

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091323\
 Data File : BM041866.D
 Acq On : 14 Sep 2023 14:24
 Operator : MA/JU
 Sample : 04175-21
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EZYD4

Quant Time: Sep 15 00:29:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM091323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 13 16:15:23 2023
 Response via : Initial Calibration

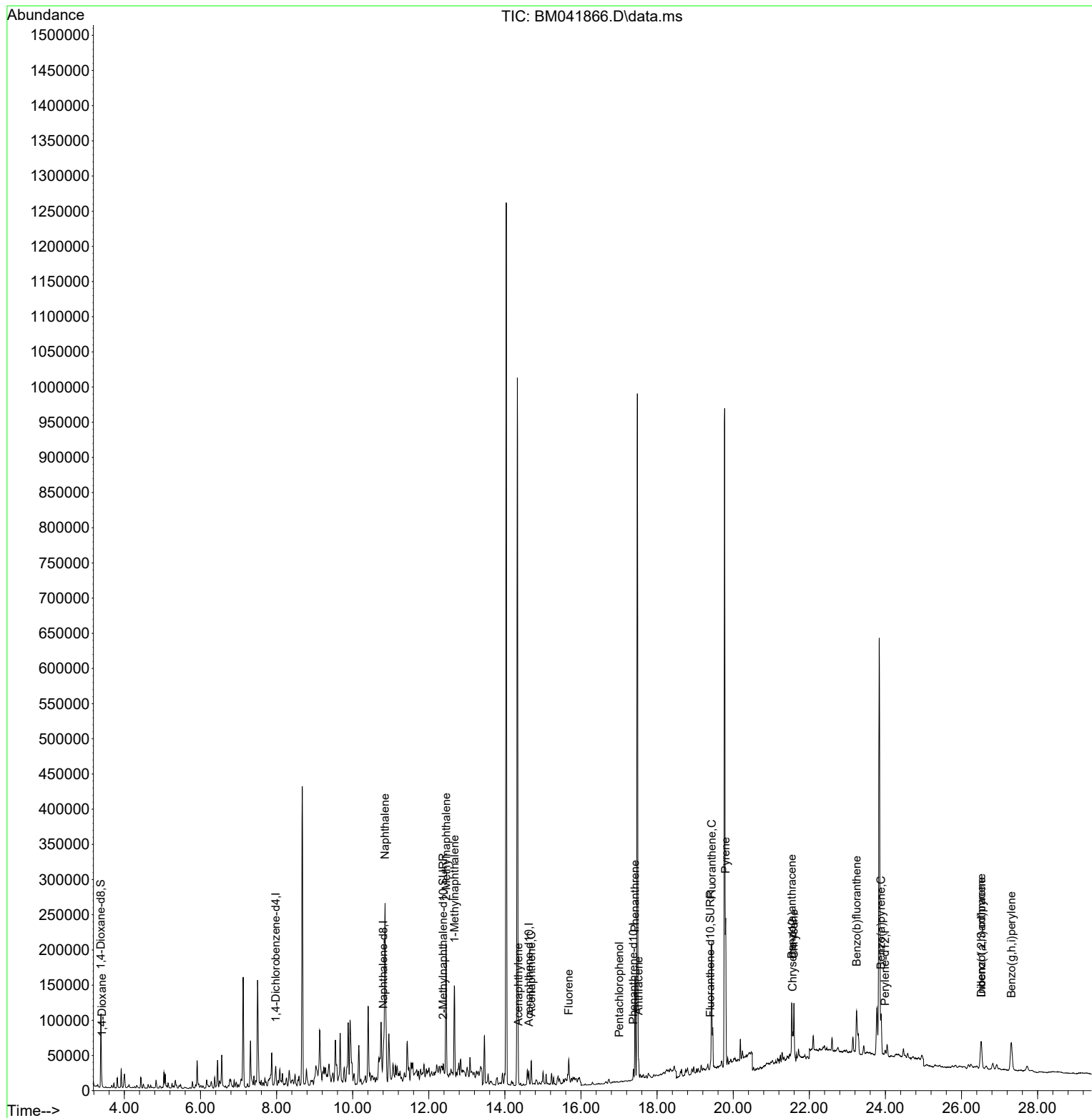
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.979	152	9553	0.400	ng/ul	0.00
4) Naphthalene-d8	10.801	136	22323	0.400	ng/ul #	0.01
9) Acenaphthene-d10	14.629	164	11102	0.400	ng/ul	0.01
13) Phenanthrene-d10	17.379	188	17082	0.400	ng/ul #	0.01
17) Chrysene-d12	21.559	240	8618	0.400	ng/ul #	0.02
23) Perylene-d12	23.994	264	9697	0.400	ng/ul #	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.385	96	60795	5.003	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.379	152	10934	0.360	ng/ul	0.01
18) Fluoranthene-d10	19.403	212	10214	0.346	ng/ul	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.410	88	493	0.039	ng/ul#	1
5) Naphthalene	10.851	128	366012	4.865	ng/ul	100
7) 2-Methylnaphthalene	12.456	142	130535	2.887	ng/ul	100
8) 1-Methylnaphthalene	12.676	142	83249	1.805	ng/ul	99
10) Acenaphthylene	14.356	152	6763	0.097	ng/ul#	45
11) Acenaphthene	14.694	153	19494	0.366	ng/ul	93
12) Fluorene	15.679	166	21101	0.339	ng/ul#	91
14) Pentachlorophenol	17.008	266	237	0.024	ng/ul#	79
15) Phenanthrene	17.421	178	154815	2.076	ng/ul	98
16) Anthracene	17.514	178	28039	0.431	ng/ul#	86
19) Fluoranthene	19.436	202	164961	2.471	ng/ul	99
20) Pyrene	19.803	202	163035	2.333	ng/ul	98
21) Benzo(a)anthracene	21.539	228	66203	1.164	ng/ul#	76
22) Chrysene	21.594	228	68798	1.182	ng/ul#	74
24) Benzo(b)fluoranthene	23.243	252	111556	1.617	ng/ul#	55
26) Benzo(a)pyrene	23.886	252	84002	1.597	ng/ul#	59
27) Indeno(1,2,3-cd)pyrene	26.518	276	68326	0.844	ng/ul#	83
28) Dibenzo(a,h)anthracene	26.518	278	18466	0.309	ng/ul#	1
29) Benzo(g,h,i)perylene	27.310	276	88419	1.292	ng/ul#	83

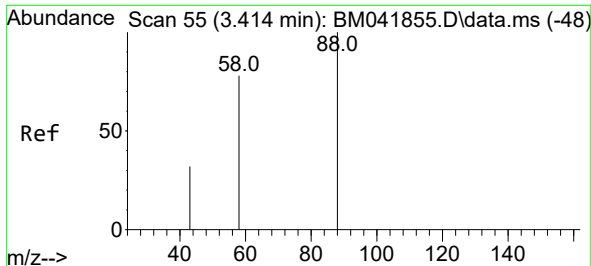
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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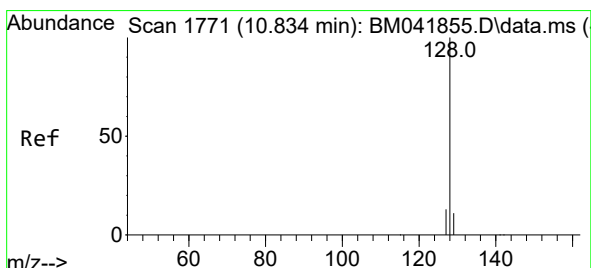
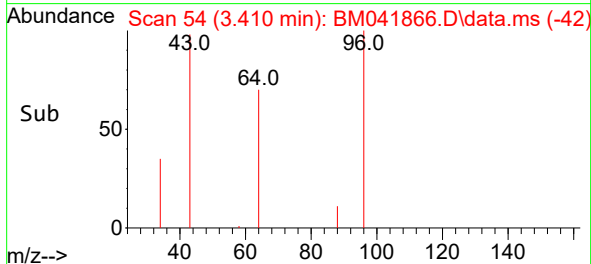
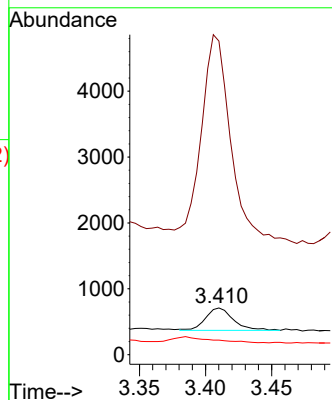
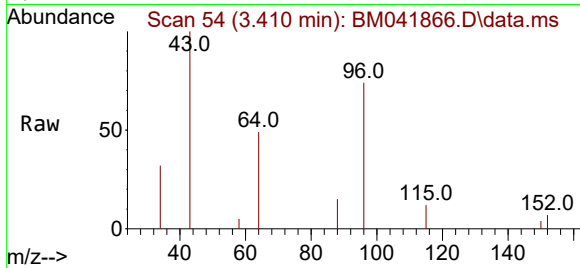




#2
1,4-Dioxane
Concen: 0.039 ng/ul
RT: 3.410 min Scan# 54
Delta R.T. -0.009 min
Lab File: BM041866.D
Acq: 14 Sep 2023 14:24

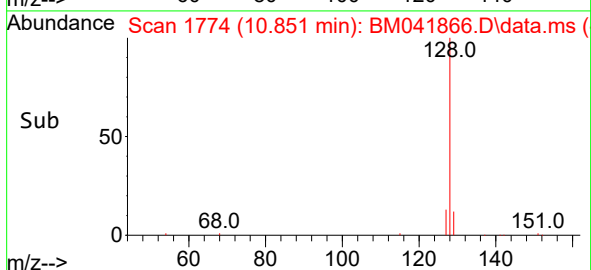
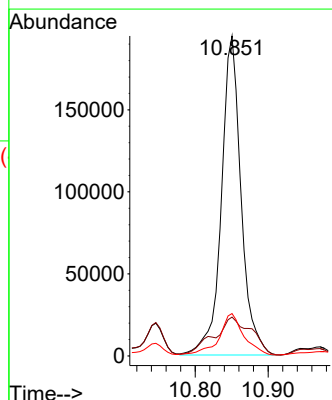
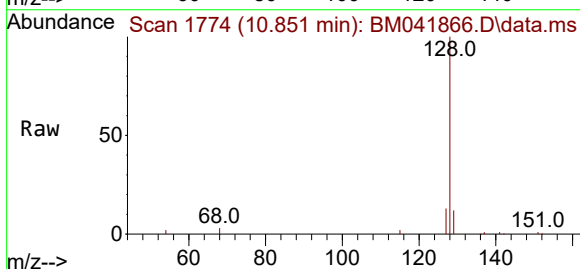
Instrument :
BNA_M
ClientSampleId :
EZYD4

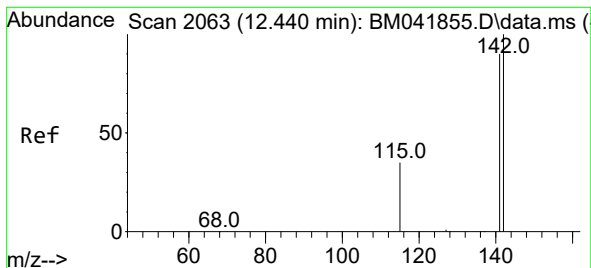
Tgt Ion: 88 Resp: 493
Ion Ratio Lower Upper
88 100
43 672.6 69.9 104.9#
58 31.4 55.6 83.4#



#5
Naphthalene
Concen: 4.865 ng/ul
RT: 10.851 min Scan# 1774
Delta R.T. 0.011 min
Lab File: BM041866.D
Acq: 14 Sep 2023 14:24

Tgt Ion: 128 Resp: 366012
Ion Ratio Lower Upper
128 100
129 12.1 9.5 14.3
127 13.3 10.7 16.1





#7

2-Methylnaphthalene

Concen: 2.887 ng/ul

RT: 12.456 min Scan# 2066

Delta R.T. 0.011 min

Lab File: BM041866.D

Acq: 14 Sep 2023 14:24

Instrument :

BNA_M

ClientSampleId :

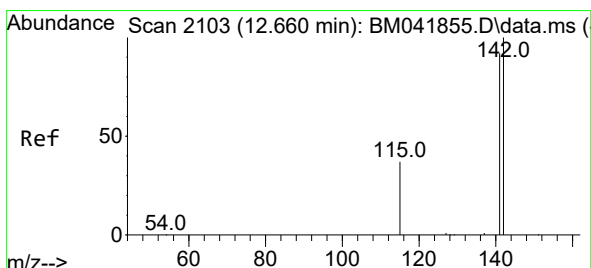
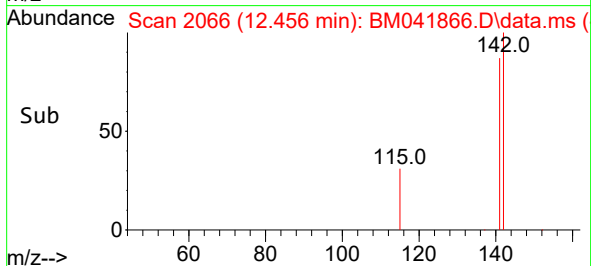
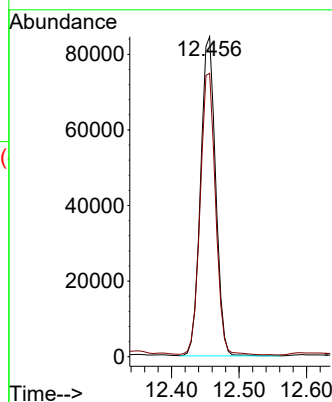
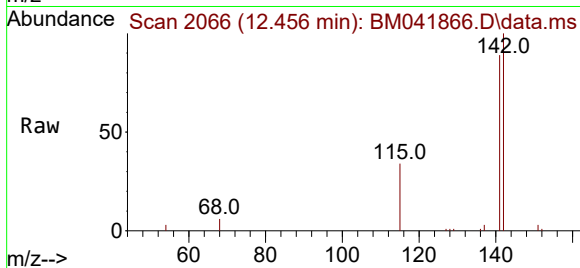
EZYD4

Tgt Ion:142 Resp: 130535

Ion Ratio Lower Upper

142 100

141 89.7 72.1 108.1



#8

1-Methylnaphthalene

Concen: 1.805 ng/ul

RT: 12.676 min Scan# 2106

Delta R.T. 0.011 min

Lab File: BM041866.D

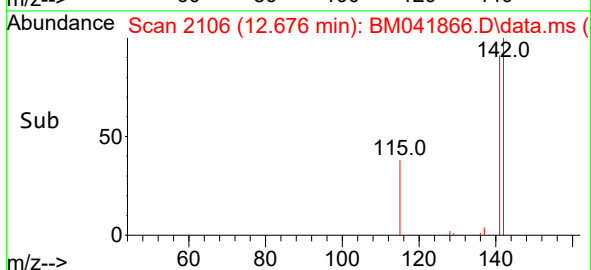
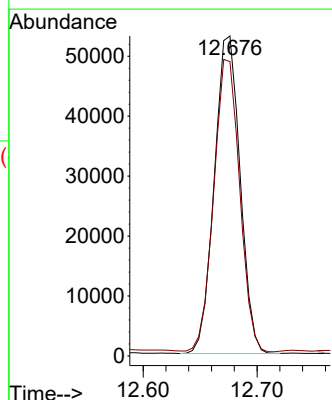
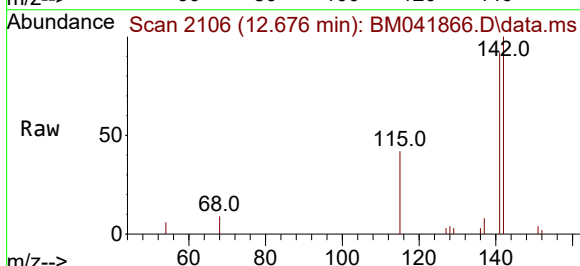
Acq: 14 Sep 2023 14:24

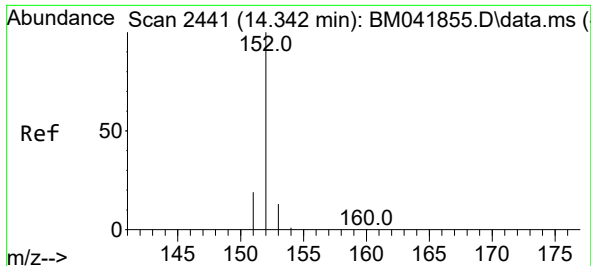
Tgt Ion:142 Resp: 83249

Ion Ratio Lower Upper

142 100

141 92.4 74.3 111.5

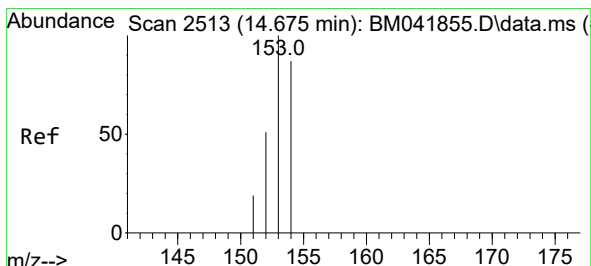
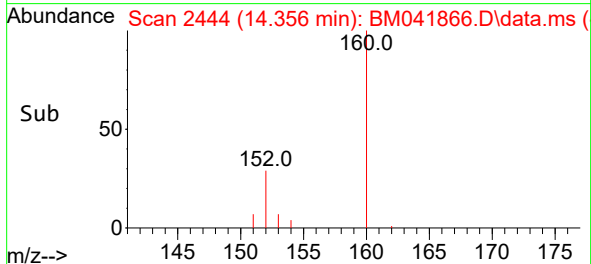
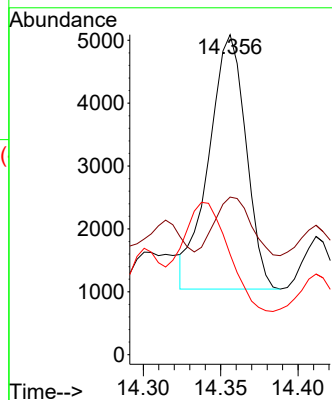
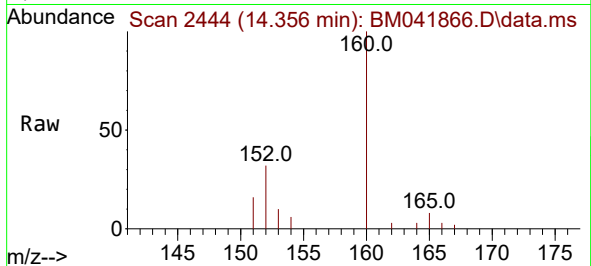




#10
Acenaphthylene
Concen: 0.097 ng/ul
RT: 14.356 min Scan# 2444
Delta R.T. 0.014 min
Lab File: BM041866.D
Acq: 14 Sep 2023 14:24

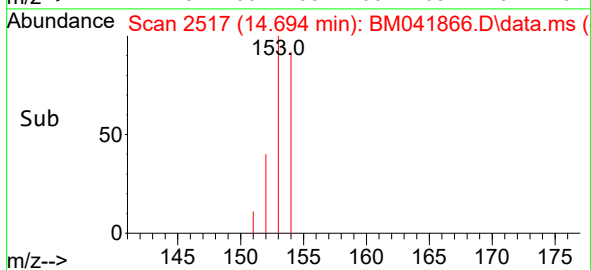
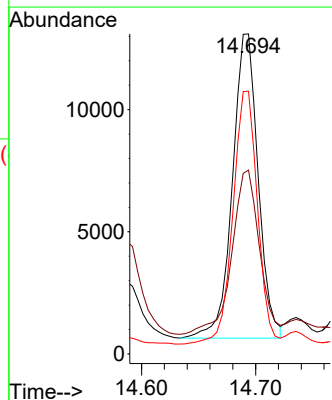
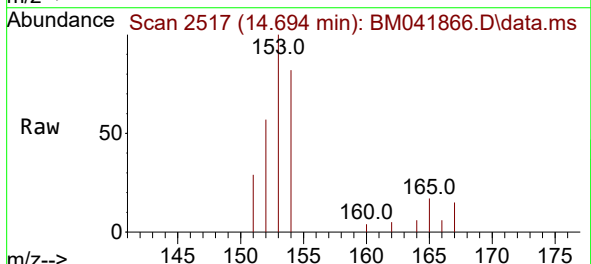
Instrument :
BNA_M
ClientSampleId :
EZYD4

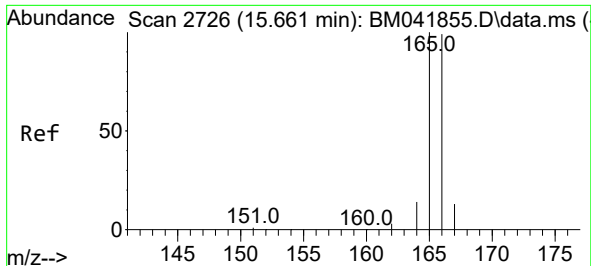
Tgt Ion:152 Resp: 6763
Ion Ratio Lower Upper
152 100
151 49.2 16.3 24.5#
153 31.3 10.9 16.3#



#11
Acenaphthene
Concen: 0.366 ng/ul
RT: 14.694 min Scan# 2517
Delta R.T. 0.014 min
Lab File: BM041866.D
Acq: 14 Sep 2023 14:24

Tgt Ion:153 Resp: 19494
Ion Ratio Lower Upper
153 100
152 57.5 41.5 62.3
154 82.1 70.7 106.1

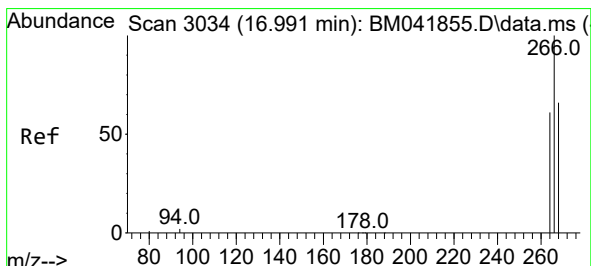
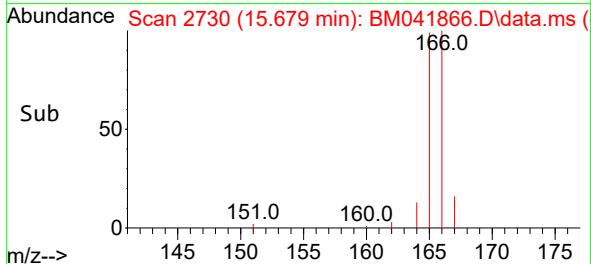
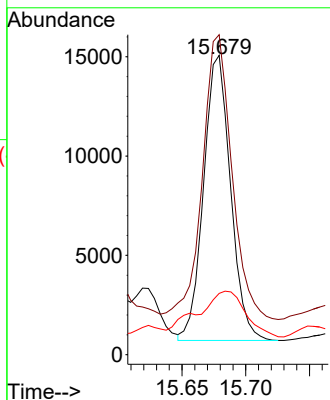
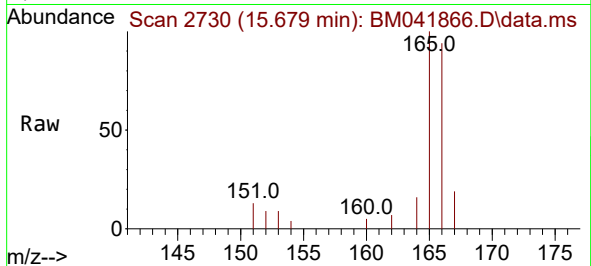




#12
Fluorene
Concen: 0.339 ng/ul
RT: 15.679 min Scan# 21101
Delta R.T. 0.014 min
Lab File: BM041866.D
Acq: 14 Sep 2023 14:24

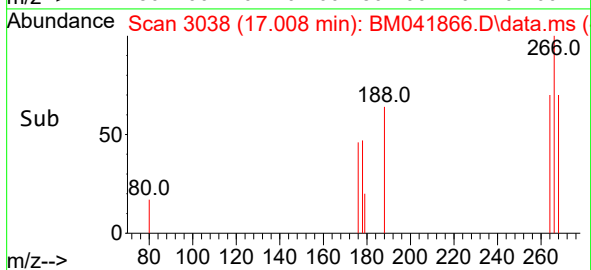
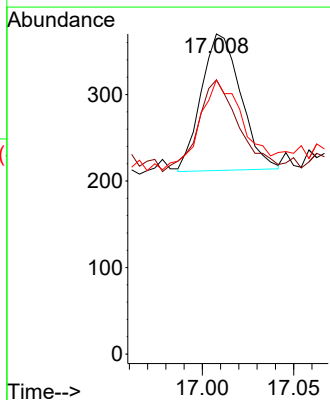
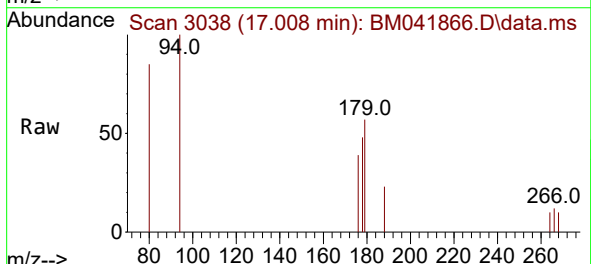
Instrument :
BNA_M
ClientSampleId :
EZYD4

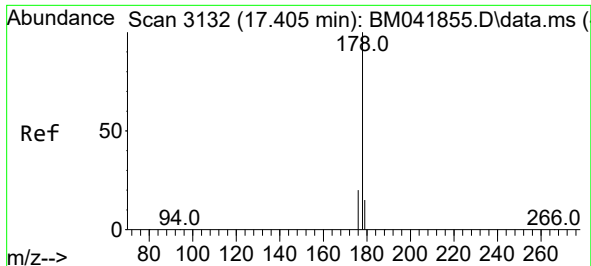
Tgt Ion:166 Resp: 21101
Ion Ratio Lower Upper
166 100
165 106.9 79.3 118.9
167 20.5 11.2 16.8#



#14
Pentachlorophenol
Concen: 0.024 ng/ul
RT: 17.008 min Scan# 3038
Delta R.T. 0.017 min
Lab File: BM041866.D
Acq: 14 Sep 2023 14:24

Tgt Ion:266 Resp: 237
Ion Ratio Lower Upper
266 100
264 73.8 49.4 74.2
268 82.7 50.3 75.5#

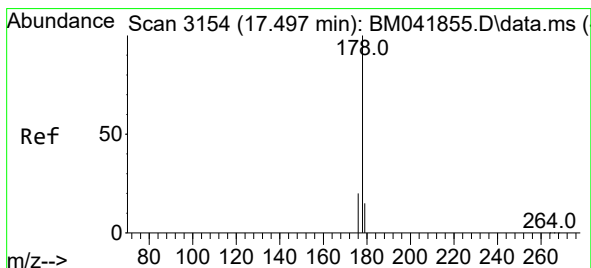
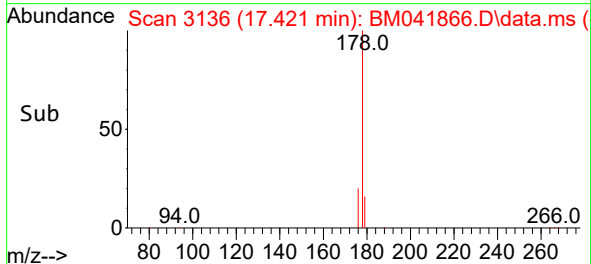
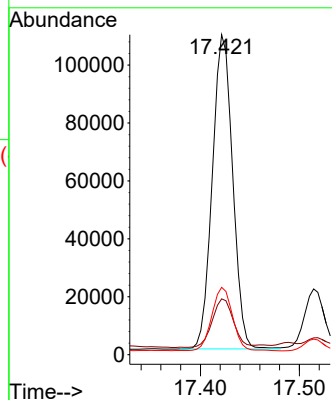
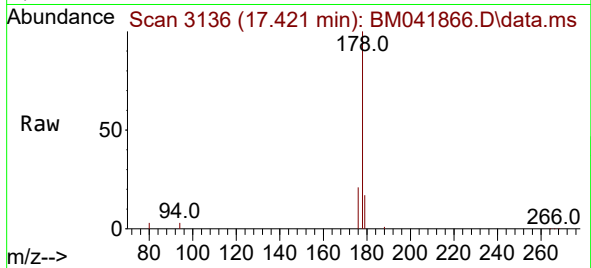




#15
Phenanthrene
Concen: 2.076 ng/ul
RT: 17.421 min Scan# 3132
Delta R.T. 0.013 min
Lab File: BM041866.D
Acq: 14 Sep 2023 14:24

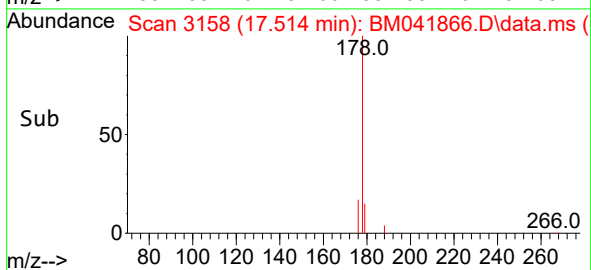
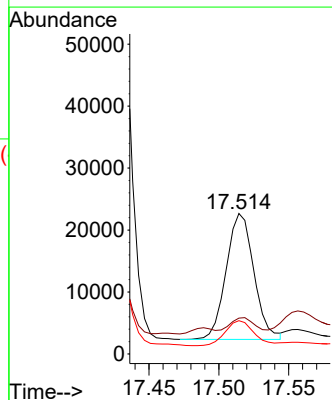
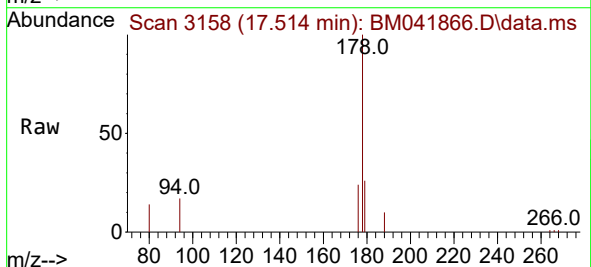
Instrument :
BNA_M
ClientSampleId :
EZYD4

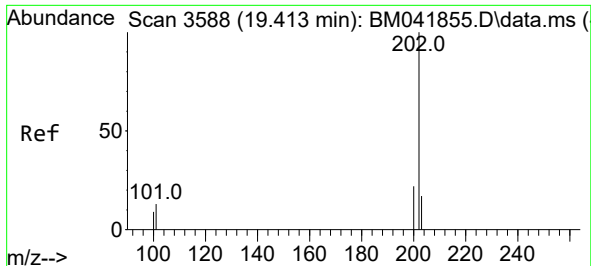
Tgt Ion:178 Resp: 154815
Ion Ratio Lower Upper
178 100
179 17.5 12.6 19.0
176 21.1 16.6 25.0



#16
Anthracene
Concen: 0.431 ng/ul
RT: 17.514 min Scan# 3158
Delta R.T. 0.013 min
Lab File: BM041866.D
Acq: 14 Sep 2023 14:24

Tgt Ion:178 Resp: 28039
Ion Ratio Lower Upper
178 100
179 25.5 12.7 19.1#
176 23.7 16.1 24.1

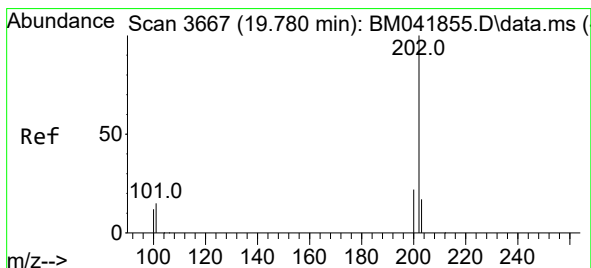
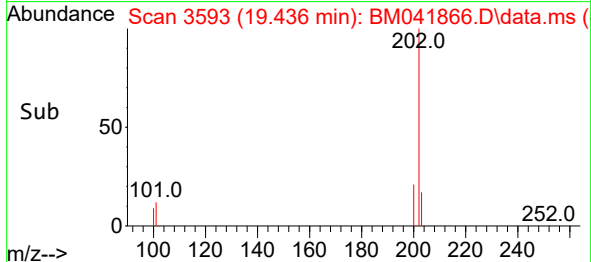
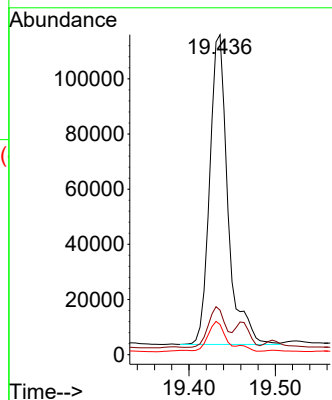
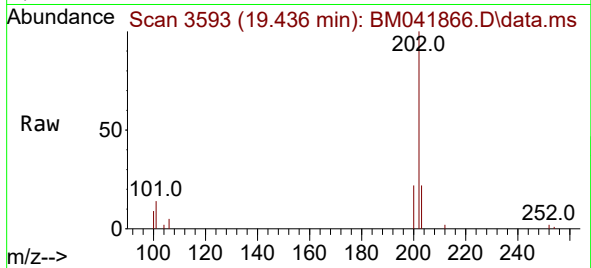




#19
Fluoranthene
Concen: 2.471 ng/ul
RT: 19.436 min Scan# 3593
Delta R.T. 0.018 min
Lab File: BM041866.D
Acq: 14 Sep 2023 14:24

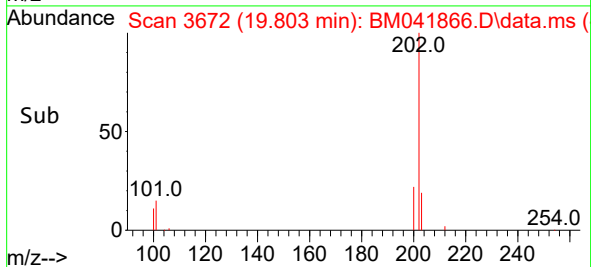
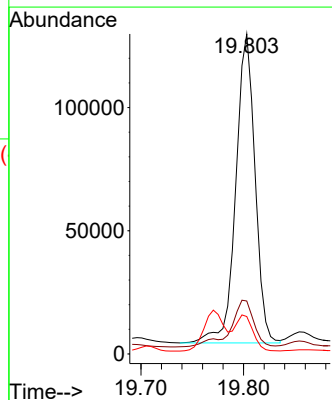
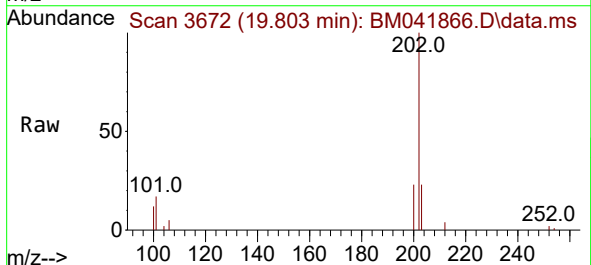
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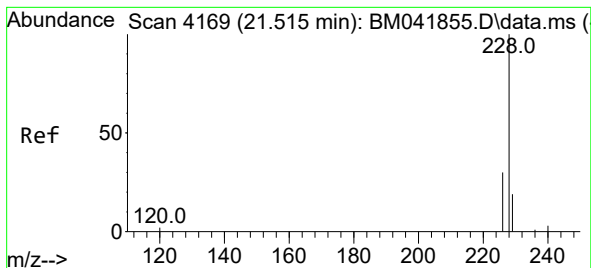
Tgt Ion:202 Resp: 164961
Ion Ratio Lower Upper
202 100
101 13.9 11.0 16.6
100 9.5 8.2 12.4



#20
Pyrene
Concen: 2.333 ng/ul
RT: 19.803 min Scan# 3672
Delta R.T. 0.018 min
Lab File: BM041866.D
Acq: 14 Sep 2023 14:24

Tgt Ion:202 Resp: 163035
Ion Ratio Lower Upper
202 100
101 16.5 12.6 19.0
100 11.7 9.9 14.9





#21

Benzo(a)anthracene

Concen: 1.164 ng/ul

RT: 21.539 min Scan# 41

Delta R.T. 0.017 min

Lab File: BM041866.D

Acq: 14 Sep 2023 14:24

Instrument :

BNA_M

ClientSampleId :

EZYD4

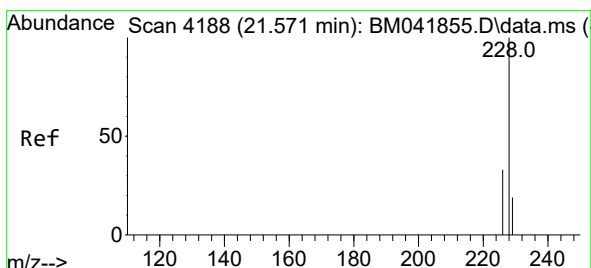
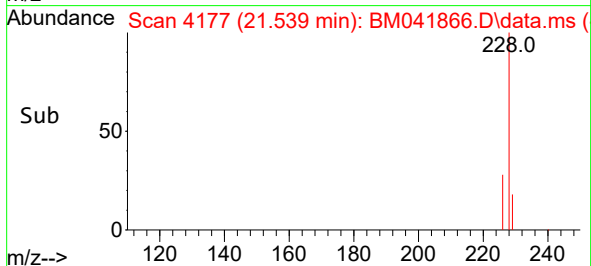
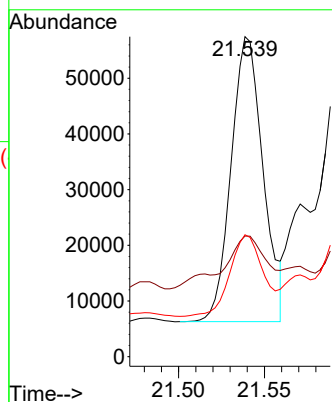
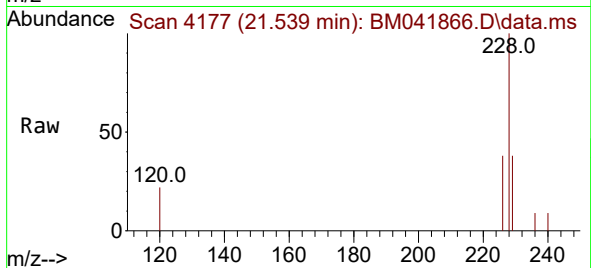
Tgt Ion:228 Resp: 66203

Ion Ratio Lower Upper

228 100

229 37.7 15.8 23.8#

226 38.1 24.3 36.5#



#22

Chrysene

Concen: 1.182 ng/ul

RT: 21.594 min Scan# 4196

Delta R.T. 0.017 min

Lab File: BM041866.D

Acq: 14 Sep 2023 14:24

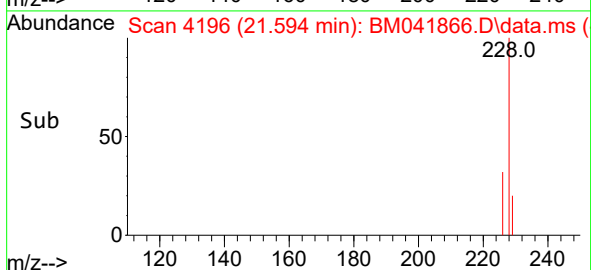
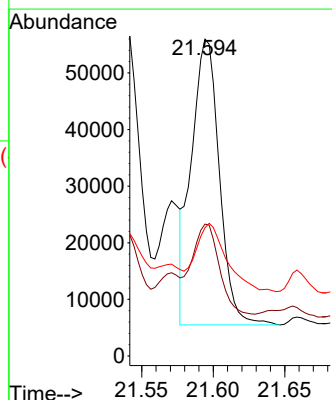
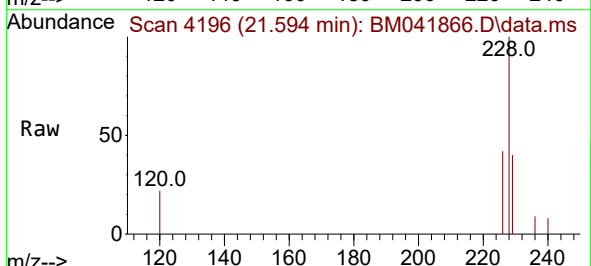
Tgt Ion:228 Resp: 68798

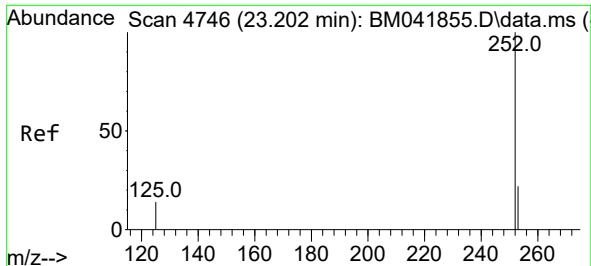
Ion Ratio Lower Upper

228 100

226 41.6 27.0 40.4#

229 40.5 15.7 23.5#

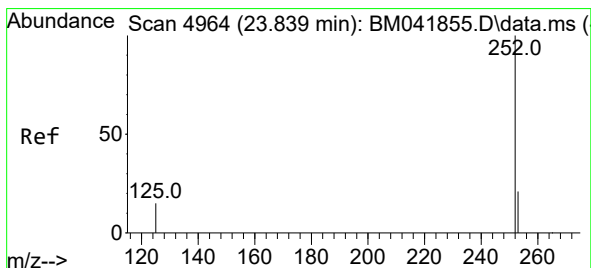
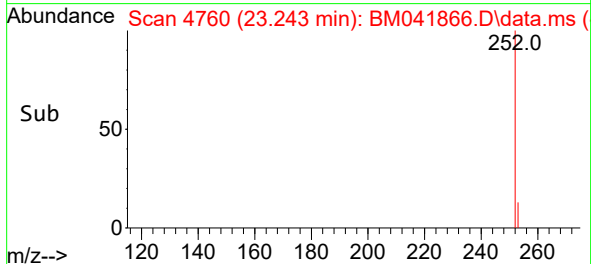
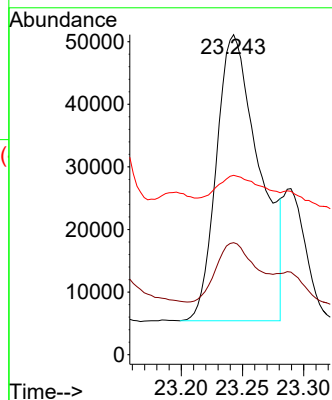
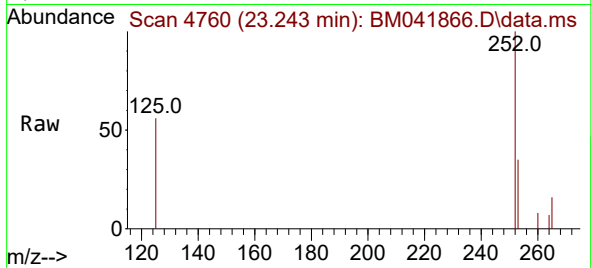




#24
Benzo(b)fluoranthene
Concen: 1.617 ng/ul
RT: 23.243 min Scan# 41
Delta R.T. 0.035 min
Lab File: BM041866.D
Acq: 14 Sep 2023 14:24

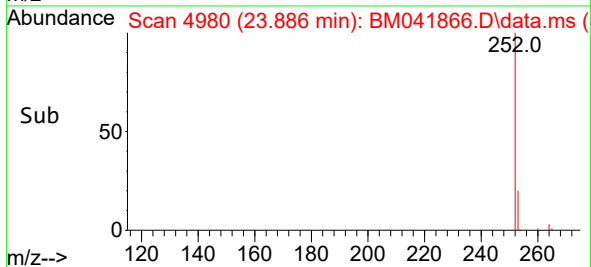
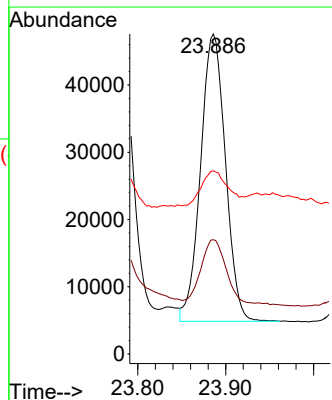
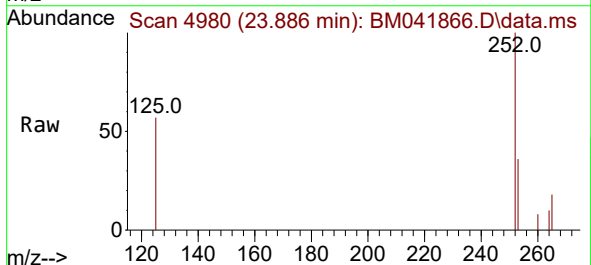
Instrument :
BNA_M
ClientSampleId :
EZYD4

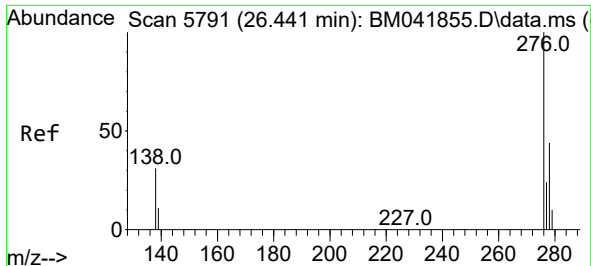
Tgt Ion:252 Resp: 111556
Ion Ratio Lower Upper
252 100
253 35.0 0.0 51.0
125 56.1 0.0 39.8#



#26
Benzo(a)pyrene
Concen: 1.597 ng/ul
RT: 23.886 min Scan# 4980
Delta R.T. 0.041 min
Lab File: BM041866.D
Acq: 14 Sep 2023 14:24

Tgt Ion:252 Resp: 84002
Ion Ratio Lower Upper
252 100
253 35.7 21.8 32.8#
125 57.2 18.8 28.2#

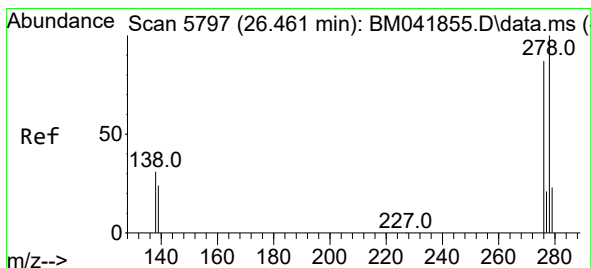
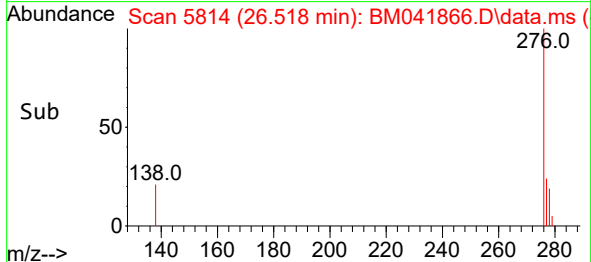
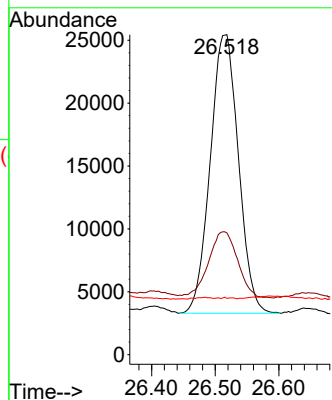
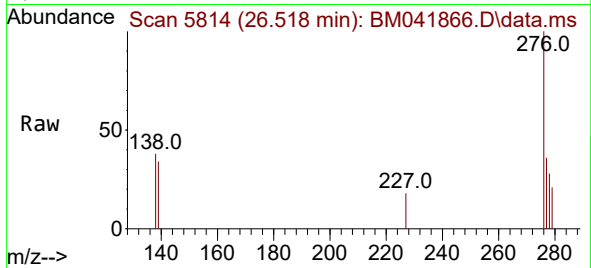




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.844 ng/ul
 RT: 26.518 min Scan# 5814
 Delta R.T. 0.064 min
 Lab File: BM041866.D
 Acq: 14 Sep 2023 14:24

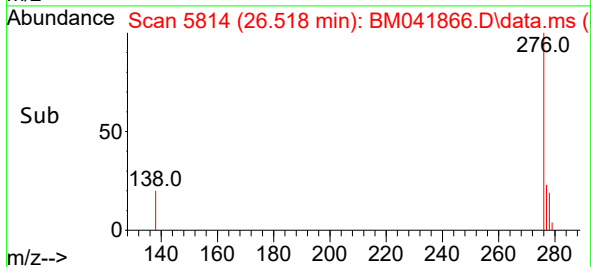
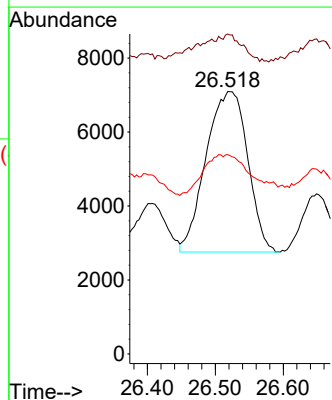
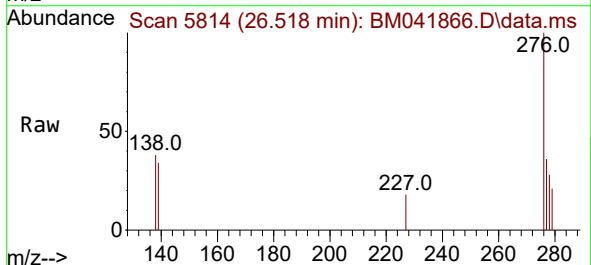
Instrument :
 BNA_M
 ClientSampleId :
 EZYD4

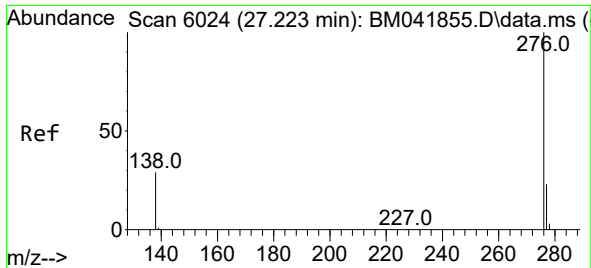
Tgt Ion:276 Resp: 68326
 Ion Ratio Lower Upper
 276 100
 138 24.9 27.7 41.5#
 227 0.0 0.1 0.1#



#28
 Dibenzo(a,h)anthracene
 Concen: 0.309 ng/ul
 RT: 26.518 min Scan# 5814
 Delta R.T. 0.043 min
 Lab File: BM041866.D
 Acq: 14 Sep 2023 14:24

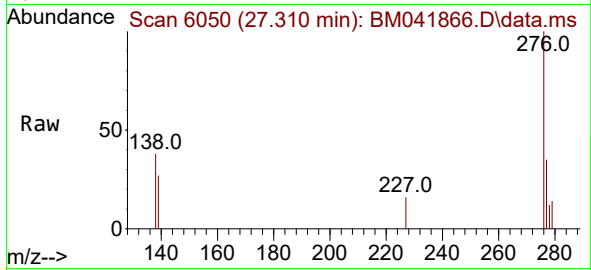
Tgt Ion:278 Resp: 18466
 Ion Ratio Lower Upper
 278 100
 139 121.9 20.9 31.3#
 279 75.9 20.3 30.5#





#29
 Benzo(g,h,i)perylene
 Concen: 1.292 ng/ul
 RT: 27.310 min Scan# 6050
 Delta R.T. 0.074 min
 Lab File: BM041866.D
 Acq: 14 Sep 2023 14:24

Instrument :
 BNA_M
 ClientSampleId :
 EZYD4



Tgt Ion:276 Resp: 88419
 Ion Ratio Lower Upper
 276 100
 138 37.8 24.7 37.1#
 277 34.7 19.3 28.9#

