

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
 Data File : BM041046.D
 Acq On : 22 Jul 2023 09:38
 Operator : MA/JU
 Sample : 03540-01
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 22 22:35:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 22 22:33:48 2023
 Response via : Initial Calibration

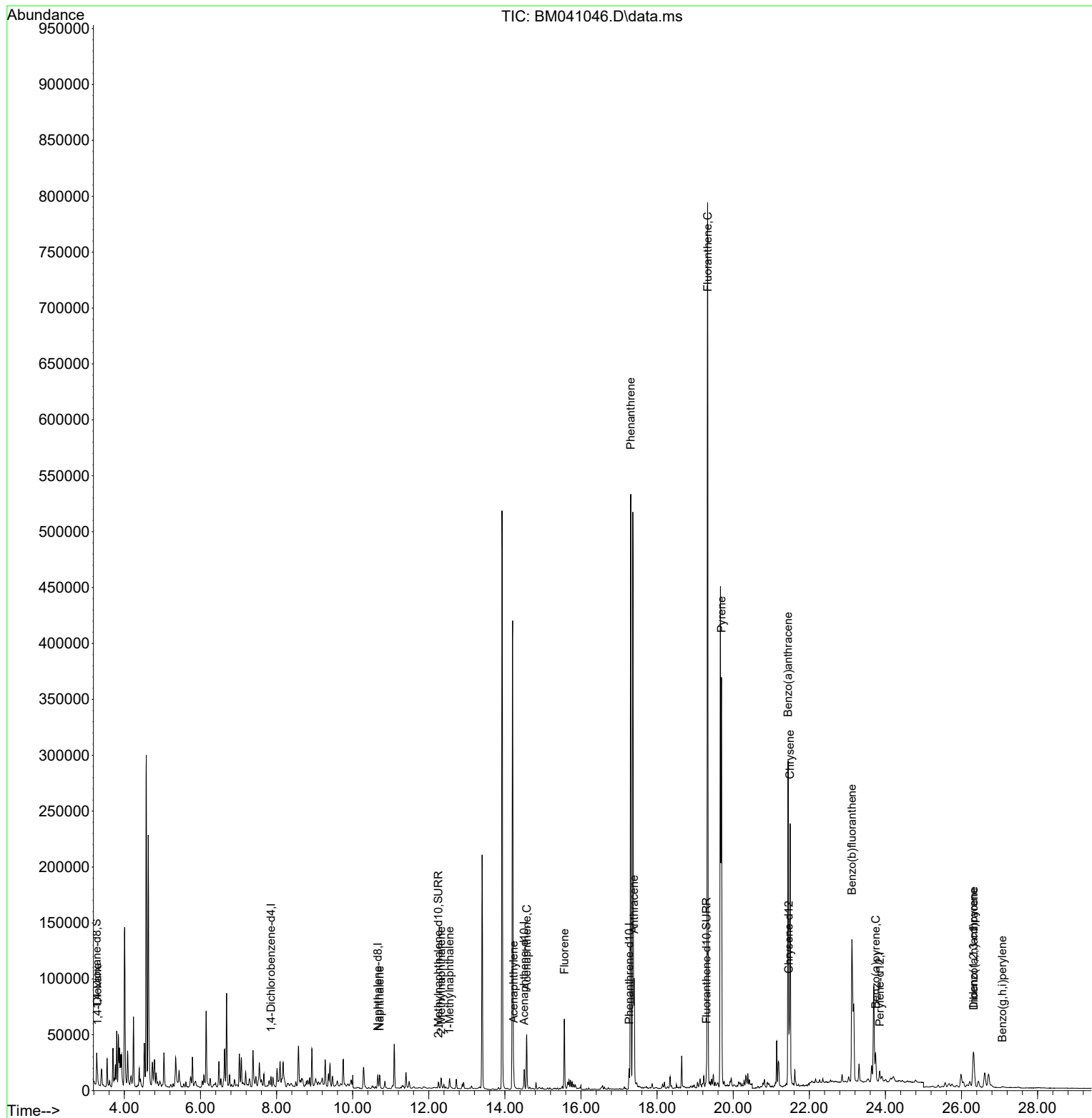
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.853	152	4685	0.400	ng/ul	0.00
4) Naphthalene-d8	10.658	136	16146	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.509	164	9397	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.265	188	21469	0.400	ng/ul #	0.00
17) Chrysene-d12	21.460	240	13877	0.400	ng/ul	0.00
23) Perylene-d12	23.851	264	12374	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	17179	2.230	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.253	152	7660	0.356	ng/ul	-0.01
18) Fluoranthene-d10	19.297	212	16734	0.287	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.292	88	1527	0.188	ng/ul#	1
5) Naphthalene	10.708	128	16320	0.370	ng/ul	99
7) 2-Methylnaphthalene	12.330	142	5980	0.247	ng/ul	96
8) 1-Methylnaphthalene	12.550	142	5981	0.232	ng/ul	98
10) Acenaphthylene	14.231	152	13630	0.346	ng/ul	99
11) Acenaphthene	14.574	153	28669	0.826	ng/ul	96
12) Fluorene	15.564	166	38098	1.061	ng/ul	97
15) Phenanthrene	17.308	178	544638	8.487	ng/ul	98
16) Anthracene	17.396	178	95537	1.911	ng/ul	97
19) Fluoranthene	19.329	202	681706	9.515	ng/ul#	92
20) Pyrene	19.692	202	308957	4.221	ng/ul#	92
21) Benzo(a)anthracene	21.442	228	245806	5.815	ng/ul	100
22) Chrysene	21.495	228	219341	4.539	ng/ul	98
24) Benzo(b)fluoranthene	23.120	252	226432	4.768	ng/ul	83
26) Benzo(a)pyrene	23.743	252	35548	0.867	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	26.314	276	46205	0.849	ng/ul#	88
28) Dibenzo(a,h)anthracene	26.324	278	25750	0.625	ng/ul	93
29) Benzo(g,h,i)perylene	27.075	276	2672	0.053	ng/ul#	50

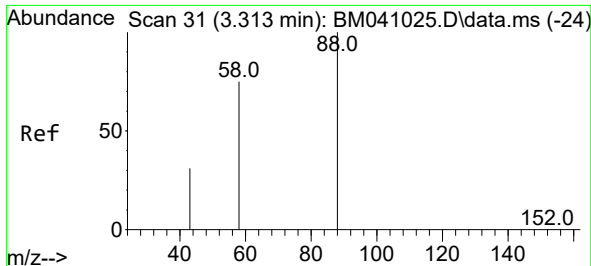
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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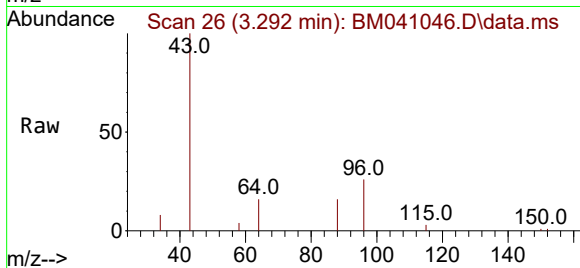
Quant Time: Jul 22 22:35:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
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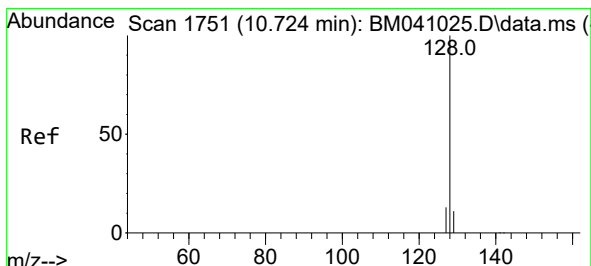
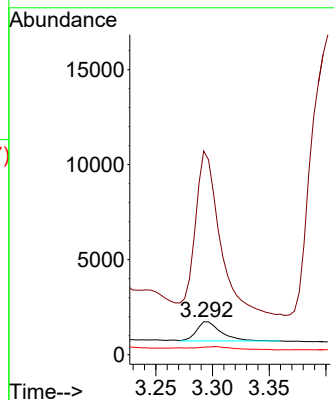
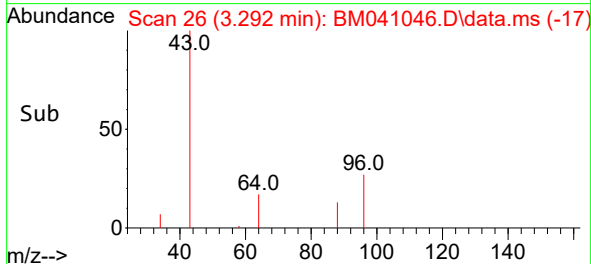


#2
1,4-Dioxane
Concen: 0.188 ng/ul
RT: 3.292 min Scan# 21
Delta R.T. -0.021 min
Lab File: BM041046.D
Acq: 22 Jul 2023 09:38

Instrument :
BNA_M
ClientSampleId :

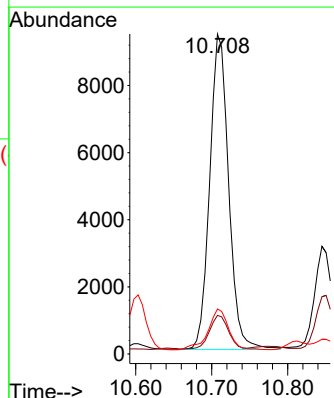
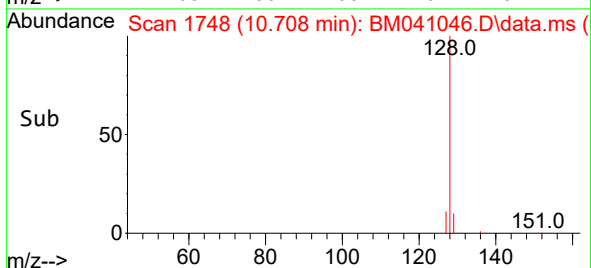
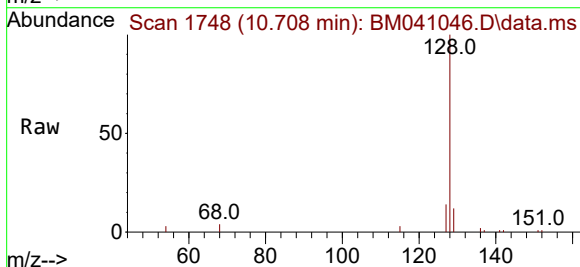


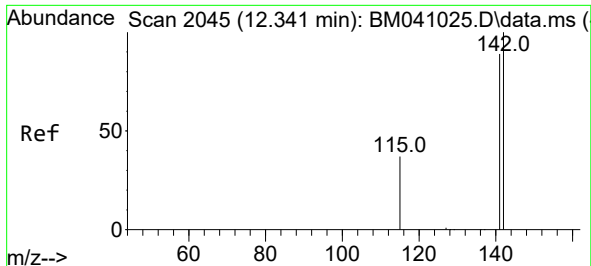
Tgt Ion: 88 Resp: 1527
Ion Ratio Lower Upper
88 100
43 616.2 46.7 70.1#
58 23.0 40.3 60.5#



#5
Naphthalene
Concen: 0.370 ng/ul
RT: 10.708 min Scan# 1748
Delta R.T. -0.011 min
Lab File: BM041046.D
Acq: 22 Jul 2023 09:38

Tgt Ion: 128 Resp: 16320
Ion Ratio Lower Upper
128 100
129 12.1 9.8 14.8
127 14.1 11.0 16.4

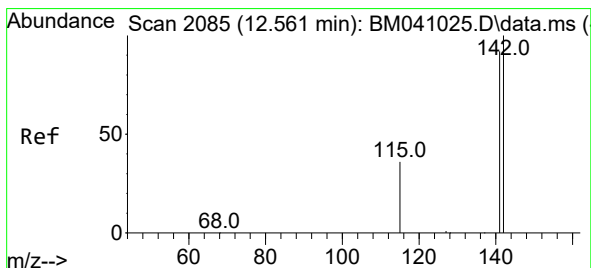
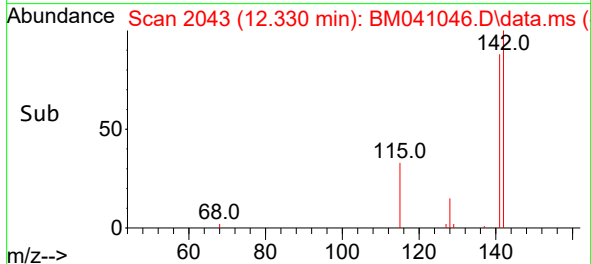
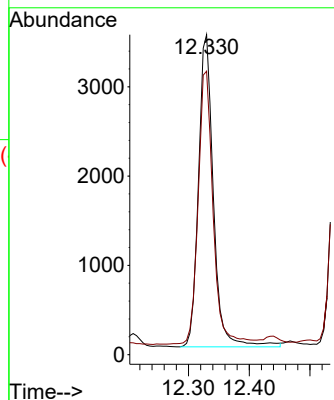
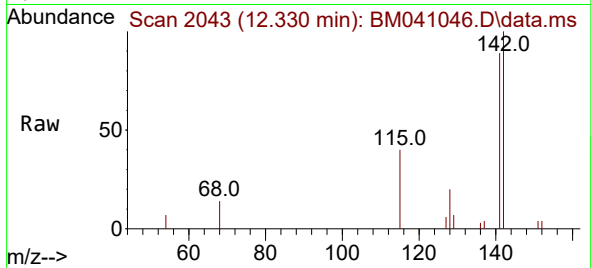




#7
2-Methylnaphthalene
Concen: 0.247 ng/ul
RT: 12.330 min Scan# 2043
Delta R.T. -0.005 min
Lab File: BM041046.D
Acq: 22 Jul 2023 09:38

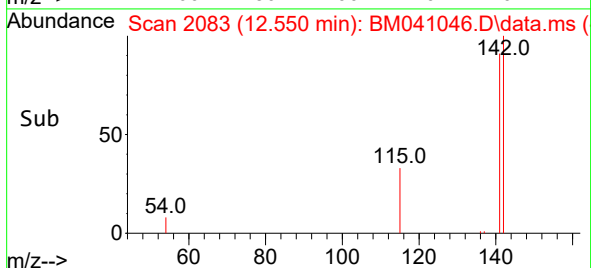
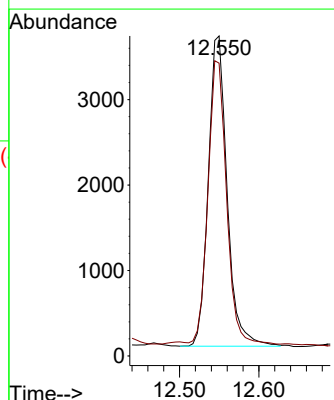
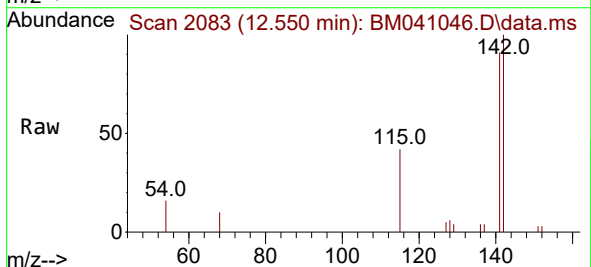
Instrument :
BNA_M
ClientSampleId :

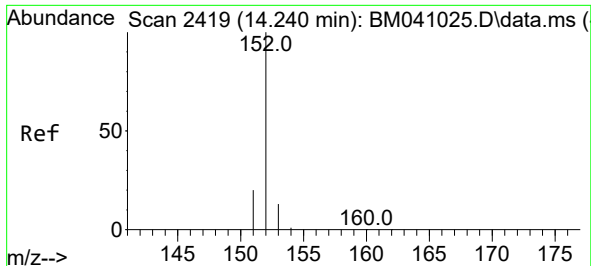
Tgt Ion:142 Resp: 5980
Ion Ratio Lower Upper
142 100
141 87.8 73.2 109.8



#8
1-Methylnaphthalene
Concen: 0.232 ng/ul
RT: 12.550 min Scan# 2083
Delta R.T. -0.005 min
Lab File: BM041046.D
Acq: 22 Jul 2023 09:38

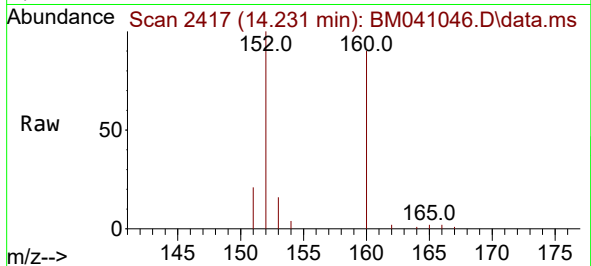
Tgt Ion:142 Resp: 5981
Ion Ratio Lower Upper
142 100
141 90.0 73.4 110.2



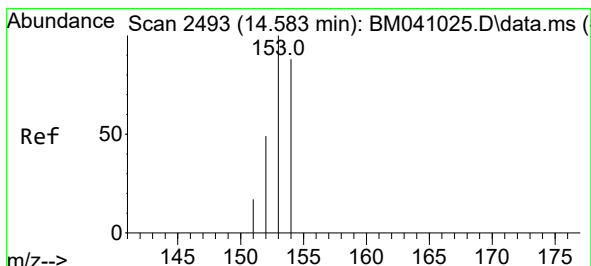
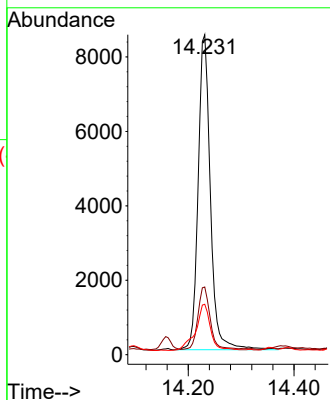


#10
Acenaphthylene
Concen: 0.346 ng/ul
RT: 14.231 min Scan# 2417
Delta R.T. -0.004 min
Lab File: BM041046.D
Acq: 22 Jul 2023 09:38

Instrument :
BNA_M
ClientSampleId :

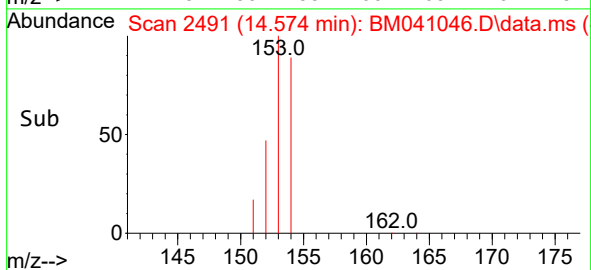
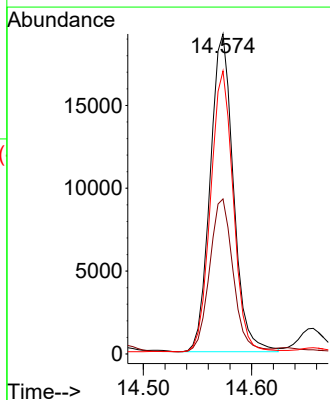
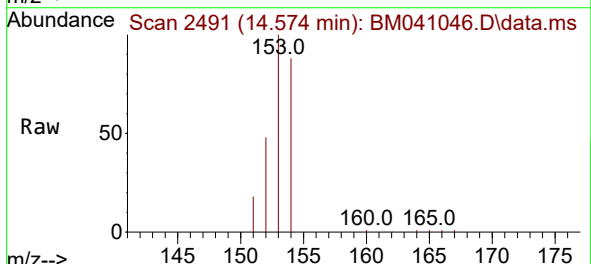


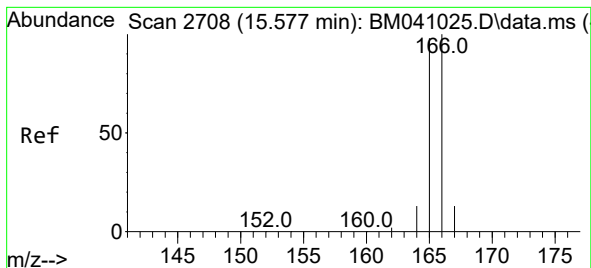
Tgt Ion:152 Resp: 13630
Ion Ratio Lower Upper
152 100
151 21.1 16.8 25.2
153 15.7 11.6 17.4



#11
Acenaphthene
Concen: 0.826 ng/ul
RT: 14.574 min Scan# 2491
Delta R.T. 0.000 min
Lab File: BM041046.D
Acq: 22 Jul 2023 09:38

Tgt Ion:153 Resp: 28669
Ion Ratio Lower Upper
153 100
152 48.5 41.0 61.6
154 88.4 68.2 102.2





#12

Fluorene

Concen: 1.061 ng/ul

RT: 15.564 min Scan# 21

Delta R.T. -0.009 min

Lab File: BM041046.D

Acq: 22 Jul 2023 09:38

Instrument :

BNA_M

ClientSampleId :

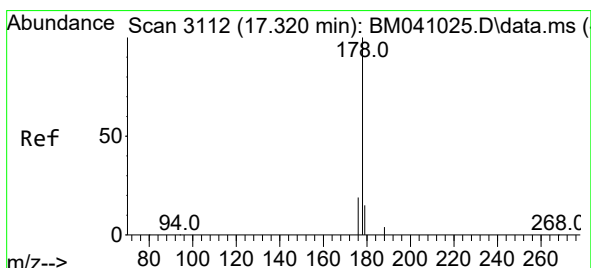
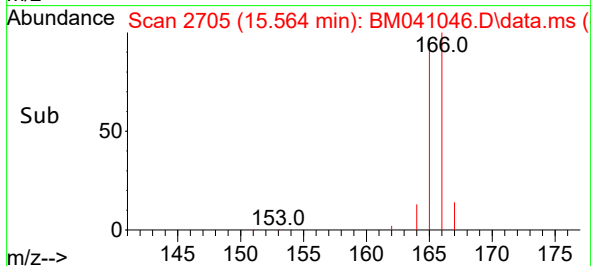
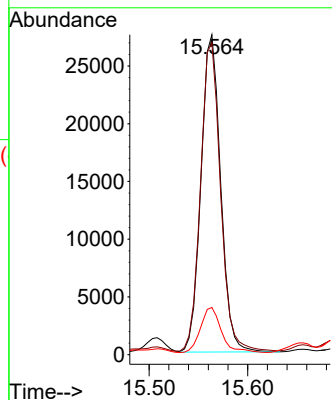
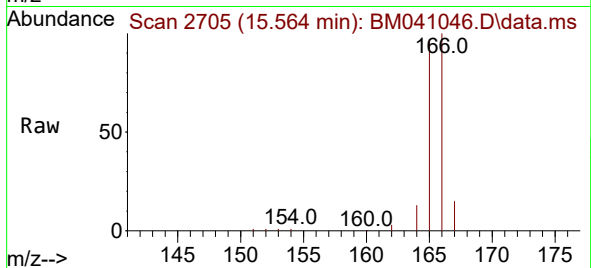
Tgt Ion:166 Resp: 38098

Ion Ratio Lower Upper

166 100

165 97.4 80.3 120.5

167 14.7 11.7 17.5



#15

Phenanthrene

Concen: 8.487 ng/ul

RT: 17.308 min Scan# 3109

Delta R.T. -0.008 min

Lab File: BM041046.D

Acq: 22 Jul 2023 09:38

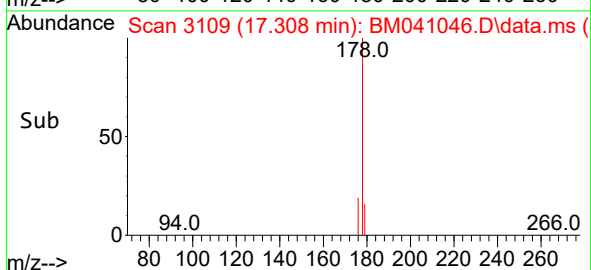
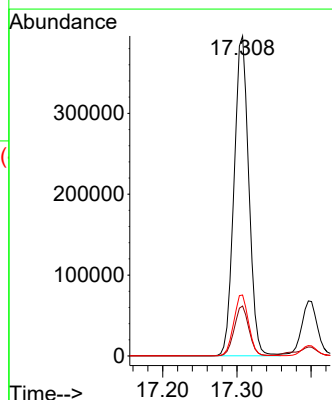
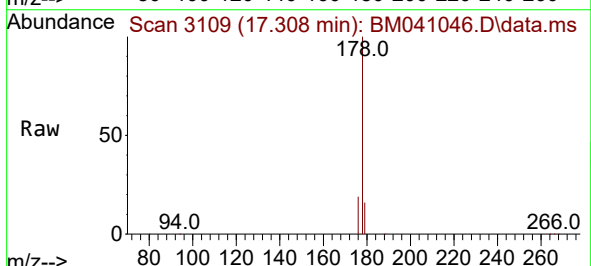
Tgt Ion:178 Resp: 544638

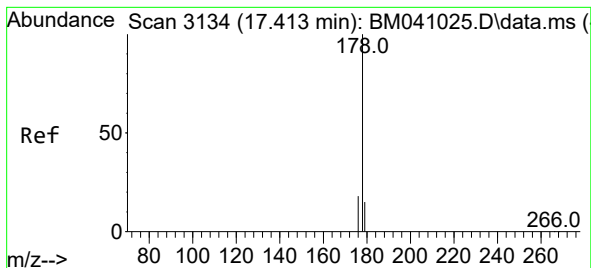
Ion Ratio Lower Upper

178 100

179 15.6 13.0 19.6

176 19.0 16.2 24.4





#16

Anthracene

Concen: 1.911 ng/ul

RT: 17.396 min Scan# 31

Delta R.T. -0.012 min

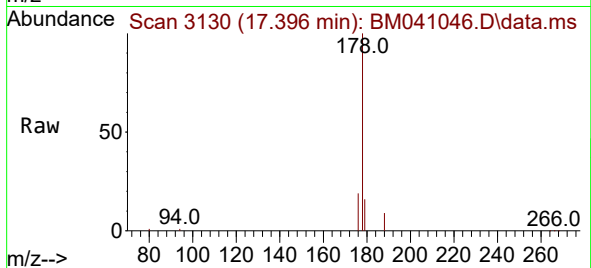
Lab File: BM041046.D

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Instrument :

BNA_M

ClientSampleId :



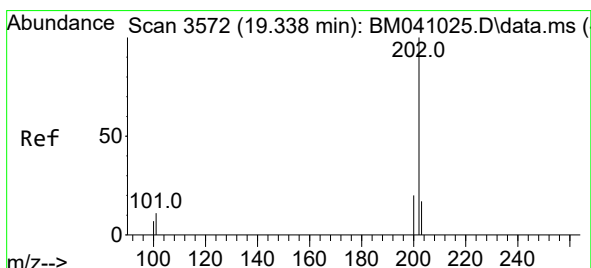
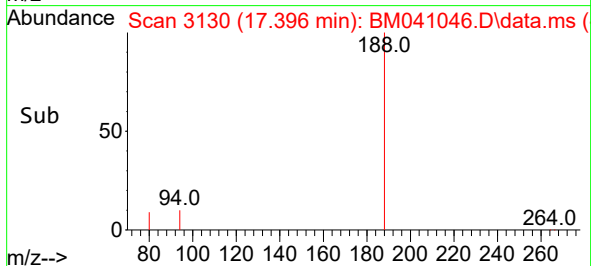
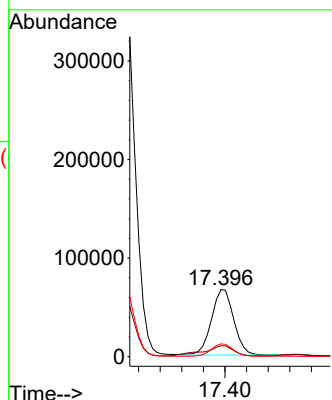
Tgt Ion:178 Resp: 95537

Ion Ratio Lower Upper

178 100

179 16.3 13.7 20.5

176 19.0 16.4 24.6



#19

Fluoranthene

Concen: 9.515 ng/ul

RT: 19.329 min Scan# 3570

Delta R.T. -0.004 min

Lab File: BM041046.D

Acq: 22 Jul 2023 09:38

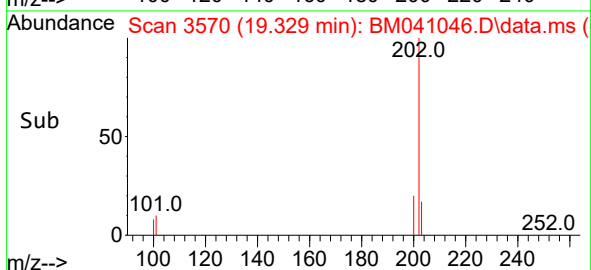
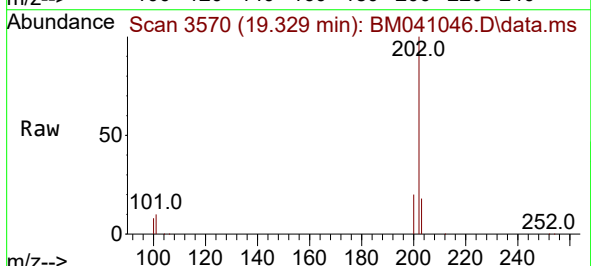
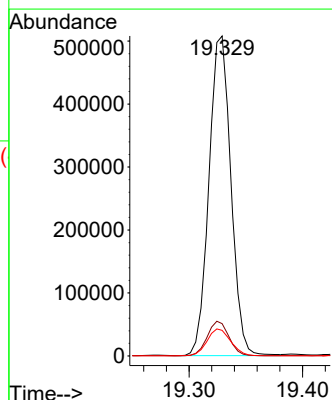
Tgt Ion:202 Resp: 681706

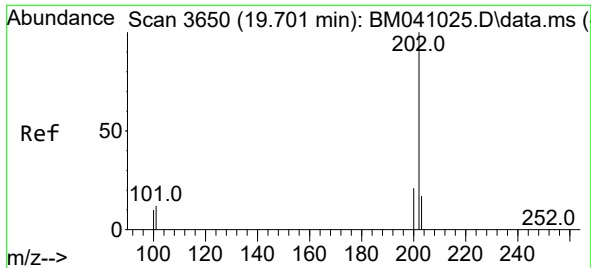
Ion Ratio Lower Upper

202 100

101 10.1 11.0 16.4#

100 8.0 8.3 12.5#

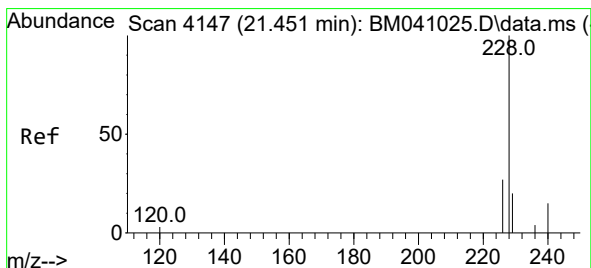
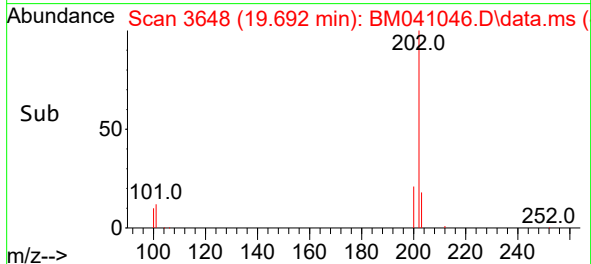
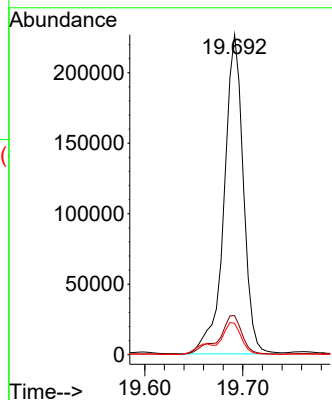
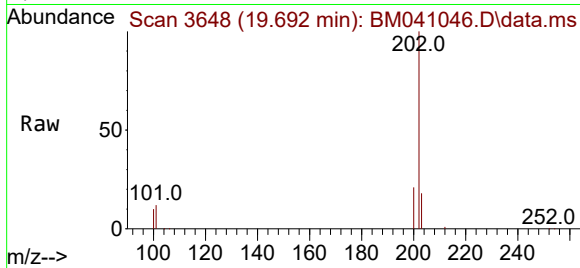




#20
Pyrene
Concen: 4.221 ng/ul
RT: 19.692 min Scan# 30
Delta R.T. -0.004 min
Lab File: BM041046.D
Acq: 22 Jul 2023 09:38

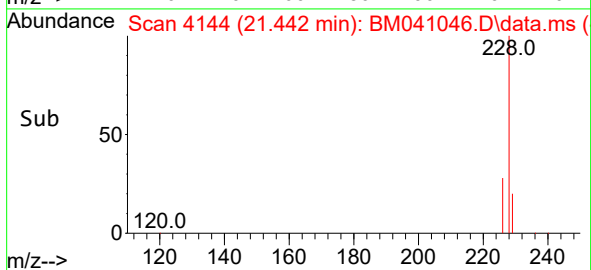
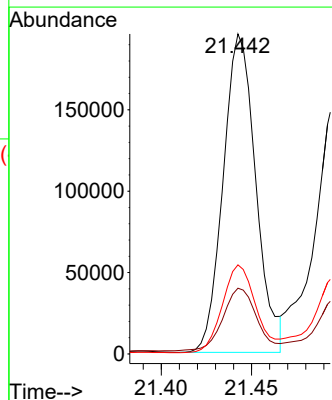
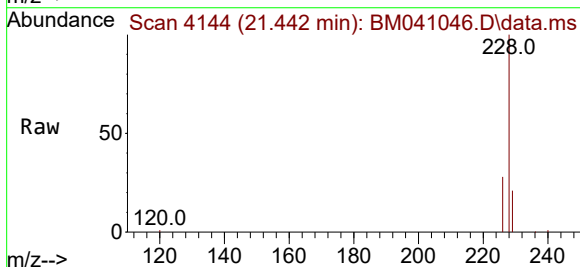
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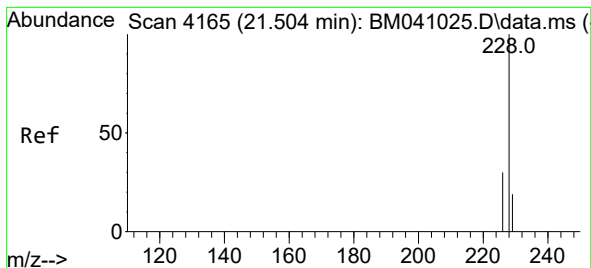
Tgt Ion:202 Resp: 308957
Ion Ratio Lower Upper
202 100
101 12.2 12.5 18.7#
100 9.8 10.0 15.0#



#21
Benzo(a)anthracene
Concen: 5.815 ng/ul
RT: 21.442 min Scan# 4144
Delta R.T. -0.006 min
Lab File: BM041046.D
Acq: 22 Jul 2023 09:38

Tgt Ion:228 Resp: 245806
Ion Ratio Lower Upper
228 100
229 20.6 16.2 24.4
226 27.8 22.3 33.5





#22

Chrysene

Concen: 4.539 ng/ul

RT: 21.495 min Scan# 4165

Delta R.T. -0.006 min

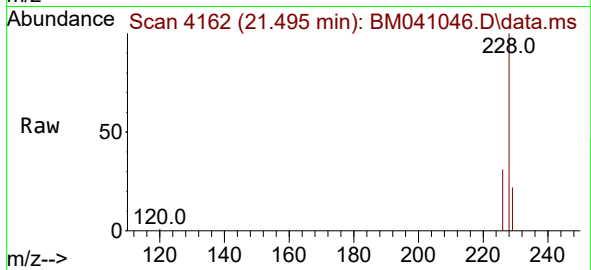
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Acq: 22 Jul 2023 09:38

Instrument :

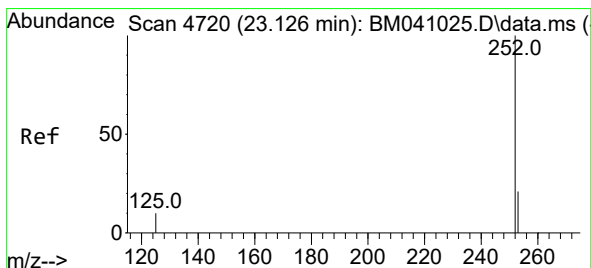
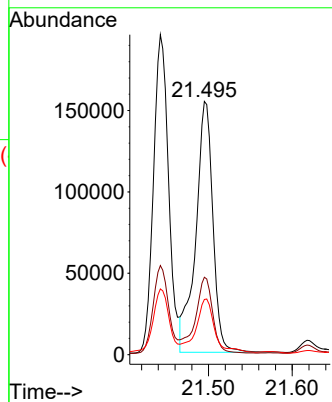
BNA_M

ClientSampleId :



Tgt Ion:228 Resp: 219341

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.6	37.0
229	21.8	16.1	24.1



#24

Benzo(b)fluoranthene

Concen: 4.768 ng/ul

RT: 23.120 min Scan# 4718

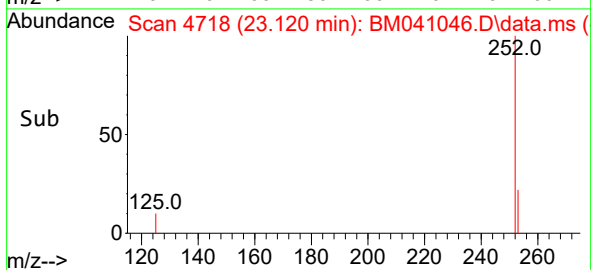
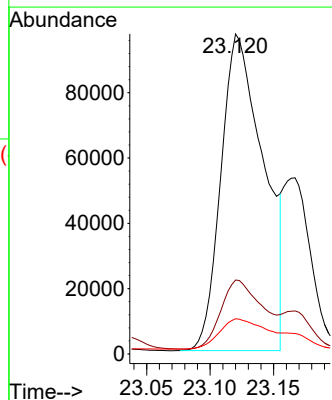
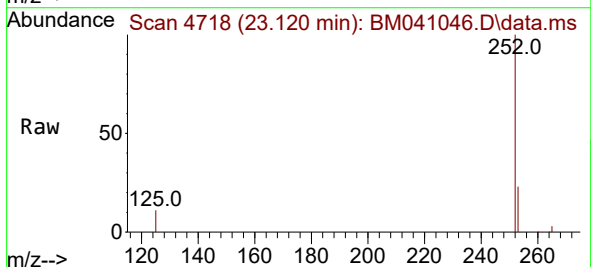
Delta R.T. -0.006 min

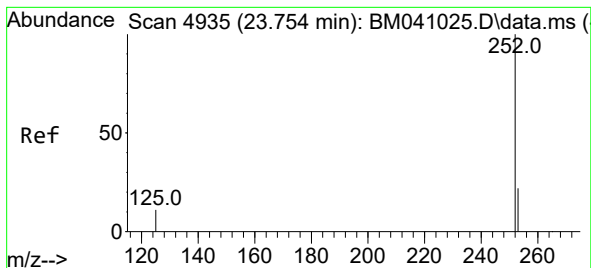
Lab File: BM041046.D

Acq: 22 Jul 2023 09:38

Tgt Ion:252 Resp: 226432

Ion	Ratio	Lower	Upper
252	100		
253	23.1	0.0	57.4
125	11.0	0.0	45.2





#26

Benzo(a)pyrene

Concen: 0.867 ng/ul

RT: 23.743 min Scan# 4935

Delta R.T. -0.006 min

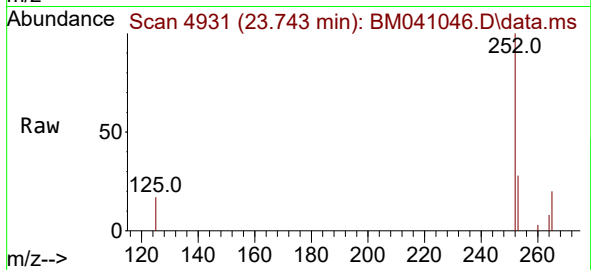
Lab File: BM041046.D

Acq: 22 Jul 2023 09:38

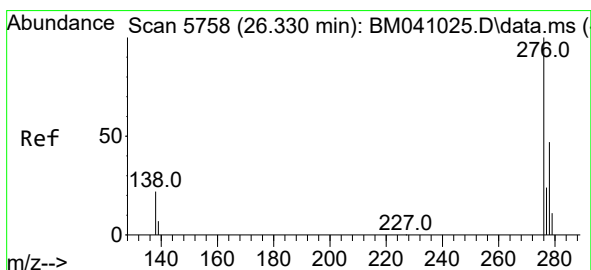
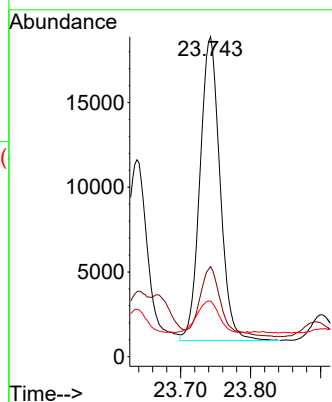
Instrument :

BNA_M

ClientSampleId :



Tgt Ion:	252	Resp:	35548
Ion Ratio	Lower	Upper	
252	100		
253	28.2	28.2	42.2#
125	17.4	25.2	37.8#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.849 ng/ul

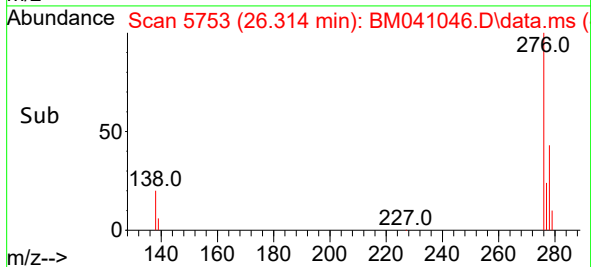
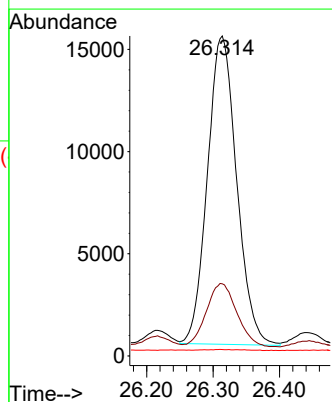
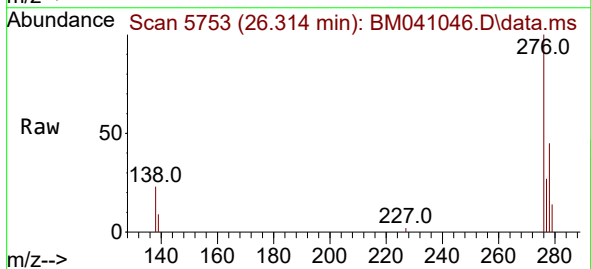
RT: 26.314 min Scan# 5753

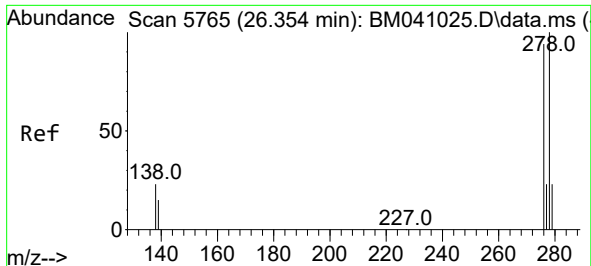
Delta R.T. -0.013 min

Lab File: BM041046.D

Acq: 22 Jul 2023 09:38

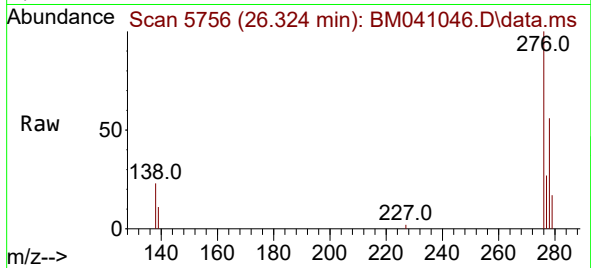
Tgt Ion:	276	Resp:	46205
Ion Ratio	Lower	Upper	
276	100		
138	21.5	22.3	33.5#
227	0.3	0.0	0.0#



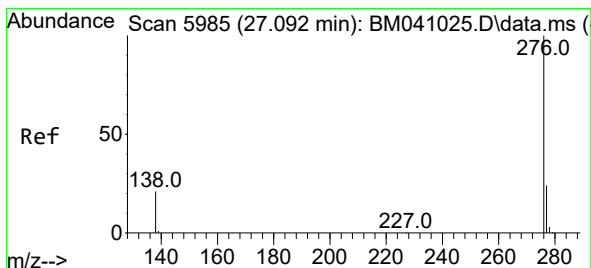
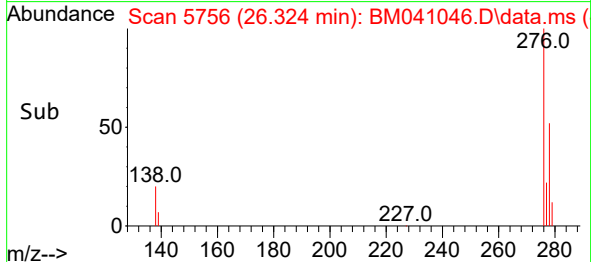
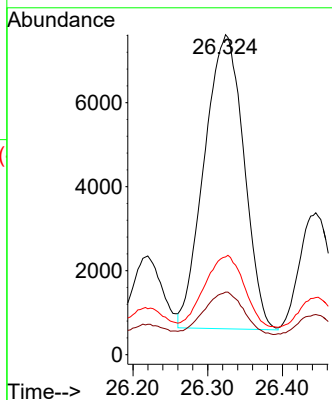


#28
 Dibenzo(a,h)anthracene
 Concen: 0.625 ng/ul
 RT: 26.324 min Scan# 51
 Delta R.T. -0.023 min
 Lab File: BM041046.D
 Acq: 22 Jul 2023 09:38

Instrument :
 BNA_M
 ClientSampleId :



Tgt Ion:278 Resp: 25750
 Ion Ratio Lower Upper
 278 100
 139 19.5 19.2 28.8
 279 30.6 27.0 40.6



#29
 Benzo(g,h,i)perylene
 Concen: 0.053 ng/ul
 RT: 27.075 min Scan# 5980
 Delta R.T. -0.010 min
 Lab File: BM041046.D
 Acq: 22 Jul 2023 09:38

Tgt Ion:276 Resp: 2672
 Ion Ratio Lower Upper
 276 100
 138 53.1 22.6 34.0#
 277 54.0 21.2 31.8#

