

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062623\
 Data File : BM040406.D
 Acq On : 26 Jun 2023 17:56
 Operator : MA/JU
 Sample : 03084-21MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFQ7MS

Quant Time: Jun 27 04:26:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 23 00:44:24 2023
 Response via : Initial Calibration

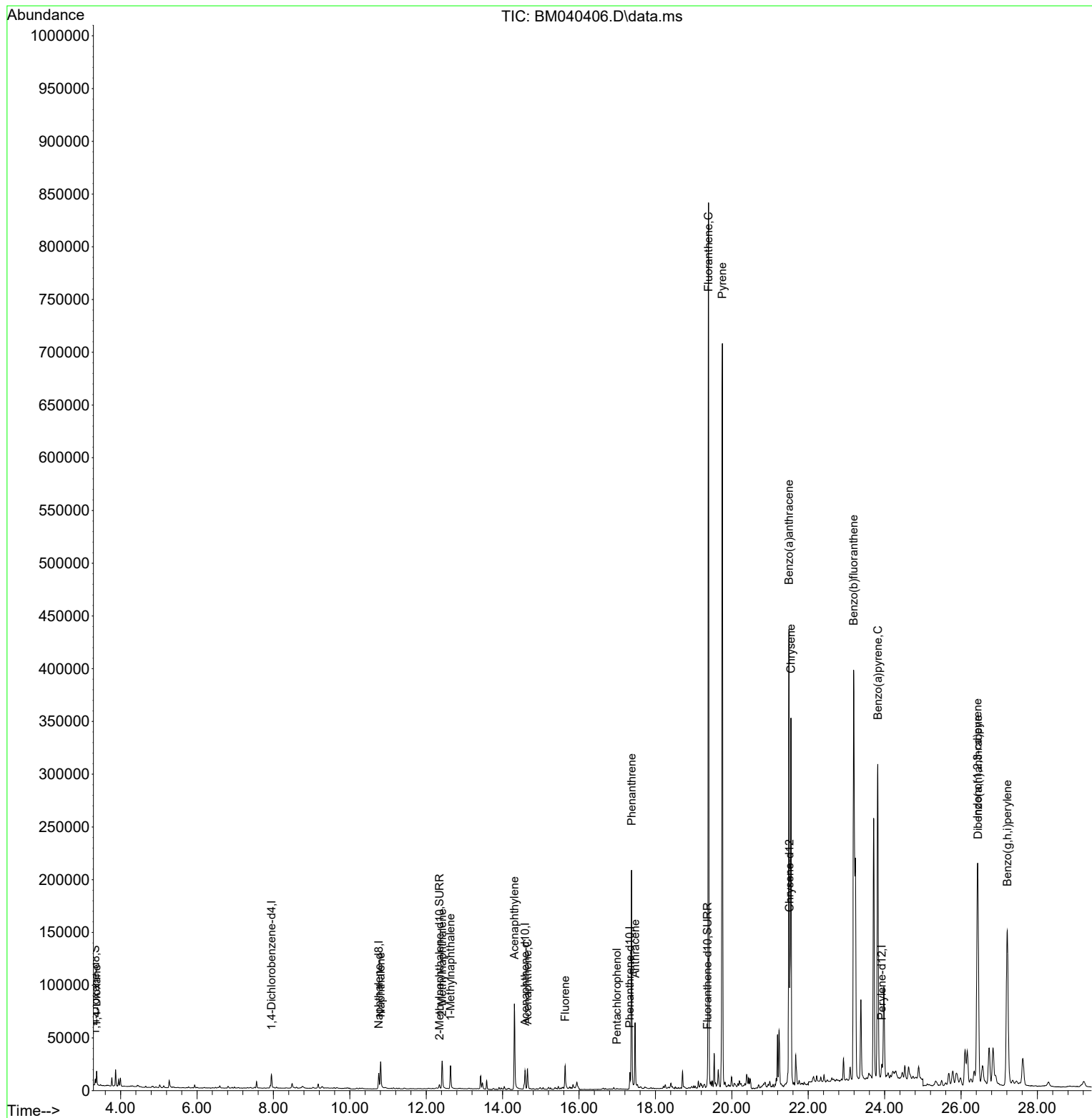
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.949	152	7363	0.400	ng/ul	0.00
4) Naphthalene-d8	10.756	136	23814	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.587	164	10155	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.332	188	18798	0.400	ng/ul	0.00
17) Chrysene-d12	21.509	240	13779	0.400	ng/ul	0.00
23) Perylene-d12	23.926	264	20006	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.338	96	3237	0.280	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.345	152	5820	0.174	ng/ul	0.00
18) Fluoranthene-d10	19.361	212	8952	0.203	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.371	88	8082	0.687	ng/ul	91
5) Naphthalene	10.806	128	39657	0.604	ng/ul	100
7) 2-Methylnaphthalene	12.417	142	22056	0.572	ng/ul	98
8) 1-Methylnaphthalene	12.637	142	16521	0.429	ng/ul	99
10) Acenaphthylene	14.309	152	106405	2.346	ng/ul	99
11) Acenaphthene	14.651	153	12169	0.318	ng/ul	99
12) Fluorene	15.637	166	14855	0.363	ng/ul	99
14) Pentachlorophenol	16.990	266	655	0.181	ng/ul#	89
15) Phenanthrene	17.375	178	223667	3.831	ng/ul	98
16) Anthracene	17.467	178	74658	1.522	ng/ul	99
19) Fluoranthene	19.389	202	685929	11.719	ng/ul	94
20) Pyrene	19.751	202	603970	9.625	ng/ul	97
21) Benzo(a)anthracene	21.494	228	357855	7.678	ng/ul	98
22) Chrysene	21.547	228	356953	6.714	ng/ul	98
24) Benzo(b)fluoranthene	23.190	252	660845	8.536	ng/ul	88
26) Benzo(a)pyrene	23.821	252	439337	6.300	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	26.434	276	365750	3.766	ng/ul#	88
28) Dibenzo(a,h)anthracene	26.444	278	97032	1.276	ng/ul	98
29) Benzo(g,h,i)perylene	27.212	276	337473	3.964	ng/ul	95

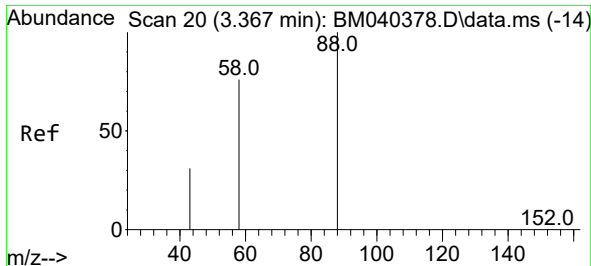
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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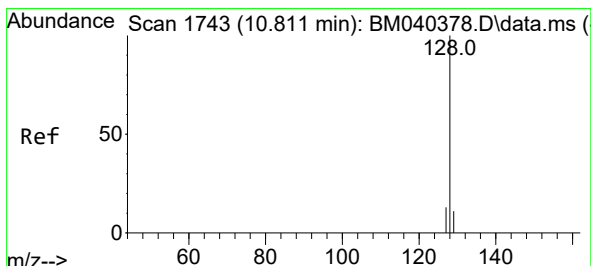
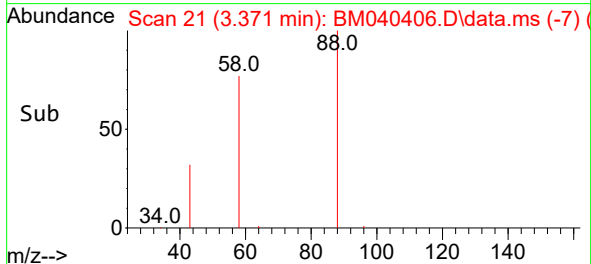
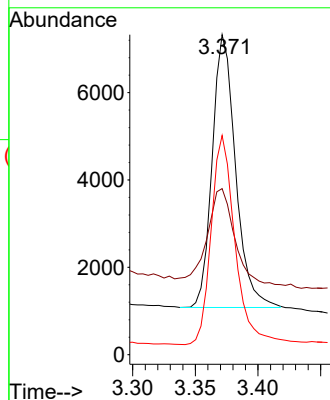
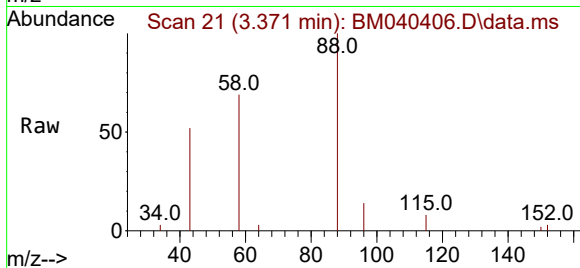




#2
1,4-Dioxane
Concen: 0.687 ng/ul
RT: 3.371 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM040406.D
Acq: 26 Jun 2023 17:56

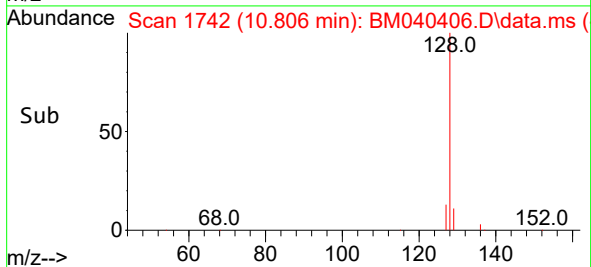
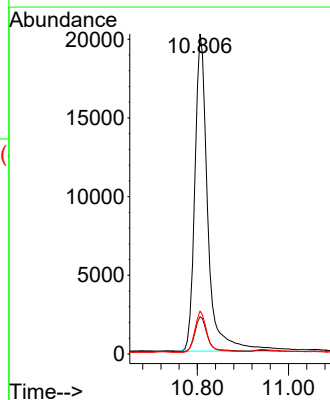
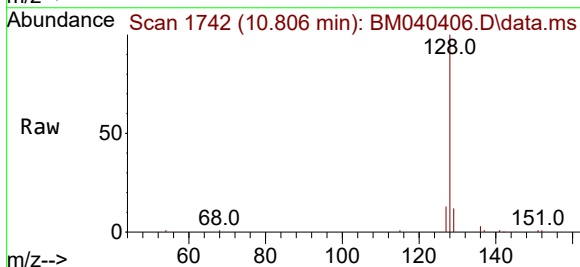
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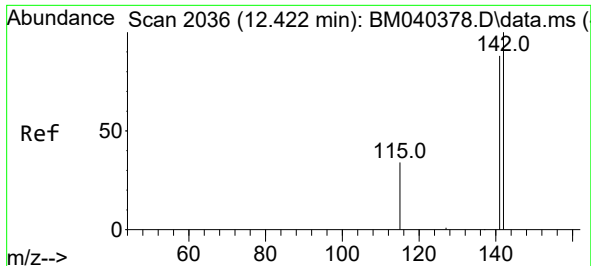
Tgt Ion: 88 Resp: 8082
Ion Ratio Lower Upper
88 100
43 51.9 36.1 54.1
58 68.5 49.8 74.8



#5
Naphthalene
Concen: 0.604 ng/ul
RT: 10.806 min Scan# 1742
Delta R.T. -0.005 min
Lab File: BM040406.D
Acq: 26 Jun 2023 17:56

Tgt Ion: 128 Resp: 39657
Ion Ratio Lower Upper
128 100
129 11.6 9.2 13.8
127 13.3 10.6 15.8

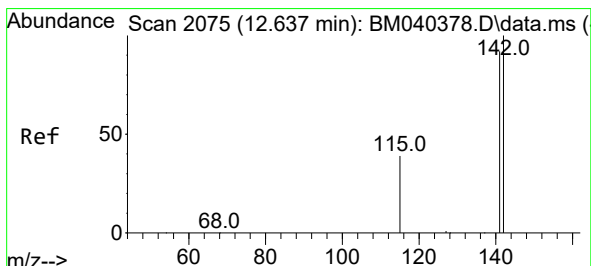
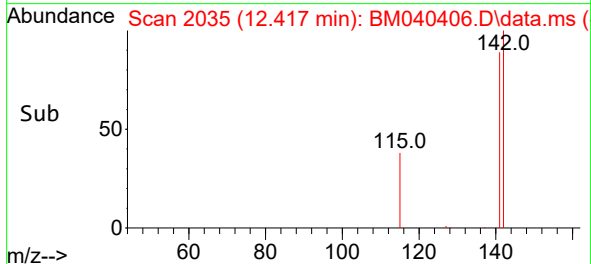
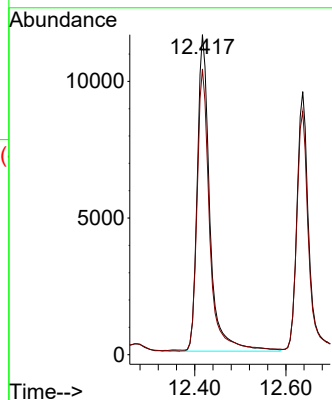
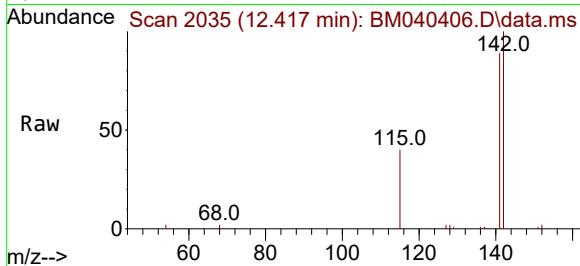




#7
2-Methylnaphthalene
Concen: 0.572 ng/ul
RT: 12.417 min Scan# 2035
Delta R.T. -0.005 min
Lab File: BM040406.D
Acq: 26 Jun 2023 17:56

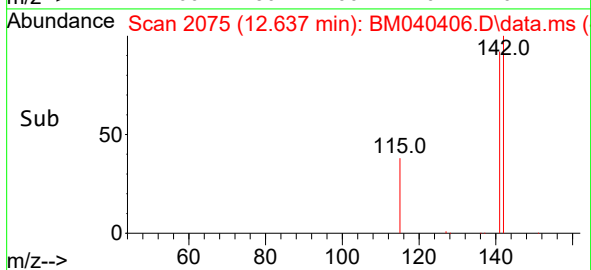
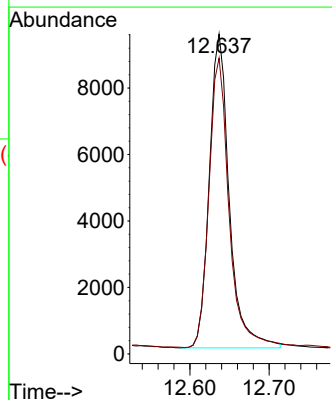
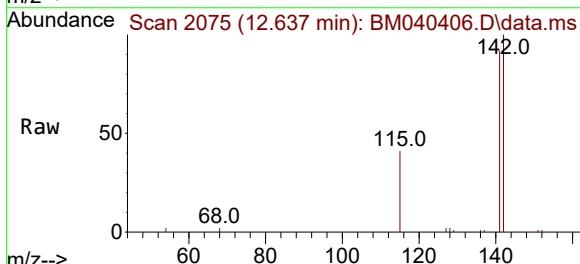
Instrument :
BNA_M
ClientSampleId :
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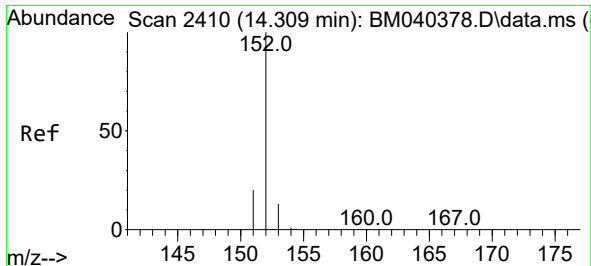
Tgt Ion:142 Resp: 22056
Ion Ratio Lower Upper
142 100
141 88.2 71.9 107.9



#8
1-Methylnaphthalene
Concen: 0.429 ng/ul
RT: 12.637 min Scan# 2075
Delta R.T. -0.005 min
Lab File: BM040406.D
Acq: 26 Jun 2023 17:56

Tgt Ion:142 Resp: 16521
Ion Ratio Lower Upper
142 100
141 92.9 73.7 110.5

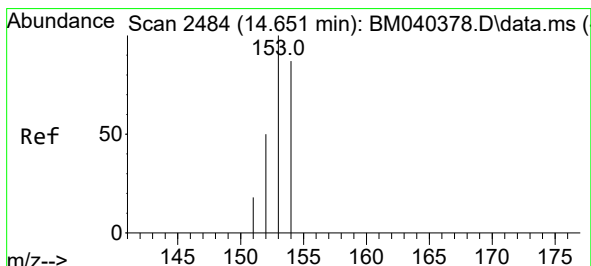
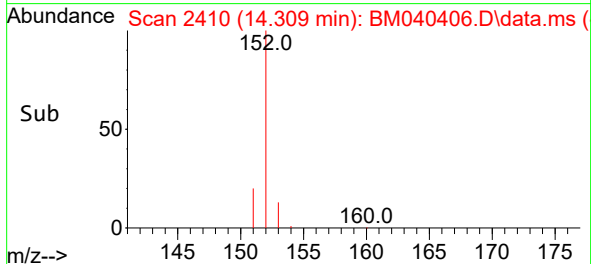
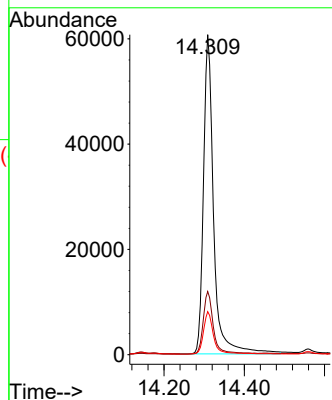
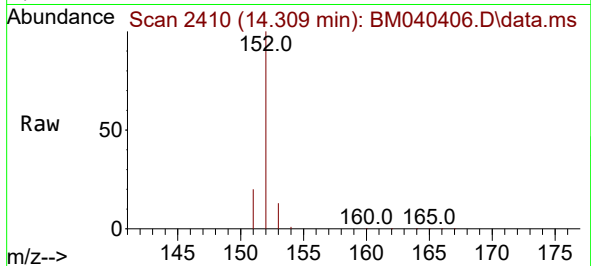




#10
Acenaphthylene
Concen: 2.346 ng/ul
RT: 14.309 min Scan# 2410
Delta R.T. -0.005 min
Lab File: BM040406.D
Acq: 26 Jun 2023 17:56

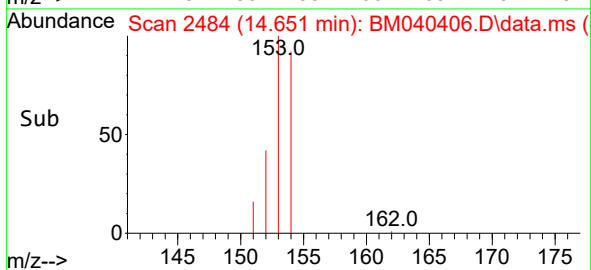
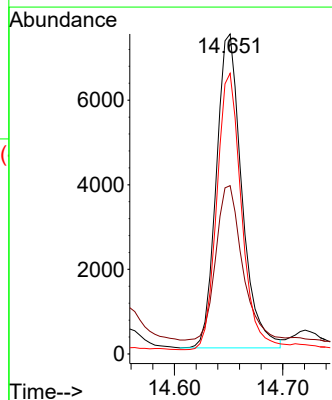
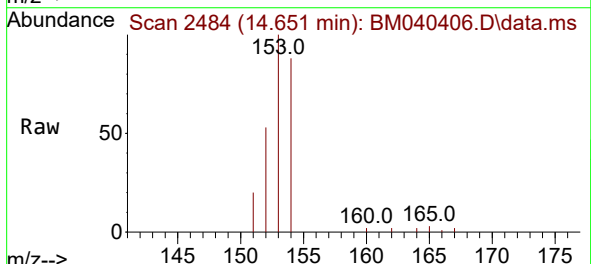
Instrument :
BNA_M
ClientSampleId :
DCFQ7MS

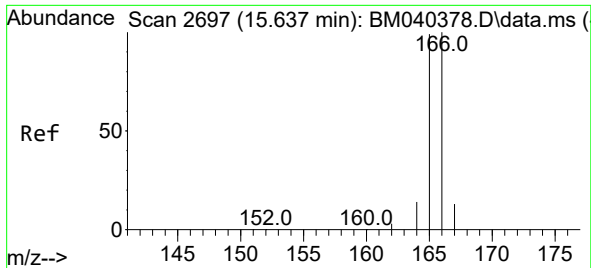
Tgt Ion:152 Resp: 106405
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 13.4 10.9 16.3



#11
Acenaphthene
Concen: 0.318 ng/ul
RT: 14.651 min Scan# 2484
Delta R.T. -0.005 min
Lab File: BM040406.D
Acq: 26 Jun 2023 17:56

Tgt Ion:153 Resp: 12169
Ion Ratio Lower Upper
153 100
152 52.6 41.0 61.4
154 87.7 70.8 106.2

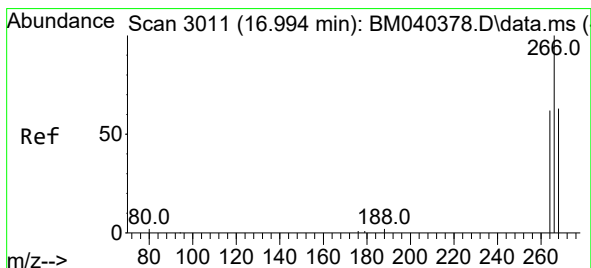
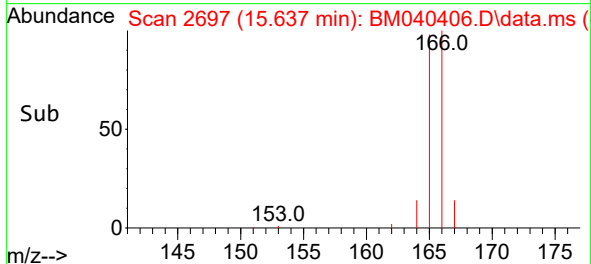
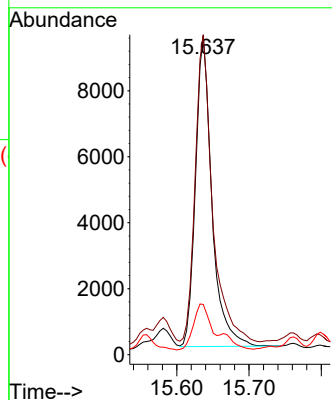
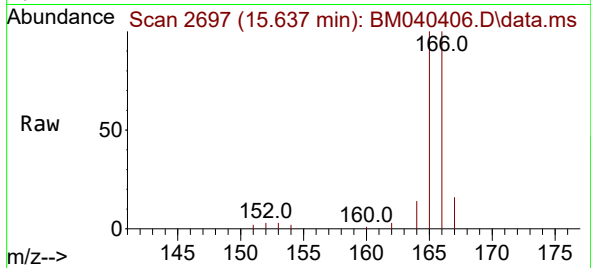




#12
Fluorene
Concen: 0.363 ng/ul
RT: 15.637 min Scan# 2010
Delta R.T. -0.005 min
Lab File: BM040406.D
Acq: 26 Jun 2023 17:56

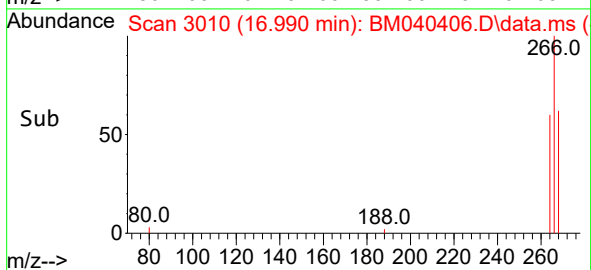
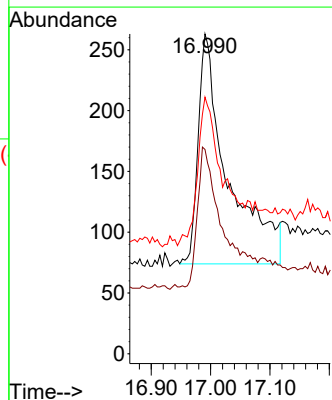
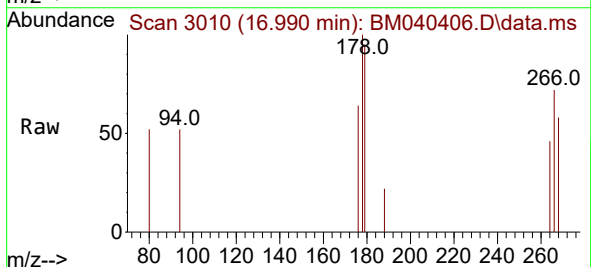
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BNA_M
ClientSampleId :
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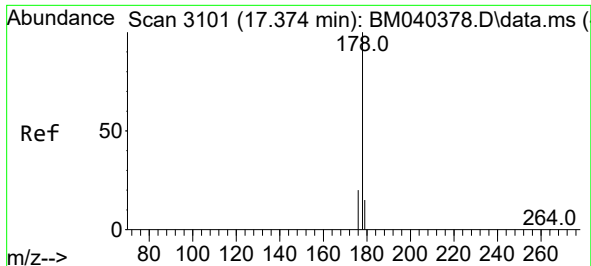
Tgt Ion:166	Resp:	14855
Ion Ratio	Lower	Upper
166	100	
165	100.4	79.6 119.4
167	15.7	11.4 17.0



#14
Pentachlorophenol
Concen: 0.181 ng/ul
RT: 16.990 min Scan# 3010
Delta R.T. -0.021 min
Lab File: BM040406.D
Acq: 26 Jun 2023 17:56

Tgt Ion:266	Resp:	655
Ion Ratio	Lower	Upper
266	100	
264	60.8	45.4 68.0
268	71.8	47.2 70.8#

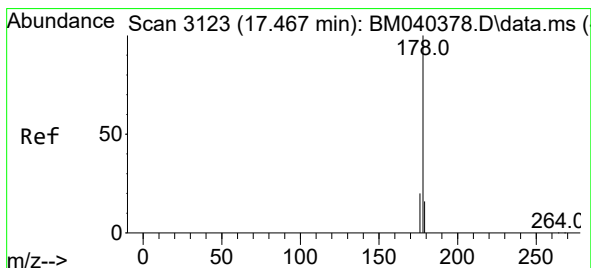
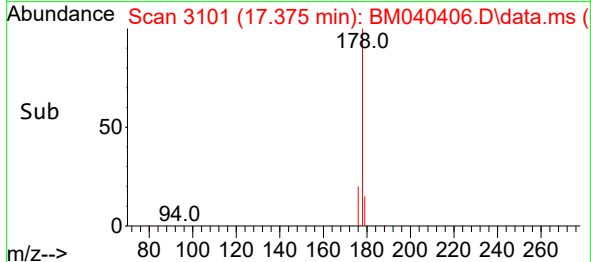
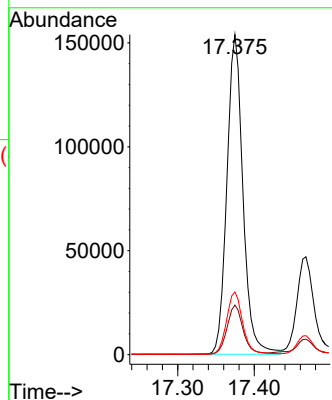
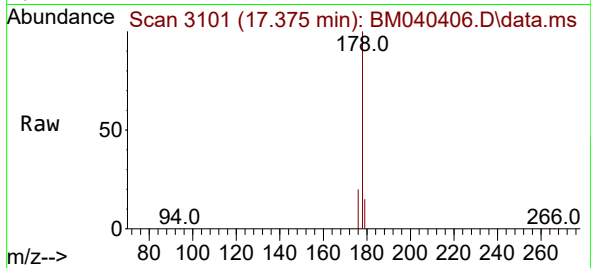




#15
Phenanthrene
Concen: 3.831 ng/ul
RT: 17.375 min Scan# 3101
Delta R.T. -0.004 min
Lab File: BM040406.D
Acq: 26 Jun 2023 17:56

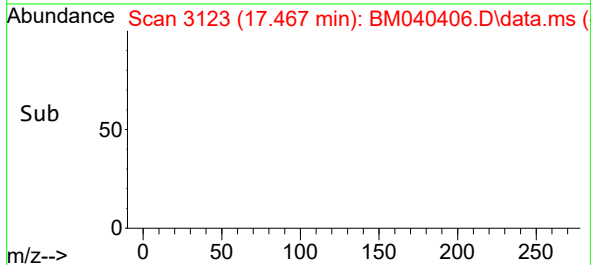
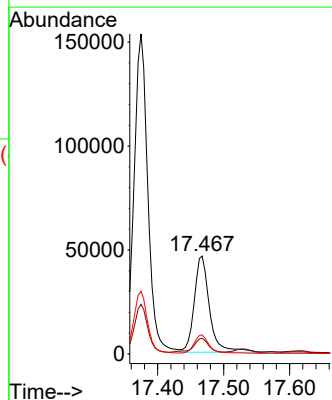
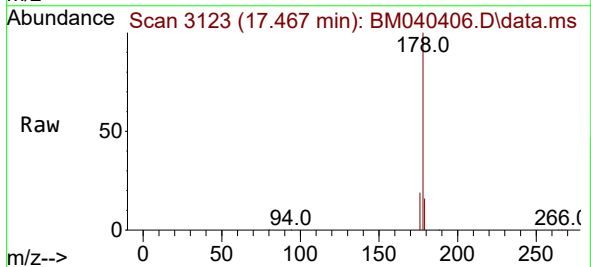
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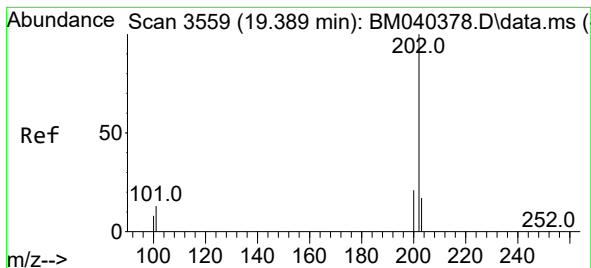
Tgt Ion:178 Resp: 223667
Ion Ratio Lower Upper
178 100
179 15.5 12.8 19.2
176 19.6 16.4 24.6



#16
Anthracene
Concen: 1.522 ng/ul
RT: 17.467 min Scan# 3123
Delta R.T. -0.004 min
Lab File: BM040406.D
Acq: 26 Jun 2023 17:56

Tgt Ion:178 Resp: 74658
Ion Ratio Lower Upper
178 100
179 15.8 12.9 19.3
176 19.5 15.8 23.6





#19

Fluoranthene

Concen: 11.719 ng/ul

RT: 19.389 min Scan# 3559

Delta R.T. 0.000 min

Lab File: BM040406.D

Acq: 26 Jun 2023 17:56

Instrument :

BNA_M

ClientSampleId :

DCFQ7MS

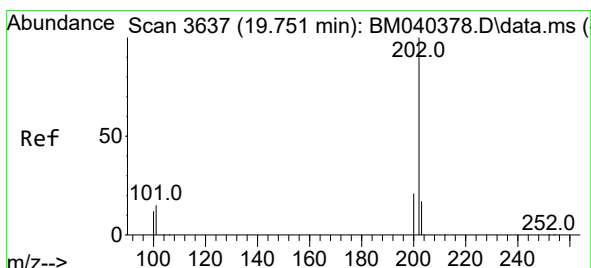
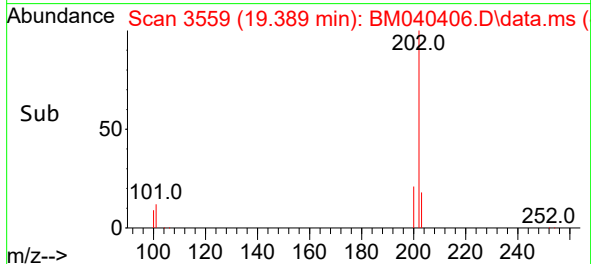
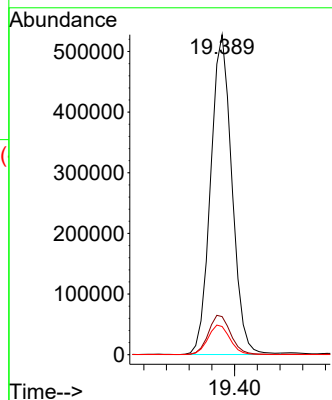
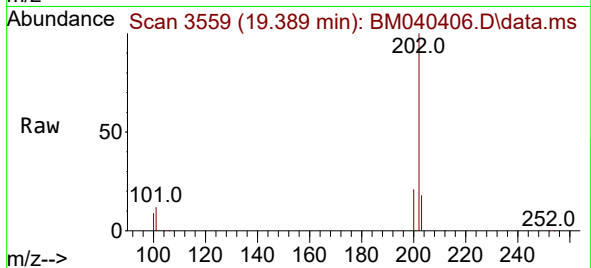
Tgt Ion:202 Resp: 685929

Ion Ratio Lower Upper

202 100

101 11.9 11.4 17.0

100 8.8 8.7 13.1



#20

Pyrene

Concen: 9.625 ng/ul

RT: 19.751 min Scan# 3637

Delta R.T. -0.005 min

Lab File: BM040406.D

Acq: 26 Jun 2023 17:56

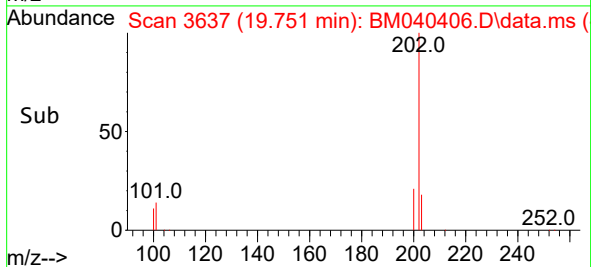
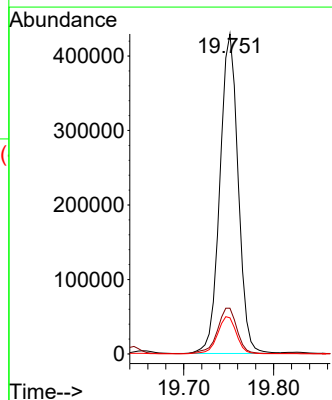
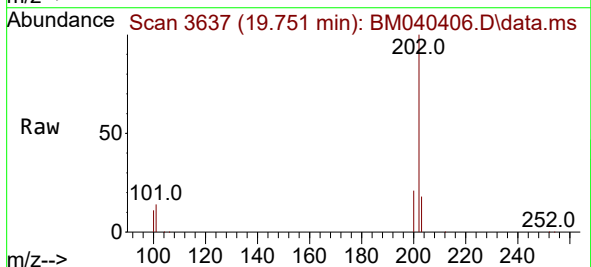
Tgt Ion:202 Resp: 603970

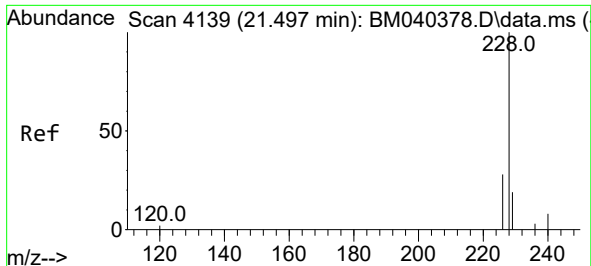
Ion Ratio Lower Upper

202 100

101 14.3 12.6 18.8

100 11.3 9.8 14.6

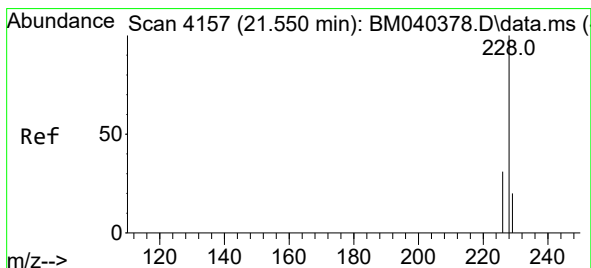
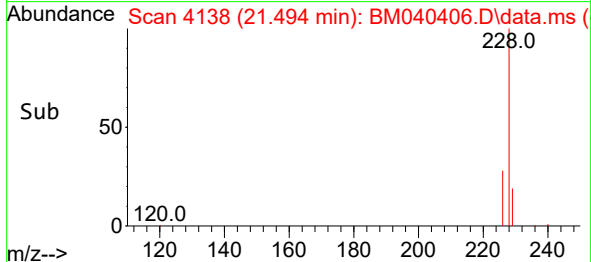
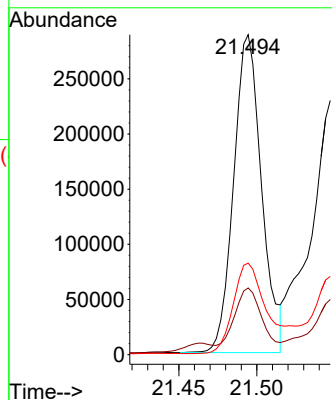
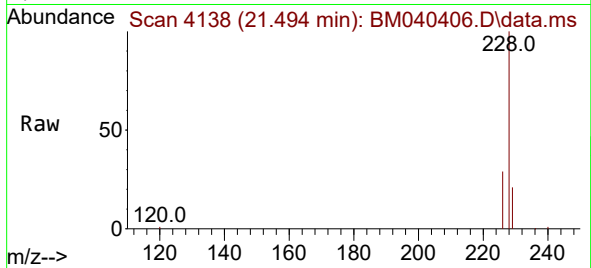




#21
Benzo(a)anthracene
Concen: 7.678 ng/ul
RT: 21.494 min Scan# 4139
Delta R.T. -0.006 min
Lab File: BM040406.D
Acq: 26 Jun 2023 17:56

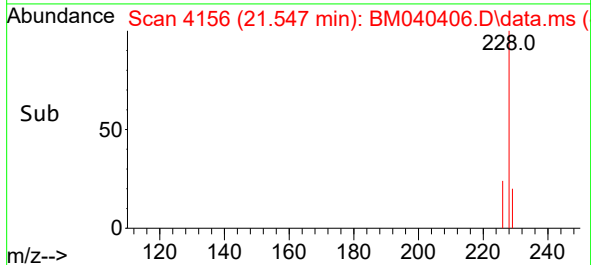
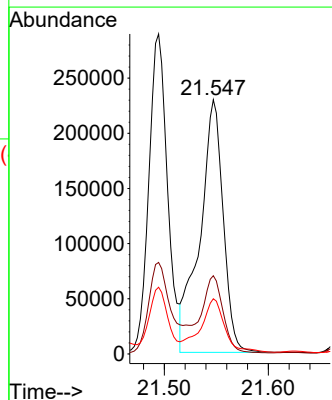
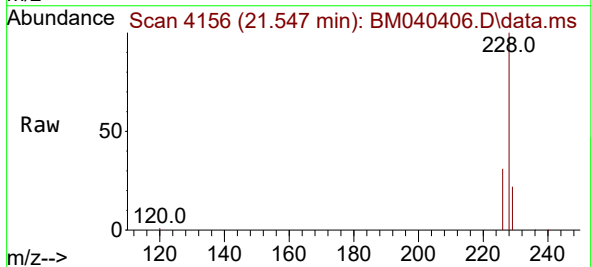
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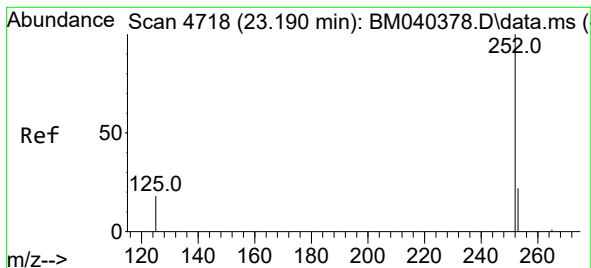
Tgt Ion:228 Resp: 357855
Ion Ratio Lower Upper
228 100
229 20.9 16.0 24.0
226 28.6 22.3 33.5



#22
Chrysene
Concen: 6.714 ng/ul
RT: 21.547 min Scan# 4156
Delta R.T. -0.006 min
Lab File: BM040406.D
Acq: 26 Jun 2023 17:56

Tgt Ion:228 Resp: 356953
Ion Ratio Lower Upper
228 100
226 30.8 24.9 37.3
229 21.7 15.8 23.6





#24

Benzo(b)fluoranthene

Concen: 8.536 ng/ul

RT: 23.190 min Scan# 4718

Delta R.T. -0.003 min

Lab File: BM040406.D

Acq: 26 Jun 2023 17:56

Instrument :

BNA_M

ClientSampleId :

DCFQ7MS

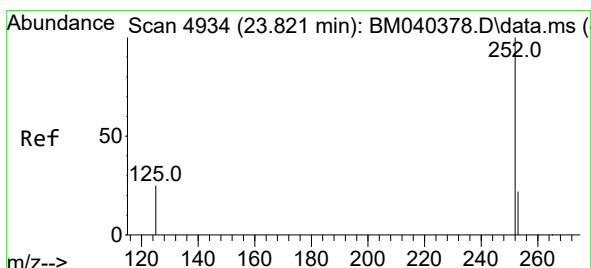
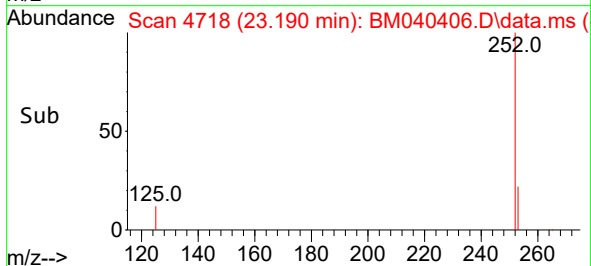
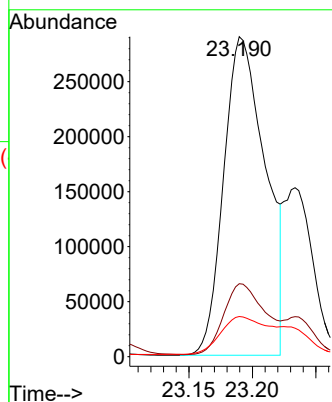
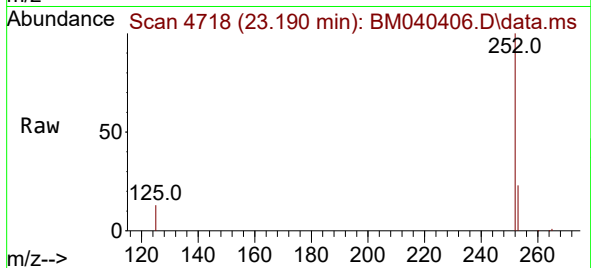
Tgt Ion:252 Resp: 660845

Ion Ratio Lower Upper

252 100

253 22.8 0.0 52.8

125 12.5 0.0 43.0



#26

Benzo(a)pyrene

Concen: 6.300 ng/ul

RT: 23.821 min Scan# 4934

Delta R.T. -0.003 min

Lab File: BM040406.D

Acq: 26 Jun 2023 17:56

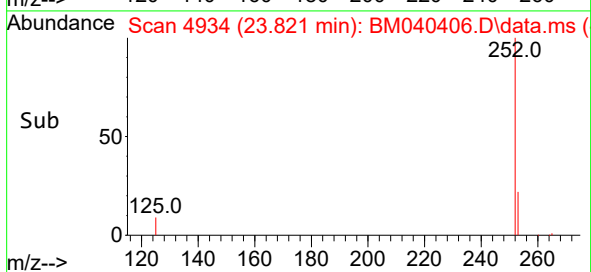
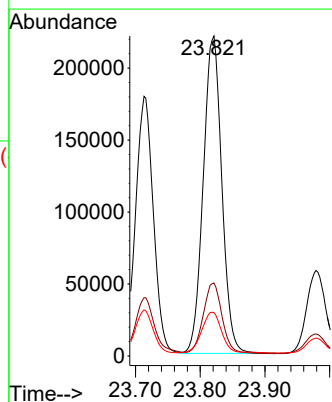
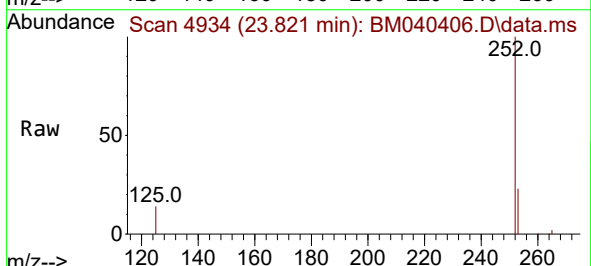
Tgt Ion:252 Resp: 439337

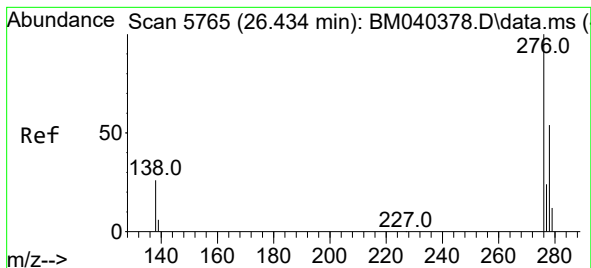
Ion Ratio Lower Upper

252 100

253 22.8 22.9 34.3#

125 13.6 21.0 31.4#





#27

Indeno(1,2,3-cd)pyrene

Concen: 3.766 ng/ul

RT: 26.434 min Scan# 5

Delta R.T. 0.000 min

Lab File: BM040406.D

Acq: 26 Jun 2023 17:56

Instrument :

BNA_M

ClientSampleId :

DCFQ7MS

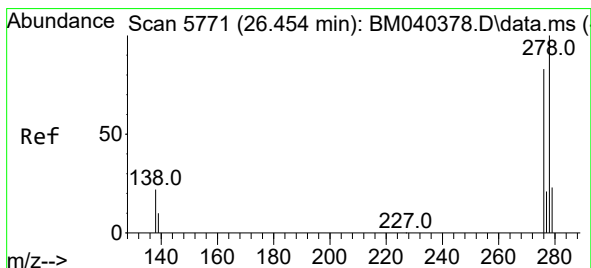
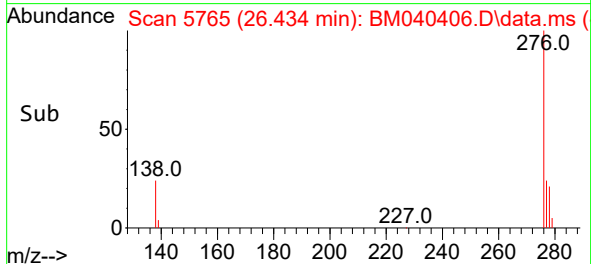
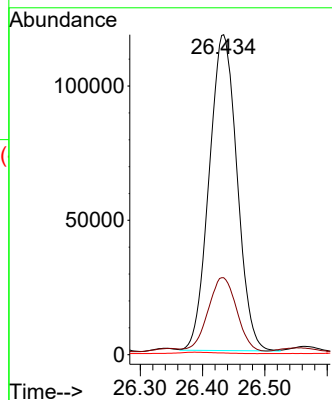
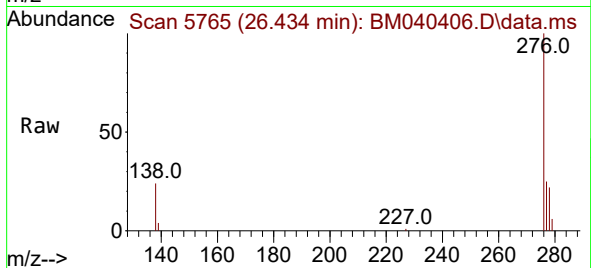
Tgt Ion:276 Resp: 365750

Ion Ratio Lower Upper

276 100

138 24.1 24.5 36.7#

227 0.0 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 1.276 ng/ul

RT: 26.444 min Scan# 5768

Delta R.T. -0.010 min

Lab File: BM040406.D

Acq: 26 Jun 2023 17:56

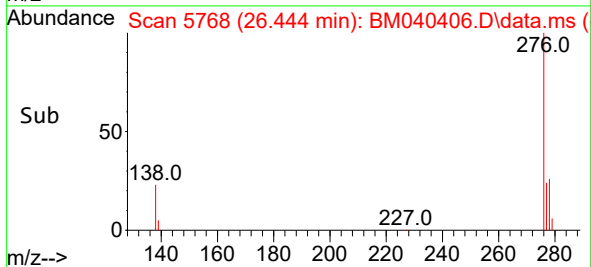
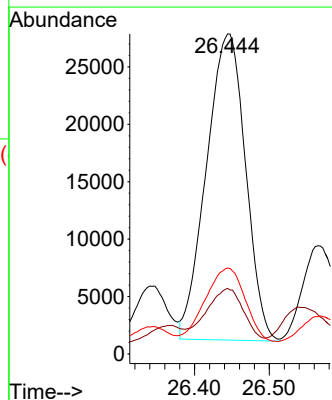
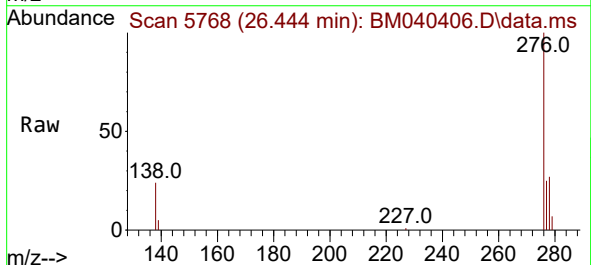
Tgt Ion:278 Resp: 97032

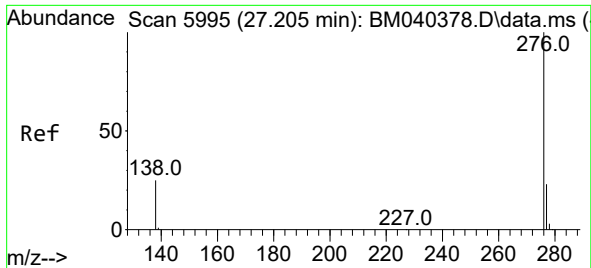
Ion Ratio Lower Upper

278 100

139 20.5 17.9 26.9

279 26.9 22.0 33.0





#29

Benzo(g,h,i)perylene

Concen: 3.964 ng/ul

RT: 27.212 min Scan# 5997

Delta R.T. 0.007 min

Lab File: BM040406.D

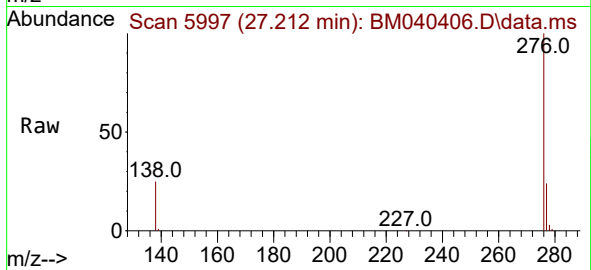
Acq: 26 Jun 2023 17:56

Instrument :

BNA_M

ClientSampleId :

DCFQ7MS



Tgt Ion:276 Resp: 337473

Ion Ratio Lower Upper

276 100

138 24.5 23.0 34.6

277 24.1 20.3 30.5

