

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070524\
 Data File : BM046423.D
 Acq On : 06 Jul 2024 17:37
 Operator : MA/JU
 Sample : P2982-25
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4CT8

Quant Time: Jul 08 00:49:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM070524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 05 16:01:25 2024
 Response via : Initial Calibration

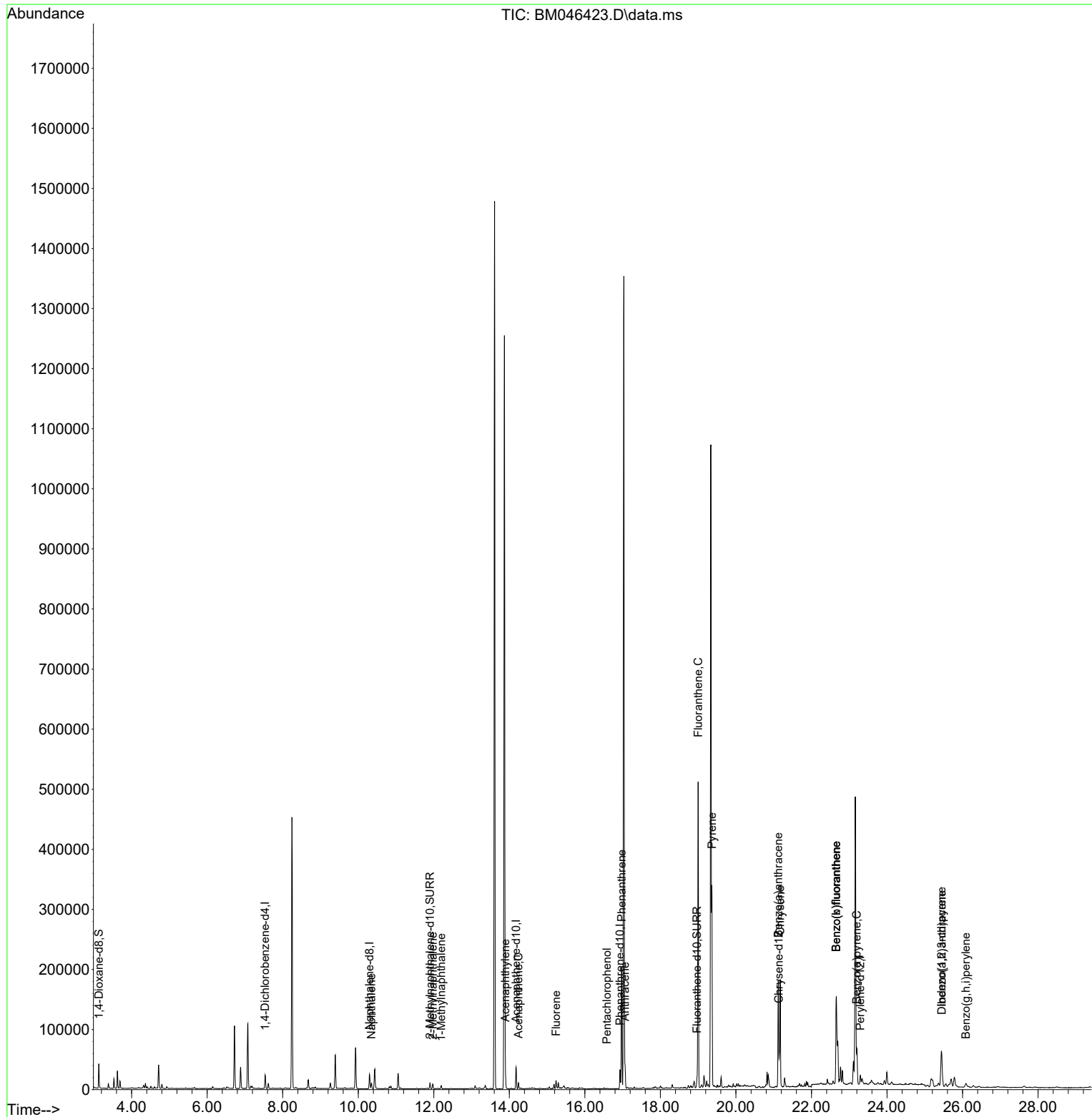
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.535	152	10599	0.400	ng/ul	0.00
4) Naphthalene-d8	10.299	136	31587	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.178	164	19138	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.930	188	35987	0.400	ng/ul	0.00
17) Chrysene-d12	21.134	240	15489	0.400	ng/ul	# 0.00
23) Perylene-d12	23.294	264	15486	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.130	96	22863	2.088	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.899	152	11012	0.236	ng/ul	0.00
18) Fluoranthene-d10	18.970	212	15723	0.290	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.348	128	12193	0.145	ng/ul	99
7) 2-Methylnaphthalene	11.976	142	5594	0.099	ng/ul	98
8) 1-Methylnaphthalene	12.196	142	3482	0.060	ng/ul	97
10) Acenaphthylene	13.896	152	27023	0.278	ng/ul	100
11) Acenaphthene	14.243	153	5781	0.091	ng/ul	99
12) Fluorene	15.238	166	8749	0.117	ng/ul	98
14) Pentachlorophenol	16.584	266	369	0.035	ng/ul	96
15) Phenanthrene	16.972	178	211348	1.961	ng/ul	98
16) Anthracene	17.065	178	38048	0.364	ng/ul	99
19) Fluoranthene	18.997	202	438450	5.600	ng/ul	98
20) Pyrene	19.365	202	282541	3.507	ng/ul#	93
21) Benzo(a)anthracene	21.119	228	140221	2.026	ng/ul	94
22) Chrysene	21.172	228	177004	2.572	ng/ul	98
24) Benzo(b)fluoranthene	22.656	252	317483	4.822	ng/ul	98
25) Benzo(k)fluoranthene	22.656	252	317483	4.777	ng/ul	99
26) Benzo(a)pyrene	23.200	252	79148	1.521	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	25.440	276	90370	1.285	ng/ul#	88
28) Dibenzo(a,h)anthracene	25.453	278	27990	0.515	ng/ul#	90
29) Benzo(g,h,i)perylene	26.087	276	14438	0.258	ng/ul#	84

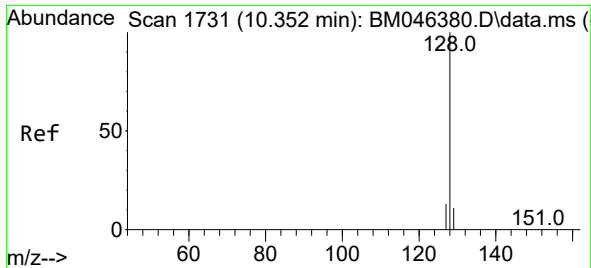
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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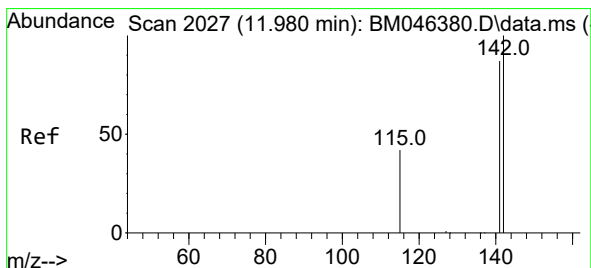
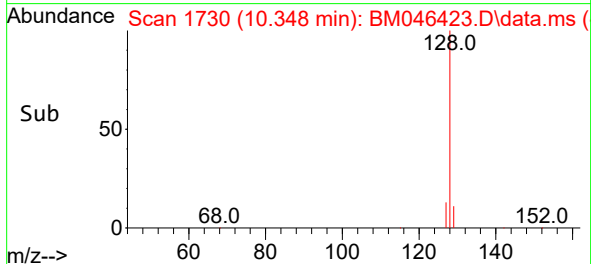
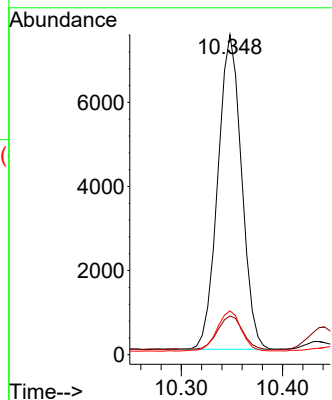
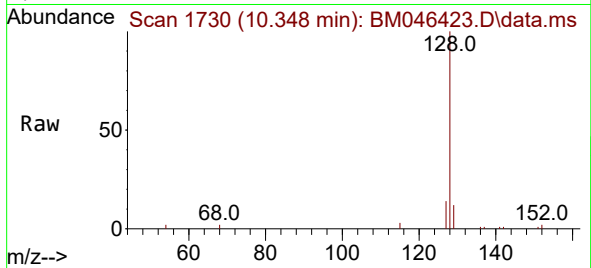




#5
Naphthalene
Concen: 0.145 ng/ul
RT: 10.348 min Scan# 1730
Delta R.T. -0.004 min
Lab File: BM046423.D
Acq: 06 Jul 2024 17:37

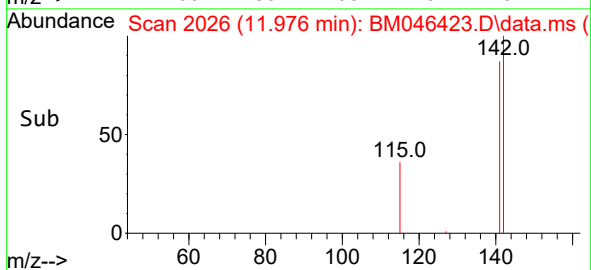
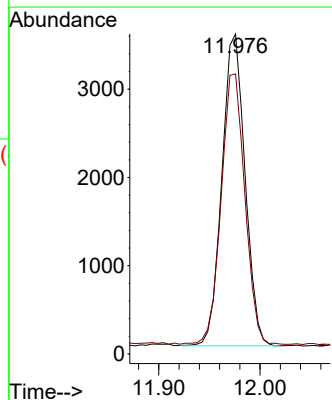
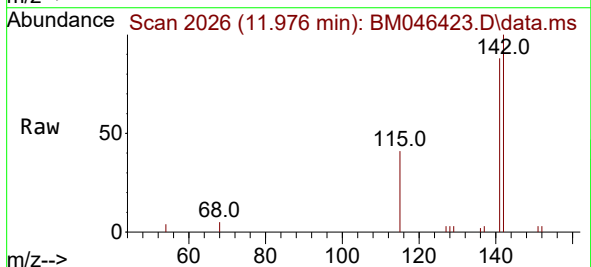
Instrument :
BNA_M
ClientSampleId :
A4CT8

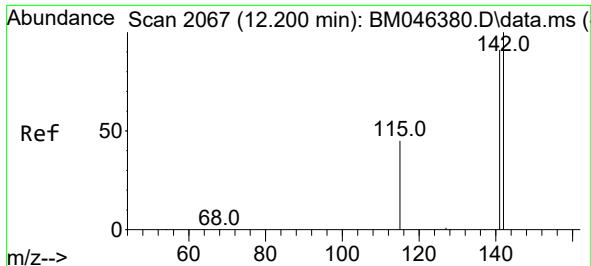
Tgt Ion:128 Resp: 12193
Ion Ratio Lower Upper
128 100
129 12.1 9.4 14.0
127 13.7 10.8 16.2



#7
2-Methylnaphthalene
Concen: 0.099 ng/ul
RT: 11.976 min Scan# 2026
Delta R.T. -0.004 min
Lab File: BM046423.D
Acq: 06 Jul 2024 17:37

Tgt Ion:142 Resp: 5594
Ion Ratio Lower Upper
142 100
141 88.9 69.8 104.6

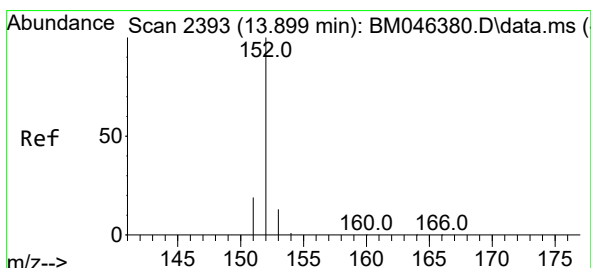
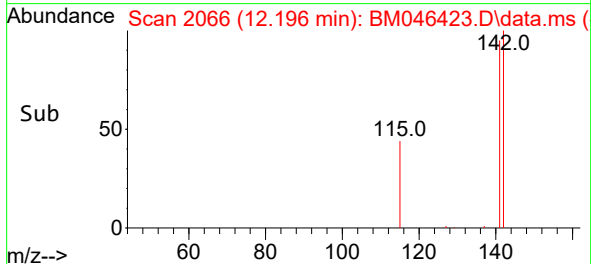
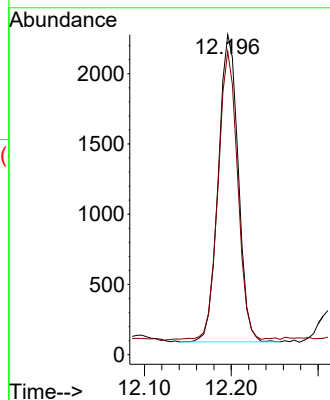
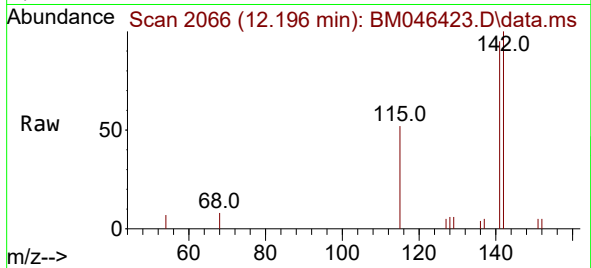




#8
1-Methylnaphthalene
Concen: 0.060 ng/ul
RT: 12.196 min Scan# 2066
Delta R.T. -0.004 min
Lab File: BM046423.D
Acq: 06 Jul 2024 17:37

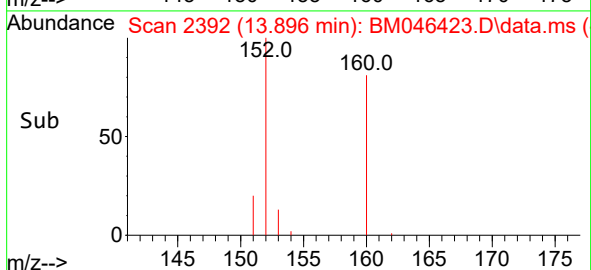
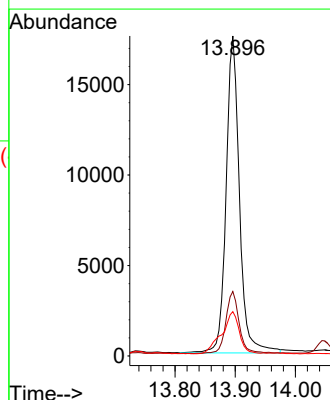
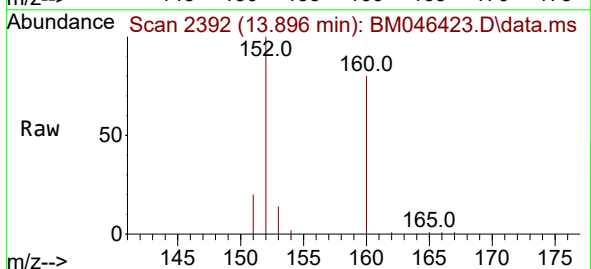
Instrument :
BNA_M
ClientSampleId :
A4CT8

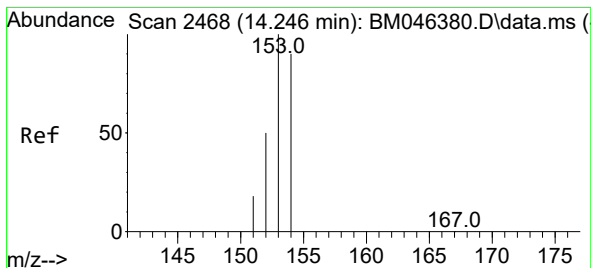
Tgt Ion:142 Resp: 3482
Ion Ratio Lower Upper
142 100
141 93.3 72.4 108.6



#10
Acenaphthylene
Concen: 0.278 ng/ul
RT: 13.896 min Scan# 2392
Delta R.T. -0.003 min
Lab File: BM046423.D
Acq: 06 Jul 2024 17:37

Tgt Ion:152 Resp: 27023
Ion Ratio Lower Upper
152 100
151 20.2 15.9 23.9
153 13.9 11.0 16.6





#11

Acenaphthene

Concen: 0.091 ng/ul

RT: 14.243 min Scan# 2467

Delta R.T. -0.003 min

Lab File: BM046423.D

Acq: 06 Jul 2024 17:37

Instrument :

BNA_M

ClientSampleId :

A4CT8

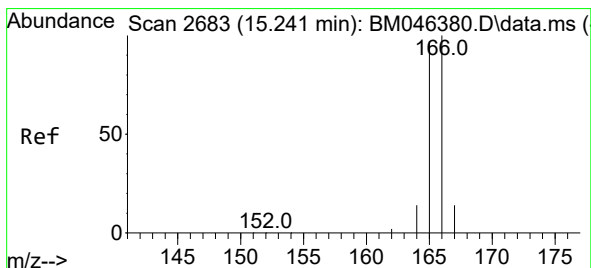
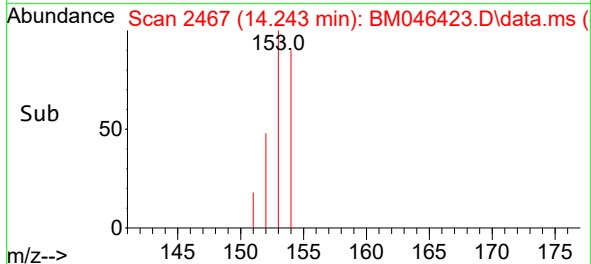
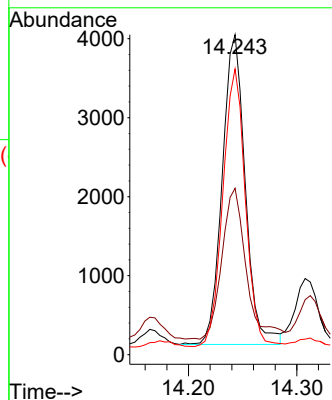
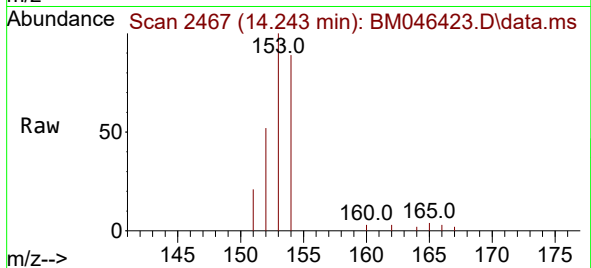
Tgt Ion:153 Resp: 5781

Ion Ratio Lower Upper

153 100

152 52.0 40.4 60.6

154 89.3 72.1 108.1



#12

Fluorene

Concen: 0.117 ng/ul

RT: 15.238 min Scan# 2682

Delta R.T. -0.003 min

Lab File: BM046423.D

Acq: 06 Jul 2024 17:37

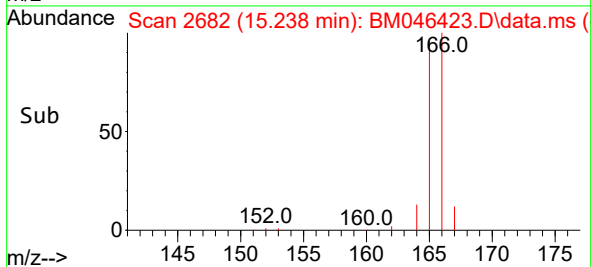
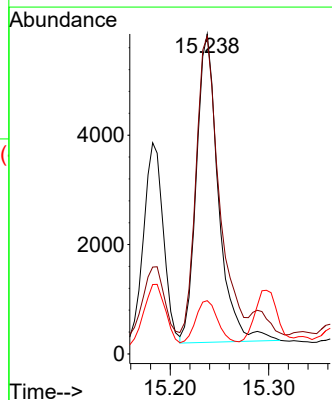
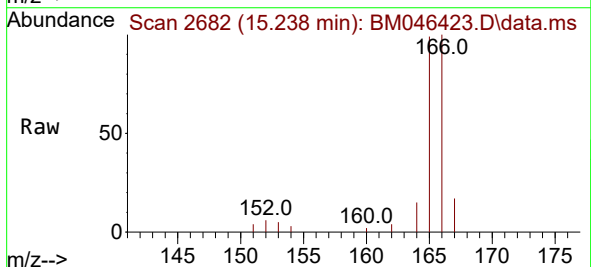
Tgt Ion:166 Resp: 8749

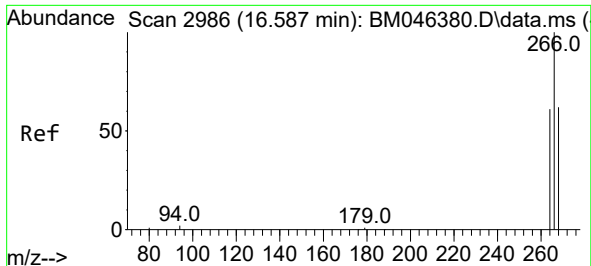
Ion Ratio Lower Upper

166 100

165 99.2 78.0 117.0

167 16.6 11.4 17.0

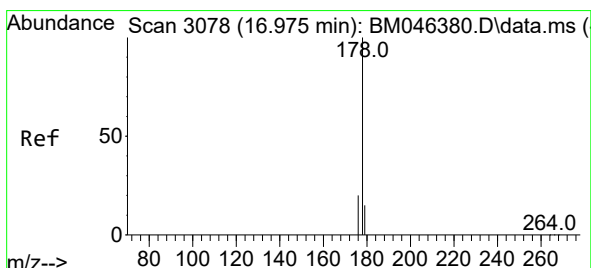
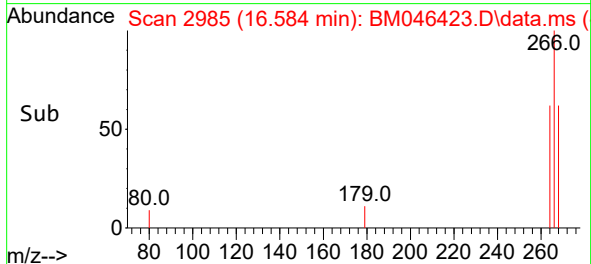
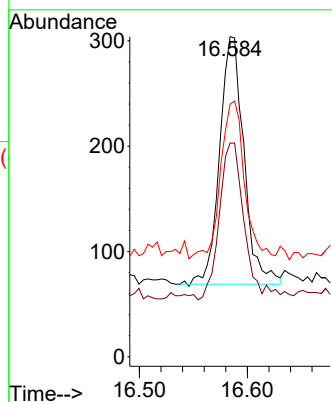
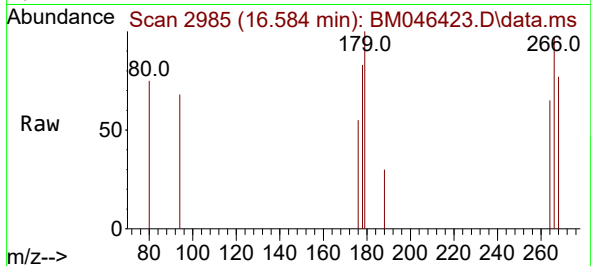




#14
 Pentachlorophenol
 Concen: 0.035 ng/ul
 RT: 16.584 min Scan# 2986
 Delta R.T. -0.003 min
 Lab File: BM046423.D
 Acq: 06 Jul 2024 17:37

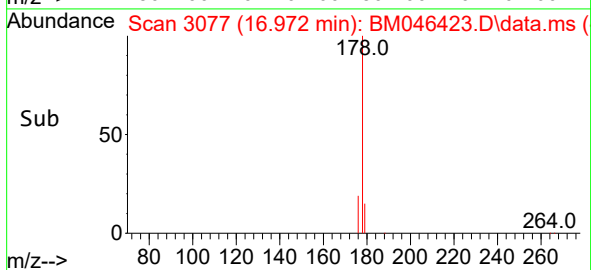
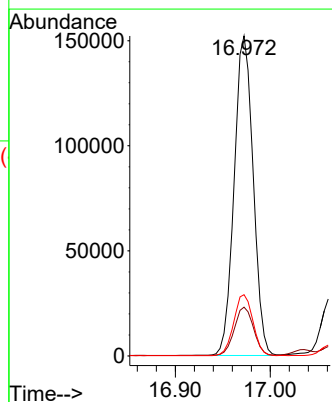
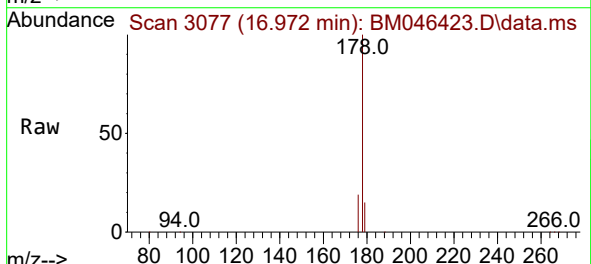
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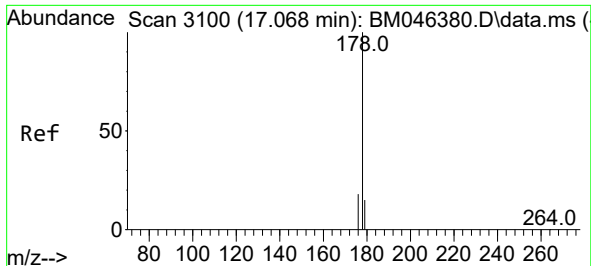
Tgt Ion:266 Resp: 369
 Ion Ratio Lower Upper
 266 100
 264 66.1 51.0 76.6
 268 60.2 50.8 76.2



#15
 Phenanthrene
 Concen: 1.961 ng/ul
 RT: 16.972 min Scan# 3077
 Delta R.T. -0.003 min
 Lab File: BM046423.D
 Acq: 06 Jul 2024 17:37

Tgt Ion:178 Resp: 211348
 Ion Ratio Lower Upper
 178 100
 179 15.2 12.7 19.1
 176 19.2 16.0 24.0

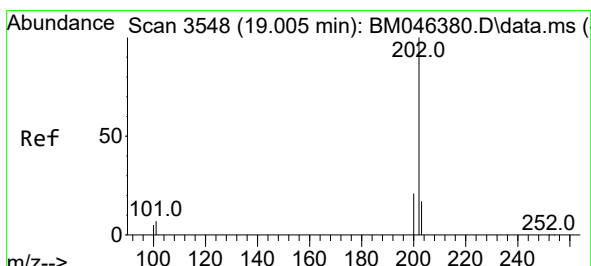
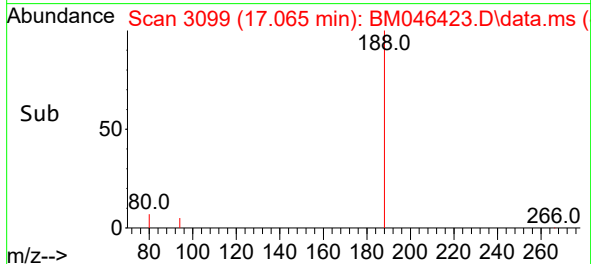
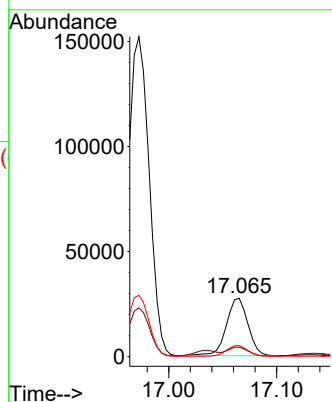
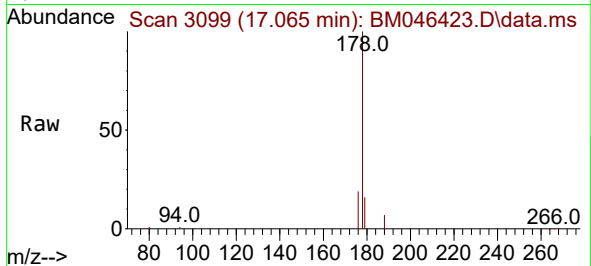




#16
Anthracene
Concen: 0.364 ng/ul
RT: 17.065 min Scan# 3099
Delta R.T. -0.003 min
Lab File: BM046423.D
Acq: 06 Jul 2024 17:37

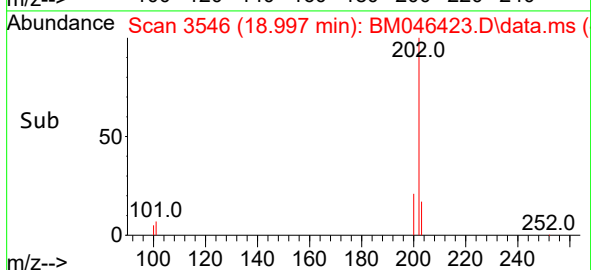
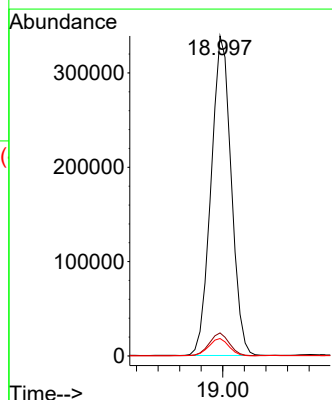
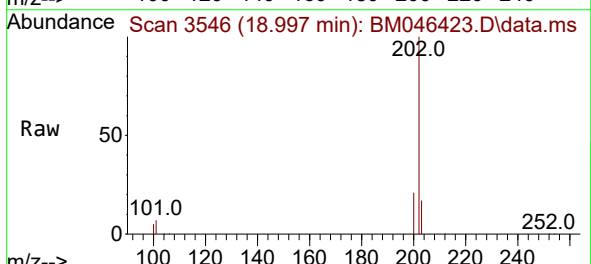
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ClientSampleId :
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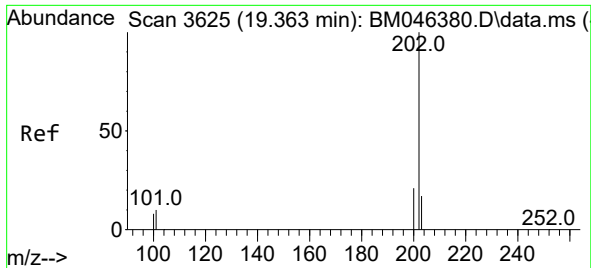
Tgt Ion:178 Resp: 38048
Ion Ratio Lower Upper
178 100
179 16.1 12.6 18.8
176 18.9 14.9 22.3



#19
Fluoranthene
Concen: 5.600 ng/ul
RT: 18.997 min Scan# 3546
Delta R.T. -0.008 min
Lab File: BM046423.D
Acq: 06 Jul 2024 17:37

Tgt Ion:202 Resp: 438450
Ion Ratio Lower Upper
202 100
101 7.2 6.3 9.5
100 5.5 5.0 7.6

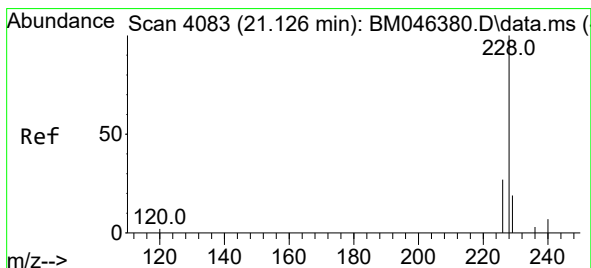
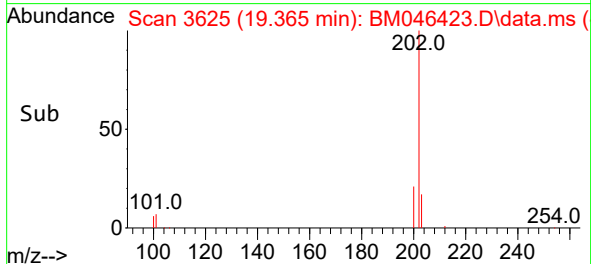
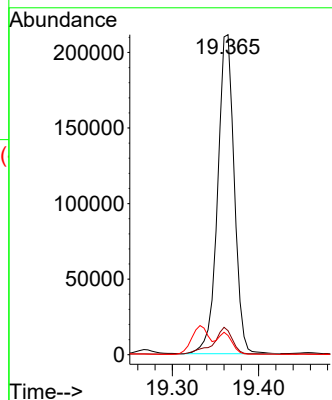
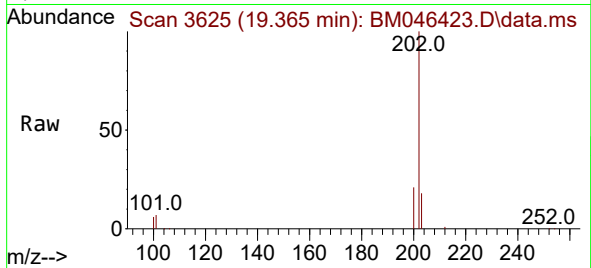




#20
 Pyrene
 Concen: 3.507 ng/ul
 RT: 19.365 min Scan# 30
 Delta R.T. 0.001 min
 Lab File: BM046423.D
 Acq: 06 Jul 2024 17:37

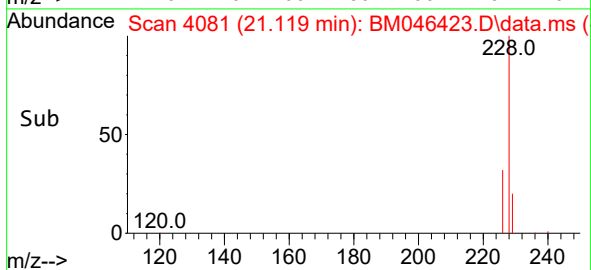
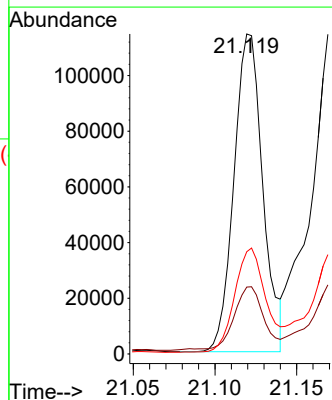
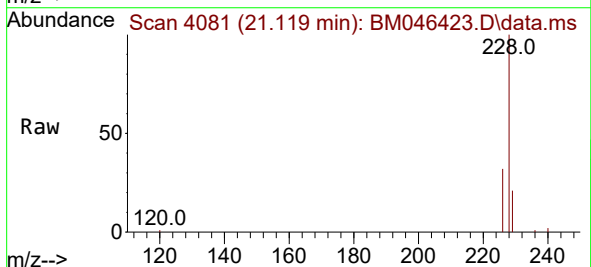
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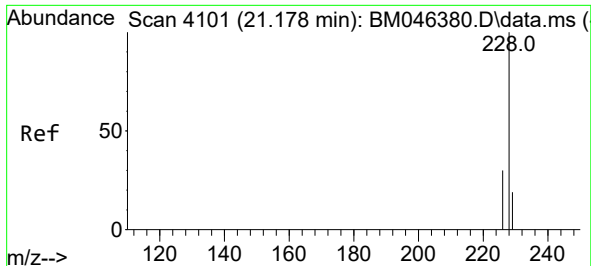
Tgt Ion:202 Resp: 282541
 Ion Ratio Lower Upper
 202 100
 101 7.5 8.2 12.4#
 100 6.0 6.9 10.3#



#21
 Benzo(a)anthracene
 Concen: 2.026 ng/ul
 RT: 21.119 min Scan# 4081
 Delta R.T. -0.006 min
 Lab File: BM046423.D
 Acq: 06 Jul 2024 17:37

Tgt Ion:228 Resp: 140221
 Ion Ratio Lower Upper
 228 100
 229 20.9 15.8 23.6
 226 31.9 22.0 33.0





#22

Chrysene

Concen: 2.572 ng/ul

RT: 21.172 min Scan# 4099

Delta R.T. -0.006 min

Lab File: BM046423.D

Acq: 06 Jul 2024 17:37

Instrument :

BNA_M

ClientSampleId :

A4CT8

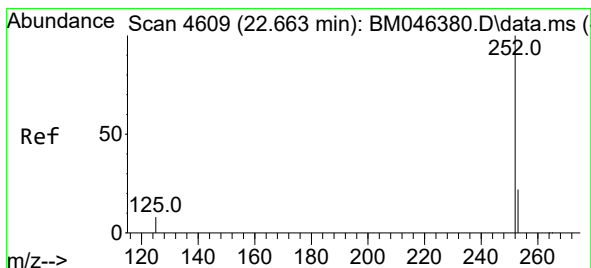
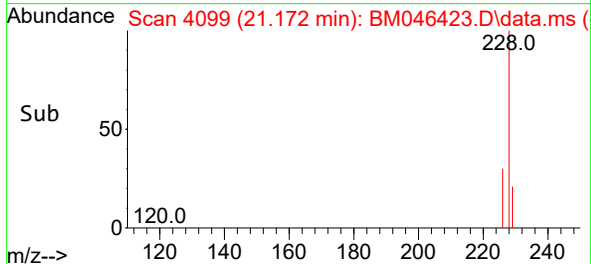
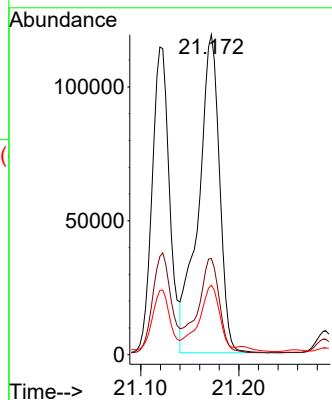
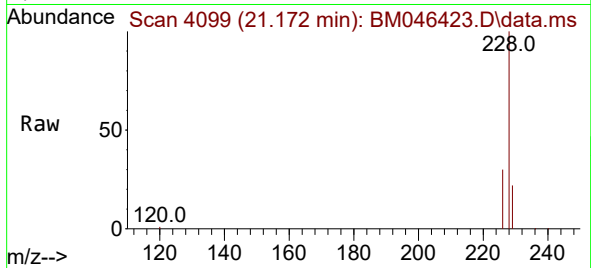
Tgt Ion:228 Resp: 177004

Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

229 21.7 15.8 23.6



#24

Benzo(b)fluoranthene

Concen: 4.822 ng/ul

RT: 22.656 min Scan# 4607

Delta R.T. -0.006 min

Lab File: BM046423.D

Acq: 06 Jul 2024 17:37

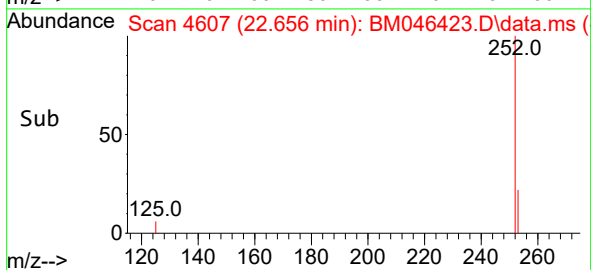
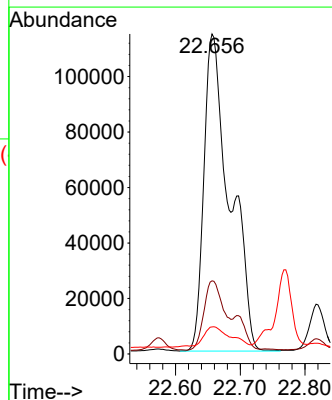
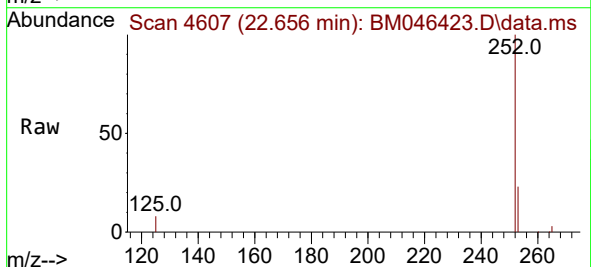
Tgt Ion:252 Resp: 317483

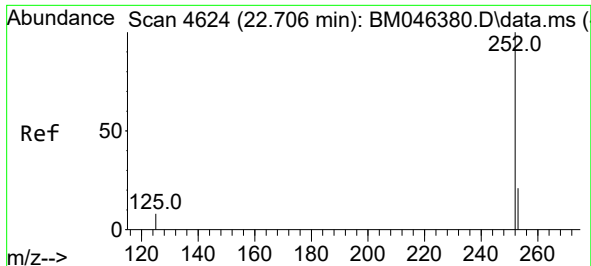
Ion Ratio Lower Upper

252 100

253 22.9 0.0 47.0

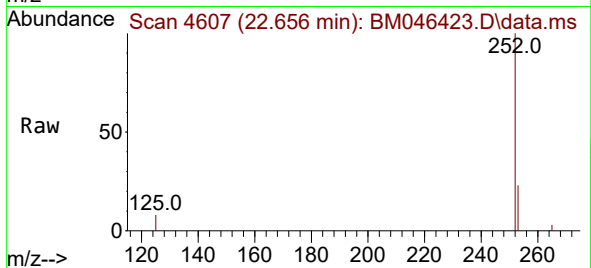
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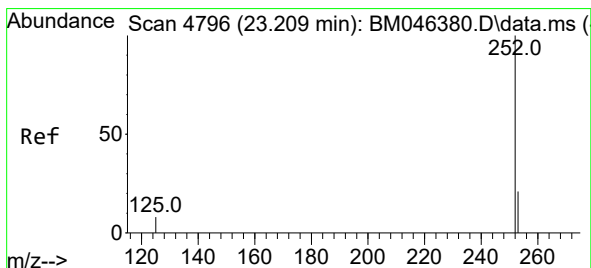
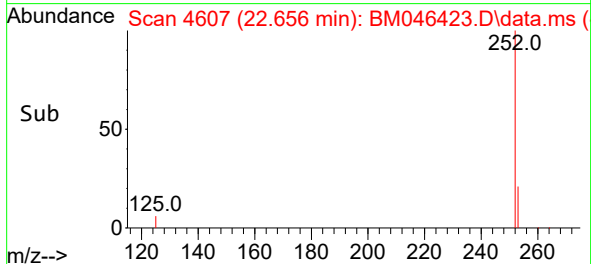
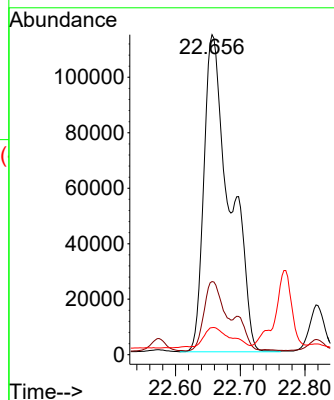


#25
Benzo(k)fluoranthene
Concen: 4.777 ng/ul
RT: 22.656 min Scan# 4607
Delta R.T. -0.050 min
Lab File: BM046423.D
Acq: 06 Jul 2024 17:37

Instrument :
BNA_M
ClientSampleId :
A4CT8

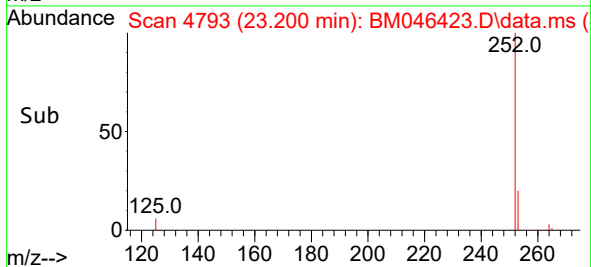
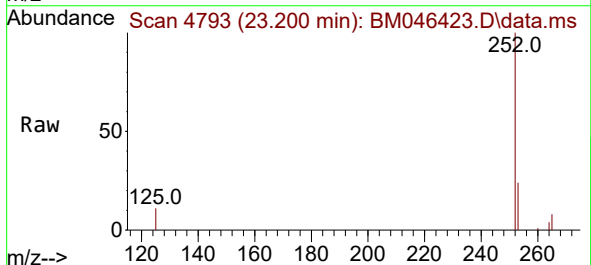
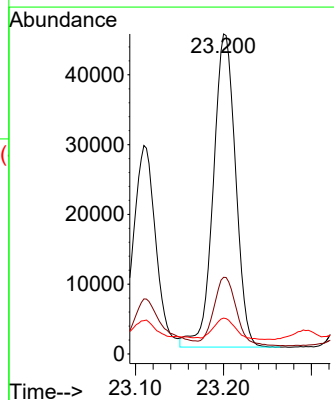


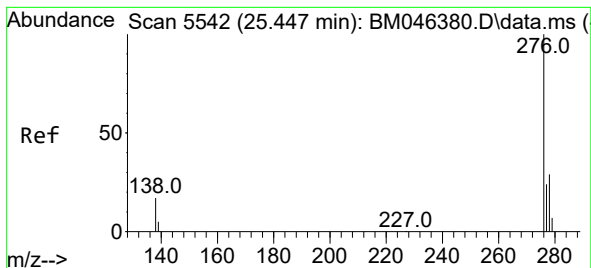
Tgt Ion:252 Resp: 317483
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 8.4 7.5 11.3



#26
Benzo(a)pyrene
Concen: 1.521 ng/ul
RT: 23.200 min Scan# 4793
Delta R.T. -0.009 min
Lab File: BM046423.D
Acq: 06 Jul 2024 17:37

Tgt Ion:252 Resp: 79148
Ion Ratio Lower Upper
252 100
253 23.9 18.9 28.3
125 11.2 8.1 12.1





#27

Indeno(1,2,3-cd)pyrene

Concen: 1.285 ng/ul

RT: 25.440 min Scan# 51

Delta R.T. -0.007 min

Lab File: BM046423.D

Acq: 06 Jul 2024 17:37

Instrument :

BNA_M

ClientSampleId :

A4CT8

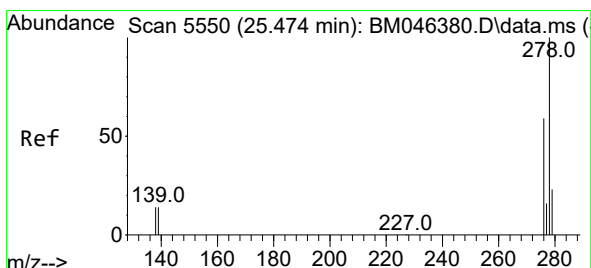
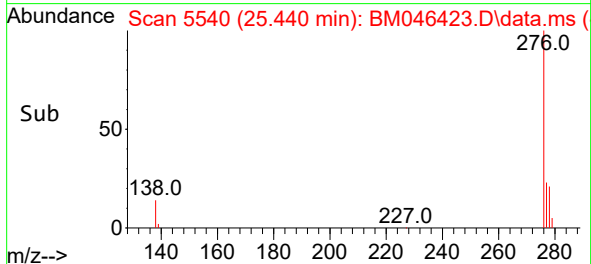
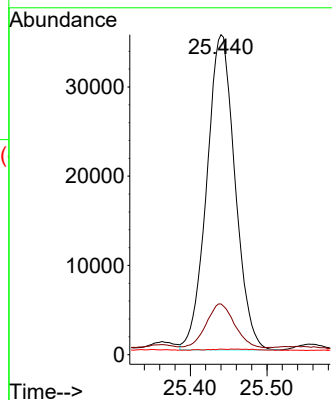
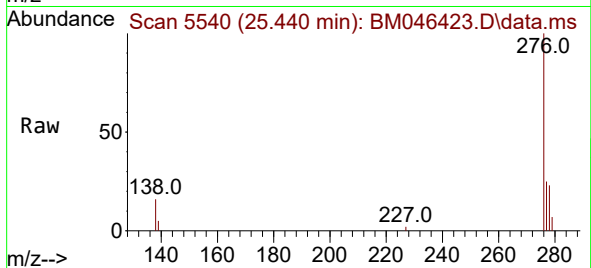
Tgt Ion:276 Resp: 90370

Ion Ratio Lower Upper

276 100

138 14.1 15.7 23.5#

227 0.2 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 0.515 ng/ul

RT: 25.453 min Scan# 5544

Delta R.T. -0.020 min

Lab File: BM046423.D

Acq: 06 Jul 2024 17:37

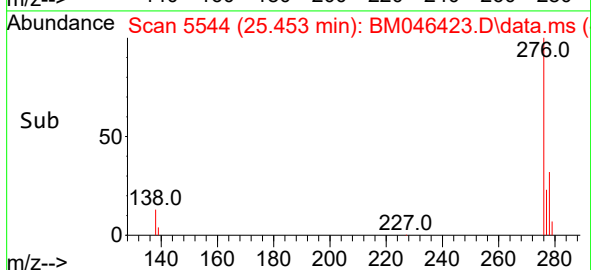
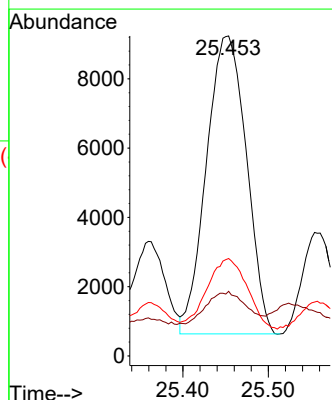
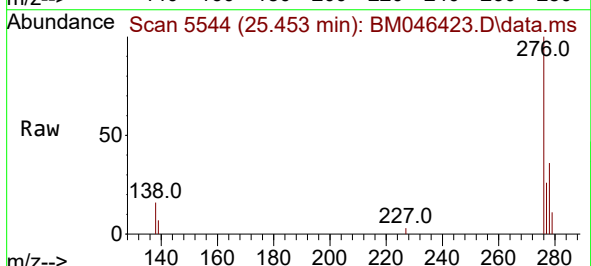
Tgt Ion:278 Resp: 27990

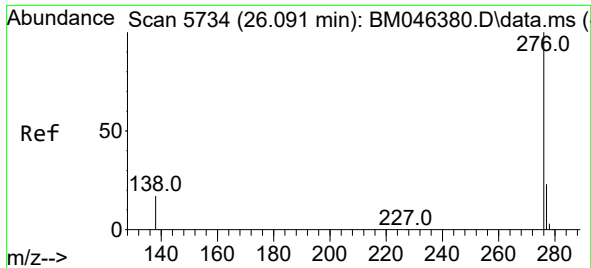
Ion Ratio Lower Upper

278 100

139 20.2 12.6 18.8#

279 30.4 20.7 31.1





#29
 Benzo(g,h,i)perylene
 Concen: 0.258 ng/ul
 RT: 26.087 min Scan# 51
 Delta R.T. -0.004 min
 Lab File: BM046423.D
 Acq: 06 Jul 2024 17:37

Instrument :
 BNA_M
 ClientSampleId :
 A4CT8

Tgt Ion:276 Resp: 14438
 Ion Ratio Lower Upper
 276 100
 138 26.2 15.4 23.0#
 277 33.2 19.7 29.5#

