

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041074.D
 Acq On : 24 Jul 2023 13:49
 Operator : MA/JU
 Sample : SST0.403
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST0.4038

Quant Time: Jul 25 00:07:39 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 : Mon Jul 24 16:22:33 2023
 Response via : Initial Calibration

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

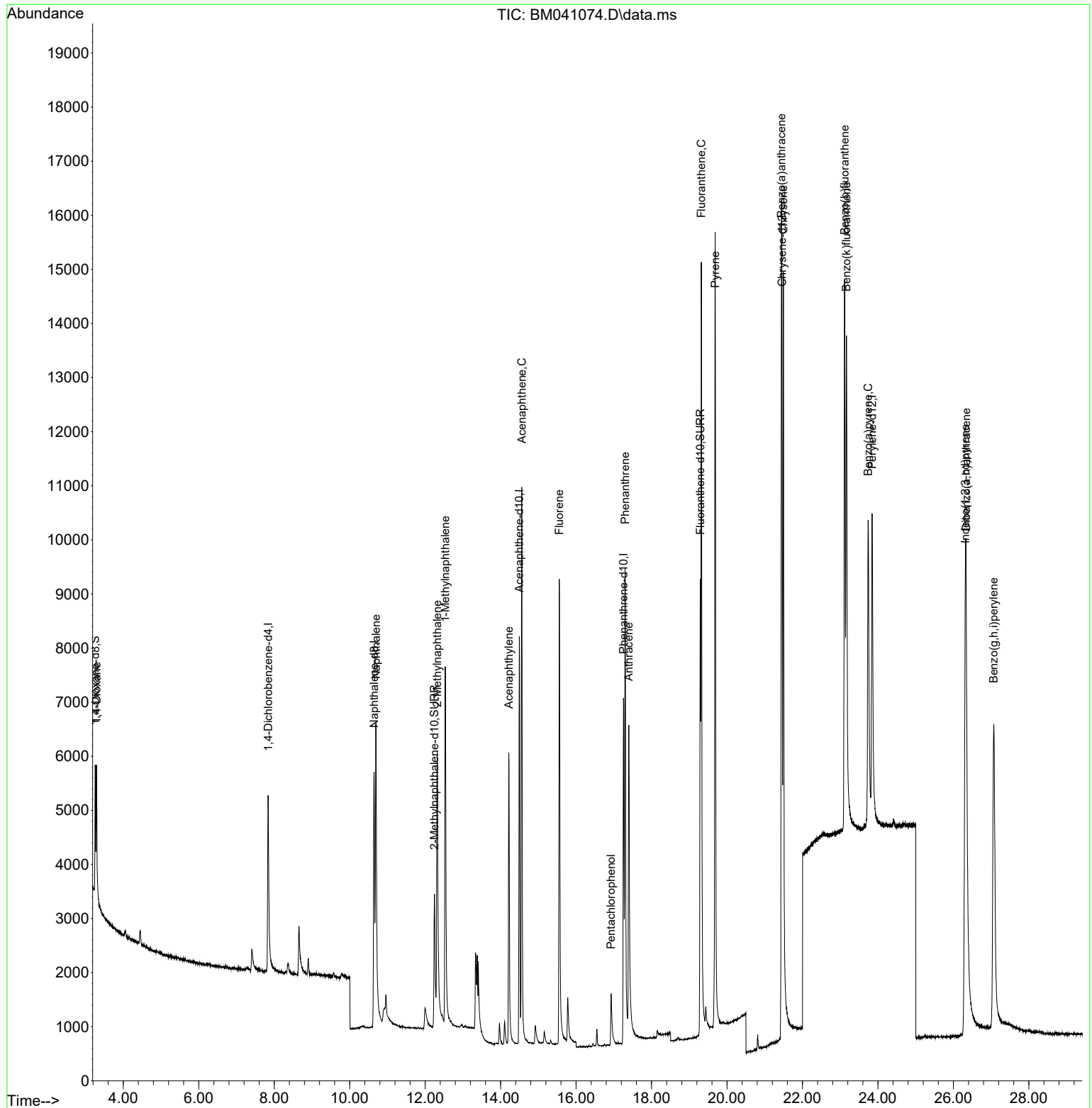
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	2674	0.400	ng/ul	0.00
4) Naphthalene-d8	10.647	136	8823	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.495	164	4577	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.257	188	9233	0.400	ng/ul	0.00
17) Chrysene-d12	21.457	240	9905	0.400	ng/ul	0.00
23) Perylene-d12	23.845	264	9486	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	1629	0.395	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.247	152	5057	0.401	ng/ul	0.00
18) Fluoranthene-d10	19.292	212	10816	0.401	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.292	88	1563	0.371	ng/ul	100
5) Naphthalene	10.697	128	10242	0.357	ng/ul	100
7) 2-Methylnaphthalene	12.319	142	5594	0.398	ng/ul	100
8) 1-Methylnaphthalene	12.533	142	5779	0.400	ng/ul	100
10) Acenaphthylene	14.217	152	7647	0.396	ng/ul	100
11) Acenaphthene	14.560	153	6506	0.399	ng/ul	100
12) Fluorene	15.554	166	7073	0.397	ng/ul	100
14) Pentachlorophenol	16.927	266	1055	0.393	ng/ul	100
15) Phenanthrene	17.299	178	11141	0.391	ng/ul	100
16) Anthracene	17.396	178	8990	0.390	ng/ul	100
19) Fluoranthene	19.320	202	13794	0.389	ng/ul	100
20) Pyrene	19.687	202	15064	0.385	ng/ul	100
21) Benzo(a)anthracene	21.442	228	12616	0.381	ng/ul	100
22) Chrysene	21.495	228	14724	0.385	ng/ul	100
24) Benzo(b)fluoranthene	23.117	252	14674	0.388	ng/ul	100
25) Benzo(k)fluoranthene	23.164	252	14009	0.388	ng/ul	100
26) Benzo(a)pyrene	23.740	252	12013	0.392	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	26.314	276	17714	0.391	ng/ul	100
28) Dibenzo(a,h)anthracene	26.337	278	13983	0.393	ng/ul	100
29) Benzo(g,h,i)perylene	27.068	276	15878	0.392	ng/ul	100

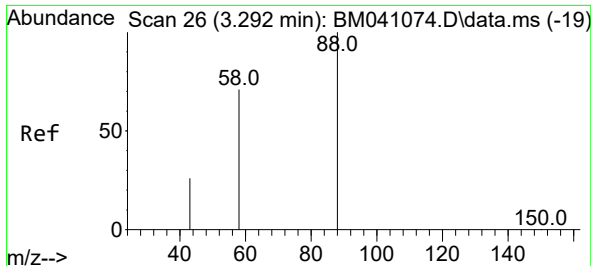
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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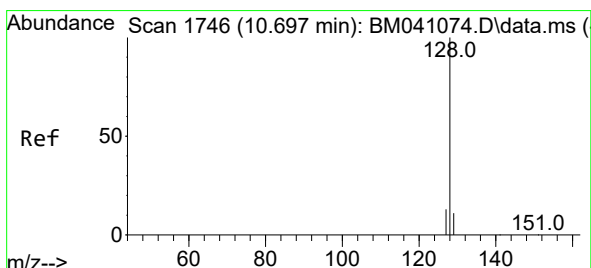
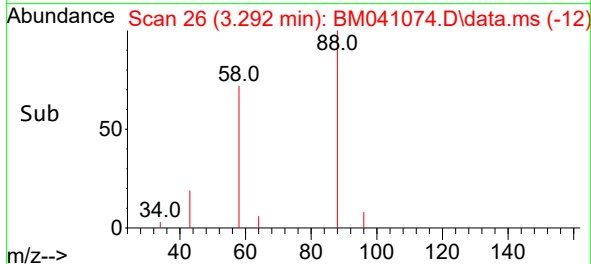
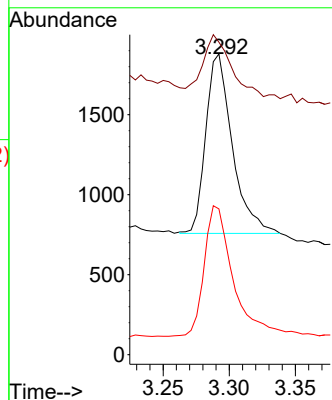
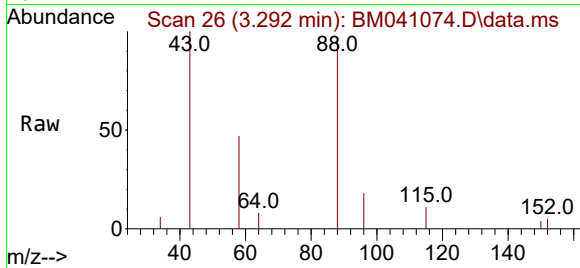




#2
1,4-Dioxane
Concen: 0.371 ng/ul
RT: 3.292 min Scan# 20
Delta R.T. 0.000 min
Lab File: BM041074.D
Acq: 24 Jul 2023 13:49

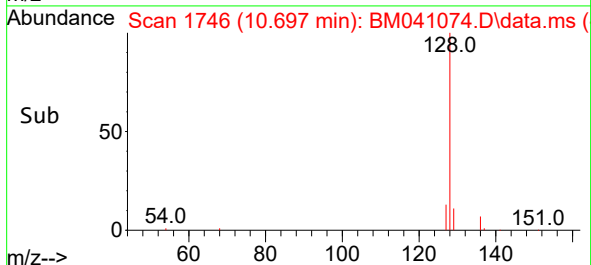
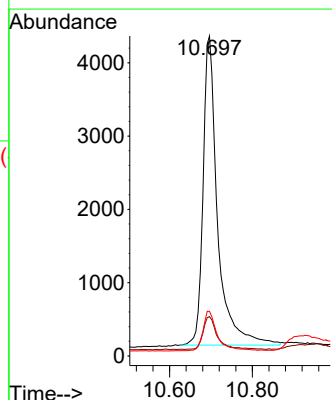
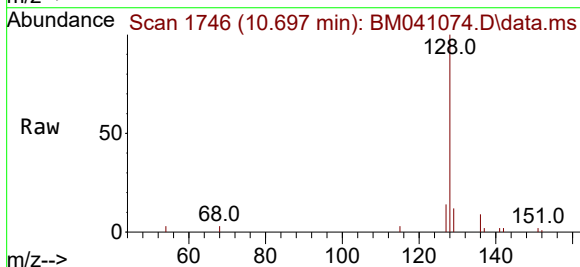
Instrument :
BNA_M
ClientSampleId :
SSTD0.4038

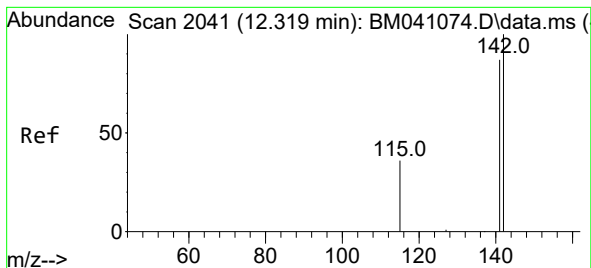
Tgt Ion: 88 Resp: 1563
Ion Ratio Lower Upper
88 100
43 103.9 83.1 124.7
58 48.5 38.8 58.2



#5
Naphthalene
Concen: 0.357 ng/ul
RT: 10.697 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BM041074.D
Acq: 24 Jul 2023 13:49

Tgt Ion: 128 Resp: 10242
Ion Ratio Lower Upper
128 100
129 12.3 9.8 14.8
127 13.9 11.1 16.7

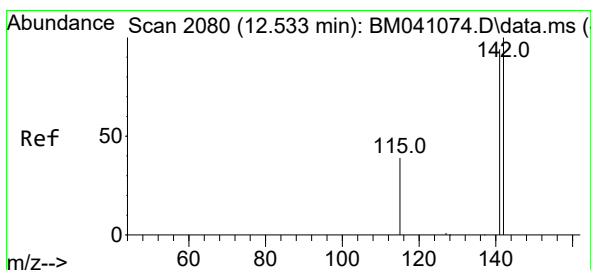
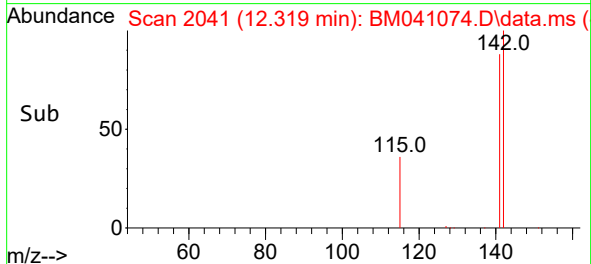
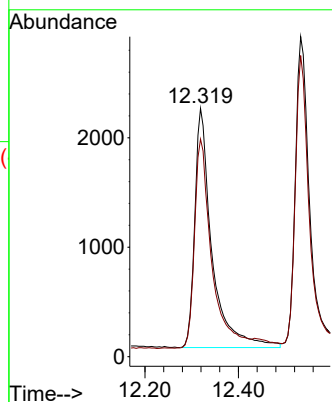
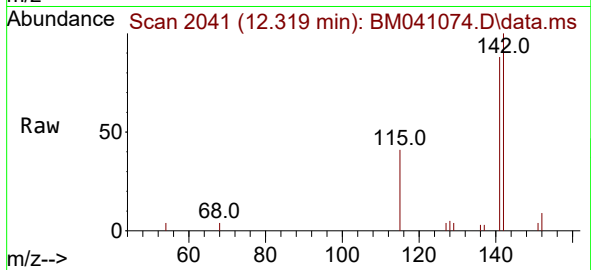




#7
2-Methylnaphthalene
Concen: 0.398 ng/ul
RT: 12.319 min Scan# 2041
Delta R.T. 0.000 min
Lab File: BM041074.D
Acq: 24 Jul 2023 13:49

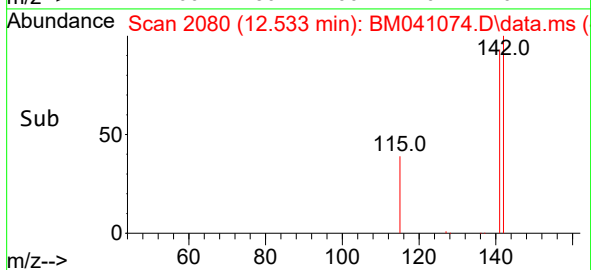
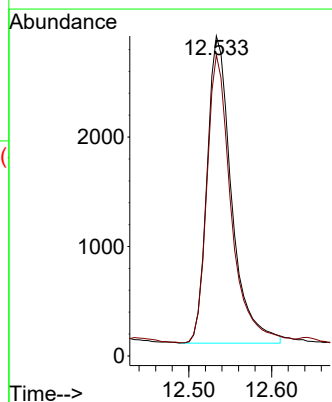
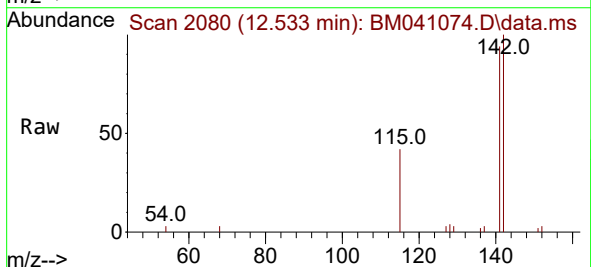
Instrument :
BNA_M
ClientSampleId :
SSTD0.4038

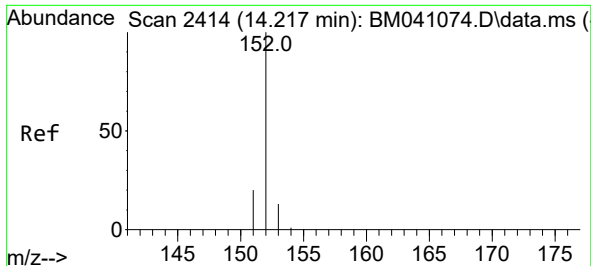
Tgt Ion:142 Resp: 5594
Ion Ratio Lower Upper
142 100
141 91.6 73.3 109.9



#8
1-Methylnaphthalene
Concen: 0.400 ng/ul
RT: 12.533 min Scan# 2080
Delta R.T. 0.000 min
Lab File: BM041074.D
Acq: 24 Jul 2023 13:49

Tgt Ion:142 Resp: 5779
Ion Ratio Lower Upper
142 100
141 92.0 73.6 110.4

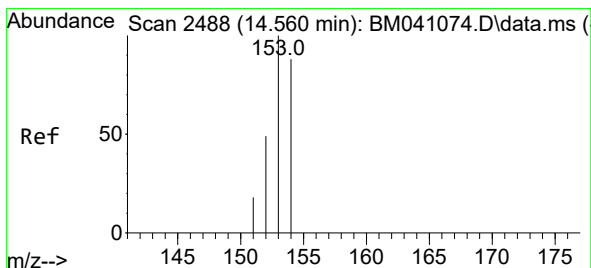
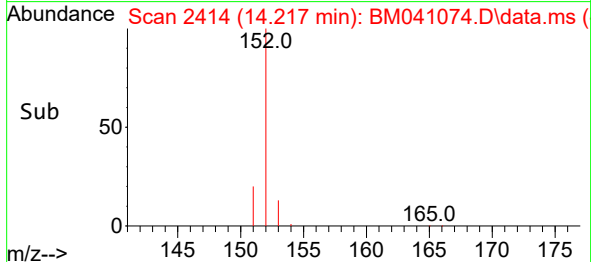
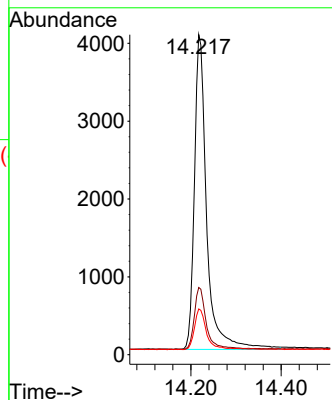
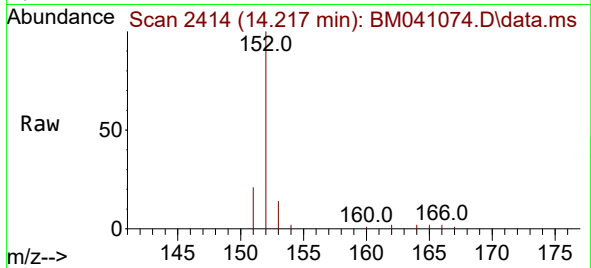




#10
Acenaphthylene
Concen: 0.396 ng/ul
RT: 14.217 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BM041074.D
Acq: 24 Jul 2023 13:49

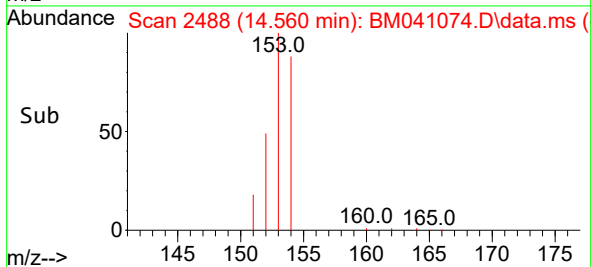
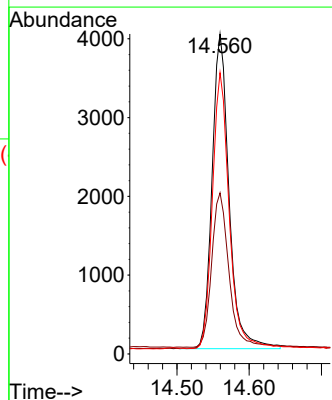
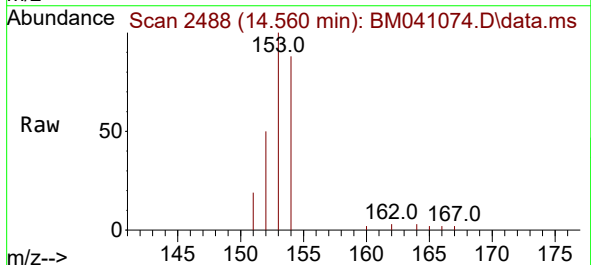
Instrument :
BNA_M
ClientSampleId :
SSTD0.4038

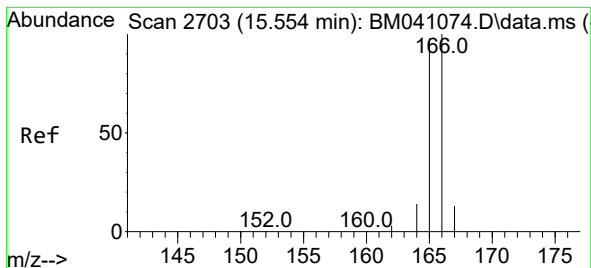
Tgt Ion:152 Resp: 7647
Ion Ratio Lower Upper
152 100
151 21.0 16.8 25.2
153 14.3 11.4 17.2



#11
Acenaphthene
Concen: 0.399 ng/ul
RT: 14.560 min Scan# 2488
Delta R.T. 0.000 min
Lab File: BM041074.D
Acq: 24 Jul 2023 13:49

Tgt Ion:153 Resp: 6506
Ion Ratio Lower Upper
153 100
152 50.3 40.2 60.4
154 87.9 70.3 105.5





#12

Fluorene

Concen: 0.397 ng/ul

RT: 15.554 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM041074.D

Acq: 24 Jul 2023 13:49

Instrument :

BNA_M

ClientSampleId :

SSTD0.4038

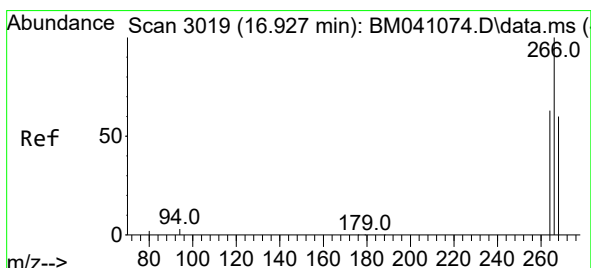
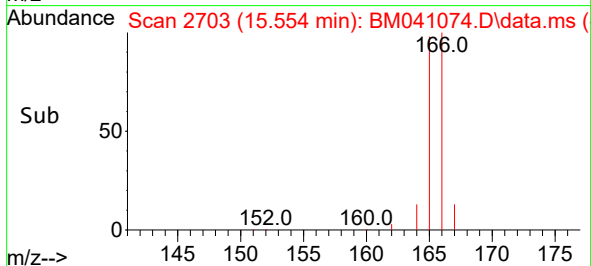
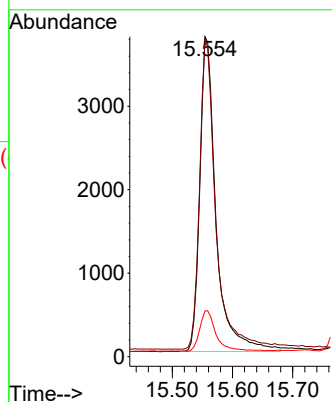
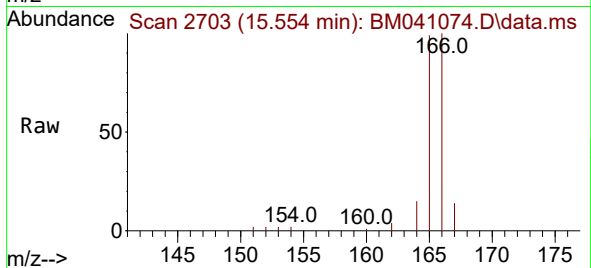
Tgt Ion:166 Resp: 7073

Ion Ratio Lower Upper

166 100

165 99.2 79.4 119.0

167 14.3 11.4 17.2



#14

Pentachlorophenol

Concen: 0.393 ng/ul

RT: 16.927 min Scan# 3019

Delta R.T. 0.000 min

Lab File: BM041074.D

Acq: 24 Jul 2023 13:49

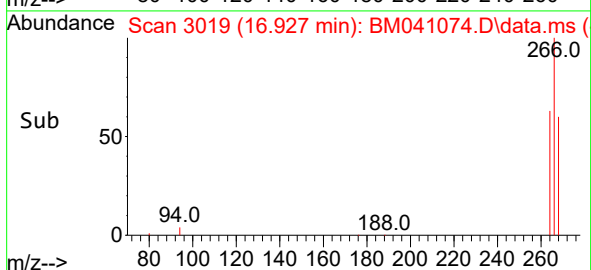
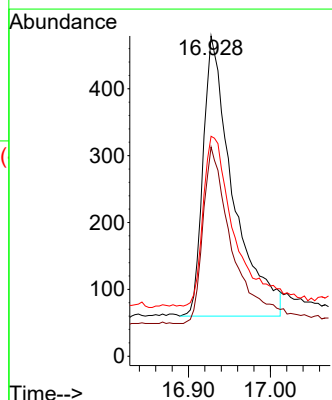
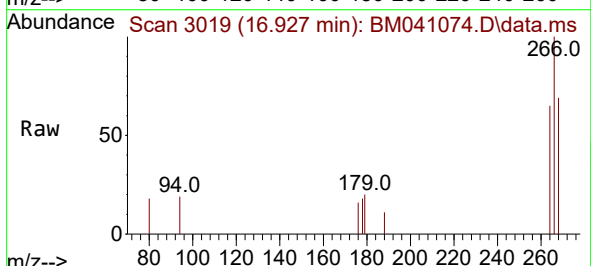
Tgt Ion:266 Resp: 1055

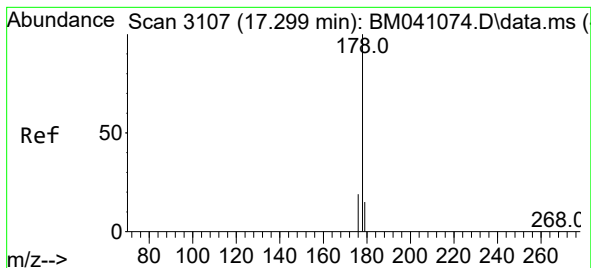
Ion Ratio Lower Upper

266 100

264 61.5 49.2 73.8

268 62.4 49.9 74.9





#15

Phenanthrene

Concen: 0.391 ng/ul

RT: 17.299 min Scan# 3107

Delta R.T. 0.000 min

Lab File: BM041074.D

Acq: 24 Jul 2023 13:49

Instrument :

BNA_M

ClientSampleId :

SSTD0.4038

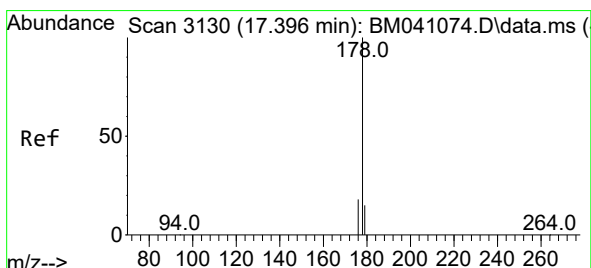
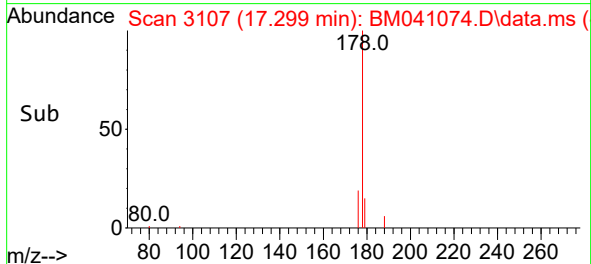
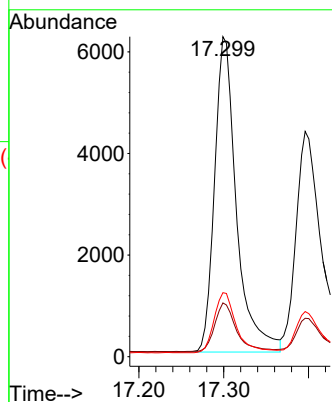
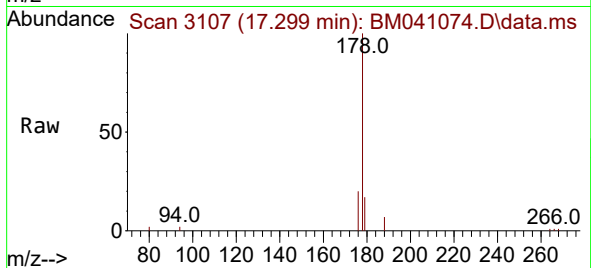
Tgt Ion:178 Resp: 11141

Ion Ratio Lower Upper

178 100

179 16.8 13.4 20.2

176 20.0 16.0 24.0



#16

Anthracene

Concen: 0.390 ng/ul

RT: 17.396 min Scan# 3130

Delta R.T. 0.000 min

Lab File: BM041074.D

Acq: 24 Jul 2023 13:49

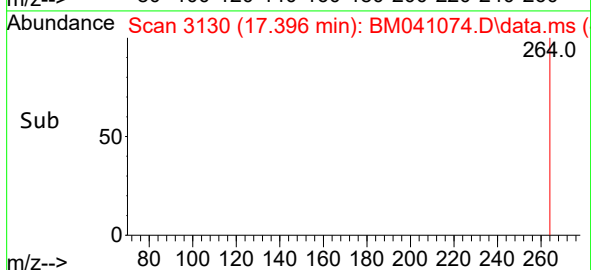
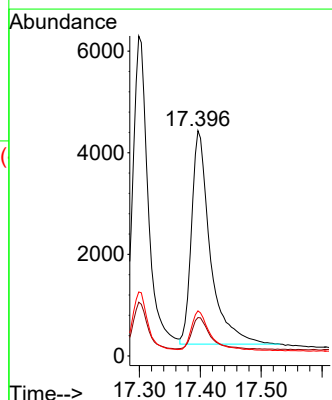
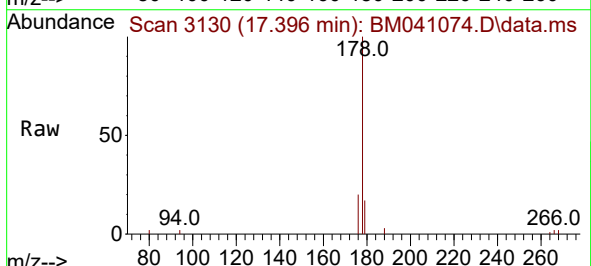
Tgt Ion:178 Resp: 8990

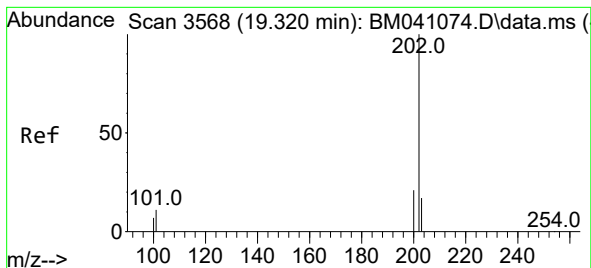
Ion Ratio Lower Upper

178 100

179 17.0 13.6 20.4

176 20.0 16.0 24.0





#19

Fluoranthene

Concen: 0.389 ng/ul

RT: 19.320 min Scan# 3568

Delta R.T. 0.000 min

Lab File: BM041074.D

Acq: 24 Jul 2023 13:49

Instrument :

BNA_M

ClientSampleId :

SSTD0.4038

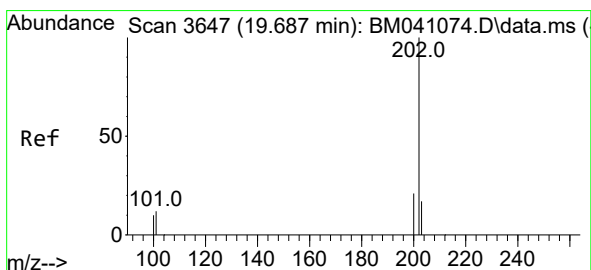
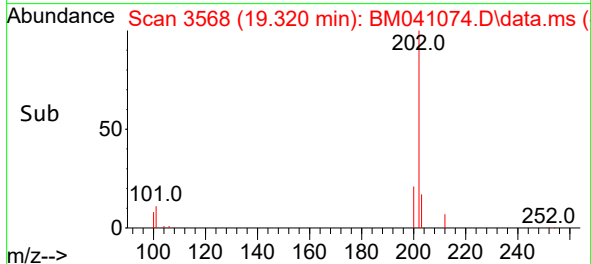
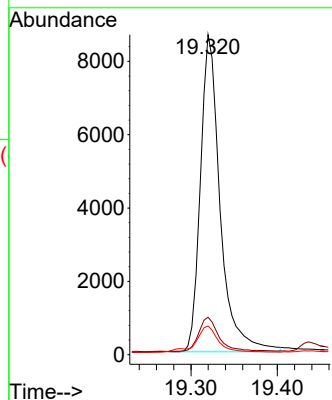
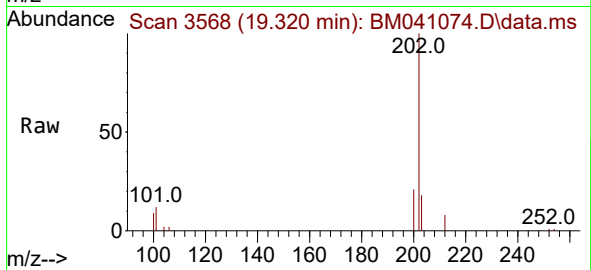
Tgt Ion:202 Resp: 13794

Ion Ratio Lower Upper

202 100

101 11.7 9.4 14.0

100 8.9 7.1 10.7



#20

Pyrene

Concen: 0.385 ng/ul

RT: 19.687 min Scan# 3647

Delta R.T. 0.000 min

Lab File: BM041074.D

Acq: 24 Jul 2023 13:49

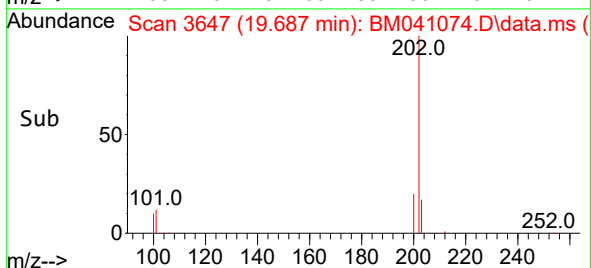
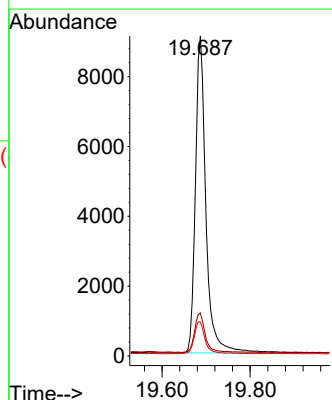
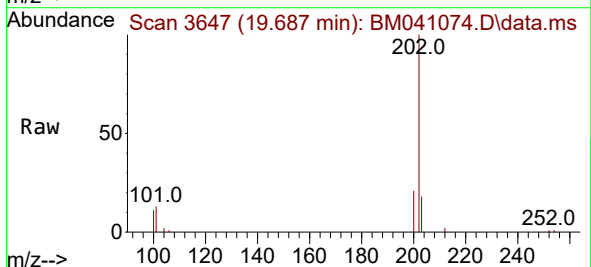
Tgt Ion:202 Resp: 15064

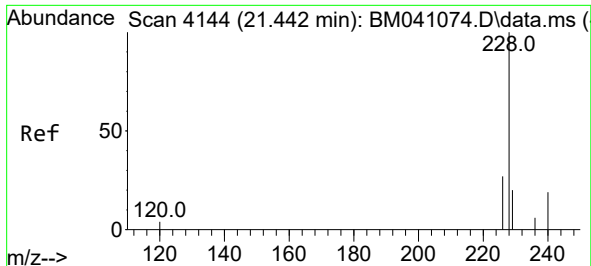
Ion Ratio Lower Upper

202 100

101 13.4 10.7 16.1

100 10.6 8.5 12.7

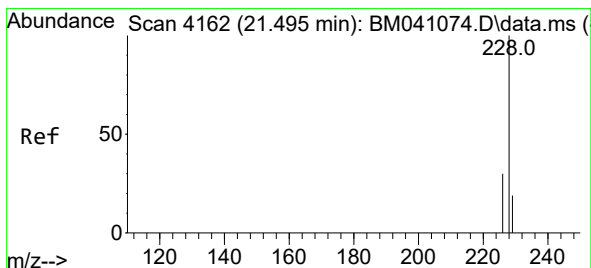
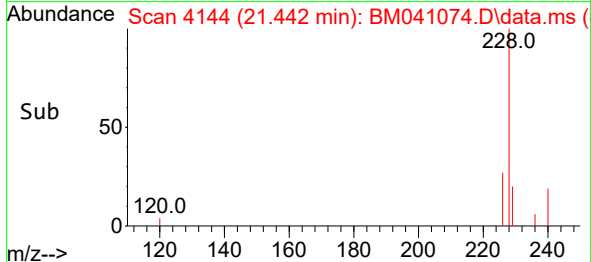
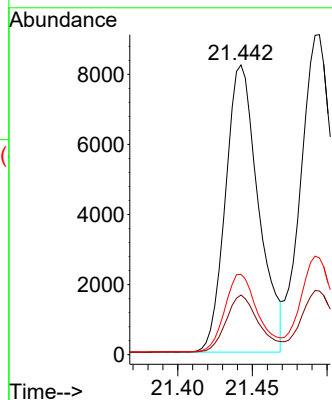
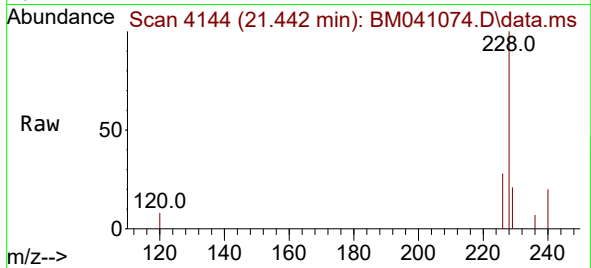




#21
Benzo(a)anthracene
Concen: 0.381 ng/ul
RT: 21.442 min Scan# 4144
Delta R.T. 0.000 min
Lab File: BM041074.D
Acq: 24 Jul 2023 13:49

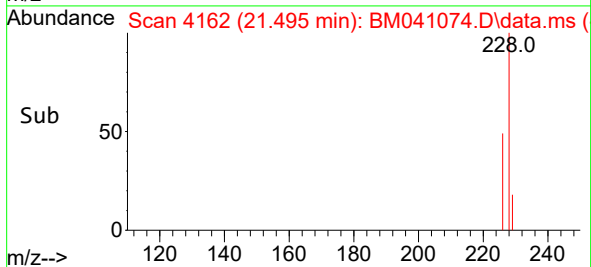
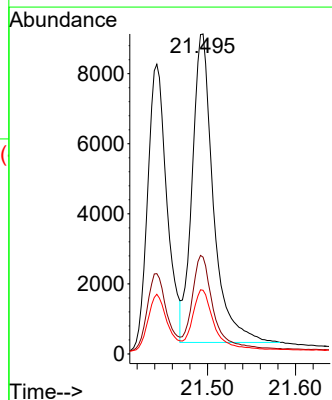
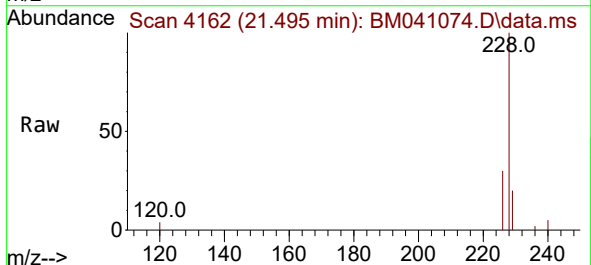
Instrument :
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SSTD0.4038

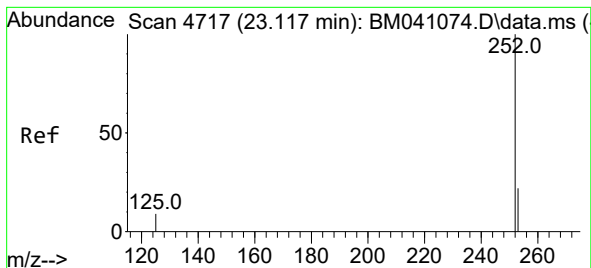
Tgt Ion:228 Resp: 12616
Ion Ratio Lower Upper
228 100
229 20.6 16.5 24.7
226 27.7 22.2 33.2



#22
Chrysene
Concen: 0.385 ng/ul
RT: 21.495 min Scan# 4162
Delta R.T. 0.000 min
Lab File: BM041074.D
Acq: 24 Jul 2023 13:49

Tgt Ion:228 Resp: 14724
Ion Ratio Lower Upper
228 100
226 30.3 24.2 36.4
229 19.9 15.9 23.9





#24

Benzo(b)fluoranthene

Concen: 0.388 ng/ul

RT: 23.117 min Scan# 4717

Delta R.T. 0.000 min

Lab File: BM041074.D

Acq: 24 Jul 2023 13:49

Instrument :

BNA_M

ClientSampleId :

SSTD0.4038

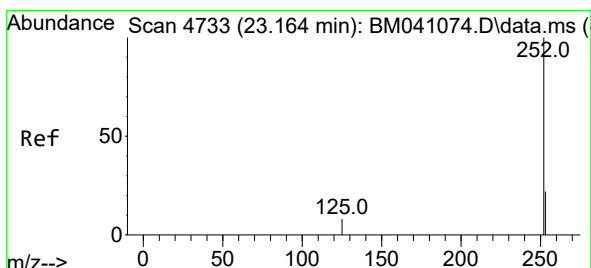
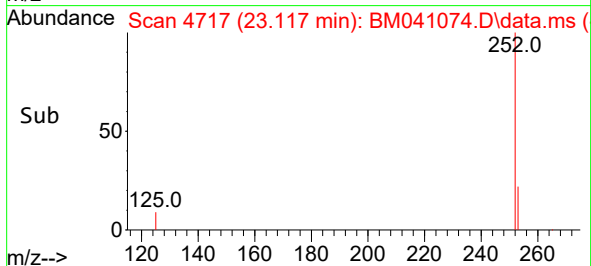
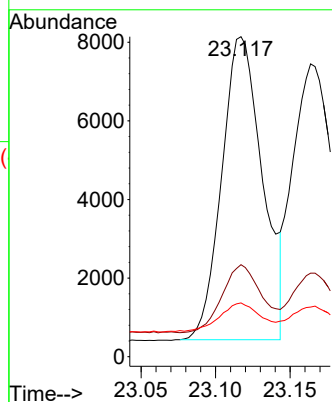
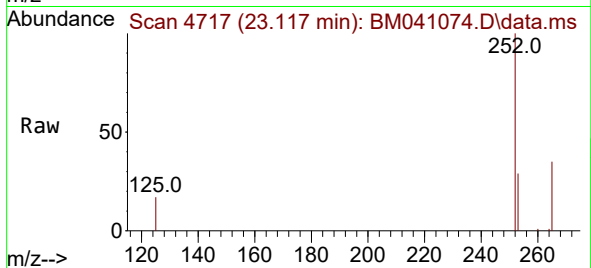
Tgt Ion:252 Resp: 14674

Ion Ratio Lower Upper

252 100

253 28.8 0.0 57.6

125 16.8 0.0 33.6



#25

Benzo(k)fluoranthene

Concen: 0.388 ng/ul

RT: 23.164 min Scan# 4733

Delta R.T. 0.000 min

Lab File: BM041074.D

Acq: 24 Jul 2023 13:49

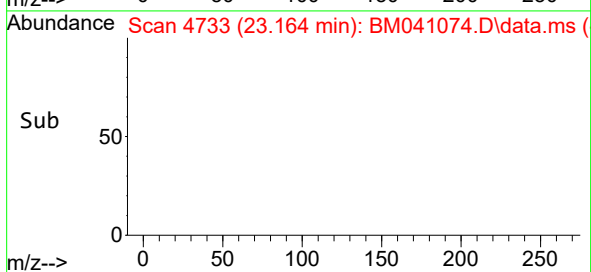
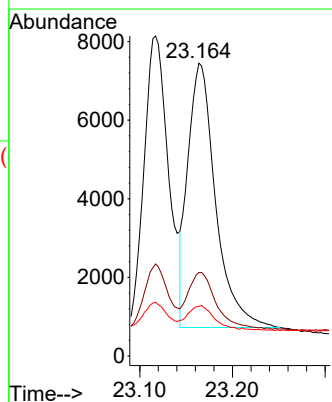
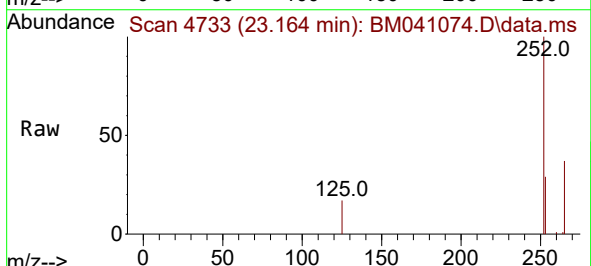
Tgt Ion:252 Resp: 14009

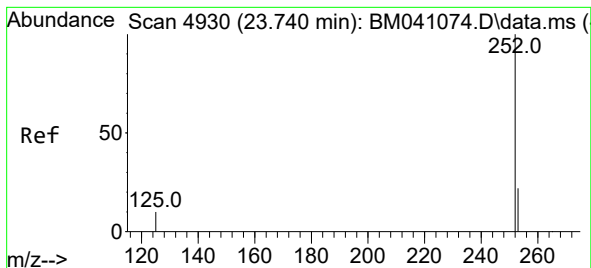
Ion Ratio Lower Upper

252 100

253 28.5 22.8 34.2

125 16.9 13.5 20.3





#26

Benzo(a)pyrene

Concen: 0.392 ng/ul

RT: 23.740 min Scan# 4930

Delta R.T. 0.000 min

Lab File: BM041074.D

Acq: 24 Jul 2023 13:49

Instrument :

BNA_M

ClientSampleId :

SSTD0.4038

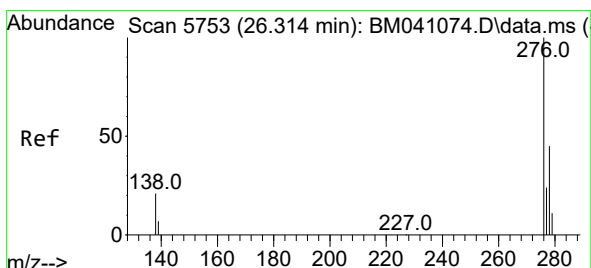
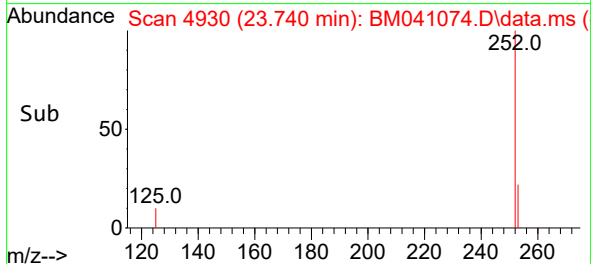
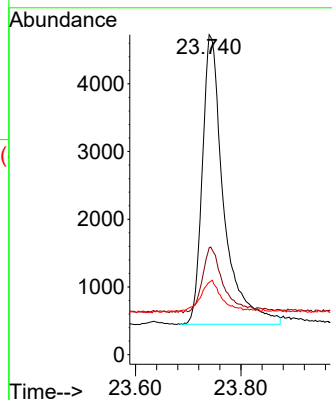
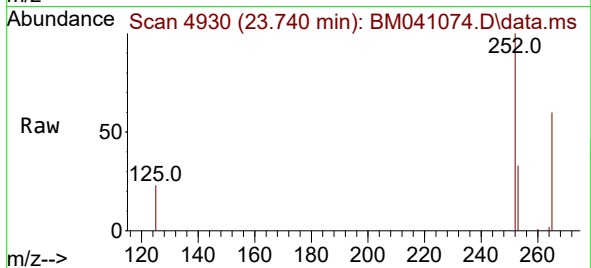
Tgt Ion:252 Resp: 12013

Ion Ratio Lower Upper

252 100

253 33.4 26.7 40.1

125 22.6 18.1 27.1



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.391 ng/ul

RT: 26.314 min Scan# 5753

Delta R.T. 0.000 min

Lab File: BM041074.D

Acq: 24 Jul 2023 13:49

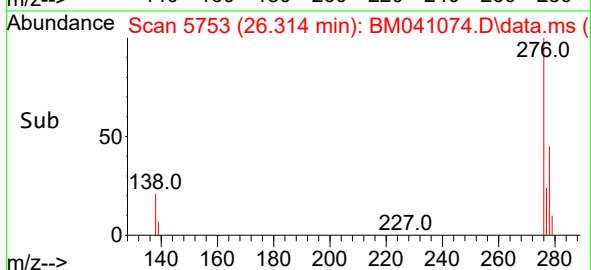
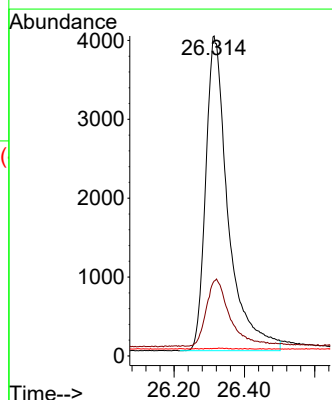
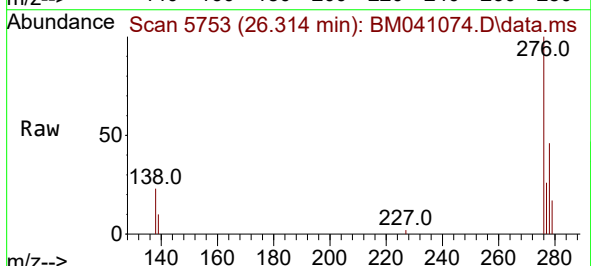
Tgt Ion:276 Resp: 17714

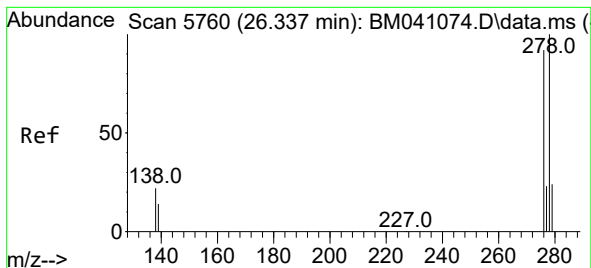
Ion Ratio Lower Upper

276 100

138 22.6 18.1 27.1

227 0.2 0.2 0.2





#28

Dibenzo(a,h)anthracene

Concen: 0.393 ng/ul

RT: 26.337 min Scan# 5

Delta R.T. 0.000 min

Lab File: BM041074.D

Acq: 24 Jul 2023 13:49

Instrument :

BNA_M

ClientSampleId :

SSTD0.4038

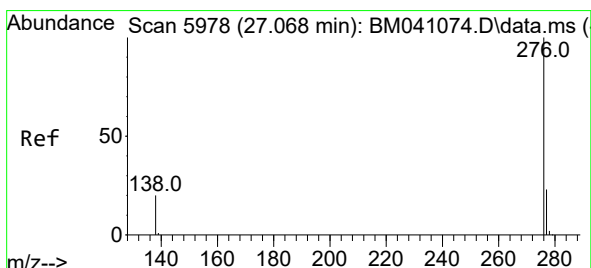
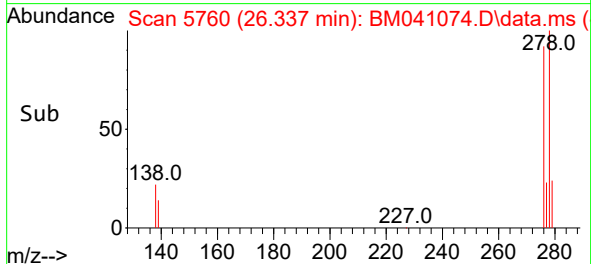
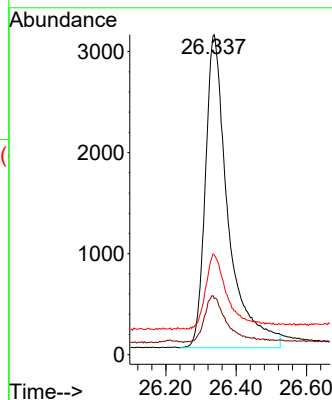
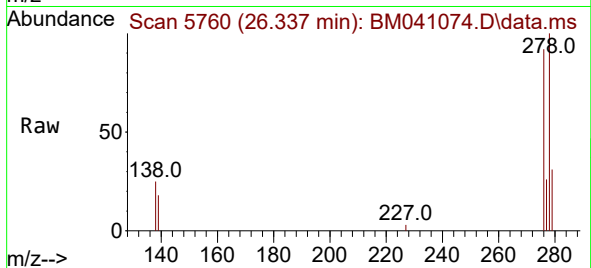
Tgt Ion:278 Resp: 13983

Ion Ratio Lower Upper

278 100

139 17.6 14.1 21.1

279 31.2 25.0 37.4



#29

Benzo(g,h,i)perylene

Concen: 0.392 ng/ul

RT: 27.068 min Scan# 5978

Delta R.T. 0.000 min

Lab File: BM041074.D

Acq: 24 Jul 2023 13:49

Tgt Ion:276 Resp: 15878

Ion Ratio Lower Upper

276 100

138 22.7 18.2 27.2

277 25.7 20.6 30.8

