

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041071.D
 Acq On : 24 Jul 2023 11:09
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4195

Quant Time: Jul 25 00:07:01 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

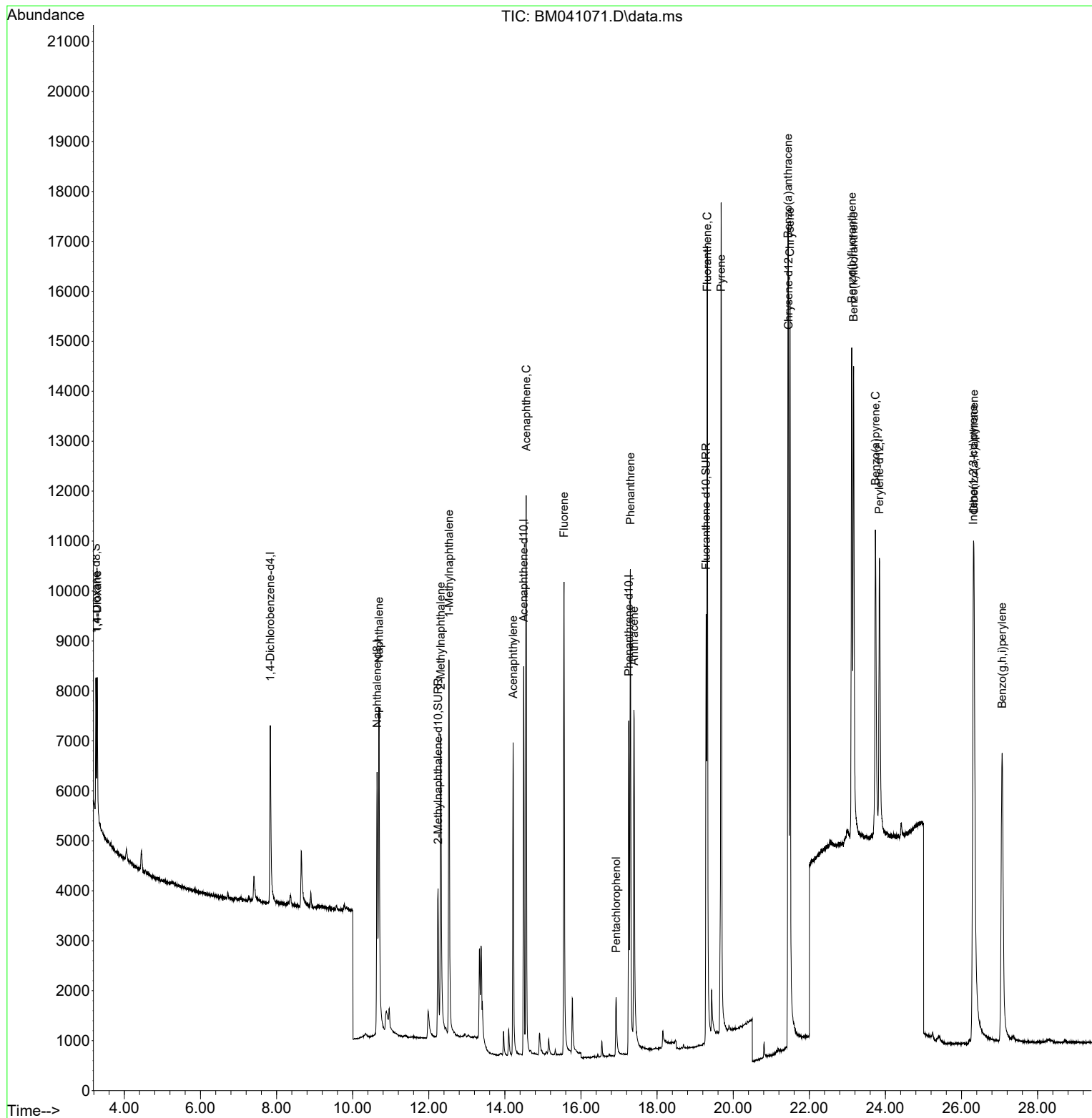
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.836	152	2661	0.400	ng/ul	0.00
4) Naphthalene-d8	10.642	136	8820	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.495	164	4511	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.257	188	9004	0.400	ng/ul	0.00
17) Chrysene-d12	21.454	240	9469	0.400	ng/ul	0.00
23) Perylene-d12	23.842	264	9072	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.254	96	1690	0.412	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.242	152	5400	0.429	ng/ul	0.00
18) Fluoranthene-d10	19.287	212	10817	0.420	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.288	88	1738	0.414	ng/ul#	10
5) Naphthalene	10.691	128	11929	0.416	ng/ul	99
7) 2-Methylnaphthalene	12.313	142	6039	0.430	ng/ul	99
8) 1-Methylnaphthalene	12.533	142	6174	0.427	ng/ul	100
10) Acenaphthylene	14.217	152	8189	0.430	ng/ul	100
11) Acenaphthene	14.560	153	6812	0.424	ng/ul	100
12) Fluorene	15.554	166	7411	0.422	ng/ul	99
14) Pentachlorophenol	16.923	266	1156	0.441	ng/ul	97
15) Phenanthrene	17.299	178	11639	0.419	ng/ul	100
16) Anthracene	17.392	178	9768	0.435	ng/ul	99
19) Fluoranthene	19.320	202	14747	0.435	ng/ul	100
20) Pyrene	19.682	202	16137	0.431	ng/ul	98
21) Benzo(a)anthracene	21.439	228	13450	0.425	ng/ul	99
22) Chrysene	21.492	228	14720	0.403	ng/ul	100
24) Benzo(b)fluoranthene	23.117	252	14515	0.402	ng/ul	98
25) Benzo(k)fluoranthene	23.164	252	14128	0.409	ng/ul	98
26) Benzo(a)pyrene	23.737	252	12147	0.415	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	26.310	276	17787	0.410	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.327	278	14082	0.414	ng/ul	99
29) Benzo(g,h,i)perylene	27.068	276	15711	0.406	ng/ul	100

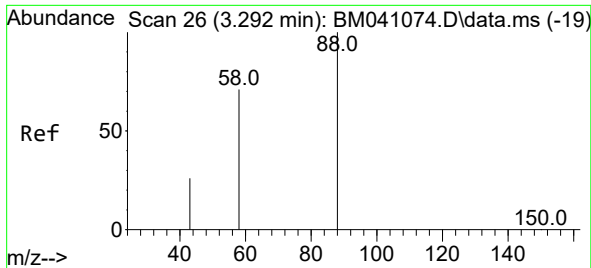
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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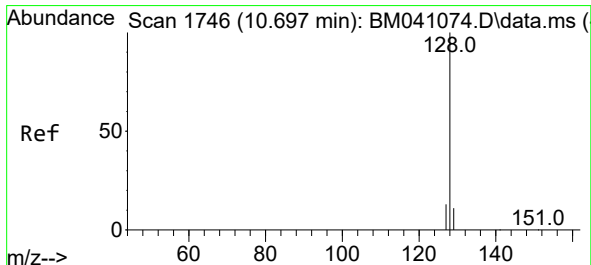
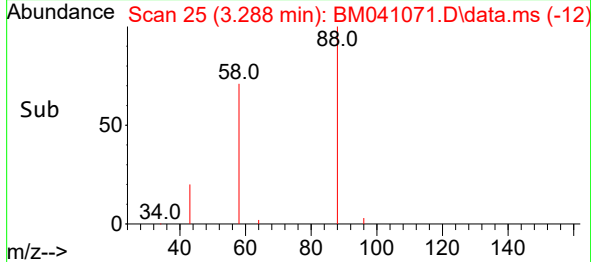
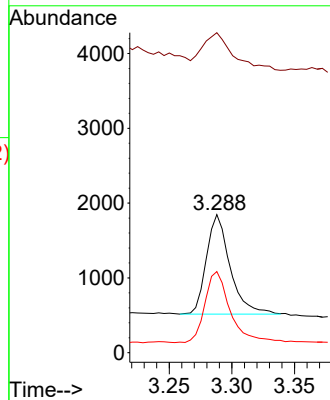
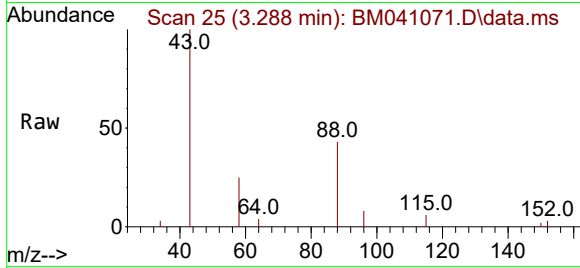




#2
1,4-Dioxane
Concen: 0.414 ng/ul
RT: 3.288 min Scan# 21
Delta R.T. -0.004 min
Lab File: BM041071.D
Acq: 24 Jul 2023 11:09

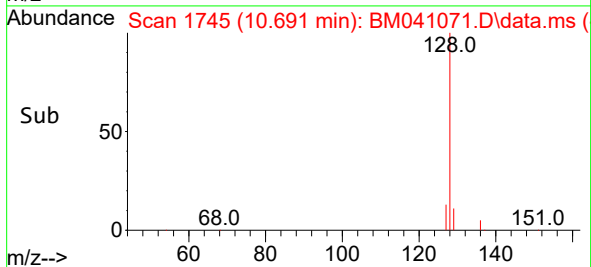
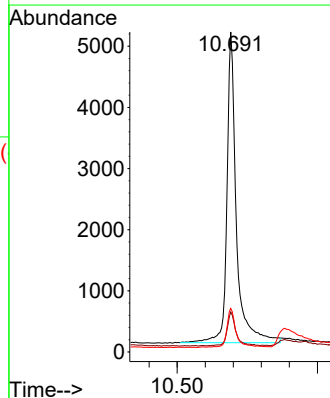
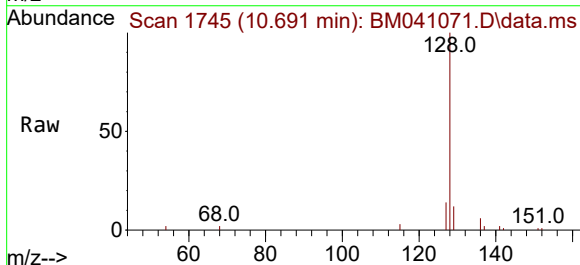
Instrument :
BNA_M
ClientSampleId :
SSTD0.4195

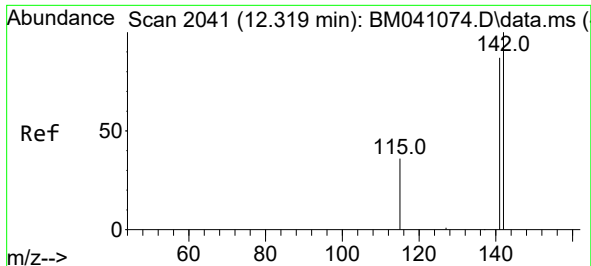
Tgt Ion: 88 Resp: 1738
Ion Ratio Lower Upper
88 100
43 231.8 83.1 124.7#
58 58.7 38.8 58.2#



#5
Naphthalene
Concen: 0.416 ng/ul
RT: 10.691 min Scan# 1745
Delta R.T. -0.005 min
Lab File: BM041071.D
Acq: 24 Jul 2023 11:09

Tgt Ion: 128 Resp: 11929
Ion Ratio Lower Upper
128 100
129 12.5 9.8 14.8
127 13.6 11.1 16.7

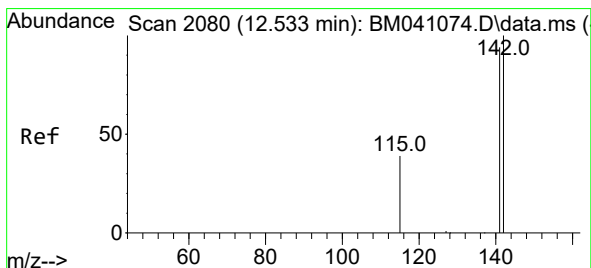
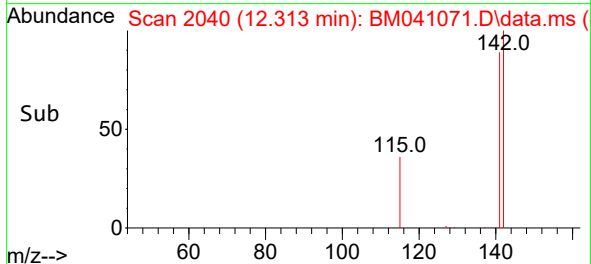
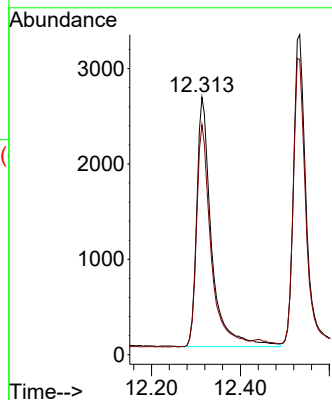
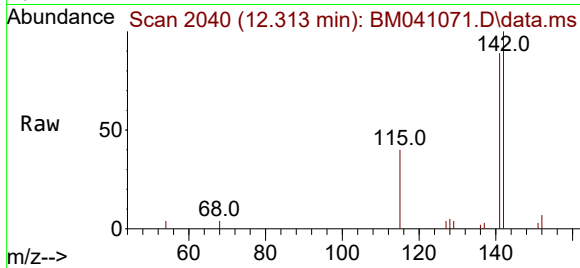




#7
2-Methylnaphthalene
Concen: 0.430 ng/ul
RT: 12.313 min Scan# 2040
Delta R.T. -0.005 min
Lab File: BM041071.D
Acq: 24 Jul 2023 11:09

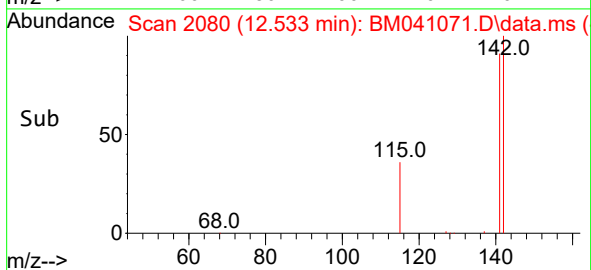
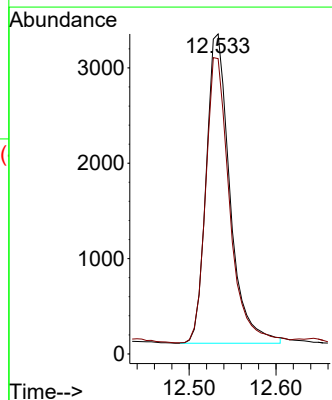
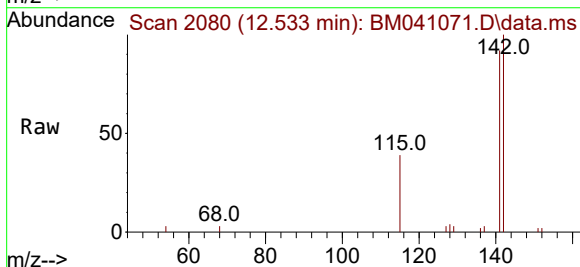
Instrument :
BNA_M
ClientSampleId :
SSTD0.4195

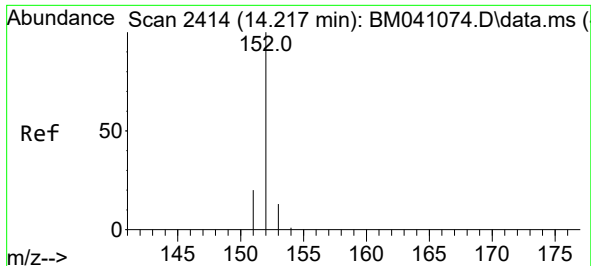
Tgt Ion:142 Resp: 6039
Ion Ratio Lower Upper
142 100
141 90.2 73.3 109.9



#8
1-Methylnaphthalene
Concen: 0.427 ng/ul
RT: 12.533 min Scan# 2080
Delta R.T. 0.000 min
Lab File: BM041071.D
Acq: 24 Jul 2023 11:09

Tgt Ion:142 Resp: 6174
Ion Ratio Lower Upper
142 100
141 92.4 73.6 110.4

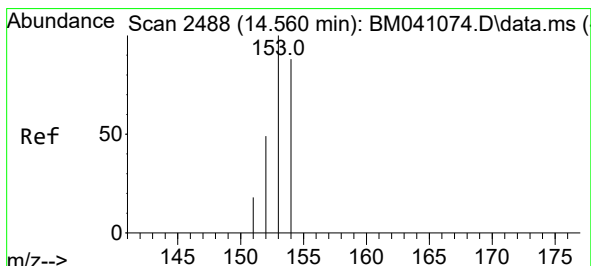
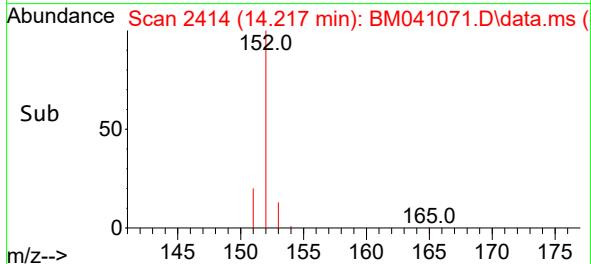
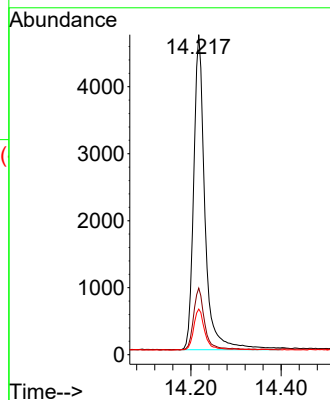
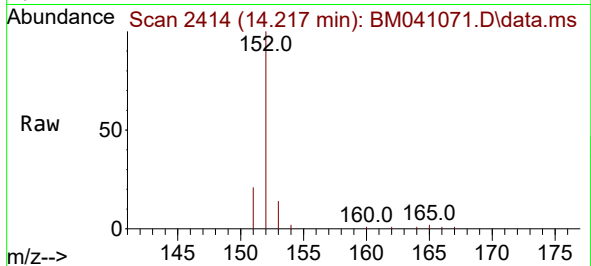




#10
Acenaphthylene
Concen: 0.430 ng/ul
RT: 14.217 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BM041071.D
Acq: 24 Jul 2023 11:09

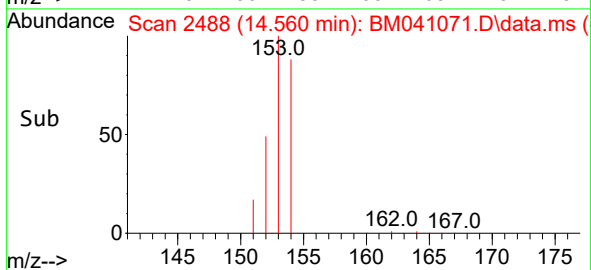
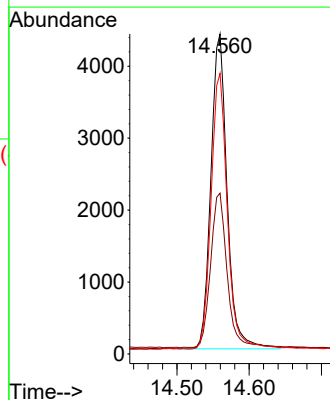
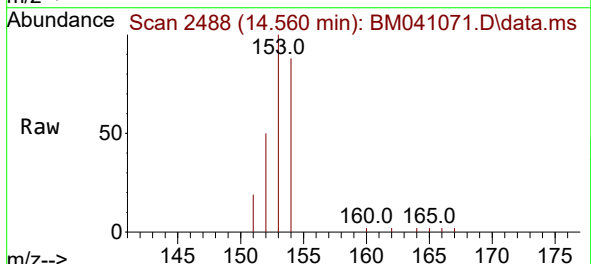
Instrument :
BNA_M
ClientSampleId :
SSTD0.4195

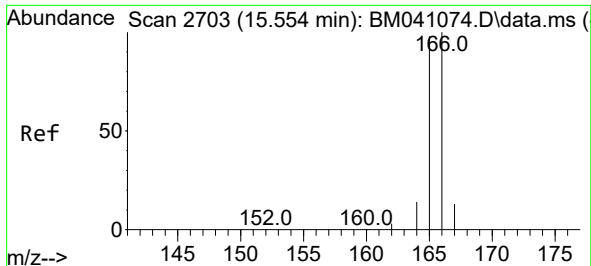
Tgt Ion:152 Resp: 8189
Ion Ratio Lower Upper
152 100
151 20.8 16.8 25.2
153 14.3 11.4 17.2



#11
Acenaphthene
Concen: 0.424 ng/ul
RT: 14.560 min Scan# 2488
Delta R.T. 0.000 min
Lab File: BM041071.D
Acq: 24 Jul 2023 11:09

Tgt Ion:153 Resp: 6812
Ion Ratio Lower Upper
153 100
152 50.2 40.2 60.4
154 87.7 70.3 105.5

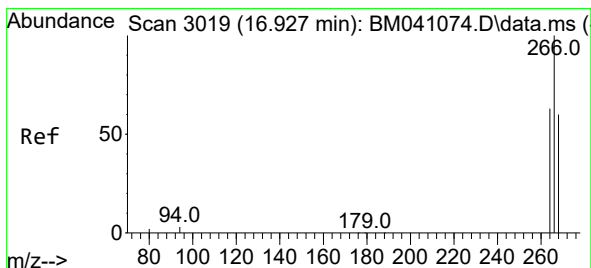
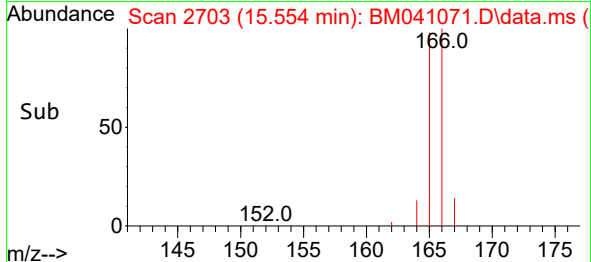
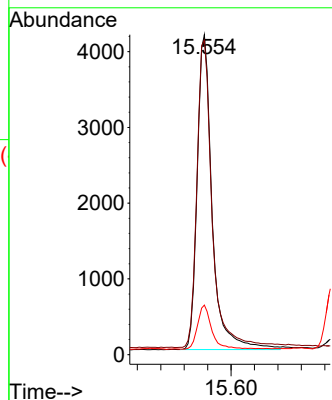
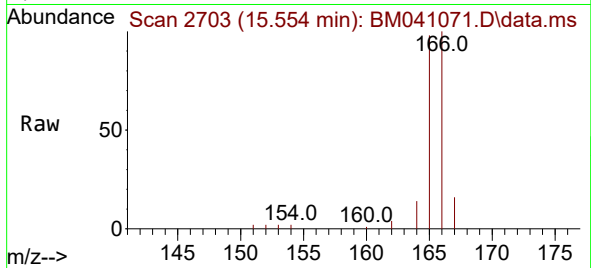




#12
Fluorene
Concen: 0.422 ng/ul
RT: 15.554 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM041071.D
Acq: 24 Jul 2023 11:09

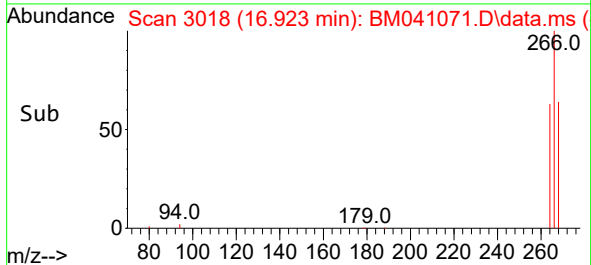
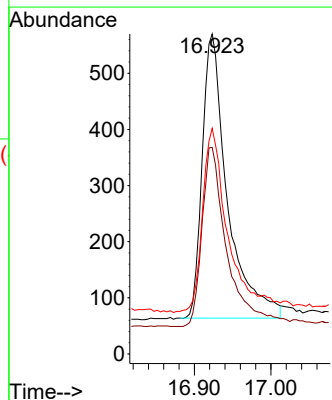
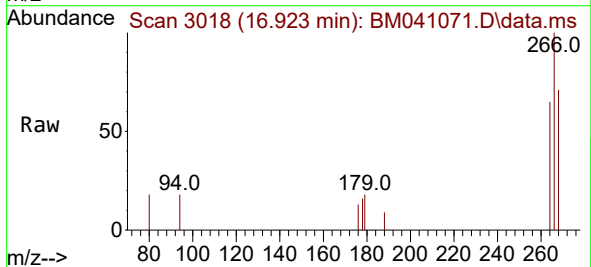
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ClientSampleId :
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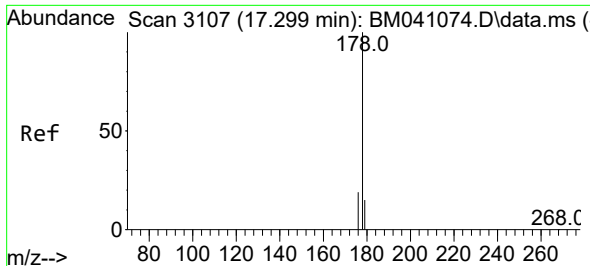
Tgt Ion:166 Resp: 7411
Ion Ratio Lower Upper
166 100
165 98.3 79.4 119.0
167 15.5 11.4 17.2



#14
Pentachlorophenol
Concen: 0.441 ng/ul
RT: 16.923 min Scan# 3018
Delta R.T. -0.004 min
Lab File: BM041071.D
Acq: 24 Jul 2023 11:09

Tgt Ion:266 Resp: 1156
Ion Ratio Lower Upper
266 100
264 62.7 49.2 73.8
268 66.0 49.9 74.9

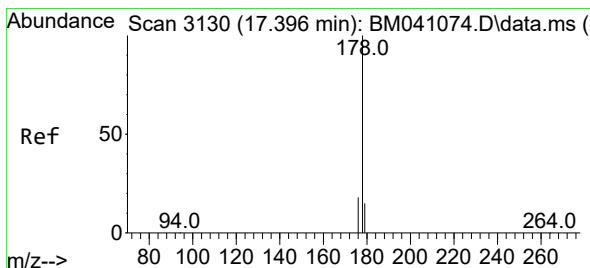
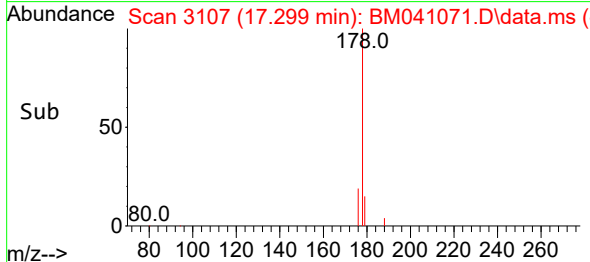
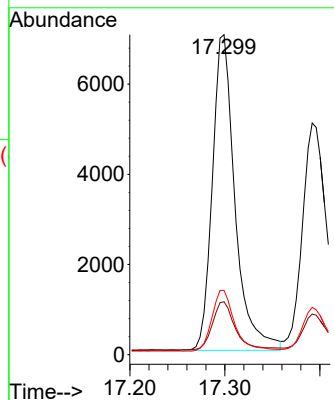
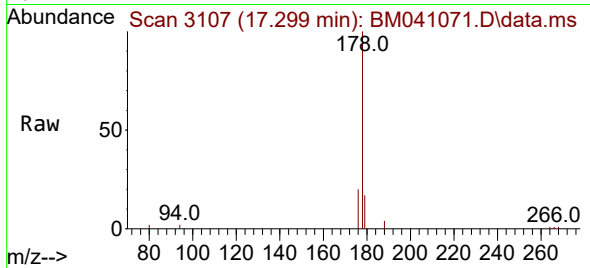




#15
Phenanthrene
Concen: 0.419 ng/ul
RT: 17.299 min Scan# 3107
Delta R.T. 0.000 min
Lab File: BM041071.D
Acq: 24 Jul 2023 11:09

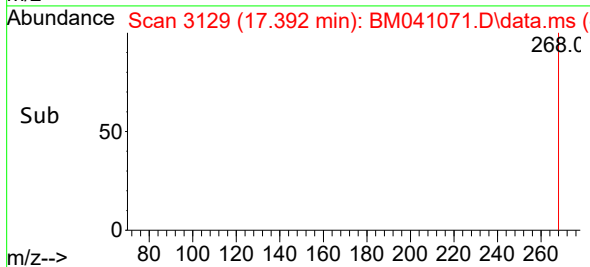
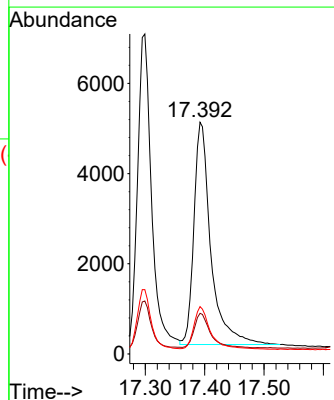
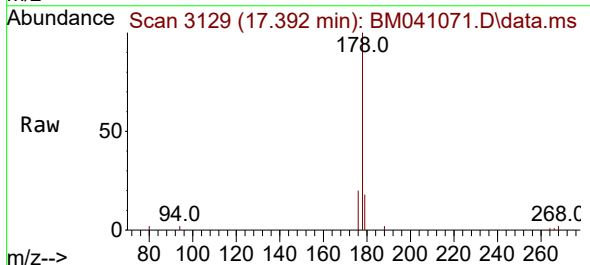
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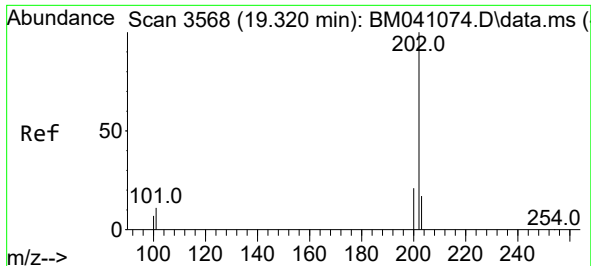
Tgt Ion:178 Resp: 11639
Ion Ratio Lower Upper
178 100
179 16.6 13.4 20.2
176 20.1 16.0 24.0



#16
Anthracene
Concen: 0.435 ng/ul
RT: 17.392 min Scan# 3129
Delta R.T. -0.004 min
Lab File: BM041071.D
Acq: 24 Jul 2023 11:09

Tgt Ion:178 Resp: 9768
Ion Ratio Lower Upper
178 100
179 17.5 13.6 20.4
176 20.4 16.0 24.0

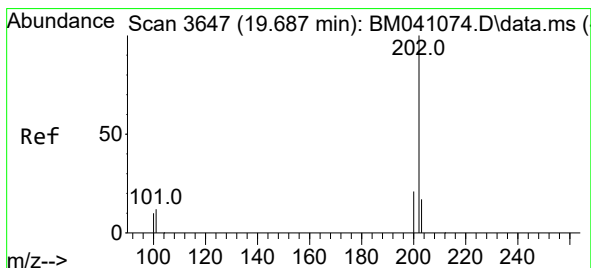
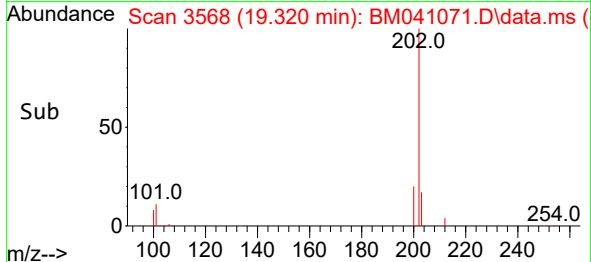
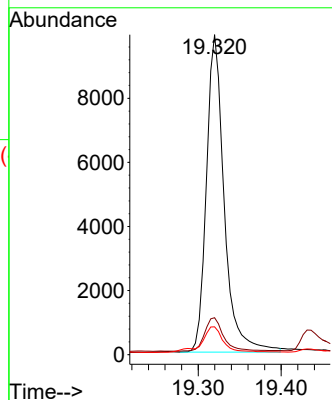
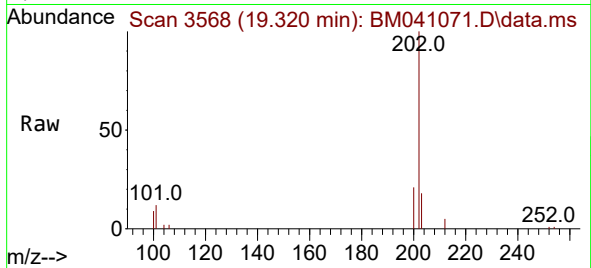




#19
Fluoranthene
Concen: 0.435 ng/ul
RT: 19.320 min Scan# 3568
Delta R.T. 0.000 min
Lab File: BM041071.D
Acq: 24 Jul 2023 11:09

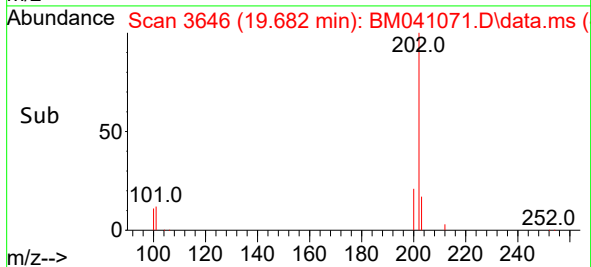
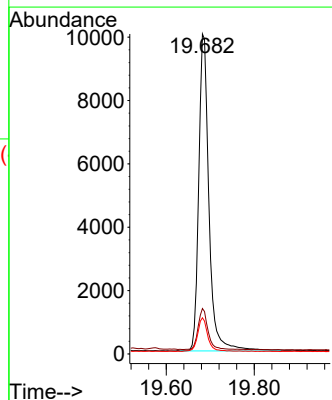
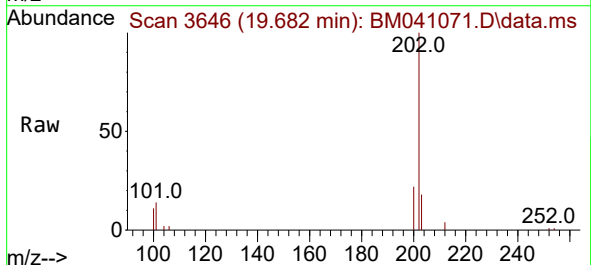
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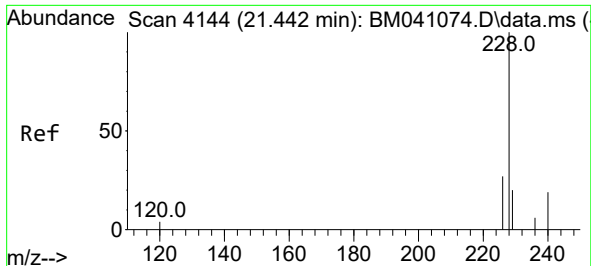
Tgt Ion:202 Resp: 14747
Ion Ratio Lower Upper
202 100
101 11.6 9.4 14.0
100 8.7 7.1 10.7



#20
Pyrene
Concen: 0.431 ng/ul
RT: 19.682 min Scan# 3646
Delta R.T. -0.005 min
Lab File: BM041071.D
Acq: 24 Jul 2023 11:09

Tgt Ion:202 Resp: 16137
Ion Ratio Lower Upper
202 100
101 14.2 10.7 16.1
100 11.3 8.5 12.7

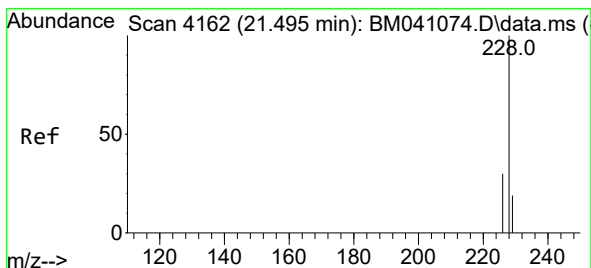
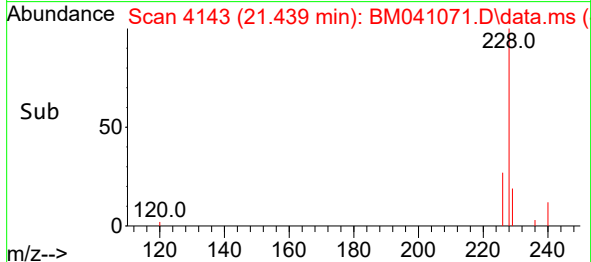
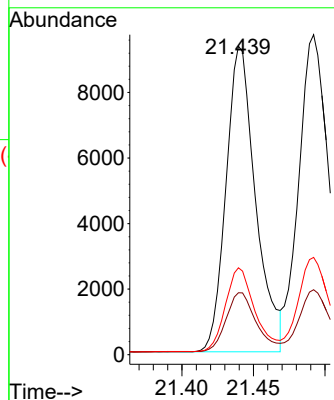
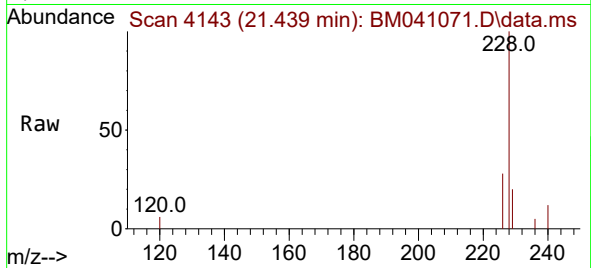




#21
Benzo(a)anthracene
Concen: 0.425 ng/ul
RT: 21.439 min Scan# 4143
Delta R.T. -0.003 min
Lab File: BM041071.D
Acq: 24 Jul 2023 11:09

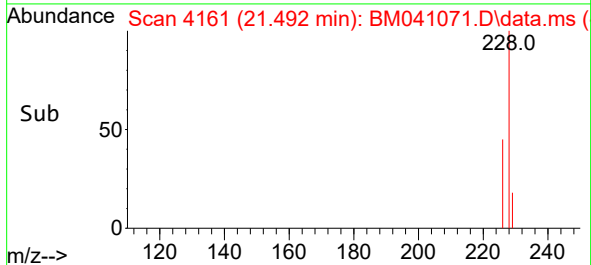
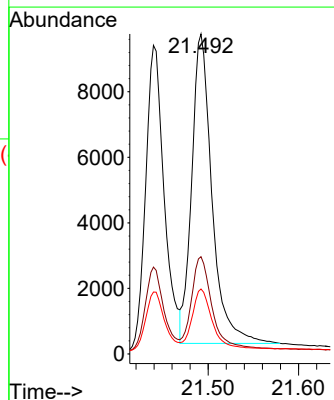
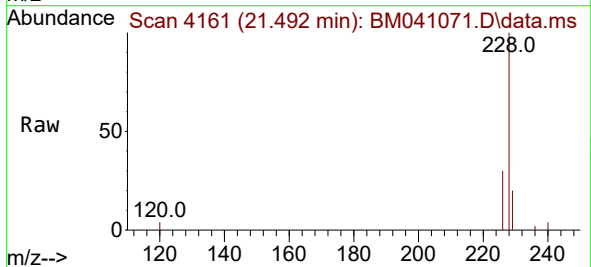
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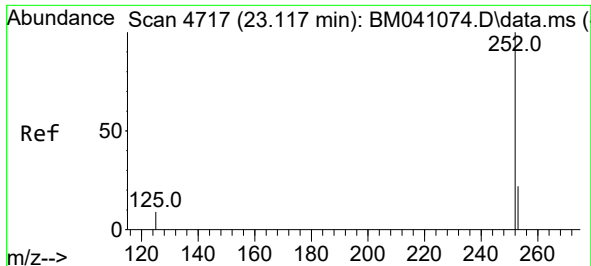
Tgt Ion:228 Resp: 13450
Ion Ratio Lower Upper
228 100
229 20.0 16.5 24.7
226 28.2 22.2 33.2



#22
Chrysene
Concen: 0.403 ng/ul
RT: 21.492 min Scan# 4161
Delta R.T. -0.003 min
Lab File: BM041071.D
Acq: 24 Jul 2023 11:09

Tgt Ion:228 Resp: 14720
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.4
229 20.3 15.9 23.9

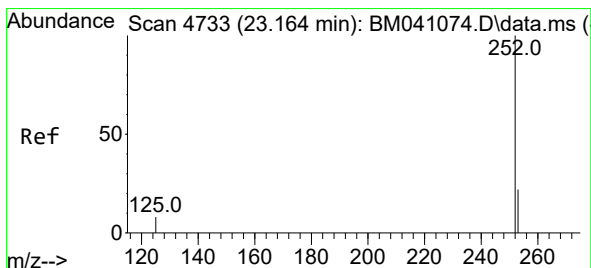
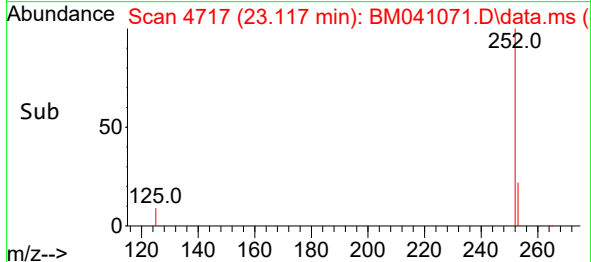
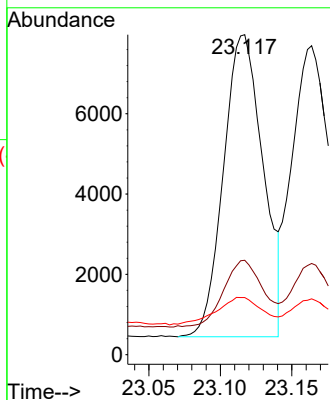
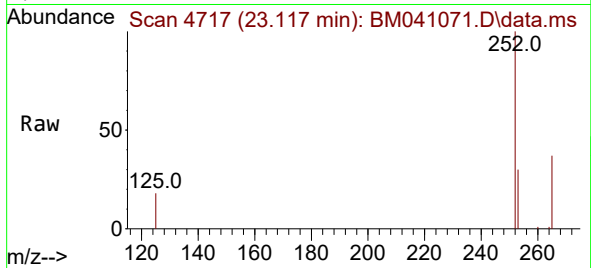




#24
Benzo(b)fluoranthene
Concen: 0.402 ng/ul
RT: 23.117 min Scan# 4717
Delta R.T. 0.000 min
Lab File: BM041071.D
Acq: 24 Jul 2023 11:09

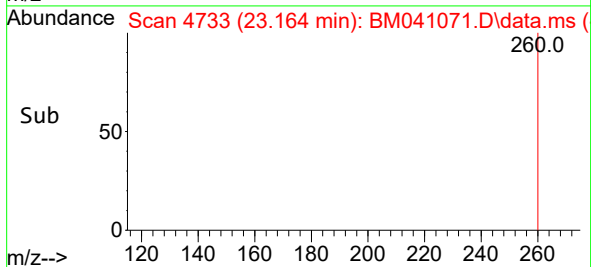
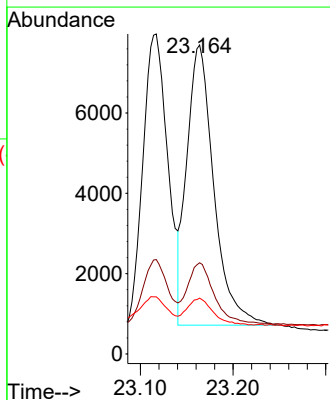
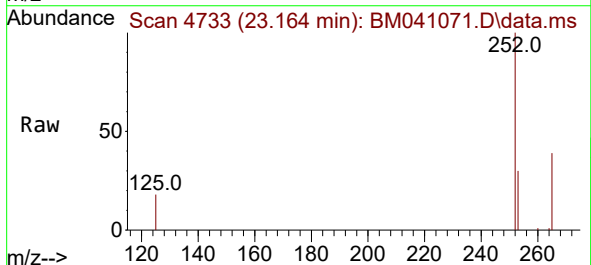
Instrument :
BNA_M
ClientSampleId :
SSTD0.4195

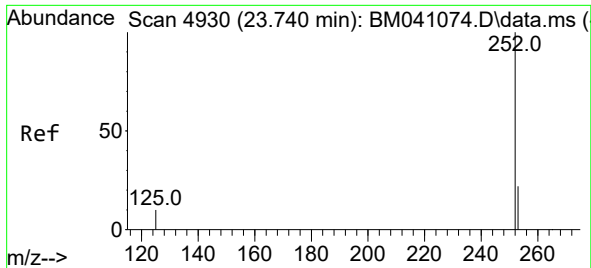
Tgt Ion:252 Resp: 14515
Ion Ratio Lower Upper
252 100
253 29.5 0.0 57.6
125 17.8 0.0 33.6



#25
Benzo(k)fluoranthene
Concen: 0.409 ng/ul
RT: 23.164 min Scan# 4733
Delta R.T. 0.000 min
Lab File: BM041071.D
Acq: 24 Jul 2023 11:09

Tgt Ion:252 Resp: 14128
Ion Ratio Lower Upper
252 100
253 29.5 22.8 34.2
125 18.1 13.5 20.3

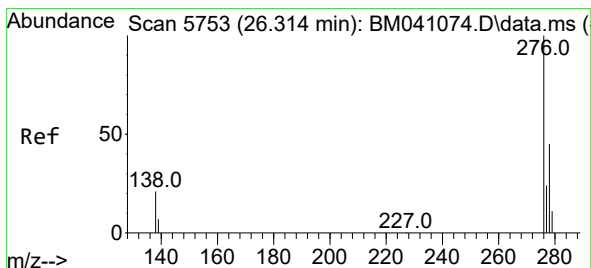
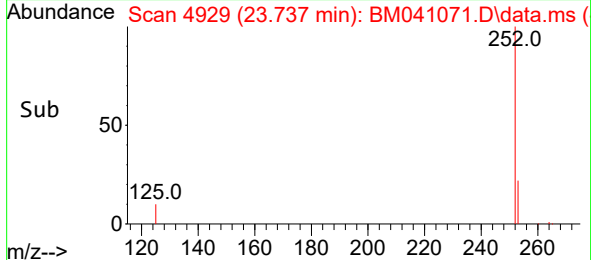
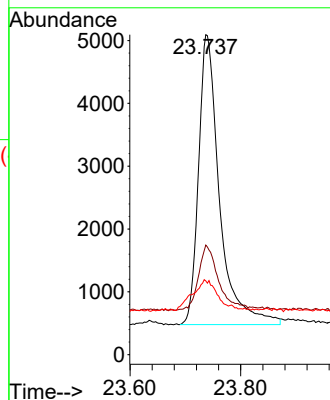
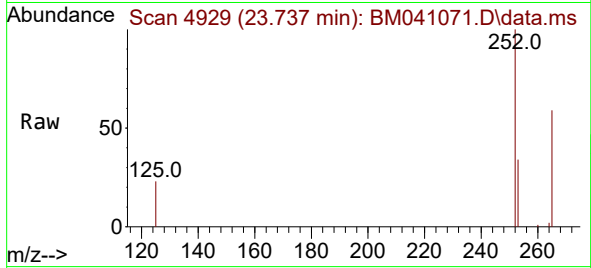




#26
Benzo(a)pyrene
Concen: 0.415 ng/ul
RT: 23.737 min Scan# 4930
Delta R.T. -0.003 min
Lab File: BM041071.D
Acq: 24 Jul 2023 11:09

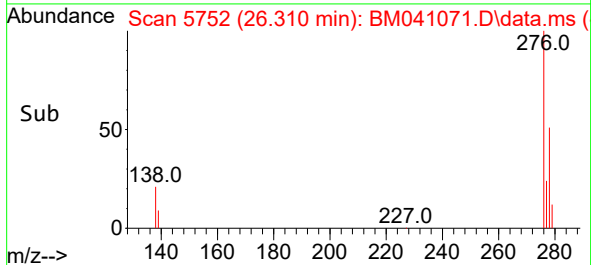
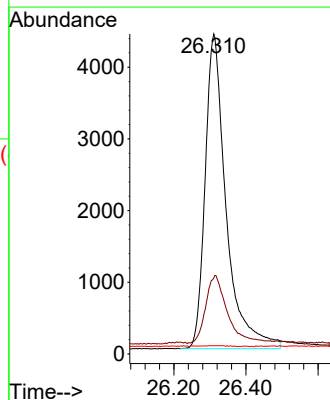
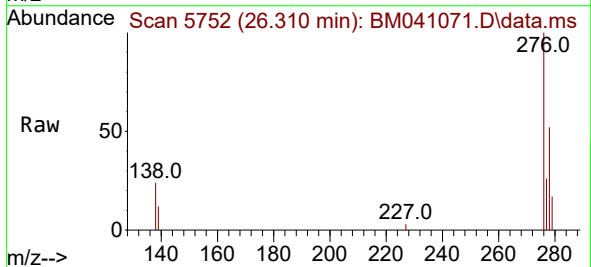
Instrument :
BNA_M
ClientSampleId :
SSTD0.4195

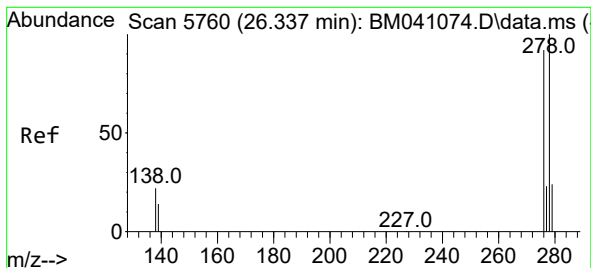
Tgt Ion:252 Resp: 12147
Ion Ratio Lower Upper
252 100
253 34.2 26.7 40.1
125 23.0 18.1 27.1



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.410 ng/ul
RT: 26.310 min Scan# 5752
Delta R.T. -0.003 min
Lab File: BM041071.D
Acq: 24 Jul 2023 11:09

Tgt Ion:276 Resp: 17787
Ion Ratio Lower Upper
276 100
138 22.7 18.1 27.1
227 0.0 0.2 0.2#





#28

Dibenzo(a,h)anthracene

Concen: 0.414 ng/ul

RT: 26.327 min Scan# 5

Delta R.T. -0.010 min

Lab File: BM041071.D

Acq: 24 Jul 2023 11:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.4195

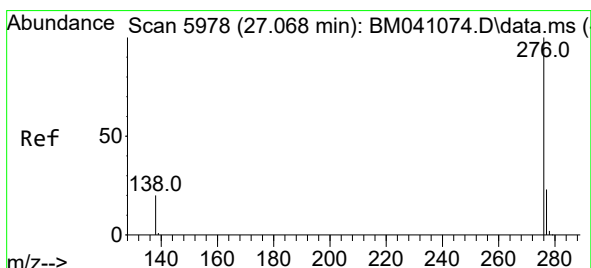
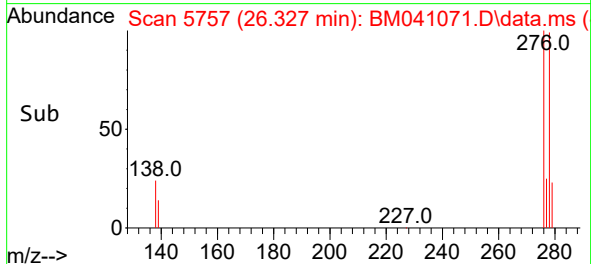
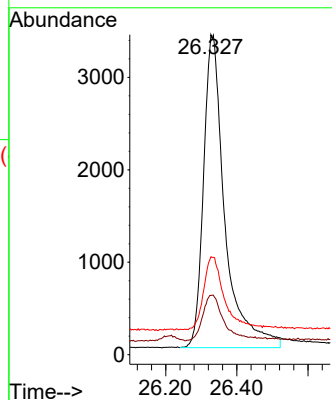
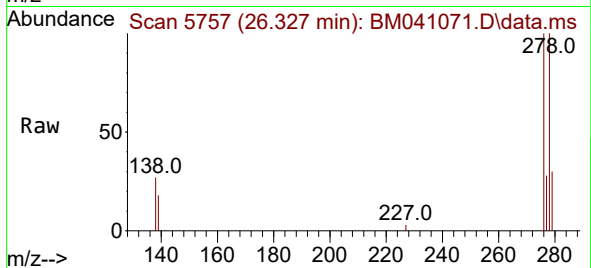
Tgt Ion:278 Resp: 14082

Ion Ratio Lower Upper

278 100

139 18.5 14.1 21.1

279 30.6 25.0 37.4



#29

Benzo(g,h,i)perylene

Concen: 0.406 ng/ul

RT: 27.068 min Scan# 5978

Delta R.T. 0.000 min

Lab File: BM041071.D

Acq: 24 Jul 2023 11:09

Tgt Ion:276 Resp: 15711

Ion Ratio Lower Upper

276 100

138 22.9 18.2 27.2

277 25.9 20.6 30.8

