

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042723\
 Data File : BM039701.D
 Acq On : 27 Apr 2023 10:36
 Operator : CG/JU
 Sample : SST0.247
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST0.2023

Quant Time: Apr 27 22:36:26 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 27 16:04:50 2023
 Response via : Initial Calibration

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

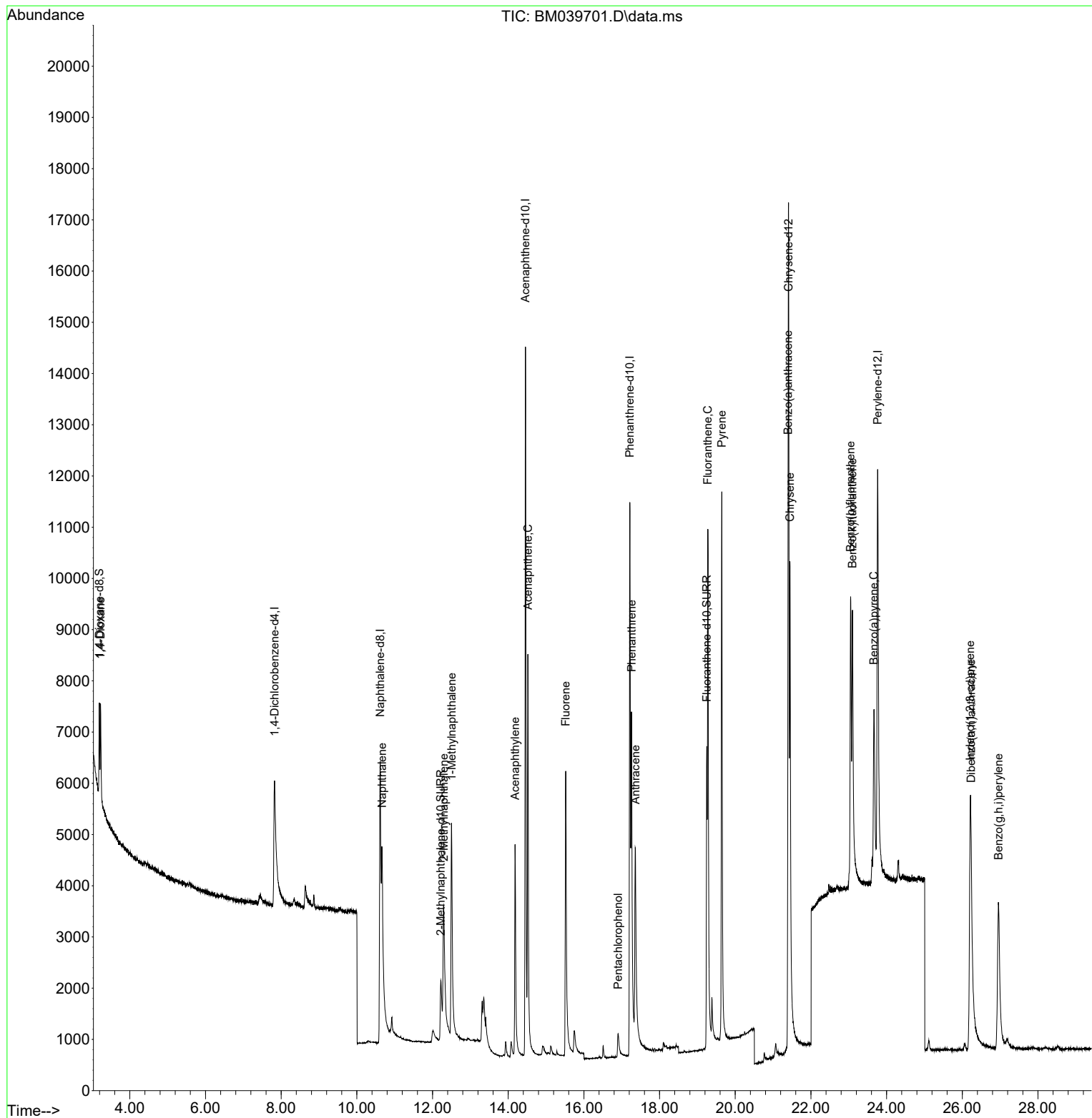
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	3817	0.400	ng/ul	0.00
4) Naphthalene-d8	10.617	136	14942	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.455	164	9057	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.212	188	17042	0.400	ng/ul	0.00
17) Chrysene-d12	21.410	240	15856	0.400	ng/ul	0.00
23) Perylene-d12	23.763	264	13484	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	1145	0.204	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.217	152	3611	0.188	ng/ul	0.00
18) Fluoranthene-d10	19.248	212	8198	0.192	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.226	88	1177	0.202	ng/ul#	54
5) Naphthalene	10.666	128	7289	0.194	ng/ul	96
7) 2-Methylnaphthalene	12.294	142	4002	0.185	ng/ul	99
8) 1-Methylnaphthalene	12.503	142	4332	0.186	ng/ul	99
10) Acenaphthylene	14.182	152	6479	0.185	ng/ul	98
11) Acenaphthene	14.520	153	5192	0.189	ng/ul	98
12) Fluorene	15.519	166	5640	0.185	ng/ul	98
14) Pentachlorophenol	16.904	266	665	0.179	ng/ul	97
15) Phenanthrene	17.259	178	8617	0.192	ng/ul	98
16) Anthracene	17.360	178	6984	0.181	ng/ul	99
19) Fluoranthene	19.276	202	10749	0.190	ng/ul	96
20) Pyrene	19.643	202	11816	0.193	ng/ul	97
21) Benzo(a)anthracene	21.395	228	8448	0.185	ng/ul	98
22) Chrysene	21.448	228	9834	0.191	ng/ul	99
24) Benzo(b)fluoranthene	23.049	252	8733	0.184	ng/ul	87
25) Benzo(k)fluoranthene	23.096	252	8625	0.179	ng/ul#	86
26) Benzo(a)pyrene	23.666	252	7974	0.188	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	26.209	276	9602	0.179	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.232	278	7401	0.177	ng/ul#	88
29) Benzo(g,h,i)perylene	26.957	276	8520	0.182	ng/ul	95

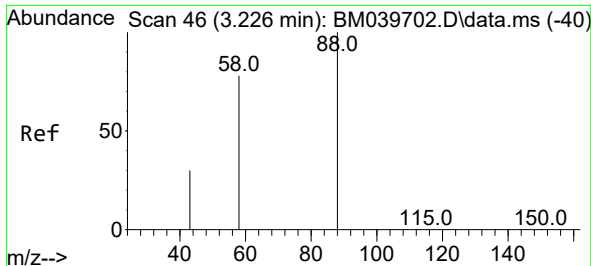
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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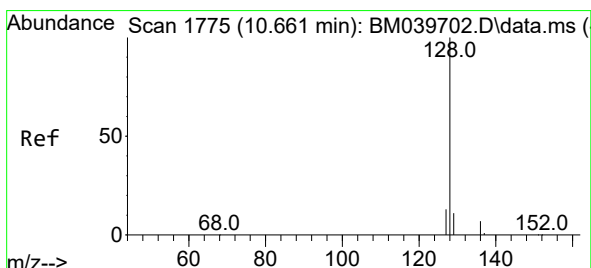
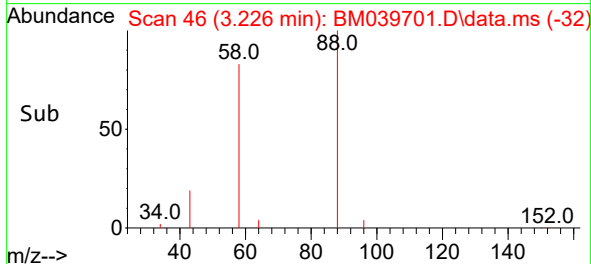
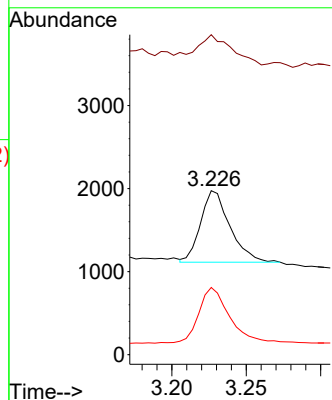
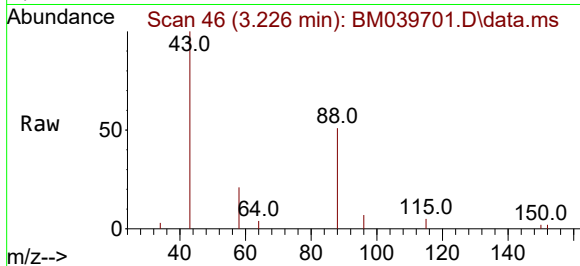




#2
1,4-Dioxane
Concen: 0.202 ng/ul
RT: 3.226 min Scan# 46
Delta R.T. -0.000 min
Lab File: BM039701.D
Acq: 27 Apr 2023 10:36

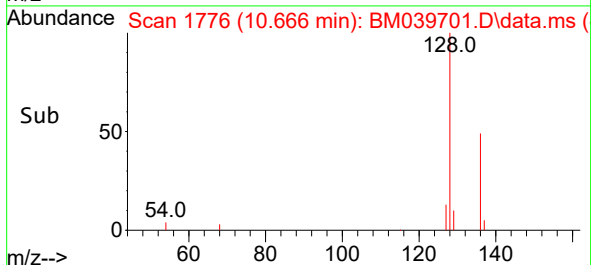
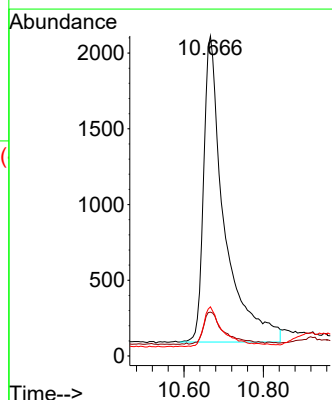
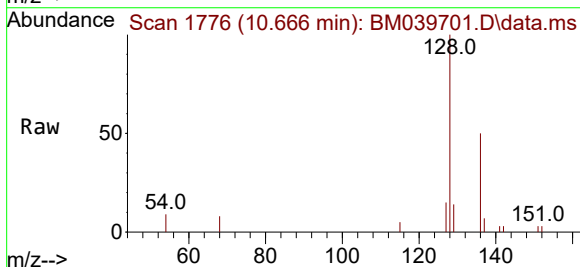
Instrument :
BNA_M
ClientSampleId :
SSTD0.2023

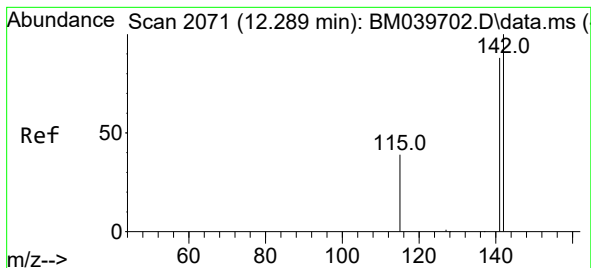
Tgt Ion: 88 Resp: 1177
Ion Ratio Lower Upper
88 100
43 195.2 102.6 153.8#
58 41.0 40.6 61.0



#5
Naphthalene
Concen: 0.194 ng/ul
RT: 10.666 min Scan# 1776
Delta R.T. 0.005 min
Lab File: BM039701.D
Acq: 27 Apr 2023 10:36

Tgt Ion: 128 Resp: 7289
Ion Ratio Lower Upper
128 100
129 13.7 9.8 14.6
127 15.4 11.1 16.7

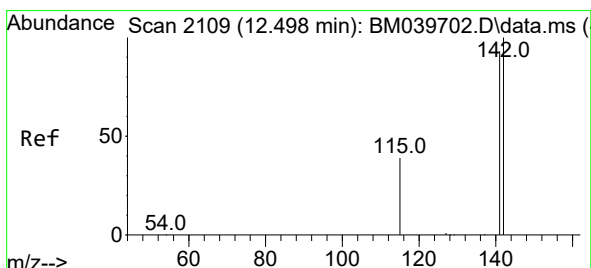
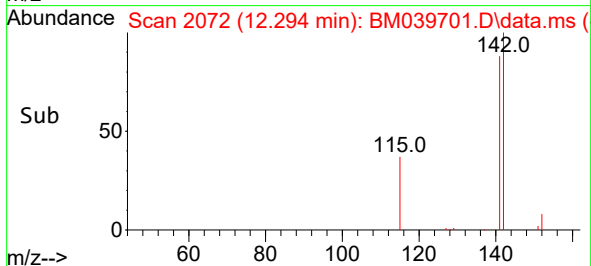
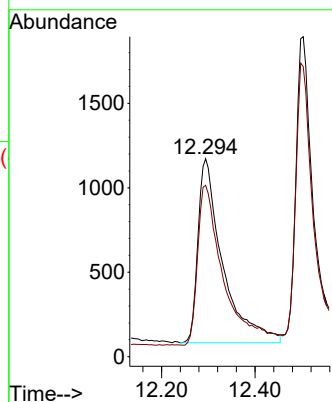
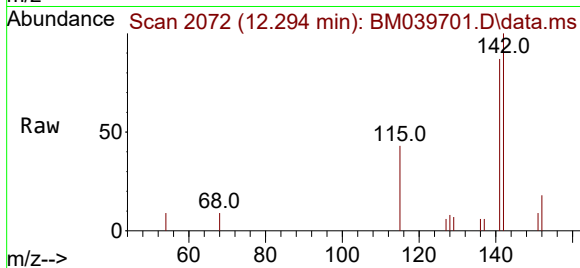




#7
2-Methylnaphthalene
Concen: 0.185 ng/ul
RT: 12.294 min Scan# 2071
Delta R.T. 0.005 min
Lab File: BM039701.D
Acq: 27 Apr 2023 10:36

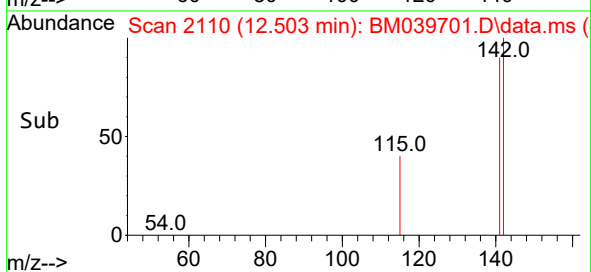
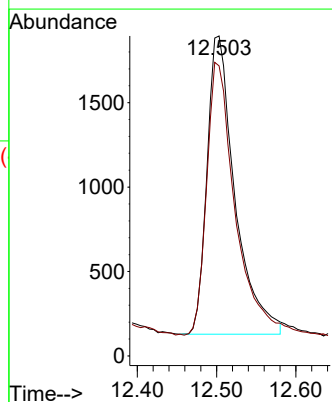
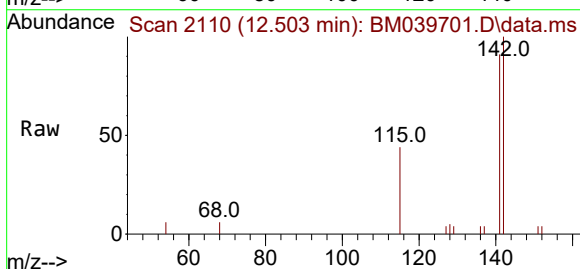
Instrument :
BNA_M
ClientSampleId :
SSTD0.2023

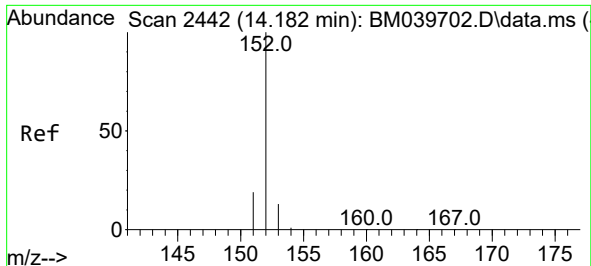
Tgt Ion:142 Resp: 4002
Ion Ratio Lower Upper
142 100
141 92.4 73.2 109.8



#8
1-Methylnaphthalene
Concen: 0.186 ng/ul
RT: 12.503 min Scan# 2110
Delta R.T. 0.005 min
Lab File: BM039701.D
Acq: 27 Apr 2023 10:36

Tgt Ion:142 Resp: 4332
Ion Ratio Lower Upper
142 100
141 92.6 73.4 110.2

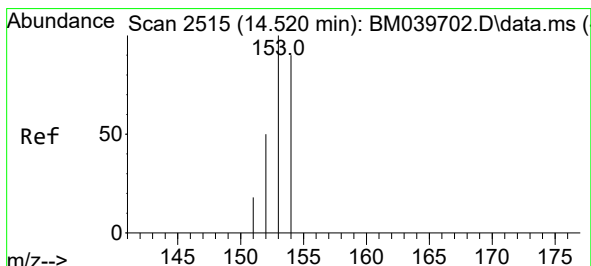
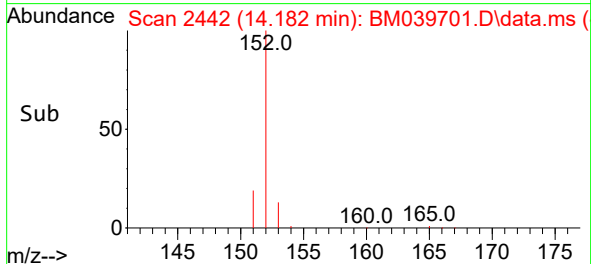
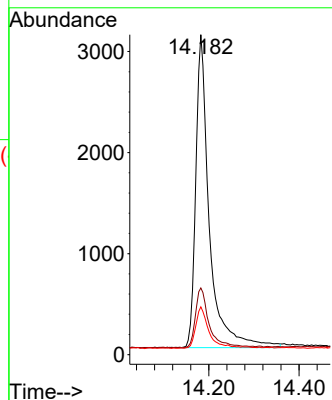
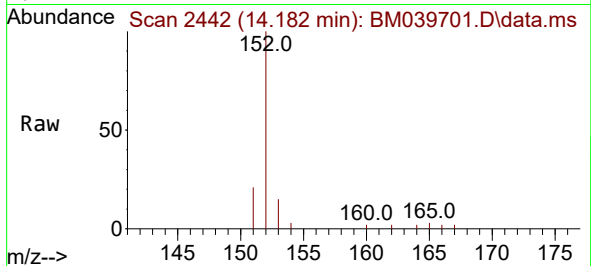




#10
Acenaphthylene
Concen: 0.185 ng/ul
RT: 14.182 min Scan# 2442
Delta R.T. -0.000 min
Lab File: BM039701.D
Acq: 27 Apr 2023 10:36

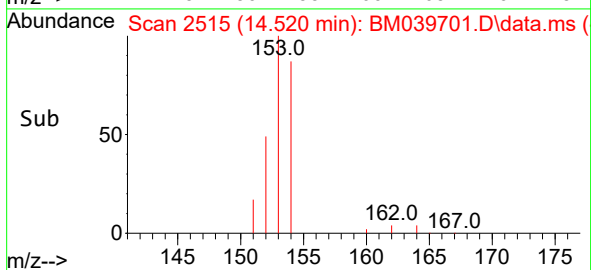
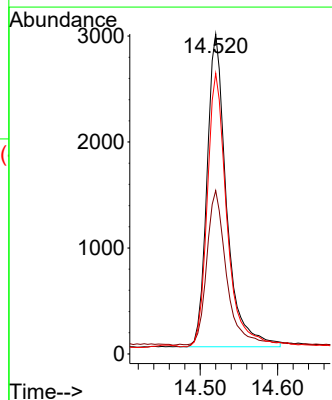
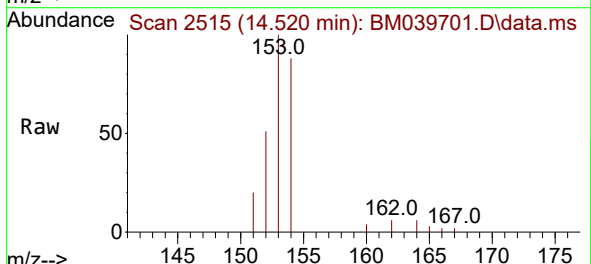
Instrument :
BNA_M
ClientSampleId :
SSTD0.2023

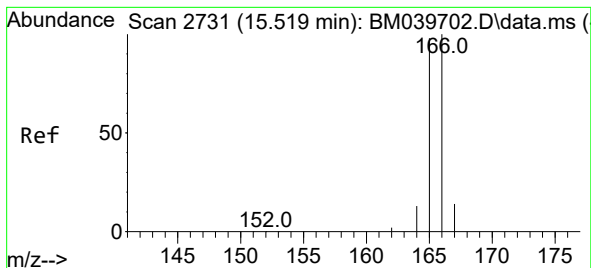
Tgt Ion:152 Resp: 6479
Ion Ratio Lower Upper
152 100
151 20.9 16.0 24.0
153 14.9 11.2 16.8



#11
Acenaphthene
Concen: 0.189 ng/ul
RT: 14.520 min Scan# 2515
Delta R.T. -0.000 min
Lab File: BM039701.D
Acq: 27 Apr 2023 10:36

Tgt Ion:153 Resp: 5192
Ion Ratio Lower Upper
153 100
152 51.1 40.6 61.0
154 87.7 71.9 107.9





#12

Fluorene

Concen: 0.185 ng/ul

RT: 15.519 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM039701.D

Acq: 27 Apr 2023 10:36

Instrument :

BNA_M

ClientSampleId :

SSTD0.2023

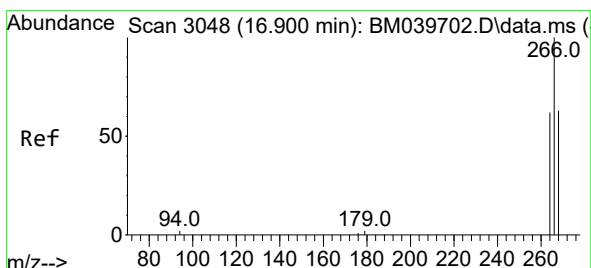
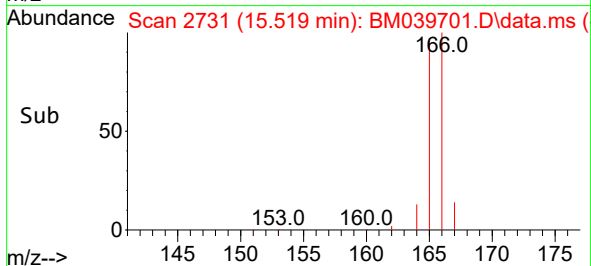
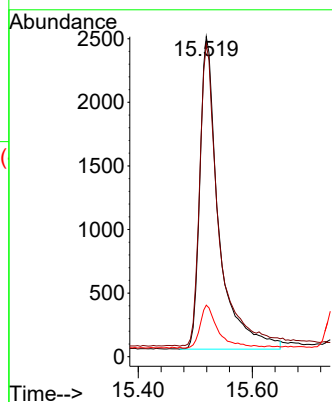
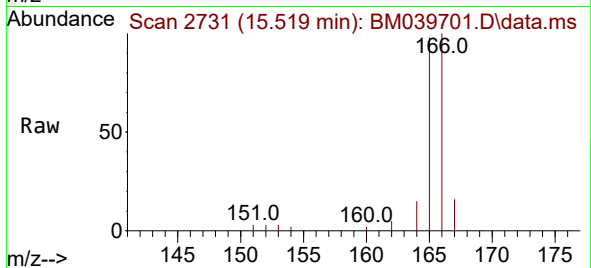
Tgt Ion:166 Resp: 5640

Ion Ratio Lower Upper

166 100

165 97.6 79.0 118.6

167 16.1 11.8 17.6



#14

Pentachlorophenol

Concen: 0.179 ng/ul

RT: 16.904 min Scan# 3049

Delta R.T. 0.004 min

Lab File: BM039701.D

Acq: 27 Apr 2023 10:36

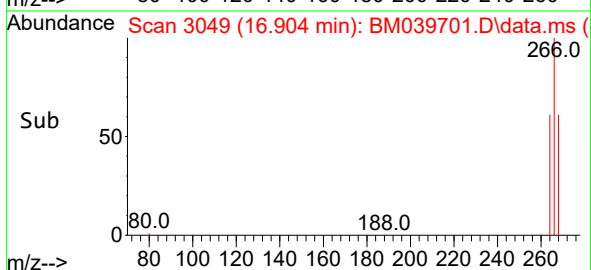
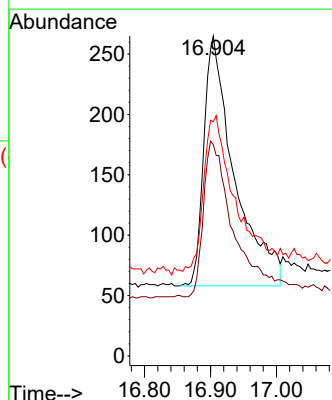
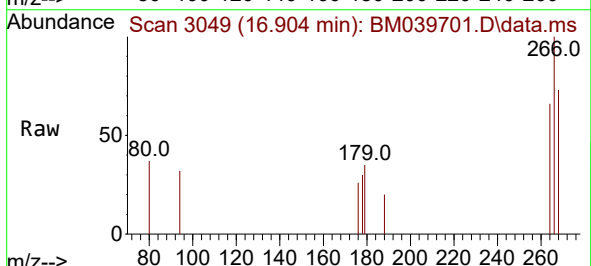
Tgt Ion:266 Resp: 665

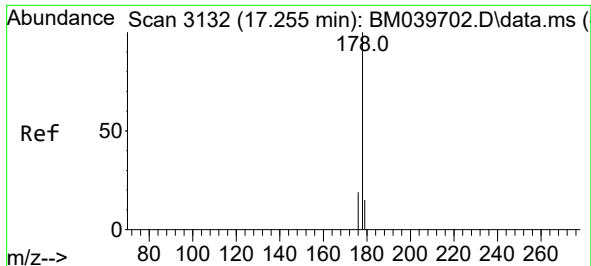
Ion Ratio Lower Upper

266 100

264 62.4 48.8 73.2

268 66.3 50.4 75.6

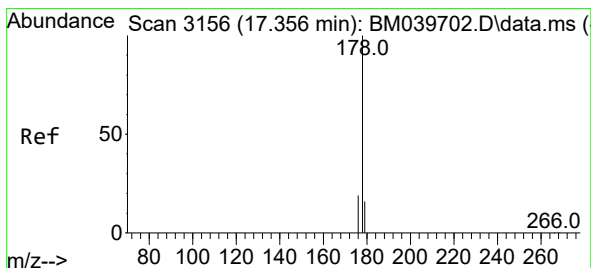
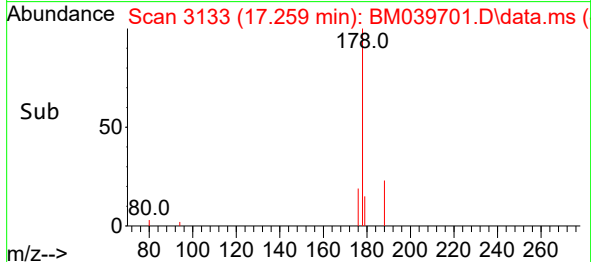
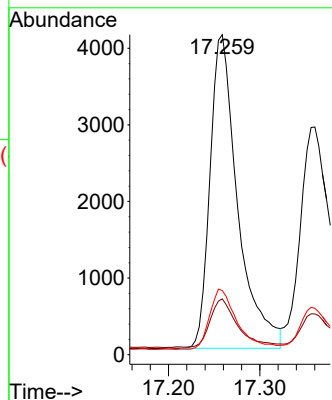
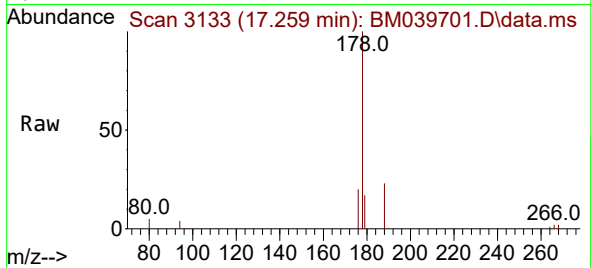




#15
Phenanthrene
Concen: 0.192 ng/ul
RT: 17.259 min Scan# 3132
Delta R.T. 0.004 min
Lab File: BM039701.D
Acq: 27 Apr 2023 10:36

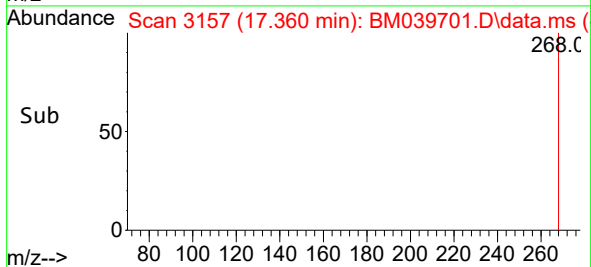
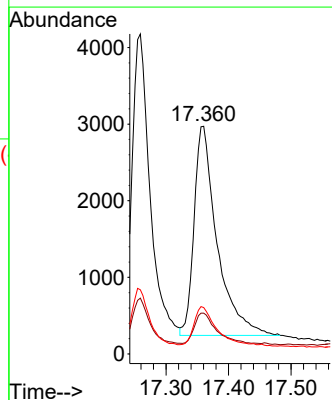
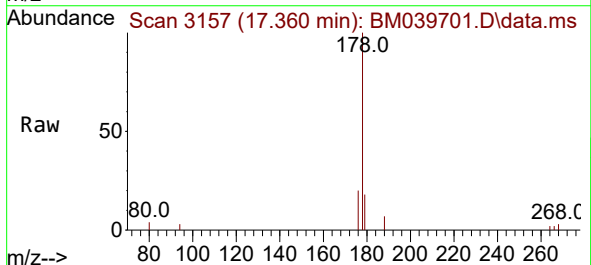
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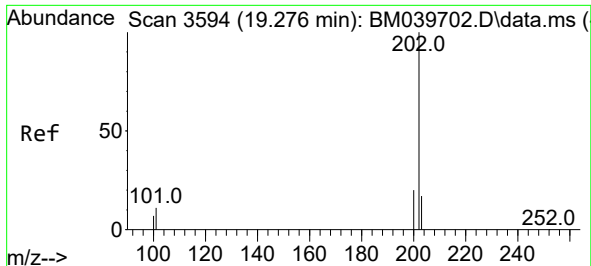
Tgt Ion:178 Resp: 8617
Ion Ratio Lower Upper
178 100
179 17.5 13.0 19.6
176 20.0 15.8 23.8



#16
Anthracene
Concen: 0.181 ng/ul
RT: 17.360 min Scan# 3157
Delta R.T. 0.004 min
Lab File: BM039701.D
Acq: 27 Apr 2023 10:36

Tgt Ion:178 Resp: 6984
Ion Ratio Lower Upper
178 100
179 17.9 13.8 20.6
176 20.4 15.8 23.8

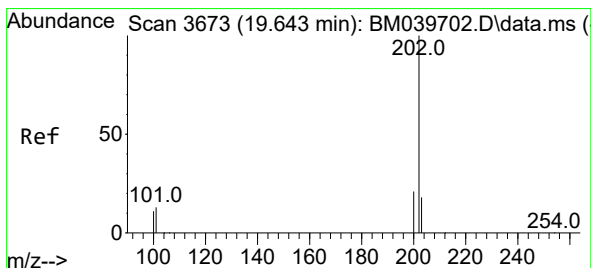
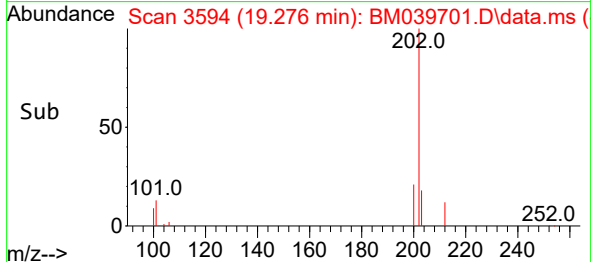
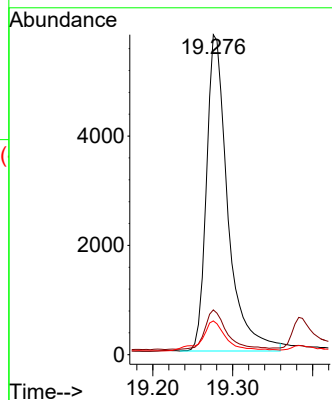
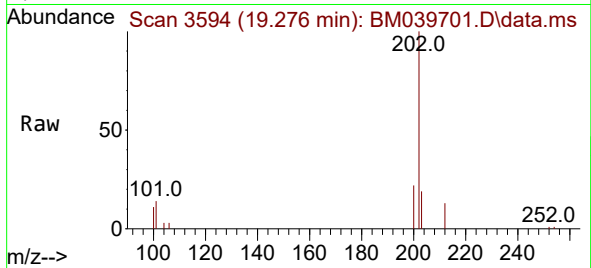




#19
Fluoranthene
Concen: 0.190 ng/ul
RT: 19.276 min Scan# 3594
Delta R.T. -0.000 min
Lab File: BM039701.D
Acq: 27 Apr 2023 10:36

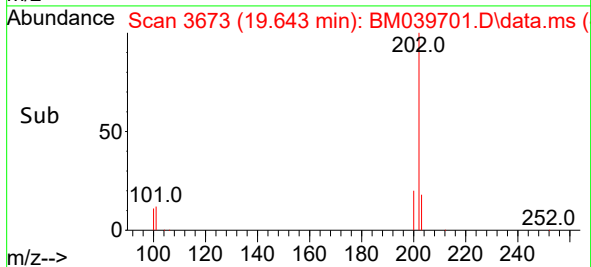
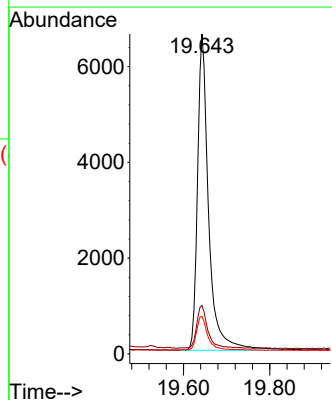
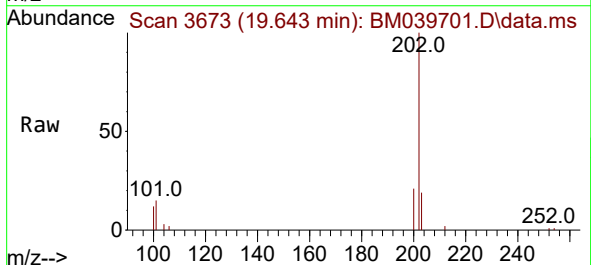
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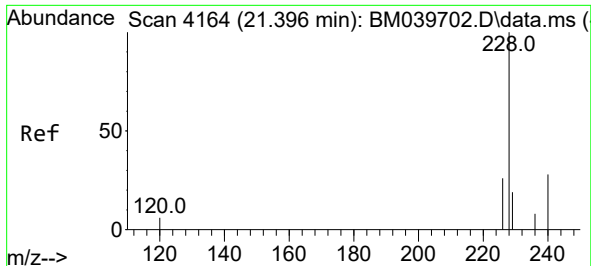
Tgt Ion:202 Resp: 10749
Ion Ratio Lower Upper
202 100
101 14.0 9.8 14.8
100 10.6 7.3 10.9



#20
Pyrene
Concen: 0.193 ng/ul
RT: 19.643 min Scan# 3673
Delta R.T. -0.000 min
Lab File: BM039701.D
Acq: 27 Apr 2023 10:36

Tgt Ion:202 Resp: 11816
Ion Ratio Lower Upper
202 100
101 15.2 10.9 16.3
100 11.7 8.9 13.3

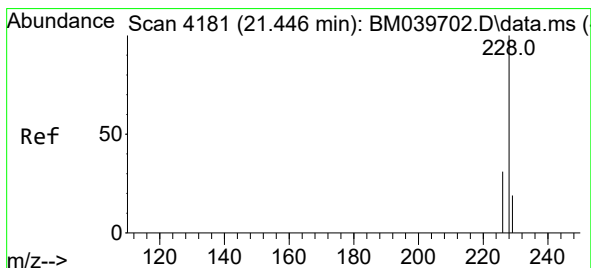
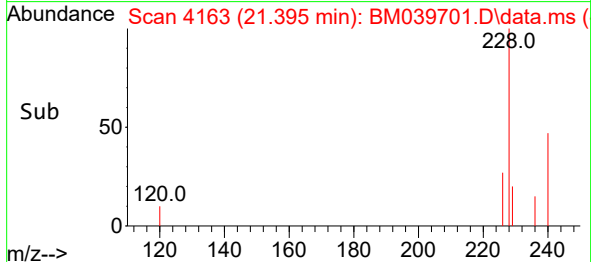
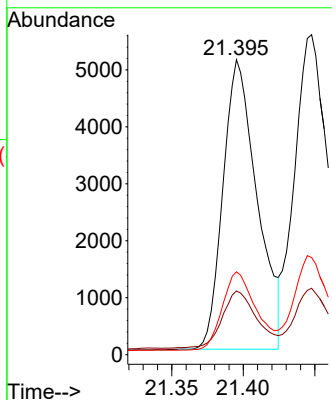
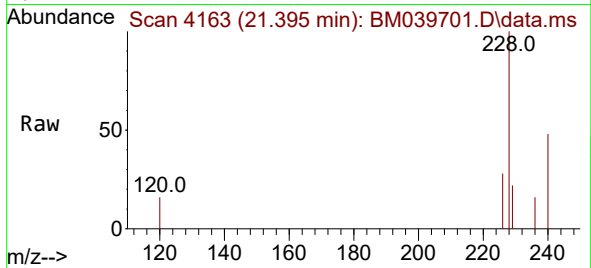




#21
Benzo(a)anthracene
Concen: 0.185 ng/ul
RT: 21.395 min Scan# 4164
Delta R.T. -0.001 min
Lab File: BM039701.D
Acq: 27 Apr 2023 10:36

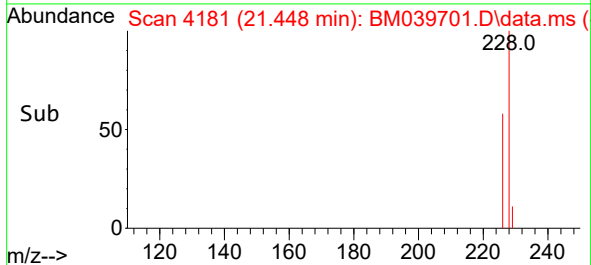
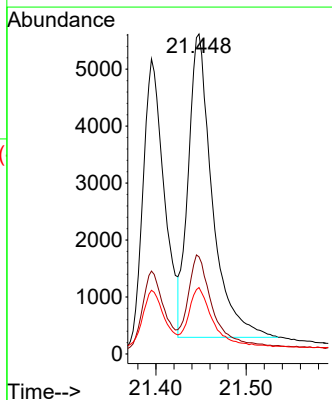
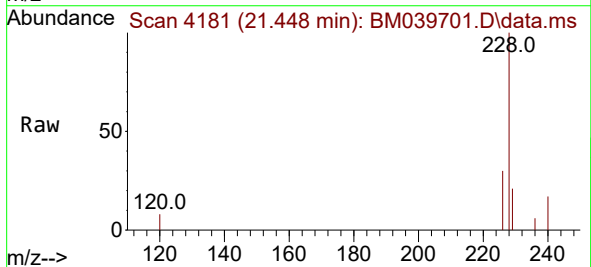
Instrument :
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ClientSampleId :
SSTD0.2023

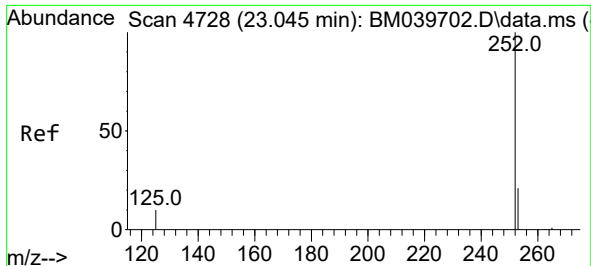
Tgt Ion:228 Resp: 8448
Ion Ratio Lower Upper
228 100
229 21.6 16.2 24.2
226 28.1 21.6 32.4



#22
Chrysene
Concen: 0.191 ng/ul
RT: 21.448 min Scan# 4181
Delta R.T. 0.002 min
Lab File: BM039701.D
Acq: 27 Apr 2023 10:36

Tgt Ion:228 Resp: 9834
Ion Ratio Lower Upper
228 100
226 30.4 24.3 36.5
229 20.7 15.9 23.9

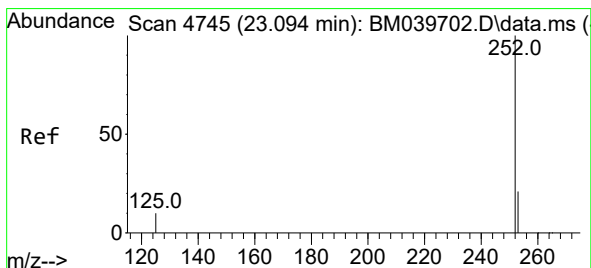
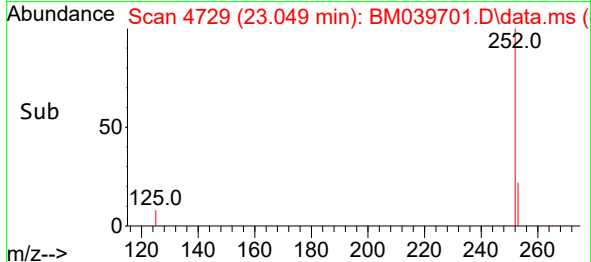
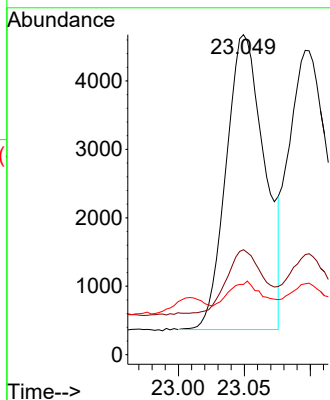
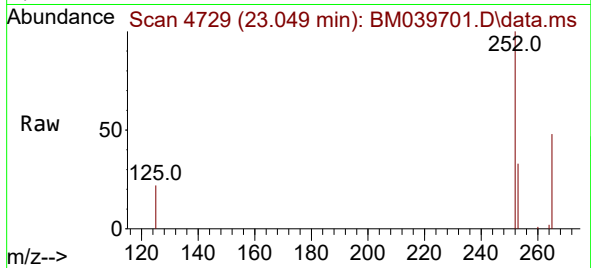




#24
Benzo(b)fluoranthene
Concen: 0.184 ng/ul
RT: 23.049 min Scan# 4729
Delta R.T. 0.005 min
Lab File: BM039701.D
Acq: 27 Apr 2023 10:36

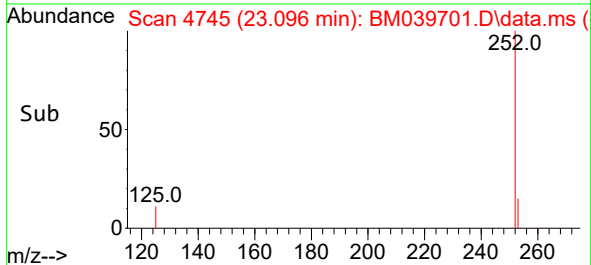
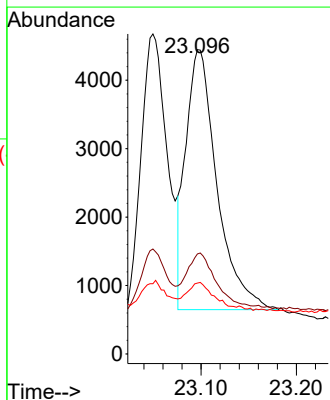
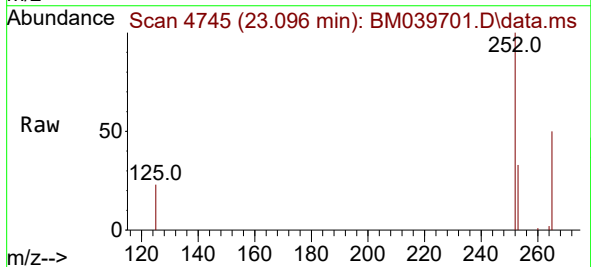
Instrument :
BNA_M
ClientSampleId :
SSTD0.2023

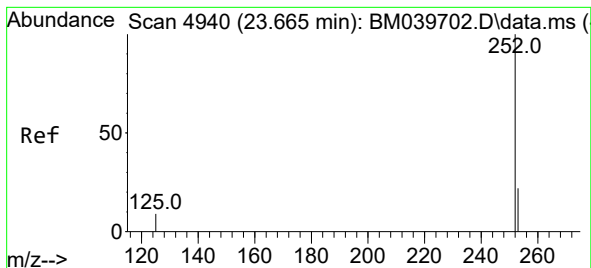
Tgt Ion:252 Resp: 8733
Ion Ratio Lower Upper
252 100
253 32.8 0.0 52.8
125 22.0 0.0 31.6



#25
Benzo(k)fluoranthene
Concen: 0.179 ng/ul
RT: 23.096 min Scan# 4745
Delta R.T. 0.002 min
Lab File: BM039701.D
Acq: 27 Apr 2023 10:36

Tgt Ion:252 Resp: 8625
Ion Ratio Lower Upper
252 100
253 32.9 21.3 31.9#
125 23.3 13.0 19.6#





#26

Benzo(a)pyrene

Concen: 0.188 ng/ul

RT: 23.666 min Scan# 4940

Delta R.T. 0.002 min

Lab File: BM039701.D

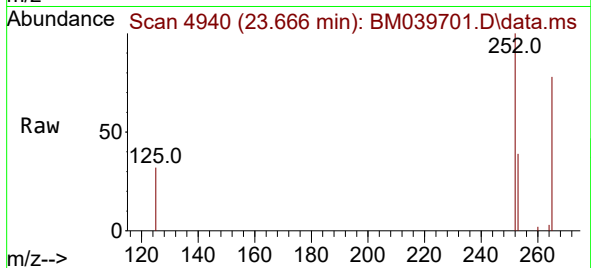
Acq: 27 Apr 2023 10:36

Instrument :

BNA_M

ClientSampleId :

SSTD0.2023



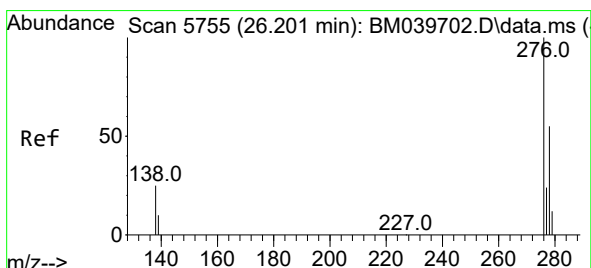
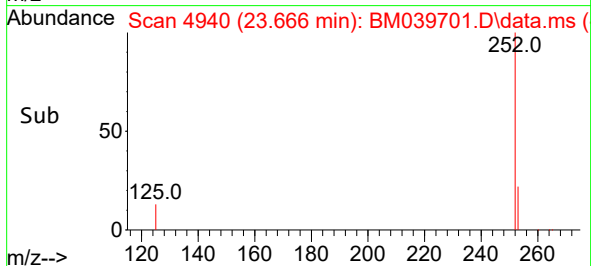
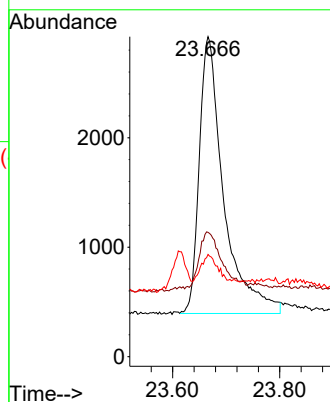
Tgt Ion:252 Resp: 7974

Ion Ratio Lower Upper

252 100

253 38.8 24.7 37.1#

125 32.0 16.5 24.7#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.179 ng/ul

RT: 26.209 min Scan# 5757

Delta R.T. 0.008 min

Lab File: BM039701.D

Acq: 27 Apr 2023 10:36

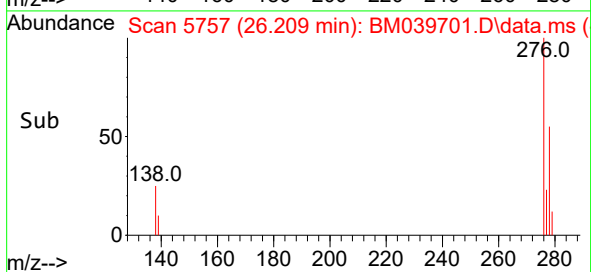
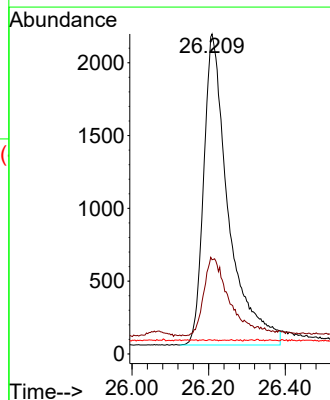
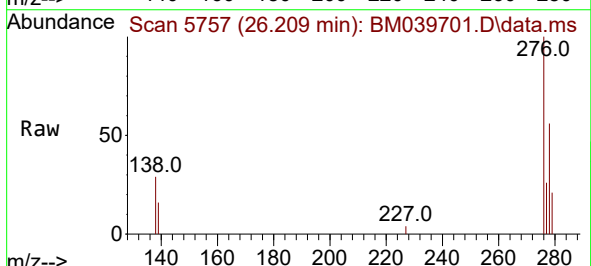
Tgt Ion:276 Resp: 9602

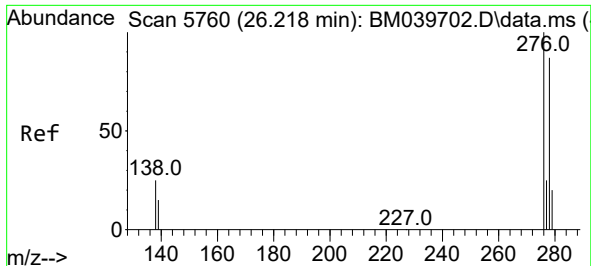
Ion Ratio Lower Upper

276 100

138 26.6 21.1 31.7

227 0.0 0.1 0.1#

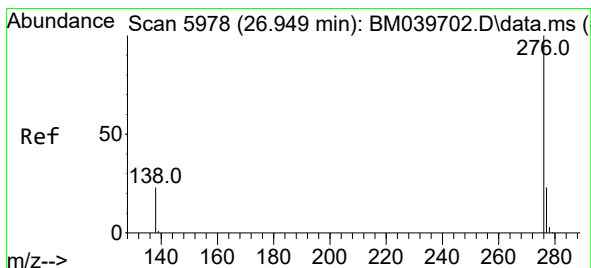
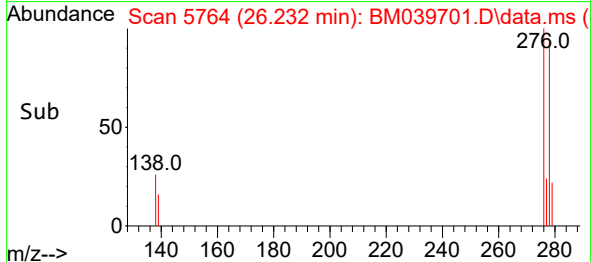
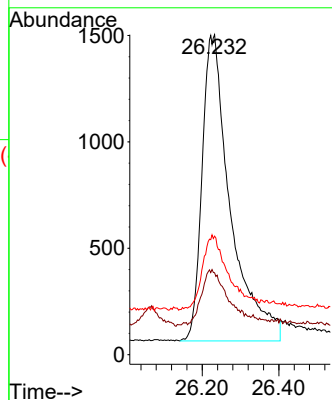
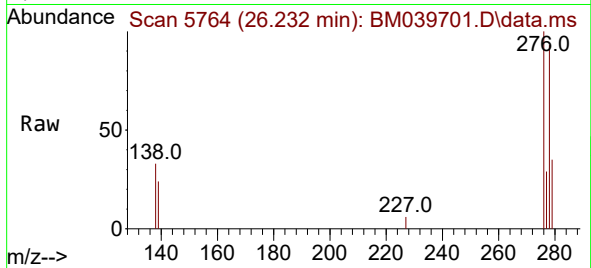




#28
Dibenzo(a,h)anthracene
Concen: 0.177 ng/ul
RT: 26.232 min Scan# 51
Delta R.T. 0.015 min
Lab File: BM039701.D
Acq: 27 Apr 2023 10:36

Instrument :
BNA_M
ClientSampleId :
SSTD0.2023

Tgt Ion:278 Resp: 7401
Ion Ratio Lower Upper
278 100
139 25.6 17.0 25.6#
279 37.0 23.4 35.2#



#29
Benzo(g,h,i)perylene
Concen: 0.182 ng/ul
RT: 26.957 min Scan# 5980
Delta R.T. 0.008 min
Lab File: BM039701.D
Acq: 27 Apr 2023 10:36

Tgt Ion:276 Resp: 8520
Ion Ratio Lower Upper
276 100
138 28.2 20.1 30.1
277 27.1 20.1 30.1

