

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041084.D
 Acq On : 24 Jul 2023 20:42
 Operator : MA/JU
 Sample : 03534-23MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4737MS

Quant Time: Jul 25 00:30:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 00:13:11 2023
 Response via : Initial Calibration

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

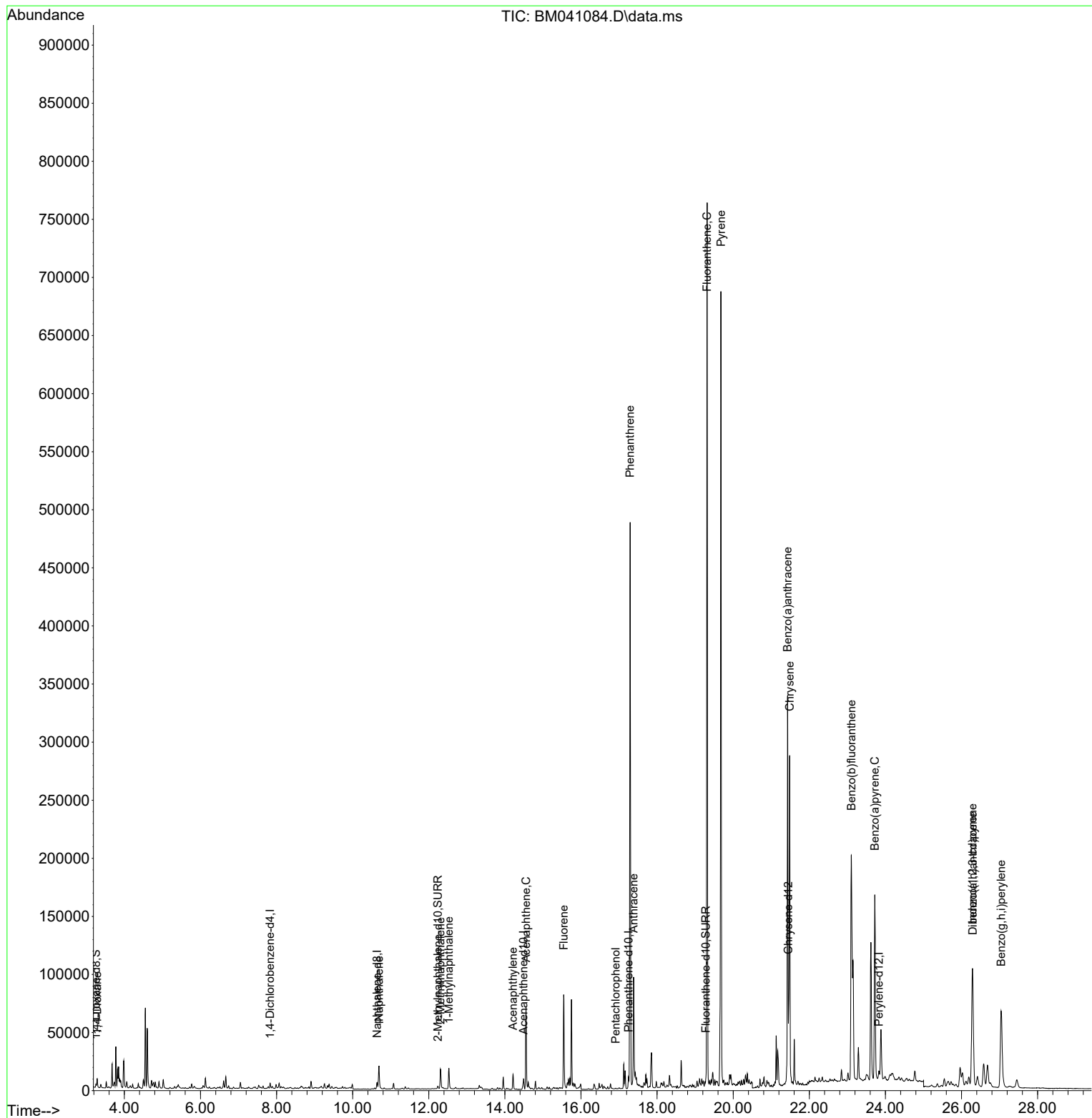
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.832	152	2636	0.400	ng/ul	0.00
4) Naphthalene-d8	10.642	136	8818	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.490	164	4725	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.249	188	13113	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.445	240	8723	0.400	ng/ul	#-0.01
23) Perylene-d12	23.831	264	11453	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.254	96	1699	0.418	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.236	152	3519	0.280	ng/ul	-0.01
18) Fluoranthene-d10	19.283	212	8275	0.349	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.288	88	4674	1.125	ng/ul#	67
5) Naphthalene	10.691	128	30296	1.056	ng/ul	98
7) 2-Methylnaphthalene	12.308	142	14325	1.019	ng/ul	97
8) 1-Methylnaphthalene	12.528	142	12754	0.883	ng/ul	100
10) Acenaphthylene	14.213	152	15899	0.797	ng/ul	98
11) Acenaphthene	14.555	153	40885	2.428	ng/ul	99
12) Fluorene	15.545	166	51934	2.825	ng/ul	100
14) Pentachlorophenol	16.911	266	322	0.084	ng/ul	94
15) Phenanthrene	17.291	178	504094	12.471	ng/ul	98
16) Anthracene	17.384	178	99267	3.033	ng/ul	98
19) Fluoranthene	19.315	202	638388	20.420	ng/ul	96
20) Pyrene	19.678	202	577878	16.764	ng/ul	98
21) Benzo(a)anthracene	21.428	228	279703	9.591	ng/ul	100
22) Chrysene	21.483	228	273069	8.108	ng/ul	98
24) Benzo(b)fluoranthene	23.105	252	345270	7.566	ng/ul	89
26) Benzo(a)pyrene	23.722	252	230169	6.226	ng/ul#	80
27) Indeno(1,2,3-cd)pyrene	26.287	276	172243	3.147	ng/ul	94
28) Dibenzo(a,h)anthracene	26.297	278	50758	1.182	ng/ul	97
29) Benzo(g,h,i)perylene	27.042	276	153226	3.133	ng/ul	96

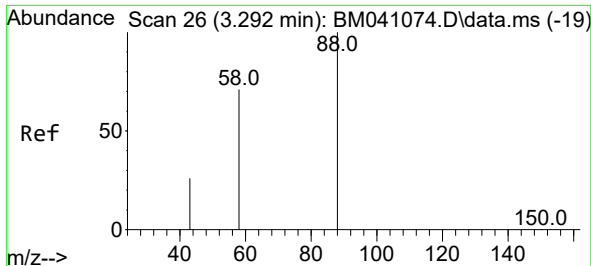
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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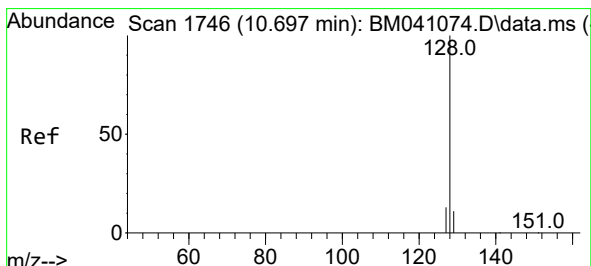
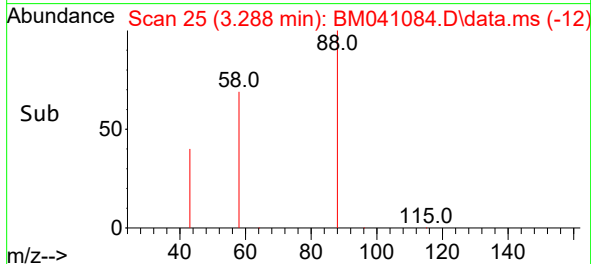
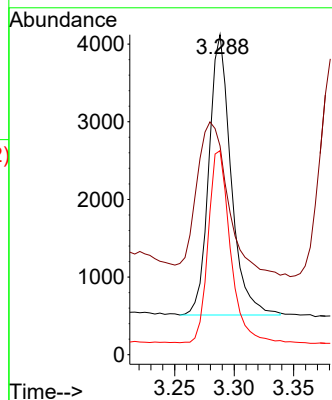
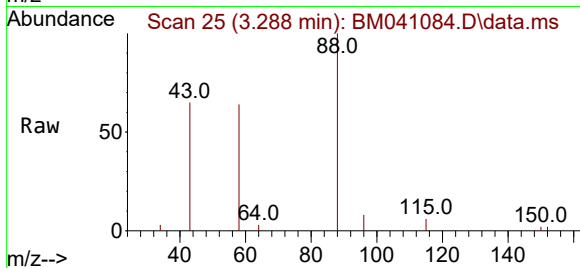




#2
1,4-Dioxane
Concen: 1.125 ng/ul
RT: 3.288 min Scan# 21
Delta R.T. -0.004 min
Lab File: BM041084.D
Acq: 24 Jul 2023 20:42

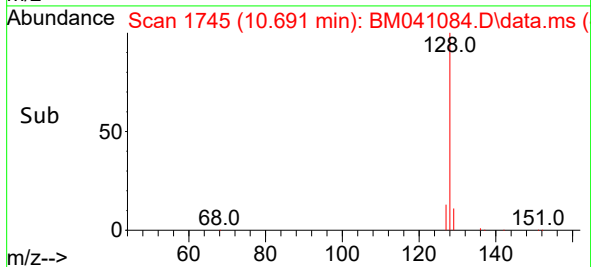
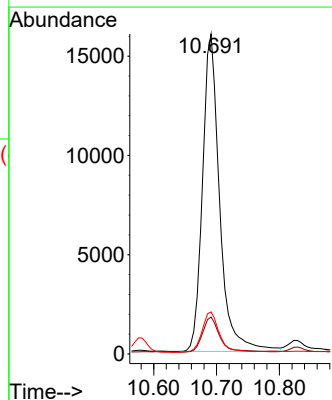
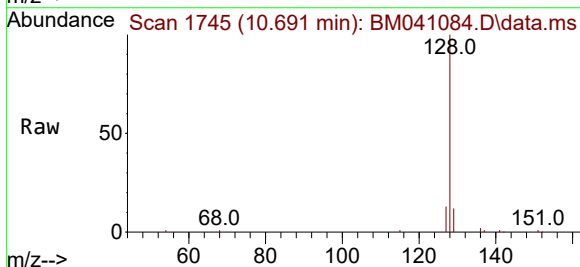
Instrument :
BNA_M
ClientSampleId :
A4737MS

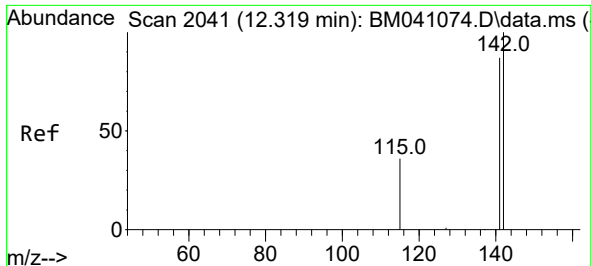
Tgt Ion: 88 Resp: 4674
Ion Ratio Lower Upper
88 100
43 65.2 83.1 124.7#
58 63.8 38.8 58.2#



#5
Naphthalene
Concen: 1.056 ng/ul
RT: 10.691 min Scan# 1745
Delta R.T. -0.005 min
Lab File: BM041084.D
Acq: 24 Jul 2023 20:42

Tgt Ion: 128 Resp: 30296
Ion Ratio Lower Upper
128 100
129 11.5 9.8 14.8
127 13.1 11.1 16.7

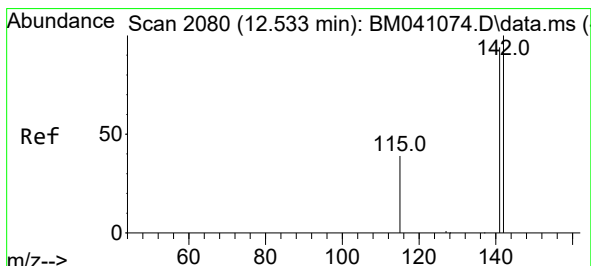
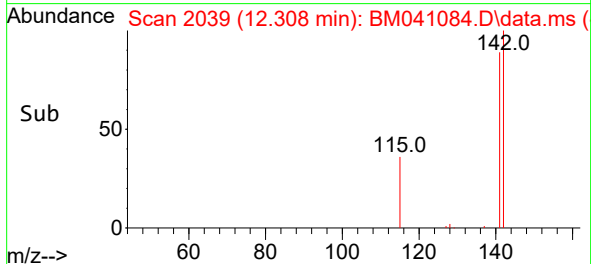
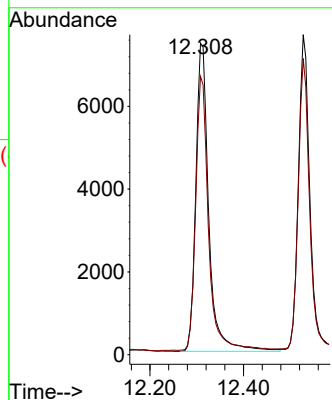
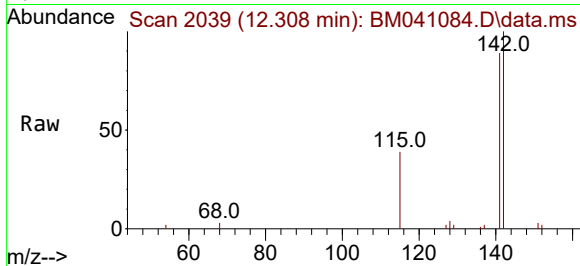




#7
2-Methylnaphthalene
Concen: 1.019 ng/ul
RT: 12.308 min Scan# 2039
Delta R.T. -0.011 min
Lab File: BM041084.D
Acq: 24 Jul 2023 20:42

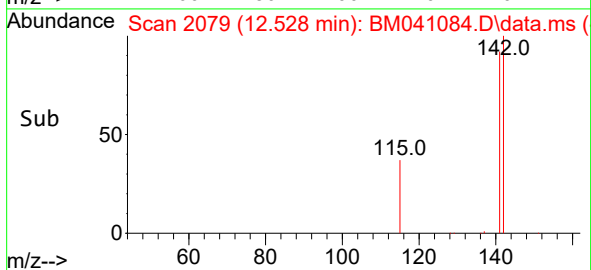
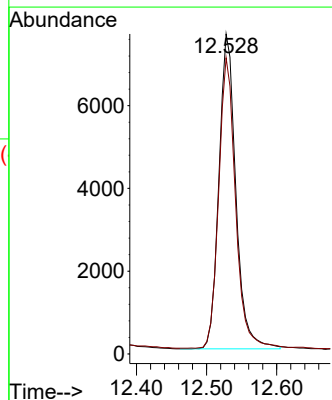
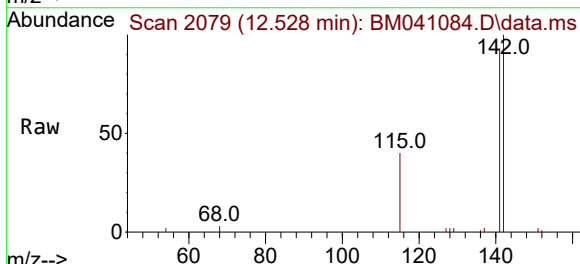
Instrument :
BNA_M
ClientSampleId :
A4737MS

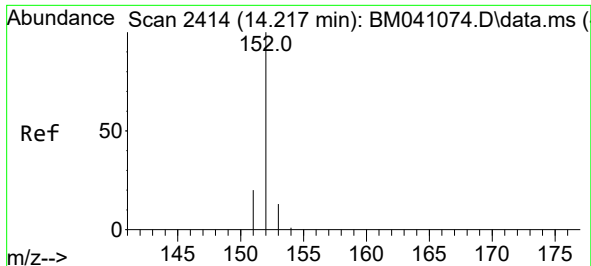
Tgt Ion:142 Resp: 14325
Ion Ratio Lower Upper
142 100
141 88.3 73.3 109.9



#8
1-Methylnaphthalene
Concen: 0.883 ng/ul
RT: 12.528 min Scan# 2079
Delta R.T. -0.005 min
Lab File: BM041084.D
Acq: 24 Jul 2023 20:42

Tgt Ion:142 Resp: 12754
Ion Ratio Lower Upper
142 100
141 91.7 73.6 110.4

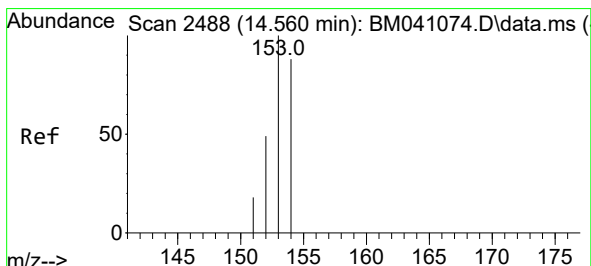
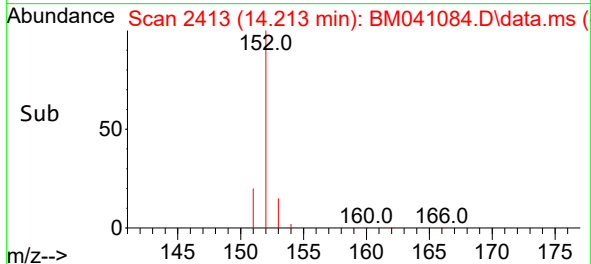
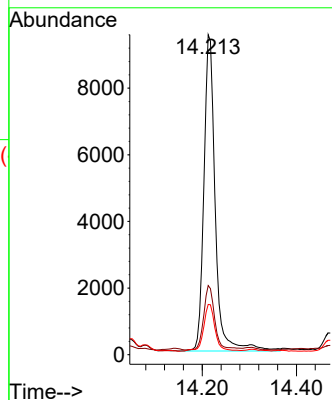
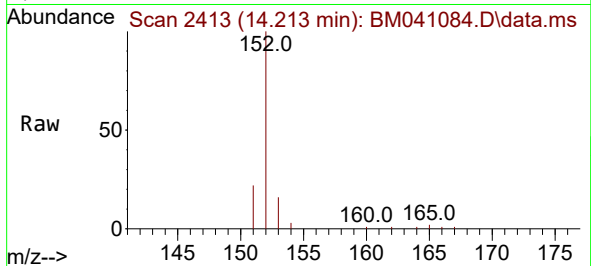




#10
Acenaphthylene
Concen: 0.797 ng/ul
RT: 14.213 min Scan# 2413
Delta R.T. -0.004 min
Lab File: BM041084.D
Acq: 24 Jul 2023 20:42

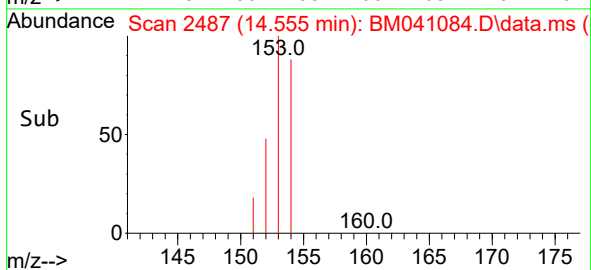
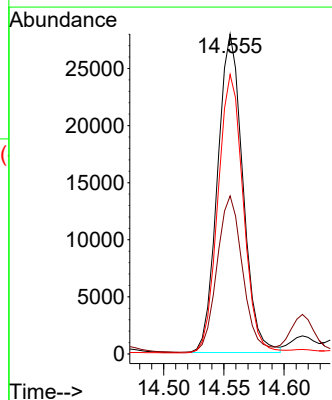
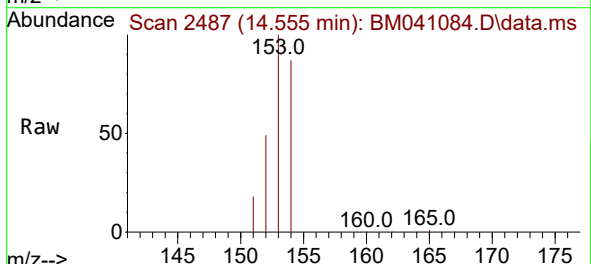
Instrument :
BNA_M
ClientSampleId :
A4737MS

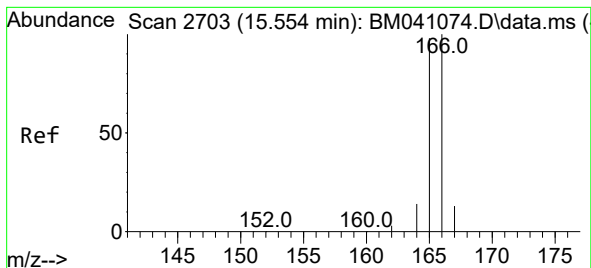
Tgt Ion:152 Resp: 15899
Ion Ratio Lower Upper
152 100
151 21.6 16.8 25.2
153 15.7 11.4 17.2



#11
Acenaphthene
Concen: 2.428 ng/ul
RT: 14.555 min Scan# 2487
Delta R.T. -0.004 min
Lab File: BM041084.D
Acq: 24 Jul 2023 20:42

Tgt Ion:153 Resp: 40885
Ion Ratio Lower Upper
153 100
152 49.4 40.2 60.4
154 87.4 70.3 105.5





#12

Fluorene

Concen: 2.825 ng/ul

RT: 15.545 min Scan# 21

Delta R.T. -0.009 min

Lab File: BM041084.D

Acq: 24 Jul 2023 20:42

Instrument :

BNA_M

ClientSampleId :

A4737MS

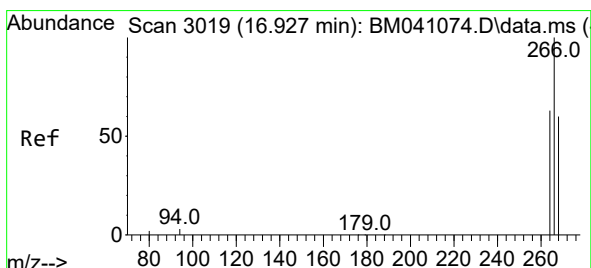
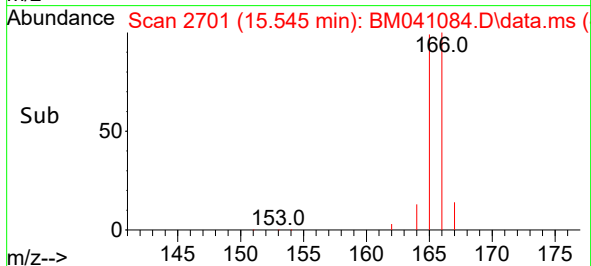
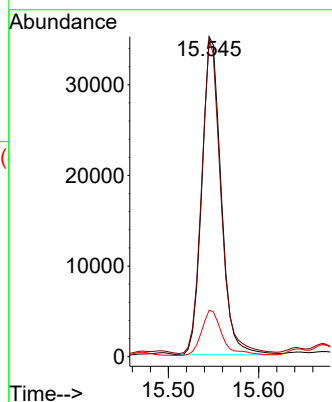
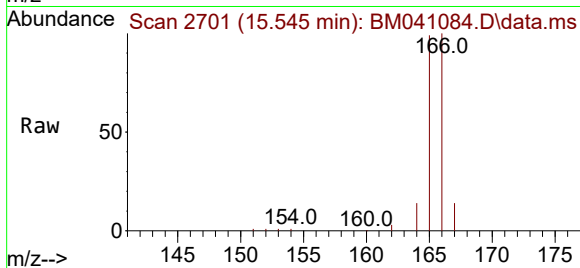
Tgt Ion:166 Resp: 51934

Ion Ratio Lower Upper

166 100

165 99.3 79.4 119.0

167 14.5 11.4 17.2



#14

Pentachlorophenol

Concen: 0.084 ng/ul

RT: 16.911 min Scan# 3015

Delta R.T. -0.017 min

Lab File: BM041084.D

Acq: 24 Jul 2023 20:42

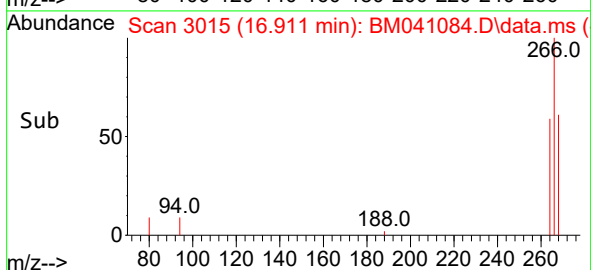
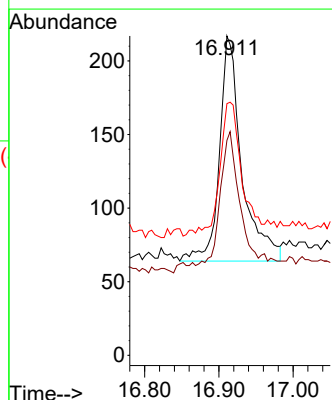
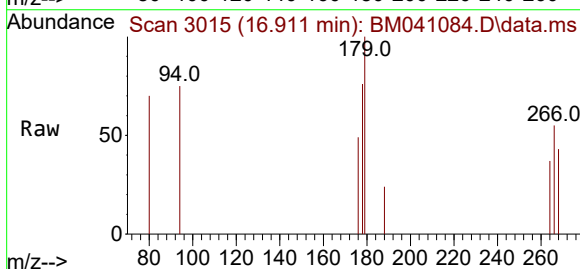
Tgt Ion:266 Resp: 322

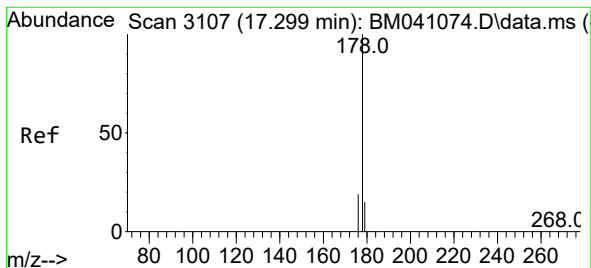
Ion Ratio Lower Upper

266 100

264 55.6 49.2 73.8

268 58.7 49.9 74.9





#15

Phenanthrene

Concen: 12.471 ng/ul

RT: 17.291 min Scan# 3105

Delta R.T. -0.008 min

Lab File: BM041084.D

Acq: 24 Jul 2023 20:42

Instrument :

BNA_M

ClientSampleId :

A4737MS

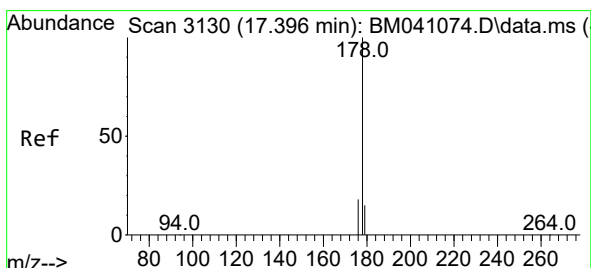
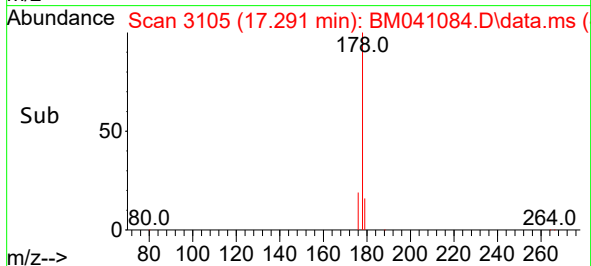
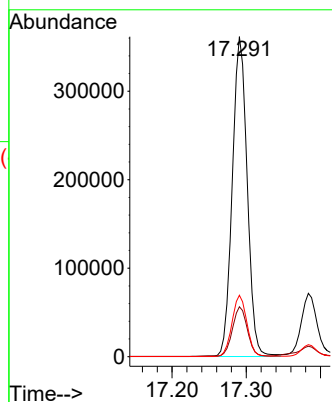
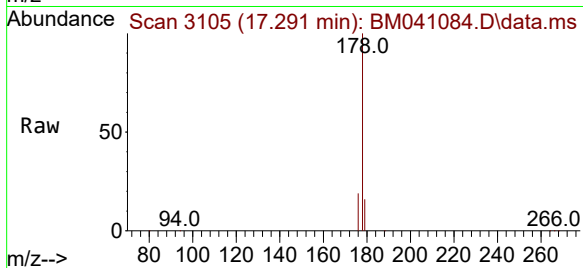
Tgt Ion:178 Resp: 504094

Ion Ratio Lower Upper

178 100

179 15.6 13.4 20.2

176 19.2 16.0 24.0



#16

Anthracene

Concen: 3.033 ng/ul

RT: 17.384 min Scan# 3127

Delta R.T. -0.012 min

Lab File: BM041084.D

Acq: 24 Jul 2023 20:42

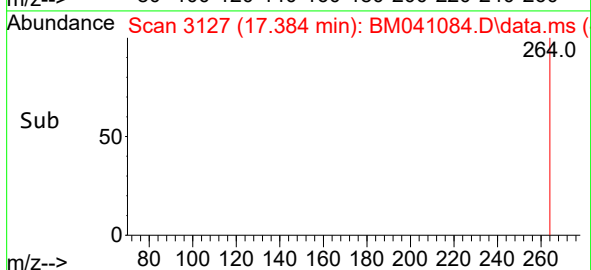
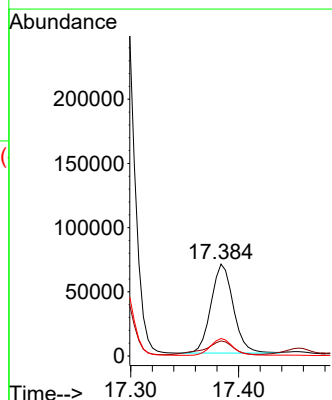
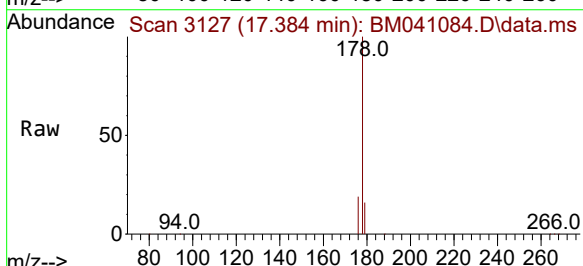
Tgt Ion:178 Resp: 99267

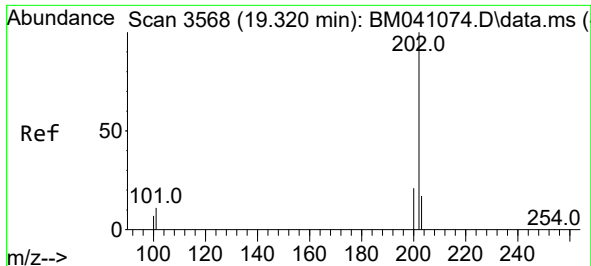
Ion Ratio Lower Upper

178 100

179 16.3 13.6 20.4

176 19.0 16.0 24.0

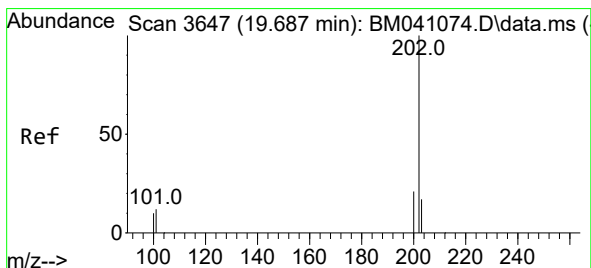
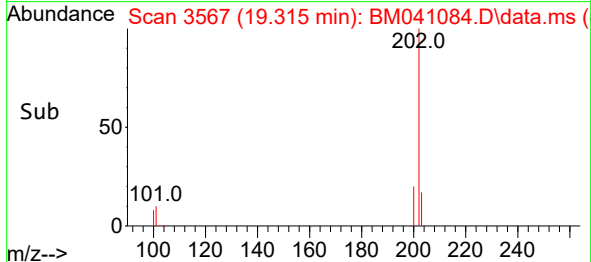
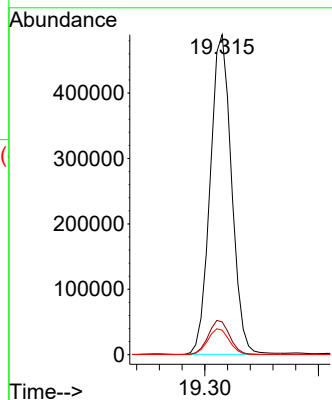
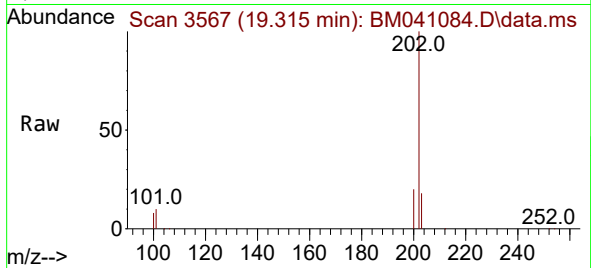




#19
Fluoranthene
Concen: 20.420 ng/ul
RT: 19.315 min Scan# 3567
Delta R.T. -0.004 min
Lab File: BM041084.D
Acq: 24 Jul 2023 20:42

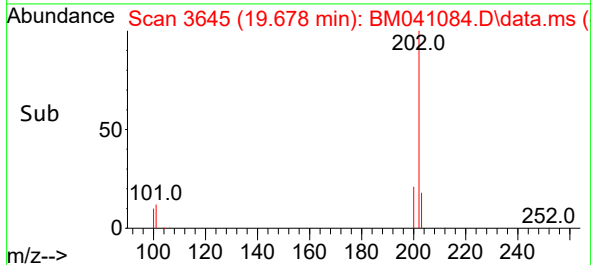
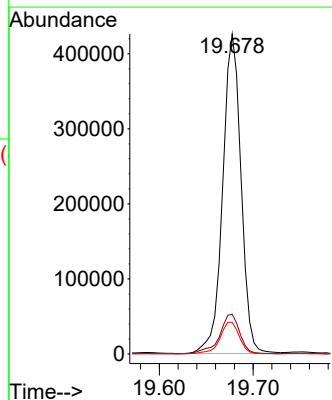
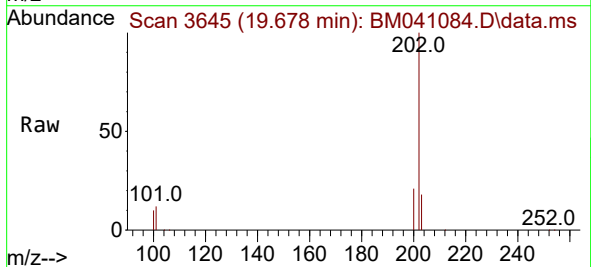
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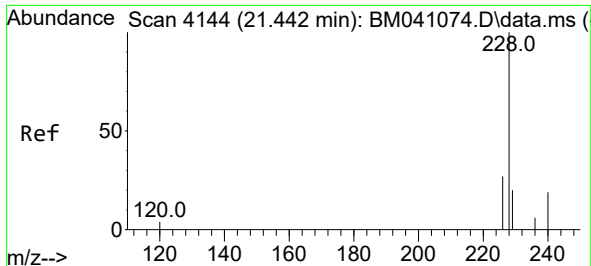
Tgt Ion:202 Resp: 638388
Ion Ratio Lower Upper
202 100
101 10.2 9.4 14.0
100 7.7 7.1 10.7



#20
Pyrene
Concen: 16.764 ng/ul
RT: 19.678 min Scan# 3645
Delta R.T. -0.009 min
Lab File: BM041084.D
Acq: 24 Jul 2023 20:42

Tgt Ion:202 Resp: 577878
Ion Ratio Lower Upper
202 100
101 12.4 10.7 16.1
100 9.9 8.5 12.7

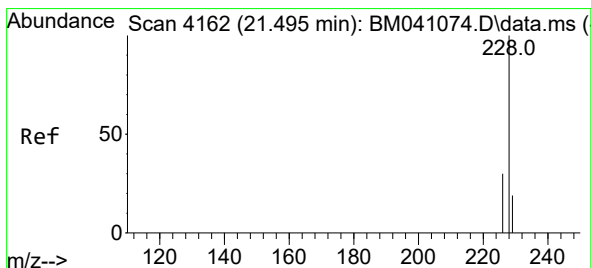
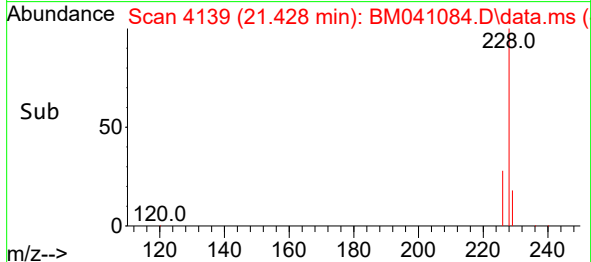
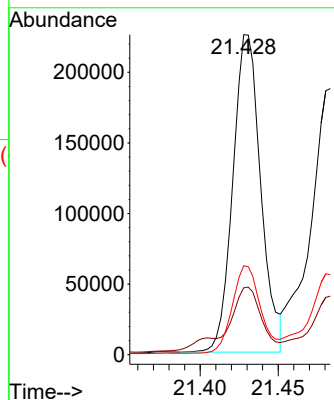
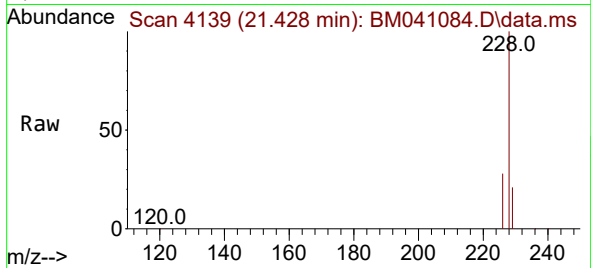




#21
Benzo(a)anthracene
Concen: 9.591 ng/ul
RT: 21.428 min Scan# 4119
Delta R.T. -0.014 min
Lab File: BM041084.D
Acq: 24 Jul 2023 20:42

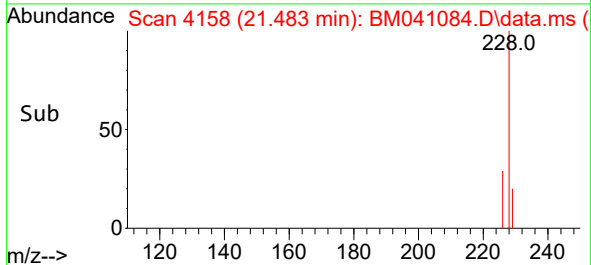
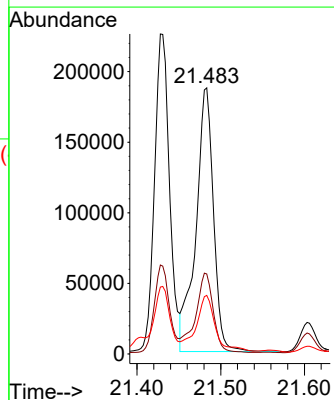
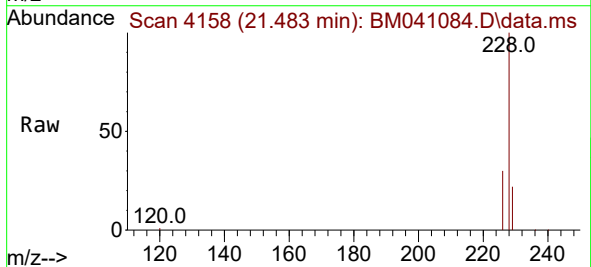
Instrument :
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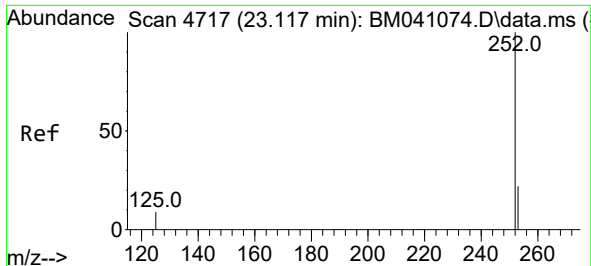
Tgt Ion:228 Resp: 279703
Ion Ratio Lower Upper
228 100
229 20.9 16.5 24.7
226 27.8 22.2 33.2



#22
Chrysene
Concen: 8.108 ng/ul
RT: 21.483 min Scan# 4158
Delta R.T. -0.012 min
Lab File: BM041084.D
Acq: 24 Jul 2023 20:42

Tgt Ion:228 Resp: 273069
Ion Ratio Lower Upper
228 100
226 30.0 24.2 36.4
229 22.0 15.9 23.9

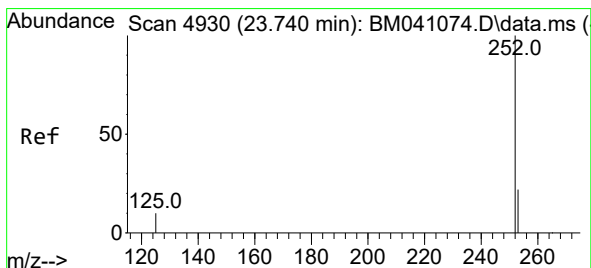
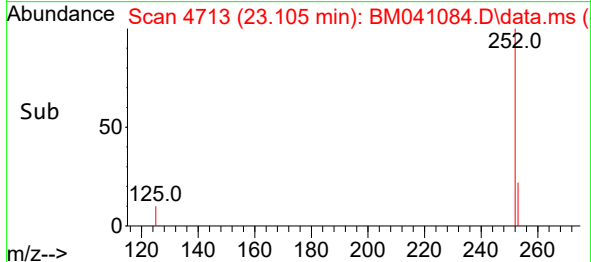
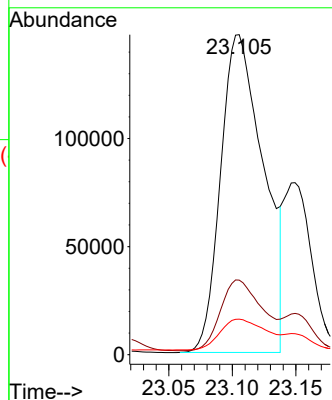
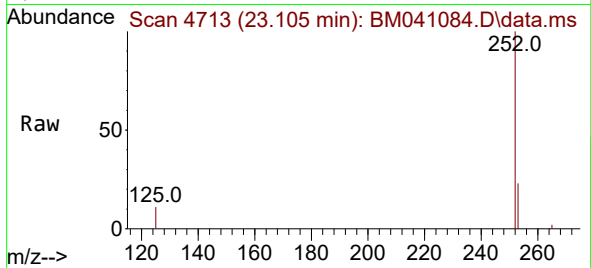




#24
Benzo(b)fluoranthene
Concen: 7.566 ng/ul
RT: 23.105 min Scan# 41
Delta R.T. -0.012 min
Lab File: BM041084.D
Acq: 24 Jul 2023 20:42

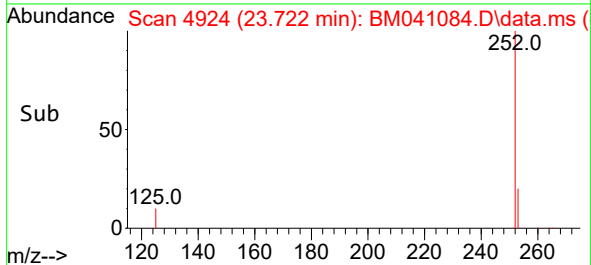
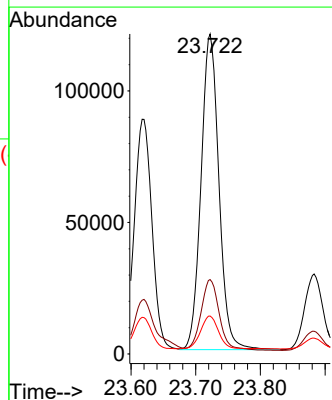
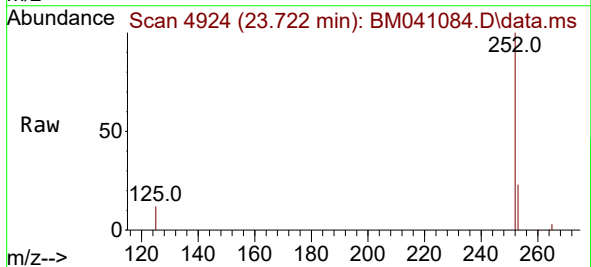
Instrument :
BNA_M
ClientSampleId :
A4737MS

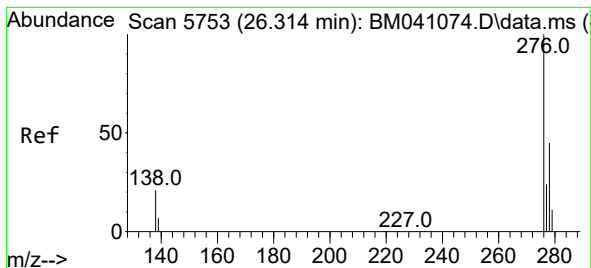
Tgt Ion:252 Resp: 345270
Ion Ratio Lower Upper
252 100
253 23.3 0.0 57.6
125 11.1 0.0 33.6



#26
Benzo(a)pyrene
Concen: 6.226 ng/ul
RT: 23.722 min Scan# 4924
Delta R.T. -0.017 min
Lab File: BM041084.D
Acq: 24 Jul 2023 20:42

Tgt Ion:252 Resp: 230169
Ion Ratio Lower Upper
252 100
253 23.3 26.7 40.1#
125 11.8 18.1 27.1#





#27

Indeno(1,2,3-cd)pyrene

Concen: 3.147 ng/ul

RT: 26.287 min Scan# 51

Delta R.T. -0.027 min

Lab File: BM041084.D

Acq: 24 Jul 2023 20:42

Instrument :

BNA_M

ClientSampleId :

A4737MS

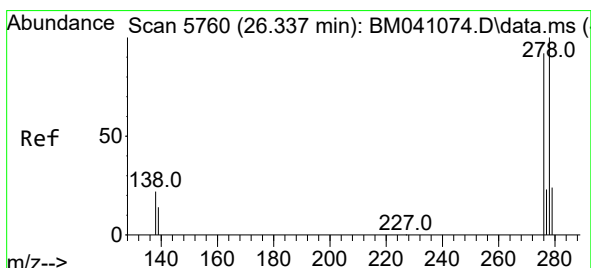
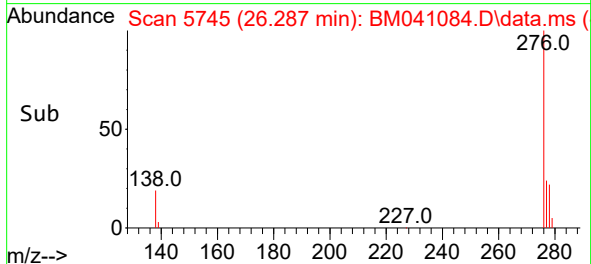
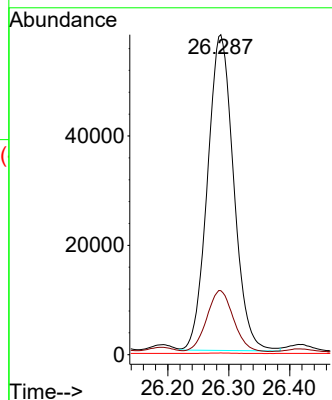
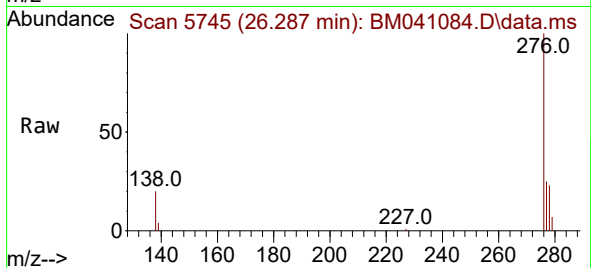
Tgt Ion:276 Resp: 172243

Ion Ratio Lower Upper

276 100

138 19.6 18.1 27.1

227 0.2 0.2 0.2



#28

Dibenzo(a,h)anthracene

Concen: 1.182 ng/ul

RT: 26.297 min Scan# 5748

Delta R.T. -0.040 min

Lab File: BM041084.D

Acq: 24 Jul 2023 20:42

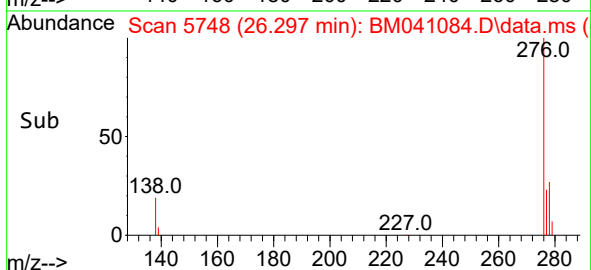
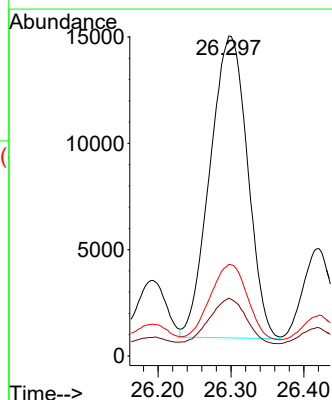
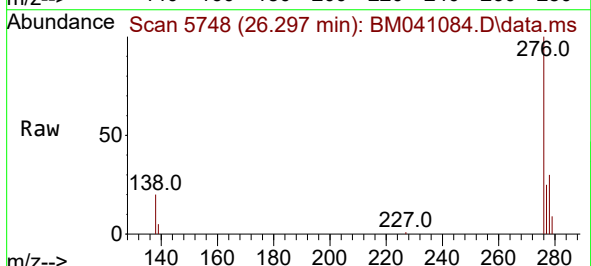
Tgt Ion:278 Resp: 50758

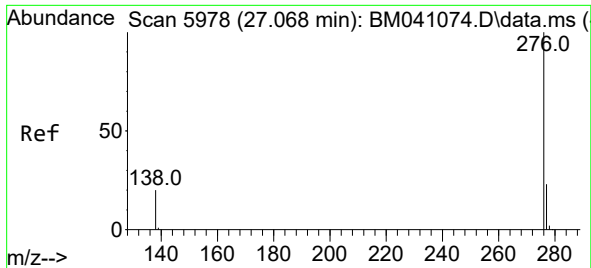
Ion Ratio Lower Upper

278 100

139 18.0 14.1 21.1

279 28.6 25.0 37.4





#29

Benzo(g,h,i)perylene

Concen: 3.133 ng/ul

RT: 27.042 min Scan# 51

Delta R.T. -0.027 min

Lab File: BM041084.D

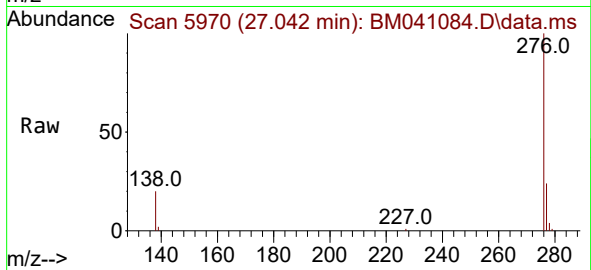
Acq: 24 Jul 2023 20:42

Instrument :

BNA_M

ClientSampleId :

A4737MS



Tgt Ion:276 Resp: 153226

Ion Ratio Lower Upper

276 100

138 20.1 18.2 27.2

277 24.2 20.6 30.8

