

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122222\
 Data File : BM038278.D
 Acq On : 24 Dec 2022 19:44
 Operator : CG/JU
 Sample : N6016-02
 Misc :
 ALS Vial : 86 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 25 02:57:15 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM122222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 24 05:23:31 2022
 Response via : Initial Calibration

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

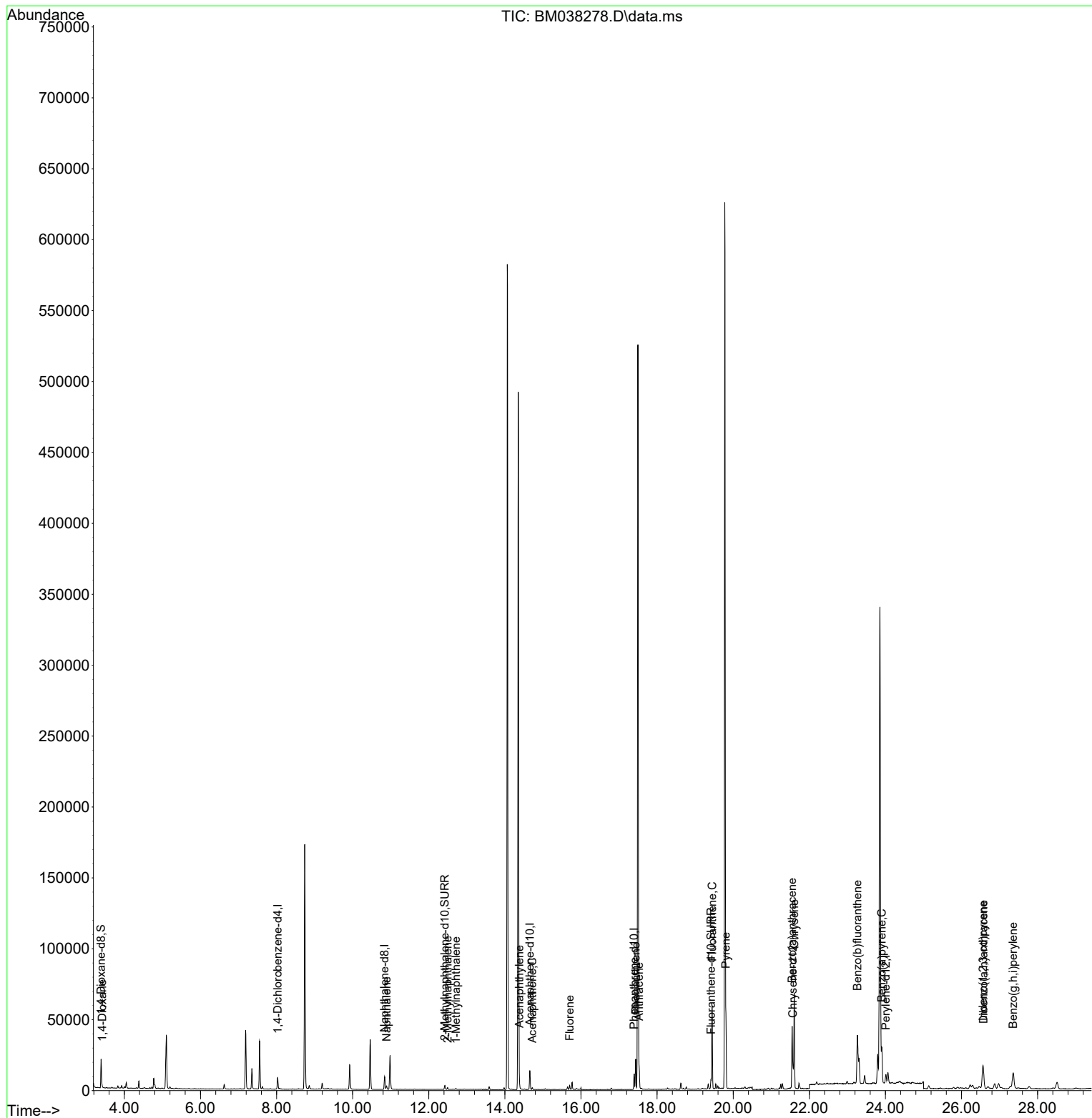
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.030	152	4021	0.400	ng/ul	0.00
4) Naphthalene-d8	10.840	136	11958	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.657	164	6859	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.396	188	12663	0.400	ng/ul	0.00
17) Chrysene-d12	21.565	240	8897	0.400	ng/ul	0.00
23) Perylene-d12	24.012	264	8237	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.389	96	11733	2.869	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.423	152	3615	0.205	ng/ul	0.00
18) Fluoranthene-d10	19.417	212	6826	0.204	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.419	88	94	0.023	ng/ul#	12
5) Naphthalene	10.889	128	2969	0.085	ng/ul#	93
7) 2-Methylnaphthalene	12.495	142	867	0.040	ng/ul	99
8) 1-Methylnaphthalene	12.715	142	457	0.021	ng/ul	99
10) Acenaphthylene	14.379	152	4898	0.129	ng/ul	96
11) Acenaphthene	14.717	153	807	0.030	ng/ul	94
12) Fluorene	15.702	166	1835	0.063	ng/ul#	95
15) Phenanthrene	17.438	178	22034	0.520	ng/ul	100
16) Anthracene	17.527	178	14892	0.366	ng/ul	99
19) Fluoranthene	19.445	202	47401	0.972	ng/ul	99
20) Pyrene	19.808	202	42028	0.853	ng/ul	98
21) Benzo(a)anthracene	21.548	228	35317	0.905	ng/ul	97
22) Chrysene	21.603	228	62457	1.644	ng/ul	99
24) Benzo(b)fluoranthene	23.263	252	61011	1.673	ng/ul	91
26) Benzo(a)pyrene	23.903	252	36393	1.144	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	26.565	276	28117	0.637	ng/ul#	90
28) Dibenzo(a,h)anthracene	26.575	278	7735	0.226	ng/ul#	85
29) Benzo(g,h,i)perylene	27.357	276	25652	0.691	ng/ul	97

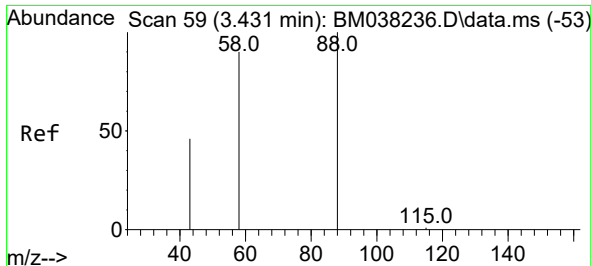
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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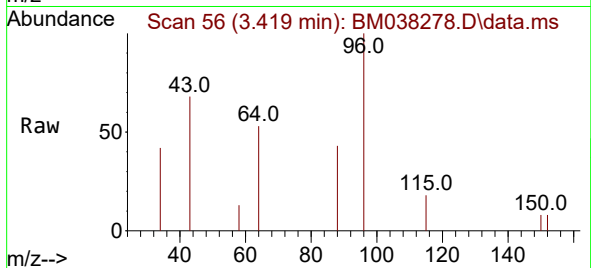
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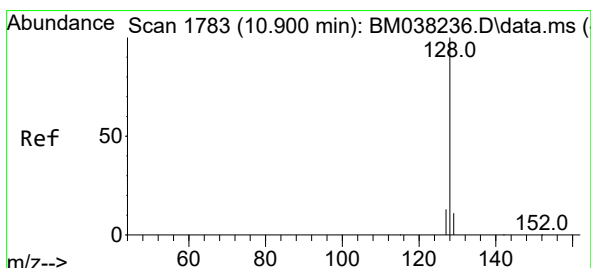
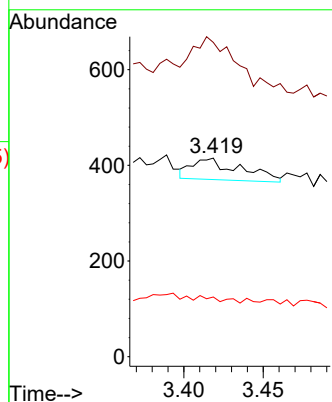
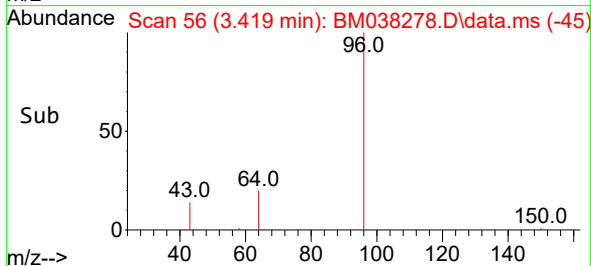


#2
1,4-Dioxane
Concen: 0.023 ng/ul
RT: 3.419 min Scan# 50
Delta R.T. -0.013 min
Lab File: BM038278.D
Acq: 24 Dec 2022 19:44

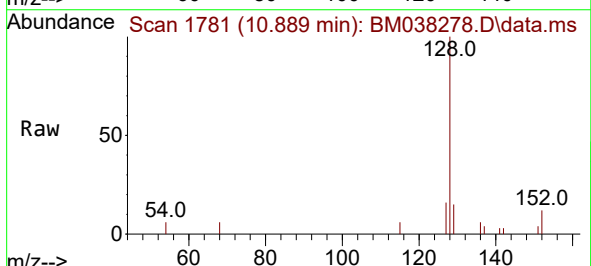
Instrument :
BNA_M
ClientSampleId :



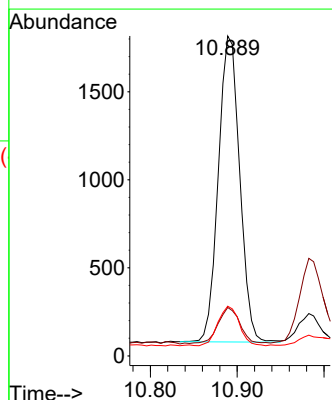
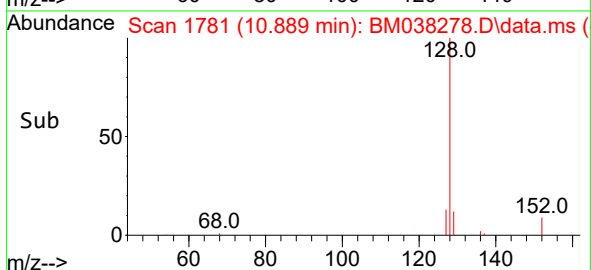
Tgt Ion: 88 Resp: 94
Ion Ratio Lower Upper
88 100
43 158.3 46.4 69.6#
58 30.1 56.9 85.3#

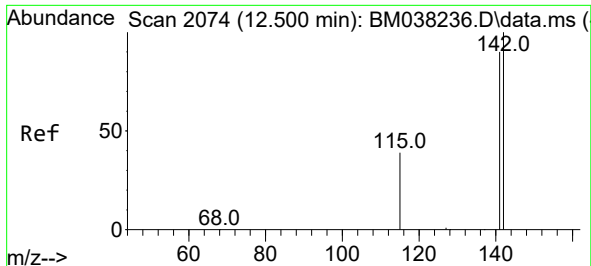


#5
Naphthalene
Concen: 0.085 ng/ul
RT: 10.889 min Scan# 1781
Delta R.T. -0.005 min
Lab File: BM038278.D
Acq: 24 Dec 2022 19:44



Tgt Ion: 128 Resp: 2969
Ion Ratio Lower Upper
128 100
129 15.1 9.4 14.0#
127 15.5 10.7 16.1

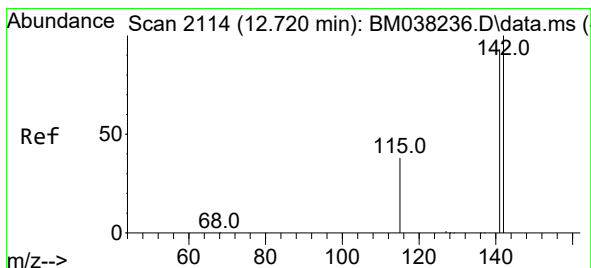
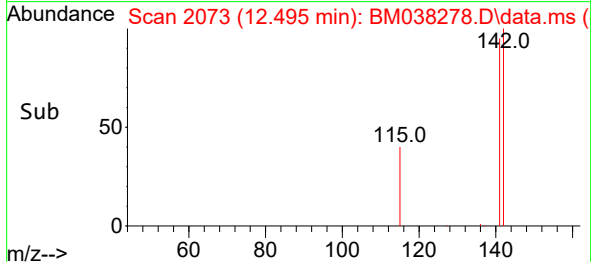
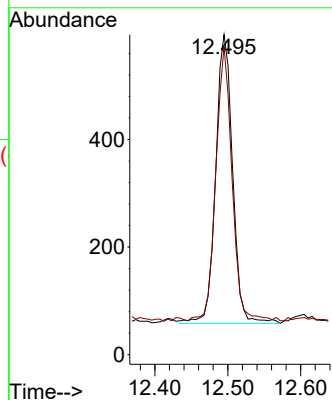
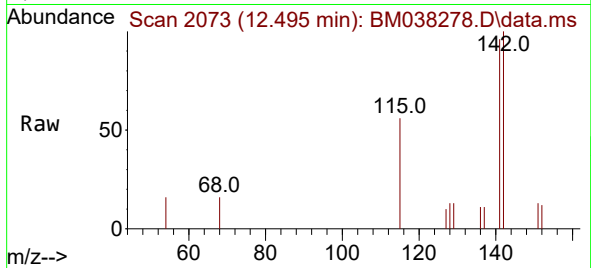




#7
2-Methylnaphthalene
Concen: 0.040 ng/ul
RT: 12.495 min Scan# 2073
Delta R.T. 0.000 min
Lab File: BM038278.D
Acq: 24 Dec 2022 19:44

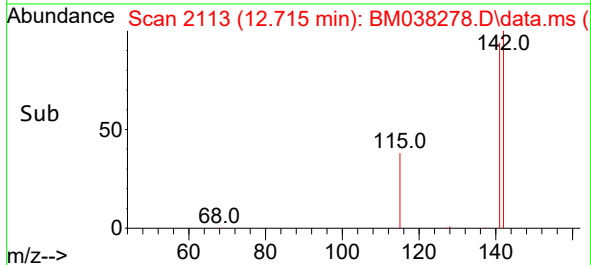
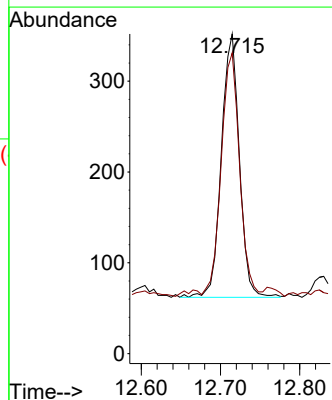
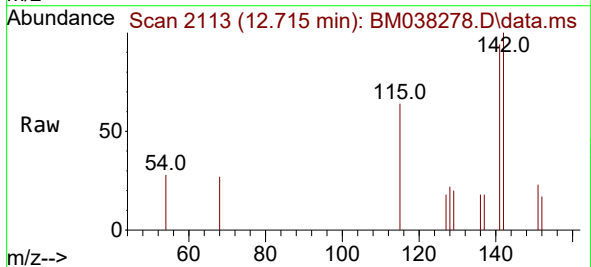
Instrument :
BNA_M
ClientSampleId :

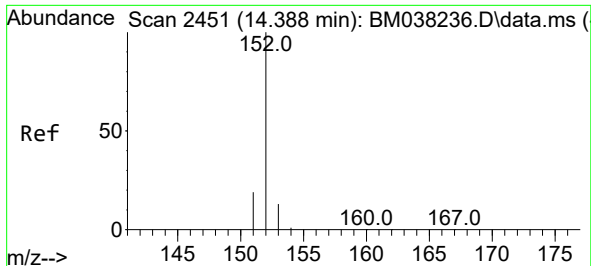
Tgt Ion:142 Resp: 867
Ion Ratio Lower Upper
142 100
141 90.8 71.9 107.9



#8
1-Methylnaphthalene
Concen: 0.021 ng/ul
RT: 12.715 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BM038278.D
Acq: 24 Dec 2022 19:44

Tgt Ion:142 Resp: 457
Ion Ratio Lower Upper
142 100
141 94.7 74.7 112.1

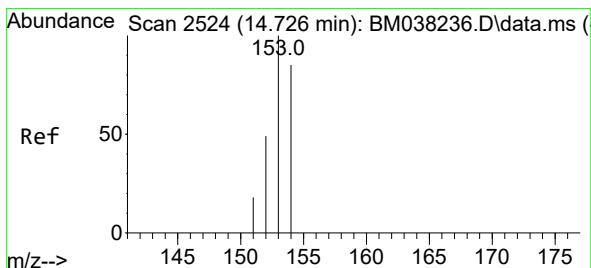
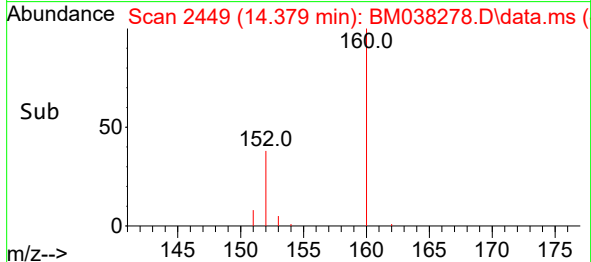
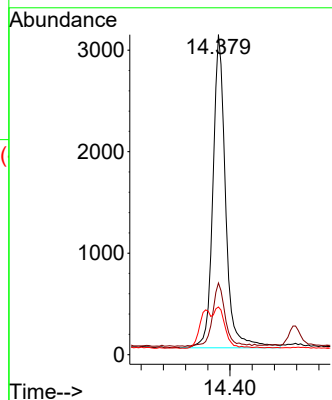
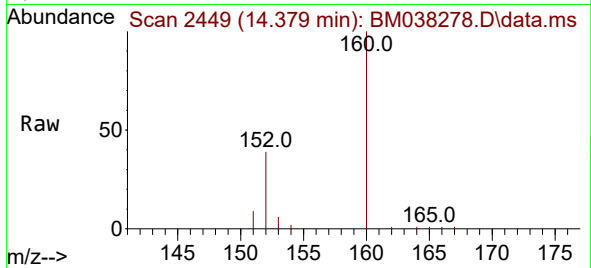




#10
Acenaphthylene
Concen: 0.129 ng/ul
RT: 14.379 min Scan# 2451
Delta R.T. 0.000 min
Lab File: BM038278.D
Acq: 24 Dec 2022 19:44

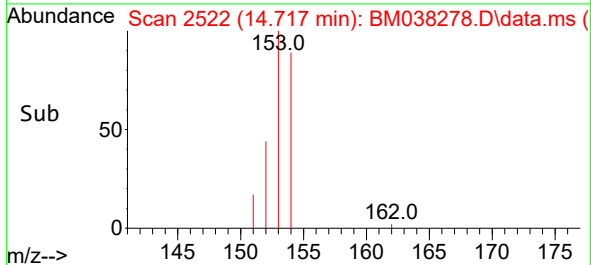
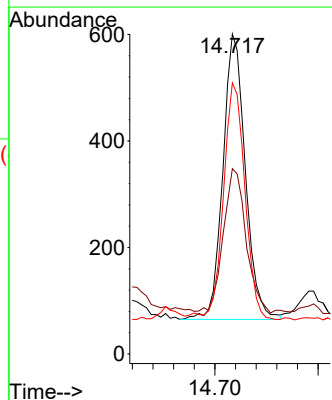
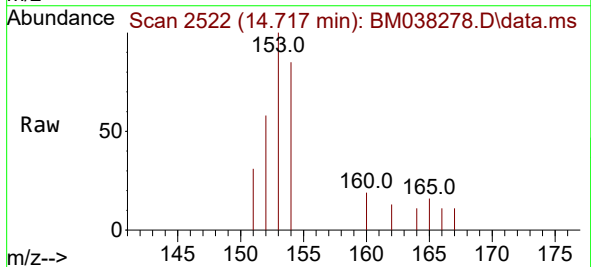
Instrument :
BNA_M
ClientSampleId :

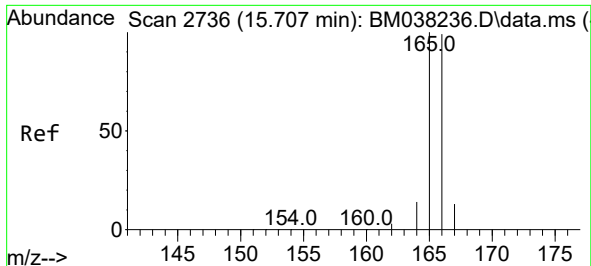
Tgt Ion:152 Resp: 4898
Ion Ratio Lower Upper
152 100
151 22.4 16.2 24.2
153 14.9 10.7 16.1



#11
Acenaphthene
Concen: 0.030 ng/ul
RT: 14.717 min Scan# 2522
Delta R.T. -0.005 min
Lab File: BM038278.D
Acq: 24 Dec 2022 19:44

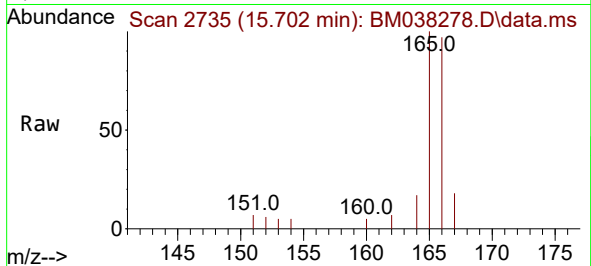
Tgt Ion:153 Resp: 807
Ion Ratio Lower Upper
153 100
152 57.9 39.4 59.0
154 84.7 69.0 103.4



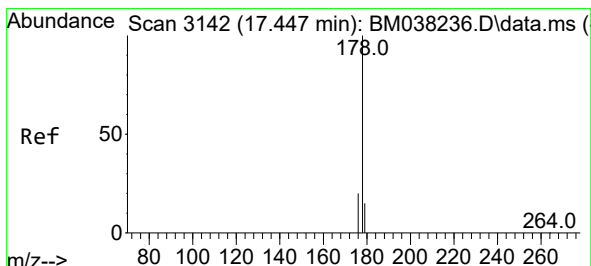
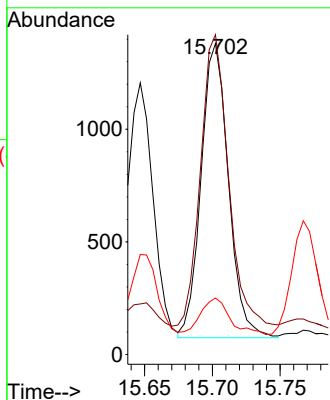


#12
Fluorene
Concen: 0.063 ng/ul
RT: 15.702 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM038278.D
Acq: 24 Dec 2022 19:44

Instrument :
BNA_M
ClientSampleId :

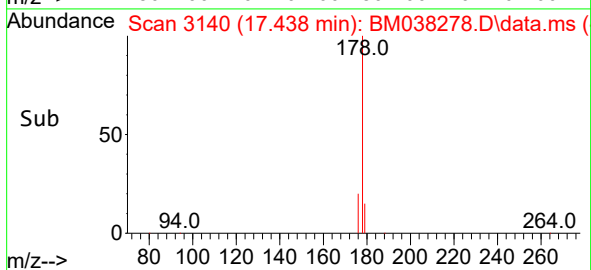
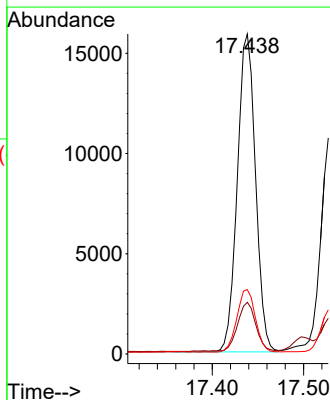
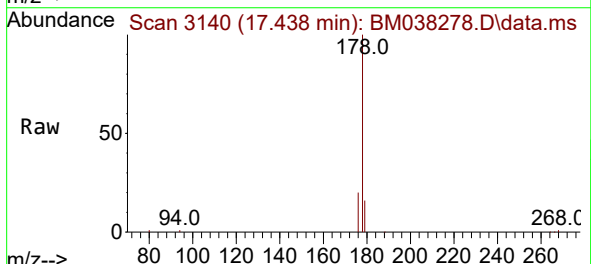


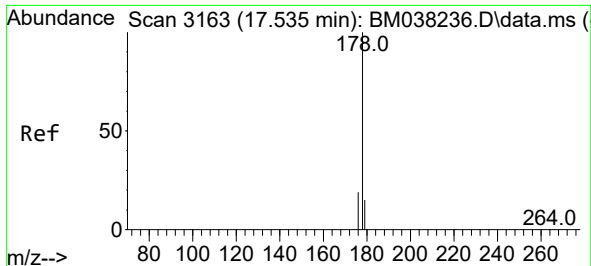
Tgt Ion:166 Resp: 1835
Ion Ratio Lower Upper
166 100
165 102.8 79.0 118.6
167 18.2 11.0 16.6#



#15
Phenanthrene
Concen: 0.520 ng/ul
RT: 17.438 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BM038278.D
Acq: 24 Dec 2022 19:44

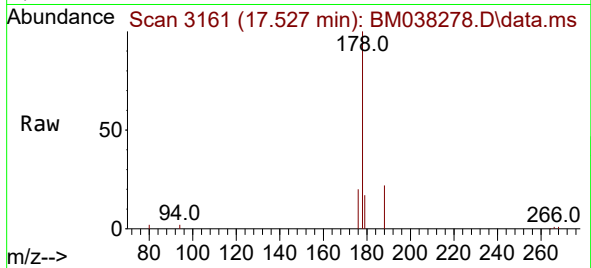
Tgt Ion:178 Resp: 22034
Ion Ratio Lower Upper
178 100
179 16.1 13.0 19.4
176 20.1 16.2 24.4



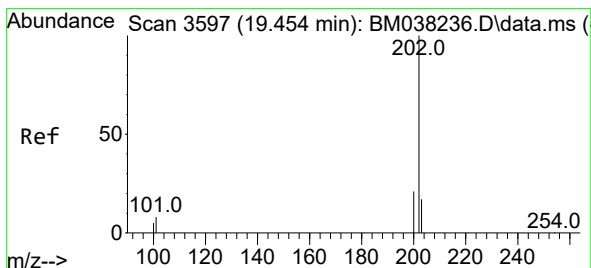
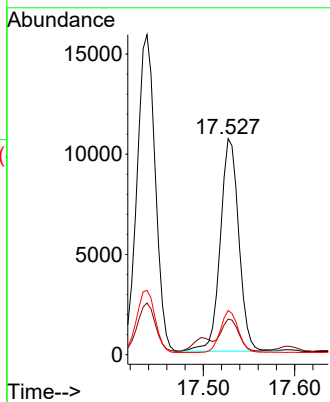
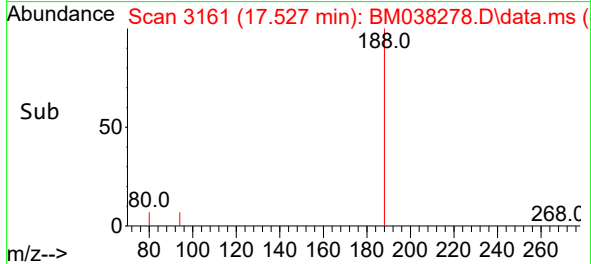


#16
 Anthracene
 Concen: 0.366 ng/ul
 RT: 17.527 min Scan# 3161
 Delta R.T. -0.004 min
 Lab File: BM038278.D
 Acq: 24 Dec 2022 19:44

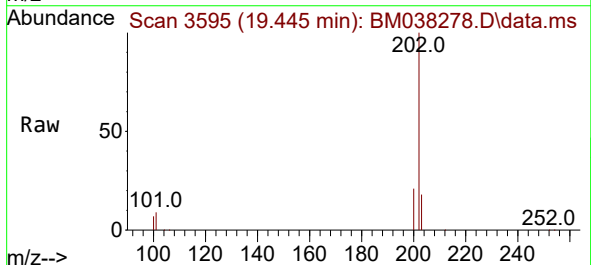
Instrument :
 BNA_M
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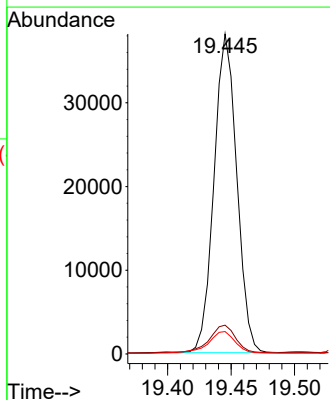
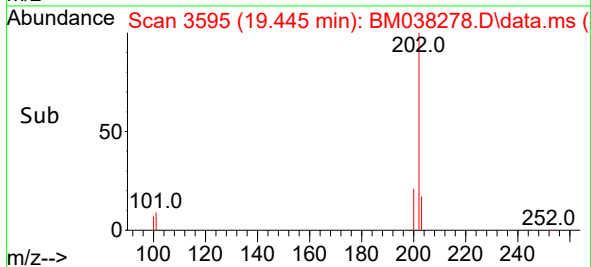
Tgt Ion:178 Resp: 14892
 Ion Ratio Lower Upper
 178 100
 179 16.5 13.0 19.6
 176 20.4 15.6 23.4

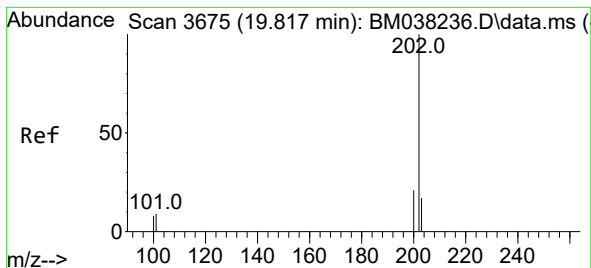


#19
 Fluoranthene
 Concen: 0.972 ng/ul
 RT: 19.445 min Scan# 3595
 Delta R.T. -0.005 min
 Lab File: BM038278.D
 Acq: 24 Dec 2022 19:44



Tgt Ion:202 Resp: 47401
 Ion Ratio Lower Upper
 202 100
 101 9.0 7.5 11.3
 100 7.0 5.6 8.4





#20

Pyrene

Concen: 0.853 ng/ul

RT: 19.808 min Scan# 3

Delta R.T. -0.005 min

Lab File: BM038278.D

Acq: 24 Dec 2022 19:44

Instrument :

BNA_M

ClientSampleId :

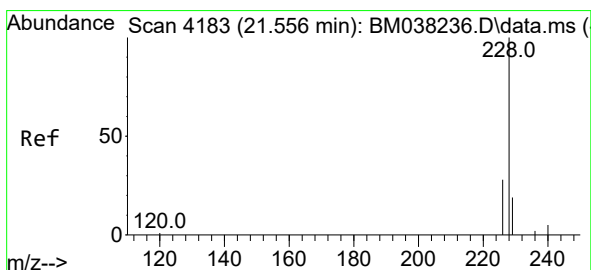
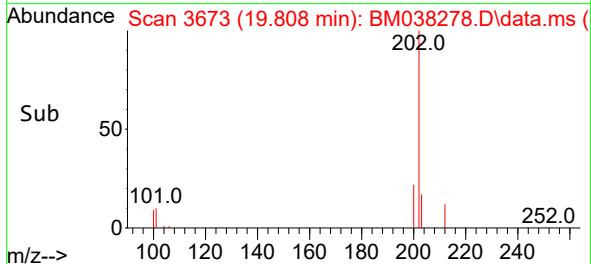
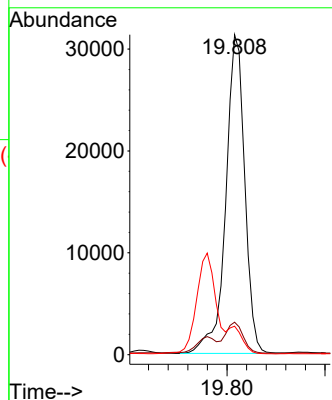
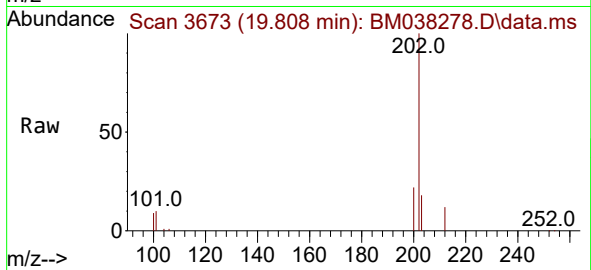
Tgt Ion:202 Resp: 42028

Ion Ratio Lower Upper

202 100

101 10.2 8.9 13.3

100 8.9 7.4 11.0



#21

Benzo(a)anthracene

Concen: 0.905 ng/ul

RT: 21.548 min Scan# 4180

Delta R.T. -0.003 min

Lab File: BM038278.D

Acq: 24 Dec 2022 19:44

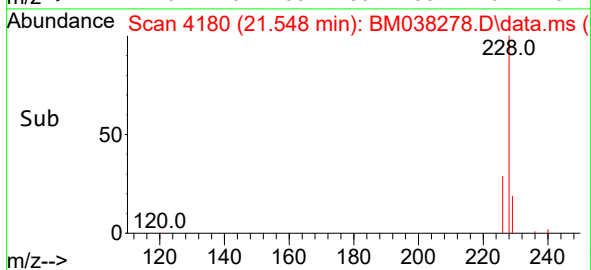
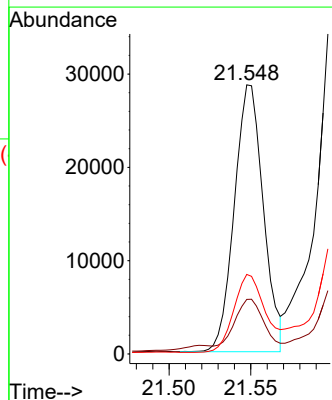
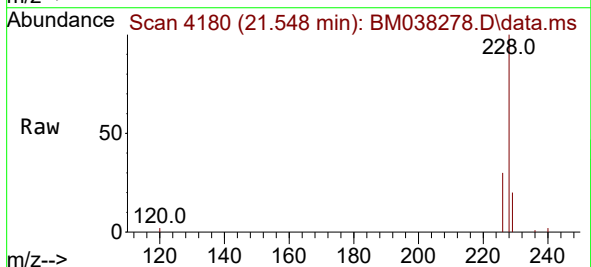
Tgt Ion:228 Resp: 35317

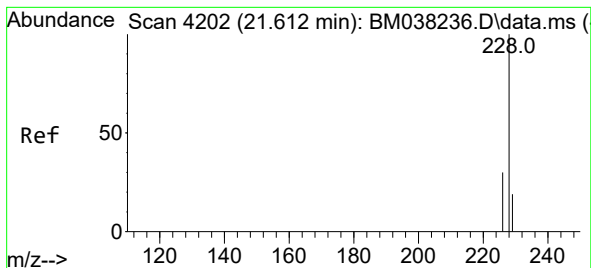
Ion Ratio Lower Upper

228 100

229 20.3 15.5 23.3

226 29.5 22.2 33.2





#22

Chrysene

Concen: 1.644 ng/ul

RT: 21.603 min Scan# 4199

Delta R.T. -0.003 min

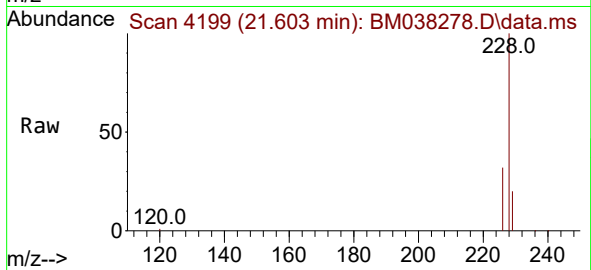
Lab File: BM038278.D

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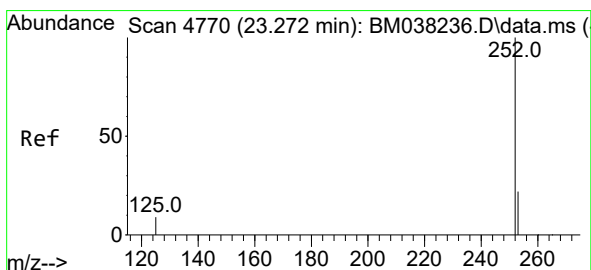
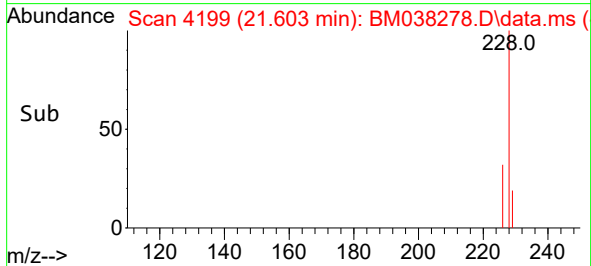
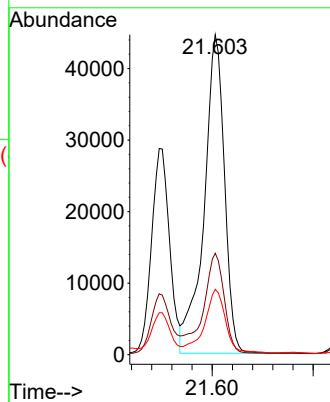
Tgt Ion:228 Resp: 62457

Ion Ratio Lower Upper

228 100

226 31.7 25.0 37.4

229 20.4 16.0 24.0



#24

Benzo(b)fluoranthene

Concen: 1.673 ng/ul

RT: 23.263 min Scan# 4767

Delta R.T. -0.003 min

Lab File: BM038278.D

Acq: 24 Dec 2022 19:44

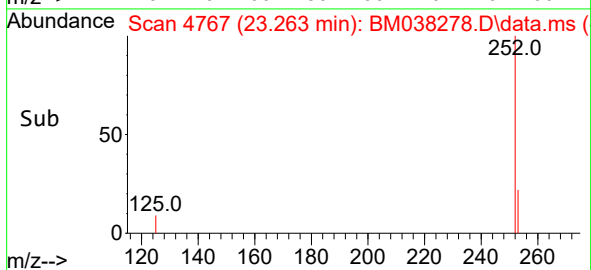
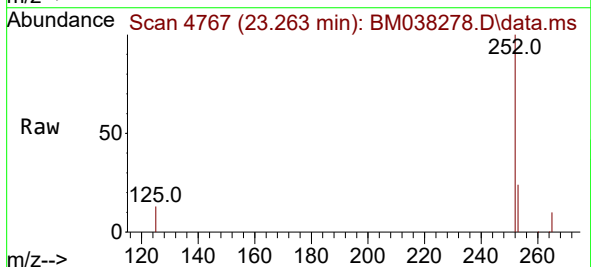
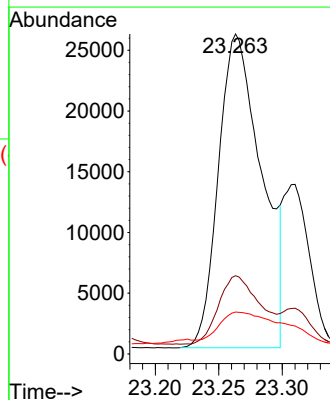
Tgt Ion:252 Resp: 61011

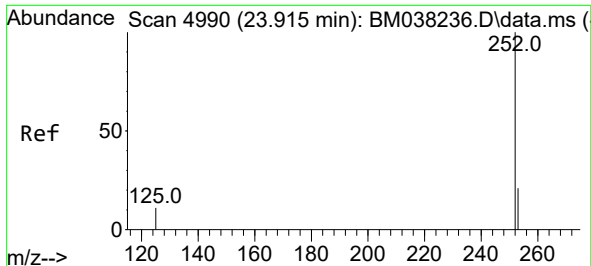
Ion Ratio Lower Upper

252 100

253 24.4 0.0 56.0

125 13.1 0.0 36.6

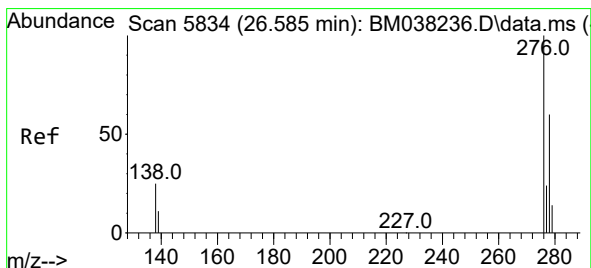
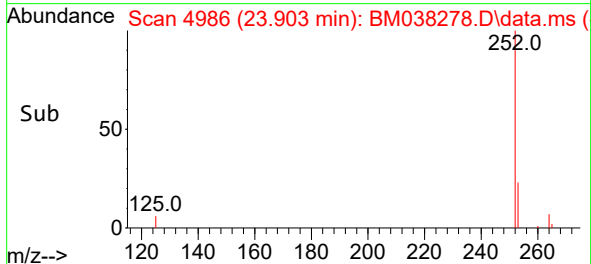
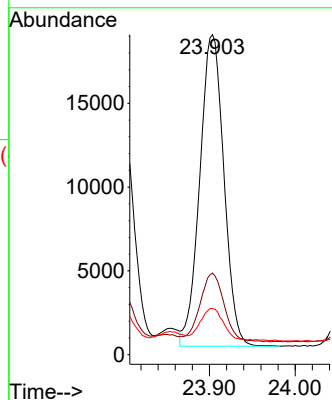
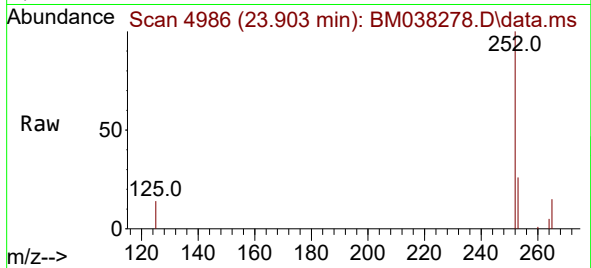




#26
Benzo(a)pyrene
Concen: 1.144 ng/ul
RT: 23.903 min Scan# 4986
Delta R.T. -0.003 min
Lab File: BM038278.D
Acq: 24 Dec 2022 19:44

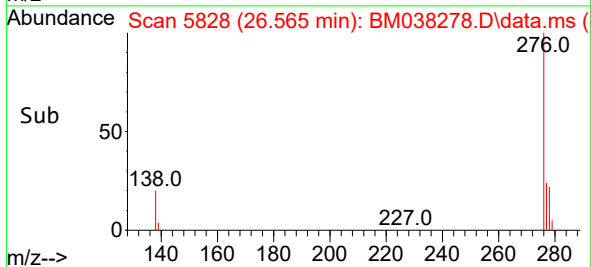
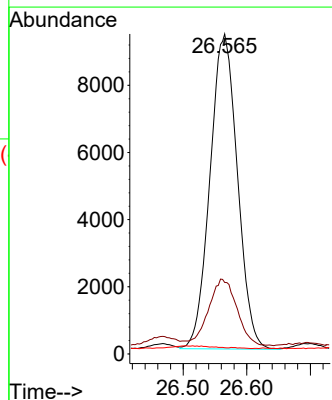
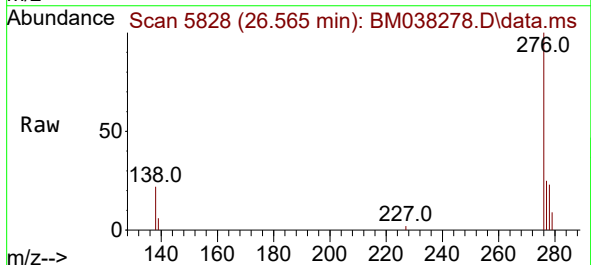
Instrument :
BNA_M
ClientSampleId :

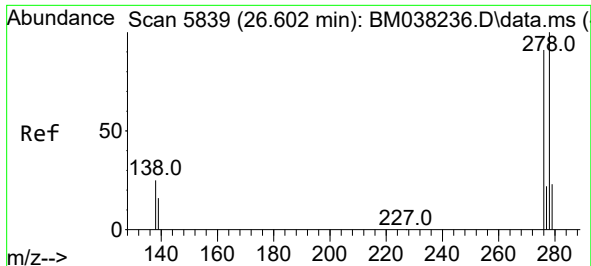
Tgt Ion:252 Resp: 36393
Ion Ratio Lower Upper
252 100
253 25.5 24.2 36.4
125 14.4 17.3 25.9#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.637 ng/ul
RT: 26.565 min Scan# 5828
Delta R.T. -0.003 min
Lab File: BM038278.D
Acq: 24 Dec 2022 19:44

Tgt Ion:276 Resp: 28117
Ion Ratio Lower Upper
276 100
138 21.8 21.7 32.5
227 0.1 0.0 0.0#

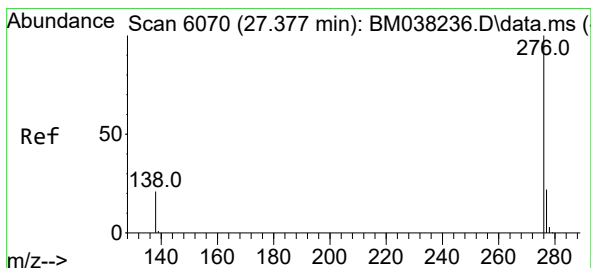
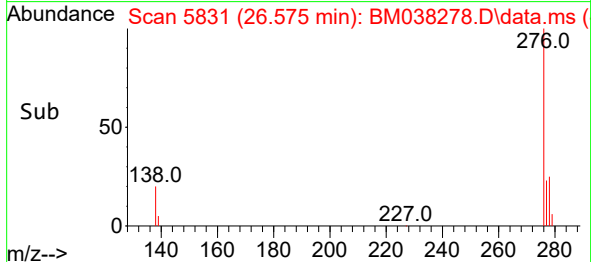
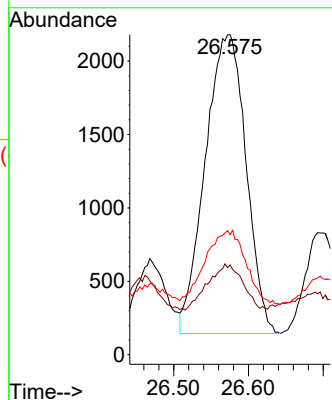
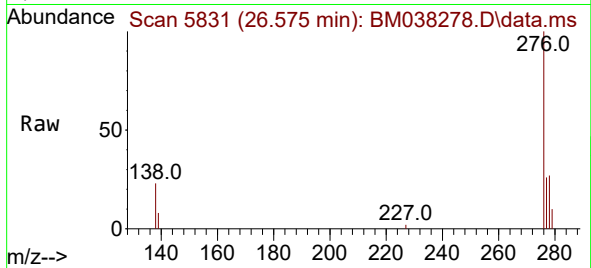




#28
 Dibenzo(a,h)anthracene
 Concen: 0.226 ng/ul
 RT: 26.575 min Scan# 5831
 Delta R.T. -0.013 min
 Lab File: BM038278.D
 Acq: 24 Dec 2022 19:44

Instrument :
 BNA_M
 ClientSampleId :

Tgt Ion:278 Resp: 7735
 Ion Ratio Lower Upper
 278 100
 139 28.1 16.8 25.2#
 279 37.6 23.4 35.2#



#29
 Benzo(g,h,i)perylene
 Concen: 0.691 ng/ul
 RT: 27.357 min Scan# 6064
 Delta R.T. -0.003 min
 Lab File: BM038278.D
 Acq: 24 Dec 2022 19:44

Tgt Ion:276 Resp: 25652
 Ion Ratio Lower Upper
 276 100
 138 24.0 20.8 31.2
 277 24.7 20.5 30.7

