

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041118.D
 Acq On : 25 Jul 2023 22:40
 Operator : MA/JU
 Sample : 03540-01DL 5X
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4728DL

Quant Time: Jul 26 04:42:05 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 : Wed Jul 26 04:20:13 2023
 Response via : Initial Calibration

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

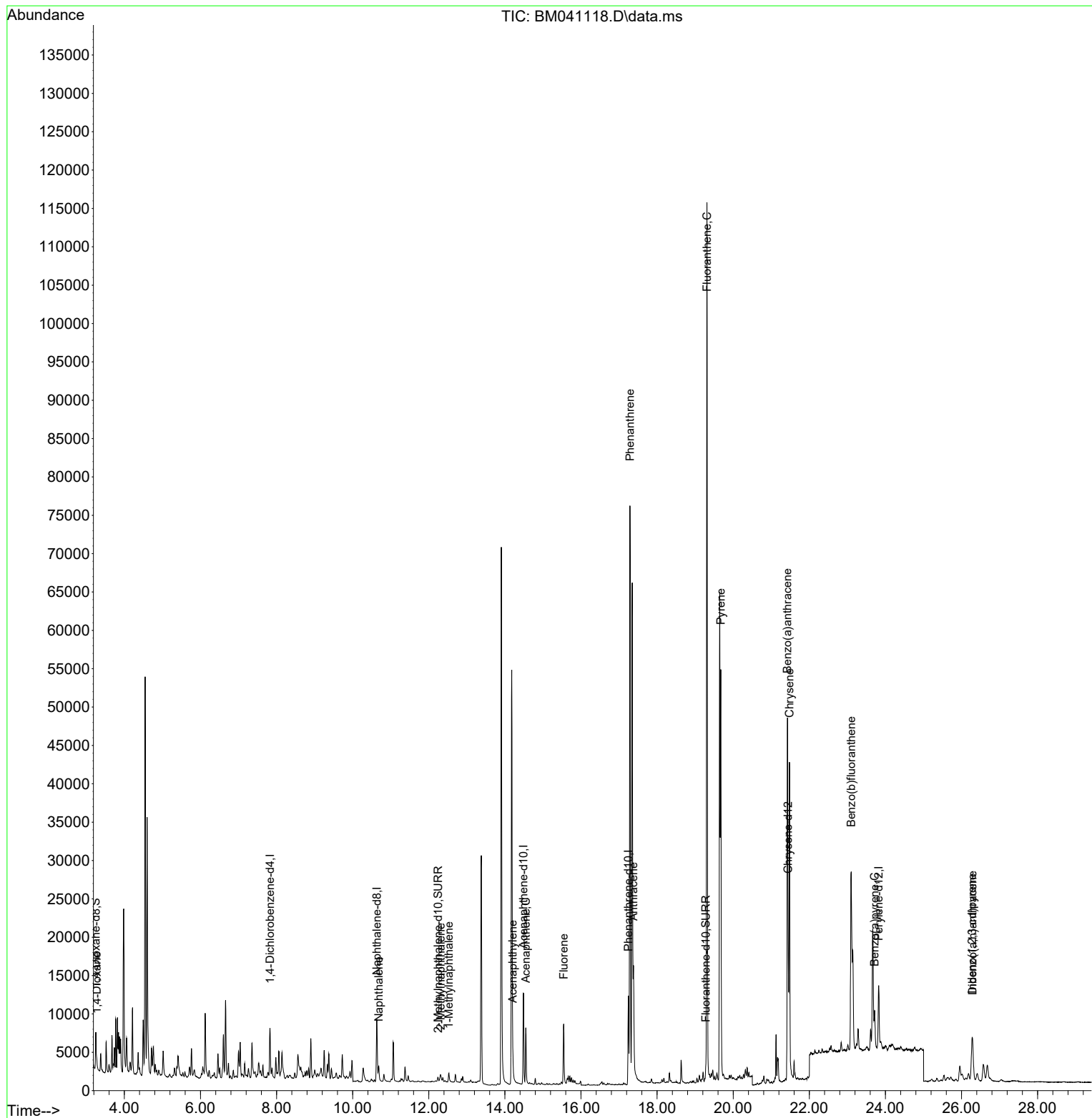
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	3745	0.400	ng/ul	0.00
4) Naphthalene-d8	10.636	136	12852	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.490	164	6864	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.244	188	13916	0.400	ng/ul	0.00
17) Chrysene-d12	21.442	240	11600	0.400	ng/ul	0.00
23) Perylene-d12	23.822	264	11795	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.250	96	2916	0.505	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.242	152	1160	0.063	ng/ul	0.00
18) Fluoranthene-d10	19.278	212	2256	0.071	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.275	88	253	0.043	ng/ul#	1
5) Naphthalene	10.686	128	2731	0.065	ng/ul#	91
7) 2-Methylnaphthalene	12.313	142	947	0.046	ng/ul	99
8) 1-Methylnaphthalene	12.528	142	946	0.045	ng/ul	97
10) Acenaphthylene	14.208	152	2538	0.088	ng/ul#	90
11) Acenaphthene	14.550	153	4384	0.179	ng/ul	99
12) Fluorene	15.545	166	5374	0.201	ng/ul	99
15) Phenanthrene	17.286	178	77941	1.817	ng/ul	98
16) Anthracene	17.379	178	15184	0.437	ng/ul	98
19) Fluoranthene	19.311	202	98414	2.367	ng/ul	97
20) Pyrene	19.673	202	47385	1.034	ng/ul	99
21) Benzo(a)anthracene	21.425	228	41128	1.061	ng/ul	100
22) Chrysene	21.477	228	38040	0.849	ng/ul	98
24) Benzo(b)fluoranthene	23.100	252	41108	0.875	ng/ul	94
26) Benzo(a)pyrene	23.716	252	6950	0.183	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	26.277	276	8984	0.159	ng/ul#	97
28) Dibenzo(a,h)anthracene	26.290	278	4821	0.109	ng/ul#	79

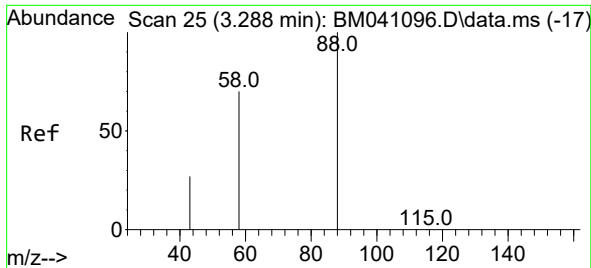
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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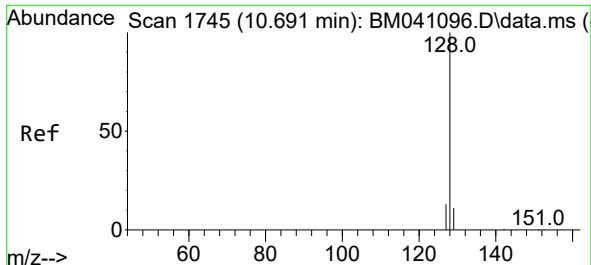
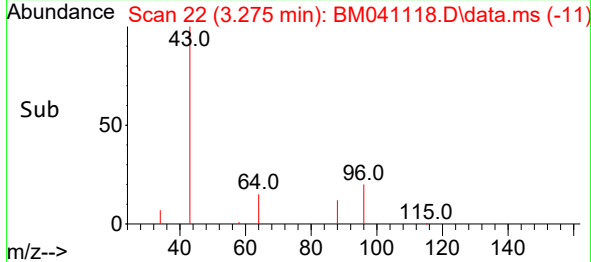
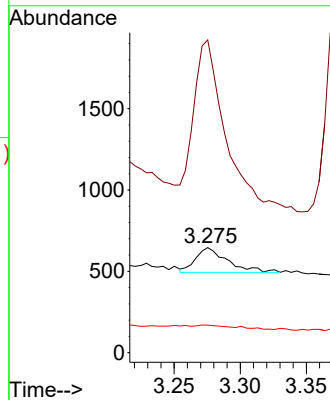
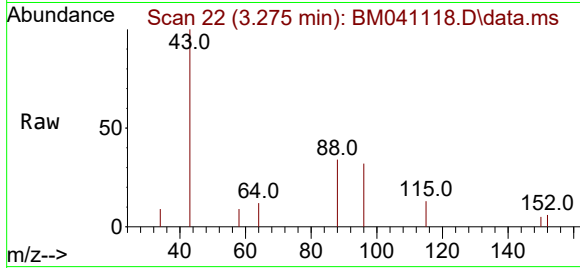




#2
1,4-Dioxane
Concen: 0.043 ng/ul
RT: 3.275 min Scan# 21
Delta R.T. -0.013 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40

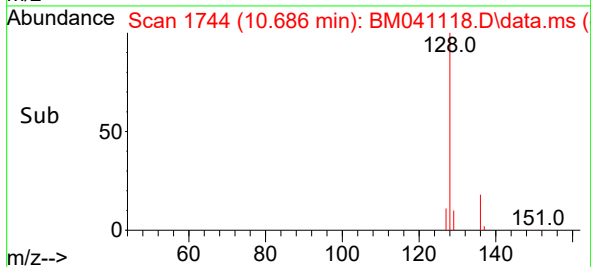
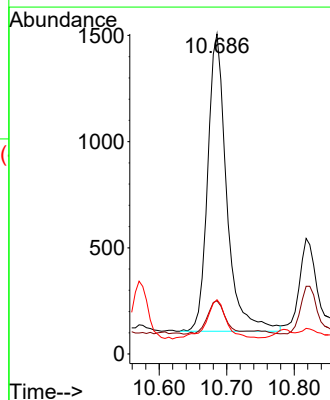
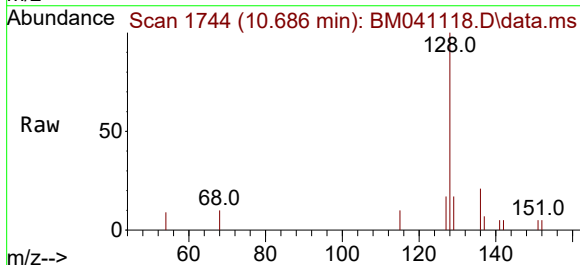
Instrument :
BNA_P
ClientSampleId :
A4728DL

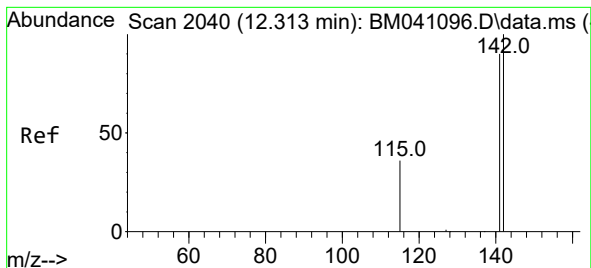
Tgt Ion: 88 Resp: 253
Ion Ratio Lower Upper
88 100
43 297.7 83.1 124.7#
58 26.2 38.8 58.2#



#5
Naphthalene
Concen: 0.065 ng/ul
RT: 10.686 min Scan# 1744
Delta R.T. -0.006 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40

Tgt Ion: 128 Resp: 2731
Ion Ratio Lower Upper
128 100
129 16.6 9.8 14.8#
127 17.0 11.1 16.7#

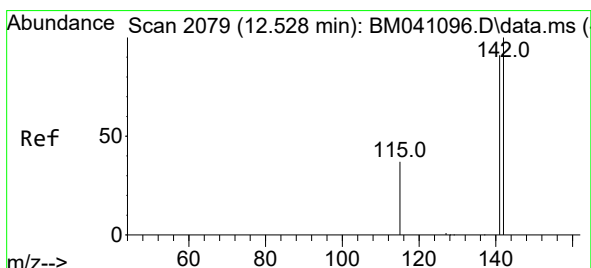
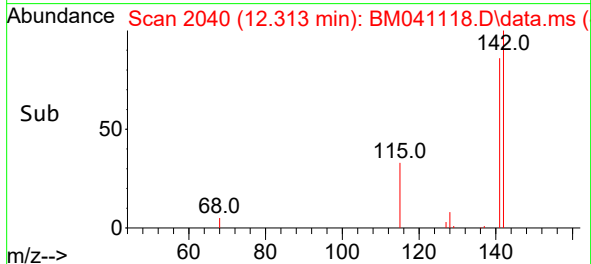
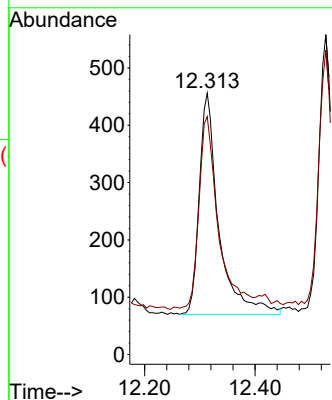
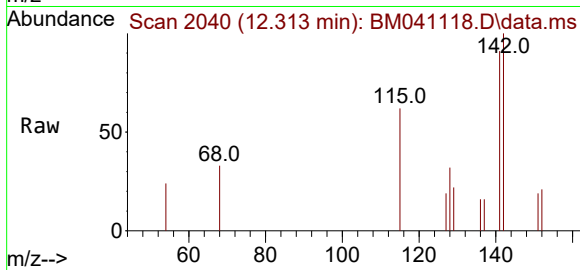




#7
2-Methylnaphthalene
Concen: 0.046 ng/ul
RT: 12.313 min Scan# 2040
Delta R.T. -0.000 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40

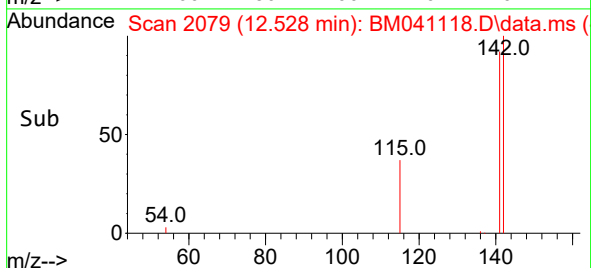
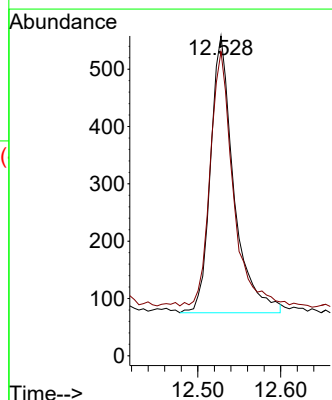
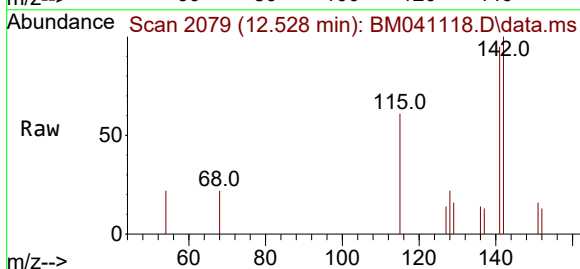
Instrument :
BNA_P
ClientSampleId :
A4728DL

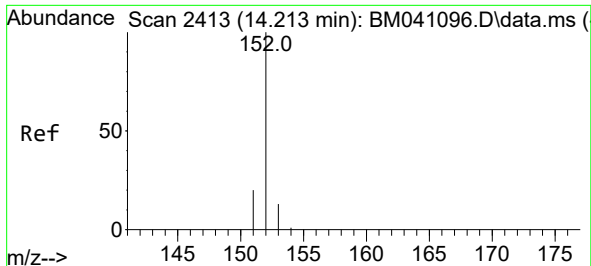
Tgt Ion:142 Resp: 947
Ion Ratio Lower Upper
142 100
141 92.3 73.3 109.9



#8
1-Methylnaphthalene
Concen: 0.045 ng/ul
RT: 12.528 min Scan# 2079
Delta R.T. -0.000 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40

Tgt Ion:142 Resp: 946
Ion Ratio Lower Upper
142 100
141 89.4 73.6 110.4

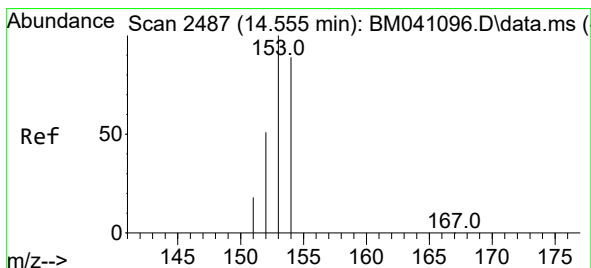
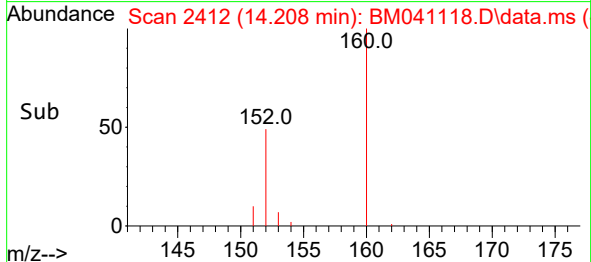
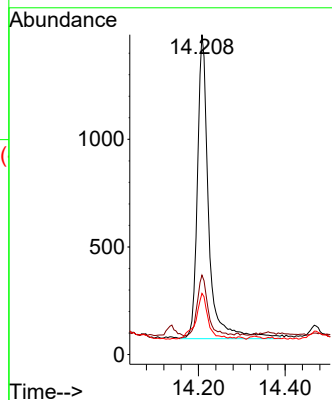
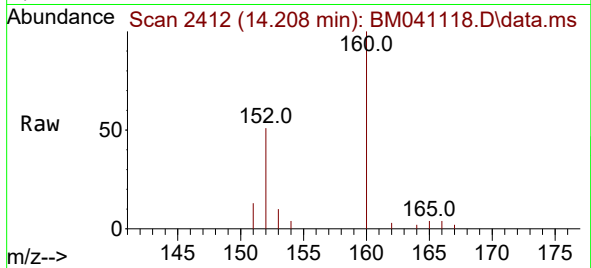




#10
Acenaphthylene
Concen: 0.088 ng/ul
RT: 14.208 min Scan# 2412
Delta R.T. -0.005 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40

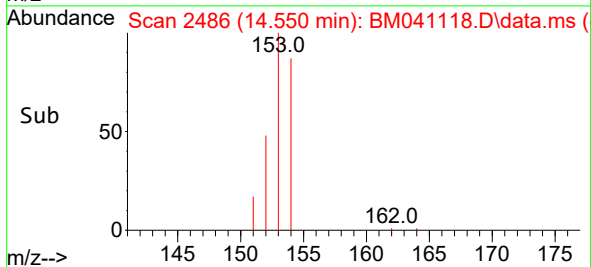
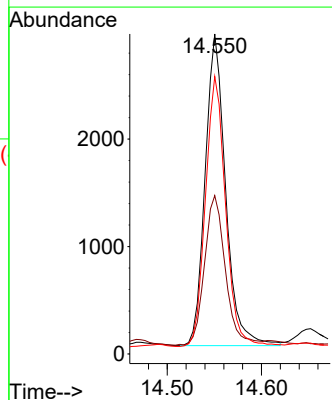
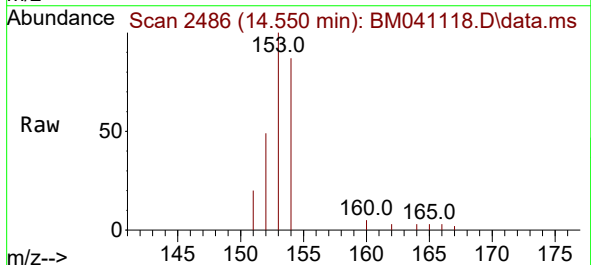
Instrument :
BNA_P
ClientSampleId :
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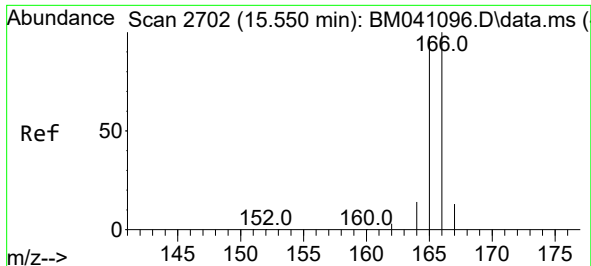
Tgt Ion:152 Resp: 2538
Ion Ratio Lower Upper
152 100
151 24.8 16.8 25.2
153 19.1 11.4 17.2#



#11
Acenaphthene
Concen: 0.179 ng/ul
RT: 14.550 min Scan# 2486
Delta R.T. -0.005 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40

Tgt Ion:153 Resp: 4384
Ion Ratio Lower Upper
153 100
152 49.5 40.2 60.4
154 86.7 70.3 105.5

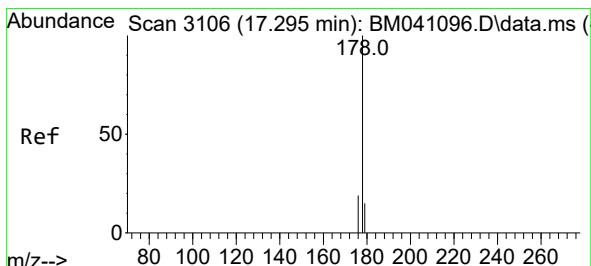
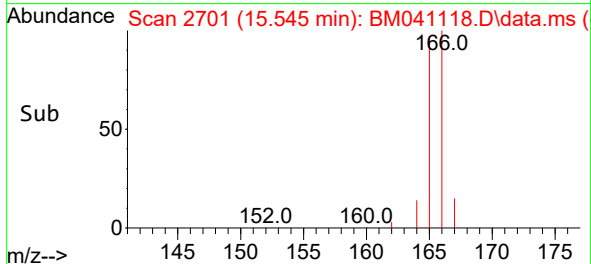
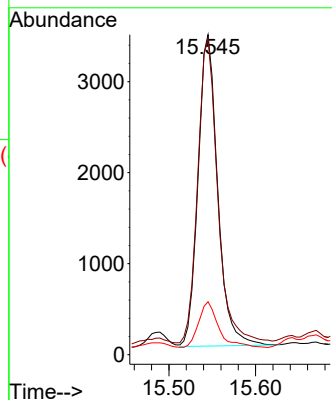
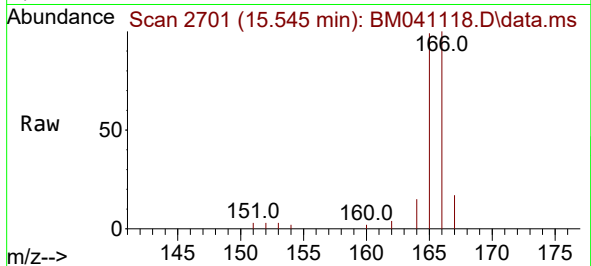




#12
Fluorene
Concen: 0.201 ng/ul
RT: 15.545 min Scan# 211
Delta R.T. -0.005 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40

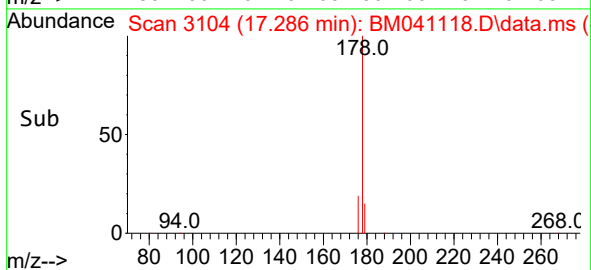
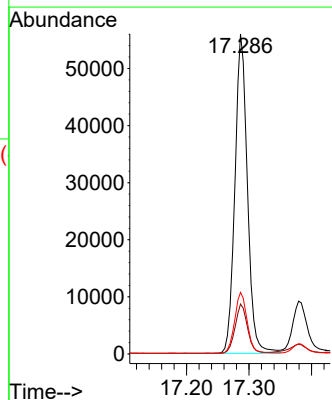
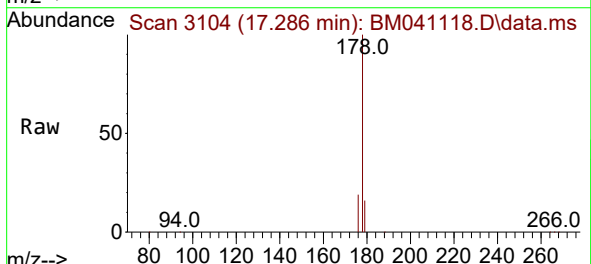
Instrument :
BNA_P
ClientSampleId :
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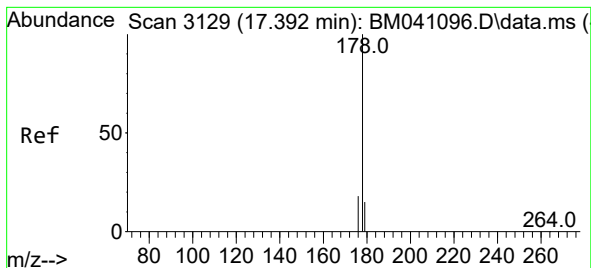
Tgt Ion:166 Resp: 5374
Ion Ratio Lower Upper
166 100
165 98.5 79.4 119.0
167 16.6 11.4 17.2



#15
Phenanthrene
Concen: 1.817 ng/ul
RT: 17.286 min Scan# 3104
Delta R.T. -0.009 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40

Tgt Ion:178 Resp: 77941
Ion Ratio Lower Upper
178 100
179 15.6 13.4 20.2
176 19.2 16.0 24.0





#16

Anthracene

Concen: 0.437 ng/ul

RT: 17.379 min Scan# 3129

Delta R.T. -0.013 min

Lab File: BM041118.D

Acq: 25 Jul 2023 22:40

Instrument :

BNA_P

ClientSampleId :

A4728DL

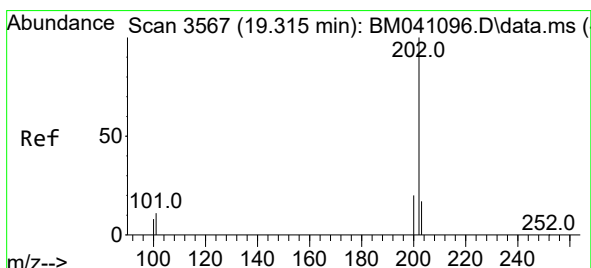
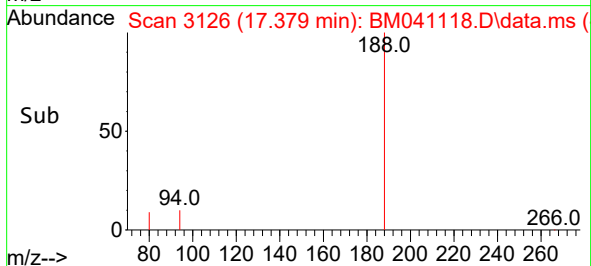
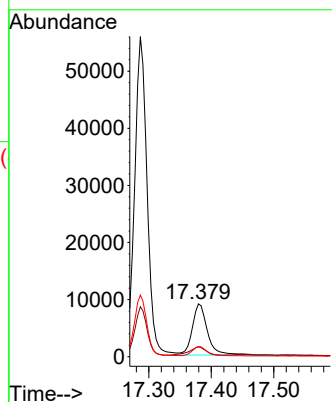
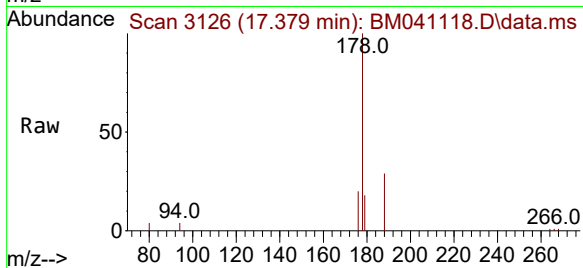
Tgt Ion:178 Resp: 15184

Ion Ratio Lower Upper

178 100

179 18.4 13.6 20.4

176 19.5 16.0 24.0



#19

Fluoranthene

Concen: 2.367 ng/ul

RT: 19.311 min Scan# 3566

Delta R.T. -0.005 min

Lab File: BM041118.D

Acq: 25 Jul 2023 22:40

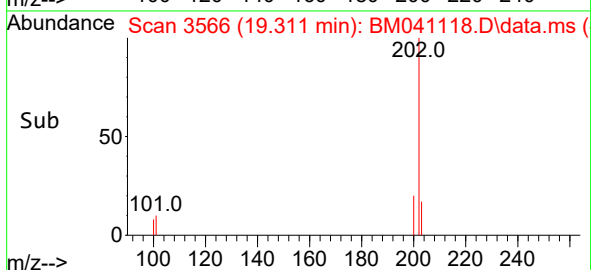
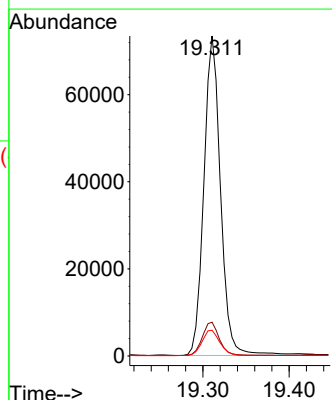
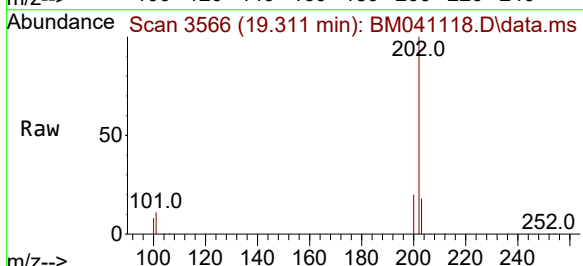
Tgt Ion:202 Resp: 98414

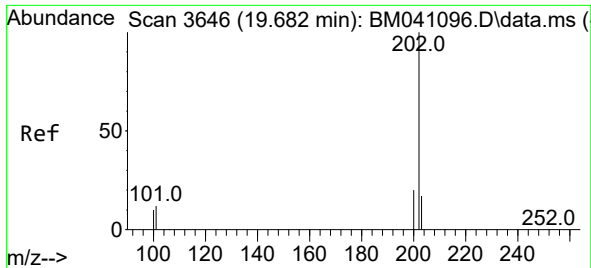
Ion Ratio Lower Upper

202 100

101 10.6 9.4 14.0

100 8.1 7.1 10.7

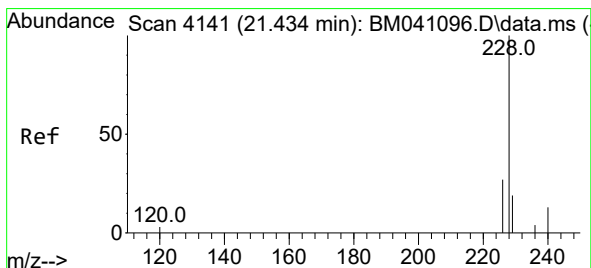
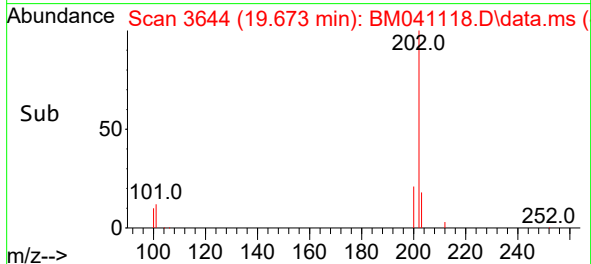
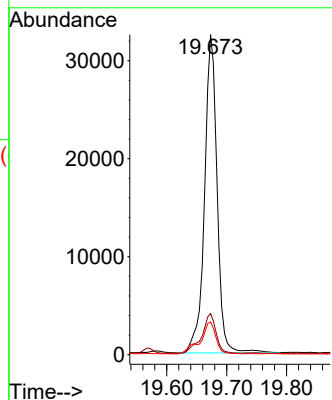
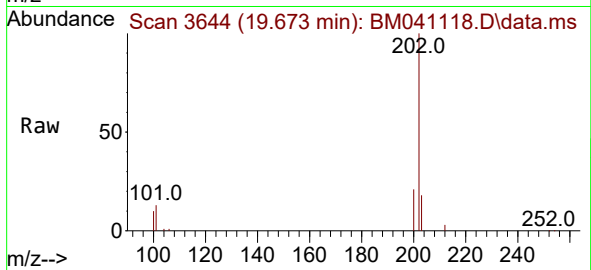




#20
Pyrene
Concen: 1.034 ng/ul
RT: 19.673 min Scan# 30
Delta R.T. -0.009 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40

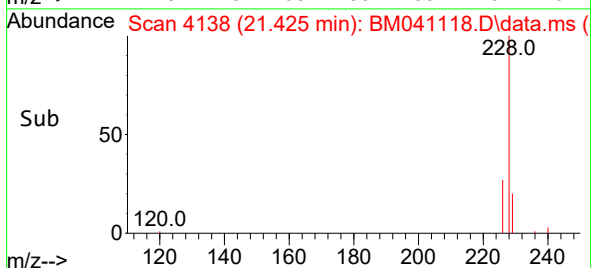
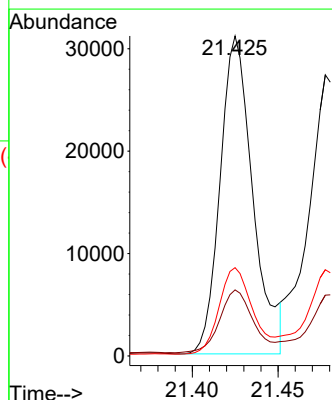
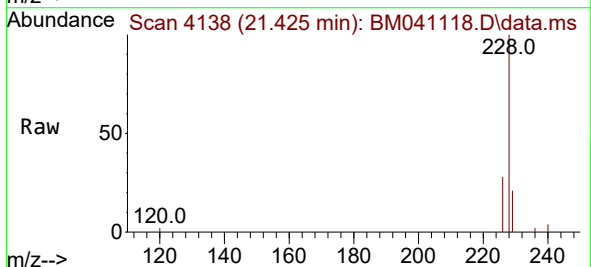
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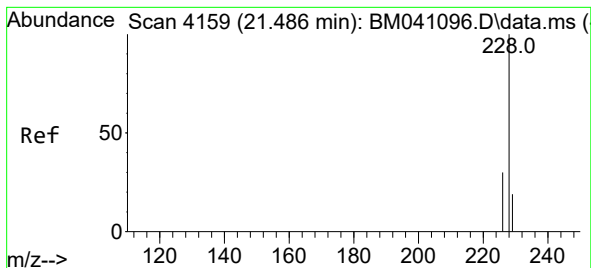
Tgt Ion:202 Resp: 47385
Ion Ratio Lower Upper
202 100
101 12.8 10.7 16.1
100 10.3 8.5 12.7



#21
Benzo(a)anthracene
Concen: 1.061 ng/ul
RT: 21.425 min Scan# 4138
Delta R.T. -0.009 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40

Tgt Ion:228 Resp: 41128
Ion Ratio Lower Upper
228 100
229 20.6 16.5 24.7
226 27.6 22.2 33.2





#22

Chrysene

Concen: 0.849 ng/ul

RT: 21.477 min Scan# 41

Delta R.T. -0.009 min

Lab File: BM041118.D

Acq: 25 Jul 2023 22:40

Instrument :

BNA_P

ClientSampleId :

A4728DL

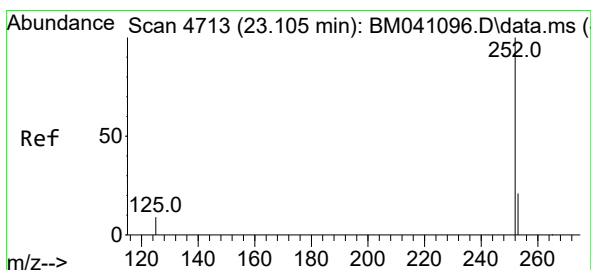
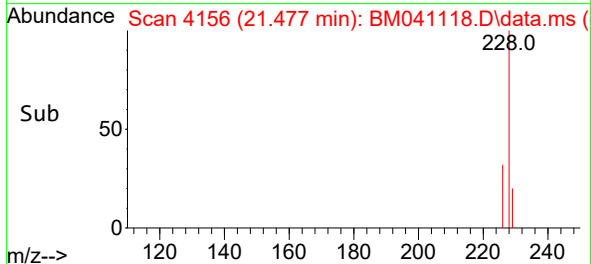
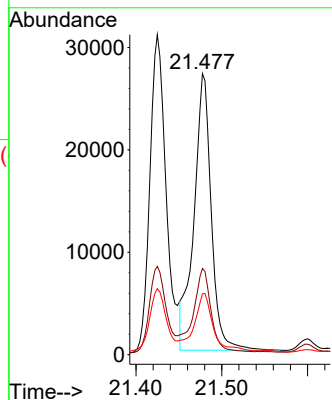
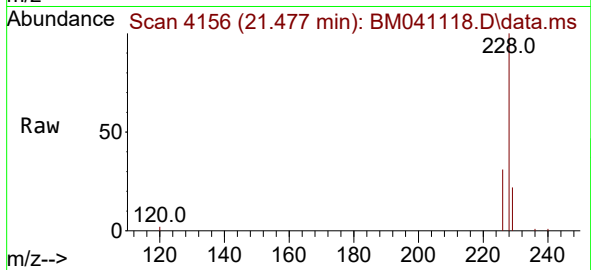
Tgt Ion:228 Resp: 38040

Ion Ratio Lower Upper

228 100

226 30.7 24.2 36.4

229 21.6 15.9 23.9



#24

Benzo(b)fluoranthene

Concen: 0.875 ng/ul

RT: 23.100 min Scan# 4711

Delta R.T. -0.006 min

Lab File: BM041118.D

Acq: 25 Jul 2023 22:40

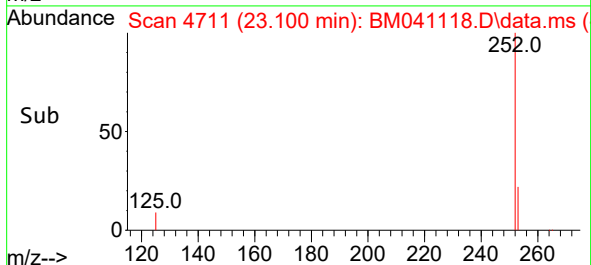
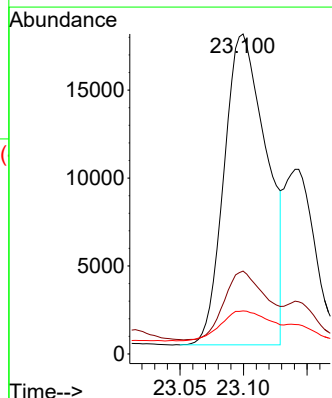
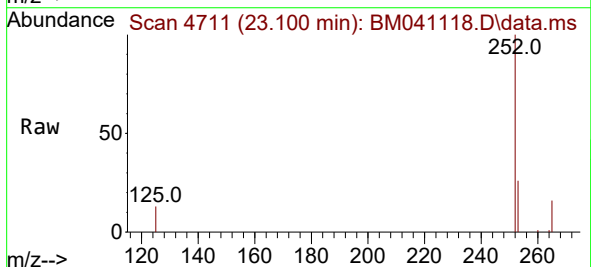
Tgt Ion:252 Resp: 41108

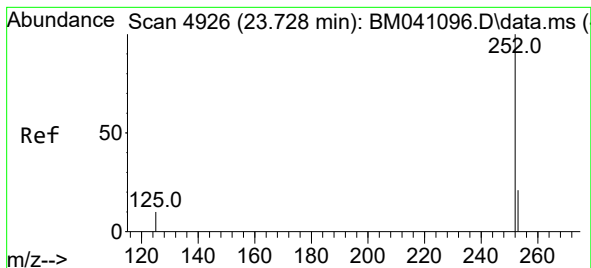
Ion Ratio Lower Upper

252 100

253 25.9 0.0 57.6

125 13.5 0.0 33.6





#26

Benzo(a)pyrene

Concen: 0.183 ng/ul

RT: 23.716 min Scan# 4922

Delta R.T. -0.012 min

Lab File: BM041118.D

Acq: 25 Jul 2023 22:40

Instrument :

BNA_P

ClientSampleId :

A4728DL

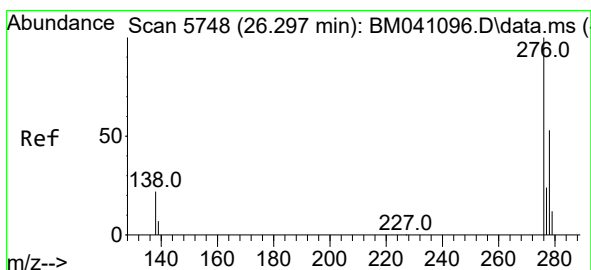
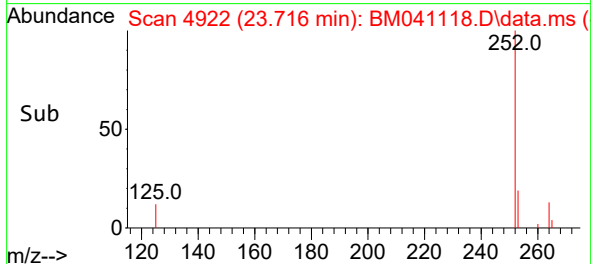
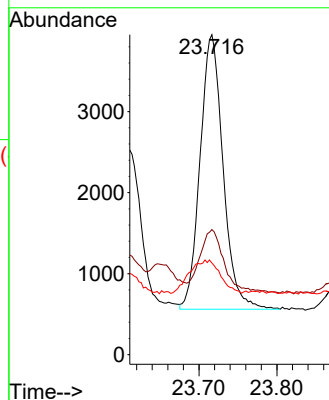
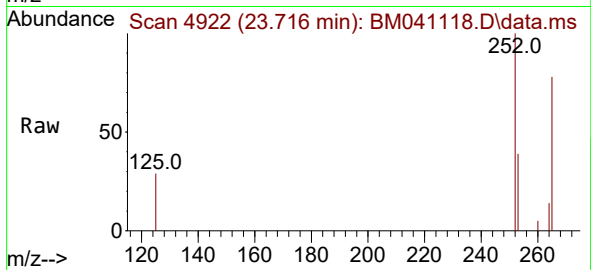
Tgt Ion:252 Resp: 6950

Ion Ratio Lower Upper

252 100

253 39.1 26.7 40.1

125 28.6 18.1 27.1#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.159 ng/ul

RT: 26.277 min Scan# 5742

Delta R.T. -0.020 min

Lab File: BM041118.D

Acq: 25 Jul 2023 22:40

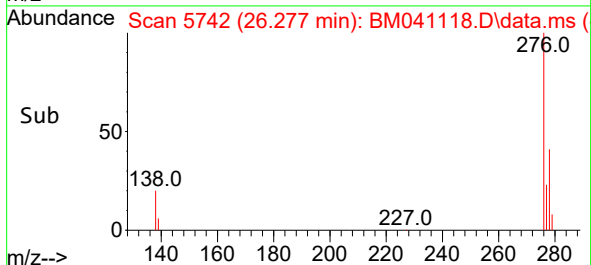
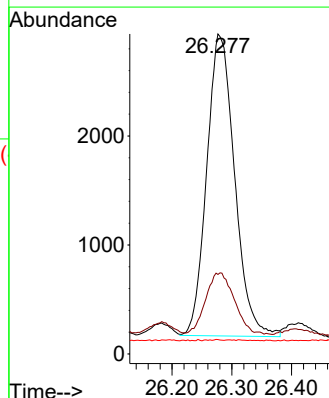
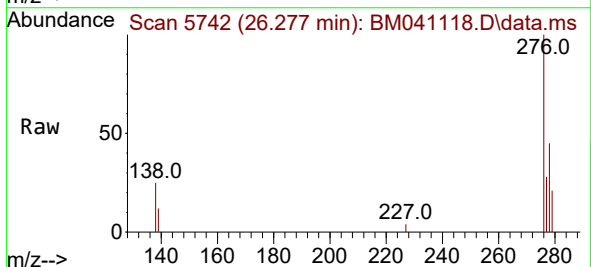
Tgt Ion:276 Resp: 8984

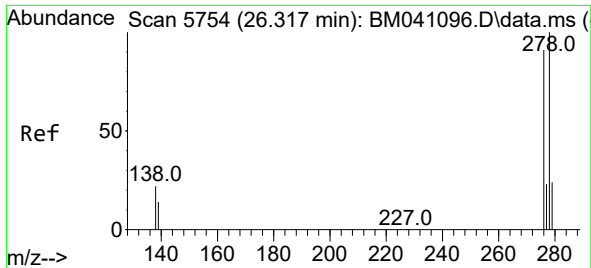
Ion Ratio Lower Upper

276 100

138 21.2 18.1 27.1

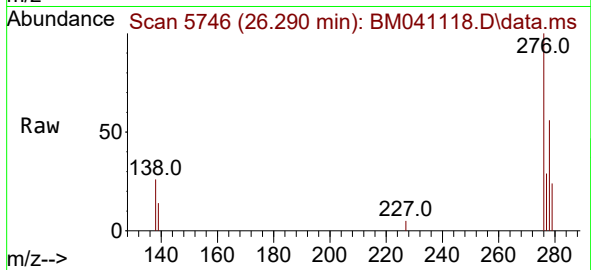
227 0.1 0.2 0.2#





#28
Dibenzo(a,h)anthracene
Concen: 0.109 ng/ul
RT: 26.290 min Scan# 51
Delta R.T. -0.027 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40

Instrument :
BNA_P
ClientSampleId :
A4728DL



Tgt Ion:278 Resp: 4821
Ion Ratio Lower Upper
278 100
139 25.6 14.1 21.1#
279 43.9 25.0 37.4#

