

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052523\
 Data File : BM039998.D
 Acq On : 25 May 2023 12:36
 Operator : CG/JU
 Sample : SSTD0.472
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4003

Quant Time: May 25 13:37:49 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 13:35:21 2023
 Response via : Initial Calibration

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

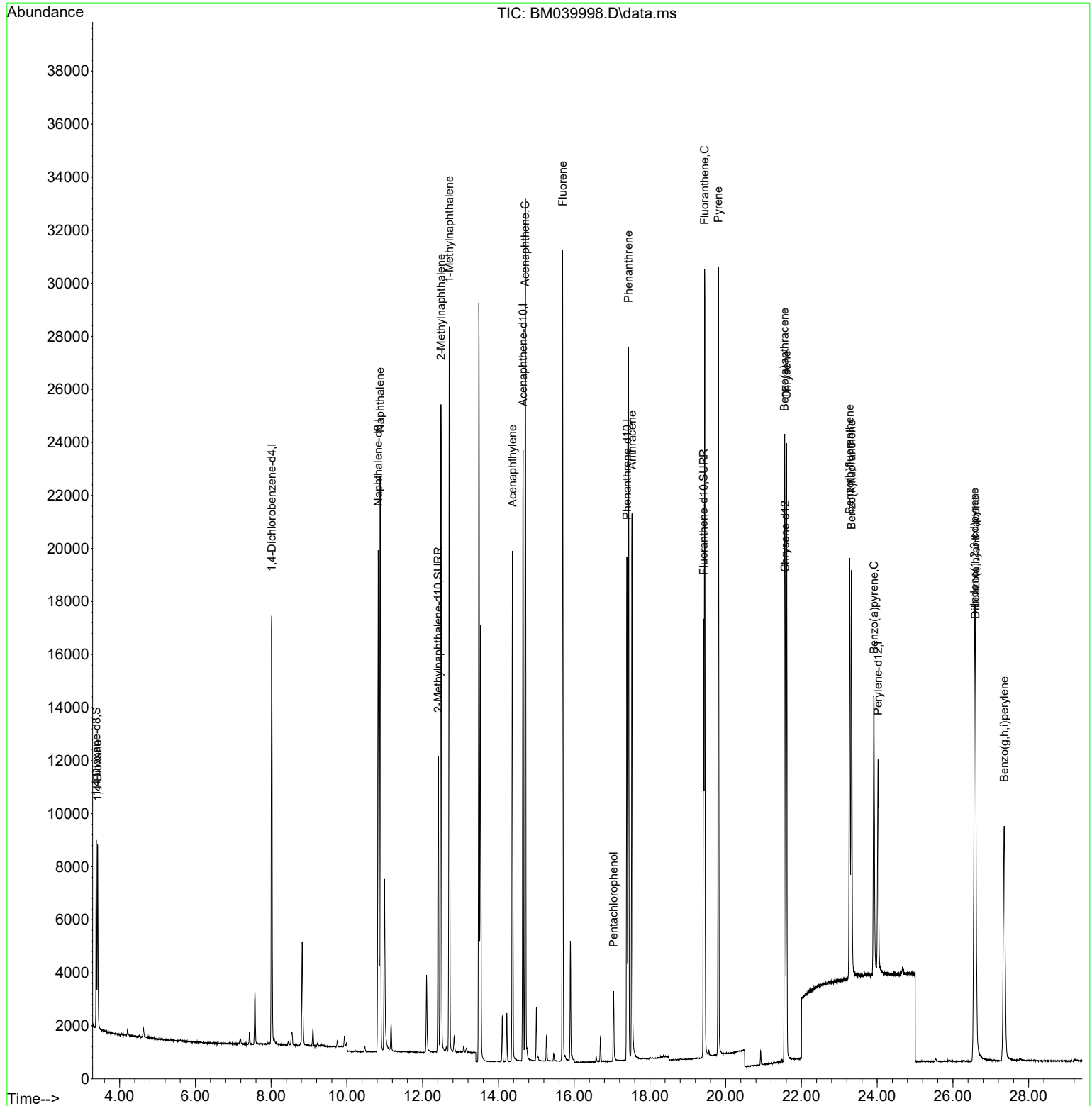
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.016	152	8181	0.400	ng/ul	0.00
4) Naphthalene-d8	10.828	136	25631	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.651	164	11946	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.396	188	21447	0.400	ng/ul	0.00
17) Chrysene-d12	21.573	240	11428	0.400	ng/ul	0.00
23) Perylene-d12	24.023	264	11450	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.384	96	4393	0.409	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.411	152	14500	0.491	ng/ul	0.00
18) Fluoranthene-d10	19.417	212	16520	0.449	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.422	88	4626	0.401	ng/ul	100
5) Naphthalene	10.877	128	28976	0.439	ng/ul	100
7) 2-Methylnaphthalene	12.483	142	17506	0.470	ng/ul	100
8) 1-Methylnaphthalene	12.703	142	18125	0.466	ng/ul	100
10) Acenaphthylene	14.369	152	22040	0.448	ng/ul	100
11) Acenaphthene	14.711	153	18207	0.451	ng/ul	100
12) Fluorene	15.697	166	19008	0.466	ng/ul	100
14) Pentachlorophenol	17.041	266	1853	0.418	ng/ul	100
15) Phenanthrene	17.434	178	27883	0.456	ng/ul	100
16) Anthracene	17.526	178	22867	0.457	ng/ul	100
19) Fluoranthene	19.445	202	24622	0.449	ng/ul	100
20) Pyrene	19.807	202	24537	0.452	ng/ul	100
21) Benzo(a)anthracene	21.556	228	18275	0.512	ng/ul	100
22) Chrysene	21.611	228	19548	0.471	ng/ul	100
24) Benzo(b)fluoranthene	23.274	252	20543	0.453	ng/ul	100
25) Benzo(k)fluoranthene	23.324	252	20685	0.440	ng/ul	100
26) Benzo(a)pyrene	23.915	252	17068	0.465	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	26.571	276	23837	0.477	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.595	278	19311	0.481	ng/ul	100
29) Benzo(g,h,i)perylene	27.356	276	19868	0.464	ng/ul	100

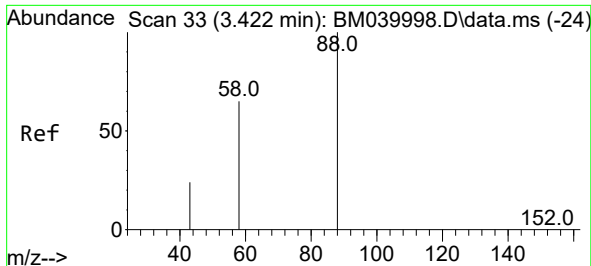
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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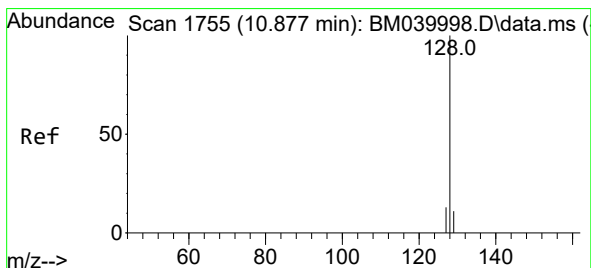
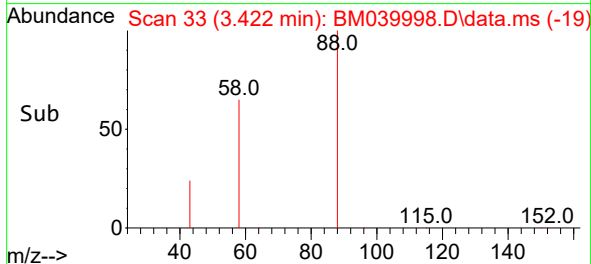
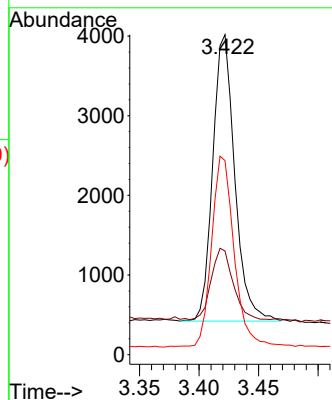
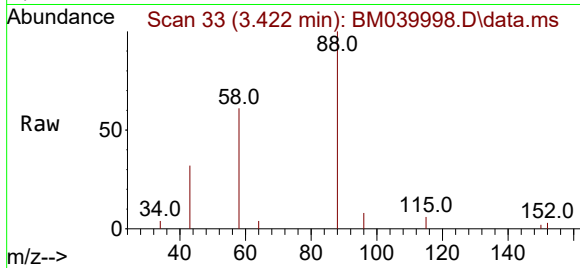




#2
1,4-Dioxane
Concen: 0.401 ng/ul
RT: 3.422 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM039998.D
Acq: 25 May 2023 12:36

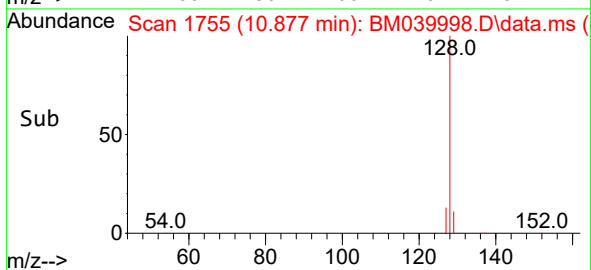
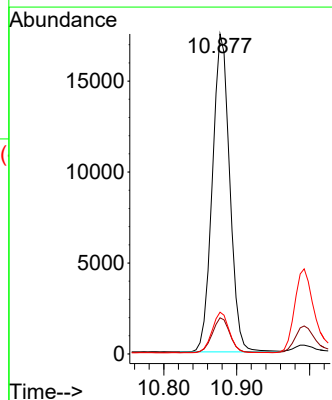
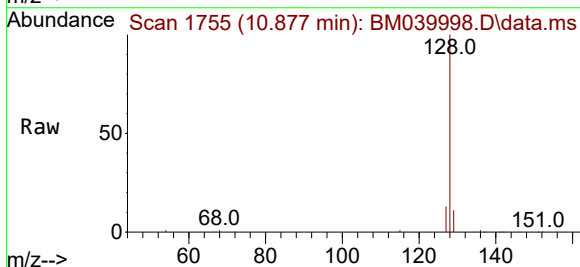
Instrument :
BNA_M
ClientSampleId :
SSTD0.4003

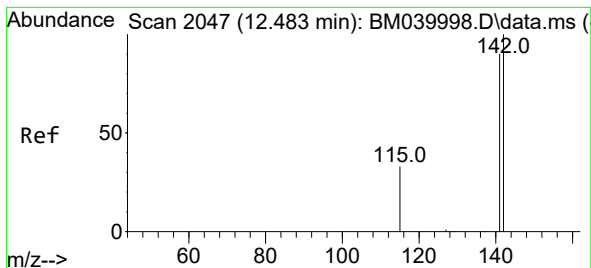
Tgt Ion: 88 Resp: 4626
Ion Ratio Lower Upper
88 100
43 32.4 25.9 38.9
58 60.6 48.5 72.7



#5
Naphthalene
Concen: 0.439 ng/ul
RT: 10.877 min Scan# 1755
Delta R.T. 0.000 min
Lab File: BM039998.D
Acq: 25 May 2023 12:36

Tgt Ion: 128 Resp: 28976
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.1 10.5 15.7

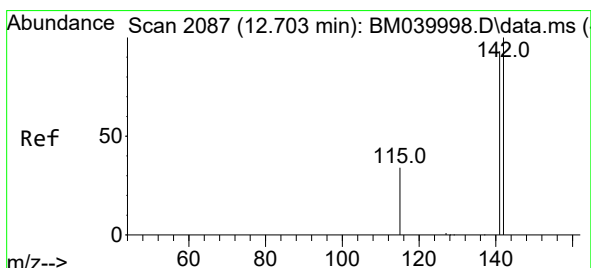
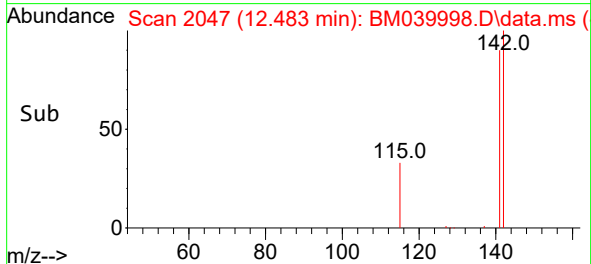
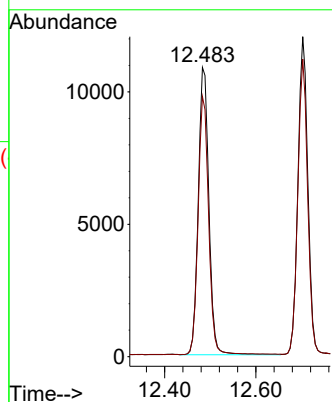
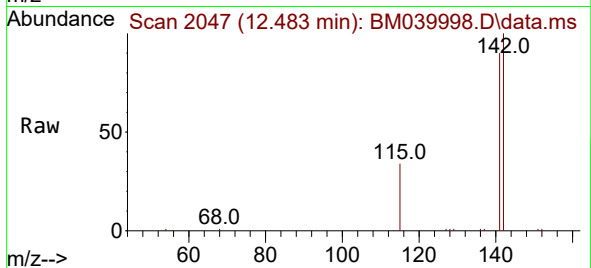




#7
2-Methylnaphthalene
Concen: 0.470 ng/ul
RT: 12.483 min Scan# 2047
Delta R.T. 0.000 min
Lab File: BM039998.D
Acq: 25 May 2023 12:36

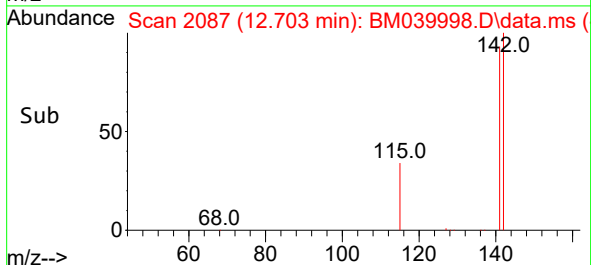
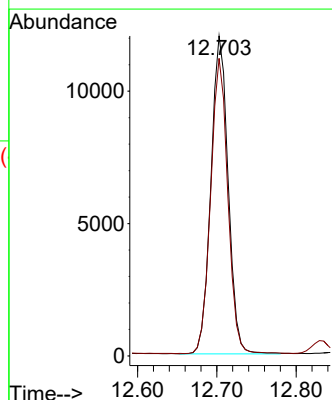
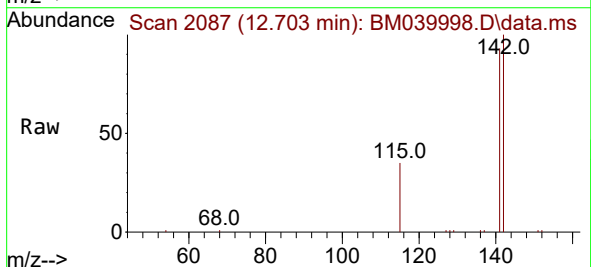
Instrument :
BNA_M
ClientSampleId :
SSTD0.4003

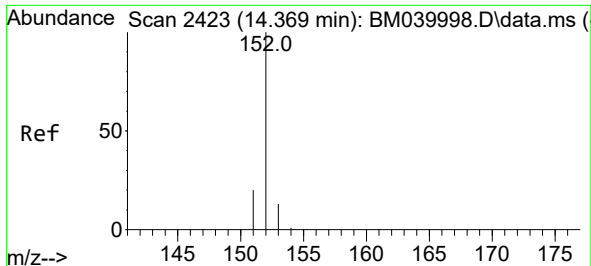
Tgt Ion:142 Resp: 17506
Ion Ratio Lower Upper
142 100
141 89.1 71.3 106.9



#8
1-Methylnaphthalene
Concen: 0.466 ng/ul
RT: 12.703 min Scan# 2087
Delta R.T. 0.000 min
Lab File: BM039998.D
Acq: 25 May 2023 12:36

Tgt Ion:142 Resp: 18125
Ion Ratio Lower Upper
142 100
141 92.3 73.8 110.6

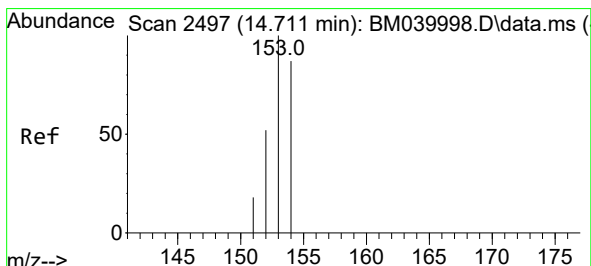
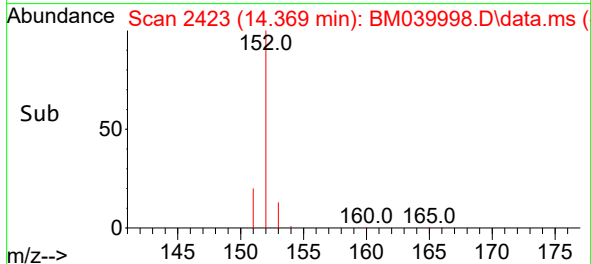
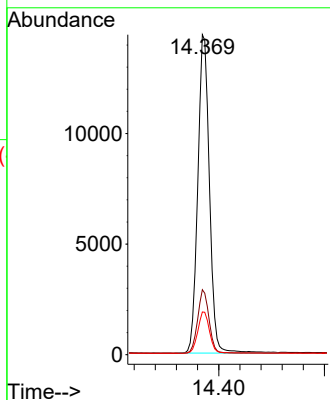
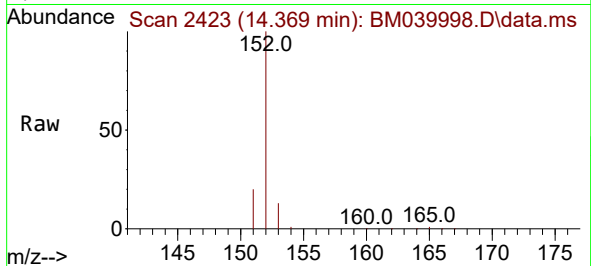




#10
Acenaphthylene
Concen: 0.448 ng/ul
RT: 14.369 min Scan# 2423
Delta R.T. 0.000 min
Lab File: BM039998.D
Acq: 25 May 2023 12:36

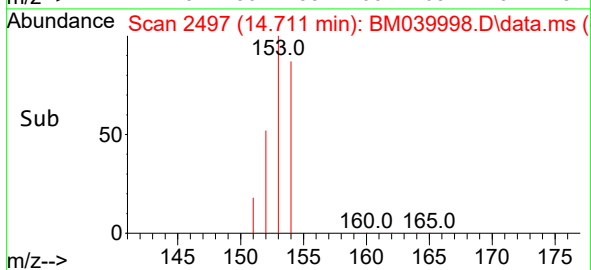
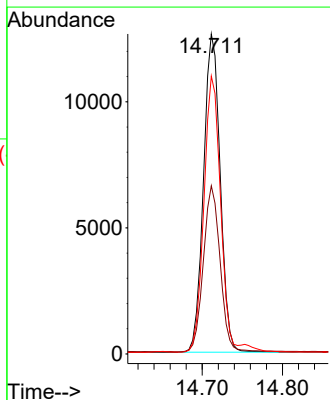
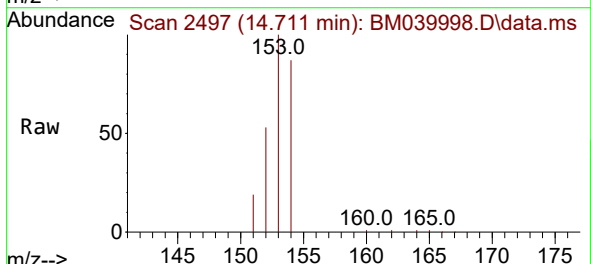
Instrument :
BNA_M
ClientSampleId :
SSTD0.4003

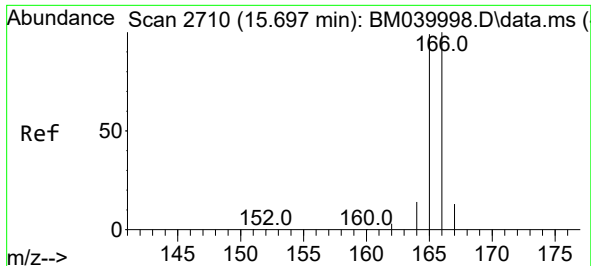
Tgt Ion:152	Resp:	22040
Ion Ratio	Lower	Upper
152	100	
151	20.3	16.2 24.4
153	13.3	10.6 16.0



#11
Acenaphthene
Concen: 0.451 ng/ul
RT: 14.711 min Scan# 2497
Delta R.T. 0.000 min
Lab File: BM039998.D
Acq: 25 May 2023 12:36

Tgt Ion:153	Resp:	18207
Ion Ratio	Lower	Upper
153	100	
152	52.5	42.0 63.0
154	86.8	69.4 104.2

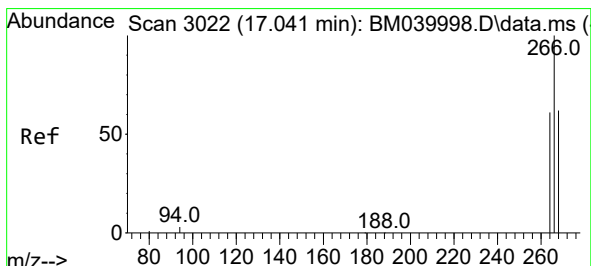
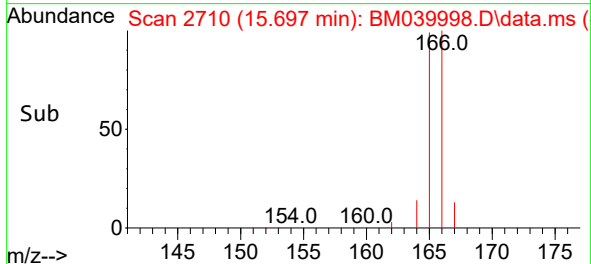
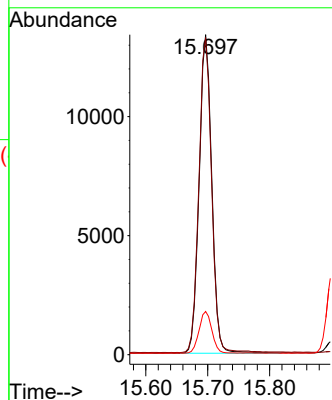
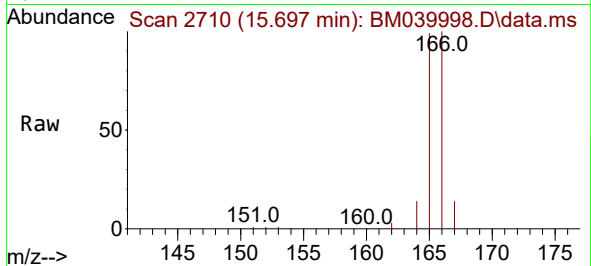




#12
Fluorene
Concen: 0.466 ng/ul
RT: 15.697 min Scan# 2710
Delta R.T. 0.000 min
Lab File: BM039998.D
Acq: 25 May 2023 12:36

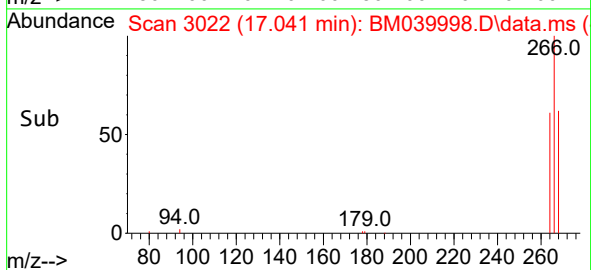
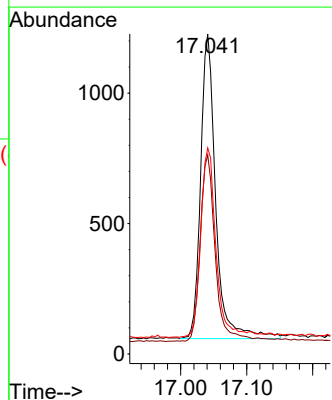
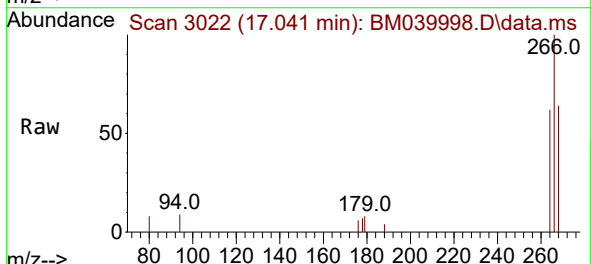
Instrument :
BNA_M
ClientSampleId :
SSTD0.4003

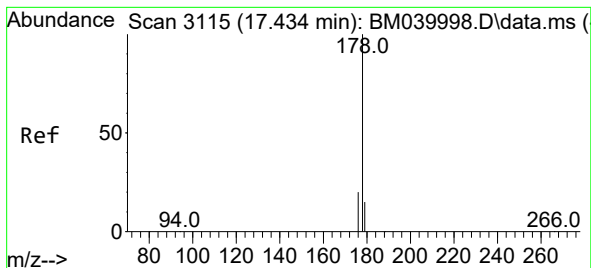
Tgt Ion:166 Resp: 19008
Ion Ratio Lower Upper
166 100
165 99.1 79.3 118.9
167 13.5 10.8 16.2



#14
Pentachlorophenol
Concen: 0.418 ng/ul
RT: 17.041 min Scan# 3022
Delta R.T. 0.000 min
Lab File: BM039998.D
Acq: 25 May 2023 12:36

Tgt Ion:266 Resp: 1853
Ion Ratio Lower Upper
266 100
264 61.5 49.2 73.8
268 65.2 51.9 77.9





#15

Phenanthrene

Concen: 0.456 ng/ul

RT: 17.434 min Scan# 3115

Delta R.T. 0.000 min

Lab File: BM039998.D

Acq: 25 May 2023 12:36

Instrument :

BNA_M

ClientSampleId :

SSTD0.4003

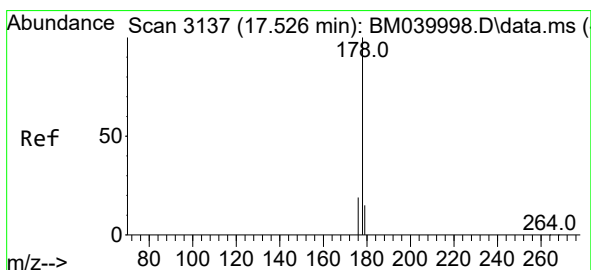
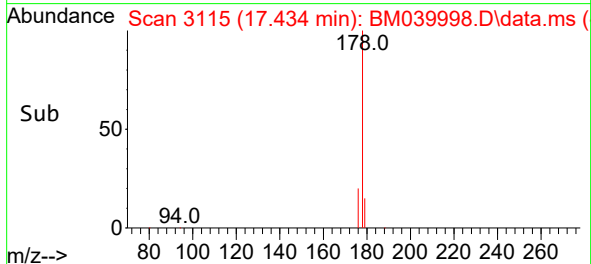
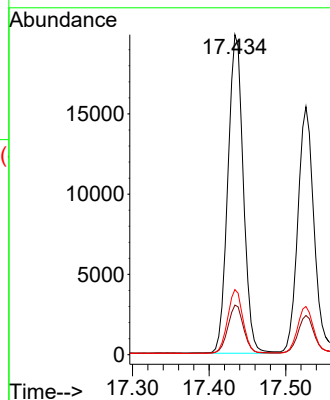
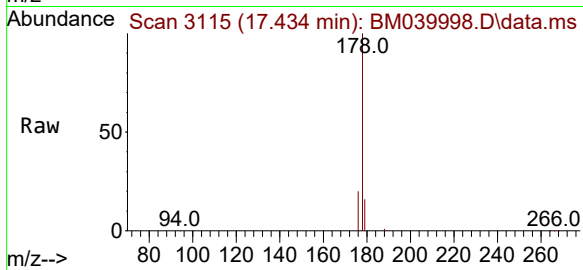
Tgt Ion:178 Resp: 27883

Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

176 20.4 16.3 24.5



#16

Anthracene

Concen: 0.457 ng/ul

RT: 17.526 min Scan# 3137

Delta R.T. 0.000 min

Lab File: BM039998.D

Acq: 25 May 2023 12:36

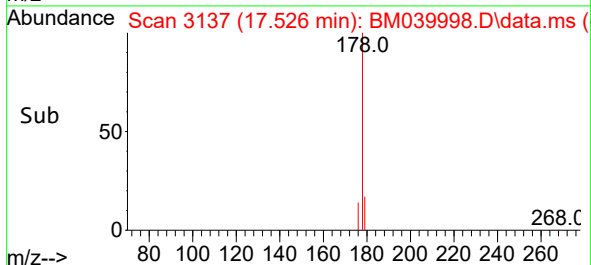
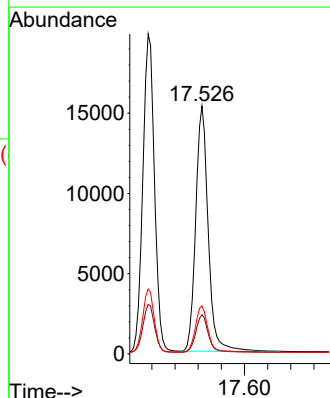
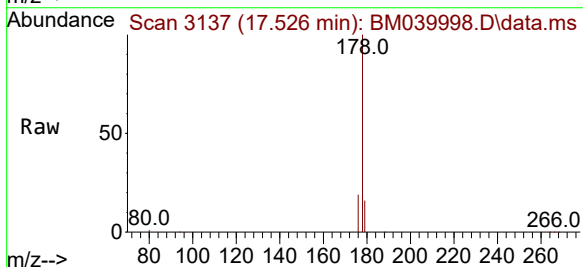
Tgt Ion:178 Resp: 22867

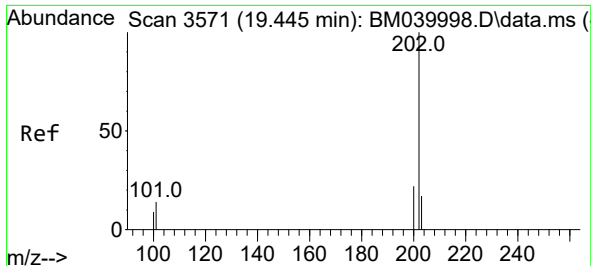
Ion Ratio Lower Upper

178 100

179 15.8 12.6 19.0

176 19.4 15.5 23.3

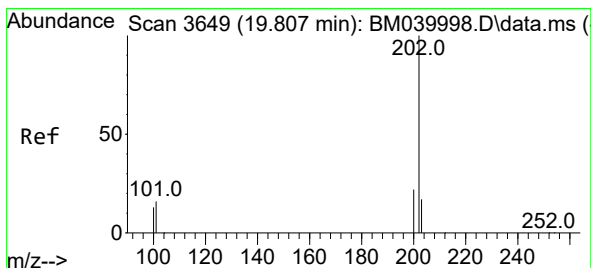
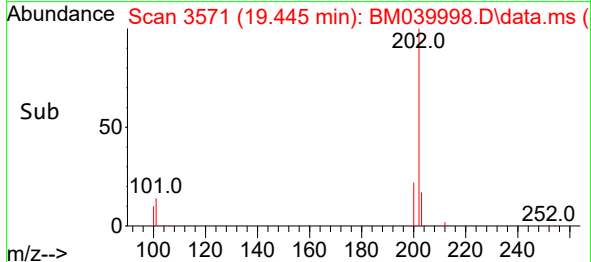
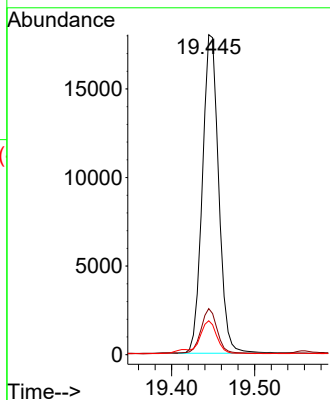
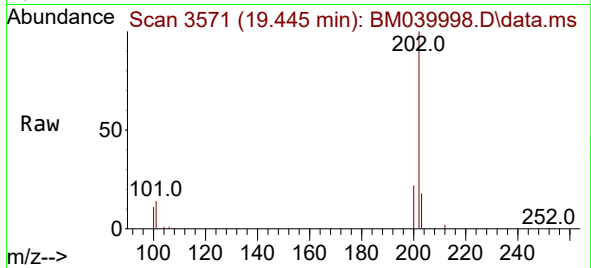




#19
Fluoranthene
Concen: 0.449 ng/ul
RT: 19.445 min Scan# 3571
Delta R.T. 0.000 min
Lab File: BM039998.D
Acq: 25 May 2023 12:36

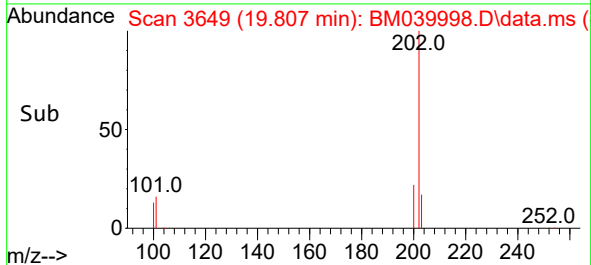
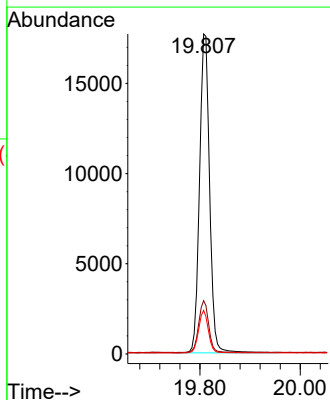
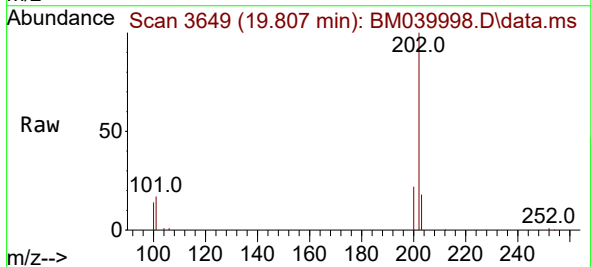
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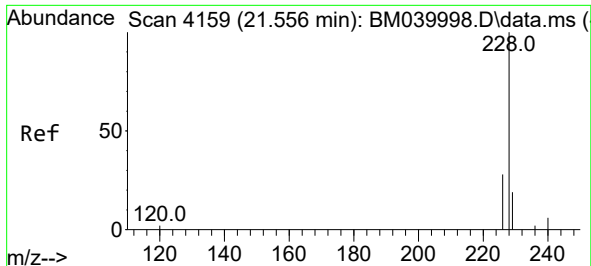
Tgt Ion:202 Resp: 24622
Ion Ratio Lower Upper
202 100
101 14.4 11.5 17.3
100 10.6 8.5 12.7



#20
Pyrene
Concen: 0.452 ng/ul
RT: 19.807 min Scan# 3649
Delta R.T. 0.000 min
Lab File: BM039998.D
Acq: 25 May 2023 12:36

Tgt Ion:202 Resp: 24537
Ion Ratio Lower Upper
202 100
101 16.6 13.3 19.9
100 13.6 10.9 16.3

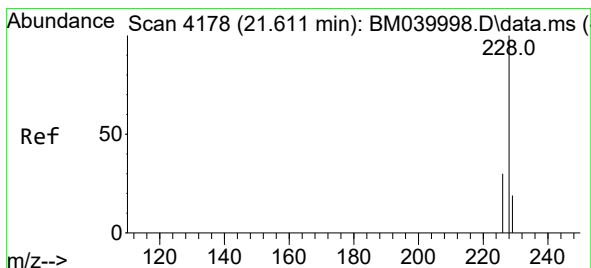
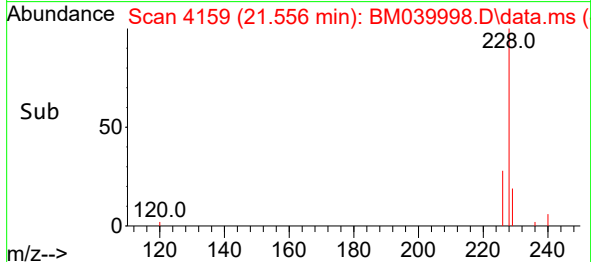
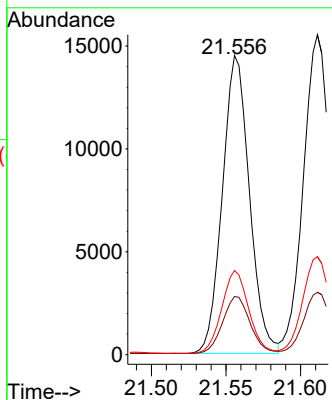
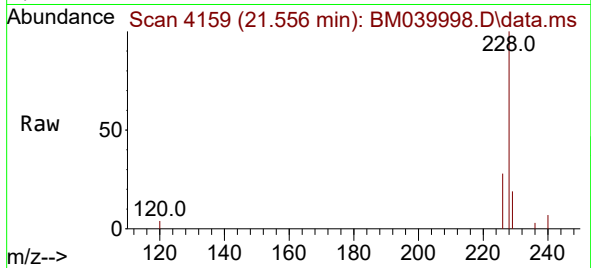




#21
Benzo(a)anthracene
Concen: 0.512 ng/ul
RT: 21.556 min Scan# 4159
Delta R.T. 0.000 min
Lab File: BM039998.D
Acq: 25 May 2023 12:36

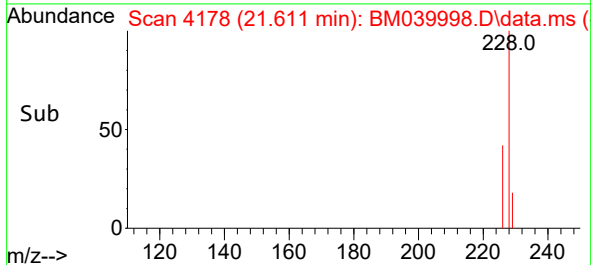
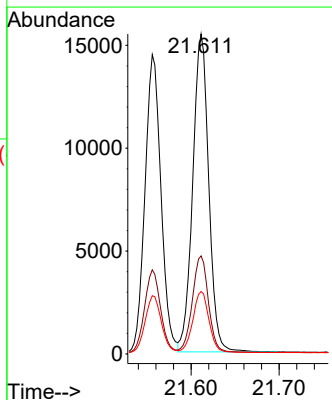
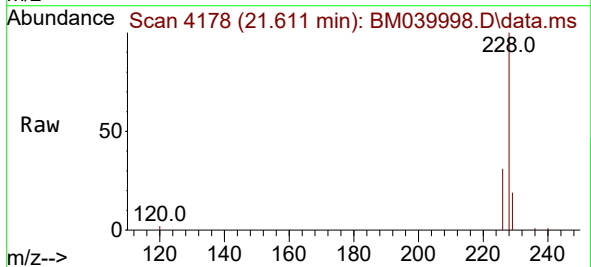
Instrument :
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SSTD0.4003

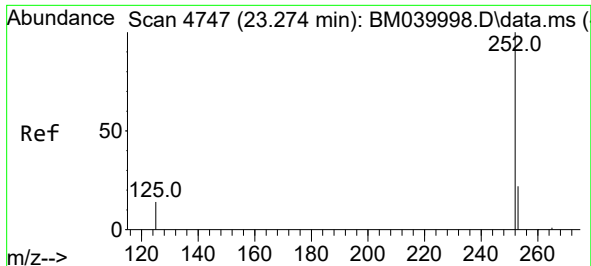
Tgt Ion:228 Resp: 18275
Ion Ratio Lower Upper
228 100
229 19.5 15.6 23.4
226 28.1 22.5 33.7



#22
Chrysene
Concen: 0.471 ng/ul
RT: 21.611 min Scan# 4178
Delta R.T. 0.000 min
Lab File: BM039998.D
Acq: 25 May 2023 12:36

Tgt Ion:228 Resp: 19548
Ion Ratio Lower Upper
228 100
226 30.7 24.6 36.8
229 19.5 15.6 23.4

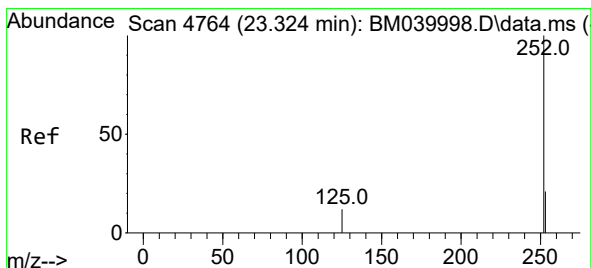
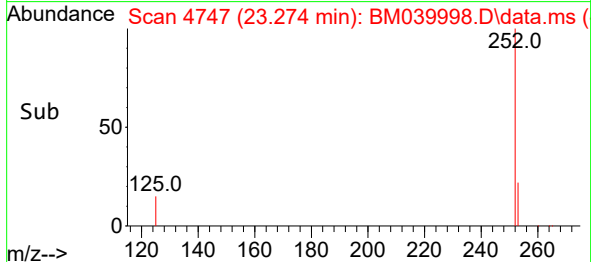
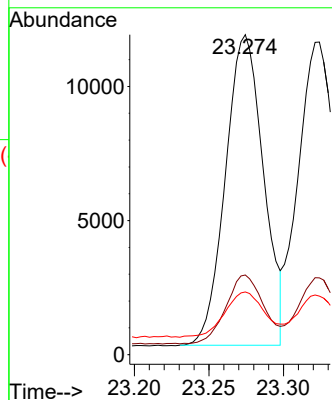
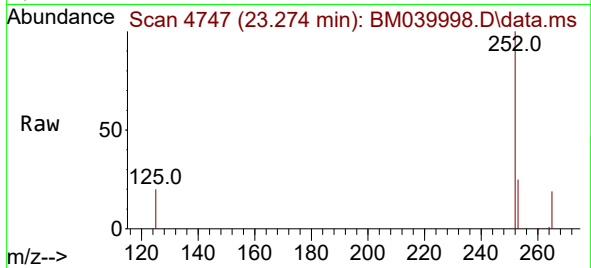




#24
Benzo(b)fluoranthene
Concen: 0.453 ng/ul
RT: 23.274 min Scan# 4747
Delta R.T. 0.000 min
Lab File: BM039998.D
Acq: 25 May 2023 12:36

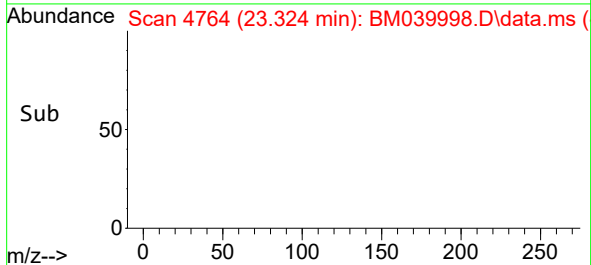
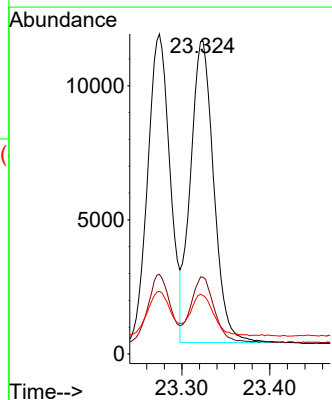
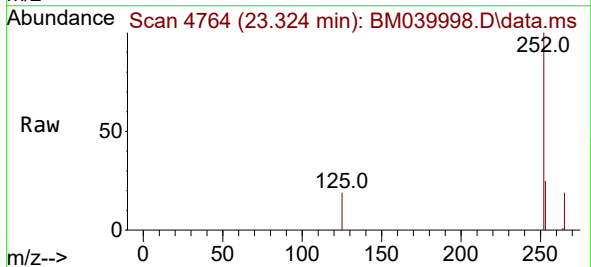
Instrument :
BNA_M
ClientSampleId :
SSTD0.4003

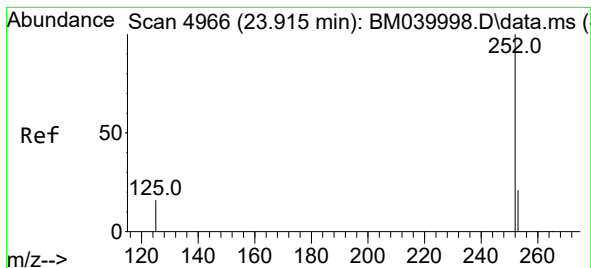
Tgt Ion:252 Resp: 20543
Ion Ratio Lower Upper
252 100
253 24.9 0.0 49.8
125 19.6 0.0 39.2



#25
Benzo(k)fluoranthene
Concen: 0.440 ng/ul
RT: 23.324 min Scan# 4764
Delta R.T. 0.000 min
Lab File: BM039998.D
Acq: 25 May 2023 12:36

Tgt Ion:252 Resp: 20685
Ion Ratio Lower Upper
252 100
253 24.6 19.7 29.5
125 18.7 15.0 22.4





#26

Benzo(a)pyrene

Concen: 0.465 ng/ul

RT: 23.915 min Scan# 4966

Delta R.T. 0.000 min

Lab File: BM039998.D

Acq: 25 May 2023 12:36

Instrument :

BNA_M

ClientSampleId :

SSTD0.4003

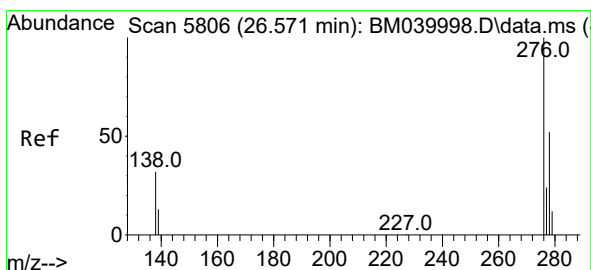
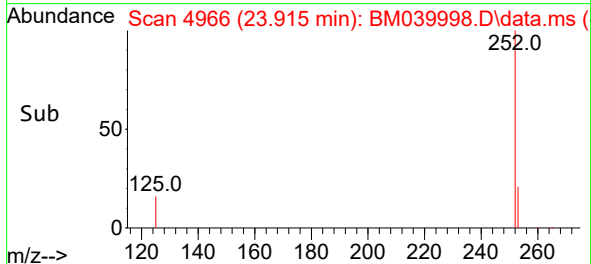
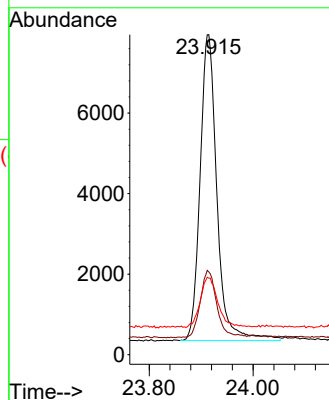
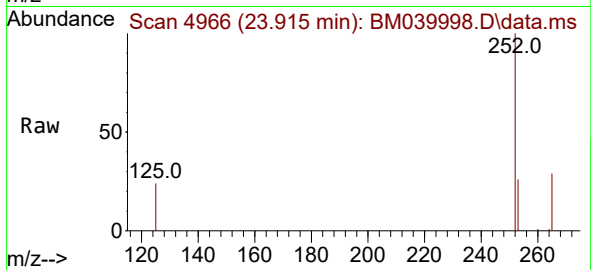
Tgt Ion:252 Resp: 17068

Ion Ratio Lower Upper

252 100

253 25.8 20.6 31.0

125 23.9 19.1 28.7



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.477 ng/ul

RT: 26.571 min Scan# 5806

Delta R.T. 0.000 min

Lab File: BM039998.D

Acq: 25 May 2023 12:36

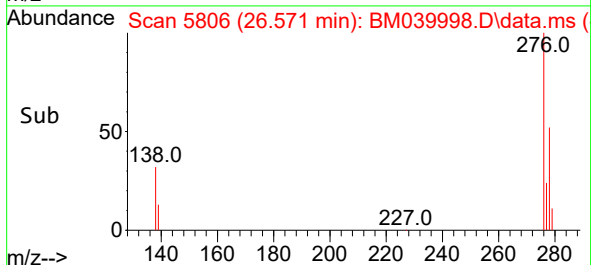
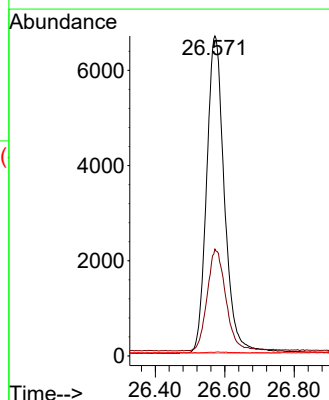
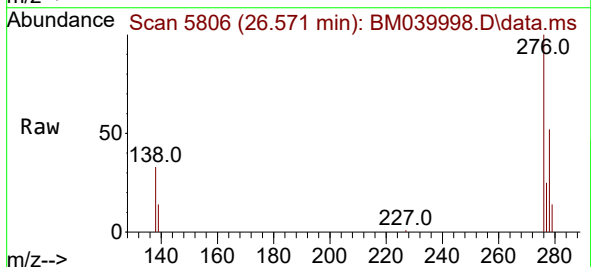
Tgt Ion:276 Resp: 23837

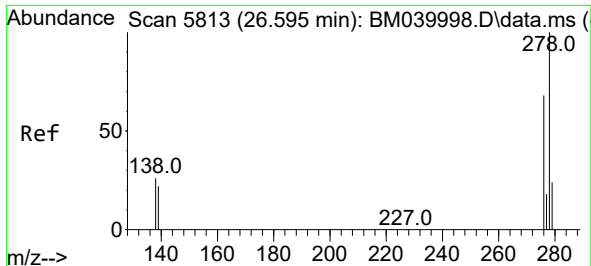
Ion Ratio Lower Upper

276 100

138 33.6 26.9 40.3

227 0.2 0.1 0.1#

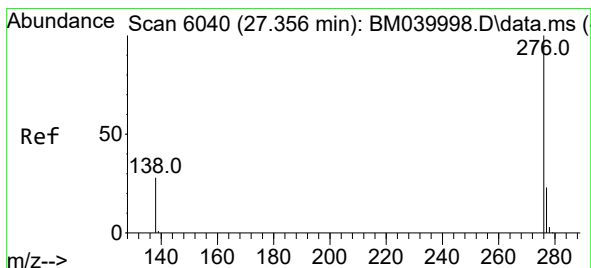
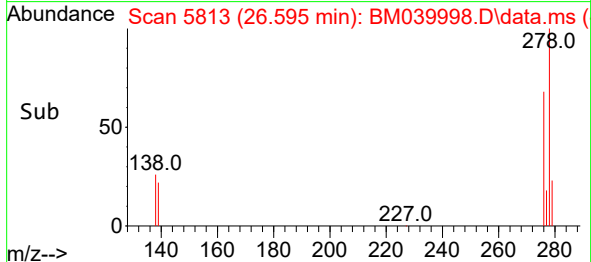
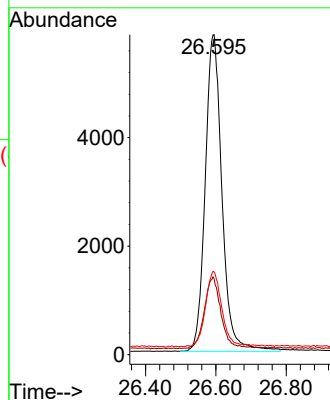
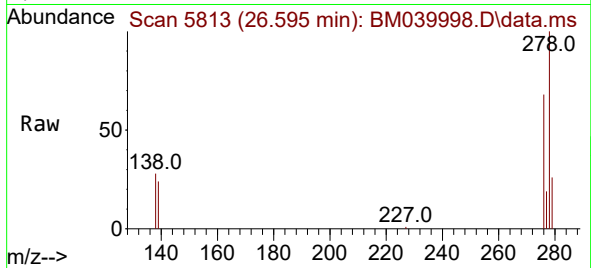




#28
Dibenzo(a,h)anthracene
Concen: 0.481 ng/ul
RT: 26.595 min Scan# 5813
Delta R.T. 0.000 min
Lab File: BM039998.D
Acq: 25 May 2023 12:36

Instrument :
BNA_M
ClientSampleId :
SSTD0.4003

Tgt Ion:278 Resp: 19311
Ion Ratio Lower Upper
278 100
139 23.7 19.0 28.4
279 25.8 20.6 31.0



#29
Benzo(g,h,i)perylene
Concen: 0.464 ng/ul
RT: 27.356 min Scan# 6040
Delta R.T. 0.000 min
Lab File: BM039998.D
Acq: 25 May 2023 12:36

Tgt Ion:276 Resp: 19868
Ion Ratio Lower Upper
276 100
138 29.9 23.9 35.9
277 24.4 19.5 29.3

