

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091323\
 Data File : BM041878.D
 Acq On : 14 Sep 2023 23:43
 Operator : MA/JU
 Sample : 04175-21DL 50X
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EZYD4DL

Quant Time: Sep 15 00:31:27 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)

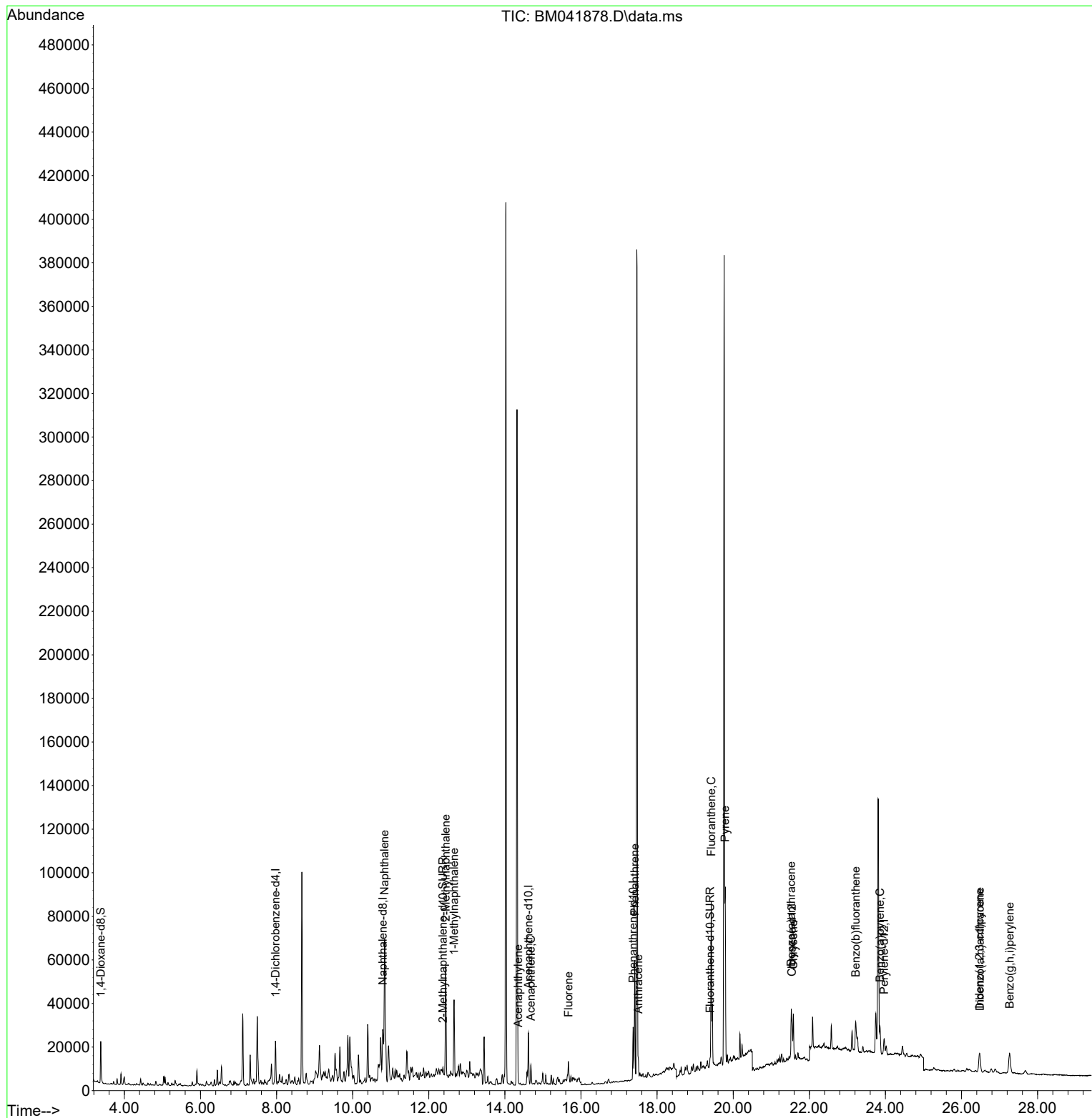
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	9089	0.400	ng/ul	0.00
4) Naphthalene-d8	10.790	136	24196	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.620	164	12393	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.371	188	25382	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.542	240	9267	0.400	ng/ul	# 0.00
23) Perylene-d12	23.968	264	9194	0.400	ng/ul	# 0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	11171	0.966	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.368	152	3213	0.098	ng/ul	0.00
18) Fluoranthene-d10	19.394	212	3768	0.119	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.840	128	94601	1.160	ng/ul	100
7) 2-Methylnaphthalene	12.445	142	35210	0.718	ng/ul	100
8) 1-Methylnaphthalene	12.665	142	22592	0.452	ng/ul	100
10) Acenaphthylene	14.347	152	1855	0.024	ng/ul#	35
11) Acenaphthene	14.680	153	5394	0.091	ng/ul	94
12) Fluorene	15.670	166	6212	0.089	ng/ul#	93
15) Phenanthrene	17.413	178	55748	0.503	ng/ul	98
16) Anthracene	17.506	178	8889	0.092	ng/ul#	85
19) Fluoranthene	19.422	202	67944	0.947	ng/ul	98
20) Pyrene	19.789	202	64088	0.853	ng/ul	98
21) Benzo(a)anthracene	21.524	228	18285	0.299	ng/ul#	75
22) Chrysene	21.580	228	17074	0.273	ng/ul#	72
24) Benzo(b)fluoranthene	23.220	252	24224	0.370	ng/ul#	33
26) Benzo(a)pyrene	23.857	252	17915	0.359	ng/ul#	41
27) Indeno(1,2,3-cd)pyrene	26.475	276	15095	0.197	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.485	278	4026	0.071	ng/ul#	1
29) Benzo(g,h,i)perylene	27.263	276	19442	0.300	ng/ul#	75

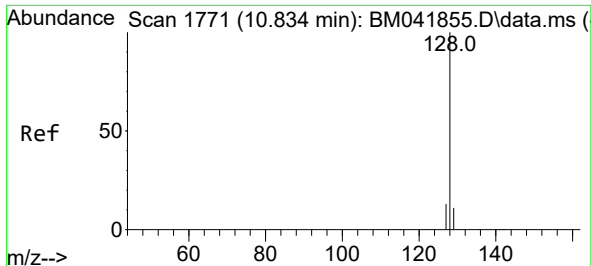
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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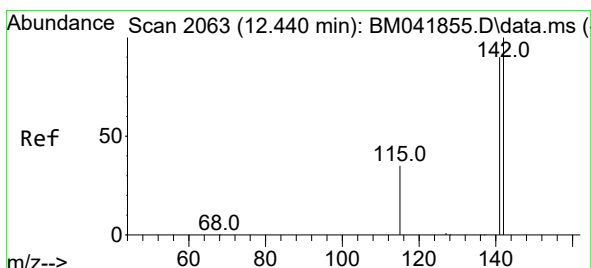
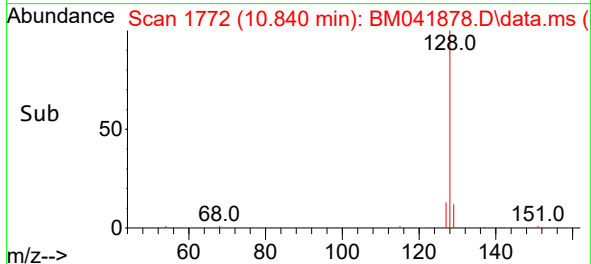
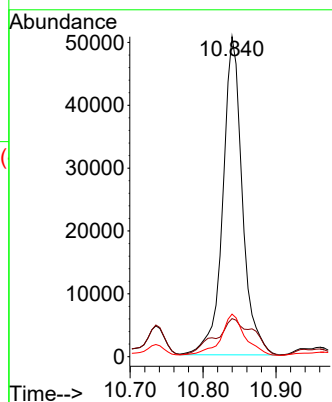
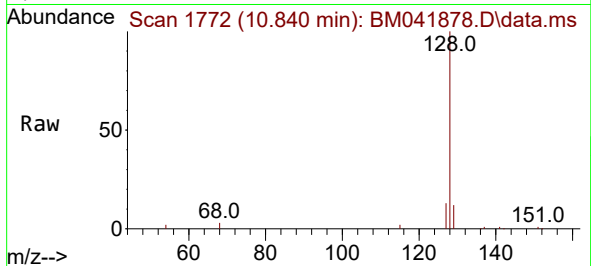




#5
Naphthalene
Concen: 1.160 ng/ul
RT: 10.840 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM041878.D
Acq: 14 Sep 2023 23:43

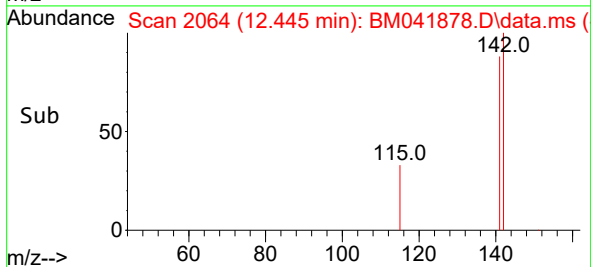
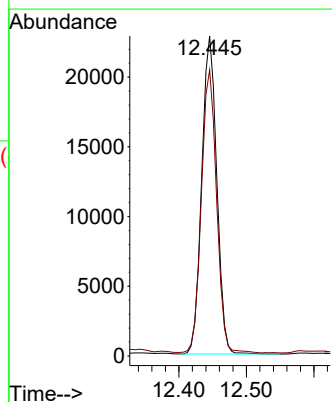
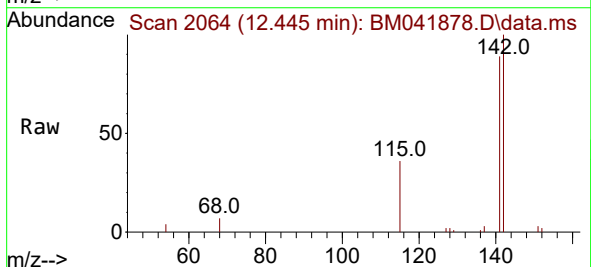
Instrument :
BNA_M
ClientSampleId :
EZYD4DL

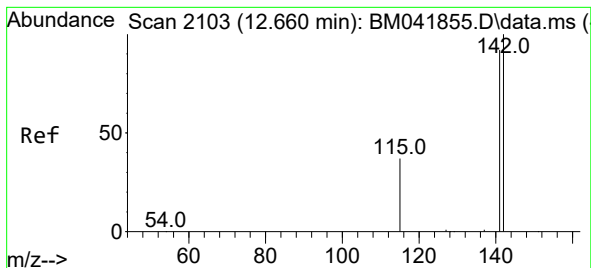
Tgt Ion:128 Resp: 94601
Ion Ratio Lower Upper
128 100
129 11.9 9.5 14.3
127 13.3 10.7 16.1



#7
2-Methylnaphthalene
Concen: 0.718 ng/ul
RT: 12.445 min Scan# 2064
Delta R.T. 0.000 min
Lab File: BM041878.D
Acq: 14 Sep 2023 23:43

Tgt Ion:142 Resp: 35210
Ion Ratio Lower Upper
142 100
141 89.8 72.1 108.1





#8

1-Methylnaphthalene

Concen: 0.452 ng/ul

RT: 12.665 min Scan# 2104

Delta R.T. 0.000 min

Lab File: BM041878.D

Acq: 14 Sep 2023 23:43

Instrument :

BNA_M

ClientSampleId :

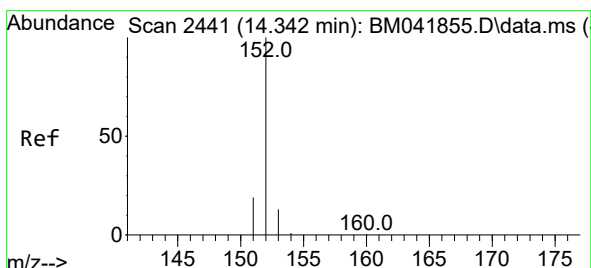
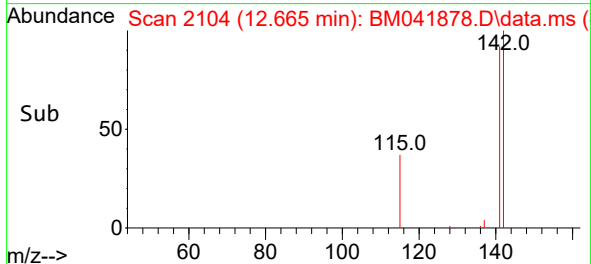
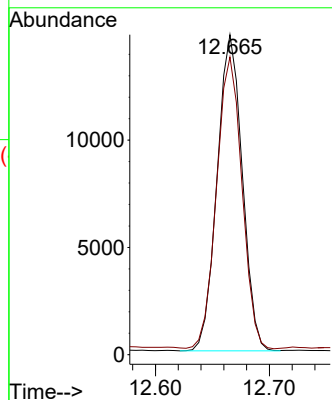
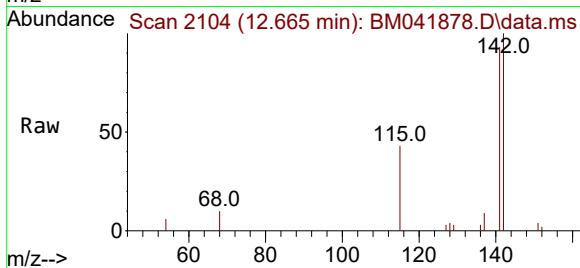
EZYD4DL

Tgt Ion:142 Resp: 22592

Ion Ratio Lower Upper

142 100

141 92.8 74.3 111.5



#10

Acenaphthylene

Concen: 0.024 ng/ul

RT: 14.347 min Scan# 2442

Delta R.T. 0.005 min

Lab File: BM041878.D

Acq: 14 Sep 2023 23:43

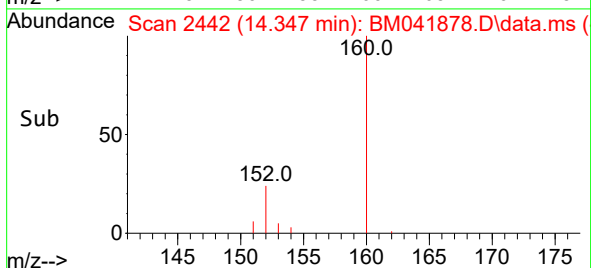
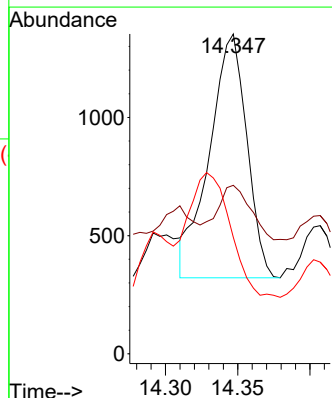
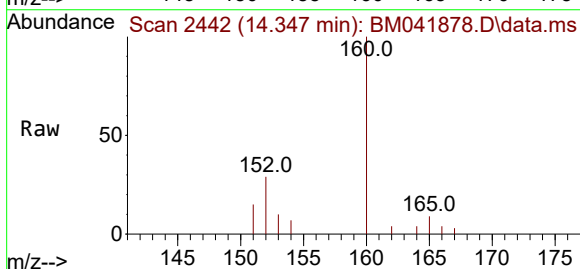
Tgt Ion:152 Resp: 1855

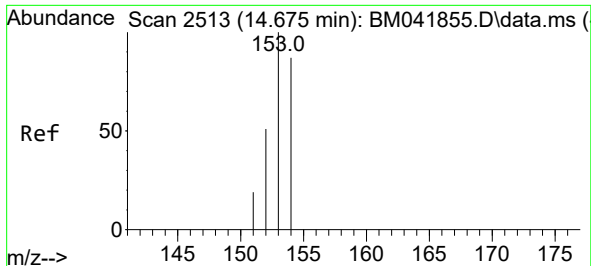
Ion Ratio Lower Upper

152 100

151 52.7 16.3 24.5#

153 36.4 10.9 16.3#

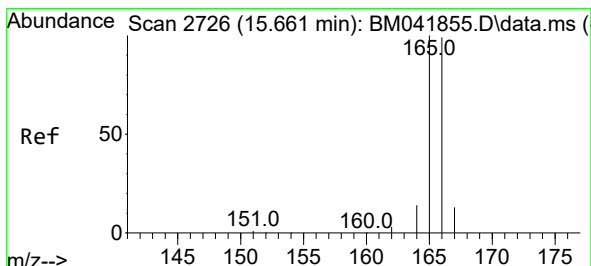
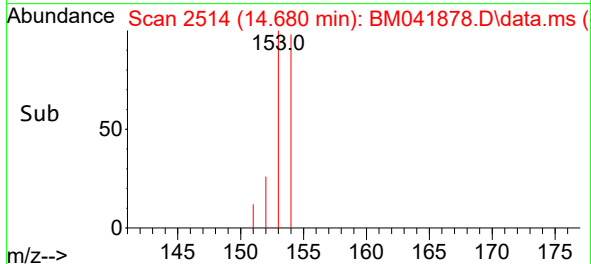
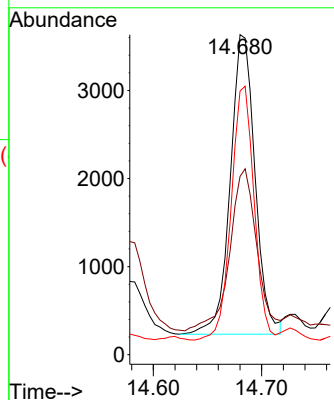
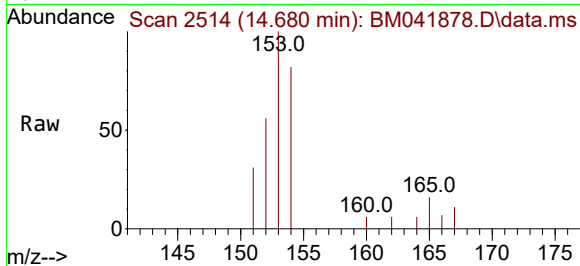




#11
Acenaphthene
Concen: 0.091 ng/ul
RT: 14.680 min Scan# 214
Delta R.T. 0.000 min
Lab File: BM041878.D
Acq: 14 Sep 2023 23:43

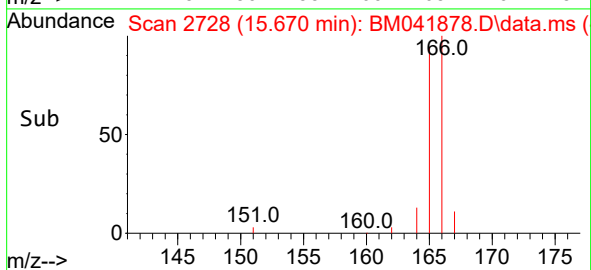
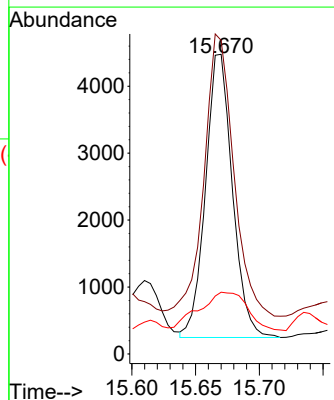
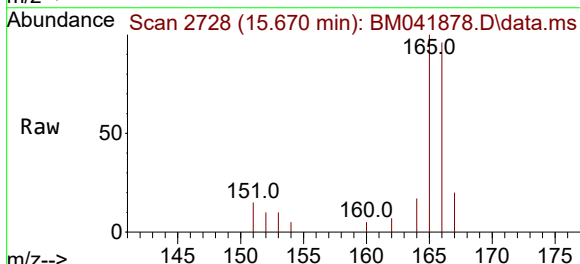
Instrument :
BNA_M
ClientSampleId :
EZYD4DL

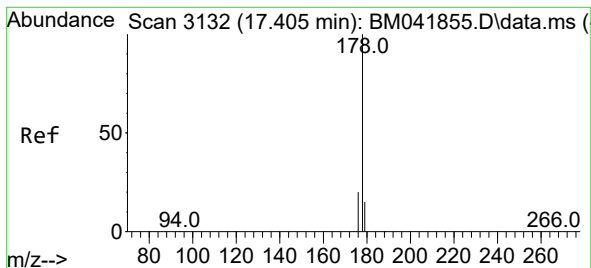
Tgt Ion:153 Resp: 5394
Ion Ratio Lower Upper
153 100
152 55.7 41.5 62.3
154 82.4 70.7 106.1



#12
Fluorene
Concen: 0.089 ng/ul
RT: 15.670 min Scan# 2728
Delta R.T. 0.005 min
Lab File: BM041878.D
Acq: 14 Sep 2023 23:43

Tgt Ion:166 Resp: 6212
Ion Ratio Lower Upper
166 100
165 104.6 79.3 118.9
167 20.6 11.2 16.8#





#15

Phenanthrene

Concen: 0.503 ng/ul

RT: 17.413 min Scan# 3134

Delta R.T. 0.004 min

Lab File: BM041878.D

Acq: 14 Sep 2023 23:43

Instrument :

BNA_M

ClientSampleId :

EZYD4DL

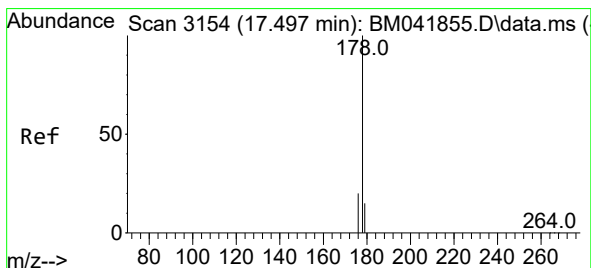
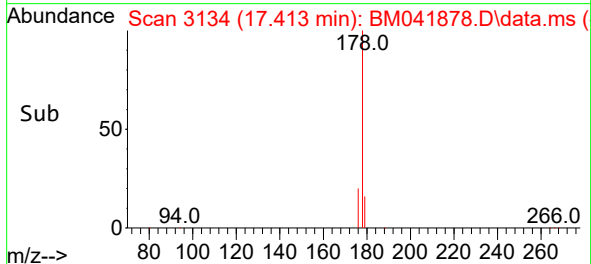
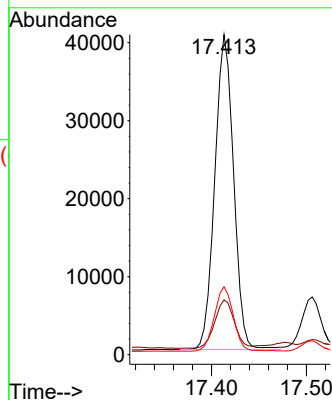
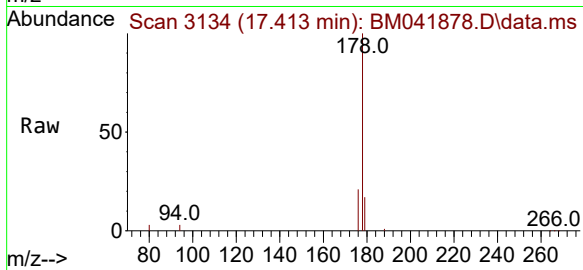
Tgt Ion:178 Resp: 55748

Ion Ratio Lower Upper

178 100

179 17.2 12.6 19.0

176 21.2 16.6 25.0



#16

Anthracene

Concen: 0.092 ng/ul

RT: 17.506 min Scan# 3156

Delta R.T. 0.004 min

Lab File: BM041878.D

Acq: 14 Sep 2023 23:43

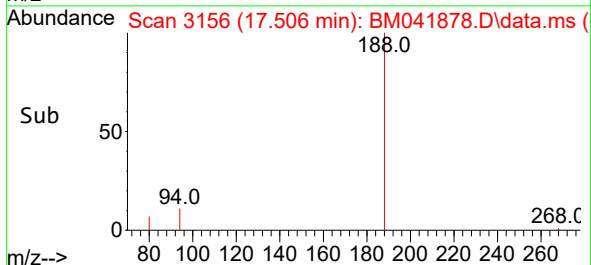
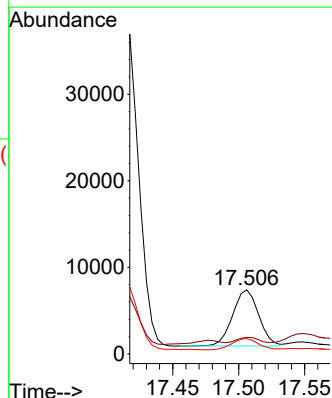
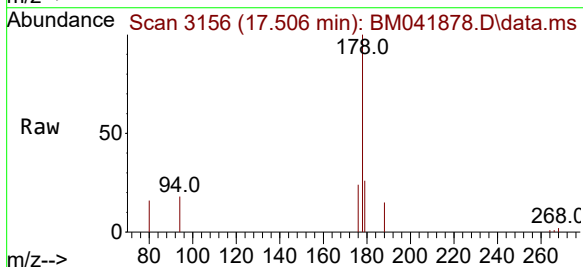
Tgt Ion:178 Resp: 8889

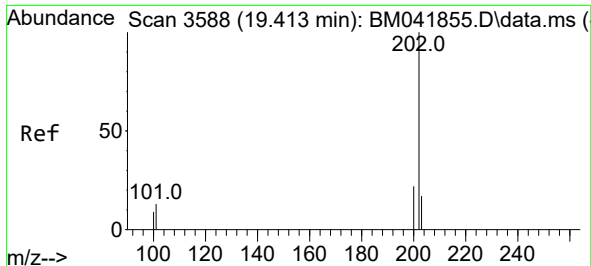
Ion Ratio Lower Upper

178 100

179 26.0 12.7 19.1#

176 24.0 16.1 24.1

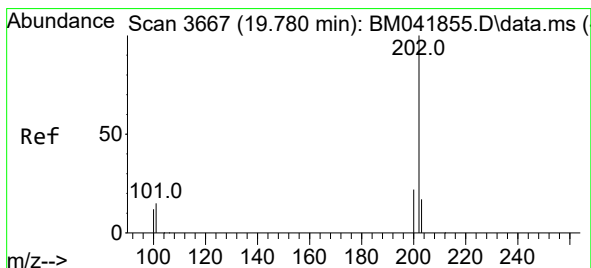
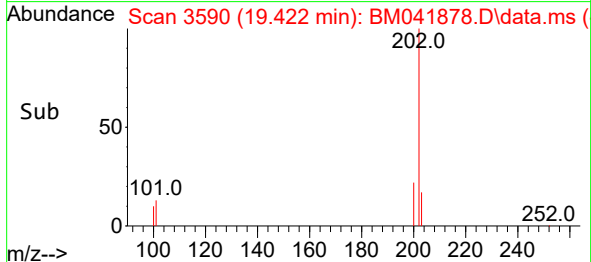
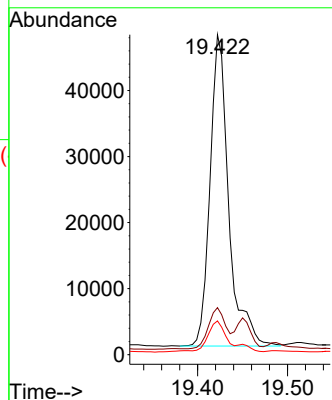
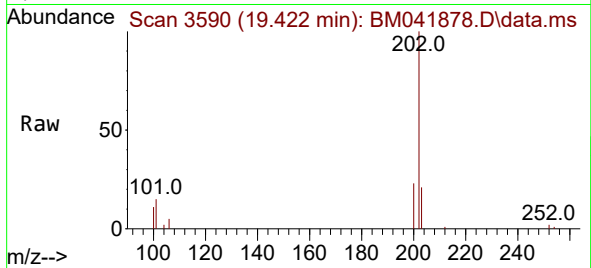




#19
Fluoranthene
Concen: 0.947 ng/ul
RT: 19.422 min Scan# 3590
Delta R.T. 0.005 min
Lab File: BM041878.D
Acq: 14 Sep 2023 23:43

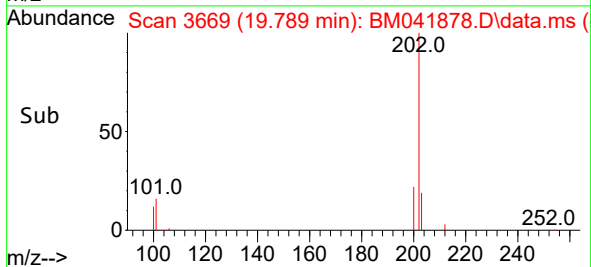
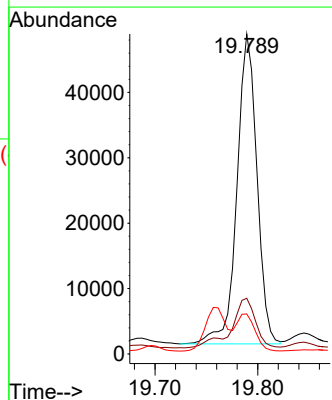
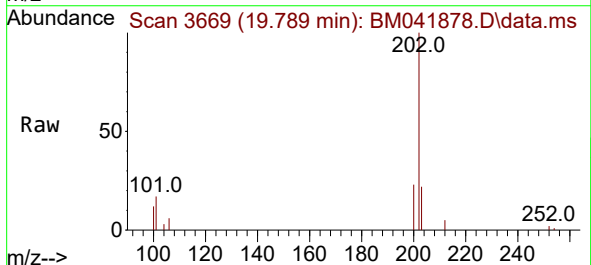
Instrument :
BNA_M
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EZYD4DL

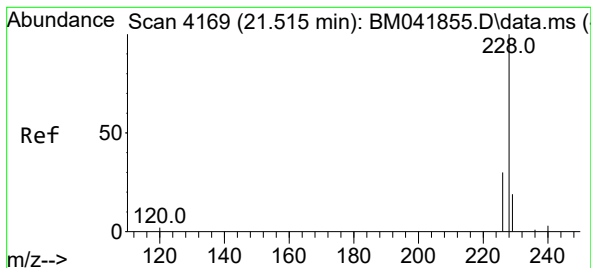
Tgt Ion:202 Resp: 67944
Ion Ratio Lower Upper
202 100
101 14.7 11.0 16.6
100 10.5 8.2 12.4



#20
Pyrene
Concen: 0.853 ng/ul
RT: 19.789 min Scan# 3669
Delta R.T. 0.005 min
Lab File: BM041878.D
Acq: 14 Sep 2023 23:43

Tgt Ion:202 Resp: 64088
Ion Ratio Lower Upper
202 100
101 17.4 12.6 19.0
100 12.5 9.9 14.9





#21

Benzo(a)anthracene

Concen: 0.299 ng/ul

RT: 21.524 min Scan# 41

Delta R.T. 0.003 min

Lab File: BM041878.D

Acq: 14 Sep 2023 23:43

Instrument :

BNA_M

ClientSampleId :

EZYD4DL

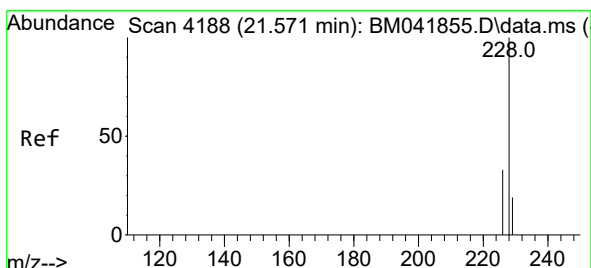
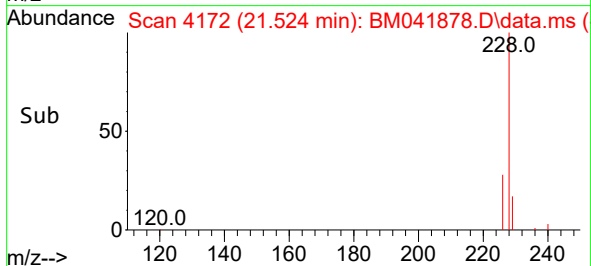
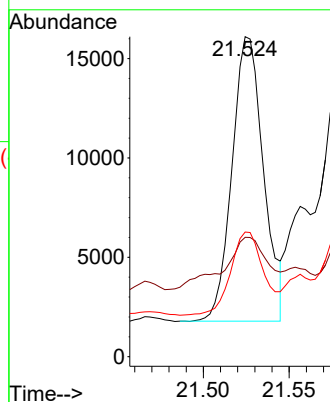
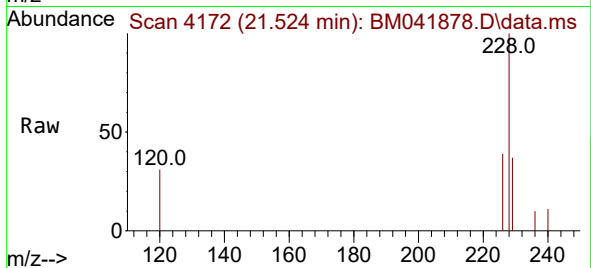
Tgt Ion:228 Resp: 18285

Ion Ratio Lower Upper

228 100

229 37.3 15.8 23.8#

226 39.0 24.3 36.5#



#22

Chrysene

Concen: 0.273 ng/ul

RT: 21.580 min Scan# 4191

Delta R.T. 0.003 min

Lab File: BM041878.D

Acq: 14 Sep 2023 23:43

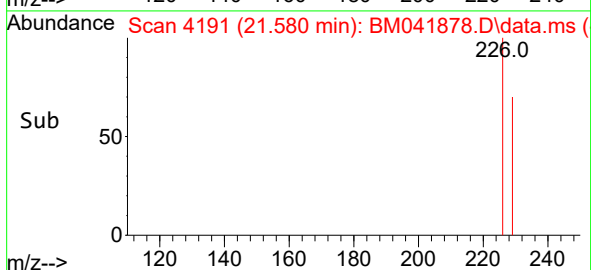
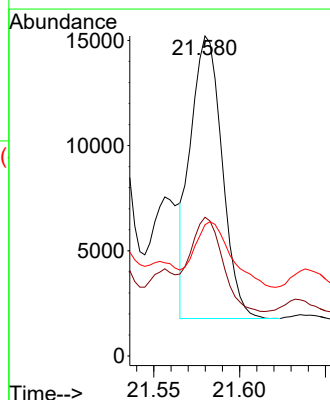
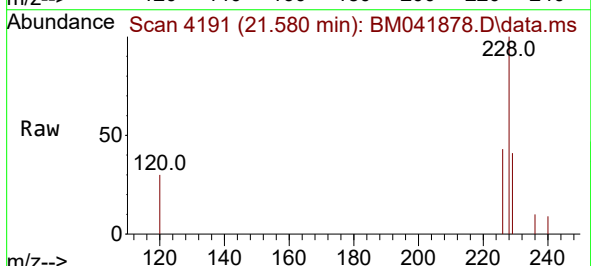
Tgt Ion:228 Resp: 17074

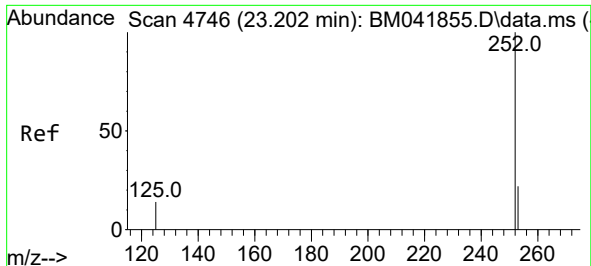
Ion Ratio Lower Upper

228 100

226 43.4 27.0 40.4#

229 41.0 15.7 23.5#

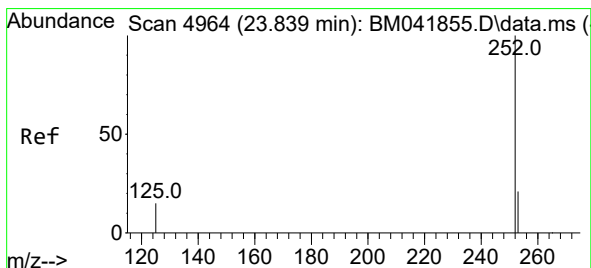
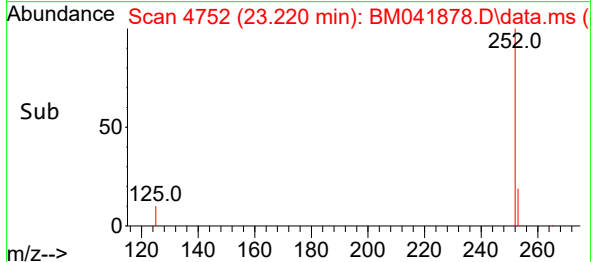
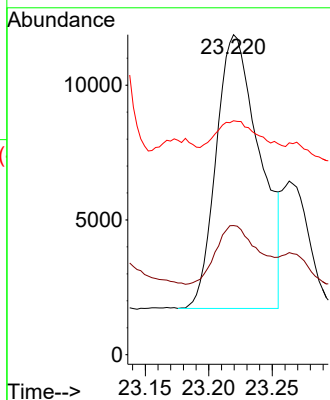
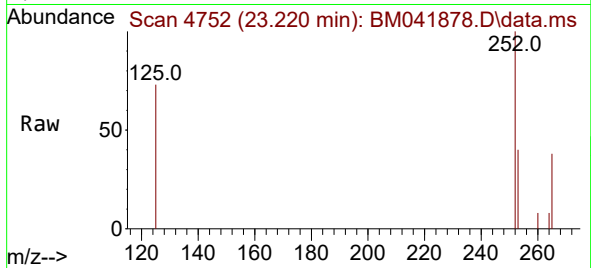




#24
Benzo(b)fluoranthene
Concen: 0.370 ng/ul
RT: 23.220 min Scan# 41
Delta R.T. 0.012 min
Lab File: BM041878.D
Acq: 14 Sep 2023 23:43

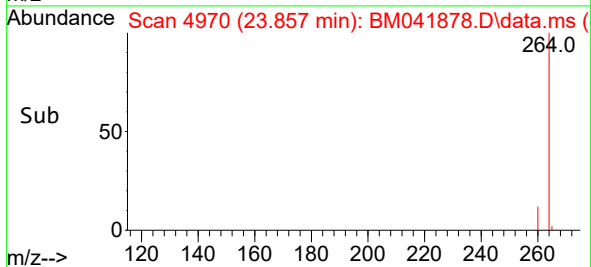
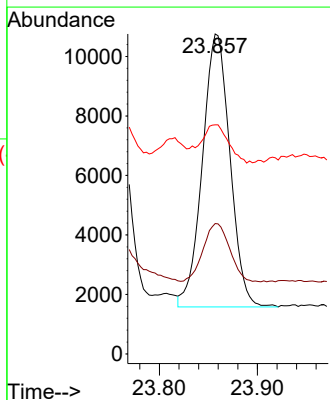
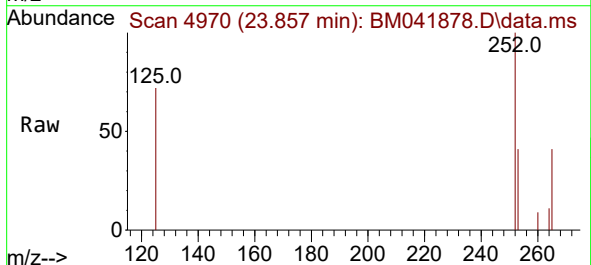
Instrument :
BNA_M
ClientSampleId :
EZYD4DL

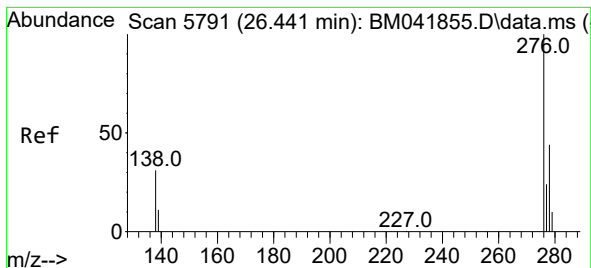
Tgt Ion:252 Resp: 24224
Ion Ratio Lower Upper
252 100
253 40.4 0.0 51.0
125 73.1 0.0 39.8#



#26
Benzo(a)pyrene
Concen: 0.359 ng/ul
RT: 23.857 min Scan# 4970
Delta R.T. 0.012 min
Lab File: BM041878.D
Acq: 14 Sep 2023 23:43

Tgt Ion:252 Resp: 17915
Ion Ratio Lower Upper
252 100
253 40.8 21.8 32.8#
125 71.6 18.8 28.2#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.197 ng/ul

RT: 26.475 min Scan# 5801

Delta R.T. 0.020 min

Lab File: BM041878.D

Acq: 14 Sep 2023 23:43

Instrument :

BNA_M

ClientSampleId :

EZYD4DL

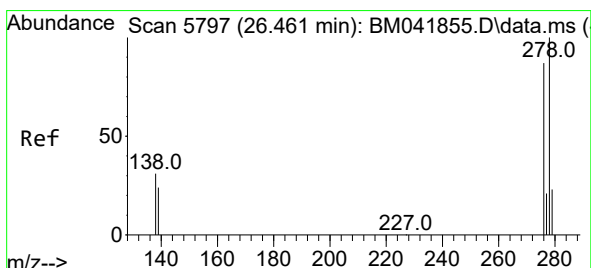
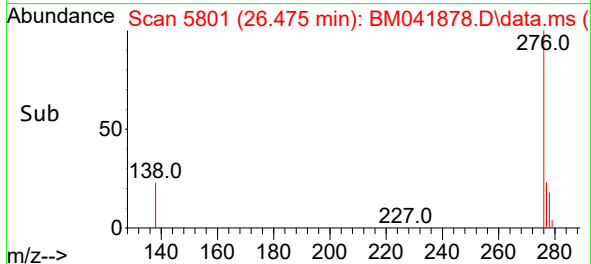
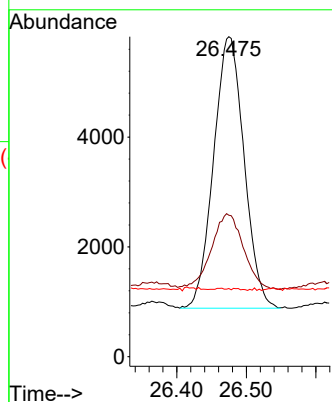
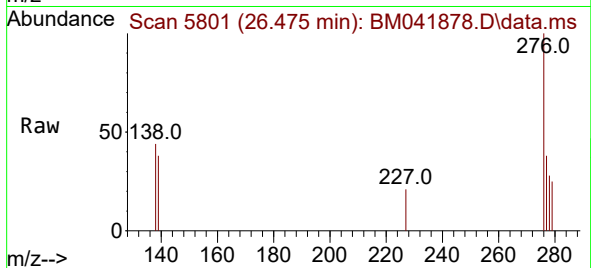
Tgt Ion:276 Resp: 15095

Ion Ratio Lower Upper

276 100

138 29.8 27.7 41.5

227 0.2 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 0.071 ng/ul

RT: 26.485 min Scan# 5804

Delta R.T. 0.010 min

Lab File: BM041878.D

Acq: 14 Sep 2023 23:43

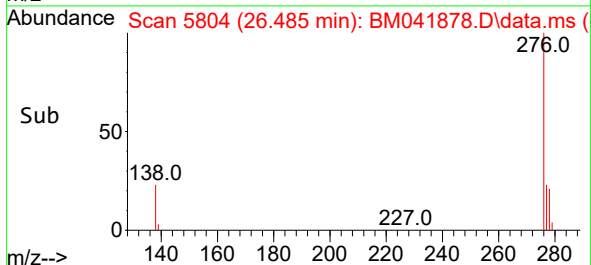
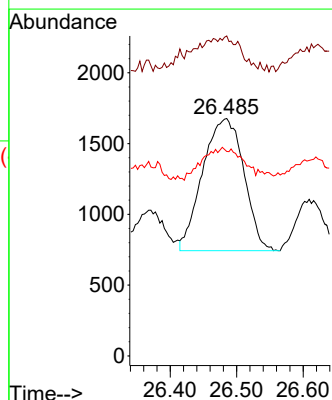
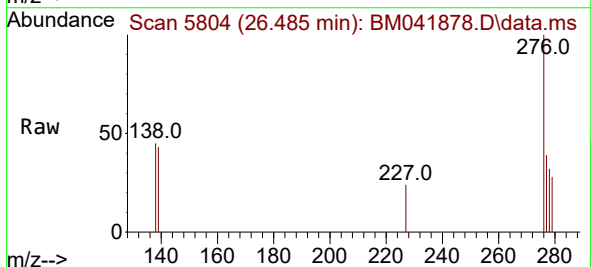
Tgt Ion:278 Resp: 4026

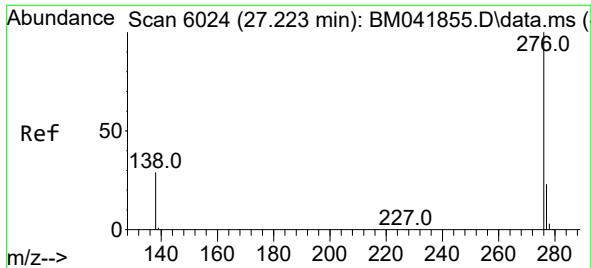
Ion Ratio Lower Upper

278 100

139 134.8 20.9 31.3#

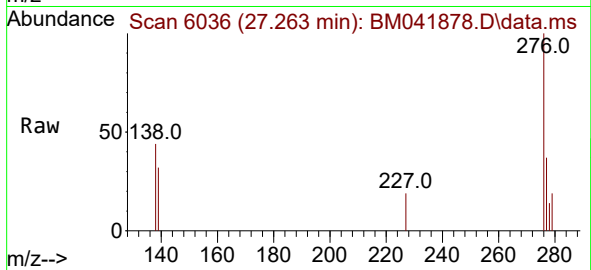
279 86.1 20.3 30.5#





#29
 Benzo(g,h,i)perylene
 Concen: 0.300 ng/ul
 RT: 27.263 min Scan# 6036
 Delta R.T. 0.027 min
 Lab File: BM041878.D
 Acq: 14 Sep 2023 23:43

Instrument :
 BNA_M
 ClientSampleId :
 EZYD4DL



Tgt Ion:276 Resp: 19442
 Ion Ratio Lower Upper
 276 100
 138 44.2 24.7 37.1#
 277 37.0 19.3 28.9#

