

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050923\
 Data File : BM039898.D
 Acq On : 09 May 2023 17:47
 Operator : CG/JU
 Sample : 02479-08DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW949DL

Quant Time: May 10 00:28:05 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 12:11:48 2023
 Response via : Initial Calibration

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

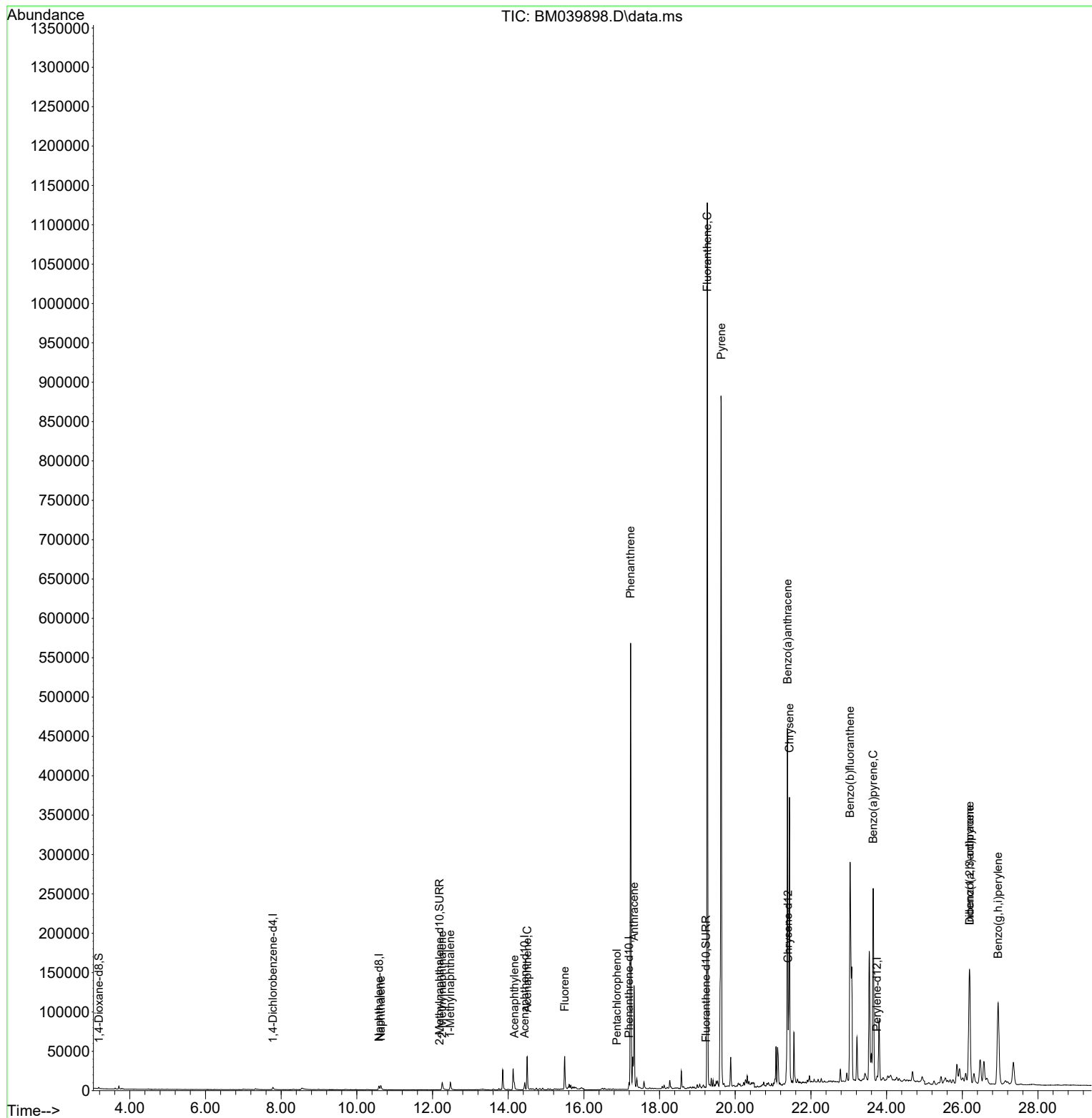
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.783	152	2498	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.584	136	8804	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.437	164	4974	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.191	188	10308	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.395	240	6922	0.400	ng/ul	# 0.00
23) Perylene-d12	23.748	264	9252	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.180	96	996	0.271	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.184	152	319	0.028	ng/ul	0.00
18) Fluoranthene-d10	19.229	212	764	0.041	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.633	128	9328	0.422	ng/ul	99
7) 2-Methylnaphthalene	12.256	142	9722	0.762	ng/ul	97
8) 1-Methylnaphthalene	12.470	142	7582	0.554	ng/ul	100
10) Acenaphthylene	14.159	152	11938	0.620	ng/ul#	95
11) Acenaphthene	14.501	153	26265	1.737	ng/ul	98
12) Fluorene	15.491	166	29074	1.733	ng/ul	99
14) Pentachlorophenol	16.875	266	65	0.029	ng/ul#	67
15) Phenanthrene	17.233	178	592346	21.812	ng/ul	98
16) Anthracene	17.326	178	136675	5.861	ng/ul	98
19) Fluoranthene	19.262	202	958982	38.833	ng/ul	99
20) Pyrene	19.629	202	769971	28.872	ng/ul	97
21) Benzo(a)anthracene	21.380	228	378608	19.024	ng/ul	99
22) Chrysene	21.433	228	351618	15.612	ng/ul	98
24) Benzo(b)fluoranthene	23.035	252	491142	15.116	ng/ul	92
26) Benzo(a)pyrene	23.646	252	352898	12.097	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	26.192	276	252466	6.844	ng/ul#	91
28) Dibenzo(a,h)anthracene	26.192	278	64136	2.240	ng/ul	95
29) Benzo(g,h,i)perylene	26.947	276	236657	7.363	ng/ul	98

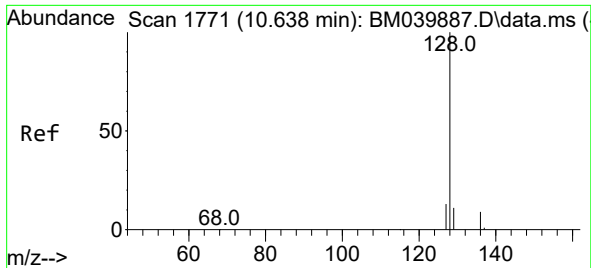
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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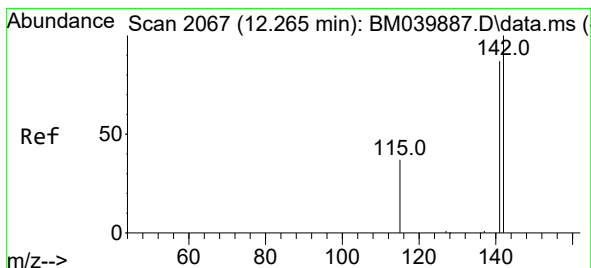
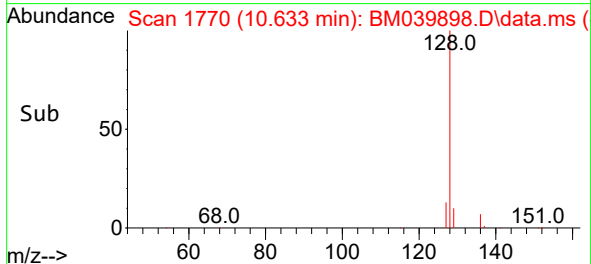
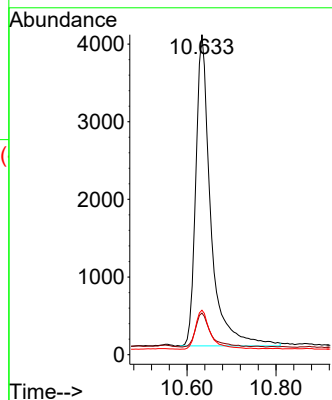
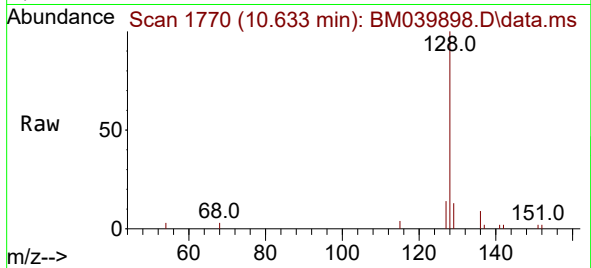




#5
Naphthalene
Concen: 0.422 ng/ul
RT: 10.633 min Scan# 1770
Delta R.T. -0.004 min
Lab File: BM039898.D
Acq: 09 May 2023 17:47

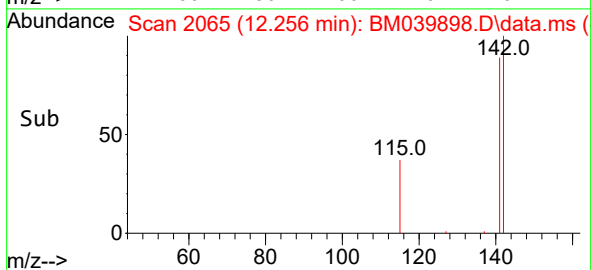
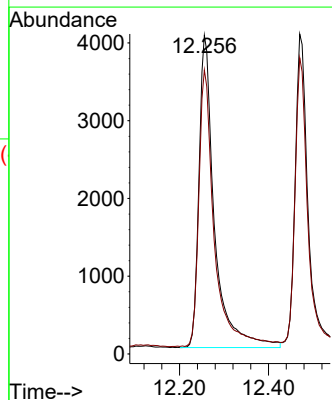
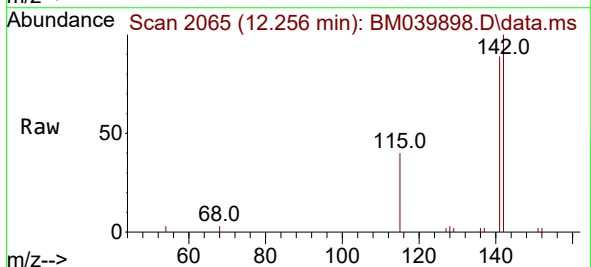
Instrument :
BNA_M
ClientSampleId :
EW949DL

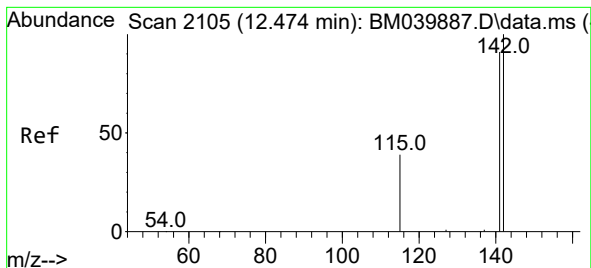
Tgt Ion:128 Resp: 9328
Ion Ratio Lower Upper
128 100
129 13.0 9.8 14.6
127 13.9 11.1 16.7



#7
2-Methylnaphthalene
Concen: 0.762 ng/ul
RT: 12.256 min Scan# 2065
Delta R.T. -0.010 min
Lab File: BM039898.D
Acq: 09 May 2023 17:47

Tgt Ion:142 Resp: 9722
Ion Ratio Lower Upper
142 100
141 88.2 73.2 109.8





#8

1-Methylnaphthalene

Concen: 0.554 ng/ul

RT: 12.470 min Scan# 2105

Delta R.T. -0.004 min

Lab File: BM039898.D

Acq: 09 May 2023 17:47

Instrument :

BNA_M

ClientSampleId :

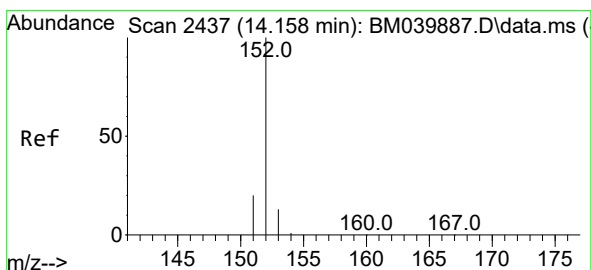
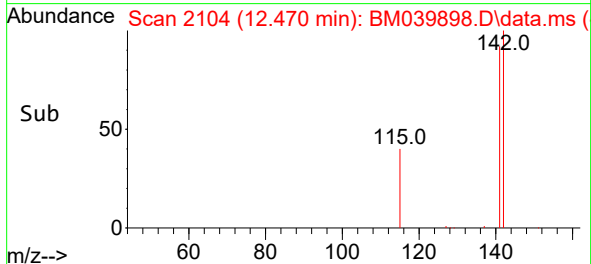
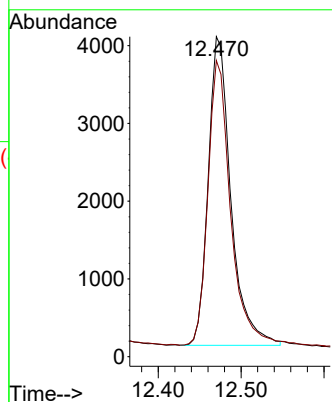
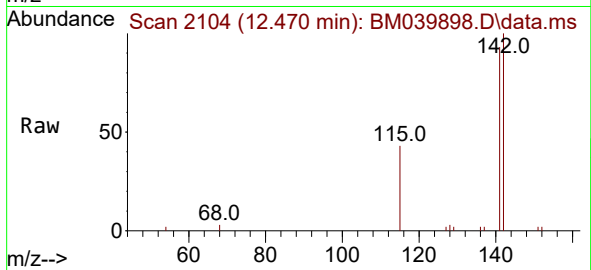
EW949DL

Tgt Ion:142 Resp: 7582

Ion Ratio Lower Upper

142 100

141 91.7 73.4 110.2



#10

Acenaphthylene

Concen: 0.620 ng/ul

RT: 14.159 min Scan# 2437

Delta R.T. 0.001 min

Lab File: BM039898.D

Acq: 09 May 2023 17:47

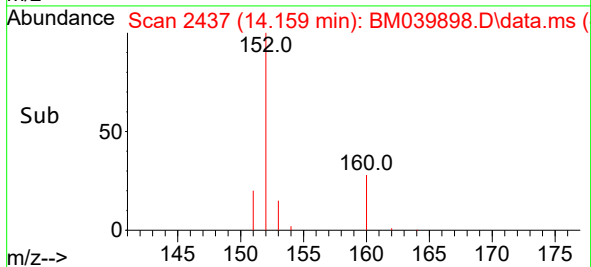
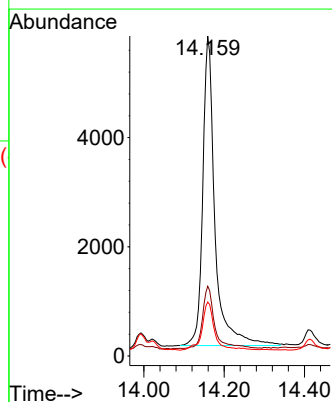
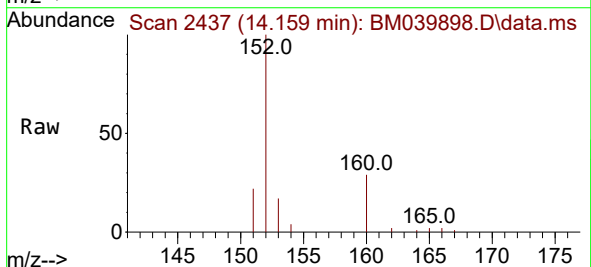
Tgt Ion:152 Resp: 11938

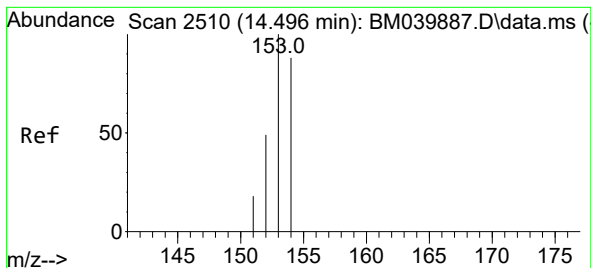
Ion Ratio Lower Upper

152 100

151 21.8 16.0 24.0

153 16.8 11.2 16.8#





#11

Acenaphthene

Concen: 1.737 ng/ul

RT: 14.501 min Scan# 2111

Delta R.T. 0.006 min

Lab File: BM039898.D

Acq: 09 May 2023 17:47

Instrument :

BNA_M

ClientSampleId :

EW949DL

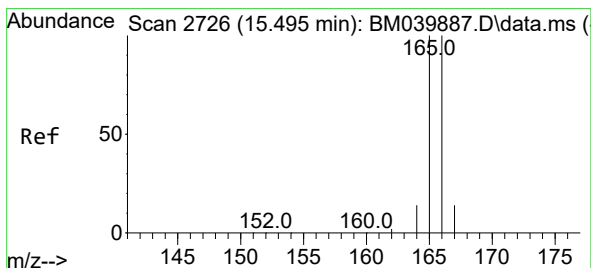
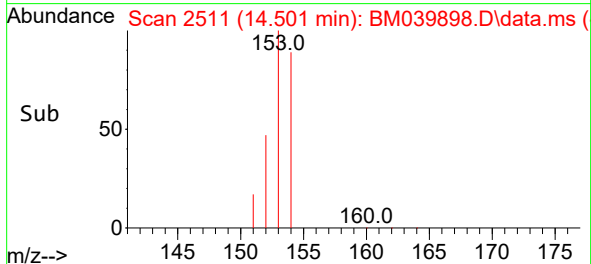
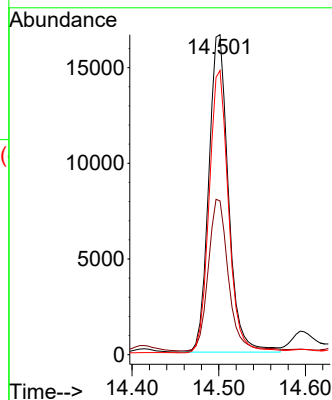
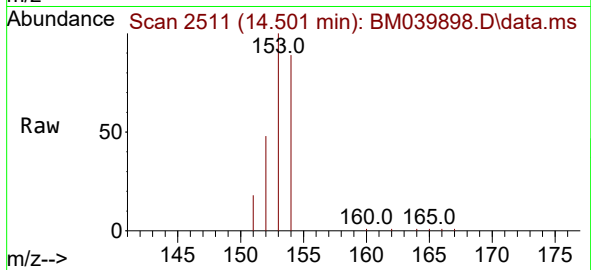
Tgt Ion:153 Resp: 26265

Ion Ratio Lower Upper

153 100

152 48.1 40.6 61.0

154 88.8 71.9 107.9



#12

Fluorene

Concen: 1.733 ng/ul

RT: 15.491 min Scan# 2725

Delta R.T. -0.003 min

Lab File: BM039898.D

Acq: 09 May 2023 17:47

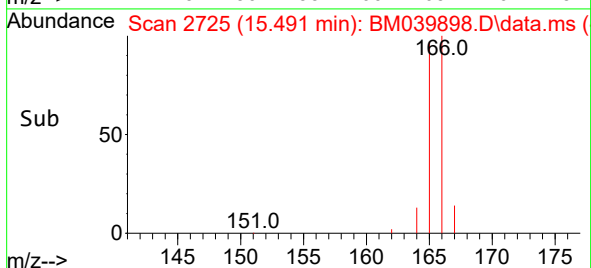
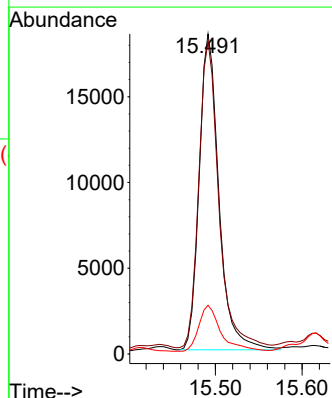
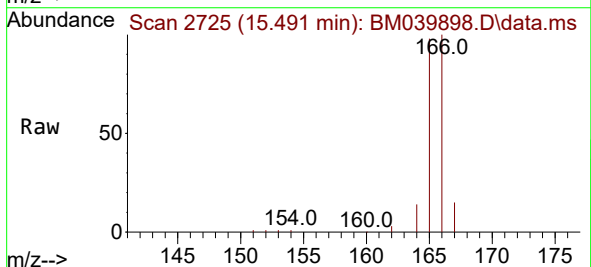
Tgt Ion:166 Resp: 29074

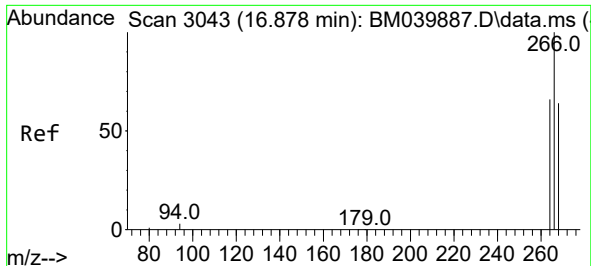
Ion Ratio Lower Upper

166 100

165 97.6 79.0 118.6

167 15.2 11.8 17.6

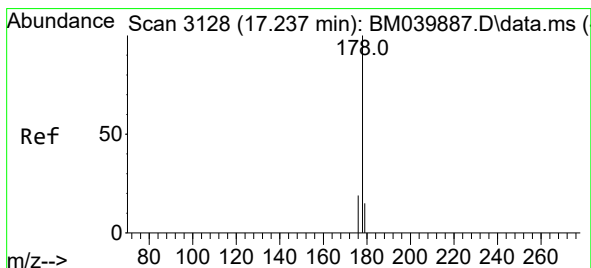
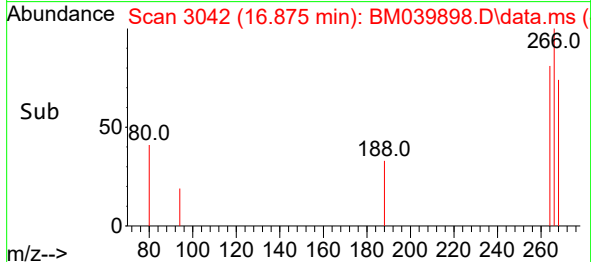
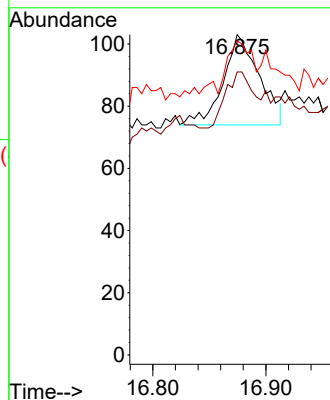
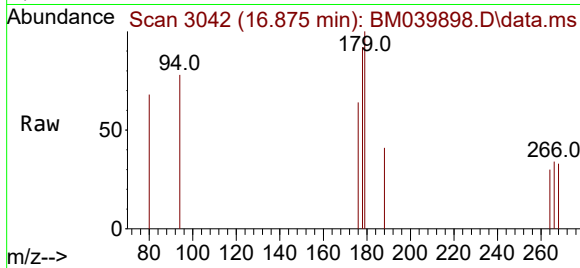




#14
 Pentachlorophenol
 Concen: 0.029 ng/ul
 RT: 16.875 min Scan# 3042
 Delta R.T. -0.003 min
 Lab File: BM039898.D
 Acq: 09 May 2023 17:47

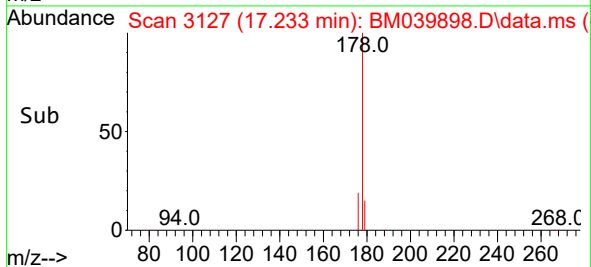
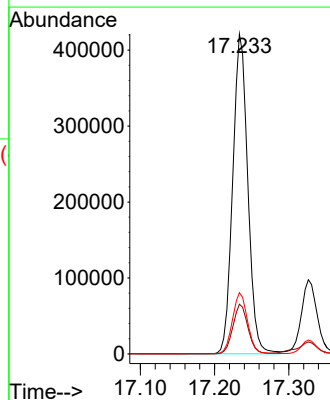
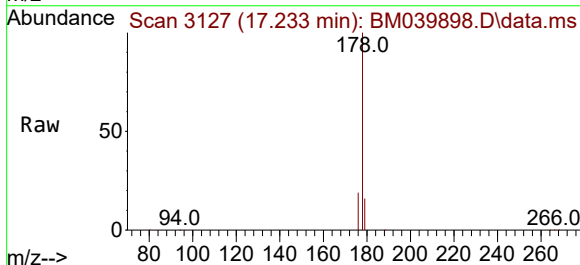
Instrument :
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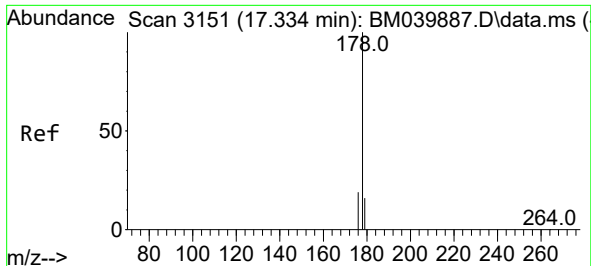
Tgt Ion:266 Resp: 65
 Ion Ratio Lower Upper
 266 100
 264 101.5 48.8 73.2#
 268 52.3 50.4 75.6



#15
 Phenanthrene
 Concen: 21.812 ng/ul
 RT: 17.233 min Scan# 3127
 Delta R.T. -0.003 min
 Lab File: BM039898.D
 Acq: 09 May 2023 17:47

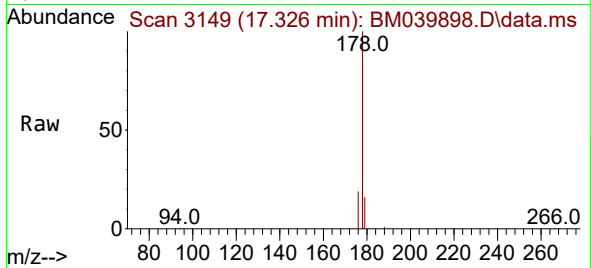
Tgt Ion:178 Resp: 592346
 Ion Ratio Lower Upper
 178 100
 179 15.6 13.0 19.6
 176 19.2 15.8 23.8



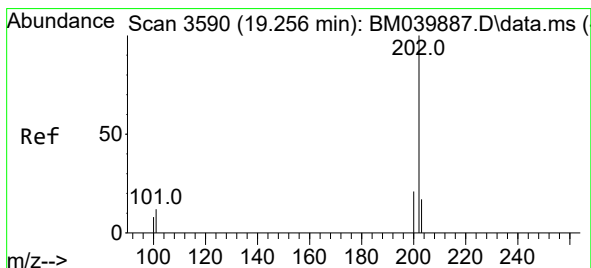
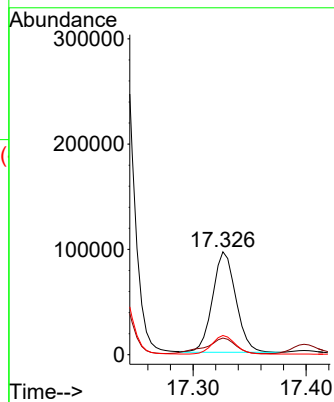
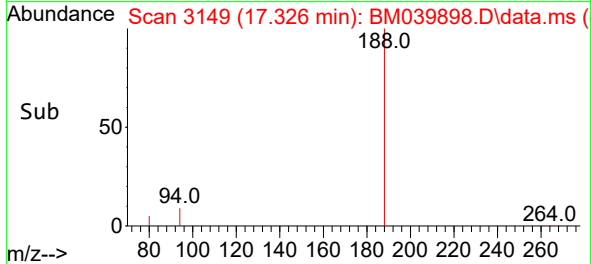


#16
Anthracene
Concen: 5.861 ng/ul
RT: 17.326 min Scan# 3151
Delta R.T. -0.007 min
Lab File: BM039898.D
Acq: 09 May 2023 17:47

Instrument :
BNA_M
ClientSampleId :
EW949DL

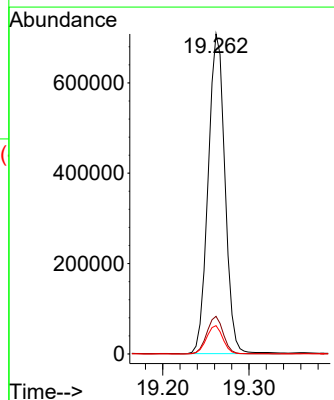
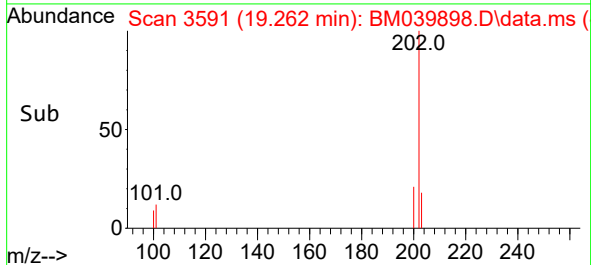
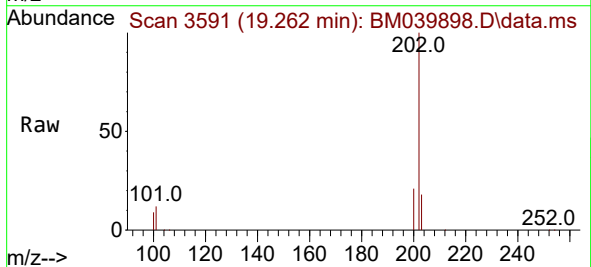


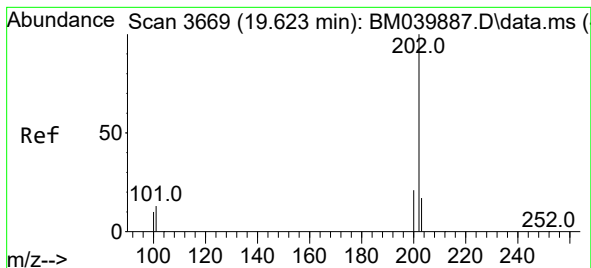
Tgt Ion:178 Resp: 136675
Ion Ratio Lower Upper
178 100
179 16.1 13.8 20.6
176 18.7 15.8 23.8



#19
Fluoranthene
Concen: 38.833 ng/ul
RT: 19.262 min Scan# 3591
Delta R.T. 0.006 min
Lab File: BM039898.D
Acq: 09 May 2023 17:47

Tgt Ion:202 Resp: 958982
Ion Ratio Lower Upper
202 100
101 11.7 9.8 14.8
100 8.9 7.3 10.9





#20

Pyrene

Concen: 28.872 ng/ul

RT: 19.629 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM039898.D

Acq: 09 May 2023 17:47

Instrument :

BNA_M

ClientSampleId :

EW949DL

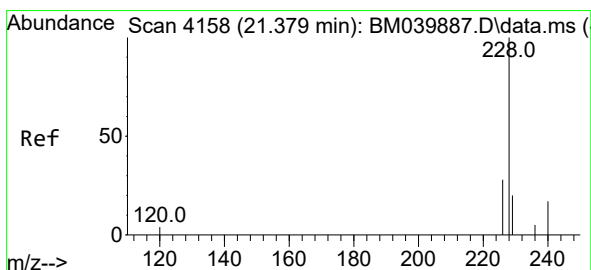
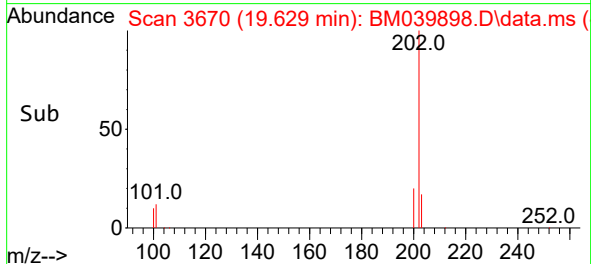
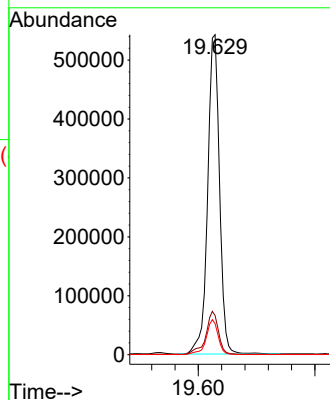
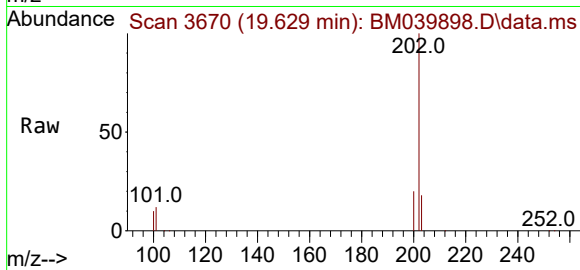
Tgt Ion:202 Resp: 769971

Ion Ratio Lower Upper

202 100

101 12.3 10.9 16.3

100 9.7 8.9 13.3



#21

Benzo(a)anthracene

Concen: 19.024 ng/ul

RT: 21.380 min Scan# 4158

Delta R.T. 0.001 min

Lab File: BM039898.D

Acq: 09 May 2023 17:47

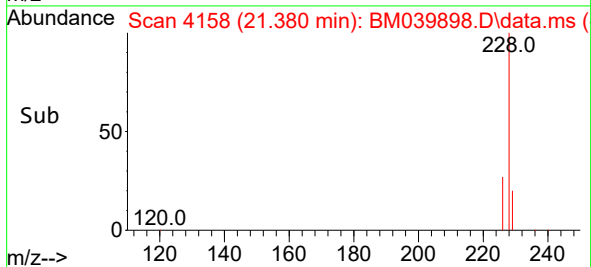
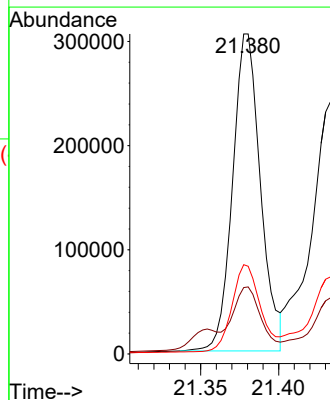
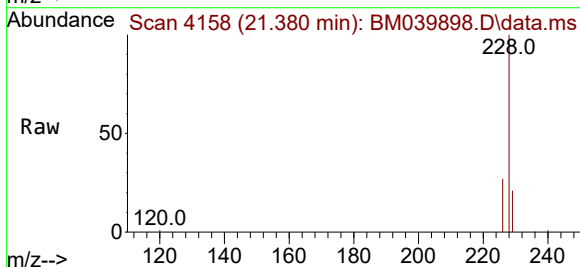
Tgt Ion:228 Resp: 378608

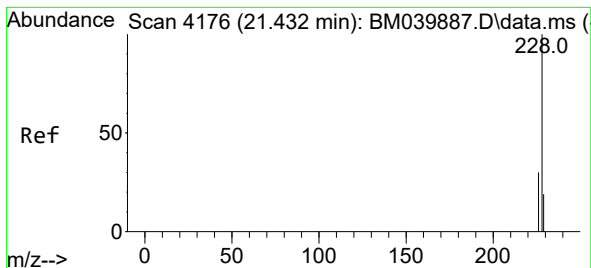
Ion Ratio Lower Upper

228 100

229 21.0 16.2 24.2

226 27.4 21.6 32.4





#22

Chrysene

Concen: 15.612 ng/ul

RT: 21.433 min Scan# 4176

Delta R.T. 0.001 min

Lab File: BM039898.D

Acq: 09 May 2023 17:47

Instrument :

BNA_M

ClientSampleId :

EW949DL

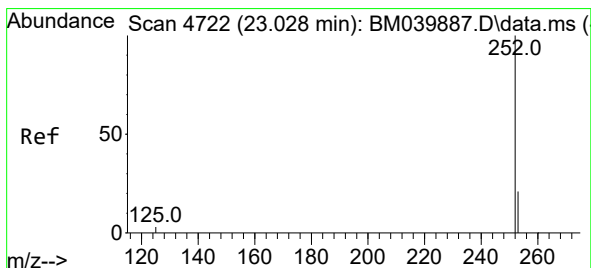
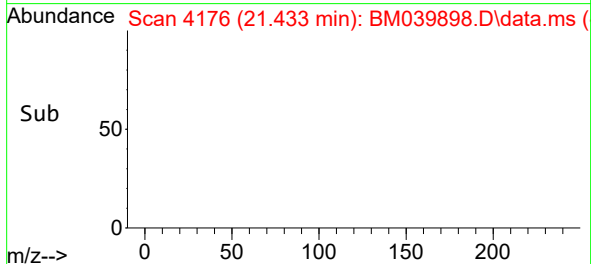
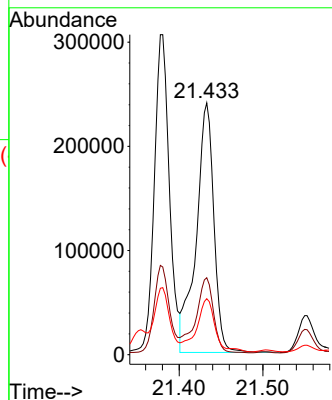
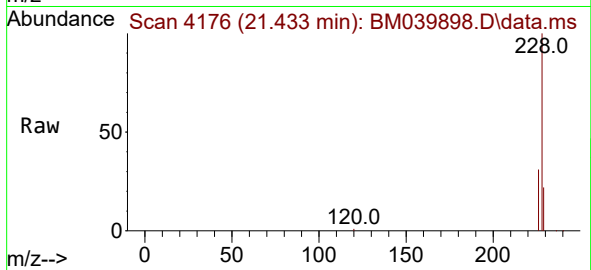
Tgt Ion:228 Resp: 351618

Ion Ratio Lower Upper

228 100

226 30.6 24.3 36.5

229 22.3 15.9 23.9



#24

Benzo(b)fluoranthene

Concen: 15.116 ng/ul

RT: 23.035 min Scan# 4724

Delta R.T. 0.007 min

Lab File: BM039898.D

Acq: 09 May 2023 17:47

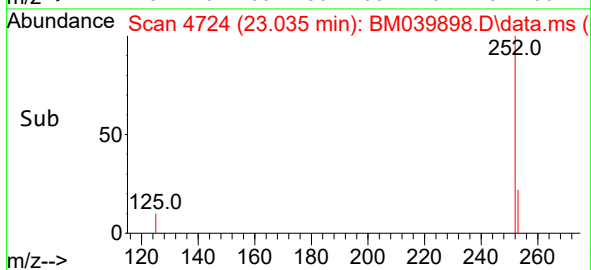
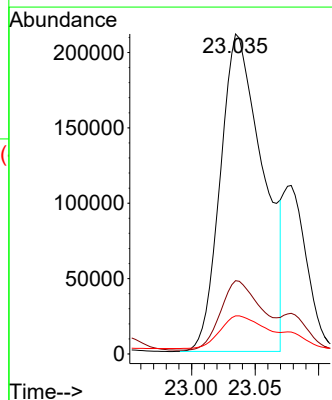
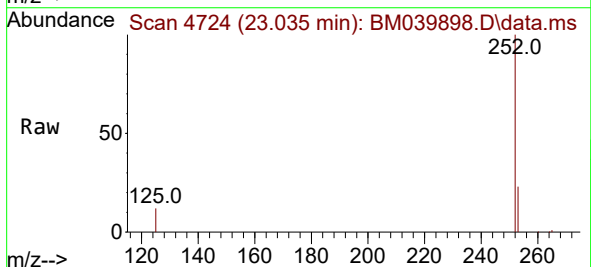
Tgt Ion:252 Resp: 491142

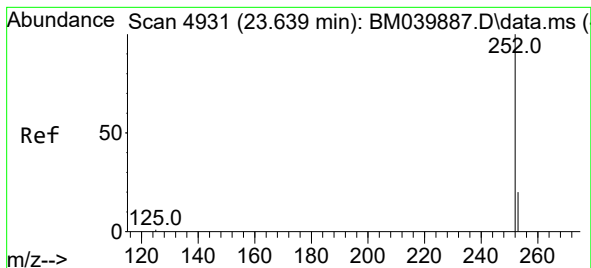
Ion Ratio Lower Upper

252 100

253 22.9 0.0 52.8

125 11.9 0.0 31.6





#26

Benzo(a)pyrene

Concen: 12.097 ng/ul

RT: 23.646 min Scan# 4931

Delta R.T. 0.007 min

Lab File: BM039898.D

Acq: 09 May 2023 17:47

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EW949DL

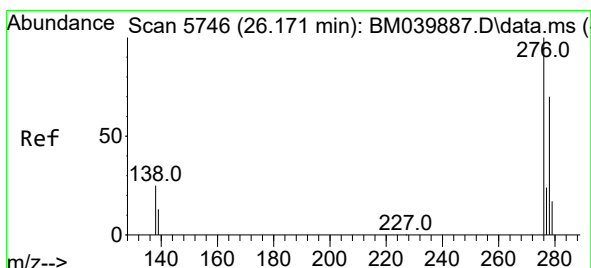
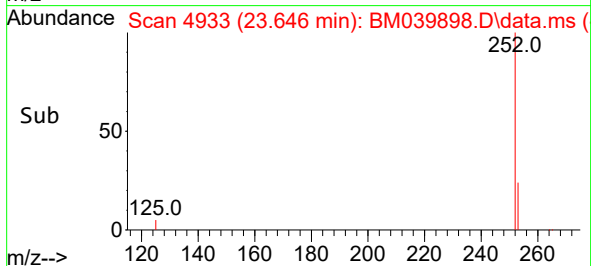
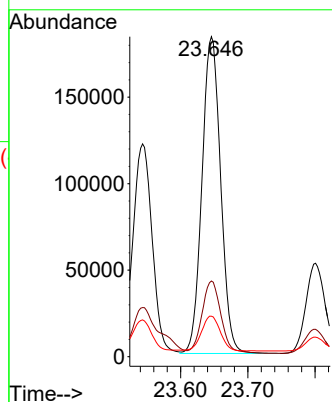
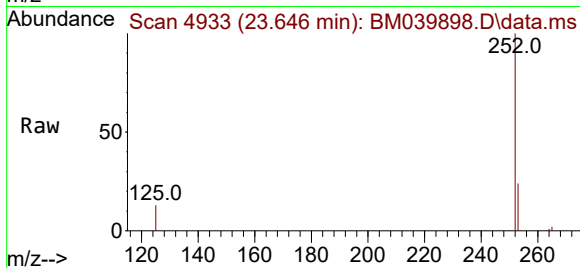
Tgt Ion:252 Resp: 352898

Ion Ratio Lower Upper

252 100

253 23.7 24.7 37.1#

125 12.6 16.5 24.7#



#27

Indeno(1,2,3-cd)pyrene

Concen: 6.844 ng/ul

RT: 26.192 min Scan# 5752

Delta R.T. 0.021 min

Lab File: BM039898.D

Acq: 09 May 2023 17:47

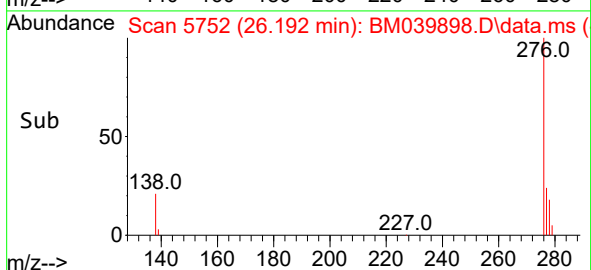
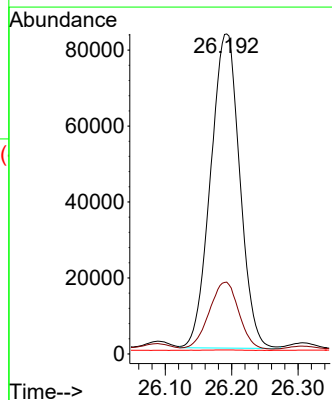
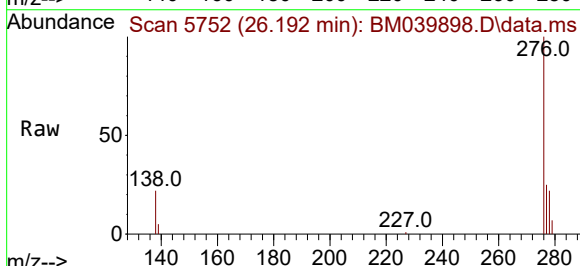
Tgt Ion:276 Resp: 252466

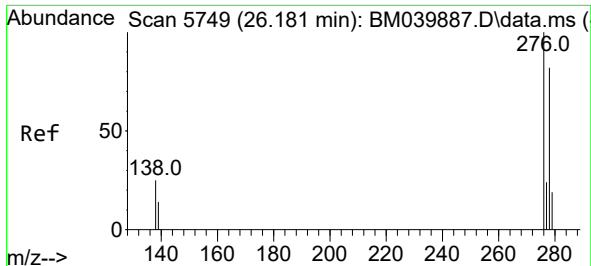
Ion Ratio Lower Upper

276 100

138 21.6 21.1 31.7

227 0.1 0.1 0.1#

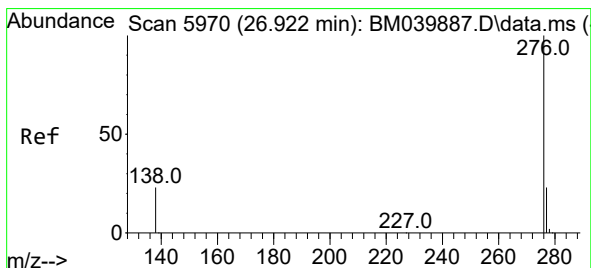
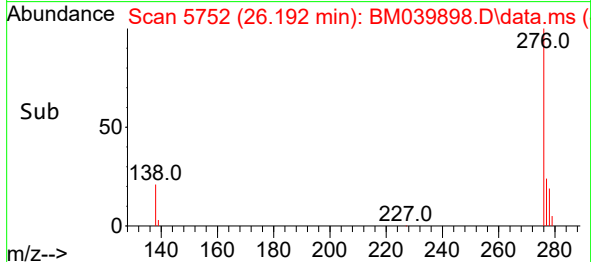
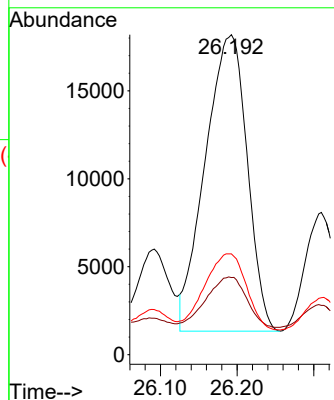
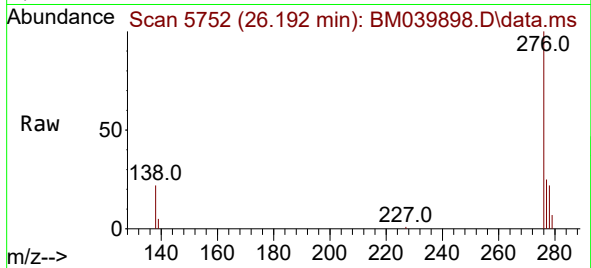




#28
Dibenzo(a,h)anthracene
Concen: 2.240 ng/ul
RT: 26.192 min Scan# 51
Delta R.T. 0.011 min
Lab File: BM039898.D
Acq: 09 May 2023 17:47

Instrument :
BNA_M
ClientSampleId :
EW949DL

Tgt Ion:278 Resp: 64136
Ion Ratio Lower Upper
278 100
139 24.1 17.0 25.6
279 31.5 23.4 35.2



#29
Benzo(g,h,i)perylene
Concen: 7.363 ng/ul
RT: 26.947 min Scan# 5977
Delta R.T. 0.025 min
Lab File: BM039898.D
Acq: 09 May 2023 17:47

Tgt Ion:276 Resp: 236657
Ion Ratio Lower Upper
276 100
138 23.0 20.1 30.1
277 25.2 20.1 30.1

