

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072624\
 Data File : BM046840.D
 Acq On : 26 Jul 2024 20:58
 Operator : MA/JU
 Sample : P3263-10DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BD6DL

Quant Time: Jul 27 00:08:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 24 15:10:37 2024
 Response via : Initial Calibration

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

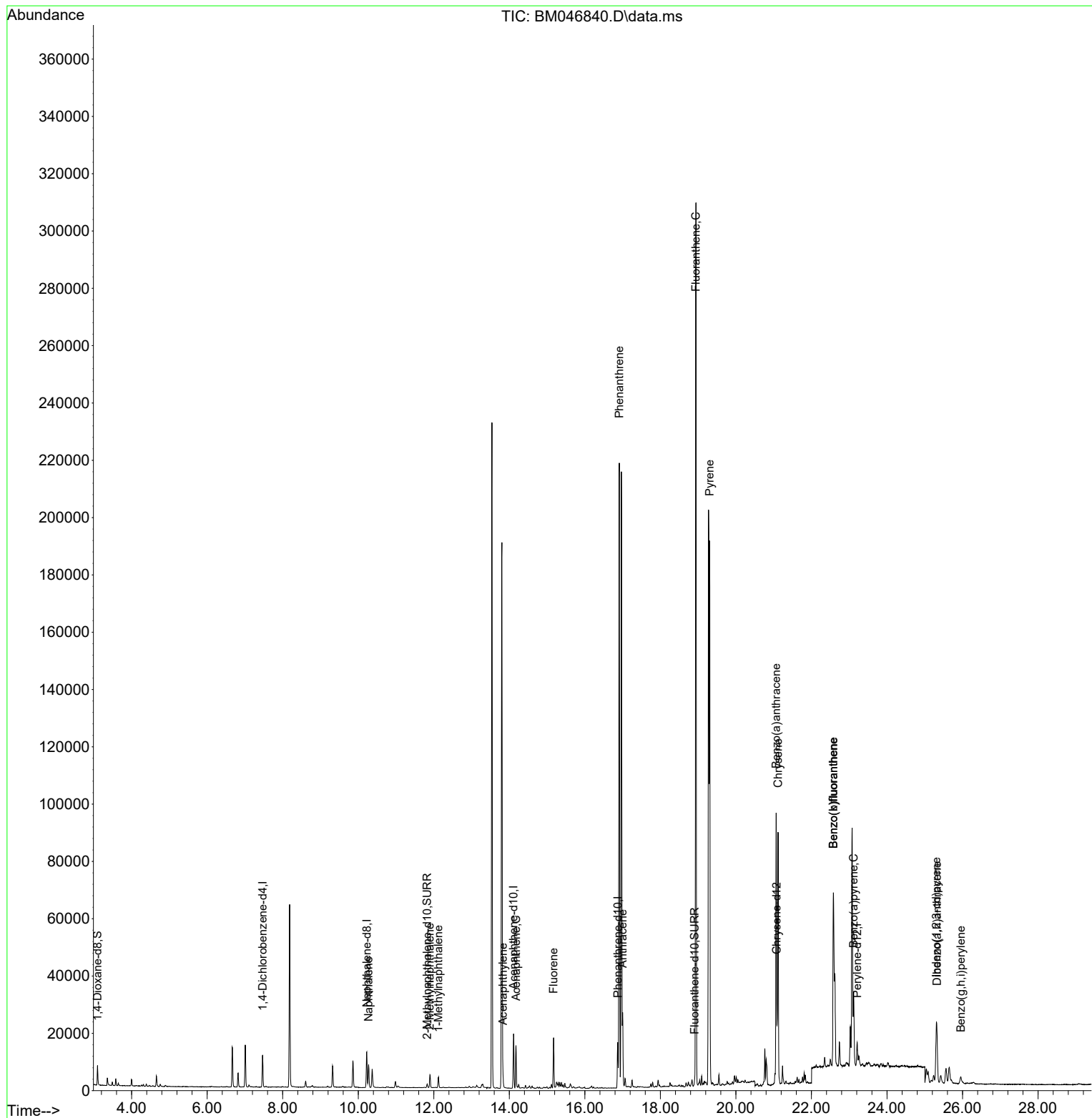
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.468	152	5387	0.400	ng/ul	0.00
4) Naphthalene-d8	10.226	136	16778	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.112	164	10017	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.870	188	19292	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.079	240	9430	0.400	ng/ul	# 0.00
23) Perylene-d12	23.209	264	9579	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.096	96	3942	1.045	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.826	152	1662	0.062	ng/ul	0.00
18) Fluoranthene-d10	18.908	212	2758	0.090	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.270	128	7548	0.178	ng/ul	99
7) 2-Methylnaphthalene	11.897	142	3120	0.107	ng/ul	99
8) 1-Methylnaphthalene	12.123	142	2492	0.083	ng/ul	98
10) Acenaphthylene	13.830	152	5229	0.114	ng/ul	96
11) Acenaphthene	14.177	153	8521	0.274	ng/ul	99
12) Fluorene	15.171	166	10580	0.272	ng/ul	98
15) Phenanthrene	16.912	178	220978	3.985	ng/ul	97
16) Anthracene	17.001	178	25316	0.490	ng/ul	99
19) Fluoranthene	18.940	202	265204	6.404	ng/ul	97
20) Pyrene	19.303	202	161768	3.776	ng/ul#	94
21) Benzo(a)anthracene	21.064	228	74416	1.894	ng/ul	99
22) Chrysene	21.114	228	81815	2.050	ng/ul	99
24) Benzo(b)fluoranthene	22.581	252	132509	3.151	ng/ul	94
25) Benzo(k)fluoranthene	22.581	252	132509	3.127	ng/ul	92
26) Benzo(a)pyrene	23.116	252	33064	1.095	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	25.310	276	32727	0.704	ng/ul#	93
28) Dibenzo(a,h)anthracene	25.323	278	10989	0.323	ng/ul#	85
29) Benzo(g,h,i)perylene	25.953	276	5087	0.124	ng/ul#	69

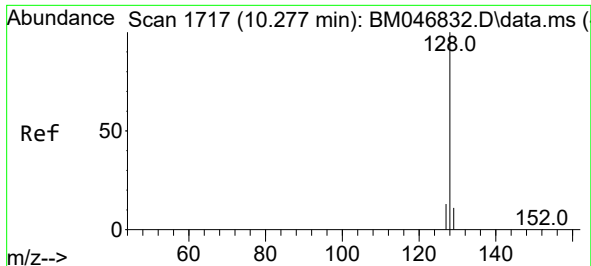
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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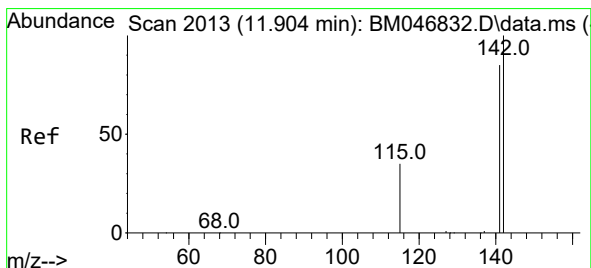
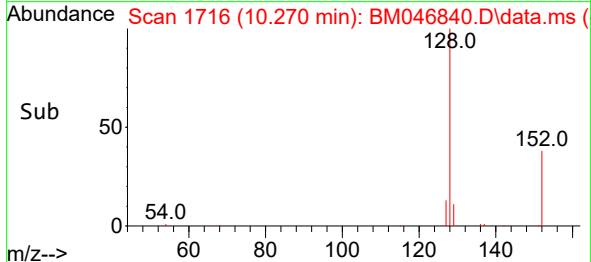
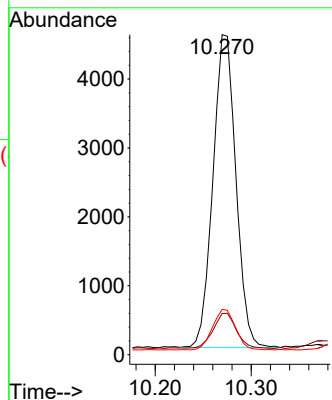
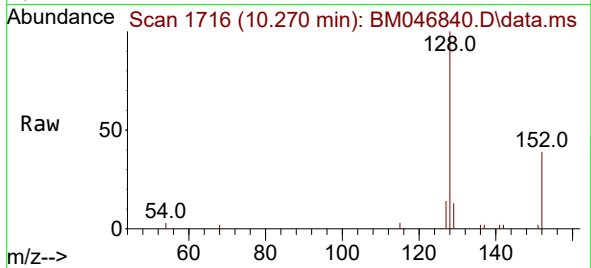




#5
Naphthalene
Concen: 0.178 ng/ul
RT: 10.270 min Scan# 11
Delta R.T. -0.007 min
Lab File: BM046840.D
Acq: 26 Jul 2024 20:58

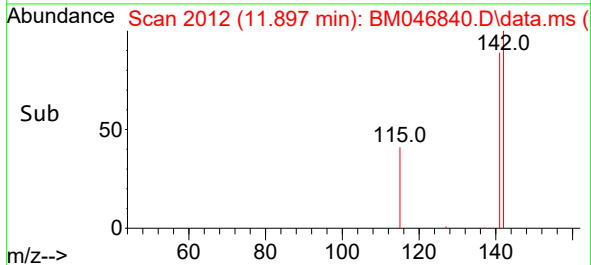
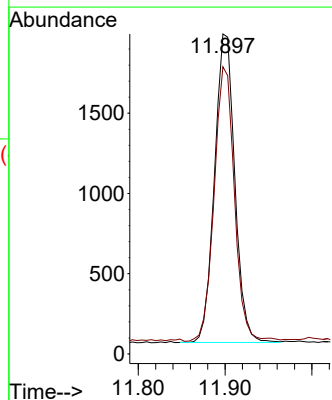
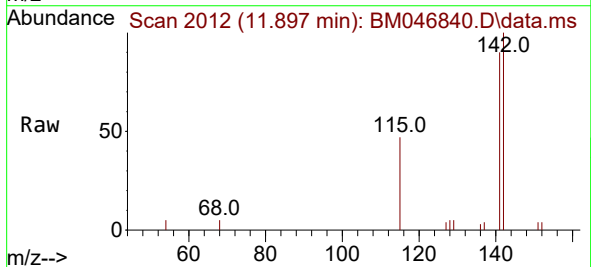
Instrument :
BNA_M
ClientSampleId :
A4BD6DL

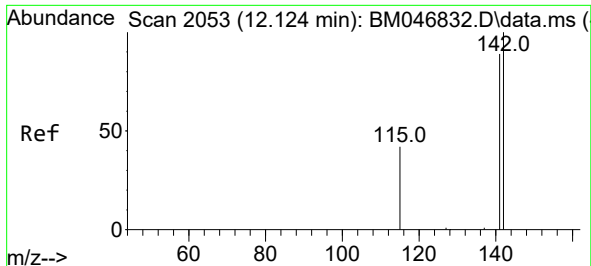
Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.9	10.1	15.1
127	14.1	11.5	17.3



#7
2-Methylnaphthalene
Concen: 0.107 ng/ul
RT: 11.897 min Scan# 2012
Delta R.T. -0.007 min
Lab File: BM046840.D
Acq: 26 Jul 2024 20:58

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.5	105.7

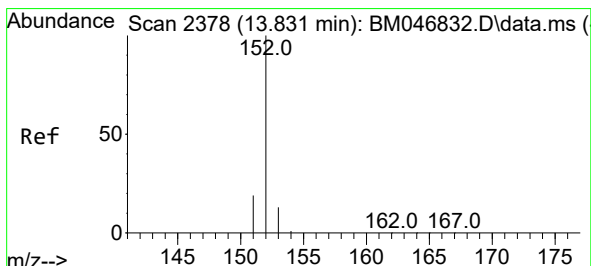
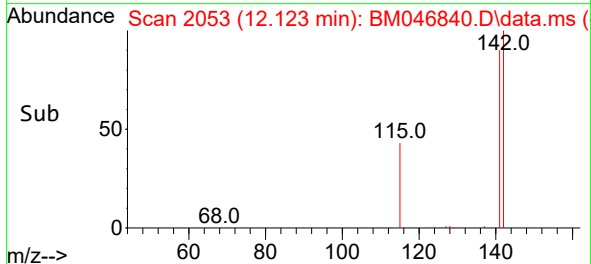
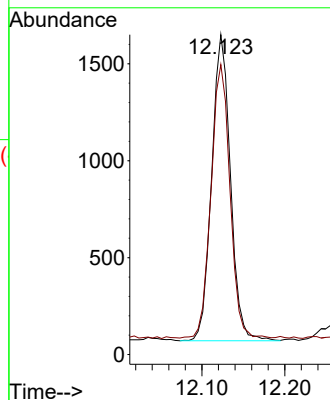
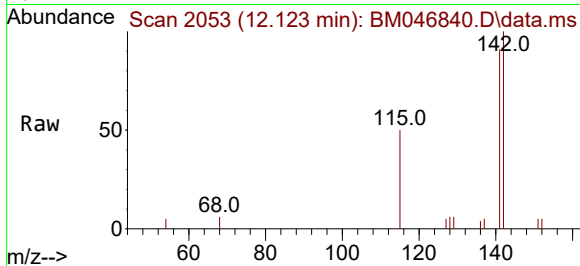




#8
1-Methylnaphthalene
Concen: 0.083 ng/ul
RT: 12.123 min Scan# 2053
Delta R.T. -0.007 min
Lab File: BM046840.D
Acq: 26 Jul 2024 20:58

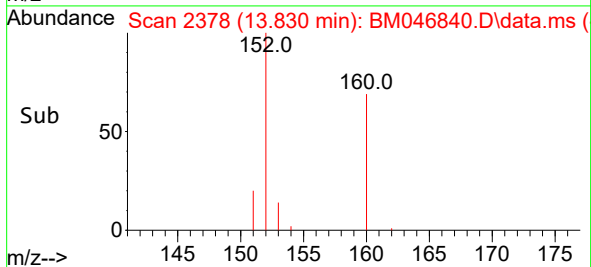
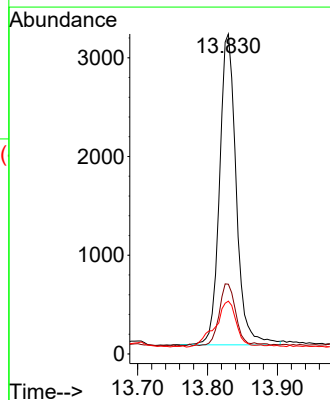
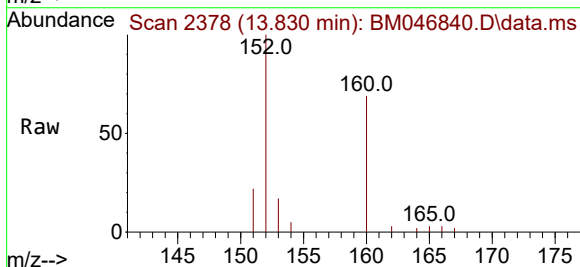
Instrument :
BNA_M
ClientSampleId :
A4BD6DL

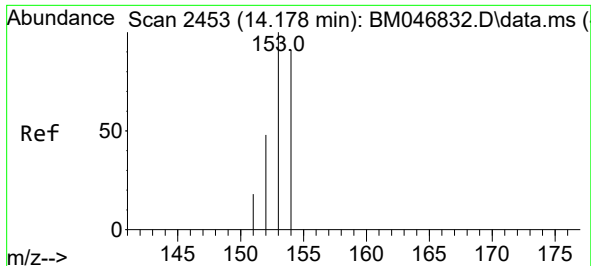
Tgt Ion:142 Resp: 2492
Ion Ratio Lower Upper
142 100
141 89.9 73.1 109.7



#10
Acenaphthylene
Concen: 0.114 ng/ul
RT: 13.830 min Scan# 2378
Delta R.T. -0.001 min
Lab File: BM046840.D
Acq: 26 Jul 2024 20:58

Tgt Ion:152 Resp: 5229
Ion Ratio Lower Upper
152 100
151 21.8 16.8 25.2
153 16.5 11.0 16.6

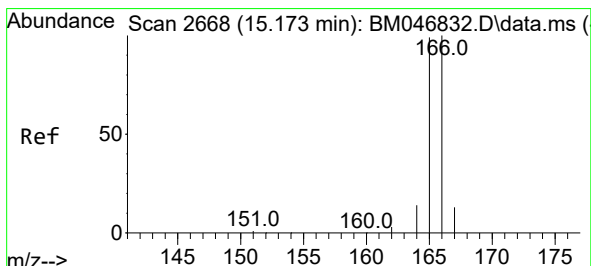
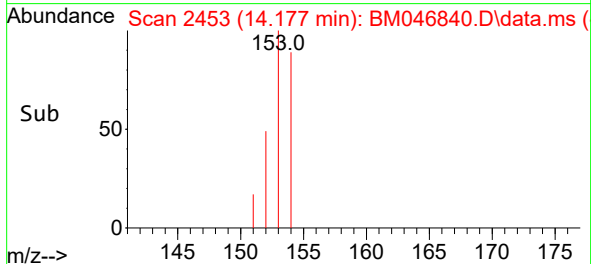
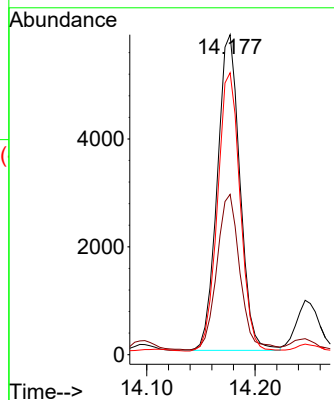
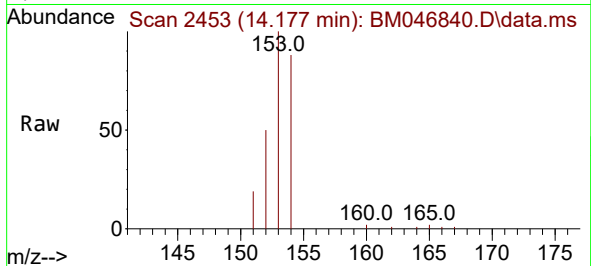




#11
Acenaphthene
Concen: 0.274 ng/ul
RT: 14.177 min Scan# 2453
Delta R.T. -0.006 min
Lab File: BM046840.D
Acq: 26 Jul 2024 20:58

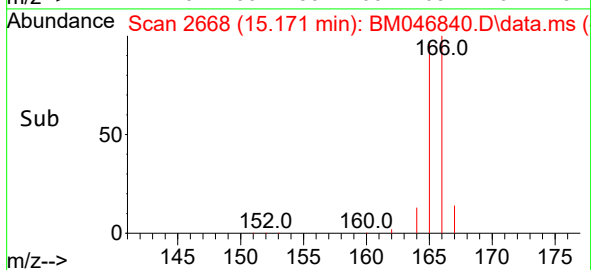
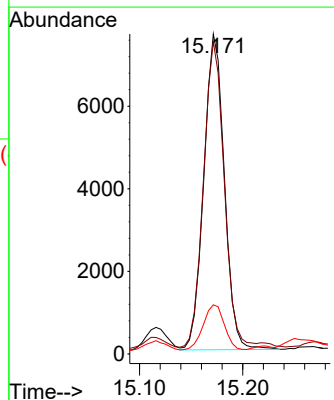
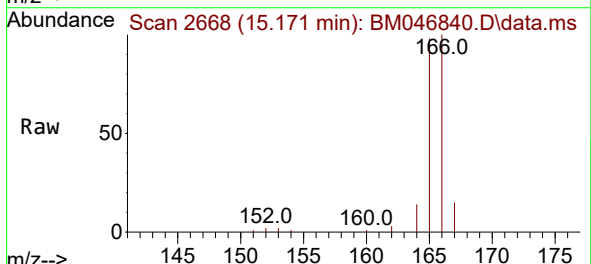
Instrument :
BNA_M
ClientSampleId :
A4BD6DL

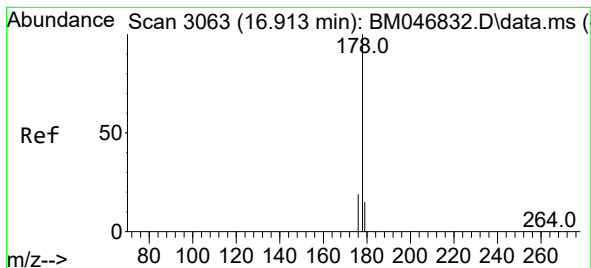
Tgt Ion:153 Resp: 8521
Ion Ratio Lower Upper
153 100
152 50.1 38.6 57.8
154 88.1 70.8 106.2



#12
Fluorene
Concen: 0.272 ng/ul
RT: 15.171 min Scan# 2668
Delta R.T. -0.006 min
Lab File: BM046840.D
Acq: 26 Jul 2024 20:58

Tgt Ion:166 Resp: 10580
Ion Ratio Lower Upper
166 100
165 97.7 79.8 119.6
167 15.3 12.3 18.5





#15

Phenanthrene

Concen: 3.985 ng/ul

RT: 16.912 min Scan# 3063

Delta R.T. -0.001 min

Lab File: BM046840.D

Acq: 26 Jul 2024 20:58

Instrument :

BNA_M

ClientSampleId :

A4BD6DL

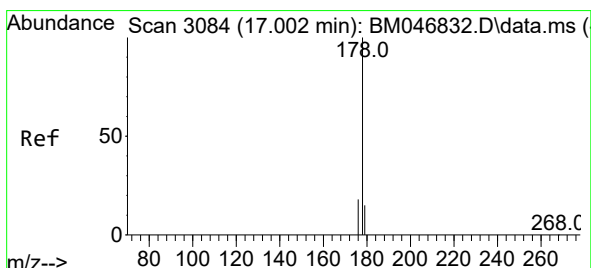
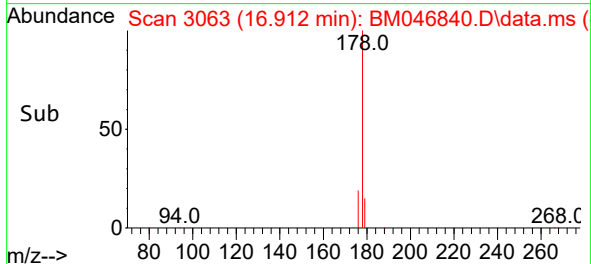
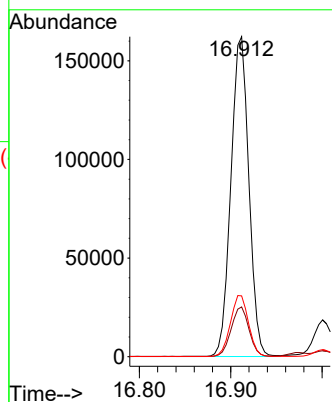
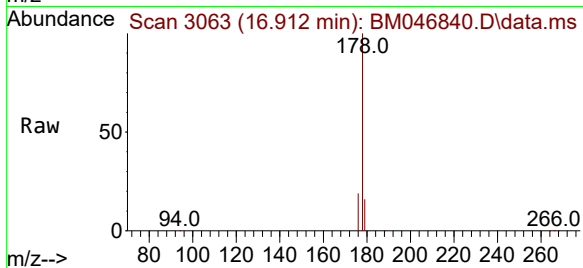
Tgt Ion:178 Resp: 220978

Ion Ratio Lower Upper

178 100

179 15.6 13.4 20.2

176 19.0 16.1 24.1



#16

Anthracene

Concen: 0.490 ng/ul

RT: 17.001 min Scan# 3084

Delta R.T. -0.006 min

Lab File: BM046840.D

Acq: 26 Jul 2024 20:58

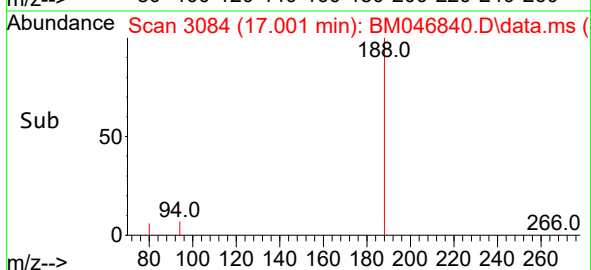
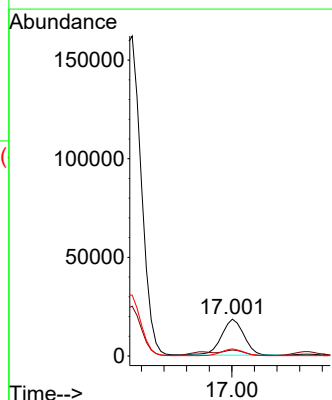
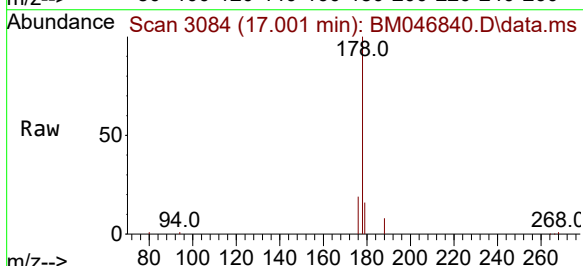
Tgt Ion:178 Resp: 25316

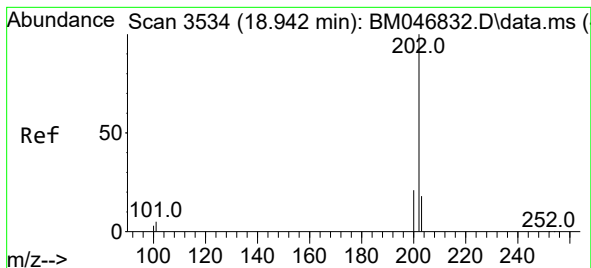
Ion Ratio Lower Upper

178 100

179 15.9 13.1 19.7

176 19.0 15.0 22.6





#19

Fluoranthene

Concen: 6.404 ng/ul

RT: 18.940 min Scan# 3534

Delta R.T. -0.001 min

Lab File: BM046840.D

Acq: 26 Jul 2024 20:58

Instrument :

BNA_M

ClientSampleId :

A4BD6DL

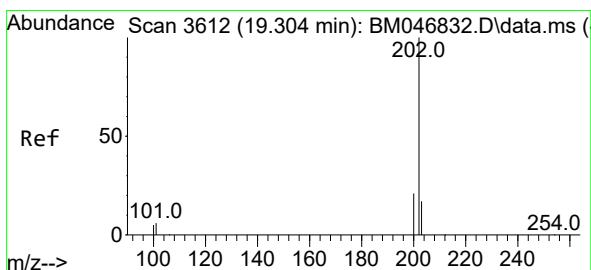
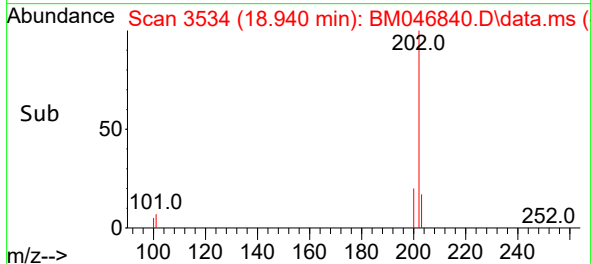
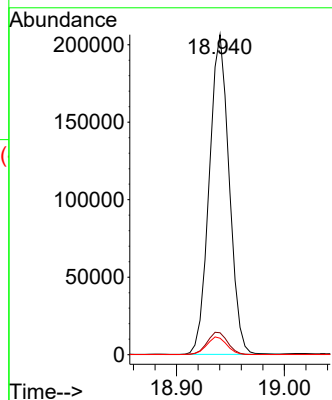
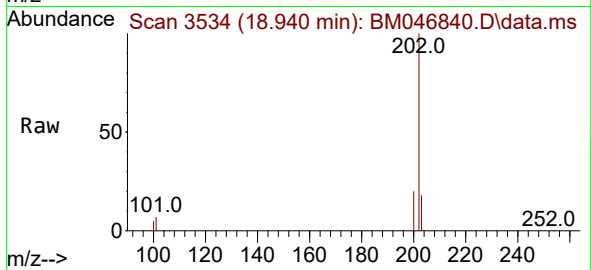
Tgt Ion:202 Resp: 265204

Ion Ratio Lower Upper

202 100

101 6.9 4.7 7.1

100 5.1 3.4 5.2



#20

Pyrene

Concen: 3.776 ng/ul

RT: 19.303 min Scan# 3612

Delta R.T. -0.001 min

Lab File: BM046840.D

Acq: 26 Jul 2024 20:58

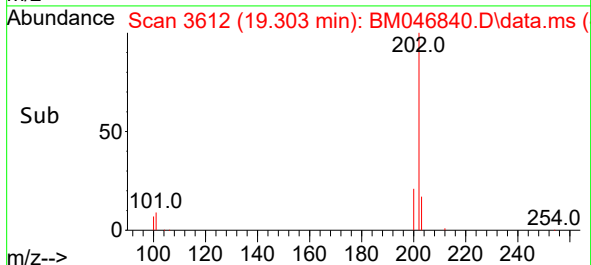
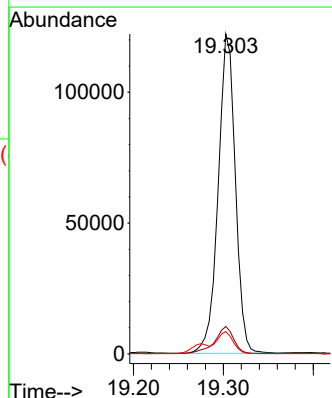
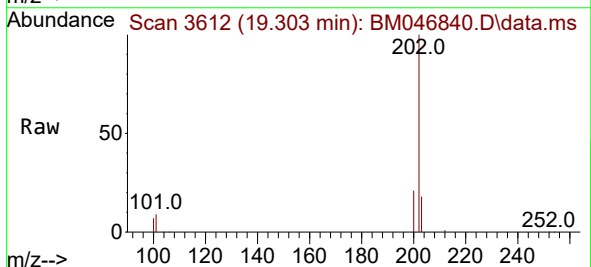
Tgt Ion:202 Resp: 161768

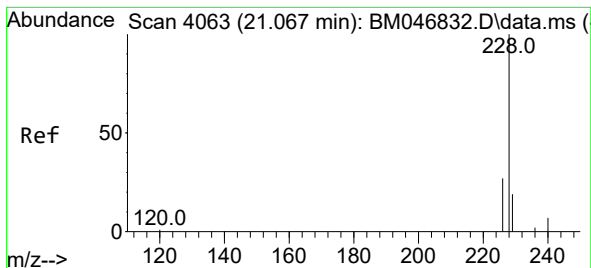
Ion Ratio Lower Upper

202 100

101 8.6 5.2 7.8#

100 7.0 4.3 6.5#





#21

Benzo(a)anthracene

Concen: 1.894 ng/ul

RT: 21.064 min Scan# 4062

Delta R.T. 0.000 min

Lab File: BM046840.D

Acq: 26 Jul 2024 20:58

Instrument :

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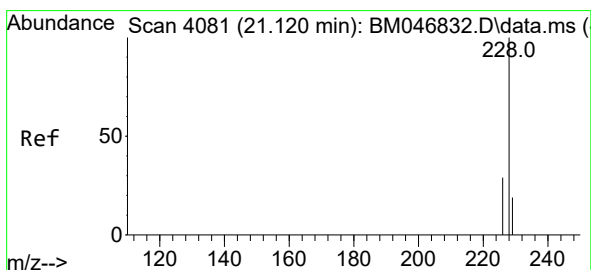
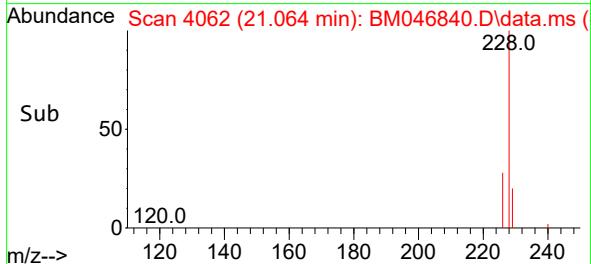
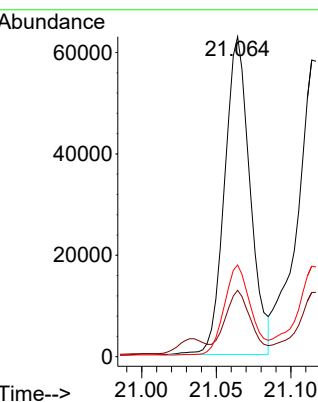
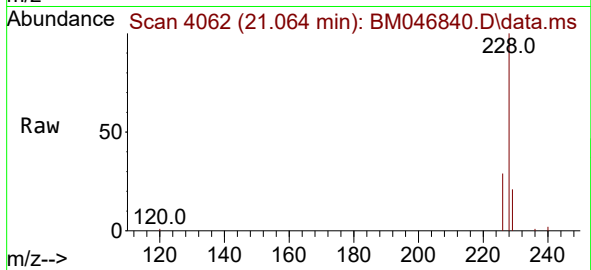
Tgt Ion:228 Resp: 74416

Ion Ratio Lower Upper

228 100

229 20.7 16.3 24.5

226 28.7 22.3 33.5



#22

Chrysene

Concen: 2.050 ng/ul

RT: 21.114 min Scan# 4079

Delta R.T. -0.003 min

Lab File: BM046840.D

Acq: 26 Jul 2024 20:58

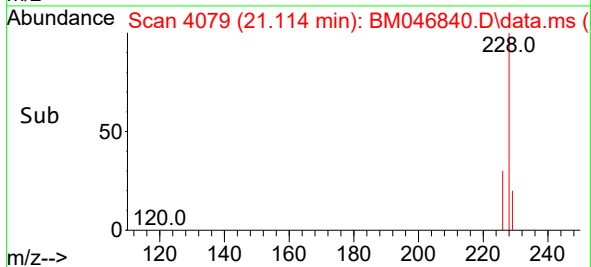
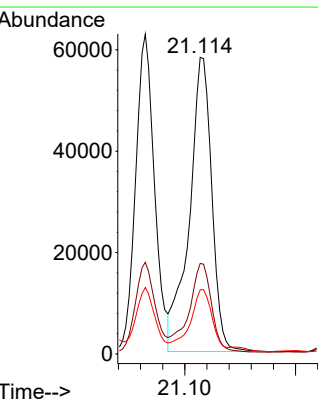
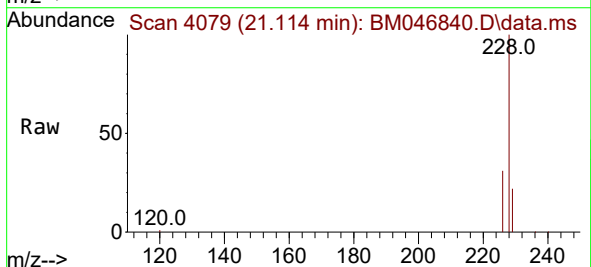
Tgt Ion:228 Resp: 81815

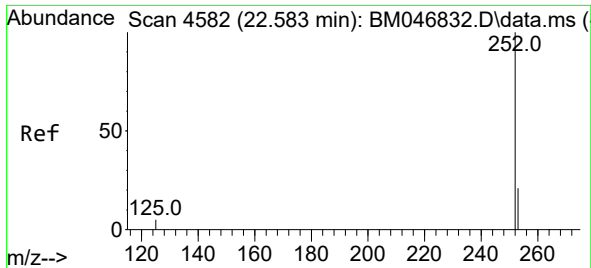
Ion Ratio Lower Upper

228 100

226 30.5 24.5 36.7

229 21.6 16.2 24.2

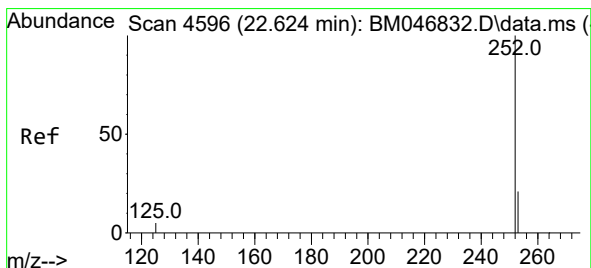
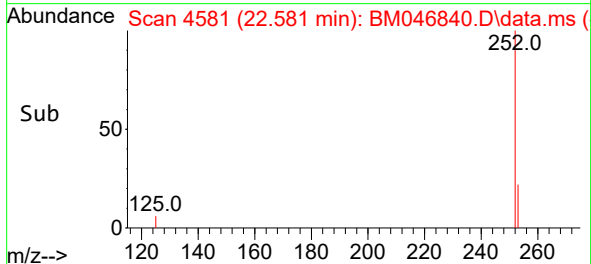
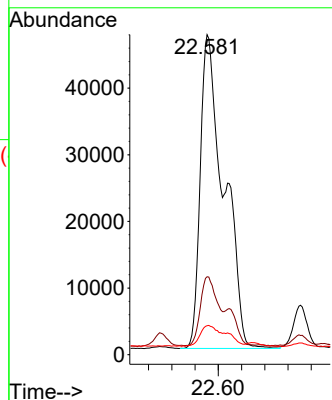
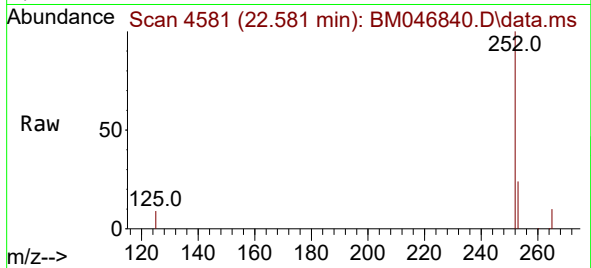




#24
Benzo(b)fluoranthene
Concen: 3.151 ng/ul
RT: 22.581 min Scan# 4581
Delta R.T. 0.000 min
Lab File: BM046840.D
Acq: 26 Jul 2024 20:58

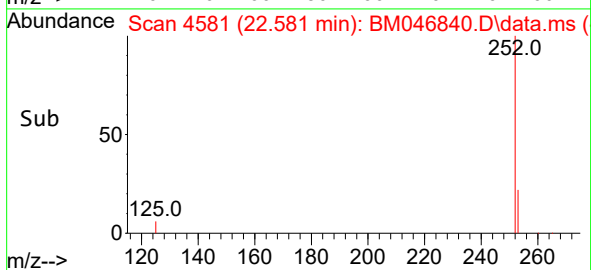
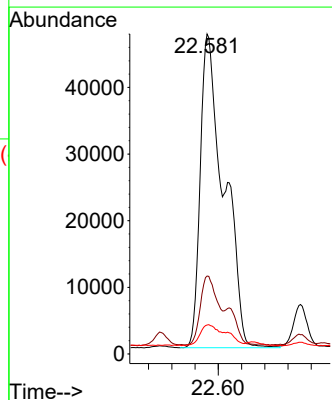
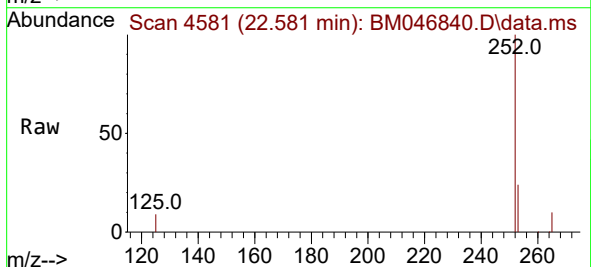
Instrument :
BNA_M
ClientSampleId :
A4BD6DL

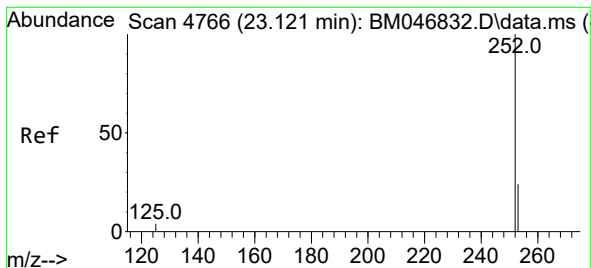
Tgt Ion:252 Resp: 132509
Ion Ratio Lower Upper
252 100
253 24.3 0.0 56.4
125 9.0 0.0 15.8



#25
Benzo(k)fluoranthene
Concen: 3.127 ng/ul
RT: 22.581 min Scan# 4581
Delta R.T. -0.041 min
Lab File: BM046840.D
Acq: 26 Jul 2024 20:58

Tgt Ion:252 Resp: 132509
Ion Ratio Lower Upper
252 100
253 24.3 23.5 35.3
125 9.0 8.6 13.0





#26

Benzo(a)pyrene

Concen: 1.095 ng/ul

RT: 23.116 min Scan# 41

Delta R.T. -0.003 min

Lab File: BM046840.D

Acq: 26 Jul 2024 20:58

Instrument :

BNA_M

ClientSampleId :

A4BD6DL

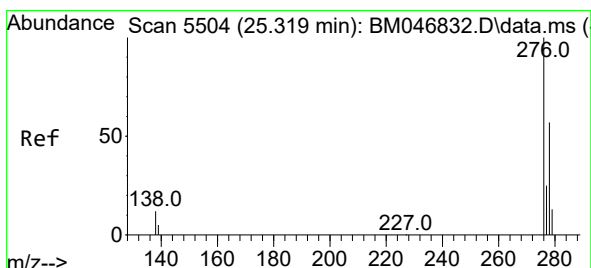
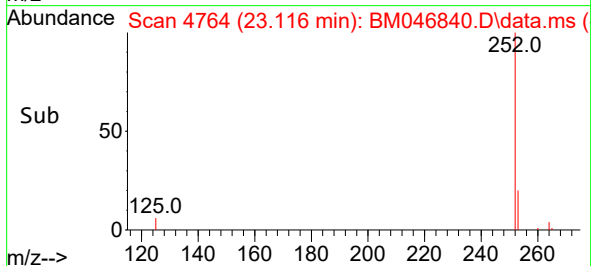
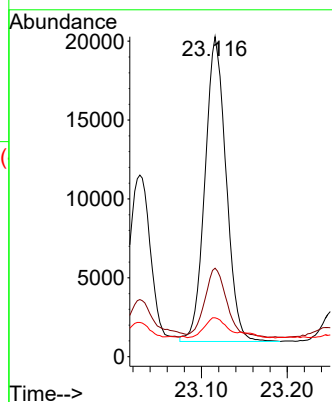
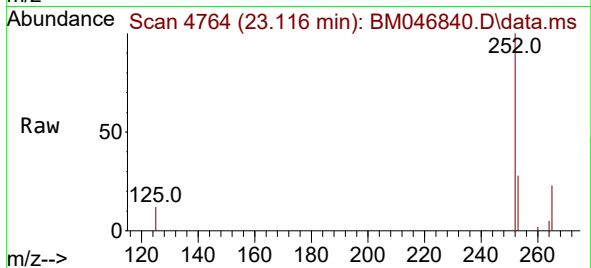
Tgt Ion:252 Resp: 33064

Ion Ratio Lower Upper

252 100

253 27.7 26.0 39.0

125 12.2 7.8 11.8#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.704 ng/ul

RT: 25.310 min Scan# 5501

Delta R.T. -0.006 min

Lab File: BM046840.D

Acq: 26 Jul 2024 20:58

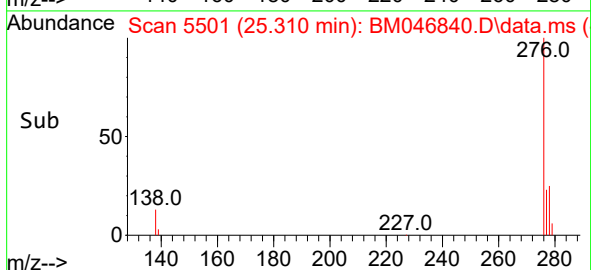
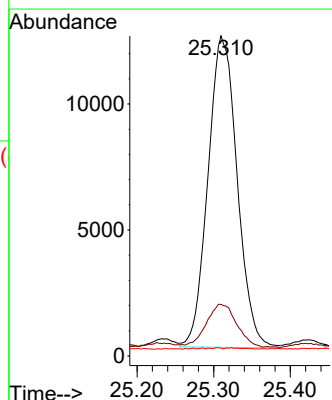
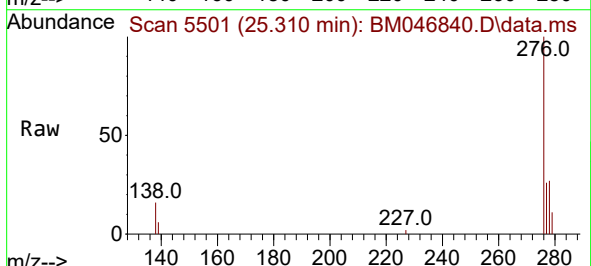
Tgt Ion:276 Resp: 32727

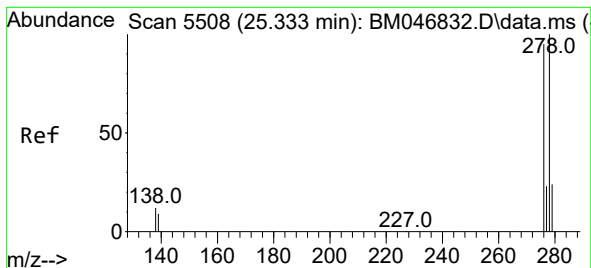
Ion Ratio Lower Upper

276 100

138 14.9 9.7 14.5#

227 0.1 0.2 0.2#





#28

Dibenzo(a,h)anthracene

Concen: 0.323 ng/ul

RT: 25.323 min Scan# 5

Delta R.T. -0.010 min

Lab File: BM046840.D

Acq: 26 Jul 2024 20:58

Instrument :

BNA_M

ClientSampleId :

A4BD6DL

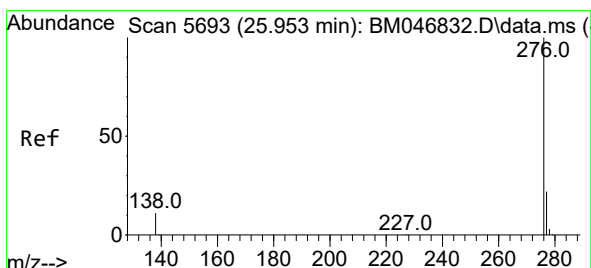
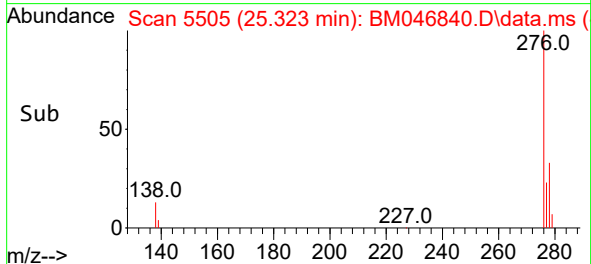
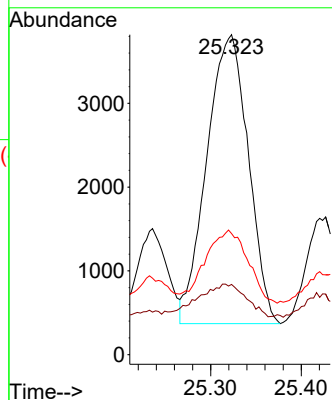
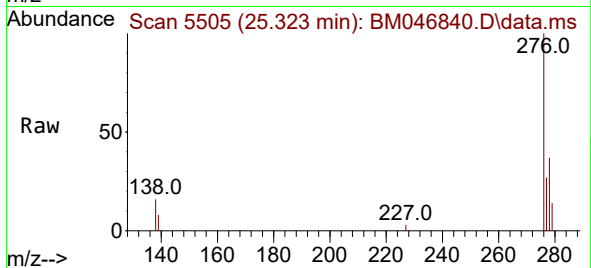
Tgt Ion:278 Resp: 10989

Ion Ratio Lower Upper

278 100

139 21.9 9.8 14.8#

279 37.8 25.2 37.8#



#29

Benzo(g,h,i)perylene

Concen: 0.124 ng/ul

RT: 25.953 min Scan# 5693

Delta R.T. 0.000 min

Lab File: BM046840.D

Acq: 26 Jul 2024 20:58

Tgt Ion:276 Resp: 5087

Ion Ratio Lower Upper

276 100

138 29.5 9.5 14.3#

277 38.2 20.9 31.3#

