

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091323\
 Data File : BM041857.D
 Acq On : 14 Sep 2023 08:16
 Operator : MA/JU
 Sample : 04175-17
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EZYD0

Quant Time: Sep 15 00:27:47 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)

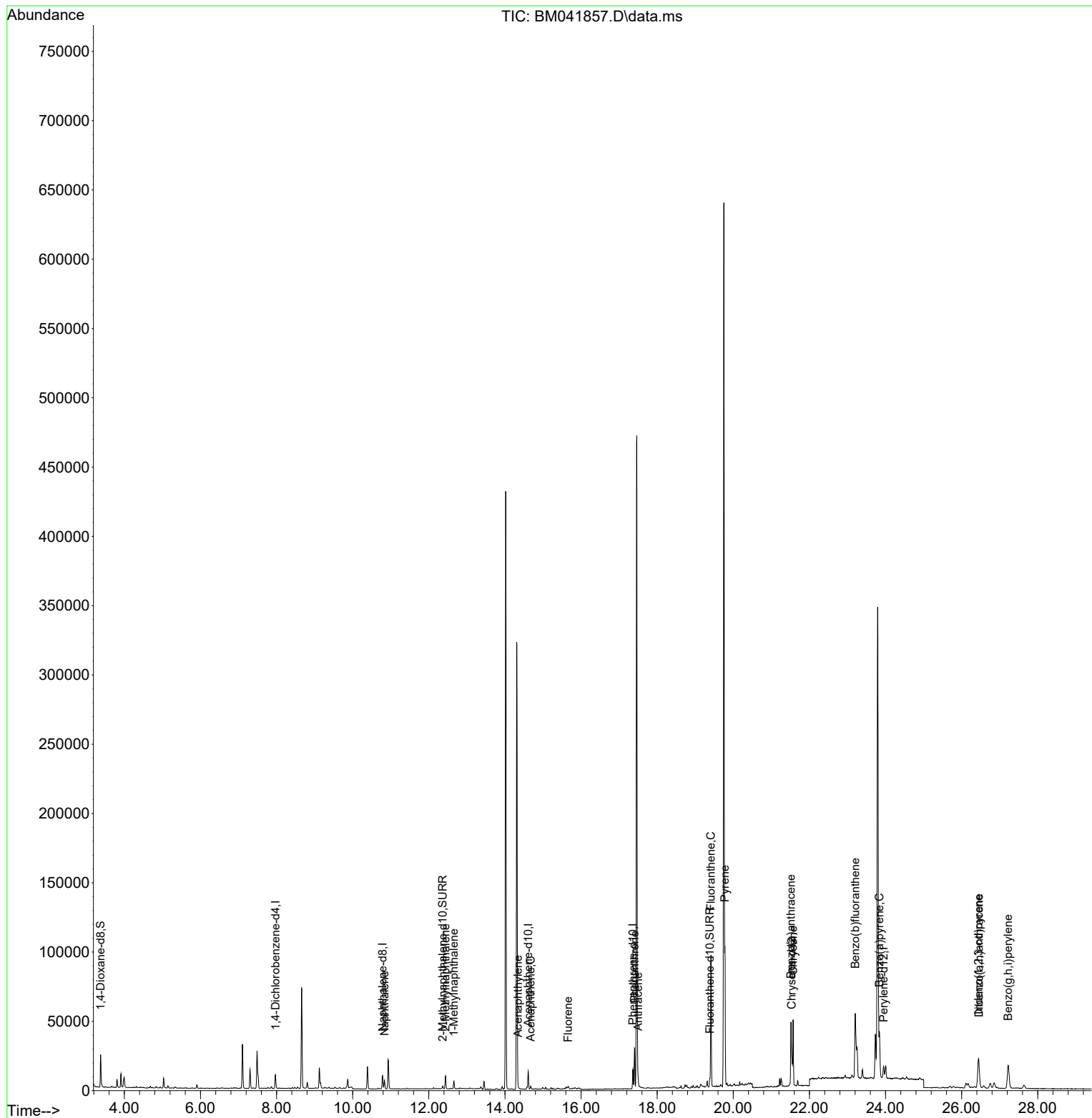
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.971	152	4823	0.400	ng/ul	0.00
4) Naphthalene-d8	10.785	136	12205	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.611	164	6564	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.362	188	14614	0.400	ng/ul	0.00
17) Chrysene-d12	21.533	240	9757	0.400	ng/ul	# 0.00
23) Perylene-d12	23.950	264	11244	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.376	96	14436	2.353	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.363	152	2288	0.138	ng/ul	0.00
18) Fluoranthene-d10	19.385	212	5366	0.160	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.834	128	8211	0.200	ng/ul	98
7) 2-Methylnaphthalene	12.440	142	6431	0.260	ng/ul	100
8) 1-Methylnaphthalene	12.660	142	3768	0.149	ng/ul	99
10) Acenaphthylene	14.342	152	2428	0.059	ng/ul#	87
11) Acenaphthene	14.675	153	1321	0.042	ng/ul	91
12) Fluorene	15.661	166	1182	0.032	ng/ul#	88
15) Phenanthrene	17.405	178	30557	0.479	ng/ul	99
16) Anthracene	17.498	178	6829	0.123	ng/ul#	94
19) Fluoranthene	19.413	202	76179	1.008	ng/ul	100
20) Pyrene	19.780	202	76627	0.968	ng/ul	98
21) Benzo(a)anthracene	21.515	228	37462	0.582	ng/ul	98
22) Chrysene	21.571	228	49045	0.744	ng/ul	97
24) Benzo(b)fluoranthene	23.205	252	80834	1.010	ng/ul	96
26) Benzo(a)pyrene	23.839	252	43603	0.715	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.445	276	36814	0.392	ng/ul#	91
28) Dibenzo(a,h)anthracene	26.455	278	9326	0.135	ng/ul#	75
29) Benzo(g,h,i)perylene	27.223	276	37054	0.467	ng/ul	99

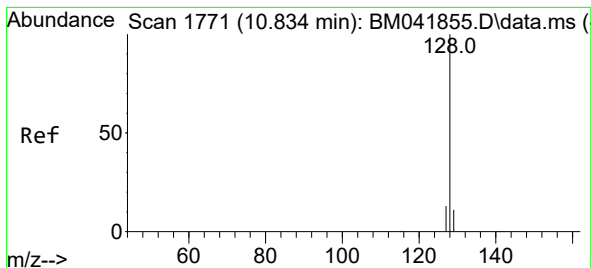
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.200 ng/ul

RT: 10.834 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM041857.D

Acq: 14 Sep 2023 08:16

Instrument :

BNA_M

ClientSampleId :

EZYD0

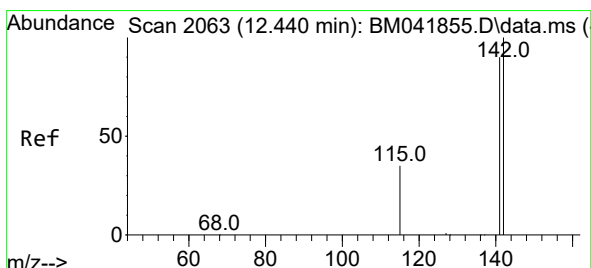
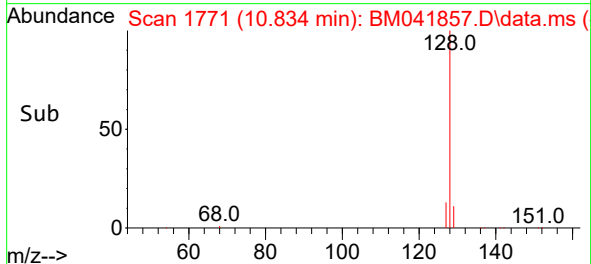
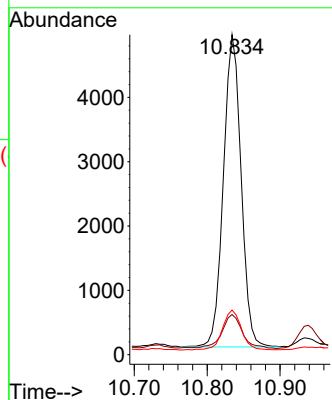
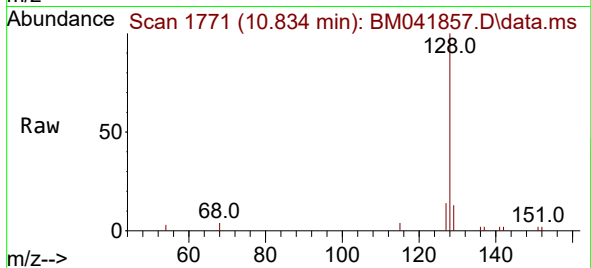
Tgt Ion:128 Resp: 8211

Ion Ratio Lower Upper

128 100

129 12.5 9.5 14.3

127 14.0 10.7 16.1



#7

2-Methylnaphthalene

Concen: 0.260 ng/ul

RT: 12.440 min Scan# 2063

Delta R.T. -0.006 min

Lab File: BM041857.D

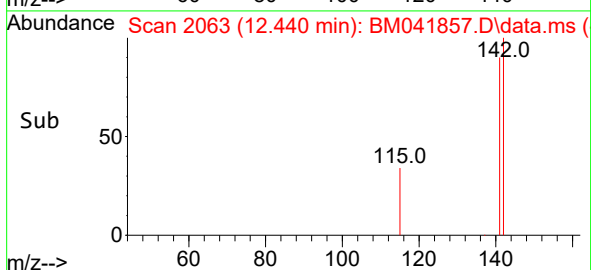
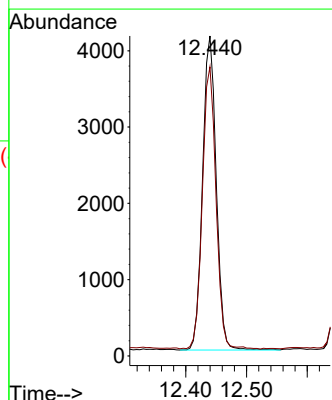
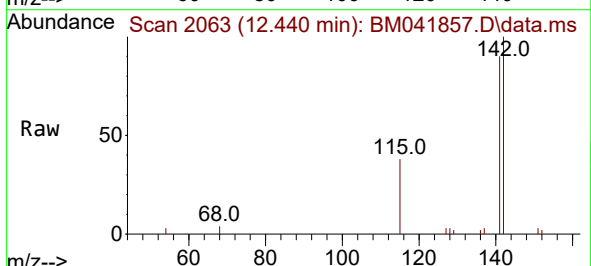
Acq: 14 Sep 2023 08:16

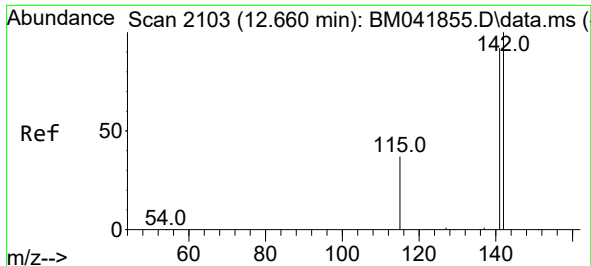
Tgt Ion:142 Resp: 6431

Ion Ratio Lower Upper

142 100

141 89.7 72.1 108.1

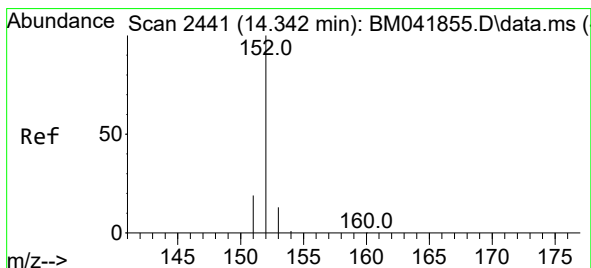
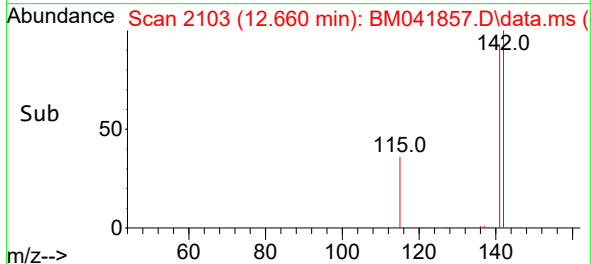
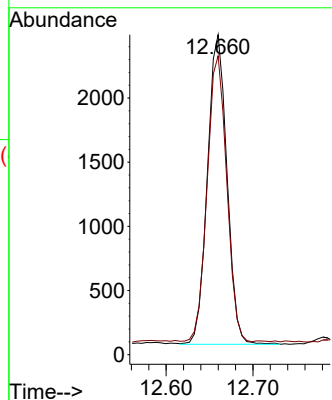
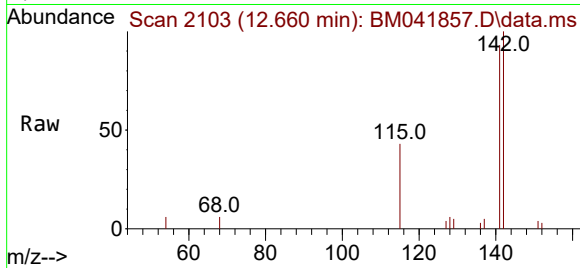




#8
1-Methylnaphthalene
Concen: 0.149 ng/ul
RT: 12.660 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BM041857.D
Acq: 14 Sep 2023 08:16

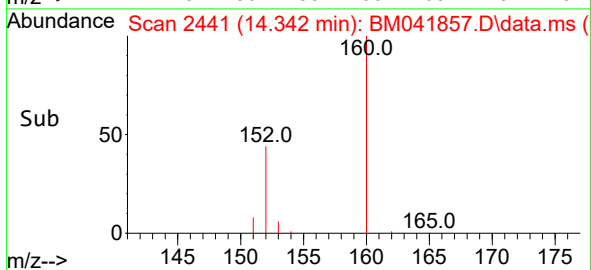
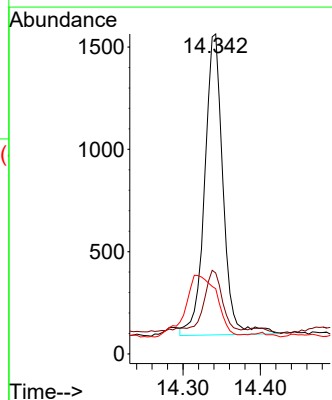
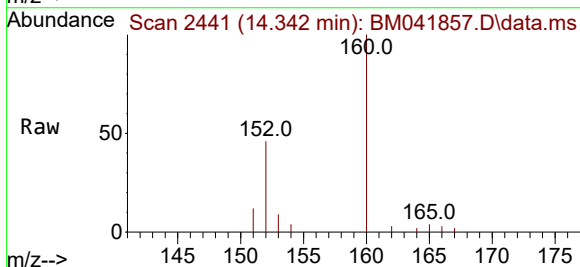
Instrument :
BNA_M
ClientSampleId :
EZYD0

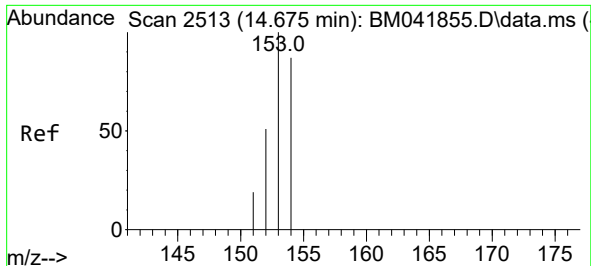
Tgt Ion:142 Resp: 3768
Ion Ratio Lower Upper
142 100
141 92.2 74.3 111.5



#10
Acenaphthylene
Concen: 0.059 ng/ul
RT: 14.342 min Scan# 2441
Delta R.T. -0.000 min
Lab File: BM041857.D
Acq: 14 Sep 2023 08:16

Tgt Ion:152 Resp: 2428
Ion Ratio Lower Upper
152 100
151 25.3 16.3 24.5#
153 20.4 10.9 16.3#

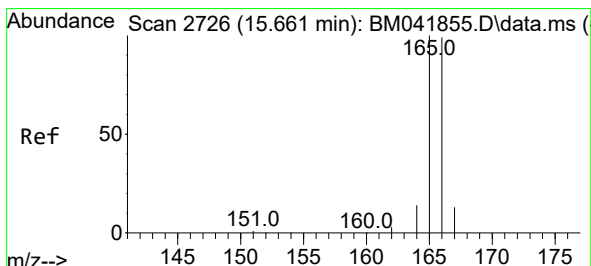
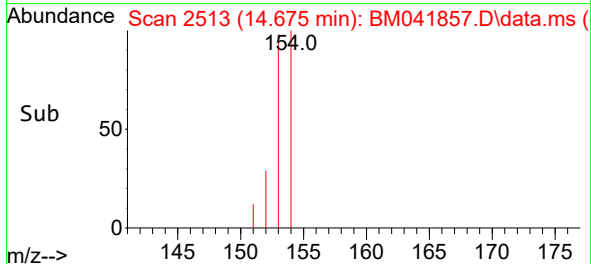
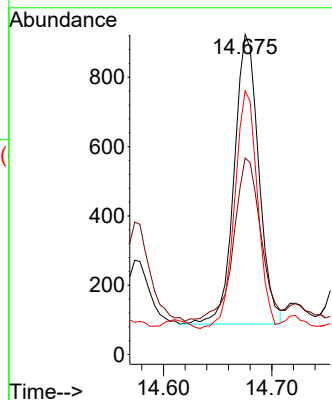
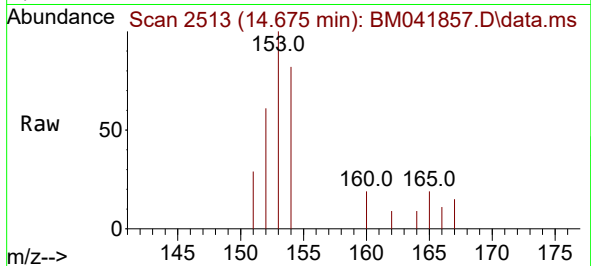




#11
Acenaphthene
Concen: 0.042 ng/ul
RT: 14.675 min Scan# 2513
Delta R.T. -0.005 min
Lab File: BM041857.D
Acq: 14 Sep 2023 08:16

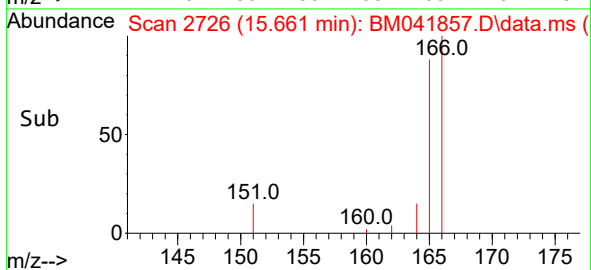
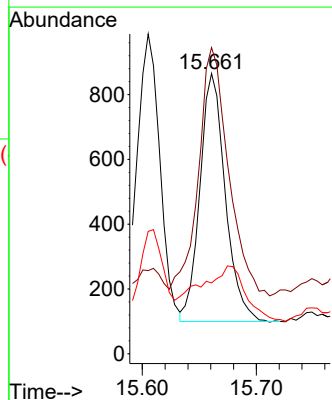
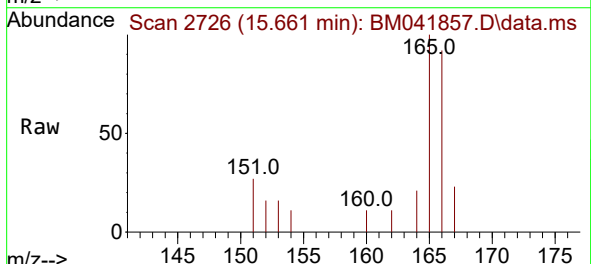
Instrument :
BNA_M
ClientSampleId :
EZYD0

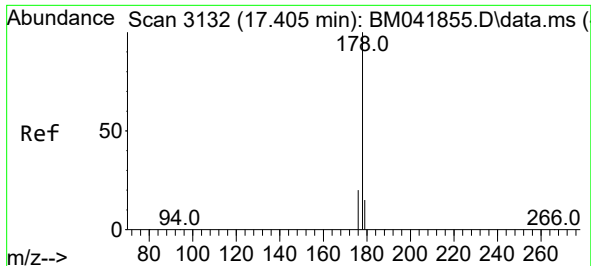
Tgt Ion:153 Resp: 1321
Ion Ratio Lower Upper
153 100
152 61.4 41.5 62.3
154 82.4 70.7 106.1



#12
Fluorene
Concen: 0.032 ng/ul
RT: 15.661 min Scan# 2726
Delta R.T. -0.005 min
Lab File: BM041857.D
Acq: 14 Sep 2023 08:16

Tgt Ion:166 Resp: 1182
Ion Ratio Lower Upper
166 100
165 109.2 79.3 118.9
167 25.3 11.2 16.8#

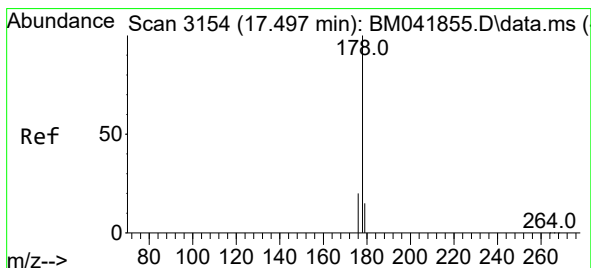
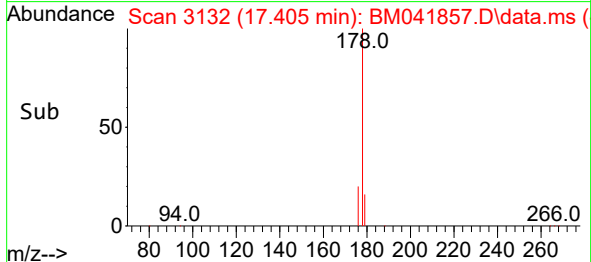
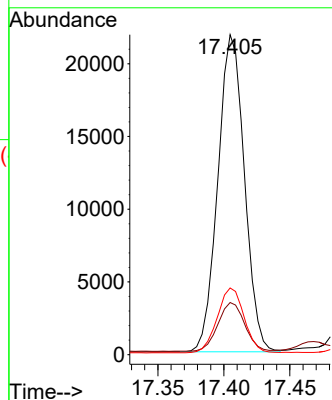
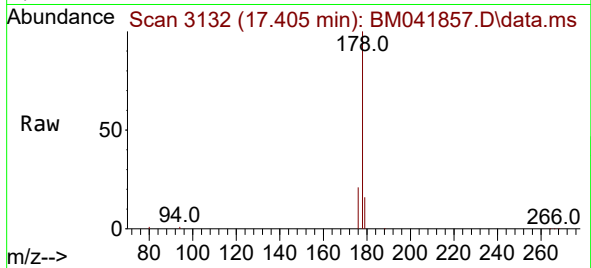




#15
Phenanthrene
Concen: 0.479 ng/ul
RT: 17.405 min Scan# 3132
Delta R.T. -0.004 min
Lab File: BM041857.D
Acq: 14 Sep 2023 08:16

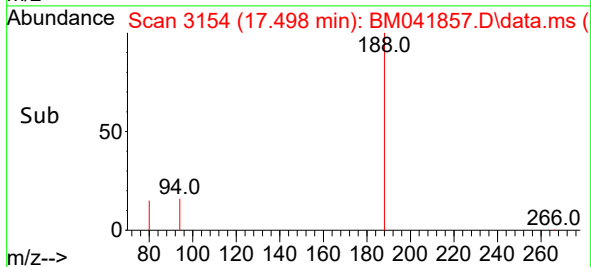
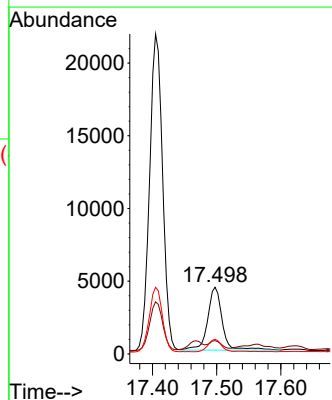
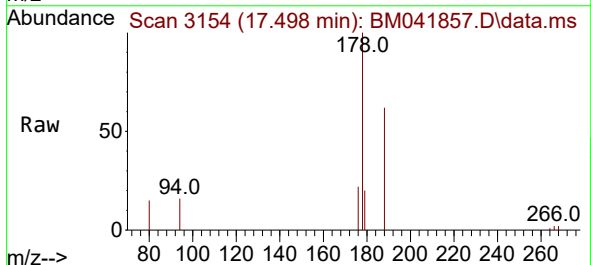
Instrument :
BNA_M
ClientSampleId :
EZYD0

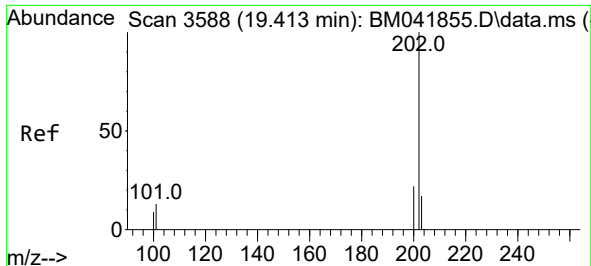
Tgt Ion:178 Resp: 30557
Ion Ratio Lower Upper
178 100
179 16.3 12.6 19.0
176 20.8 16.6 25.0



#16
Anthracene
Concen: 0.123 ng/ul
RT: 17.498 min Scan# 3154
Delta R.T. -0.004 min
Lab File: BM041857.D
Acq: 14 Sep 2023 08:16

Tgt Ion:178 Resp: 6829
Ion Ratio Lower Upper
178 100
179 19.8 12.7 19.1#
176 22.1 16.1 24.1

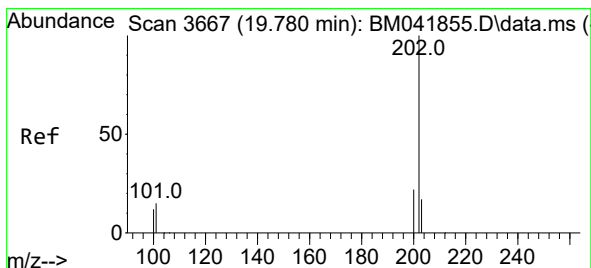
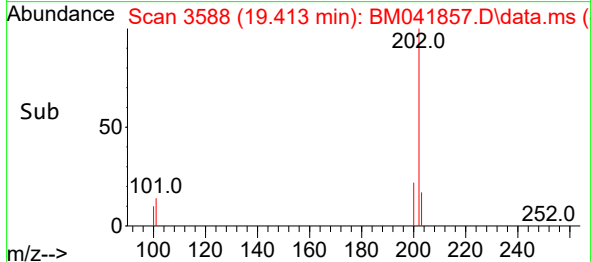
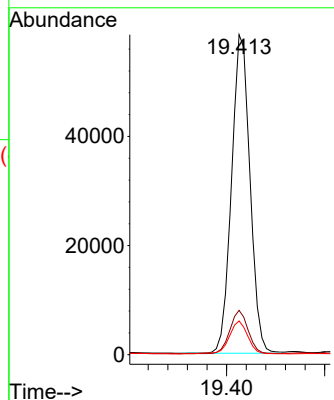
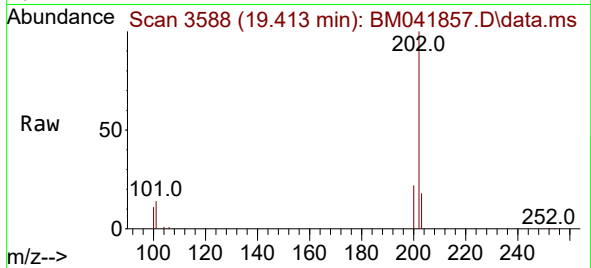




#19
Fluoranthene
Concen: 1.008 ng/ul
RT: 19.413 min Scan# 3588
Delta R.T. -0.005 min
Lab File: BM041857.D
Acq: 14 Sep 2023 08:16

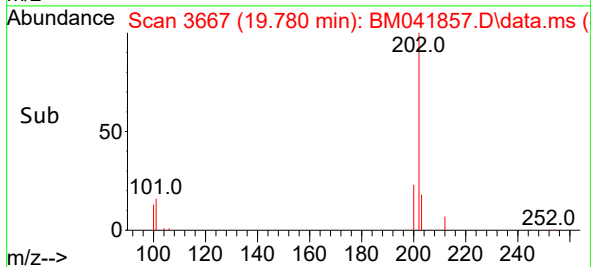
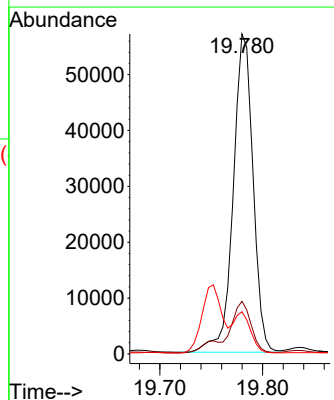
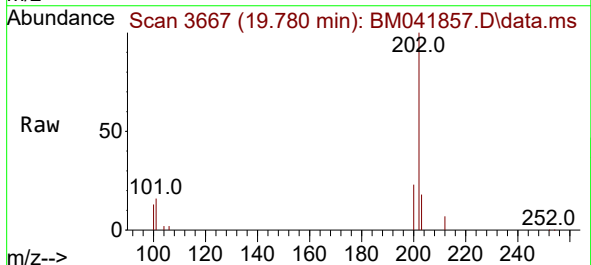
Instrument :
BNA_M
ClientSampleId :
EZYD0

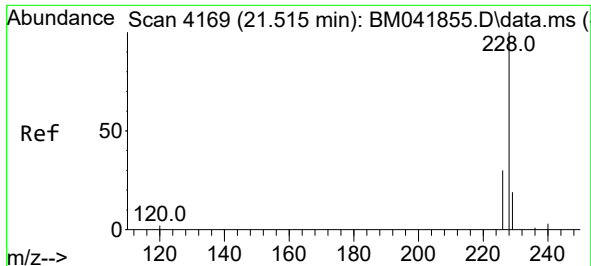
Tgt Ion:202 Resp: 76179
Ion Ratio Lower Upper
202 100
101 13.9 11.0 16.6
100 10.5 8.2 12.4



#20
Pyrene
Concen: 0.968 ng/ul
RT: 19.780 min Scan# 3667
Delta R.T. -0.005 min
Lab File: BM041857.D
Acq: 14 Sep 2023 08:16

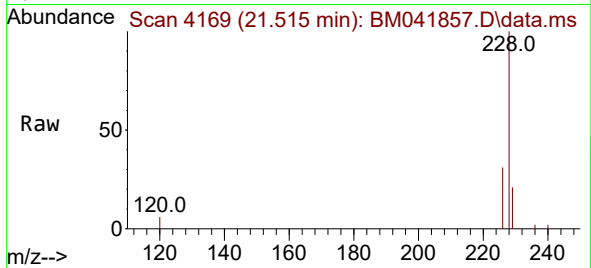
Tgt Ion:202 Resp: 76627
Ion Ratio Lower Upper
202 100
101 16.4 12.6 19.0
100 13.2 9.9 14.9



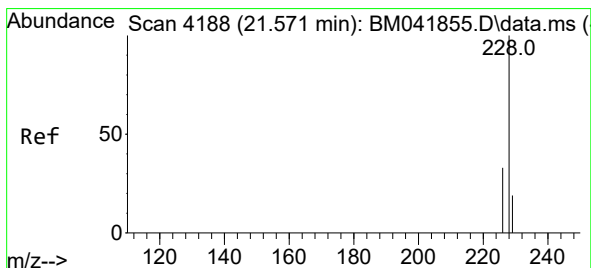
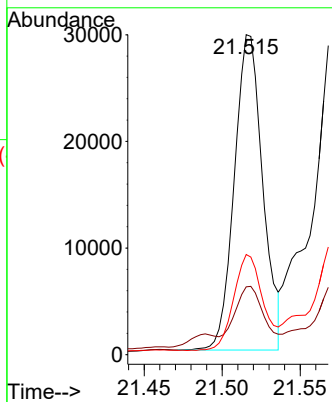
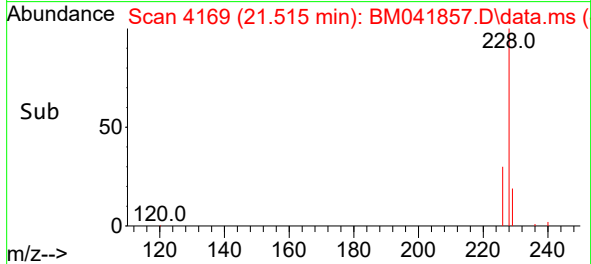


#21
Benzo(a)anthracene
Concen: 0.582 ng/ul
RT: 21.515 min Scan# 4169
Delta R.T. -0.006 min
Lab File: BM041857.D
Acq: 14 Sep 2023 08:16

Instrument :
BNA_M
ClientSampleId :
EZYD0

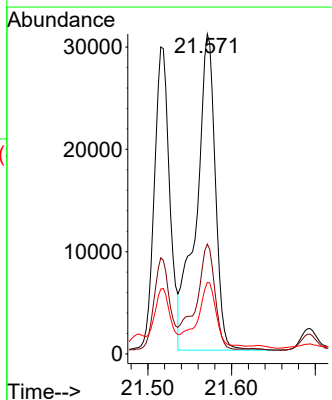
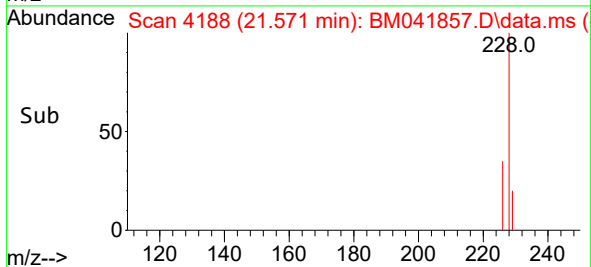
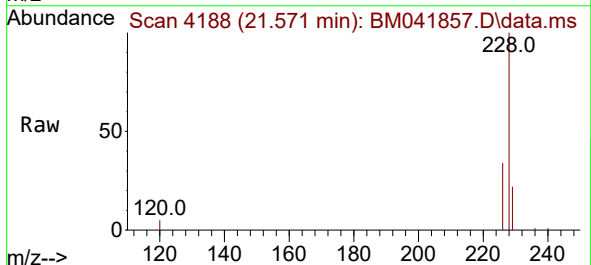


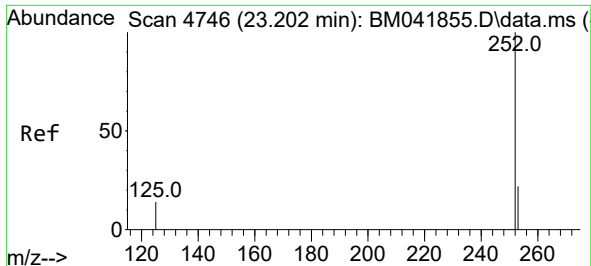
Tgt Ion:228 Resp: 37462
Ion Ratio Lower Upper
228 100
229 21.2 15.8 23.8
226 31.3 24.3 36.5



#22
Chrysene
Concen: 0.744 ng/ul
RT: 21.571 min Scan# 4188
Delta R.T. -0.006 min
Lab File: BM041857.D
Acq: 14 Sep 2023 08:16

Tgt Ion:228 Resp: 49045
Ion Ratio Lower Upper
228 100
226 34.4 27.0 40.4
229 22.4 15.7 23.5

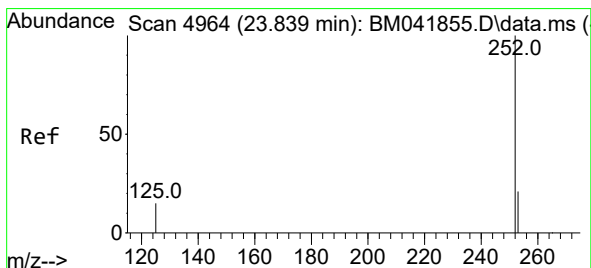
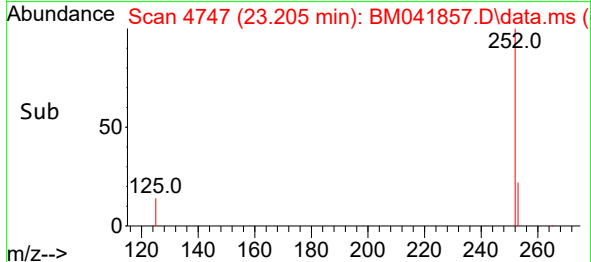
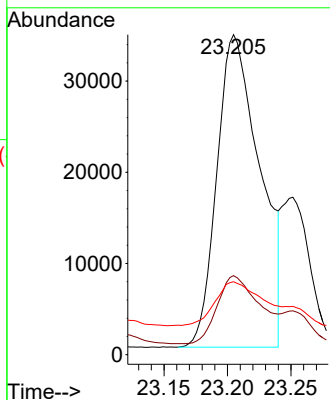
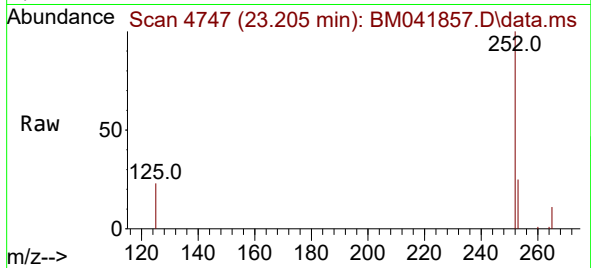




#24
Benzo(b)fluoranthene
Concen: 1.010 ng/ul
RT: 23.205 min Scan# 4747
Delta R.T. -0.003 min
Lab File: BM041857.D
Acq: 14 Sep 2023 08:16

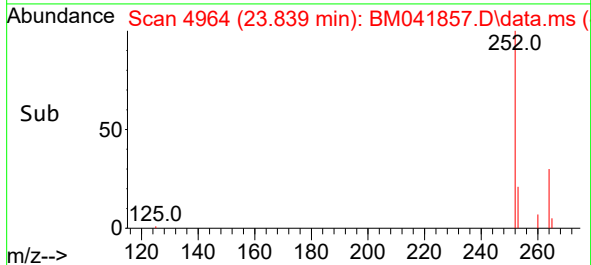
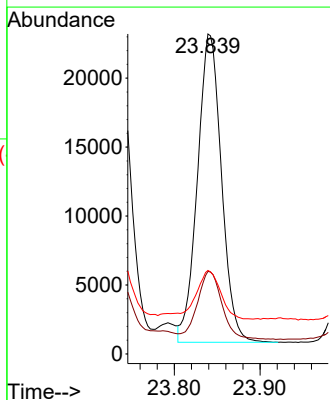
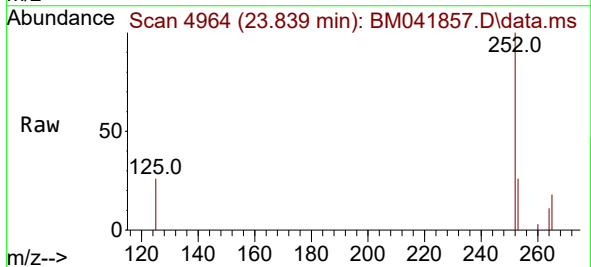
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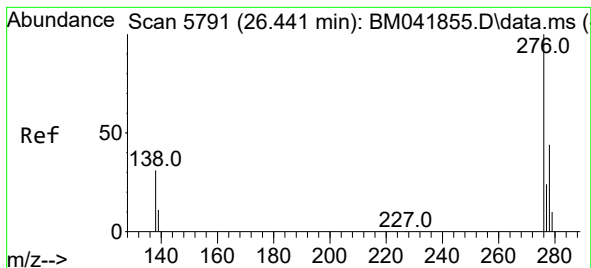
Tgt Ion:252 Resp: 80834
Ion Ratio Lower Upper
252 100
253 24.7 0.0 51.0
125 22.8 0.0 39.8



#26
Benzo(a)pyrene
Concen: 0.715 ng/ul
RT: 23.839 min Scan# 4964
Delta R.T. -0.006 min
Lab File: BM041857.D
Acq: 14 Sep 2023 08:16

Tgt Ion:252 Resp: 43603
Ion Ratio Lower Upper
252 100
253 25.8 21.8 32.8
125 26.1 18.8 28.2





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.392 ng/ul

RT: 26.445 min Scan# 5

Delta R.T. -0.010 min

Lab File: BM041857.D

Acq: 14 Sep 2023 08:16

Instrument :

BNA_M

ClientSampleId :

EZYD0

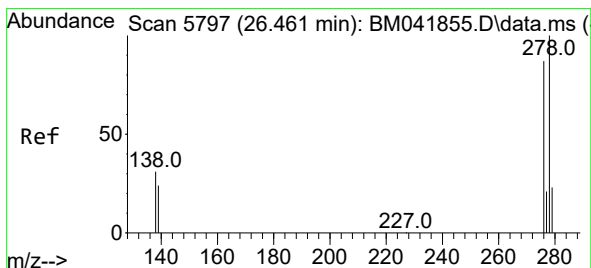
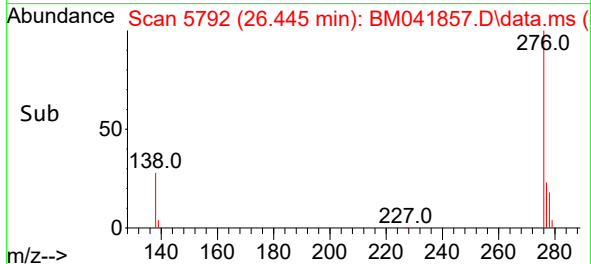
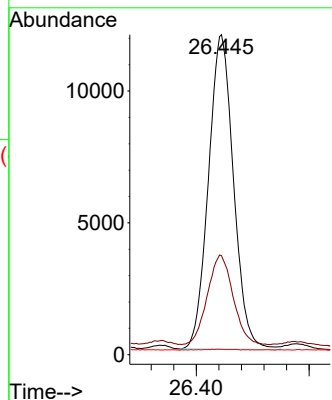
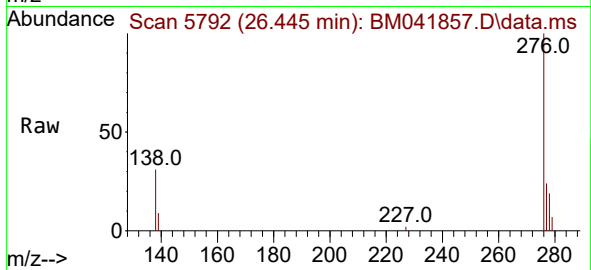
Tgt Ion:276 Resp: 36814

Ion Ratio Lower Upper

276 100

138 29.6 27.7 41.5

227 0.2 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 0.135 ng/ul

RT: 26.455 min Scan# 5795

Delta R.T. -0.020 min

Lab File: BM041857.D

Acq: 14 Sep 2023 08:16

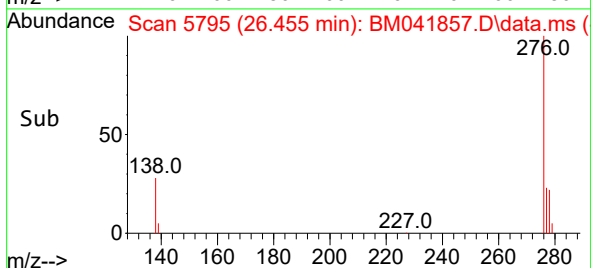
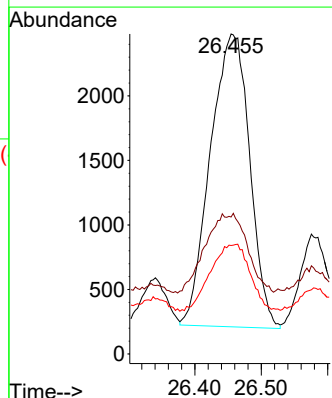
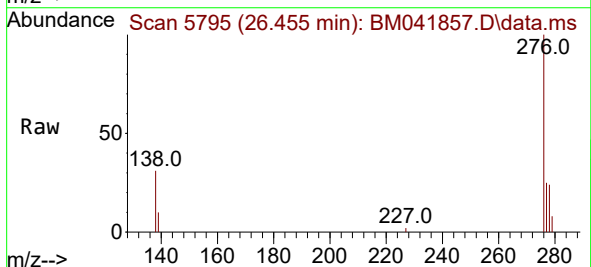
Tgt Ion:278 Resp: 9326

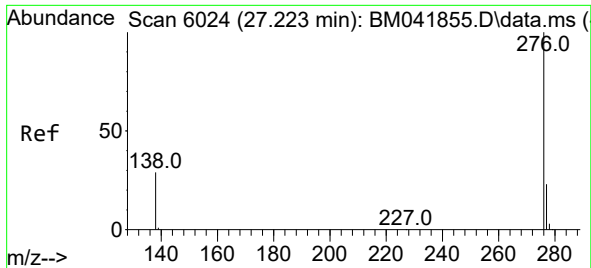
Ion Ratio Lower Upper

278 100

139 42.8 20.9 31.3#

279 33.9 20.3 30.5#





#29
 Benzo(g,h,i)perylene
 Concen: 0.467 ng/ul
 RT: 27.223 min Scan# 60
 Delta R.T. -0.013 min
 Lab File: BM041857.D
 Acq: 14 Sep 2023 08:16

Instrument :
 BNA_M
 ClientSampleId :
 EZYD0

Tgt Ion:	276	Resp:	37054
Ion Ratio	Lower	Upper	
276	100		
138	31.6	24.7	37.1
277	24.6	19.3	28.9

