

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040424\
 Data File : BM044897.D
 Acq On : 03 Apr 2024 18:50
 Operator : MA/JU
 Sample : SSTD0.216
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.2023

Quant Time: Apr 03 23:26:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM040424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 03 23:24:21 2024
 Response via : Initial Calibration

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

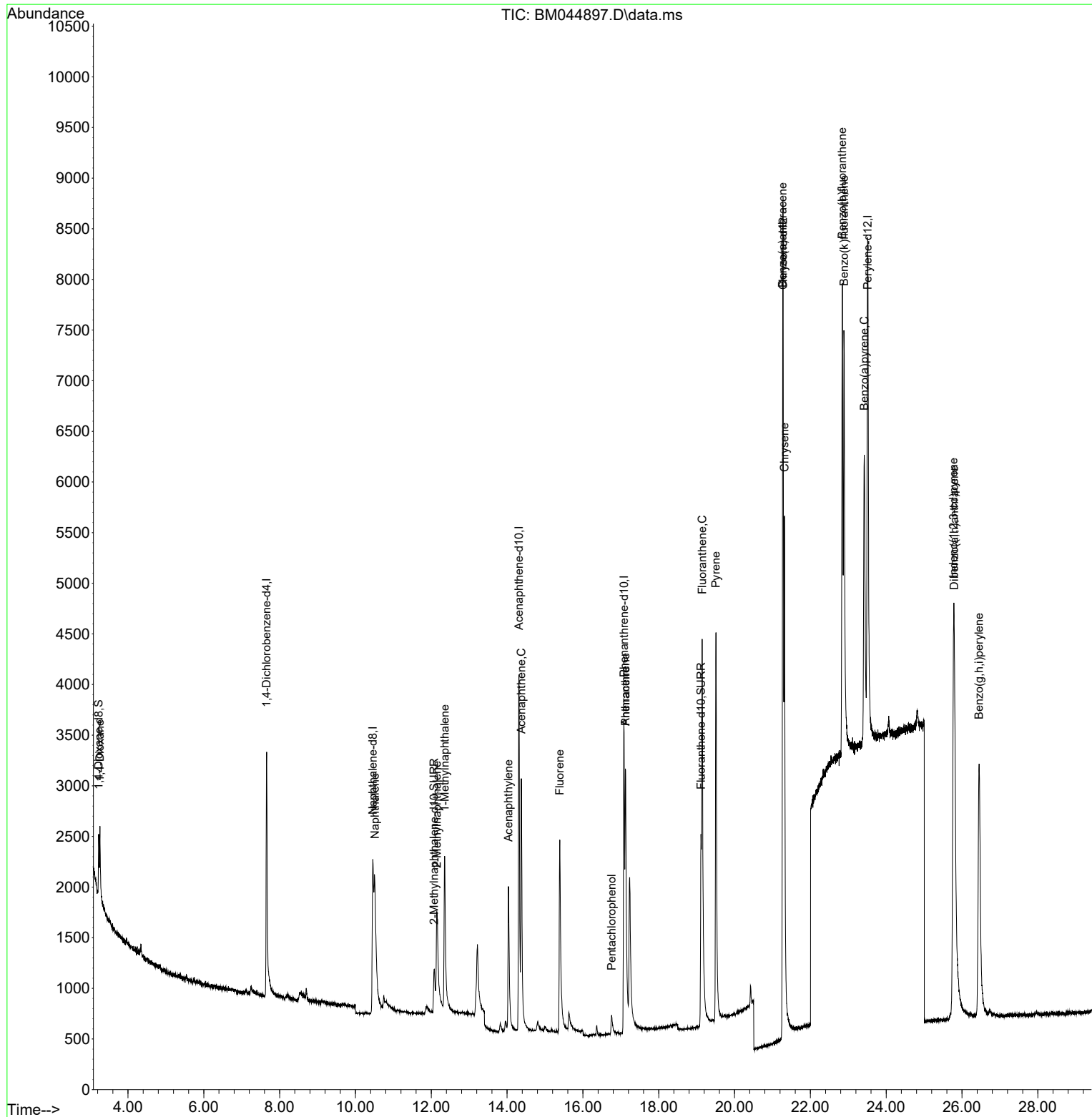
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.656	152	1815	0.400	ng/ul	0.00
4) Naphthalene-d8	10.457	136	5220	0.400	ng/ul #	0.02
9) Acenaphthene-d10	14.311	164	2816	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.081	188	6553	0.400	ng/ul	0.01
17) Chrysene-d12	21.278	240	6982	0.400	ng/ul	0.00
23) Perylene-d12	23.511	264	8904	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.226	96	562	0.236	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.074	152	1374	0.183	ng/ul	0.02
18) Fluoranthene-d10	19.113	212	3420	0.140	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.260	88	462	0.190	ng/ul#	90
5) Naphthalene	10.512	128	2761	0.188	ng/ul#	90
7) 2-Methylnaphthalene	12.151	142	1603	0.173	ng/ul	99
8) 1-Methylnaphthalene	12.354	142	1753	0.187	ng/ul	99
10) Acenaphthylene	14.034	152	2799	0.196	ng/ul	94
11) Acenaphthene	14.376	153	1998	0.193	ng/ul	97
12) Fluorene	15.389	166	2245	0.190	ng/ul#	96
14) Pentachlorophenol	16.756	266	278	0.176	ng/ul	93
15) Phenanthrene	17.123	178	3633	0.185	ng/ul	96
16) Anthracene	17.123	178	3632	0.197	ng/ul	95
19) Fluoranthene	19.145	202	4877	0.143	ng/ul	96
20) Pyrene	19.508	202	5216	0.149	ng/ul#	95
21) Benzo(a)anthracene	21.269	228	4577	0.172	ng/ul	98
22) Chrysene	21.316	228	6349	0.213	ng/ul	98
24) Benzo(b)fluoranthene	22.841	252	6294	0.185	ng/ul	88
25) Benzo(k)fluoranthene	22.885	252	7521	0.204	ng/ul#	89
26) Benzo(a)pyrene	23.420	252	6204	0.201	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	25.776	276	8197	0.231	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.796	278	6542	0.239	ng/ul#	89
29) Benzo(g,h,i)perylene	26.450	276	7247	0.233	ng/ul	94

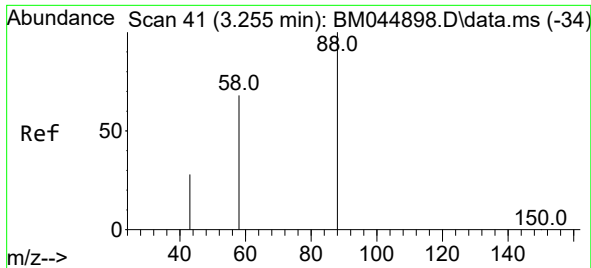
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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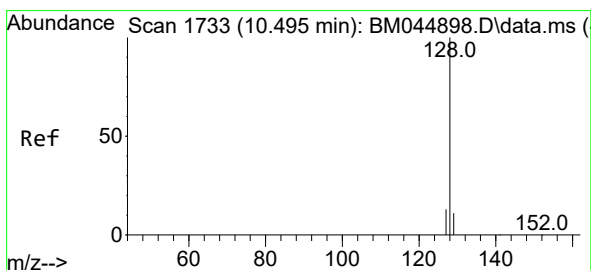
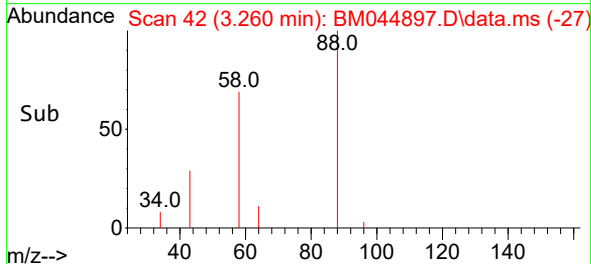
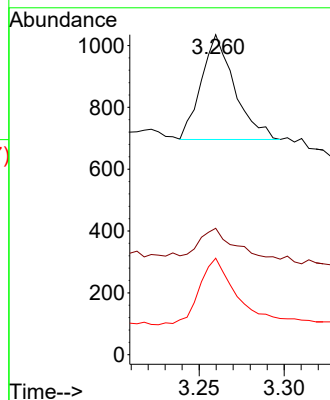
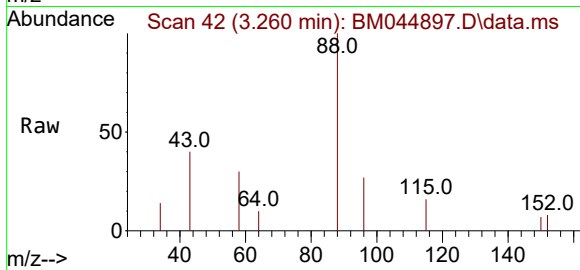




#2
1,4-Dioxane
Concen: 0.190 ng/ul
RT: 3.260 min Scan# 41
Delta R.T. 0.004 min
Lab File: BM044897.D
Acq: 03 Apr 2024 18:50

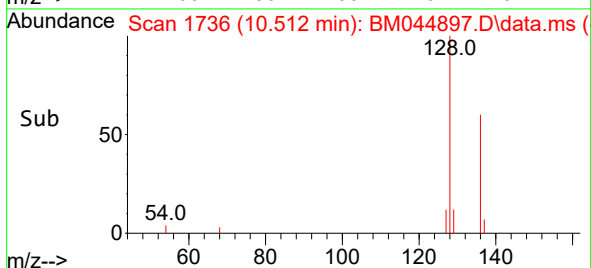
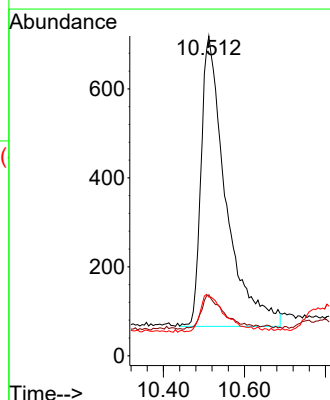
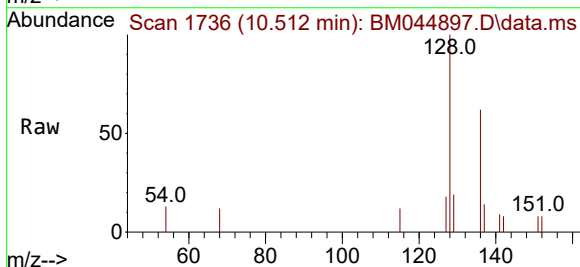
Instrument :
BNA_M
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SSTD0.2023

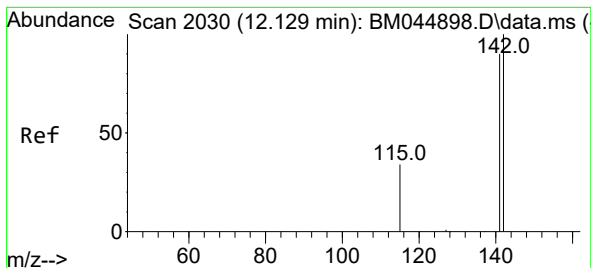
Tgt Ion: 88 Resp: 462
Ion Ratio Lower Upper
88 100
43 39.5 30.6 46.0
58 30.1 32.6 48.8#



#5
Naphthalene
Concen: 0.188 ng/ul
RT: 10.512 min Scan# 1736
Delta R.T. 0.017 min
Lab File: BM044897.D
Acq: 03 Apr 2024 18:50

Tgt Ion: 128 Resp: 2761
Ion Ratio Lower Upper
128 100
129 19.1 11.3 16.9#
127 18.4 11.9 17.9#

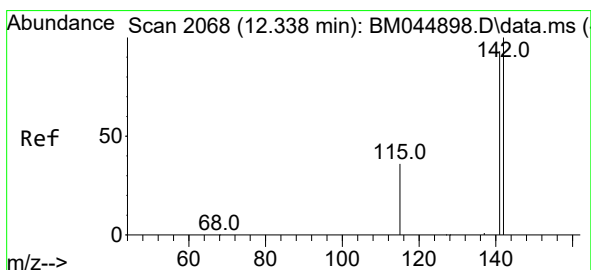
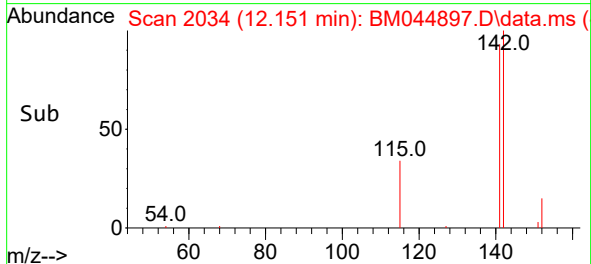
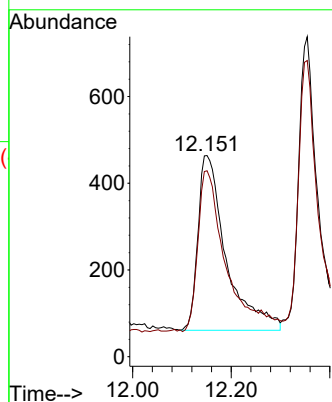
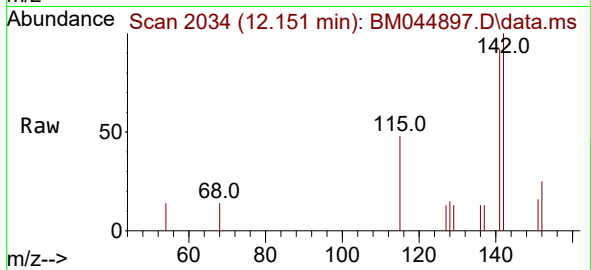




#7
2-Methylnaphthalene
Concen: 0.173 ng/ul
RT: 12.151 min Scan# 2070
Delta R.T. 0.022 min
Lab File: BM044897.D
Acq: 03 Apr 2024 18:50

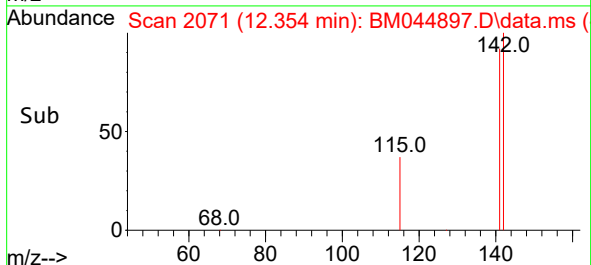
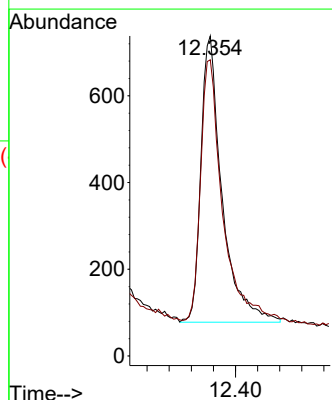
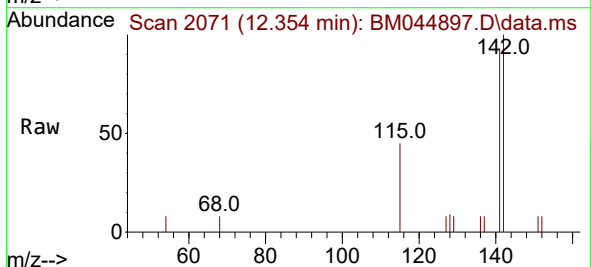
Instrument :
BNA_M
ClientSampleId :
SSTD0.2023

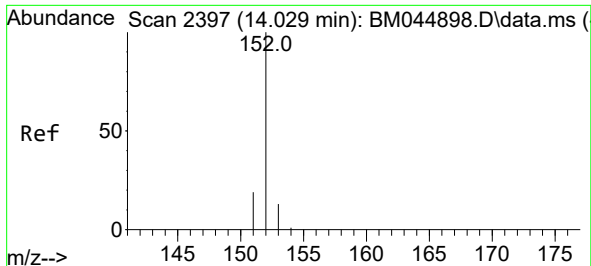
Tgt Ion:142 Resp: 1603
Ion Ratio Lower Upper
142 100
141 92.8 73.8 110.8



#8
1-Methylnaphthalene
Concen: 0.187 ng/ul
RT: 12.354 min Scan# 2071
Delta R.T. 0.017 min
Lab File: BM044897.D
Acq: 03 Apr 2024 18:50

Tgt Ion:142 Resp: 1753
Ion Ratio Lower Upper
142 100
141 93.7 74.2 111.2

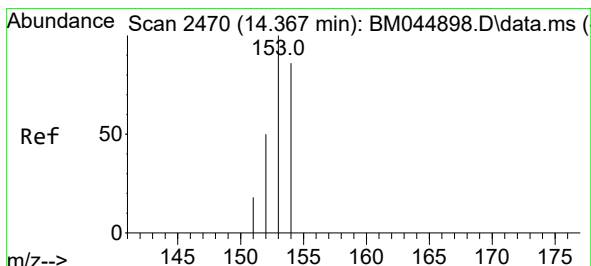
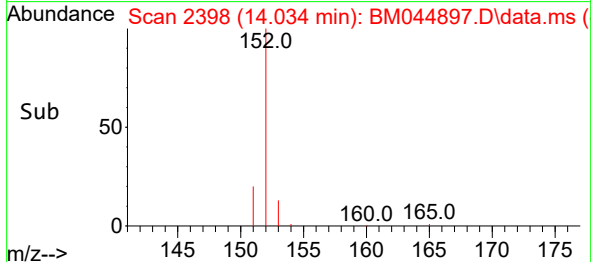
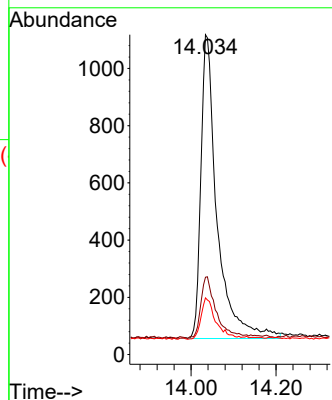
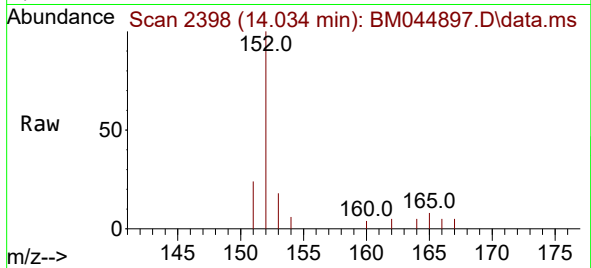




#10
Acenaphthylene
Concen: 0.196 ng/ul
RT: 14.034 min Scan# 21
Delta R.T. 0.005 min
Lab File: BM044897.D
Acq: 03 Apr 2024 18:50

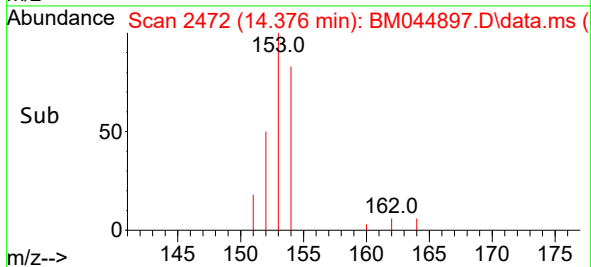
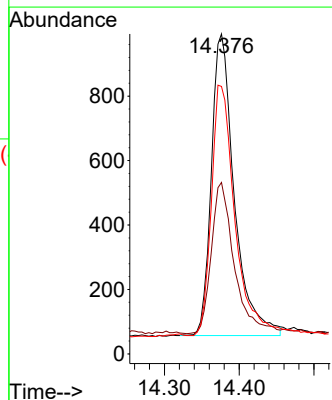
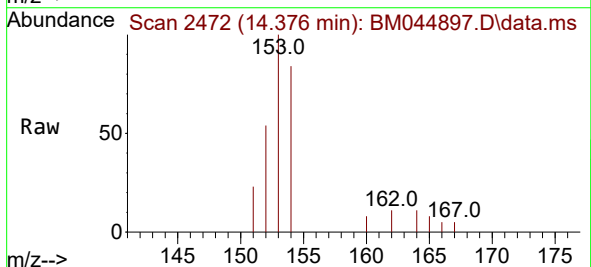
Instrument :
BNA_M
ClientSampleId :
SSTD0.2023

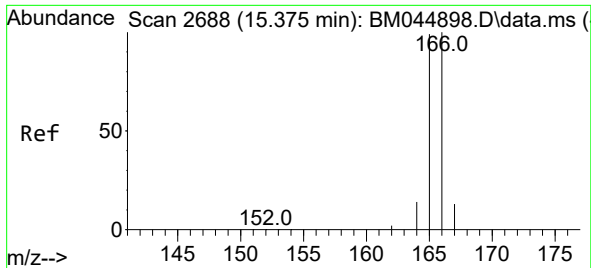
Tgt Ion:	152	Resp:	2799
Ion	Ratio	Lower	Upper
152	100		
151	24.2	17.0	25.4
153	17.7	11.9	17.9



#11
Acenaphthene
Concen: 0.193 ng/ul
RT: 14.376 min Scan# 2472
Delta R.T. 0.009 min
Lab File: BM044897.D
Acq: 03 Apr 2024 18:50

Tgt Ion:	153	Resp:	1998
Ion	Ratio	Lower	Upper
153	100		
152	53.6	41.2	61.8
154	83.6	69.4	104.0

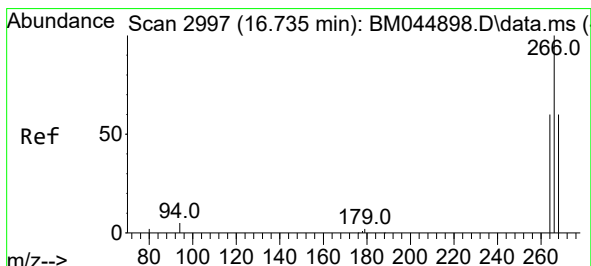
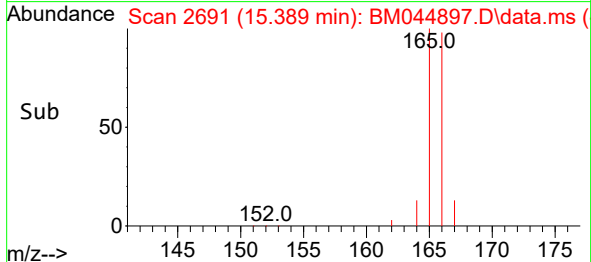
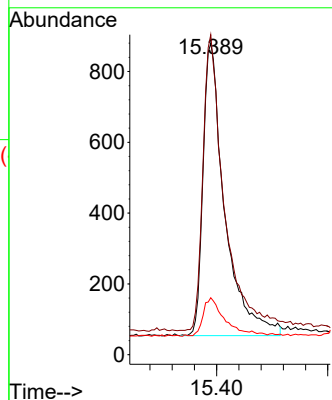
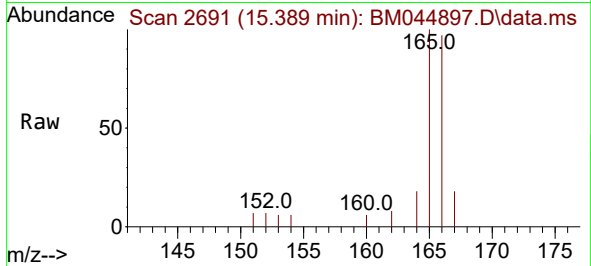




#12
Fluorene
Concen: 0.190 ng/ul
RT: 15.389 min Scan# 2002
Delta R.T. 0.014 min
Lab File: BM044897.D
Acq: 03 Apr 2024 18:50

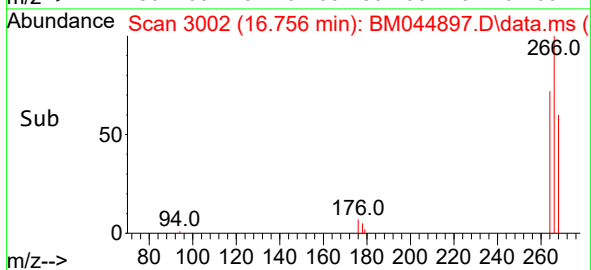
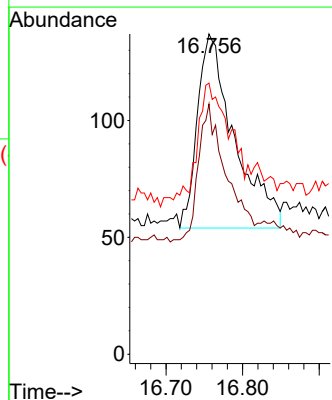
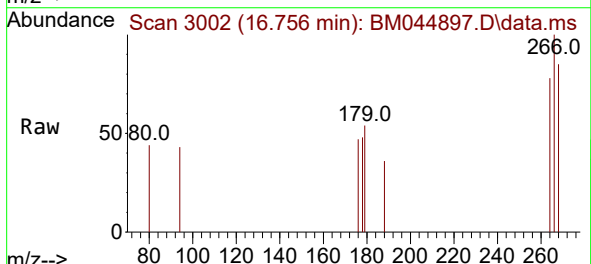
Instrument :
BNA_M
ClientSampleId :
SSTD0.2023

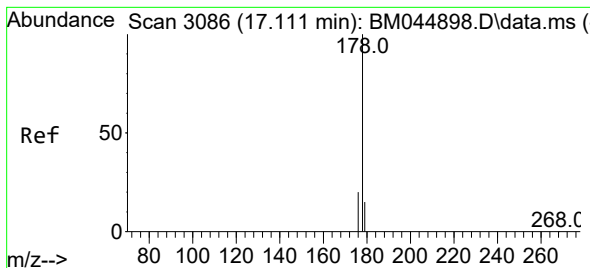
Tgt Ion:166 Resp: 2245
Ion Ratio Lower Upper
166 100
165 102.8 79.9 119.9
167 18.3 12.2 18.2#



#14
Pentachlorophenol
Concen: 0.176 ng/ul
RT: 16.756 min Scan# 3002
Delta R.T. 0.021 min
Lab File: BM044897.D
Acq: 03 Apr 2024 18:50

Tgt Ion:266 Resp: 278
Ion Ratio Lower Upper
266 100
264 61.2 48.3 72.5
268 75.2 52.6 79.0





#15

Phenanthrene

Concen: 0.185 ng/ul

RT: 17.123 min Scan# 3089

Delta R.T. 0.013 min

Lab File: BM044897.D

Acq: 03 Apr 2024 18:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.2023

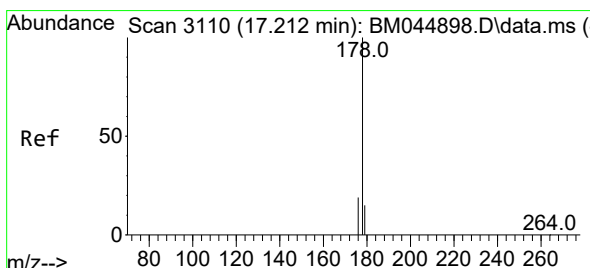
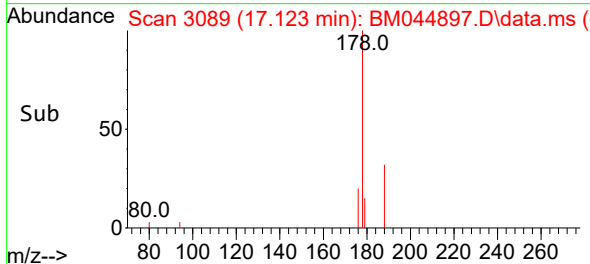
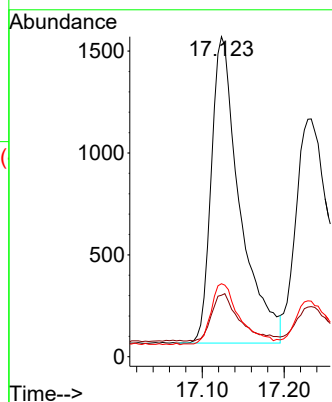
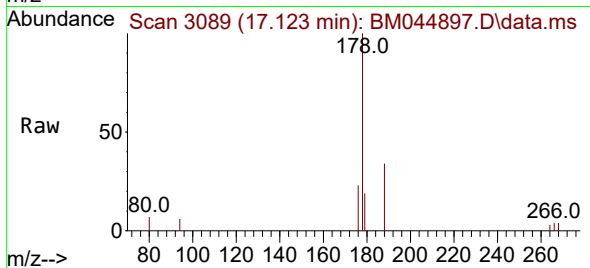
Tgt Ion:178 Resp: 3633

Ion Ratio Lower Upper

178 100

179 19.2 13.7 20.5

176 22.8 17.0 25.4



#16

Anthracene

Concen: 0.197 ng/ul

RT: 17.123 min Scan# 3089

Delta R.T. -0.089 min

Lab File: BM044897.D

Acq: 03 Apr 2024 18:50

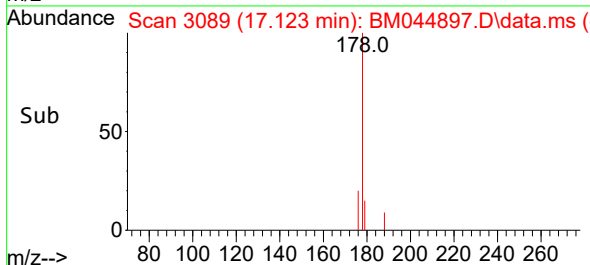
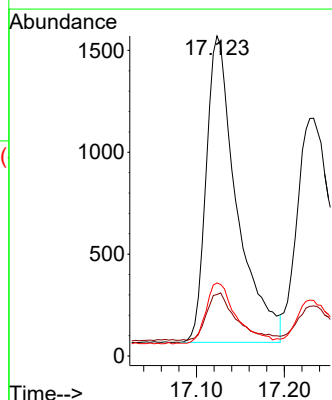
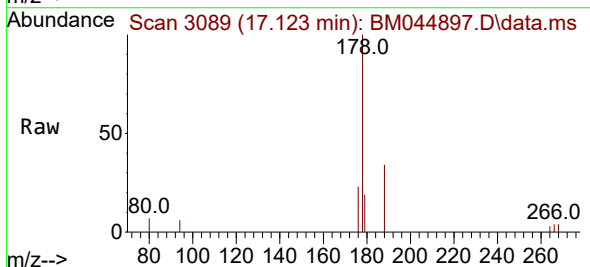
Tgt Ion:178 Resp: 3632

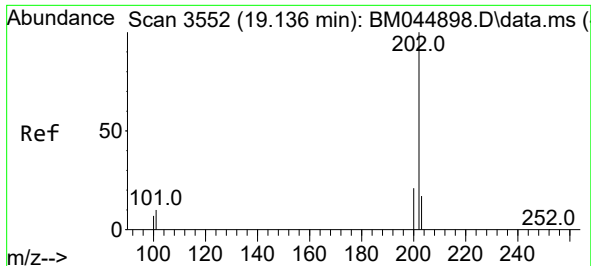
Ion Ratio Lower Upper

178 100

179 19.2 13.8 20.8

176 22.8 16.2 24.4

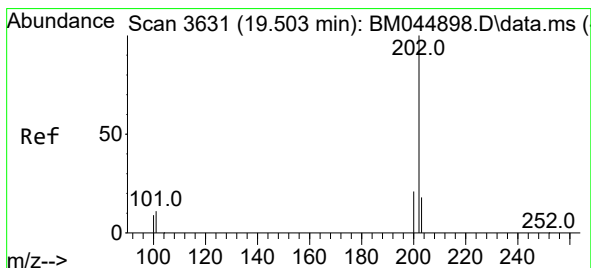
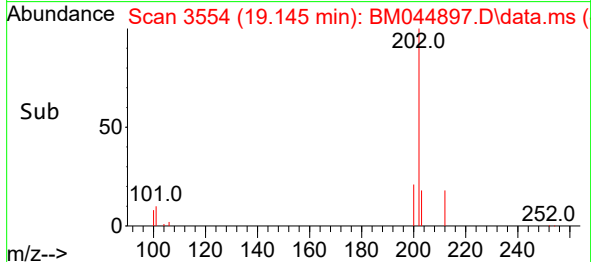
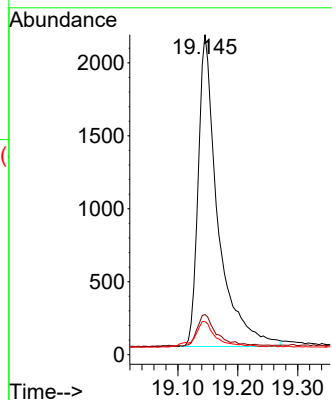
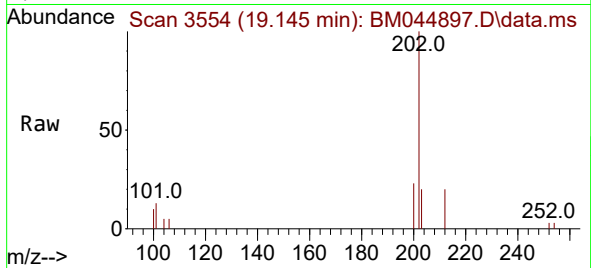




#19
Fluoranthene
Concen: 0.143 ng/ul
RT: 19.145 min Scan# 3554
Delta R.T. 0.009 min
Lab File: BM044897.D
Acq: 03 Apr 2024 18:50

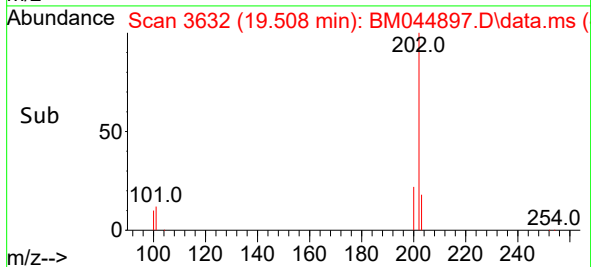
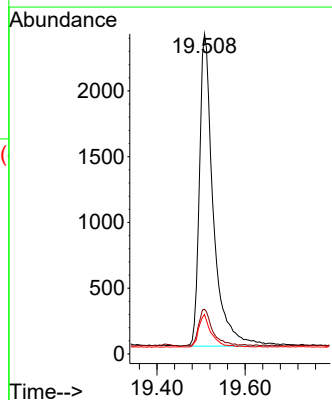
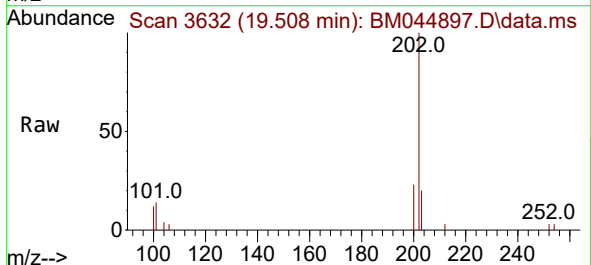
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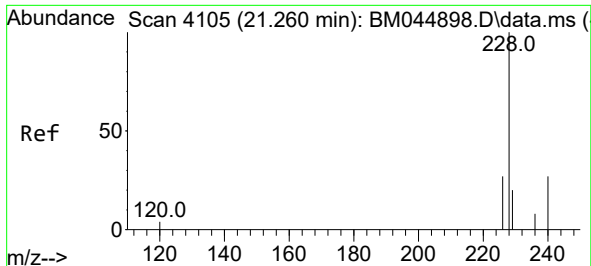
Tgt Ion:202 Resp: 4877
Ion Ratio Lower Upper
202 100
101 12.5 8.8 13.2
100 10.4 7.0 10.4



#20
Pyrene
Concen: 0.149 ng/ul
RT: 19.508 min Scan# 3632
Delta R.T. 0.005 min
Lab File: BM044897.D
Acq: 03 Apr 2024 18:50

Tgt Ion:202 Resp: 5216
Ion Ratio Lower Upper
202 100
101 13.9 9.8 14.6
100 12.4 8.1 12.1#

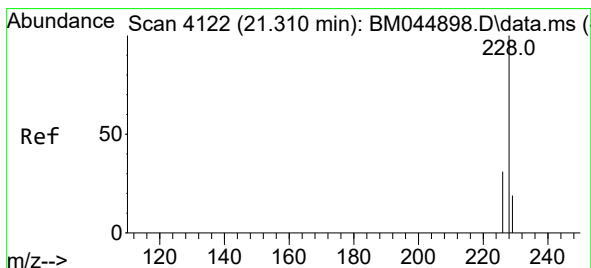
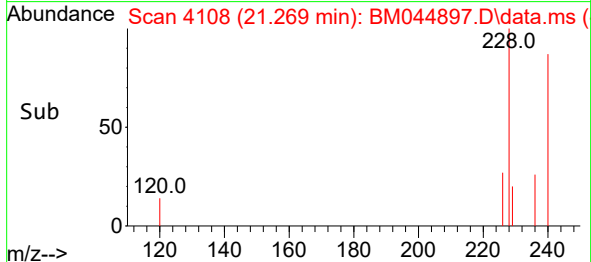
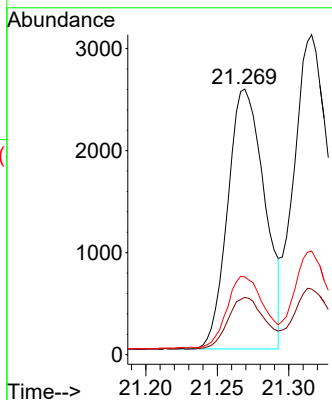
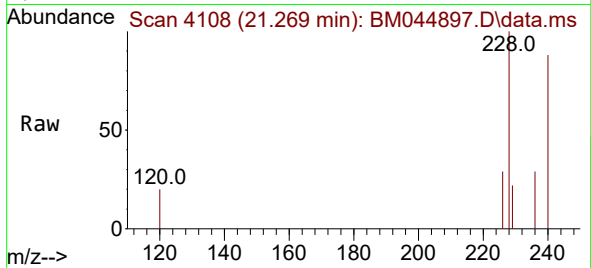




#21
Benzo(a)anthracene
Concen: 0.172 ng/ul
RT: 21.269 min Scan# 4105
Delta R.T. 0.009 min
Lab File: BM044897.D
Acq: 03 Apr 2024 18:50

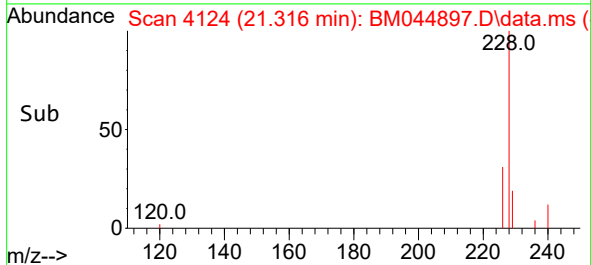
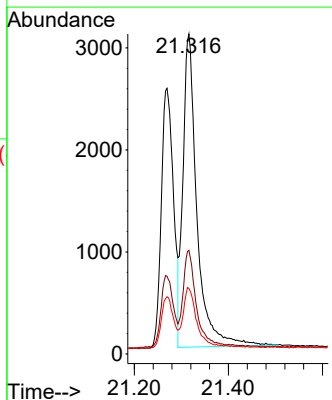
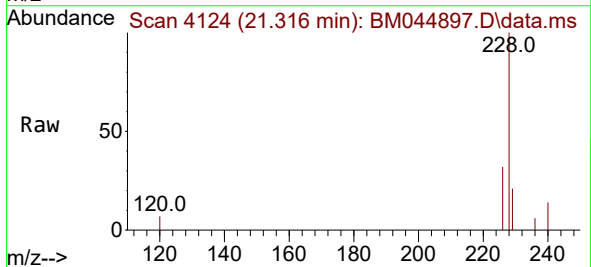
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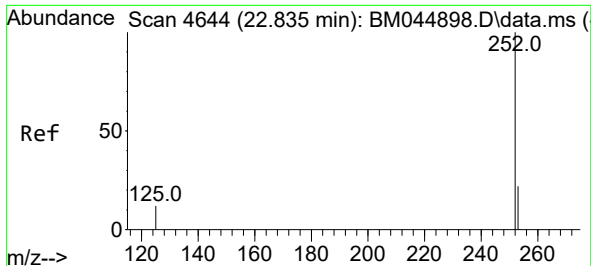
Tgt Ion:228 Resp: 4577
Ion Ratio Lower Upper
228 100
229 21.5 16.4 24.6
226 29.3 22.3 33.5



#22
Chrysene
Concen: 0.213 ng/ul
RT: 21.316 min Scan# 4124
Delta R.T. 0.006 min
Lab File: BM044897.D
Acq: 03 Apr 2024 18:50

Tgt Ion:228 Resp: 6349
Ion Ratio Lower Upper
228 100
226 32.4 24.9 37.3
229 20.5 15.9 23.9

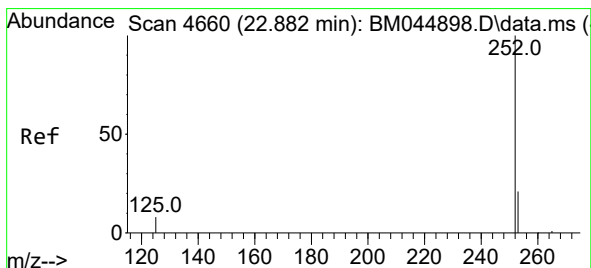
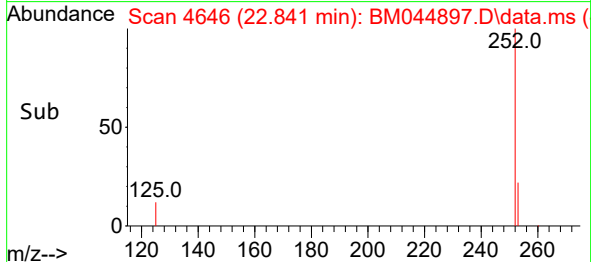
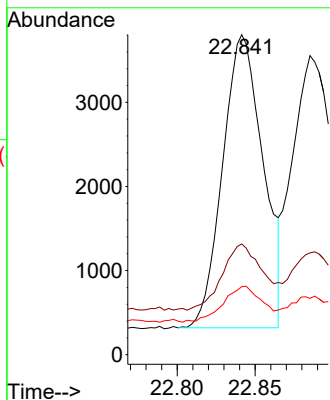
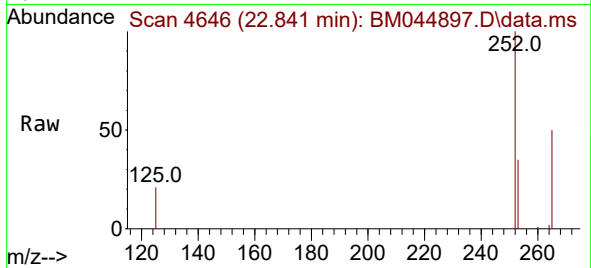




#24
Benzo(b)fluoranthene
Concen: 0.185 ng/ul
RT: 22.841 min Scan# 4646
Delta R.T. 0.006 min
Lab File: BM044897.D
Acq: 03 Apr 2024 18:50

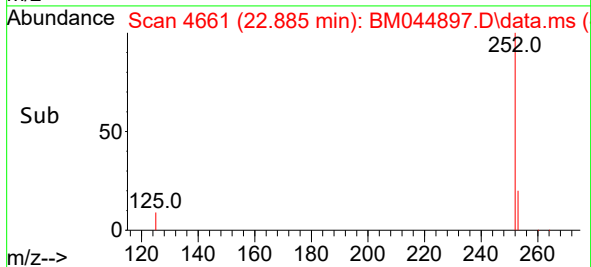
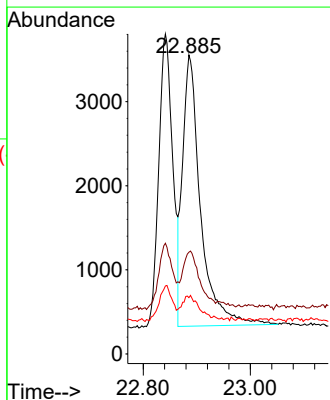
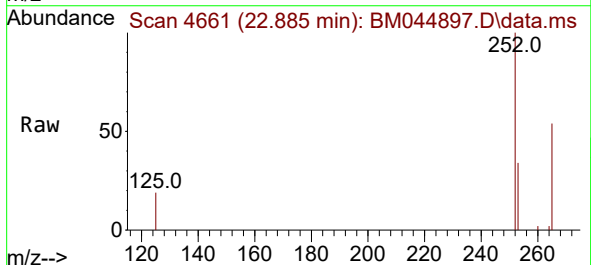
Instrument :
BNA_M
ClientSampleId :
SSTD0.2023

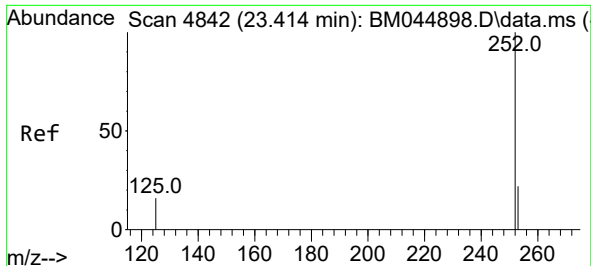
Tgt Ion:252 Resp: 6294
Ion Ratio Lower Upper
252 100
253 34.6 0.0 56.4
125 21.2 0.0 33.4



#25
Benzo(k)fluoranthene
Concen: 0.204 ng/ul
RT: 22.885 min Scan# 4661
Delta R.T. 0.003 min
Lab File: BM044897.D
Acq: 03 Apr 2024 18:50

Tgt Ion:252 Resp: 7521
Ion Ratio Lower Upper
252 100
253 34.1 22.3 33.5#
125 18.8 11.6 17.4#

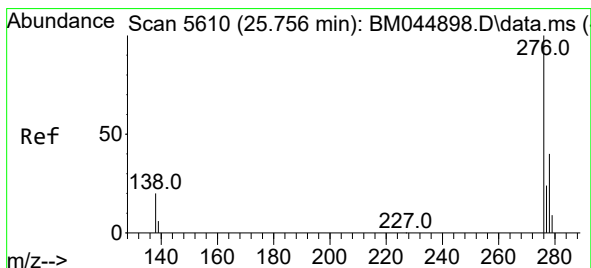
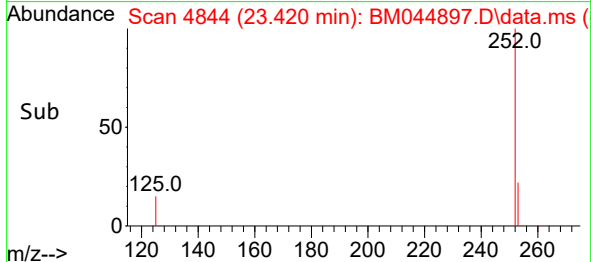
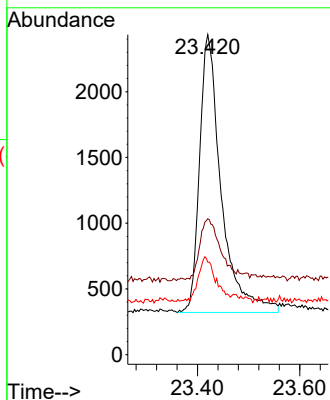
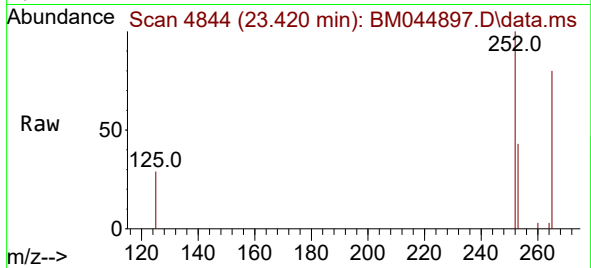




#26
Benzo(a)pyrene
Concen: 0.201 ng/ul
RT: 23.420 min Scan# 4844
Delta R.T. 0.006 min
Lab File: BM044897.D
Acq: 03 Apr 2024 18:50

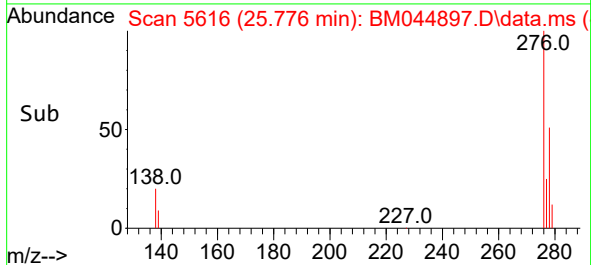
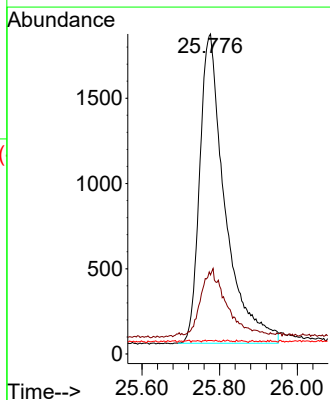
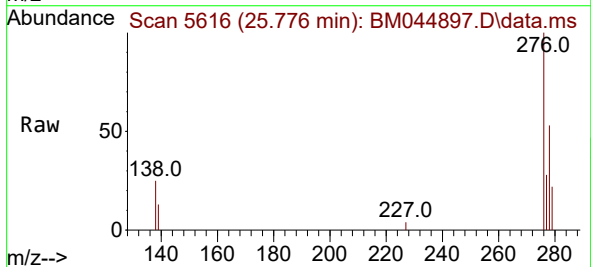
Instrument :
BNA_M
ClientSampleId :
SSTD0.2023

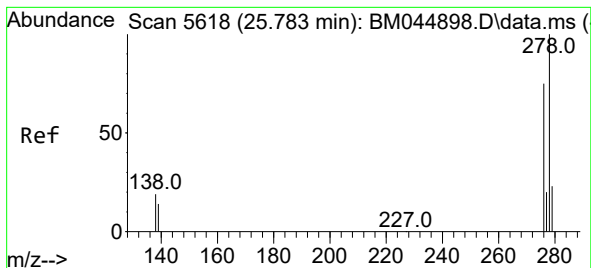
Tgt Ion:252 Resp: 6204
Ion Ratio Lower Upper
252 100
253 42.5 24.6 37.0#
125 28.9 18.2 27.4#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.231 ng/ul
RT: 25.776 min Scan# 5616
Delta R.T. 0.020 min
Lab File: BM044897.D
Acq: 03 Apr 2024 18:50

Tgt Ion:276 Resp: 8197
Ion Ratio Lower Upper
276 100
138 21.6 0.0 0.0#
227 0.0 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.239 ng/ul

RT: 25.796 min Scan# 5

Delta R.T. 0.014 min

Lab File: BM044897.D

Acq: 03 Apr 2024 18:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.2023

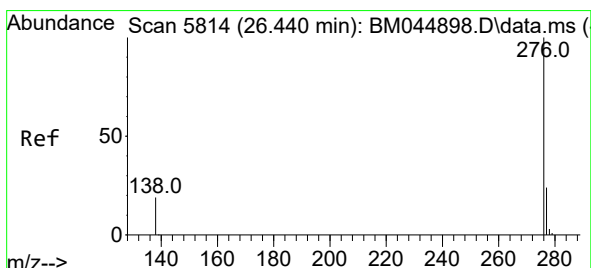
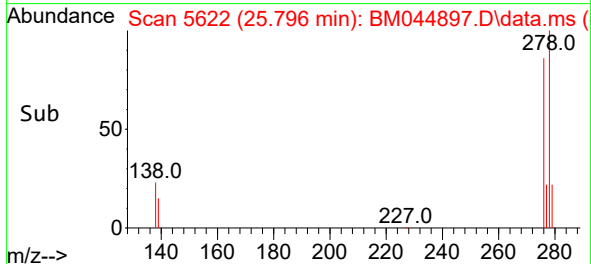
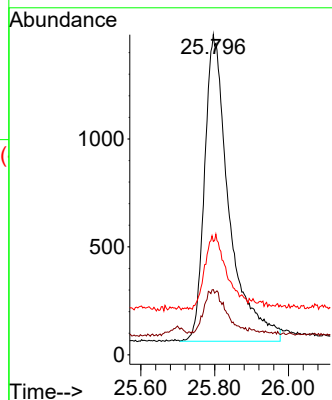
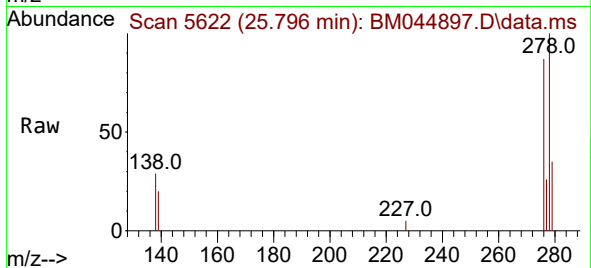
Tgt Ion:278 Resp: 6542

Ion Ratio Lower Upper

278 100

139 20.4 13.6 20.4

279 35.4 23.0 34.4#



#29

Benzo(g,h,i)perylene

Concen: 0.233 ng/ul

RT: 26.450 min Scan# 5817

Delta R.T. 0.010 min

Lab File: BM044897.D

Acq: 03 Apr 2024 18:50

Tgt Ion:276 Resp: 7247

Ion Ratio Lower Upper

276 100

138 24.8 16.8 25.2

277 27.8 20.3 30.5

