

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041085.D
 Acq On : 24 Jul 2023 21:20
 Operator : MA/JU
 Sample : 03534-24MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4737MSD

Quant Time: Jul 25 00:30:58 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)

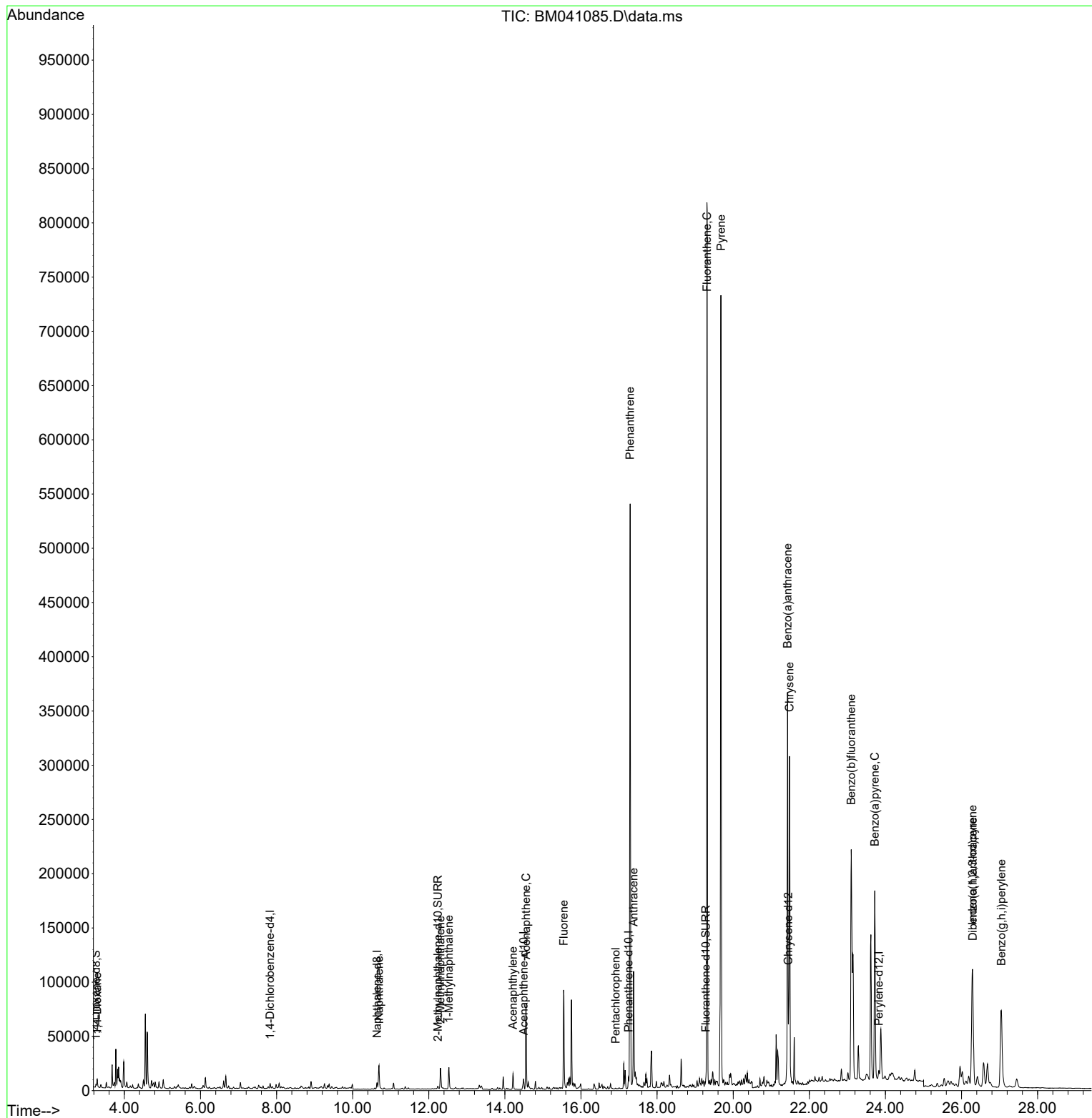
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.832	152	2729	0.400	ng/ul	0.00
4) Naphthalene-d8	10.642	136	9033	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.495	164	5042	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.248	188	14089	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.445	240	9058	0.400	ng/ul	#-0.01
23) Perylene-d12	23.827	264	12309	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.254	96	1689	0.401	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.236	152	3924	0.304	ng/ul	-0.01
18) Fluoranthene-d10	19.283	212	9002	0.365	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.288	88	4880	1.134	ng/ul#	68
5) Naphthalene	10.691	128	32761	1.114	ng/ul	98
7) 2-Methylnaphthalene	12.308	142	15583	1.082	ng/ul	96
8) 1-Methylnaphthalene	12.528	142	13853	0.937	ng/ul	100
10) Acenaphthylene	14.213	152	17734	0.833	ng/ul	98
11) Acenaphthene	14.555	153	44893	2.498	ng/ul	99
12) Fluorene	15.545	166	57039	2.908	ng/ul	99
14) Pentachlorophenol	16.911	266	314	0.077	ng/ul	95
15) Phenanthrene	17.291	178	547728	12.612	ng/ul	98
16) Anthracene	17.384	178	109784	3.122	ng/ul	98
19) Fluoranthene	19.315	202	687004	21.162	ng/ul	96
20) Pyrene	19.678	202	622667	17.395	ng/ul	97
21) Benzo(a)anthracene	21.428	228	304223	10.046	ng/ul	100
22) Chrysene	21.480	228	292704	8.369	ng/ul	98
24) Benzo(b)fluoranthene	23.102	252	365564	7.454	ng/ul	89
26) Benzo(a)pyrene	23.719	252	252274	6.350	ng/ul#	81
27) Indeno(1,2,3-cd)pyrene	26.287	276	186169	3.165	ng/ul	94
28) Dibenzo(a,h)anthracene	26.297	278	55050	1.193	ng/ul	97
29) Benzo(g,h,i)perylene	27.045	276	165196	3.143	ng/ul	96

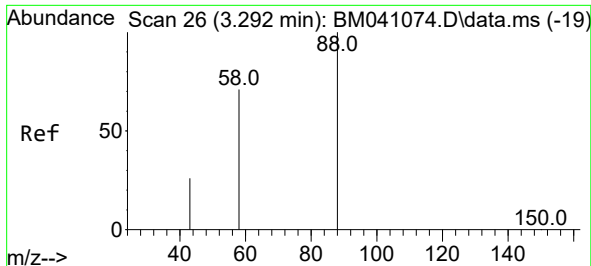
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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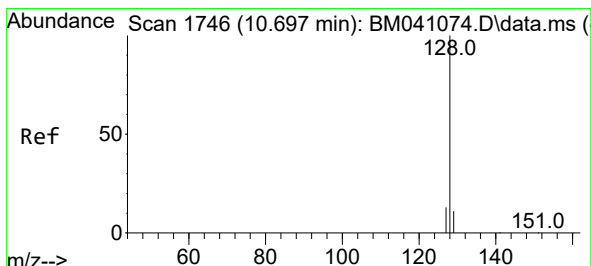
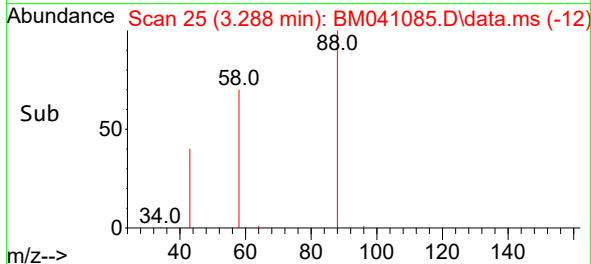
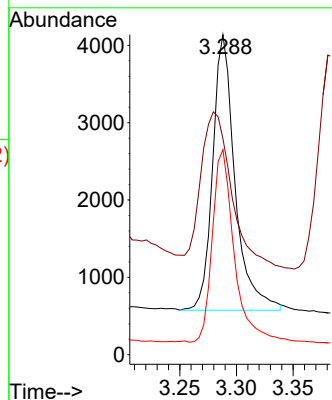
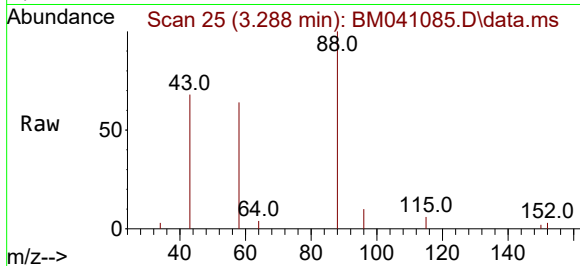




#2
1,4-Dioxane
Concen: 1.134 ng/ul
RT: 3.288 min Scan# 21
Delta R.T. -0.004 min
Lab File: BM041085.D
Acq: 24 Jul 2023 21:20

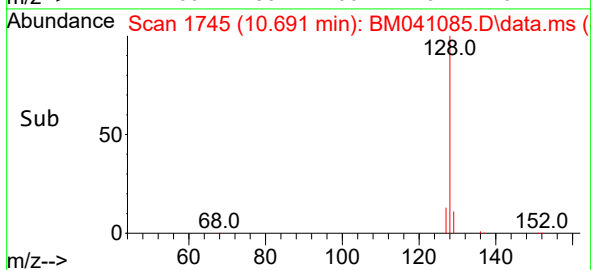
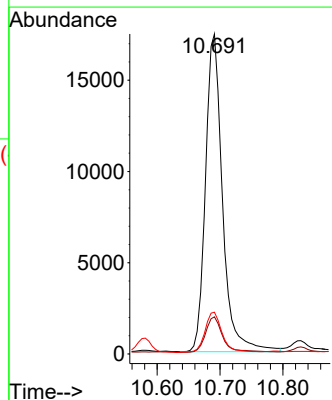
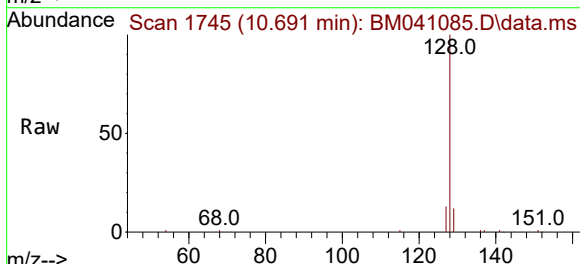
Instrument :
BNA_M
ClientSampleId :
A4737MSD

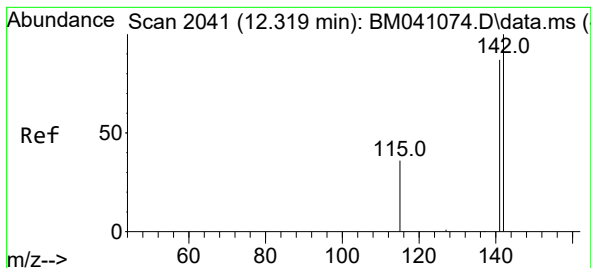
Tgt Ion: 88 Resp: 4880
Ion Ratio Lower Upper
88 100
43 67.6 83.1 124.7#
58 64.1 38.8 58.2#



#5
Naphthalene
Concen: 1.114 ng/ul
RT: 10.691 min Scan# 1745
Delta R.T. -0.005 min
Lab File: BM041085.D
Acq: 24 Jul 2023 21:20

Tgt Ion: 128 Resp: 32761
Ion Ratio Lower Upper
128 100
129 11.6 9.8 14.8
127 13.1 11.1 16.7





#7

2-Methylnaphthalene

Concen: 1.082 ng/ul

RT: 12.308 min Scan# 2039

Delta R.T. -0.011 min

Lab File: BM041085.D

Acq: 24 Jul 2023 21:20

Instrument :

BNA_M

ClientSampleId :

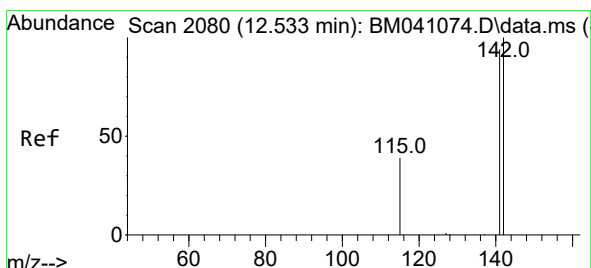
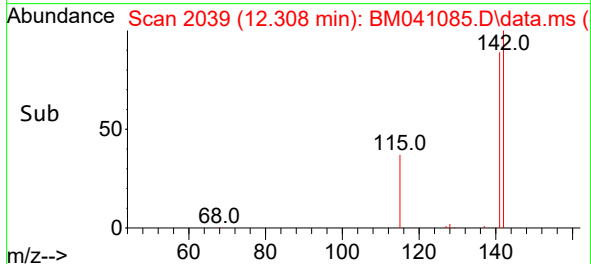
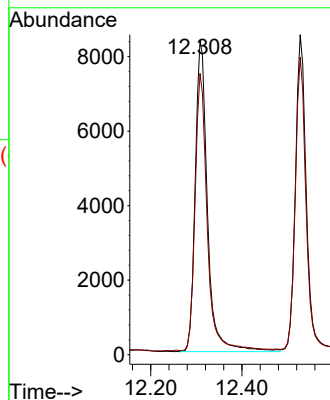
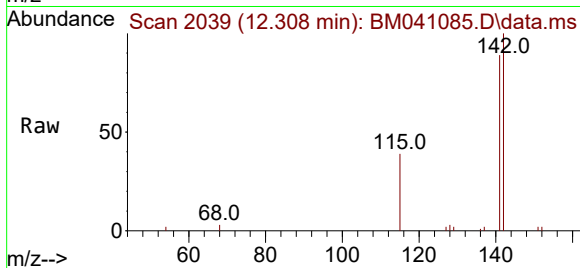
A4737MSD

Tgt Ion:142 Resp: 15583

Ion Ratio Lower Upper

142 100

141 87.8 73.3 109.9



#8

1-Methylnaphthalene

Concen: 0.937 ng/ul

RT: 12.528 min Scan# 2079

Delta R.T. -0.005 min

Lab File: BM041085.D

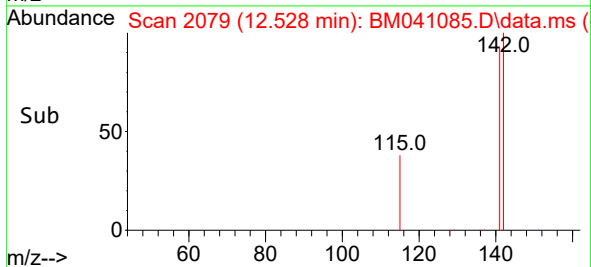
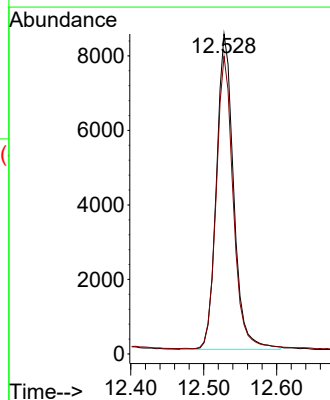
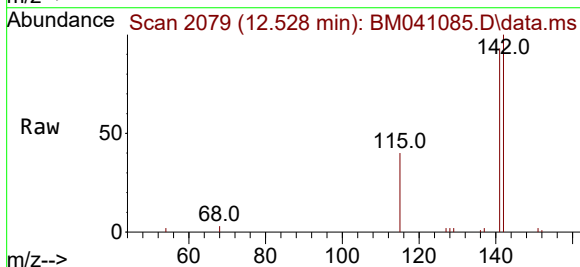
Acq: 24 Jul 2023 21:20

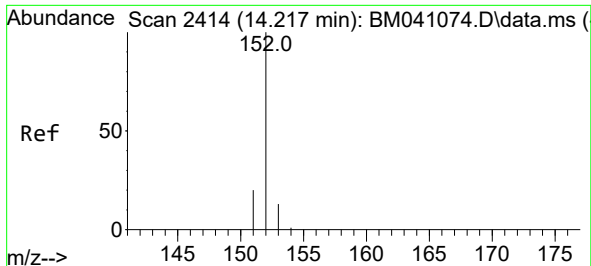
Tgt Ion:142 Resp: 13853

Ion Ratio Lower Upper

142 100

141 91.7 73.6 110.4

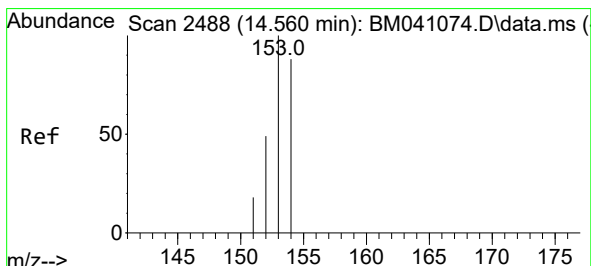
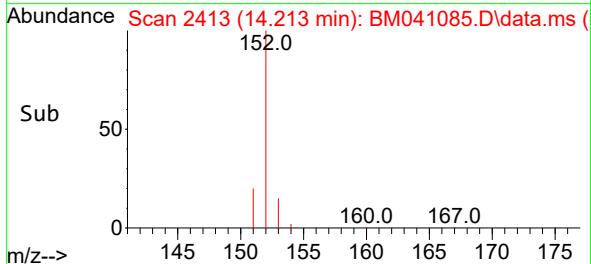
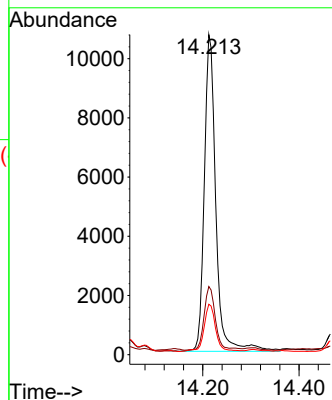
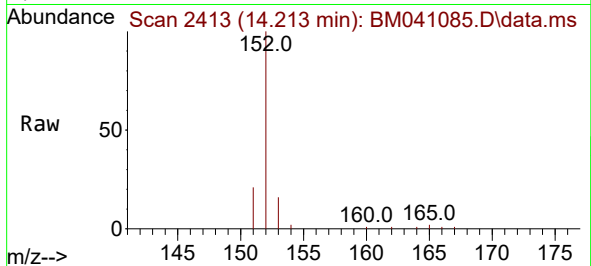




#10
Acenaphthylene
Concen: 0.833 ng/ul
RT: 14.213 min Scan# 2413
Delta R.T. -0.005 min
Lab File: BM041085.D
Acq: 24 Jul 2023 21:20

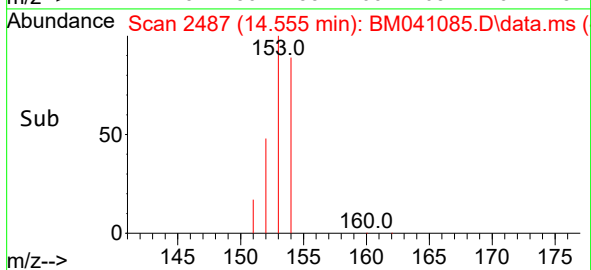
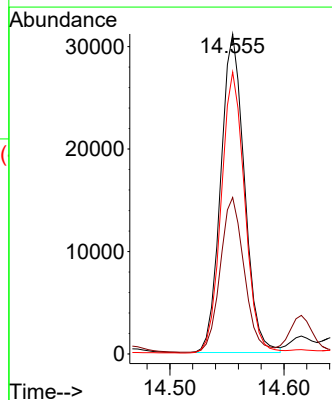
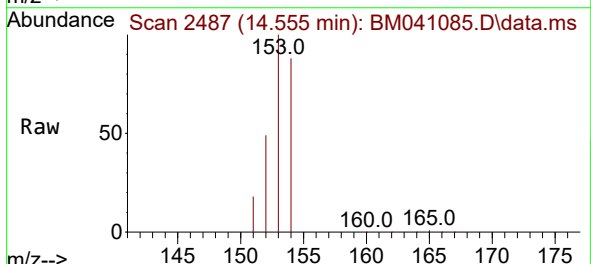
Instrument :
BNA_M
ClientSampleId :
A4737MSD

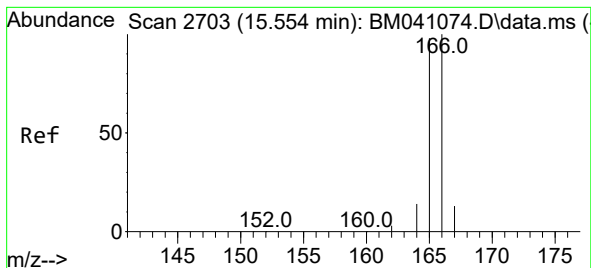
Tgt Ion:152 Resp: 17734
Ion Ratio Lower Upper
152 100
151 21.3 16.8 25.2
153 15.8 11.4 17.2



#11
Acenaphthene
Concen: 2.498 ng/ul
RT: 14.555 min Scan# 2487
Delta R.T. -0.005 min
Lab File: BM041085.D
Acq: 24 Jul 2023 21:20

Tgt Ion:153 Resp: 44893
Ion Ratio Lower Upper
153 100
152 48.9 40.2 60.4
154 88.1 70.3 105.5





#12

Fluorene

Concen: 2.908 ng/ul

RT: 15.545 min Scan# 21

Delta R.T. -0.009 min

Lab File: BM041085.D

Acq: 24 Jul 2023 21:20

Instrument :

BNA_M

ClientSampleId :

A4737MSD

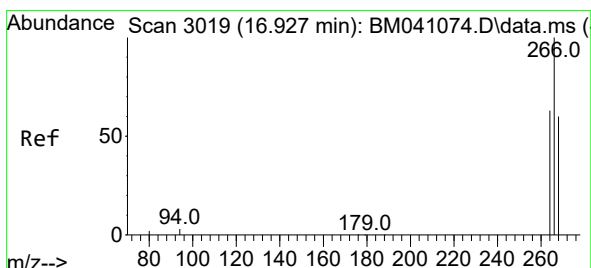
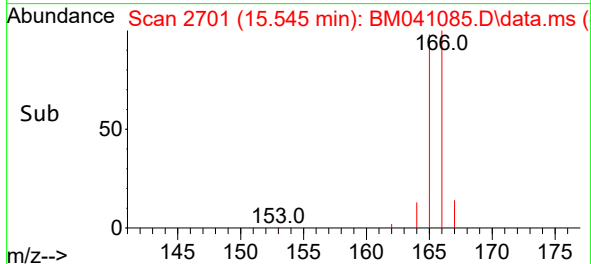
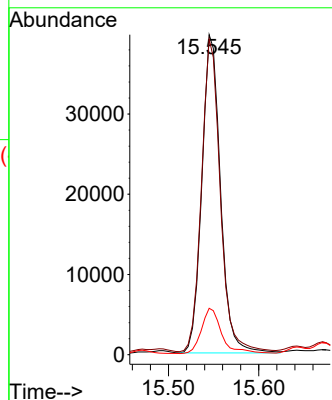
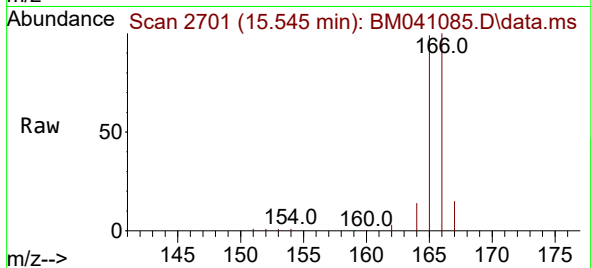
Tgt Ion:166 Resp: 57039

Ion Ratio Lower Upper

166 100

165 98.7 79.4 119.0

167 14.5 11.4 17.2



#14

Pentachlorophenol

Concen: 0.077 ng/ul

RT: 16.911 min Scan# 3015

Delta R.T. -0.017 min

Lab File: BM041085.D

Acq: 24 Jul 2023 21:20

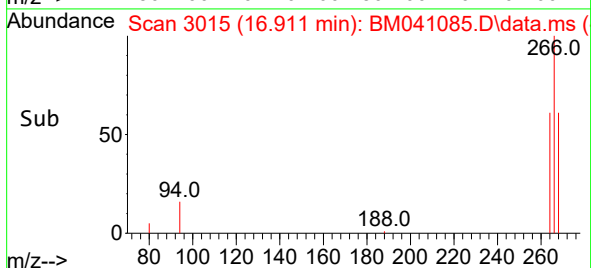
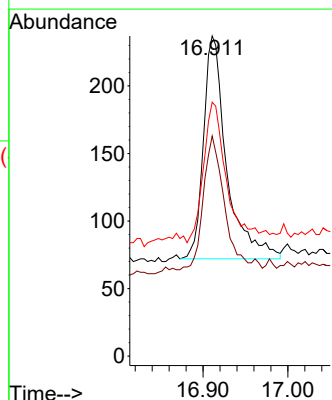
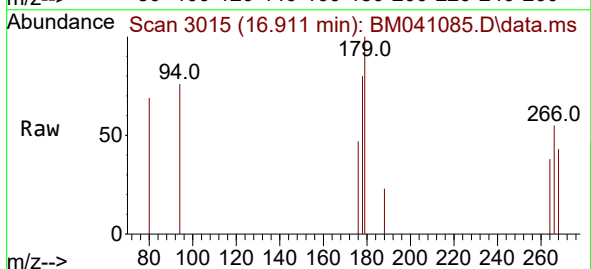
Tgt Ion:266 Resp: 314

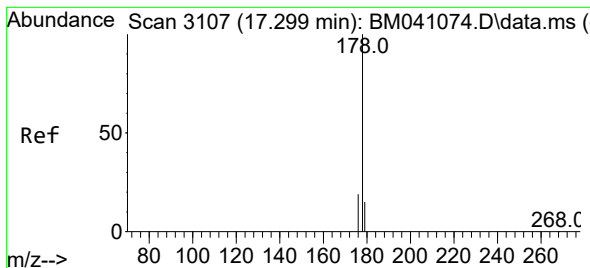
Ion Ratio Lower Upper

266 100

264 56.7 49.2 73.8

268 65.6 49.9 74.9





#15

Phenanthrene

Concen: 12.612 ng/ul

RT: 17.291 min Scan# 3105

Delta R.T. -0.008 min

Lab File: BM041085.D

Acq: 24 Jul 2023 21:20

Instrument :

BNA_M

ClientSampleId :

A4737MSD

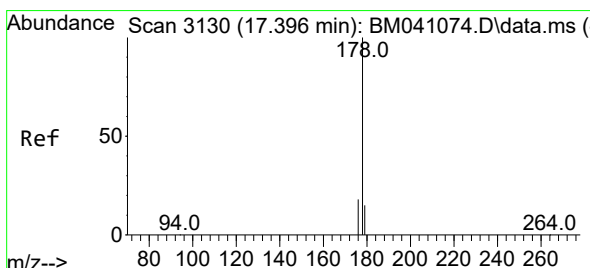
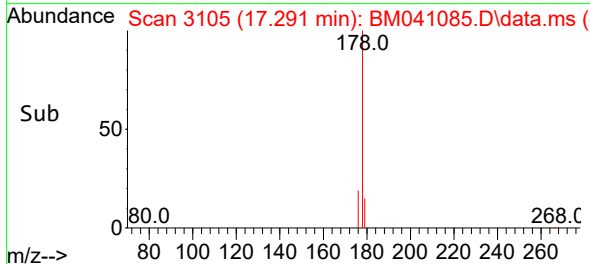
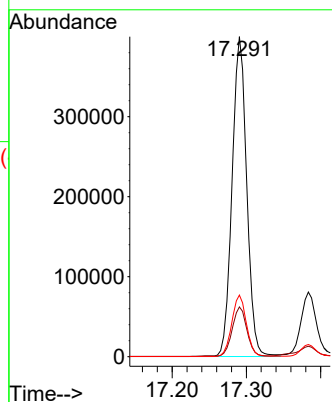
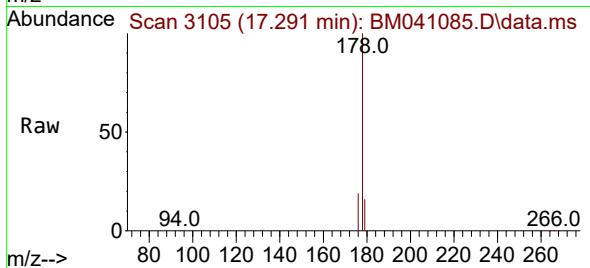
Tgt Ion:178 Resp: 547728

Ion Ratio Lower Upper

178 100

179 15.6 13.4 20.2

176 19.3 16.0 24.0



#16

Anthracene

Concen: 3.122 ng/ul

RT: 17.384 min Scan# 3127

Delta R.T. -0.013 min

Lab File: BM041085.D

Acq: 24 Jul 2023 21:20

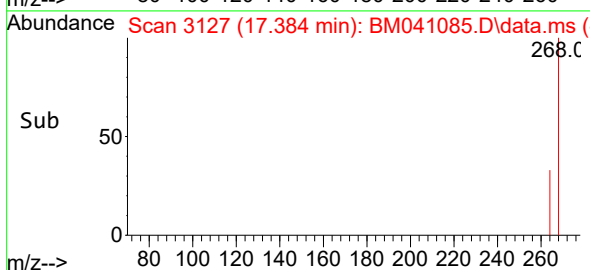
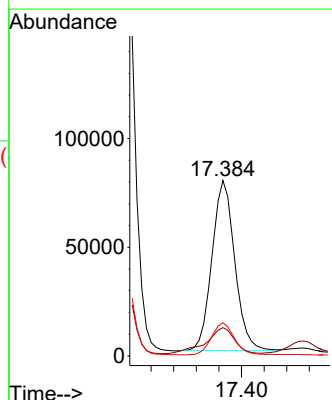
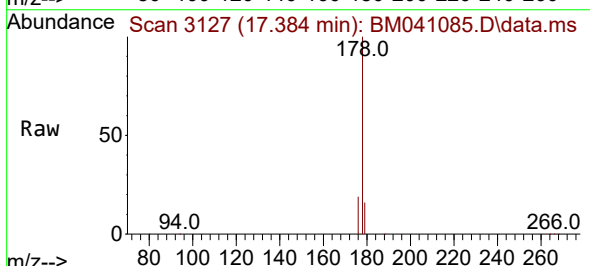
Tgt Ion:178 Resp: 109784

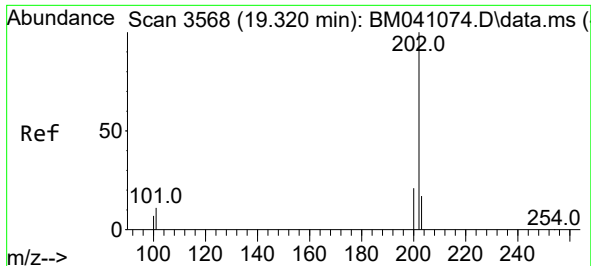
Ion Ratio Lower Upper

178 100

179 16.2 13.6 20.4

176 18.9 16.0 24.0

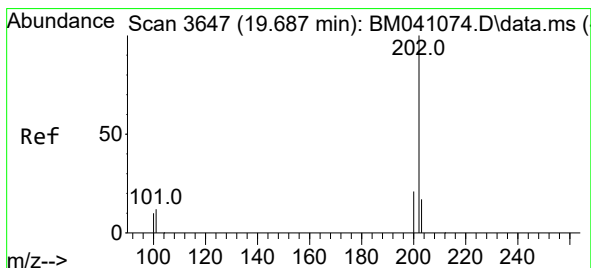
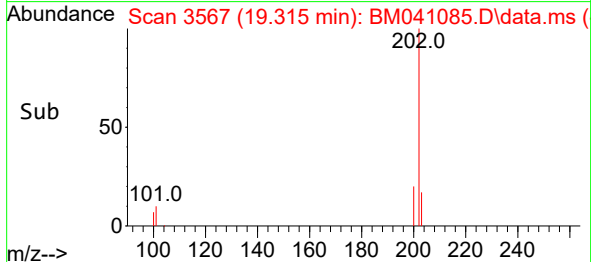
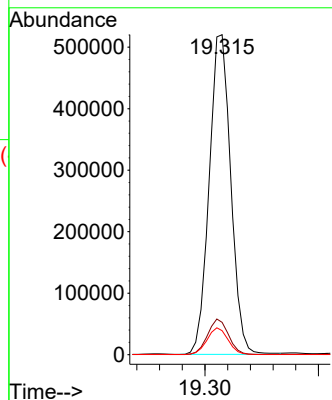
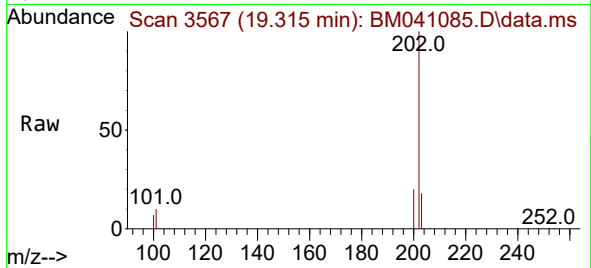




#19
Fluoranthene
Concen: 21.162 ng/ul
RT: 19.315 min Scan# 3567
Delta R.T. -0.005 min
Lab File: BM041085.D
Acq: 24 Jul 2023 21:20

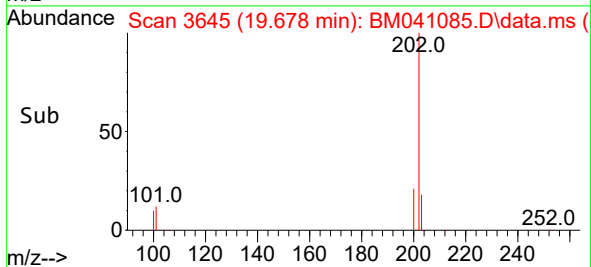
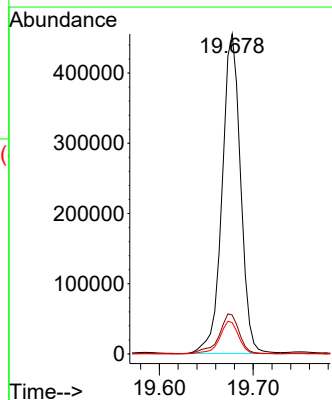
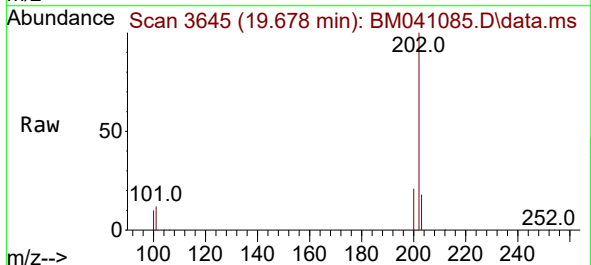
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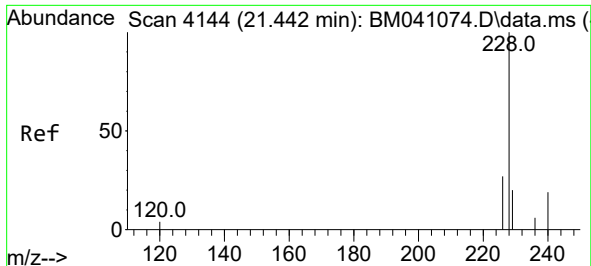
Tgt Ion:202 Resp: 687004
Ion Ratio Lower Upper
202 100
101 10.1 9.4 14.0
100 7.5 7.1 10.7



#20
Pyrene
Concen: 17.395 ng/ul
RT: 19.678 min Scan# 3645
Delta R.T. -0.009 min
Lab File: BM041085.D
Acq: 24 Jul 2023 21:20

Tgt Ion:202 Resp: 622667
Ion Ratio Lower Upper
202 100
101 12.2 10.7 16.1
100 9.8 8.5 12.7

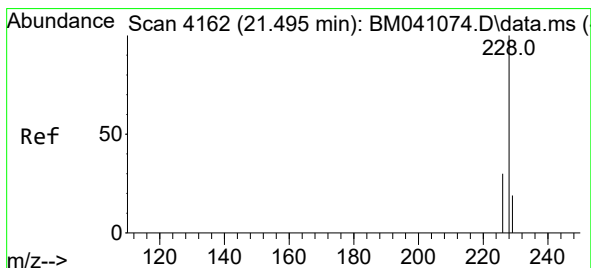
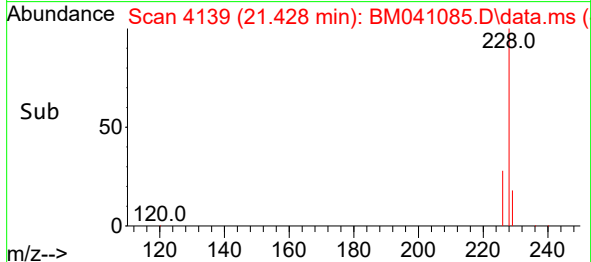
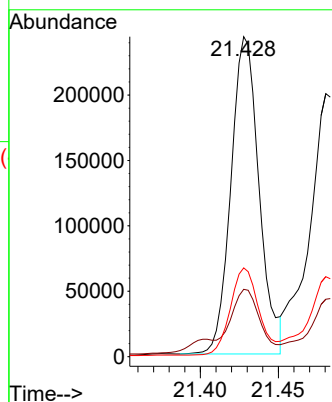
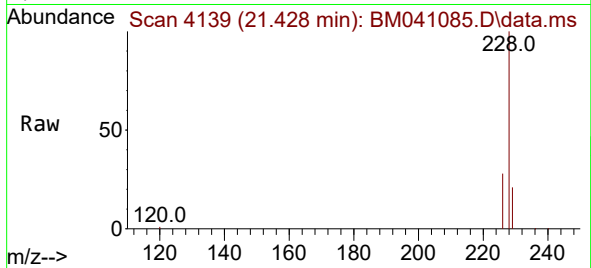




#21
Benzo(a)anthracene
Concen: 10.046 ng/ul
RT: 21.428 min Scan# 4113
Delta R.T. -0.015 min
Lab File: BM041085.D
Acq: 24 Jul 2023 21:20

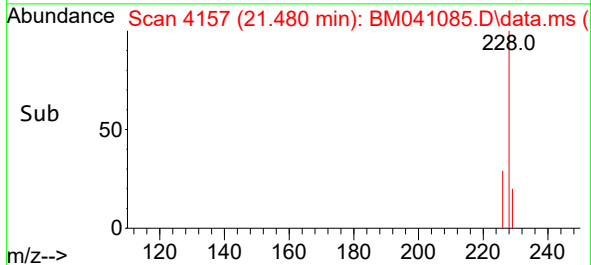
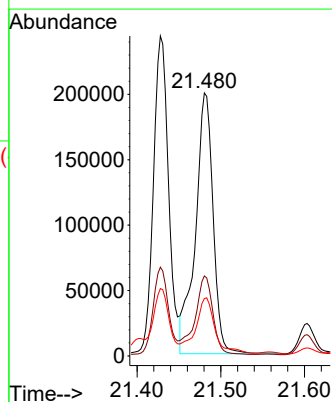
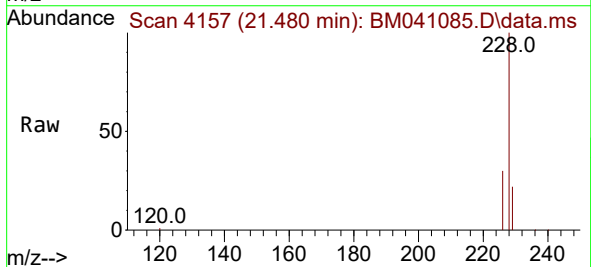
Instrument :
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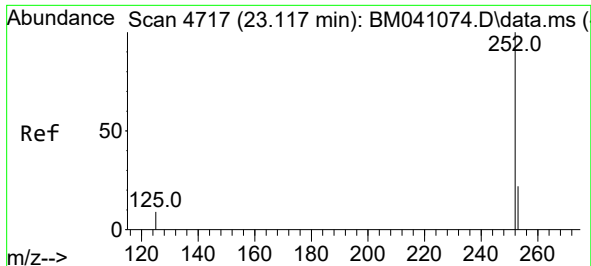
Tgt Ion:228 Resp: 304223
Ion Ratio Lower Upper
228 100
229 21.1 16.5 24.7
226 27.7 22.2 33.2



#22
Chrysene
Concen: 8.369 ng/ul
RT: 21.480 min Scan# 4157
Delta R.T. -0.015 min
Lab File: BM041085.D
Acq: 24 Jul 2023 21:20

Tgt Ion:228 Resp: 292704
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.4
229 21.9 15.9 23.9

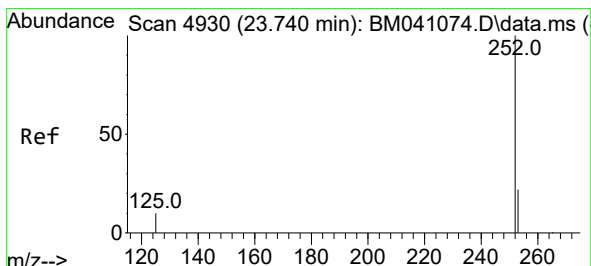
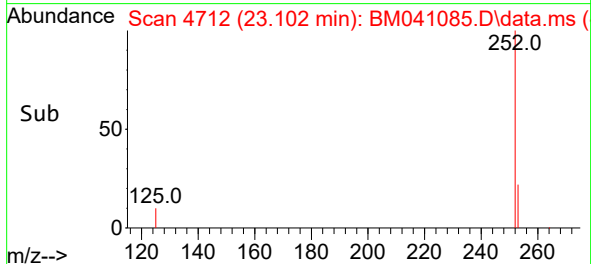
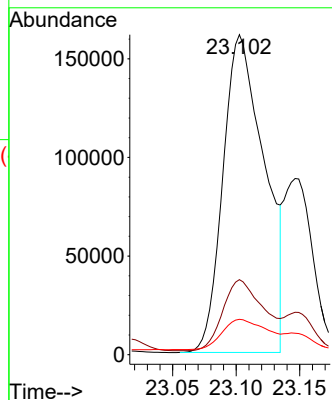
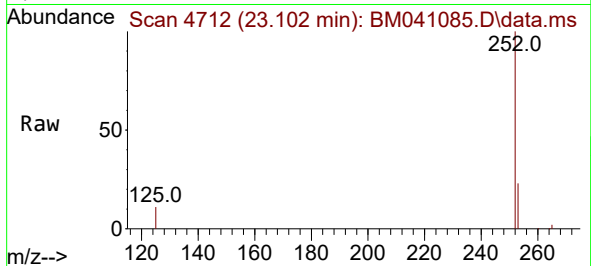




#24
Benzo(b)fluoranthene
Concen: 7.454 ng/ul
RT: 23.102 min Scan# 41
Delta R.T. -0.015 min
Lab File: BM041085.D
Acq: 24 Jul 2023 21:20

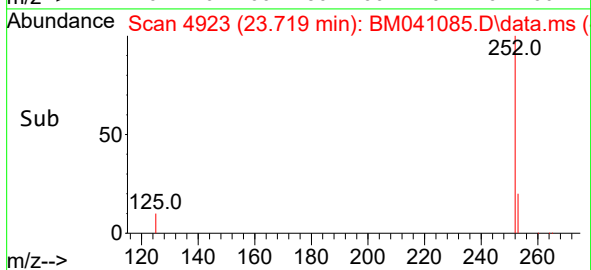
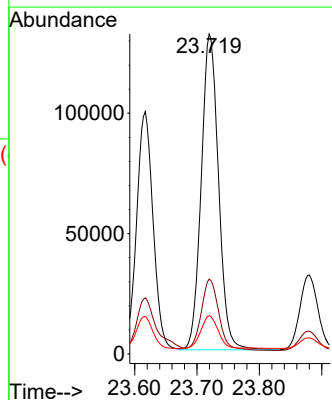
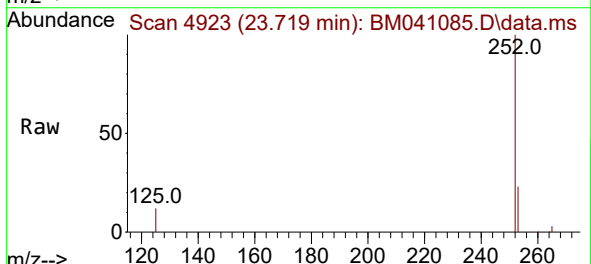
Instrument :
BNA_M
ClientSampleId :
A4737MSD

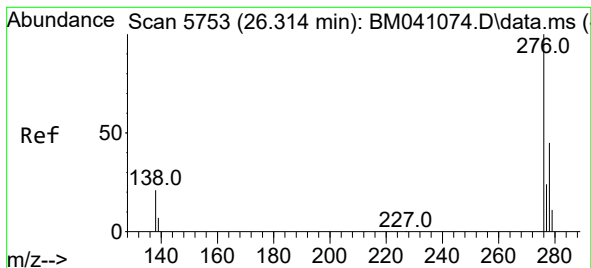
Tgt Ion:252 Resp: 365564
Ion Ratio Lower Upper
252 100
253 23.5 0.0 57.6
125 11.1 0.0 33.6



#26
Benzo(a)pyrene
Concen: 6.350 ng/ul
RT: 23.719 min Scan# 4923
Delta R.T. -0.020 min
Lab File: BM041085.D
Acq: 24 Jul 2023 21:20

Tgt Ion:252 Resp: 252274
Ion Ratio Lower Upper
252 100
253 23.4 26.7 40.1#
125 12.0 18.1 27.1#





#27

Indeno(1,2,3-cd)pyrene

Concen: 3.165 ng/ul

RT: 26.287 min Scan# 51

Delta R.T. -0.027 min

Lab File: BM041085.D

Acq: 24 Jul 2023 21:20

Instrument :

BNA_M

ClientSampleId :

A4737MSD

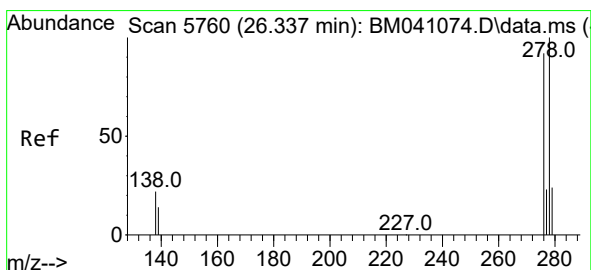
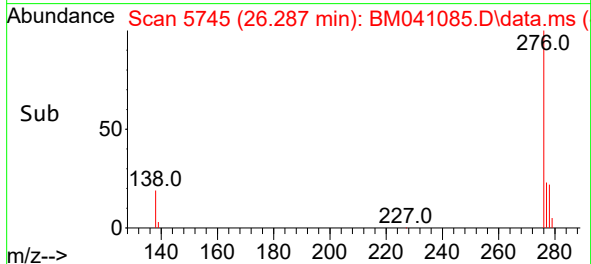
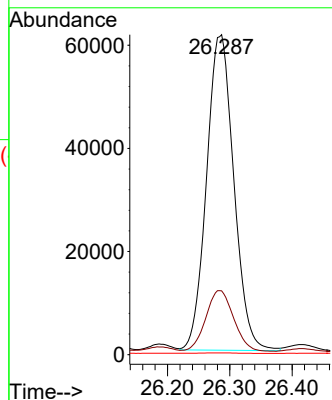
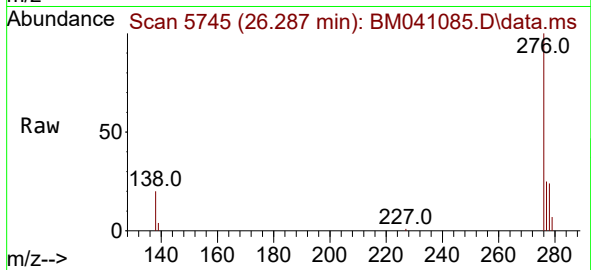
Tgt Ion:276 Resp: 186169

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: 1.193 ng/ul

RT: 26.297 min Scan# 5748

Delta R.T. -0.040 min

Lab File: BM041085.D

Acq: 24 Jul 2023 21:20

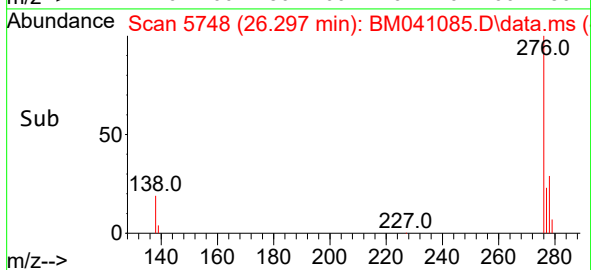
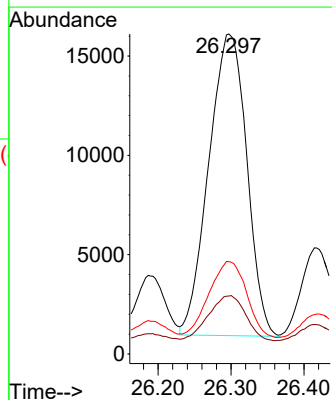
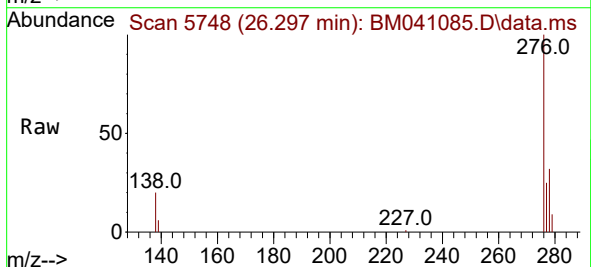
Tgt Ion:278 Resp: 55050

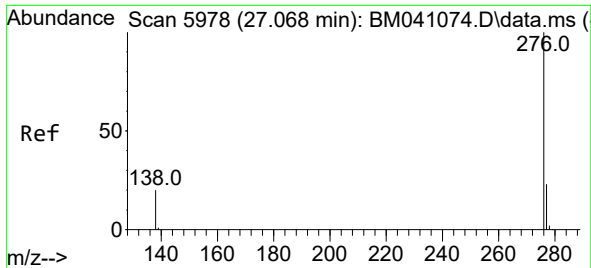
Ion Ratio Lower Upper

278 100

139 18.1 14.1 21.1

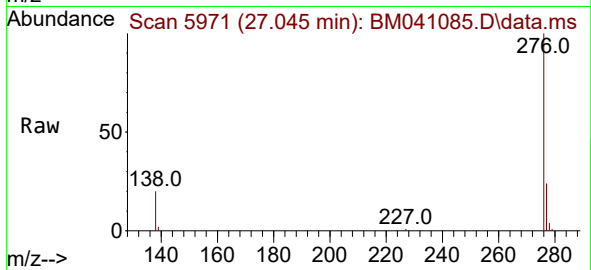
279 28.8 25.0 37.4





#29
Benzo(g,h,i)perylene
Concen: 3.143 ng/ul
RT: 27.045 min Scan# 5971
Delta R.T. -0.023 min
Lab File: BM041085.D
Acq: 24 Jul 2023 21:20

Instrument :
BNA_M
ClientSampleId :
A4737MSD



Tgt Ion:	276	Resp:	165196
Ion	Ratio	Lower	Upper
276	100		
138	20.3	18.2	27.2
277	24.4	20.6	30.8

