthene
Concen: 347.977 ng/ul
RT: 14.578 min Scan# 2492
Delta R.T. 0.005 min
Lab File: BM040852.D
Acq: 13 Jul 2023 16:42

Tgt Ion:153 Resp: 5251
Ion Ratio Lower Upper
153 100
152 52.4 41.0 61.4
154 87.3 70.8 106.2

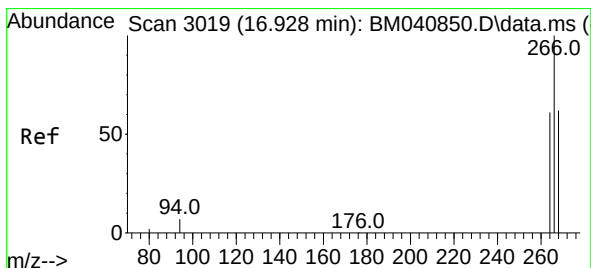
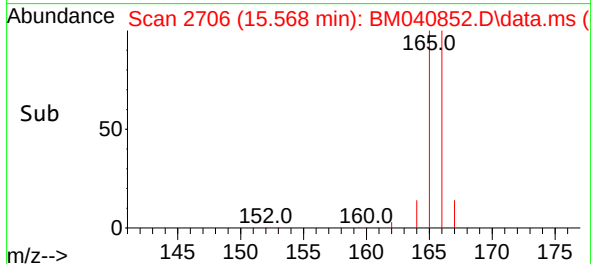
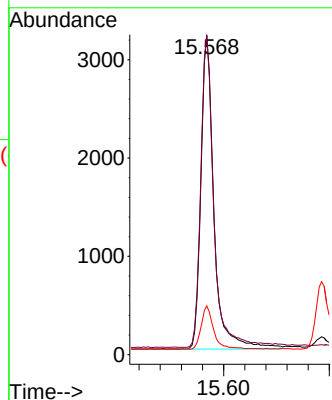
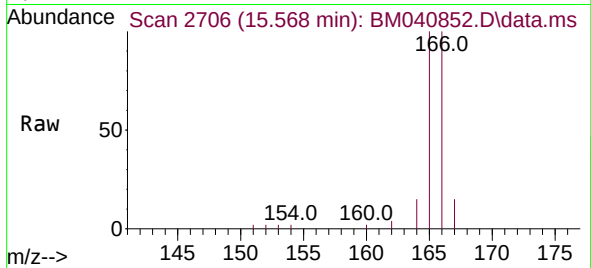




#12
Fluorene
Concen: 341.607 ng/ul
RT: 15.568 min Scan# 21
Delta R.T. 0.005 min
Lab File: BM040852.D
Acq: 13 Jul 2023 16:42

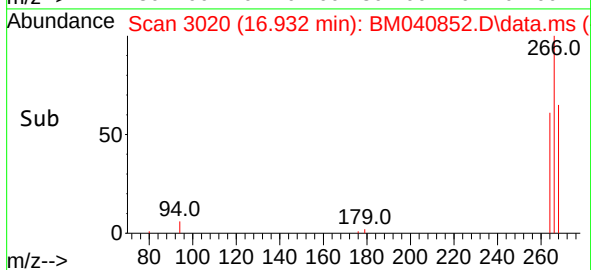
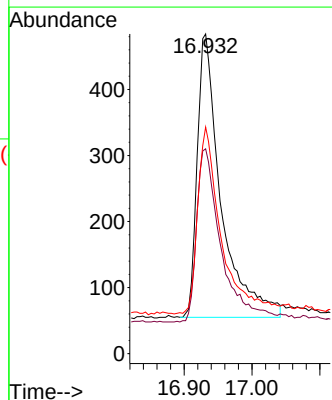
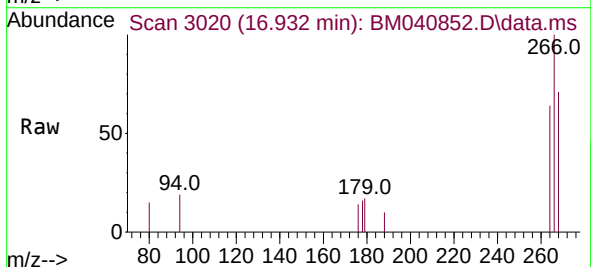
Instrument :
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ClientSampleId :
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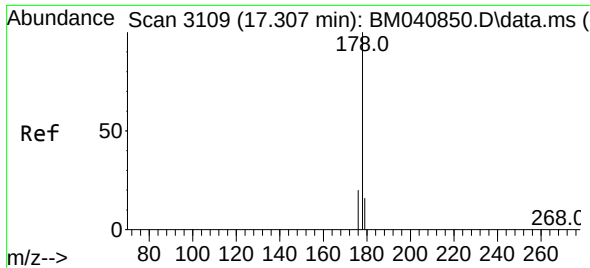
Tgt Ion:	166	Resp:	5503
Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.6	119.4
167	15.3	11.4	17.0



#14
Pentachlorophenol
Concen: 339.850 ng/ul
RT: 16.932 min Scan# 3020
Delta R.T. 0.004 min
Lab File: BM040852.D
Acq: 13 Jul 2023 16:42

Tgt Ion:	266	Resp:	1047
Ion	Ratio	Lower	Upper
266	100		
264	63.8	45.4	68.0
268	65.4	47.2	70.8

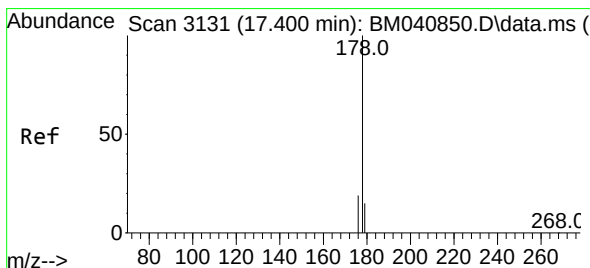
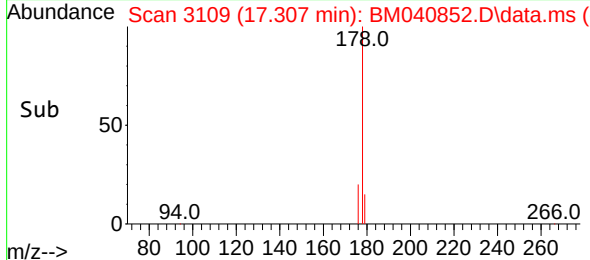
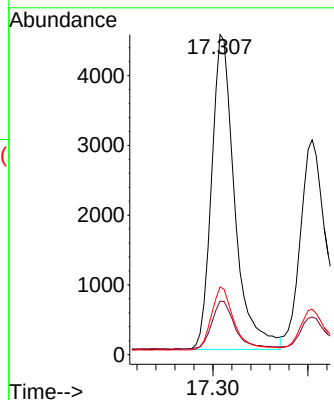
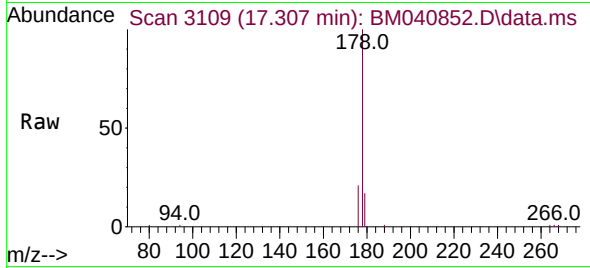




#15
Phenanthrene
Concen: 153.945 ng/ul
RT: 17.307 min Scan# 3109
Delta R.T. -0.000 min
Lab File: BM040852.D
Acq: 13 Jul 2023 16:42

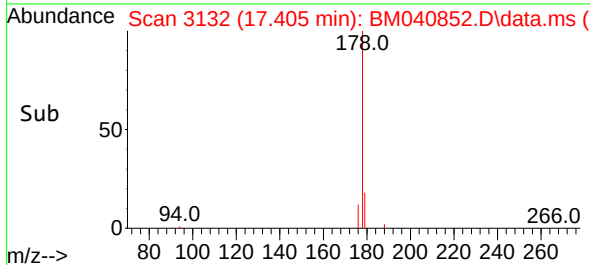
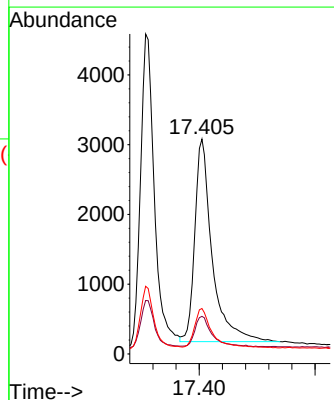
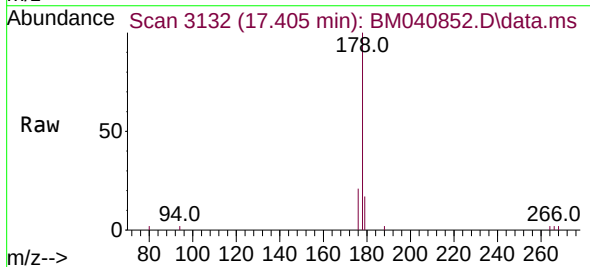
Instrument :
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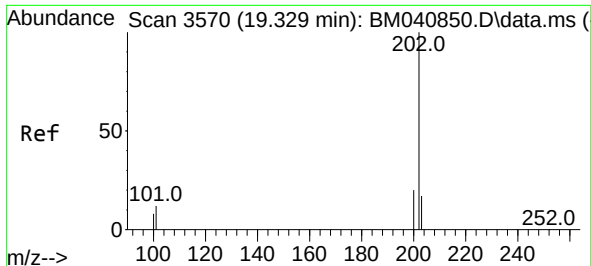
Tgt Ion:	178	Resp:	7651
Ion Ratio	Lower	Upper	
178	100		
179	16.7	12.8	19.2
176	21.2	16.4	24.6



#16
Anthracene
Concen: 144.549 ng/ul
RT: 17.405 min Scan# 3132
Delta R.T. 0.004 min
Lab File: BM040852.D
Acq: 13 Jul 2023 16:42

Tgt Ion:	178	Resp:	6037
Ion Ratio	Lower	Upper	
178	100		
179	17.5	12.9	19.3
176	21.1	15.8	23.6

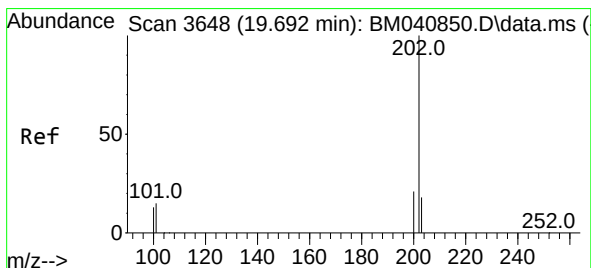
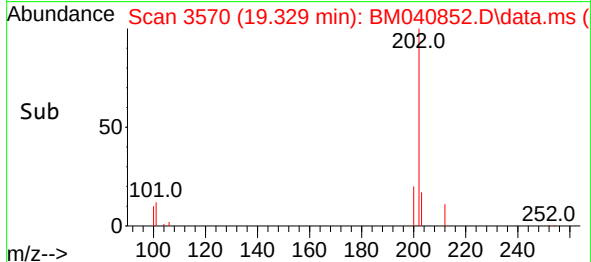
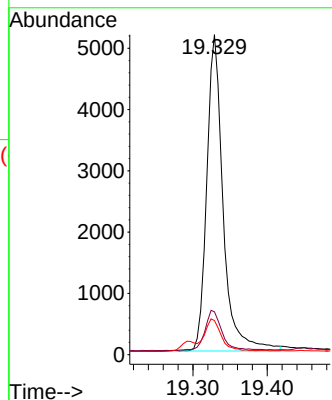
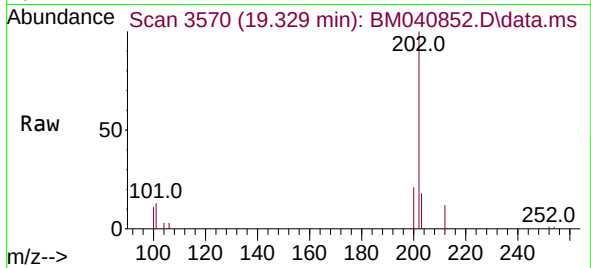




#19
Fluoranthene
Concen: 154.354 ng/ul
RT: 19.329 min Scan# 3570
Delta R.T. -0.000 min
Lab File: BM040852.D
Acq: 13 Jul 2023 16:42

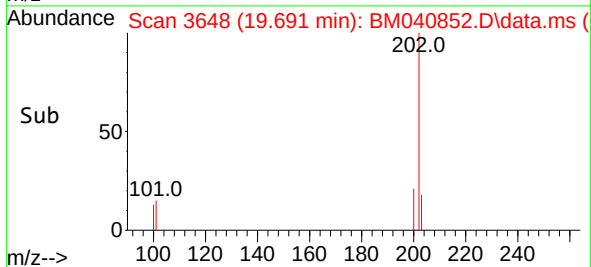
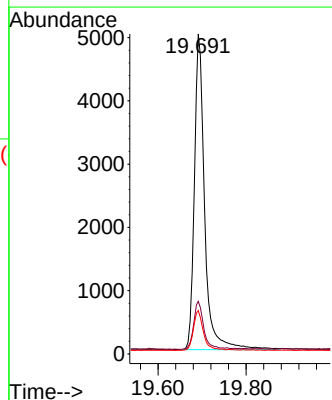
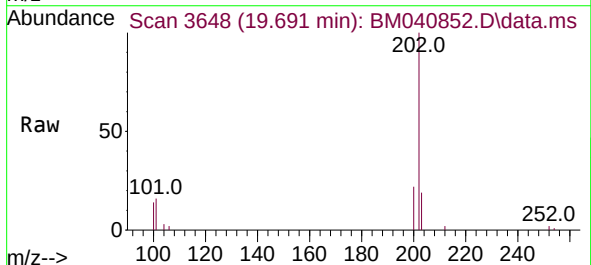
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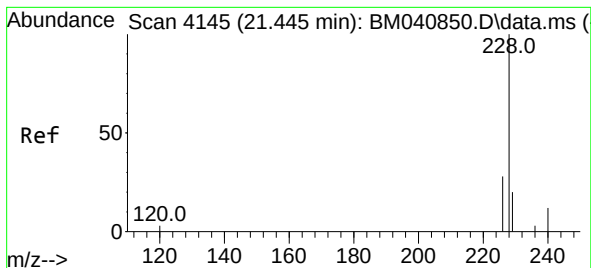
Tgt Ion:202 Resp: 7868
Ion Ratio Lower Upper
202 100
101 13.4 11.4 17.0
100 10.6 8.7 13.1



#20
Pyrene
Concen: 148.695 ng/ul
RT: 19.691 min Scan# 3648
Delta R.T. -0.000 min
Lab File: BM040852.D
Acq: 13 Jul 2023 16:42

Tgt Ion:202 Resp: 8126
Ion Ratio Lower Upper
202 100
101 16.4 12.6 18.8
100 13.5 9.8 14.6





#21

Benzo(a)anthracene

Concen: 134.713 ng/ul

RT: 21.445 min Scan# 4145

Delta R.T. 0.000 min

Lab File: BM040852.D

Acq: 13 Jul 2023 16:42

Instrument :

BNA_M

ClientSampleId :

SLCS998

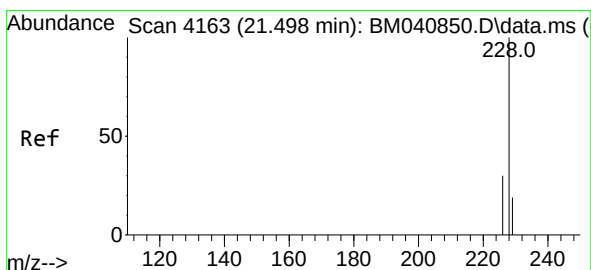
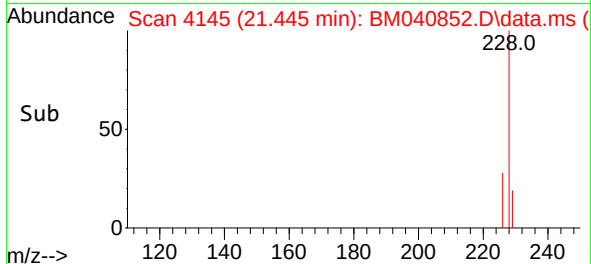
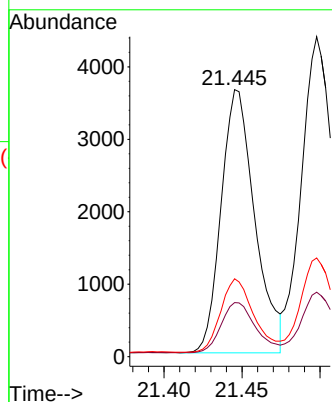
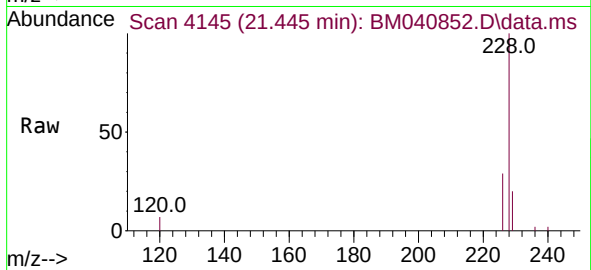
Tgt Ion:228 Resp: 5468

Ion Ratio Lower Upper

228 100

229 20.2 16.0 24.0

226 29.2 22.3 33.5



#22

Chrysene

Concen: 143.775 ng/ul

RT: 21.498 min Scan# 4163

Delta R.T. -0.000 min

Lab File: BM040852.D

Acq: 13 Jul 2023 16:42

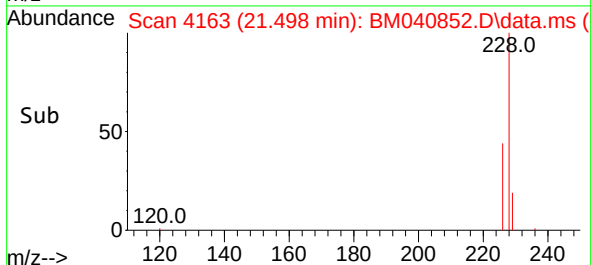
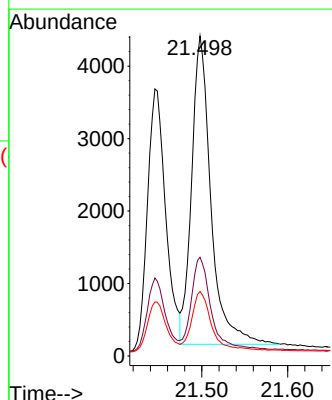
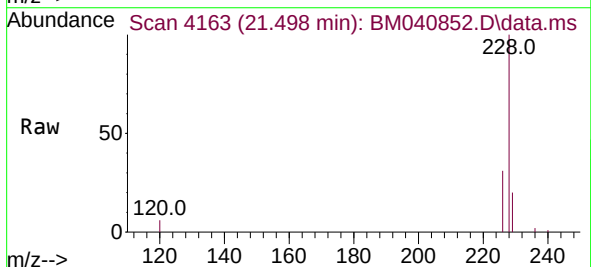
Tgt Ion:228 Resp: 6657

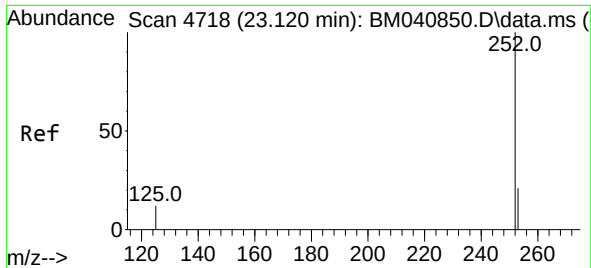
Ion Ratio Lower Upper

228 100

226 30.9 24.9 37.3

229 20.1 15.8 23.6

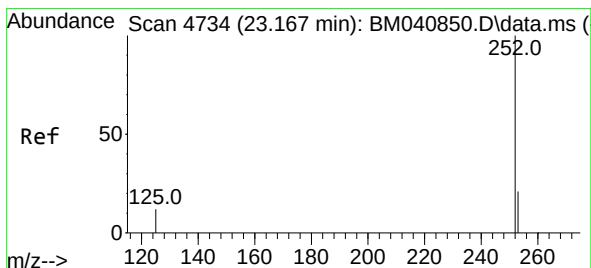
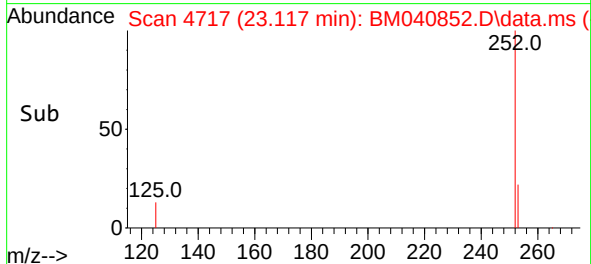
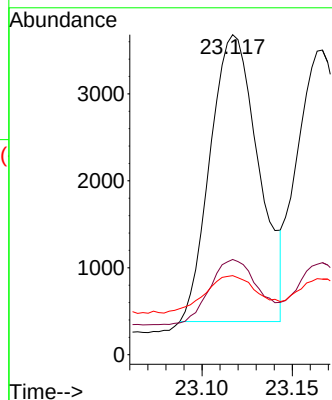
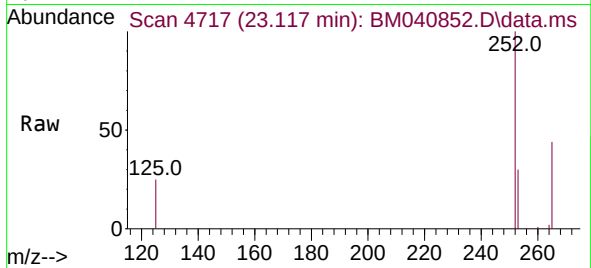




#24
Benzo(b)fluoranthene
Concen: 318.037 ng/ul
RT: 23.117 min Scan# 4717
Delta R.T. -0.003 min
Lab File: BM040852.D
Acq: 13 Jul 2023 16:42

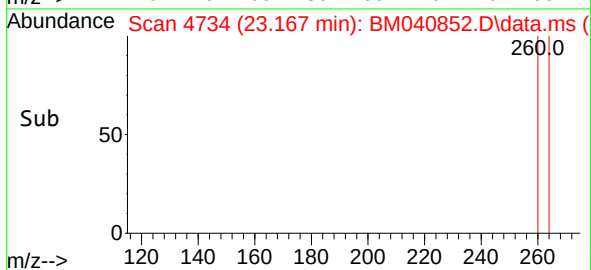
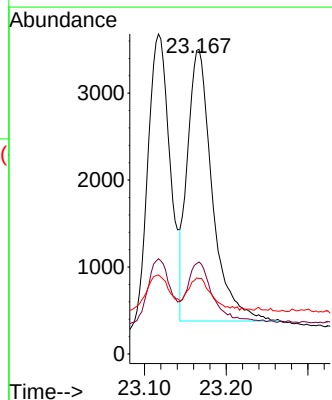
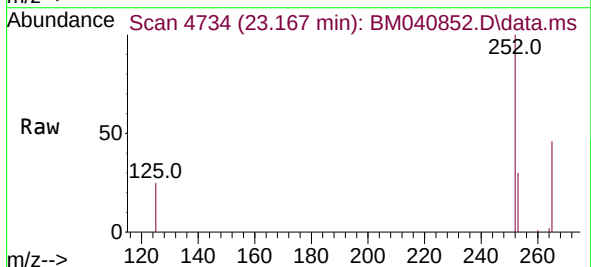
Instrument :
BNA_M
ClientSampleId :
SLCS998

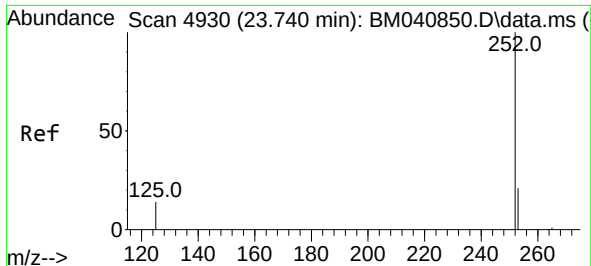
Tgt Ion:252	Resp:	6154
Ion Ratio	Lower	Upper
252	100	
253	29.8	0.0 52.8
125	24.7	0.0 43.0



#25
Benzo(k)fluoranthene
Concen: 347.093 ng/ul
RT: 23.167 min Scan# 4734
Delta R.T. 0.000 min
Lab File: BM040852.D
Acq: 13 Jul 2023 16:42

Tgt Ion:252	Resp:	6619
Ion Ratio	Lower	Upper
252	100	
253	30.2	21.2 31.8
125	24.8	16.4 24.6

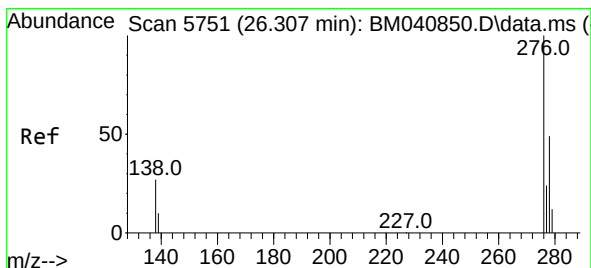
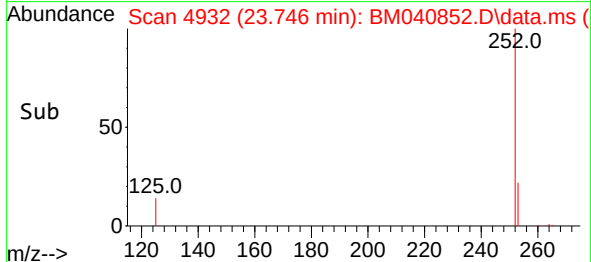
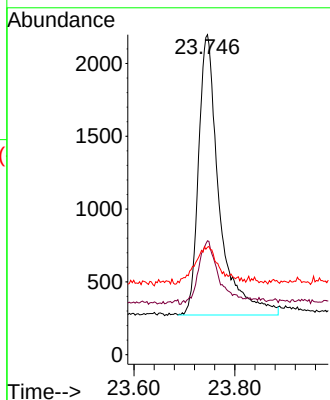
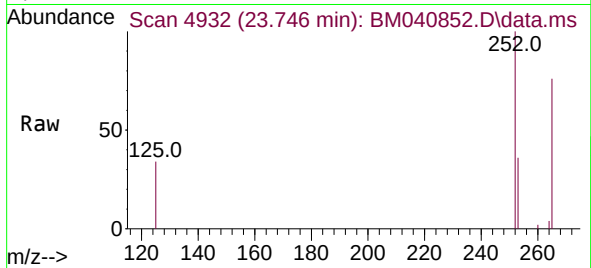




#26
Benzo(a)pyrene
Concen: 314.458 ng/ul
RT: 23.746 min Scan# 4930
Delta R.T. 0.006 min
Lab File: BM040852.D
Acq: 13 Jul 2023 16:42

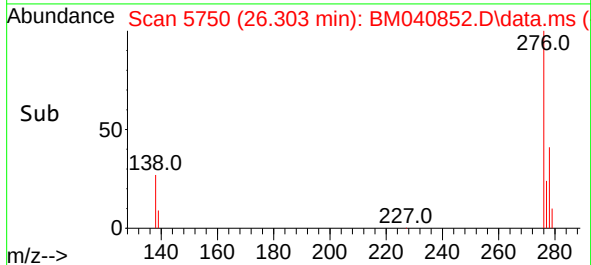
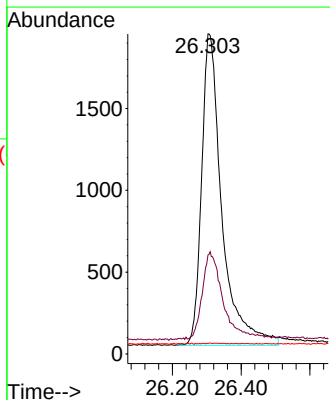
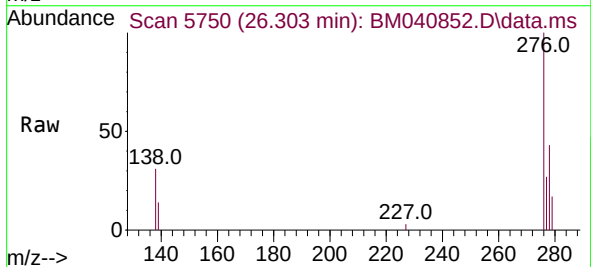
Instrument :
BNA_M
ClientSampleId :
SLCS998

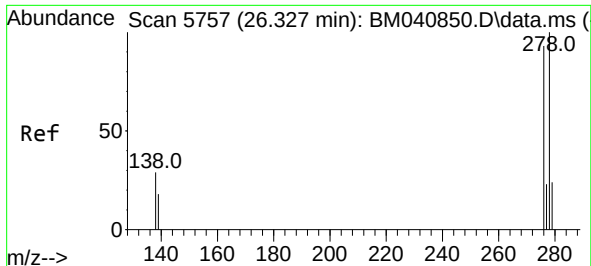
Tgt Ion:252 Resp: 5481
Ion Ratio Lower Upper
252 100
253 35.6 22.9 34.3#
125 33.6 21.0 31.4#



#27
Indeno(1,2,3-cd)pyrene
Concen: 321.366 ng/ul
RT: 26.303 min Scan# 5750
Delta R.T. -0.004 min
Lab File: BM040852.D
Acq: 13 Jul 2023 16:42

Tgt Ion:276 Resp: 7801
Ion Ratio Lower Upper
276 100
138 28.1 24.5 36.7
227 0.1 0.1 0.1#

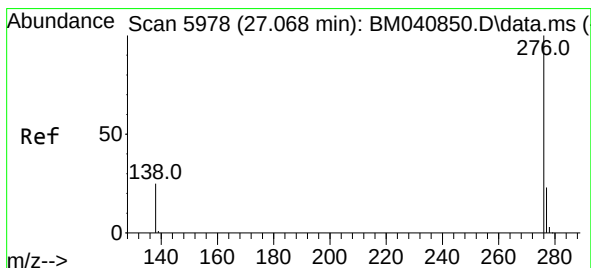
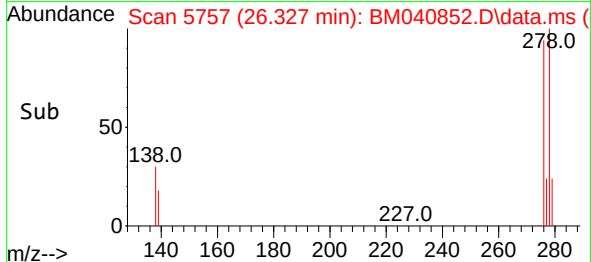
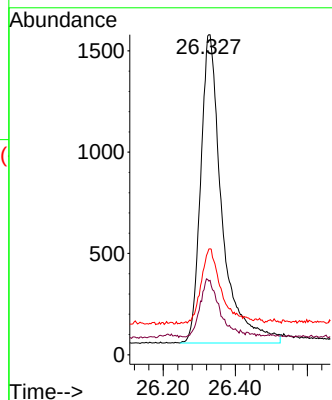
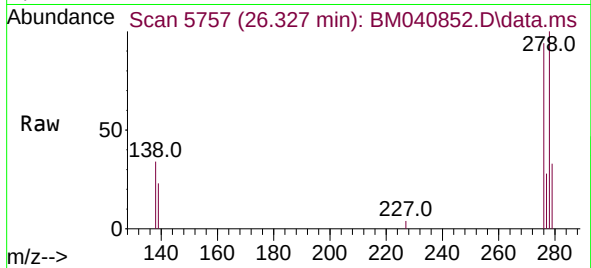




#28
Dibenzo(a,h)anthracene
Concen: 328.841 ng/ul
RT: 26.327 min Scan# 51
Delta R.T. -0.000 min
Lab File: BM040852.D
Acq: 13 Jul 2023 16:42

Instrument :
BNA_M
ClientSampleId :
SLCS998

Tgt Ion:278 Resp: 6250
Ion Ratio Lower Upper
278 100
139 23.0 17.9 26.9
279 33.0 22.0 33.0#



#29
Benzo(g,h,i)perylene
Concen: 328.676 ng/ul
RT: 27.068 min Scan# 5978
Delta R.T. -0.000 min
Lab File: BM040852.D
Acq: 13 Jul 2023 16:42

Tgt Ion:276 Resp: 6993
Ion Ratio Lower Upper
276 100
138 28.9 23.0 34.6
277 26.8 20.3 30.5

