

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041081.D
 Acq On : 24 Jul 2023 18:50
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4195

Quant Time: Jul 25 00:30:18 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 : Tue Jul 25 00:13:11 2023
 Response via : Initial Calibration

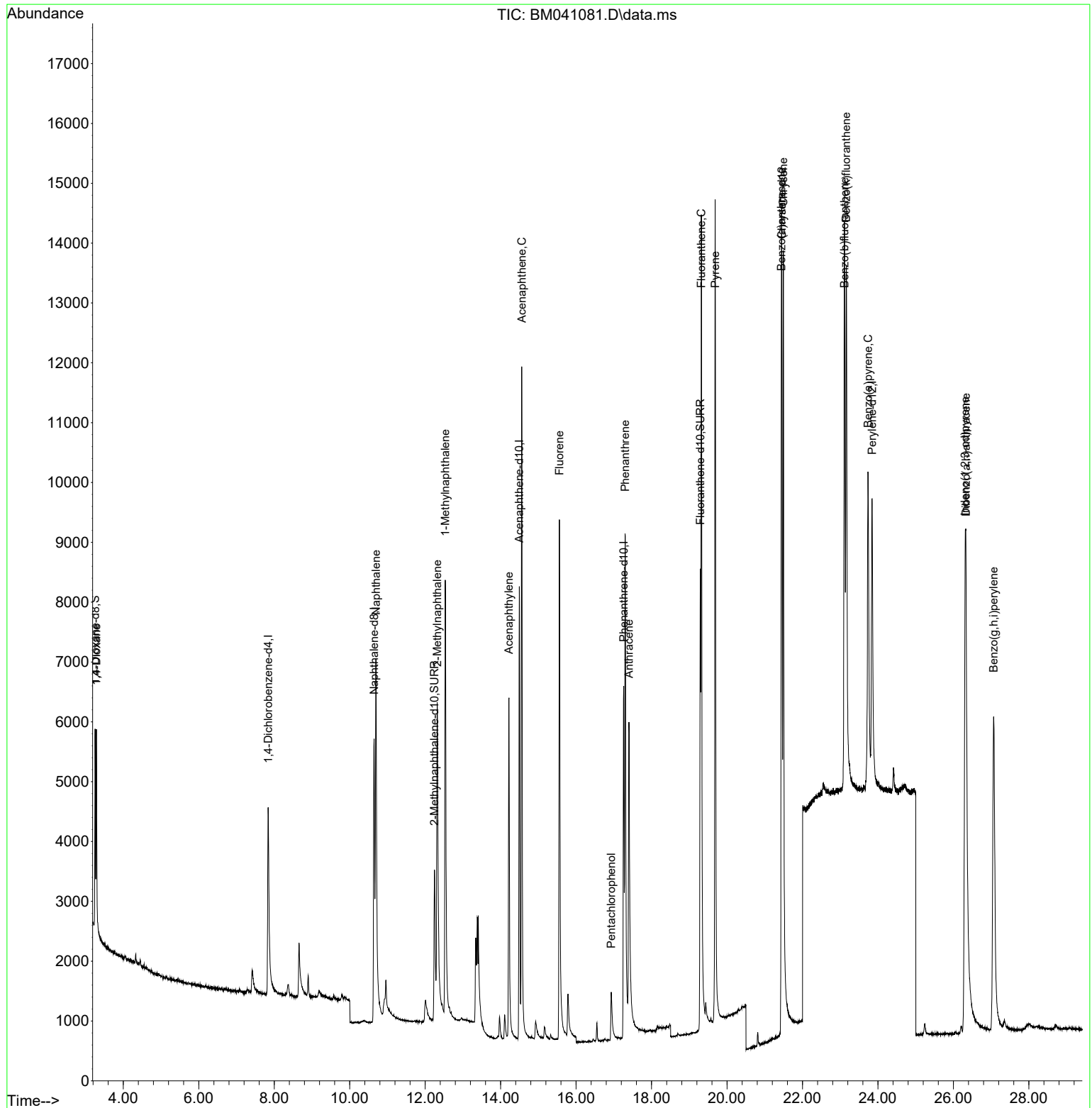
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	2920	0.400	ng/ul	0.00
4) Naphthalene-d8	10.647	136	9570	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.495	164	4692	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.261	188	8715	0.400	ng/ul	0.00
17) Chrysene-d12	21.454	240	8796	0.400	ng/ul	0.00
23) Perylene-d12	23.845	264	8207	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.254	96	2052	0.456	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.247	152	5657	0.414	ng/ul	0.00
18) Fluoranthene-d10	19.292	212	10516	0.439	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.288	88	2118	0.460	ng/ul#	66
5) Naphthalene	10.697	128	11480	0.369	ng/ul	99
7) 2-Methylnaphthalene	12.324	142	6408	0.420	ng/ul	99
8) 1-Methylnaphthalene	12.533	142	6554	0.418	ng/ul	100
10) Acenaphthylene	14.222	152	8308	0.419	ng/ul	100
11) Acenaphthene	14.560	153	7199	0.430	ng/ul	99
12) Fluorene	15.559	166	7581	0.415	ng/ul	99
14) Pentachlorophenol	16.932	266	958	0.378	ng/ul	97
15) Phenanthrene	17.303	178	11313	0.421	ng/ul	99
16) Anthracene	17.400	178	8970	0.412	ng/ul	99
19) Fluoranthene	19.320	202	13245	0.420	ng/ul	100
20) Pyrene	19.687	202	14528	0.418	ng/ul	99
21) Benzo(a)anthracene	21.439	228	11406	0.388	ng/ul	99
22) Chrysene	21.492	228	13746	0.405	ng/ul	100
24) Benzo(b)fluoranthene	23.111	252	14161	0.433	ng/ul	99
25) Benzo(k)fluoranthene	23.161	252	13874	0.444	ng/ul	97
26) Benzo(a)pyrene	23.737	252	11455	0.432	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.310	276	16670	0.425	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.334	278	13139	0.427	ng/ul	99
29) Benzo(g,h,i)perylene	27.068	276	15037	0.429	ng/ul	99

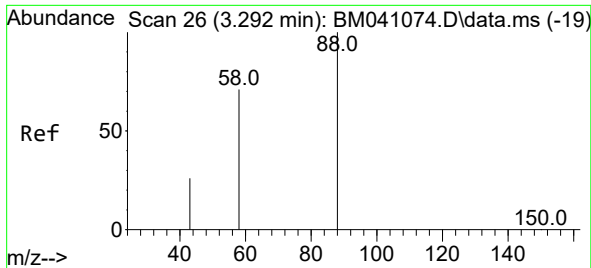
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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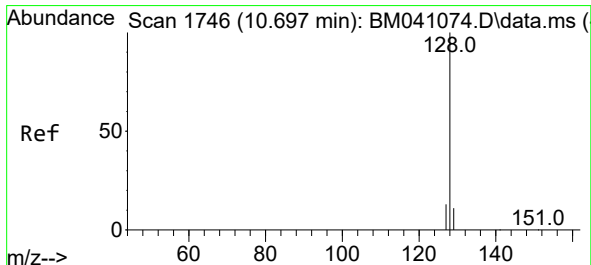
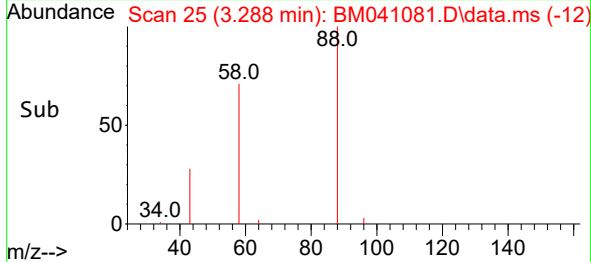
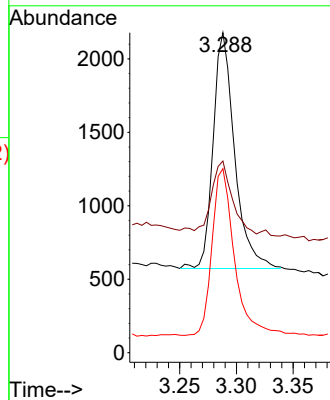
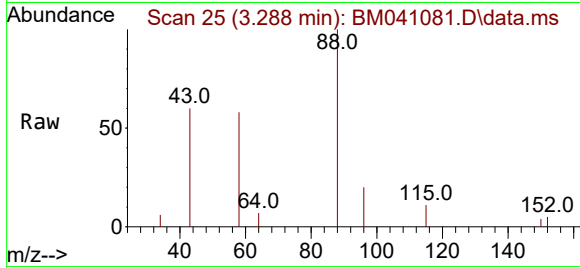




#2
1,4-Dioxane
Concen: 0.460 ng/ul
RT: 3.288 min Scan# 21
Delta R.T. -0.004 min
Lab File: BM041081.D
Acq: 24 Jul 2023 18:50

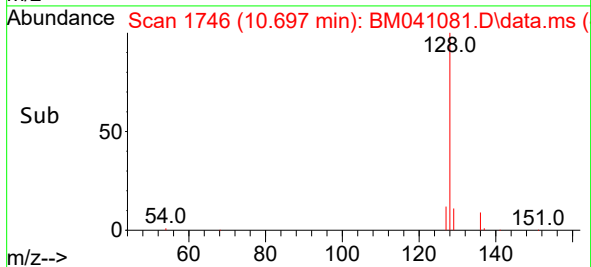
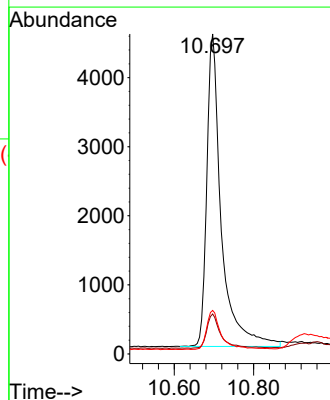
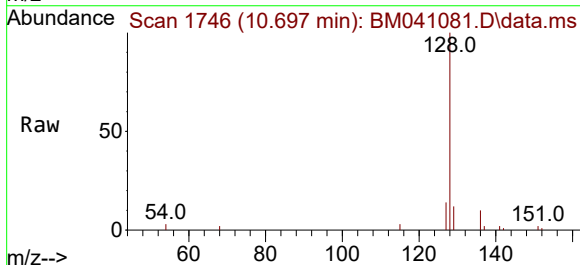
Instrument :
BNA_M
ClientSampleId :
SSTD0.4195

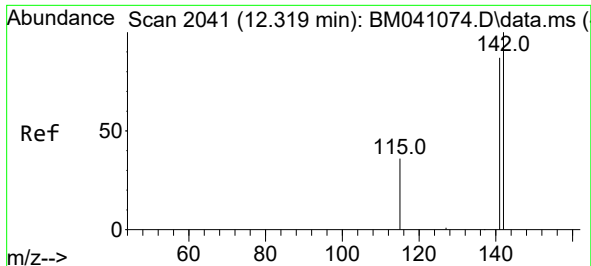
Tgt Ion: 88 Resp: 2118
Ion Ratio Lower Upper
88 100
43 59.9 83.1 124.7#
58 57.5 38.8 58.2



#5
Naphthalene
Concen: 0.369 ng/ul
RT: 10.697 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BM041081.D
Acq: 24 Jul 2023 18:50

Tgt Ion: 128 Resp: 11480
Ion Ratio Lower Upper
128 100
129 12.5 9.8 14.8
127 13.6 11.1 16.7

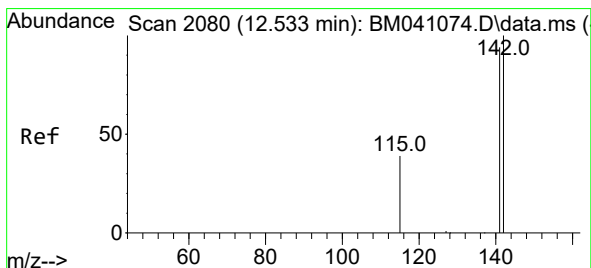
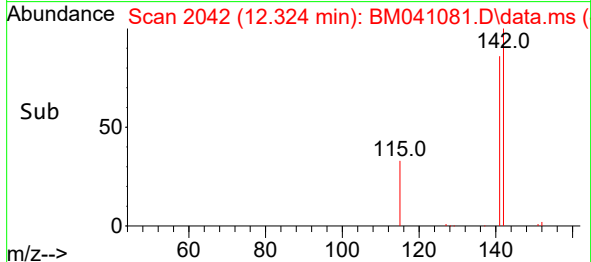
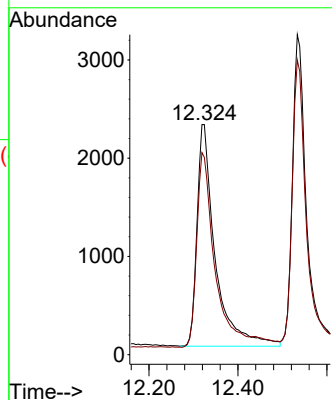
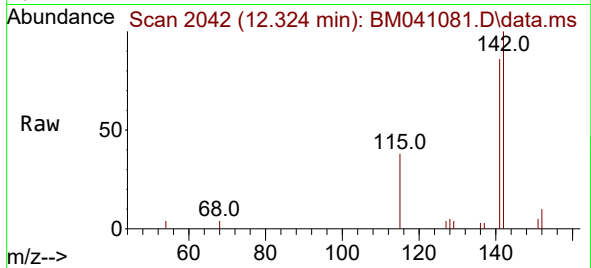




#7
2-Methylnaphthalene
Concen: 0.420 ng/ul
RT: 12.324 min Scan# 2042
Delta R.T. 0.006 min
Lab File: BM041081.D
Acq: 24 Jul 2023 18:50

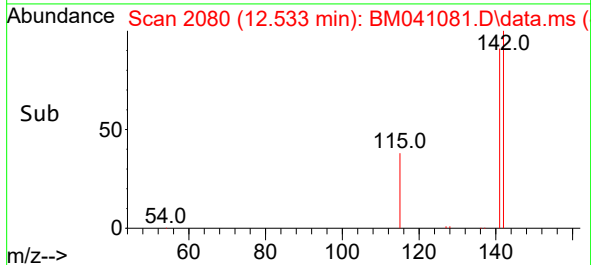
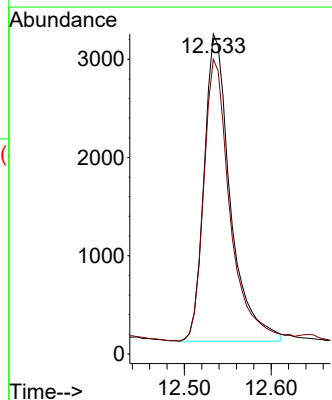
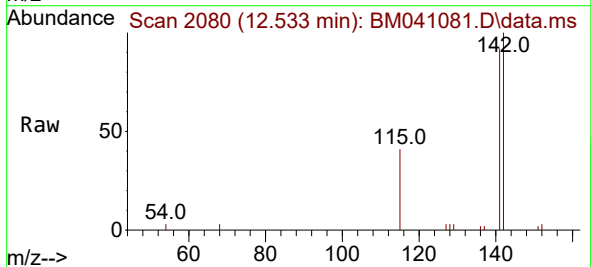
Instrument :
BNA_M
ClientSampleId :
SSTD0.4195

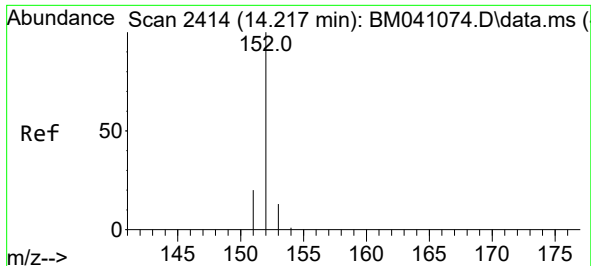
Tgt Ion:142 Resp: 6408
Ion Ratio Lower Upper
142 100
141 90.3 73.3 109.9



#8
1-Methylnaphthalene
Concen: 0.418 ng/ul
RT: 12.533 min Scan# 2080
Delta R.T. 0.000 min
Lab File: BM041081.D
Acq: 24 Jul 2023 18:50

Tgt Ion:142 Resp: 6554
Ion Ratio Lower Upper
142 100
141 92.0 73.6 110.4

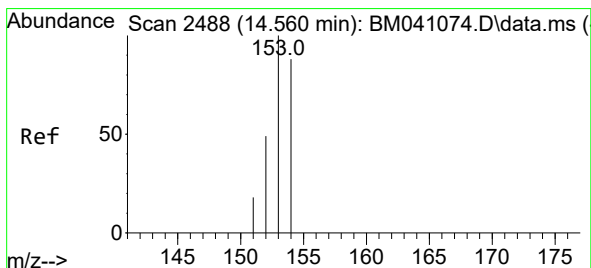
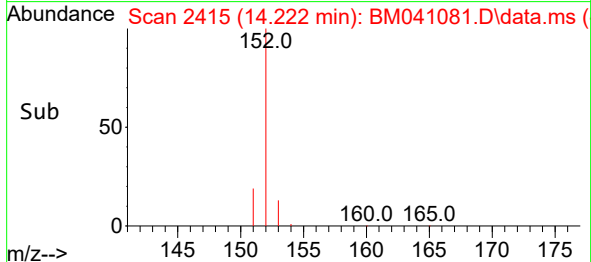
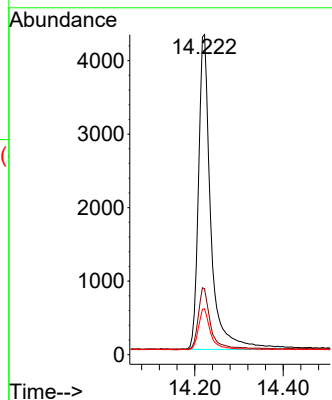
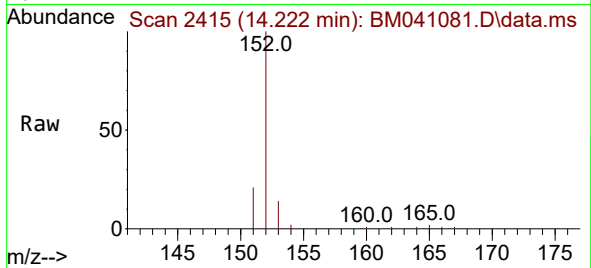




#10
Acenaphthylene
Concen: 0.419 ng/ul
RT: 14.222 min Scan# 2415
Delta R.T. 0.005 min
Lab File: BM041081.D
Acq: 24 Jul 2023 18:50

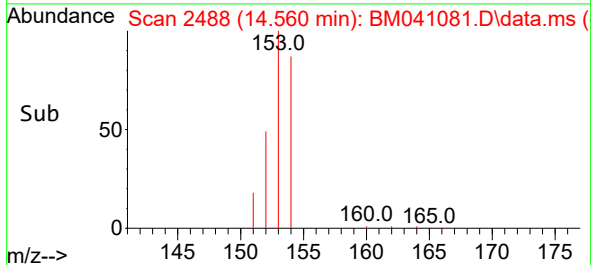
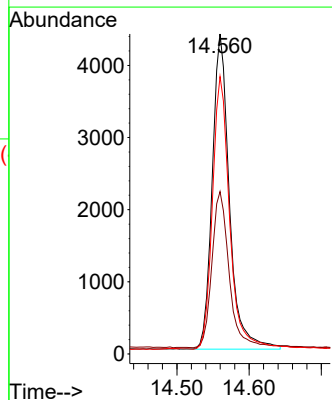
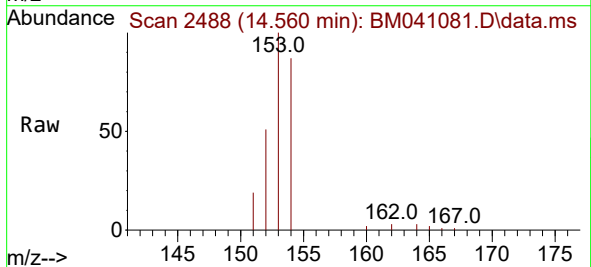
Instrument :
BNA_M
ClientSampleId :
SSTD0.4195

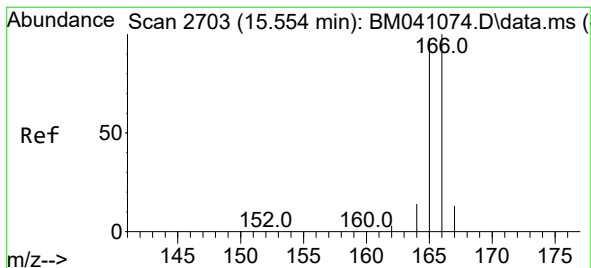
Tgt Ion:152 Resp: 8308
Ion Ratio Lower Upper
152 100
151 20.7 16.8 25.2
153 14.4 11.4 17.2



#11
Acenaphthene
Concen: 0.430 ng/ul
RT: 14.560 min Scan# 2488
Delta R.T. 0.000 min
Lab File: BM041081.D
Acq: 24 Jul 2023 18:50

Tgt Ion:153 Resp: 7199
Ion Ratio Lower Upper
153 100
152 50.8 40.2 60.4
154 86.7 70.3 105.5





#12

Fluorene

Concen: 0.415 ng/ul

RT: 15.559 min Scan# 21

Delta R.T. 0.005 min

Lab File: BM041081.D

Acq: 24 Jul 2023 18:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.4195

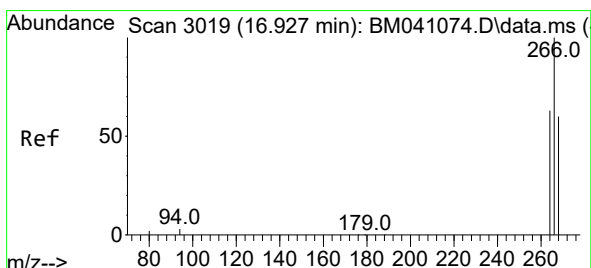
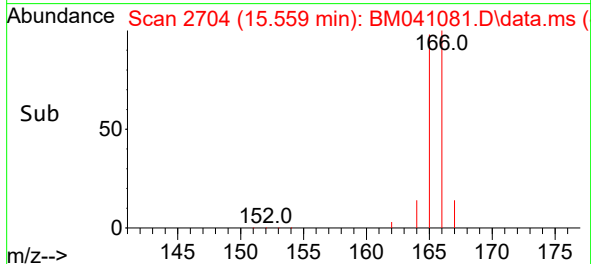
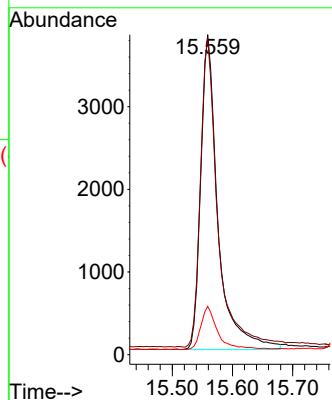
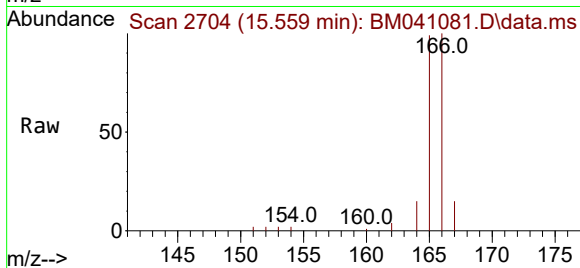
Tgt Ion:166 Resp: 7581

Ion Ratio Lower Upper

166 100

165 98.8 79.4 119.0

167 15.1 11.4 17.2



#14

Pentachlorophenol

Concen: 0.378 ng/ul

RT: 16.932 min Scan# 3020

Delta R.T. 0.004 min

Lab File: BM041081.D

Acq: 24 Jul 2023 18:50

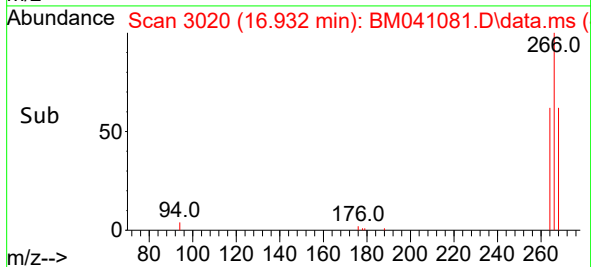
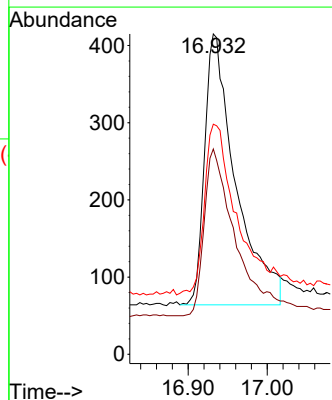
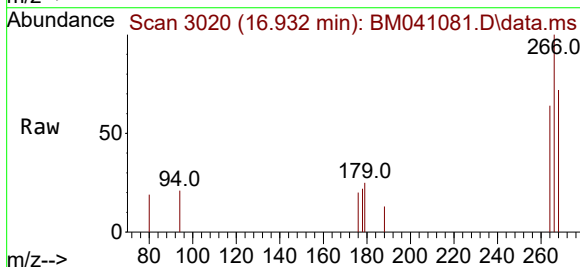
Tgt Ion:266 Resp: 958

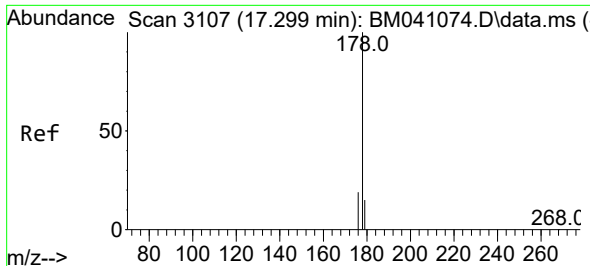
Ion Ratio Lower Upper

266 100

264 61.5 49.2 73.8

268 66.4 49.9 74.9

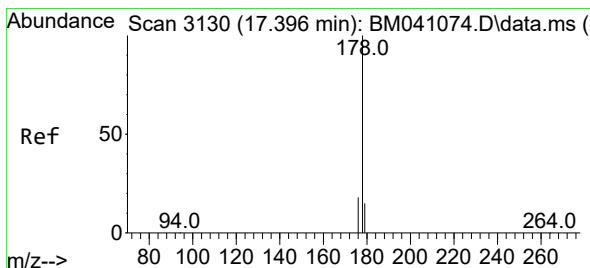
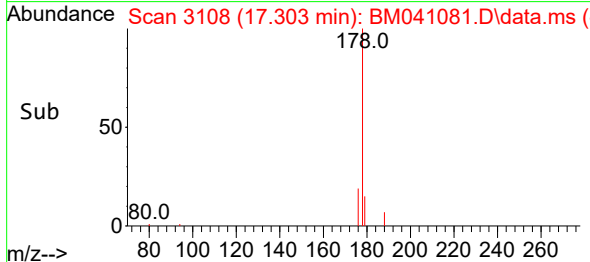
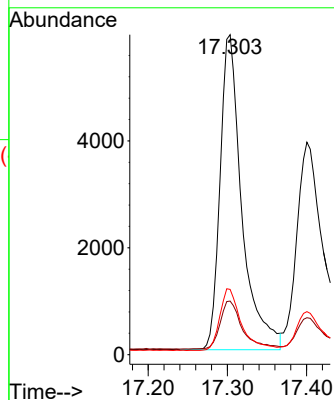
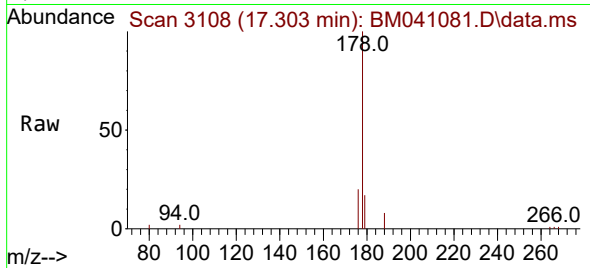




#15
Phenanthrene
Concen: 0.421 ng/ul
RT: 17.303 min Scan# 3108
Delta R.T. 0.004 min
Lab File: BM041081.D
Acq: 24 Jul 2023 18:50

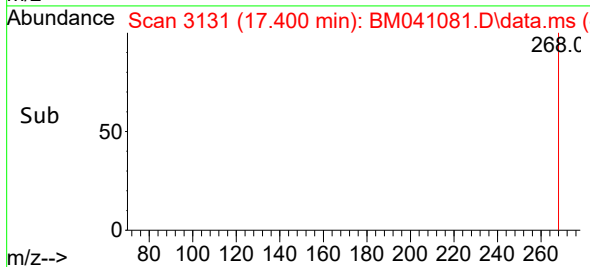
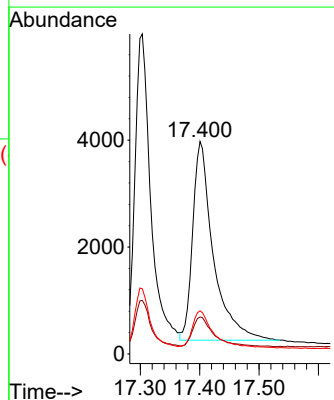
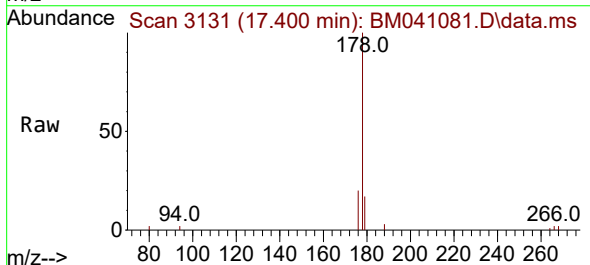
Instrument :
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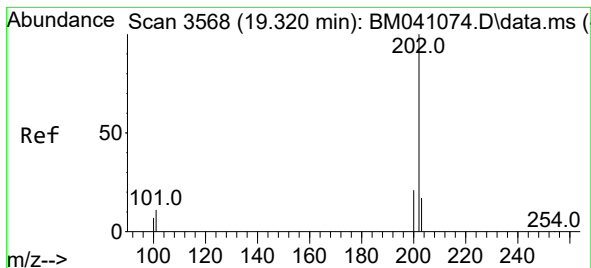
Tgt Ion:178 Resp: 11313
Ion Ratio Lower Upper
178 100
179 16.8 13.4 20.2
176 20.4 16.0 24.0



#16
Anthracene
Concen: 0.412 ng/ul
RT: 17.400 min Scan# 3131
Delta R.T. 0.004 min
Lab File: BM041081.D
Acq: 24 Jul 2023 18:50

Tgt Ion:178 Resp: 8970
Ion Ratio Lower Upper
178 100
179 17.4 13.6 20.4
176 20.3 16.0 24.0





#19

Fluoranthene

Concen: 0.420 ng/ul

RT: 19.320 min Scan# 3568

Delta R.T. 0.000 min

Lab File: BM041081.D

Acq: 24 Jul 2023 18:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.4195

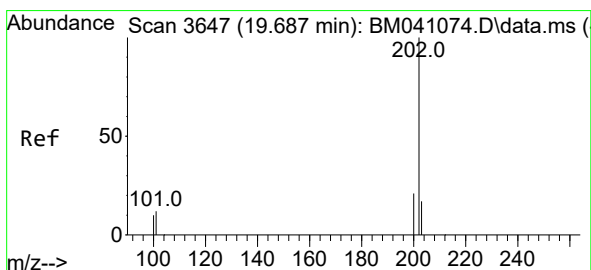
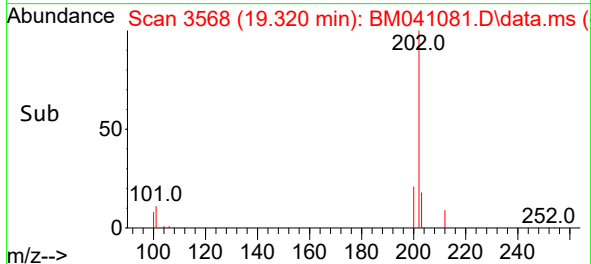
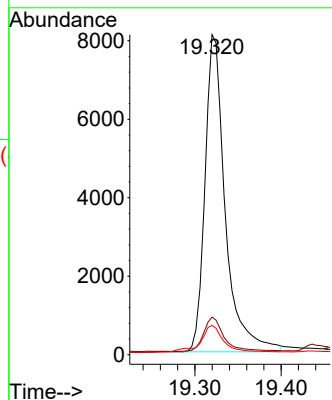
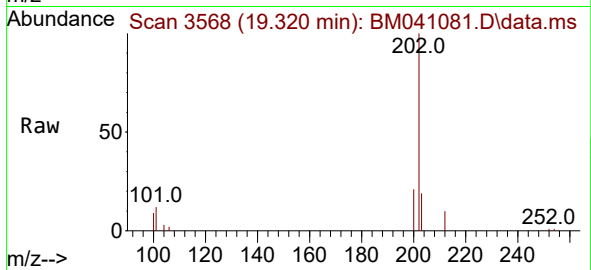
Tgt Ion:202 Resp: 13245

Ion Ratio Lower Upper

202 100

101 11.8 9.4 14.0

100 9.1 7.1 10.7



#20

Pyrene

Concen: 0.418 ng/ul

RT: 19.687 min Scan# 3647

Delta R.T. 0.000 min

Lab File: BM041081.D

Acq: 24 Jul 2023 18:50

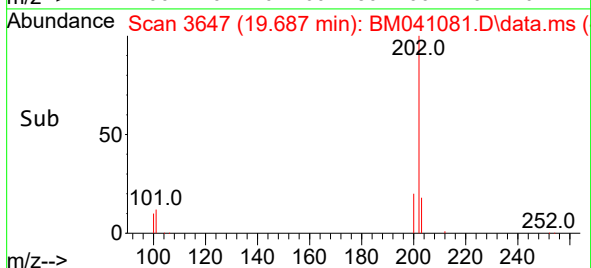
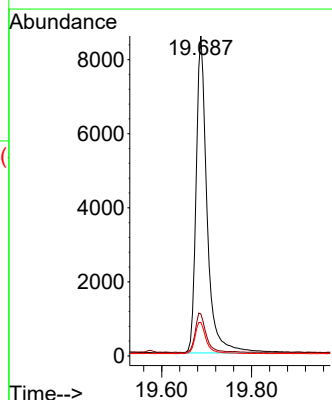
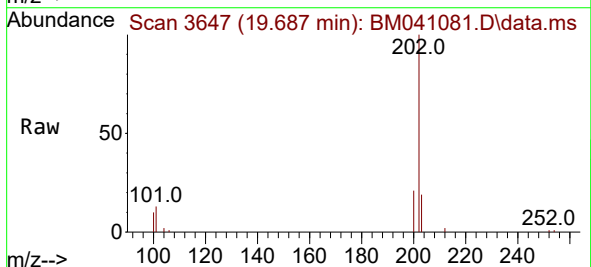
Tgt Ion:202 Resp: 14528

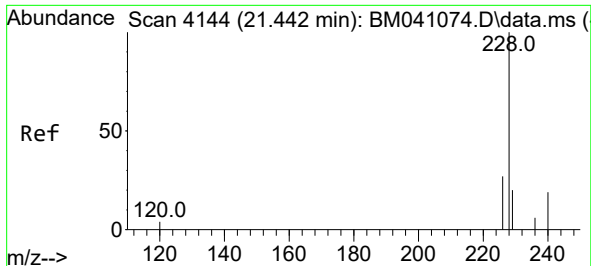
Ion Ratio Lower Upper

202 100

101 13.1 10.7 16.1

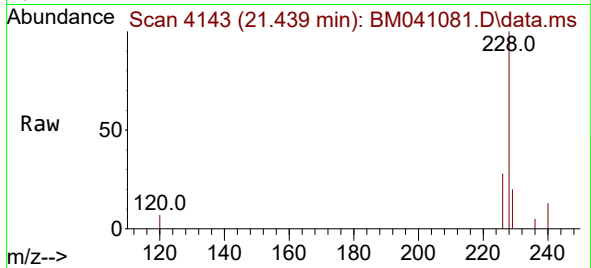
100 10.5 8.5 12.7



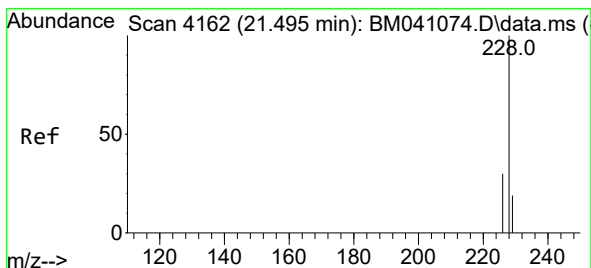
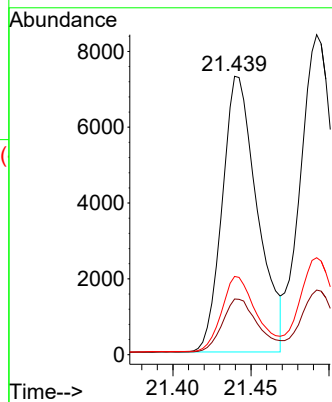
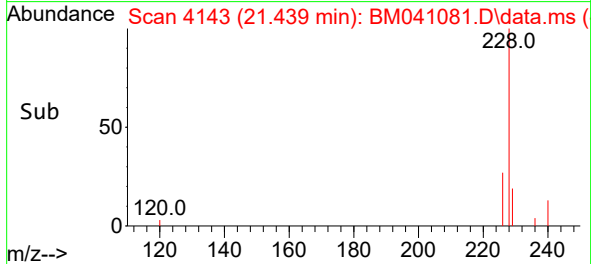


#21
Benzo(a)anthracene
Concen: 0.388 ng/ul
RT: 21.439 min Scan# 4143
Delta R.T. -0.003 min
Lab File: BM041081.D
Acq: 24 Jul 2023 18:50

Instrument :
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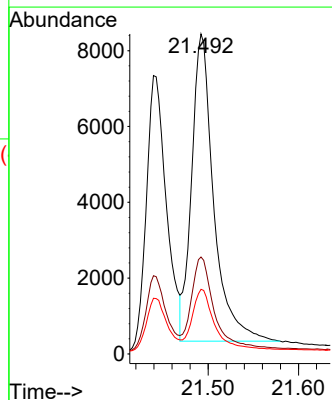
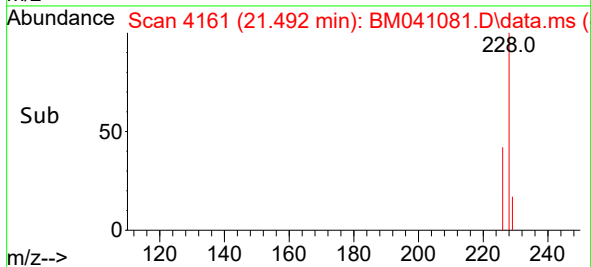
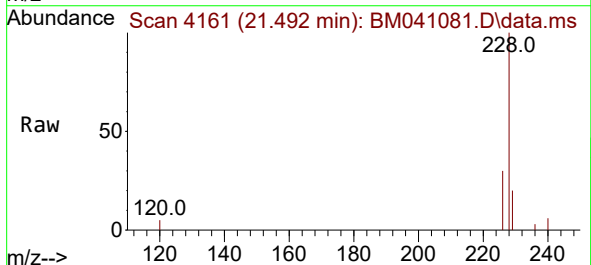


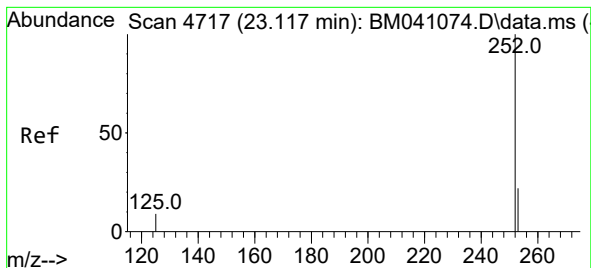
Tgt Ion:228 Resp: 11406
Ion Ratio Lower Upper
228 100
229 20.0 16.5 24.7
226 28.1 22.2 33.2



#22
Chrysene
Concen: 0.405 ng/ul
RT: 21.492 min Scan# 4161
Delta R.T. -0.003 min
Lab File: BM041081.D
Acq: 24 Jul 2023 18:50

Tgt Ion:228 Resp: 13746
Ion Ratio Lower Upper
228 100
226 30.3 24.2 36.4
229 20.2 15.9 23.9





#24

Benzo(b)fluoranthene

Concen: 0.433 ng/ul

RT: 23.111 min Scan# 4715

Delta R.T. -0.006 min

Lab File: BM041081.D

Acq: 24 Jul 2023 18:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.4195

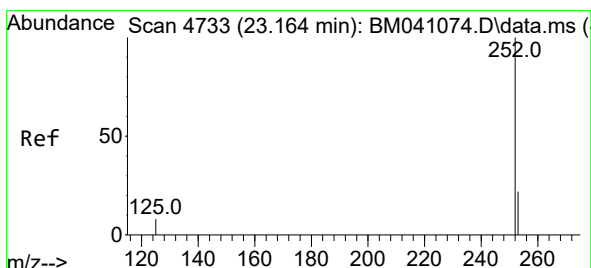
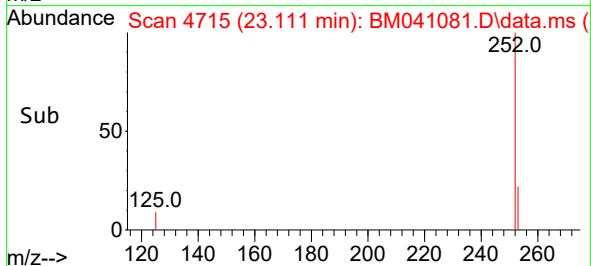
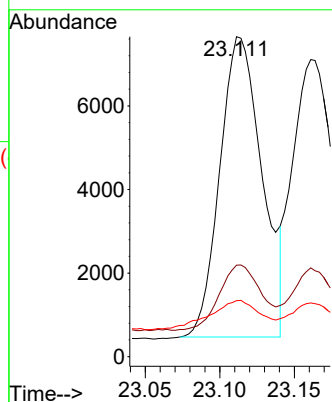
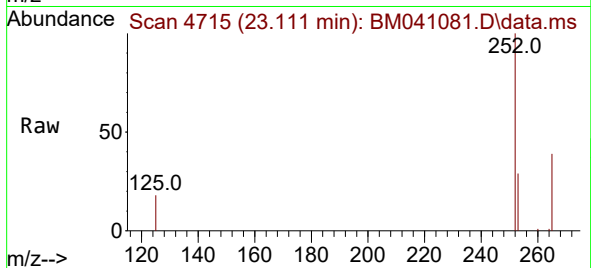
Tgt Ion:252 Resp: 14161

Ion Ratio Lower Upper

252 100

253 28.6 0.0 57.6

125 17.5 0.0 33.6



#25

Benzo(k)fluoranthene

Concen: 0.444 ng/ul

RT: 23.161 min Scan# 4732

Delta R.T. -0.003 min

Lab File: BM041081.D

Acq: 24 Jul 2023 18:50

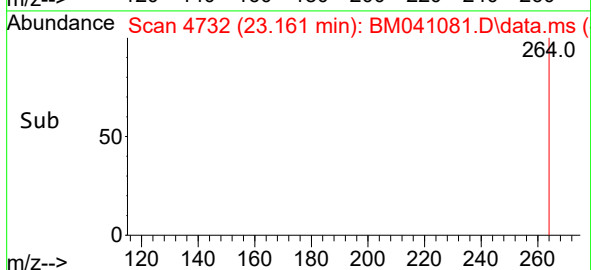
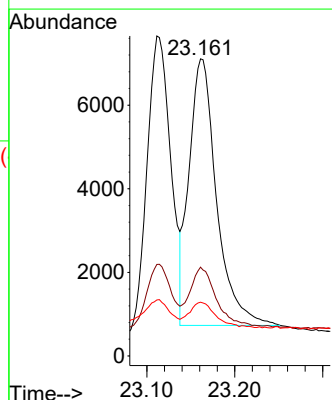
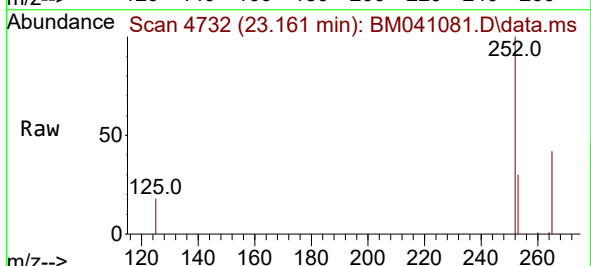
Tgt Ion:252 Resp: 13874

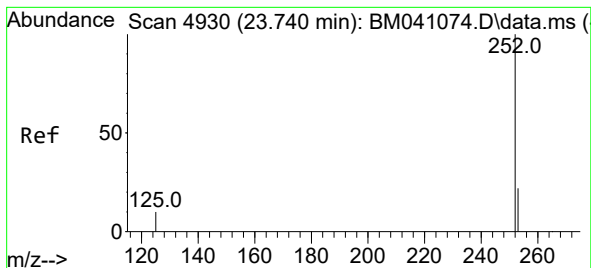
Ion Ratio Lower Upper

252 100

253 29.9 22.8 34.2

125 18.1 13.5 20.3

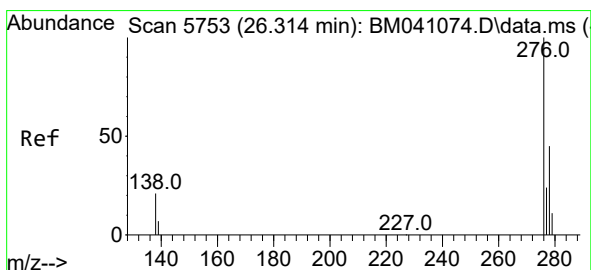
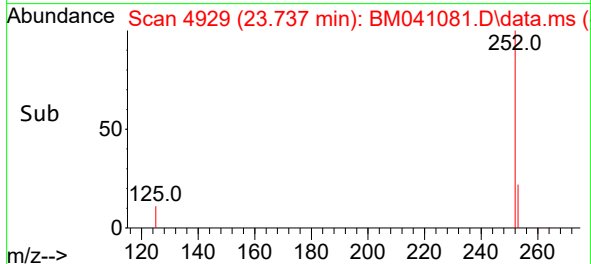
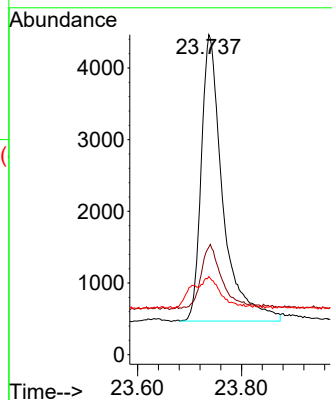
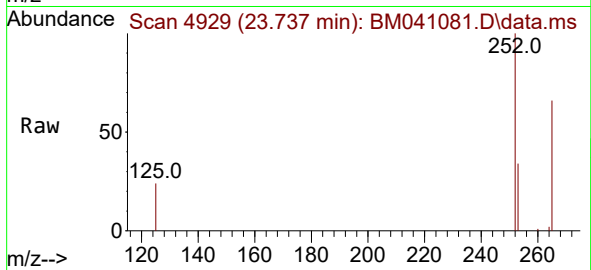




#26
Benzo(a)pyrene
Concen: 0.432 ng/ul
RT: 23.737 min Scan# 4930
Delta R.T. -0.003 min
Lab File: BM041081.D
Acq: 24 Jul 2023 18:50

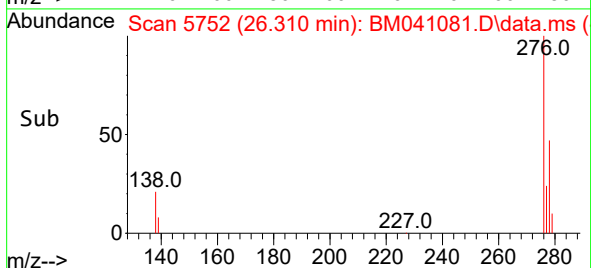
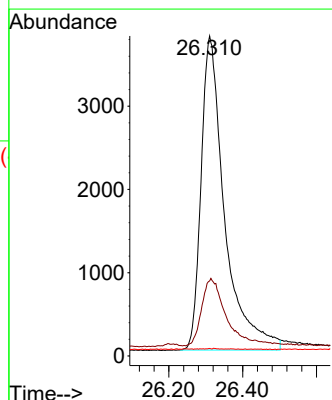
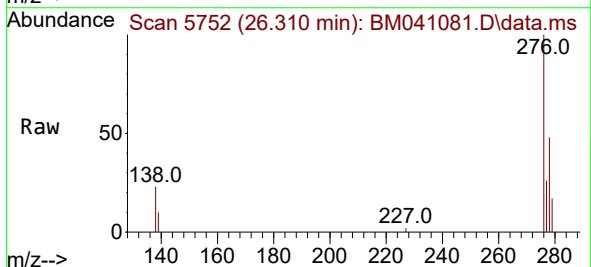
Instrument :
BNA_M
ClientSampleId :
SSTD0.4195

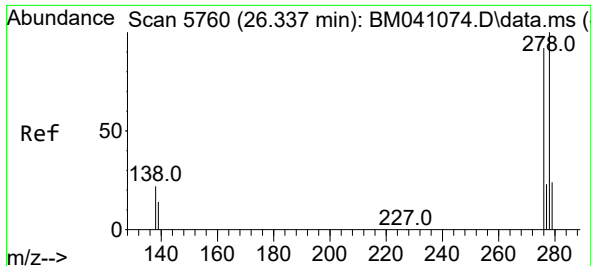
Tgt Ion:252 Resp: 11455
Ion Ratio Lower Upper
252 100
253 33.6 26.7 40.1
125 24.4 18.1 27.1



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.425 ng/ul
RT: 26.310 min Scan# 5752
Delta R.T. -0.003 min
Lab File: BM041081.D
Acq: 24 Jul 2023 18:50

Tgt Ion:276 Resp: 16670
Ion Ratio Lower Upper
276 100
138 22.6 18.1 27.1
227 0.0 0.2 0.2#

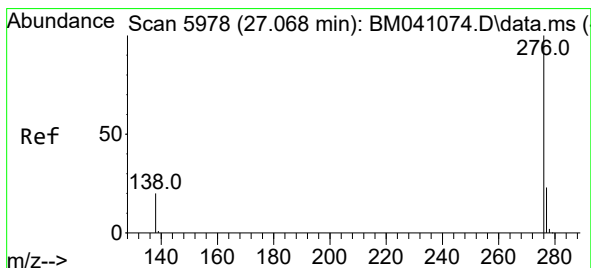
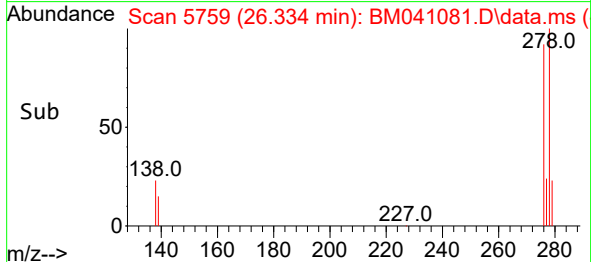
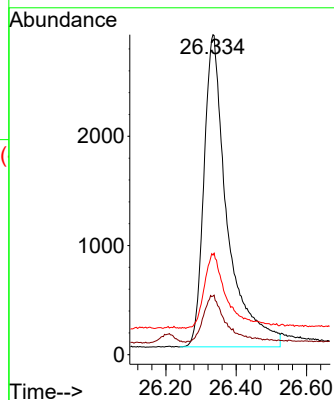
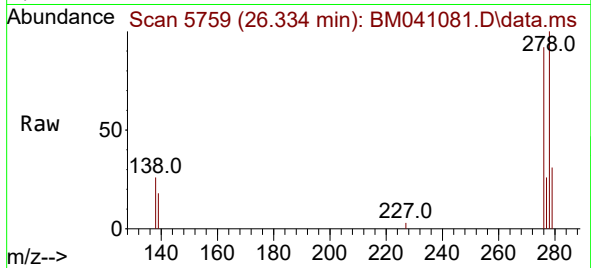




#28
Dibenzo(a,h)anthracene
Concen: 0.427 ng/ul
RT: 26.334 min Scan# 51
Delta R.T. -0.003 min
Lab File: BM041081.D
Acq: 24 Jul 2023 18:50

Instrument :
BNA_M
ClientSampleId :
SSTD0.4195

Tgt Ion:278 Resp: 13139
Ion Ratio Lower Upper
278 100
139 18.3 14.1 21.1
279 31.1 25.0 37.4



#29
Benzo(g,h,i)perylene
Concen: 0.429 ng/ul
RT: 27.068 min Scan# 5978
Delta R.T. 0.000 min
Lab File: BM041081.D
Acq: 24 Jul 2023 18:50

Tgt Ion:276 Resp: 15037
Ion Ratio Lower Upper
276 100
138 23.3 18.2 27.2
277 26.0 20.6 30.8

