

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082423\
 Data File : BM041463.D
 Acq On : 24 Aug 2023 12:49
 Operator : MA/JU
 Sample : SSTD3.211
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.2048

Quant Time: Aug 24 18:23:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM082423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 24 13:21:17 2023
 Response via : Initial Calibration

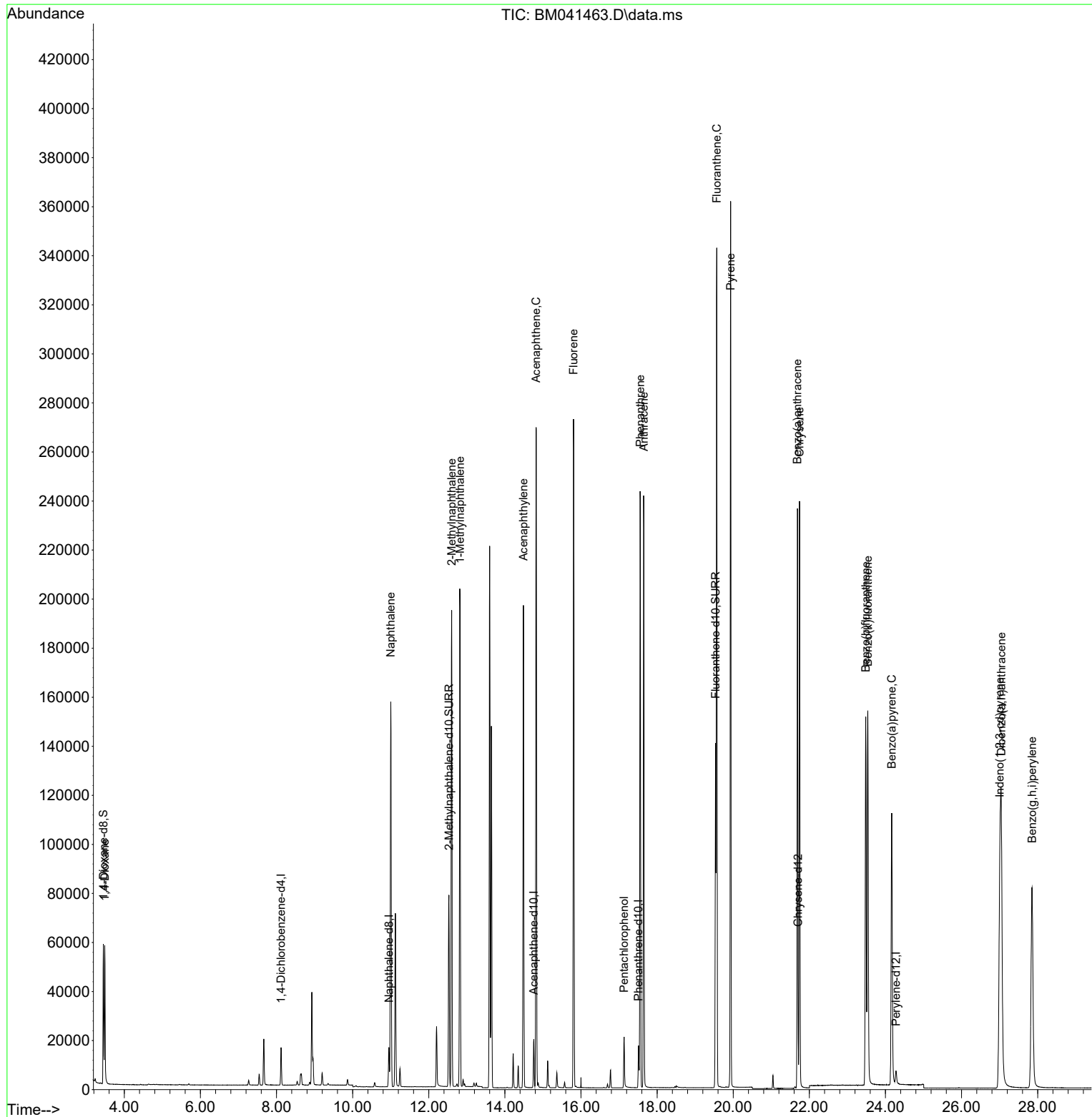
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.119	152	7535	0.400	ng/ul	0.00
4) Naphthalene-d8	10.951	136	20718	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.759	164	10043	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.511	188	18476	0.400	ng/ul	0.00
17) Chrysene-d12	21.704	240	8293	0.400	ng/ul	0.00
23) Perylene-d12	24.276	264	7615	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.448	96	32508	3.409	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.530	152	96478	3.526	ng/ul	0.00
18) Fluoranthene-d10	19.535	212	121784	3.330	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.486	88	33699	3.434	ng/ul#	91
5) Naphthalene	11.001	128	212266	3.438	ng/ul	99
7) 2-Methylnaphthalene	12.601	142	131718	3.552	ng/ul	99
8) 1-Methylnaphthalene	12.821	142	133305	3.534	ng/ul	100
10) Acenaphthylene	14.486	152	213530	3.540	ng/ul	99
11) Acenaphthene	14.820	153	148635	3.542	ng/ul	99
12) Fluorene	15.805	166	167484	3.567	ng/ul	100
14) Pentachlorophenol	17.131	266	13610	3.906	ng/ul	98
15) Phenanthrene	17.553	178	246932	3.640	ng/ul	100
16) Anthracene	17.646	178	240899	3.903	ng/ul	99
19) Fluoranthene	19.567	202	271628	3.569	ng/ul	99
20) Pyrene	19.930	202	271187	3.532	ng/ul	99
21) Benzo(a)anthracene	21.686	228	203468	3.770	ng/ul	99
22) Chrysene	21.742	228	211292	3.623	ng/ul	100
24) Benzo(b)fluoranthene	23.481	252	200465	3.844	ng/ul	96
25) Benzo(k)fluoranthene	23.536	252	211156	4.047	ng/ul	95
26) Benzo(a)pyrene	24.165	252	173461	4.048	ng/ul	93
27) Indeno(1,2,3-cd)pyrene	27.006	276	222818	4.162	ng/ul#	98
28) Dibenzo(a,h)anthracene	27.043	278	172639	4.213	ng/ul	94
29) Benzo(g,h,i)perylene	27.851	276	191775	4.067	ng/ul	97

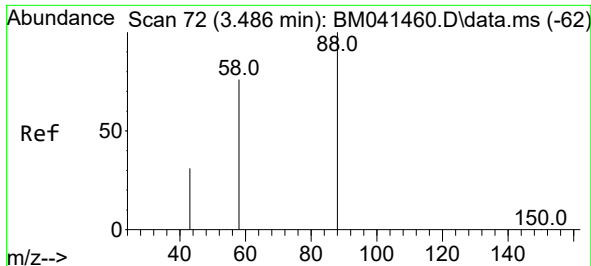
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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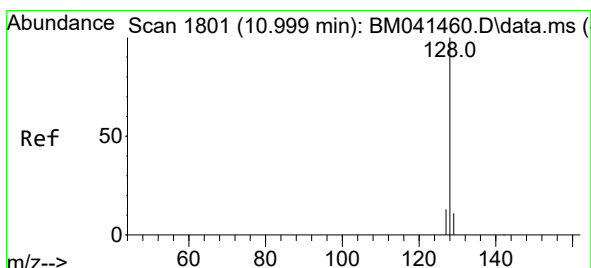
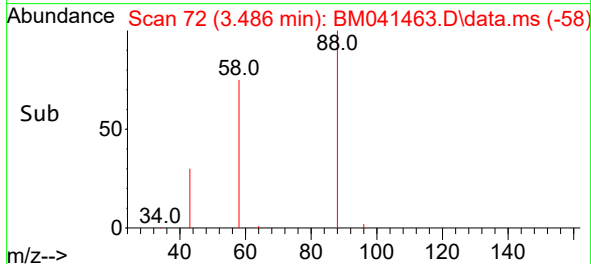
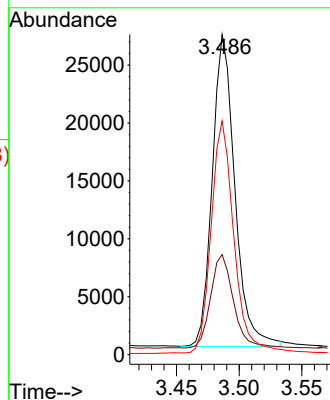
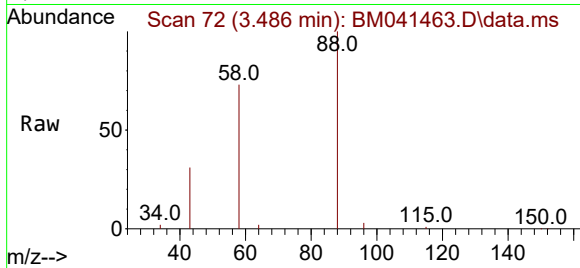




#2
1,4-Dioxane
Concen: 3.434 ng/ul
RT: 3.486 min Scan# 72
Delta R.T. 0.000 min
Lab File: BM041463.D
Acq: 24 Aug 2023 12:49

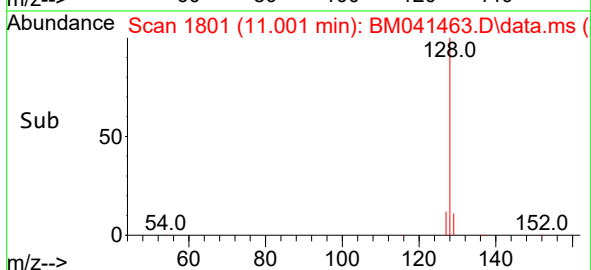
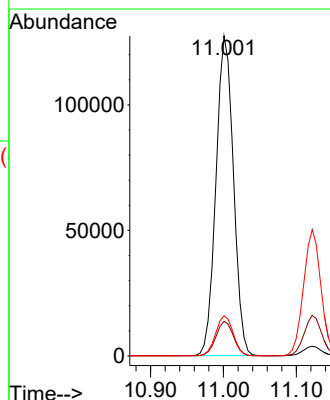
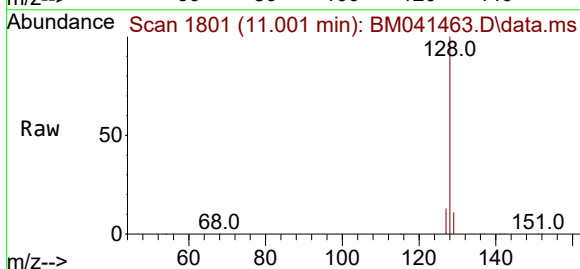
Instrument :
BNA_M
ClientSampleId :
SSTD3.2048

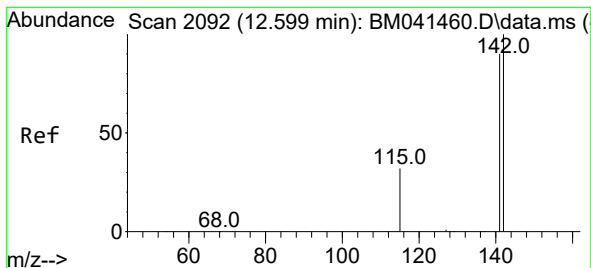
Tgt Ion: 88 Resp: 33699
Ion Ratio Lower Upper
88 100
43 31.3 35.4 53.2#
58 73.0 57.3 85.9



#5
Naphthalene
Concen: 3.438 ng/ul
RT: 11.001 min Scan# 1801
Delta R.T. 0.002 min
Lab File: BM041463.D
Acq: 24 Aug 2023 12:49

Tgt Ion: 128 Resp: 212266
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 12.5 10.6 15.8





#7

2-Methylnaphthalene

Concen: 3.552 ng/ul

RT: 12.601 min Scan# 2092

Delta R.T. 0.002 min

Lab File: BM041463.D

Acq: 24 Aug 2023 12:49

Instrument :

BNA_M

ClientSampleId :

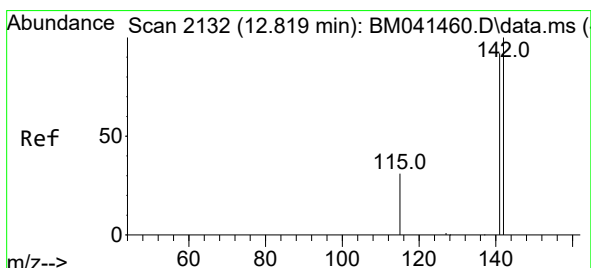
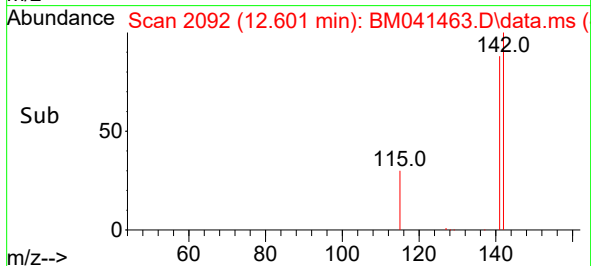
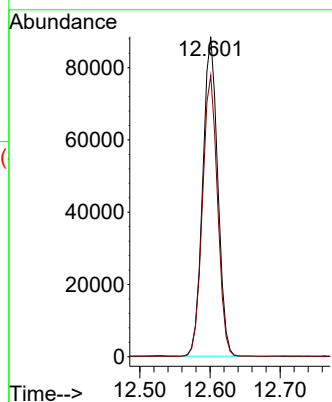
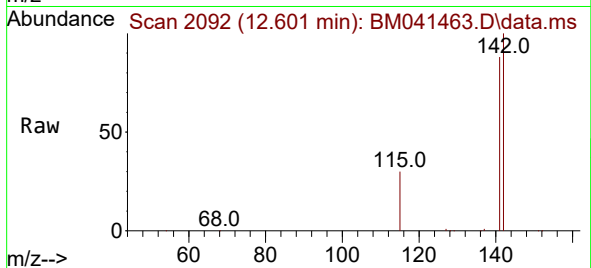
SSTD3.2048

Tgt Ion:142 Resp: 131718

Ion Ratio Lower Upper

142 100

141 88.1 71.1 106.7



#8

1-Methylnaphthalene

Concen: 3.534 ng/ul

RT: 12.821 min Scan# 2132

Delta R.T. 0.002 min

Lab File: BM041463.D

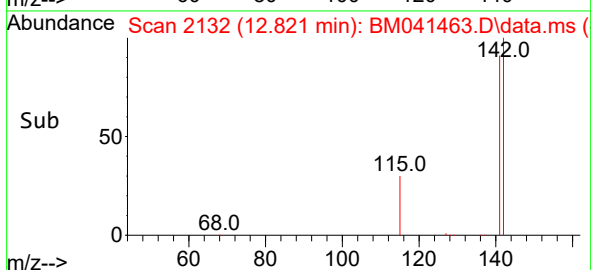
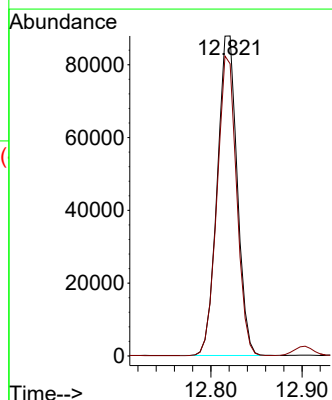
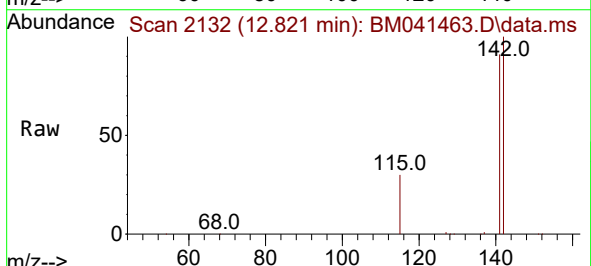
Acq: 24 Aug 2023 12:49

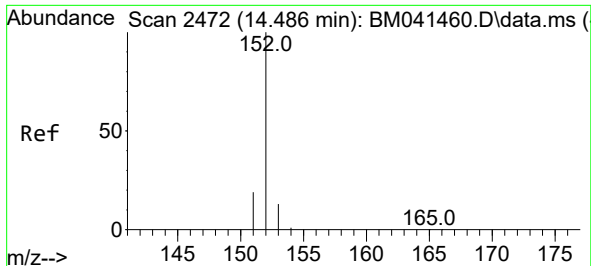
Tgt Ion:142 Resp: 133305

Ion Ratio Lower Upper

142 100

141 92.1 73.4 110.2

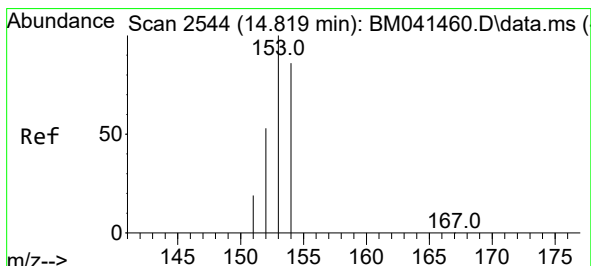
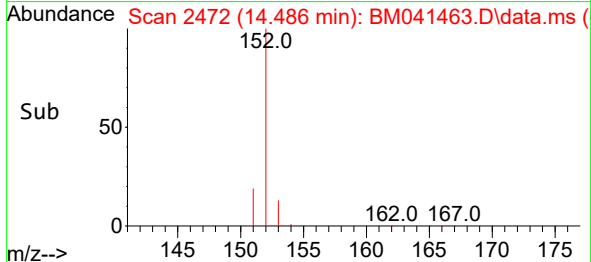
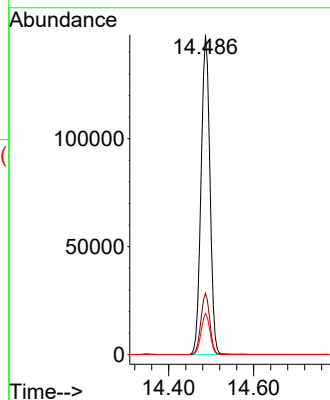
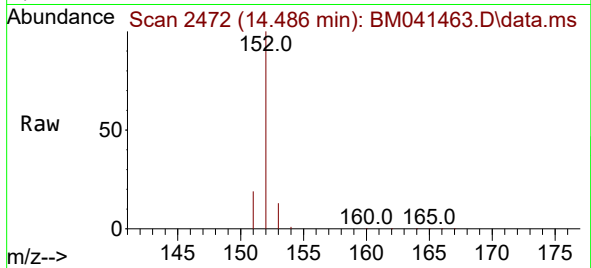




#10
Acenaphthylene
Concen: 3.540 ng/ul
RT: 14.486 min Scan# 2472
Delta R.T. 0.001 min
Lab File: BM041463.D
Acq: 24 Aug 2023 12:49

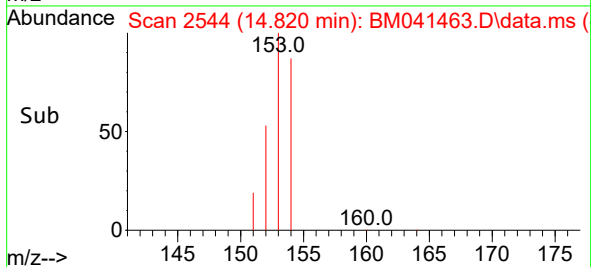
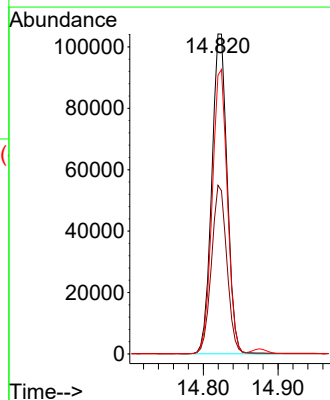
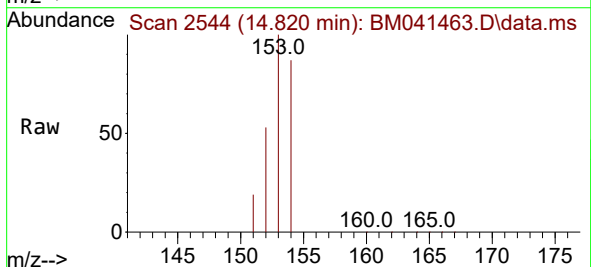
Instrument :
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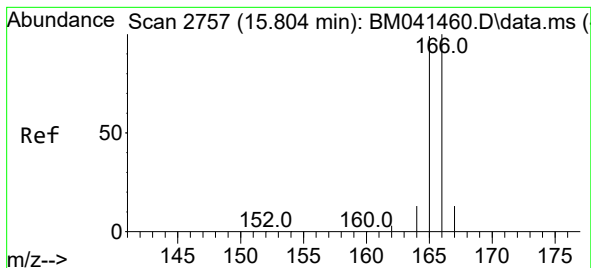
Tgt Ion:152 Resp: 213530
Ion Ratio Lower Upper
152 100
151 19.2 15.8 23.6
153 12.9 10.6 15.8



#11
Acenaphthene
Concen: 3.542 ng/ul
RT: 14.820 min Scan# 2544
Delta R.T. 0.001 min
Lab File: BM041463.D
Acq: 24 Aug 2023 12:49

Tgt Ion:153 Resp: 148635
Ion Ratio Lower Upper
153 100
152 52.7 42.9 64.3
154 87.1 68.9 103.3





#12

Fluorene

Concen: 3.567 ng/ul

RT: 15.805 min Scan# 21

Delta R.T. 0.001 min

Lab File: BM041463.D

Acq: 24 Aug 2023 12:49

Instrument :

BNA_M

ClientSampleId :

SSTD3.2048

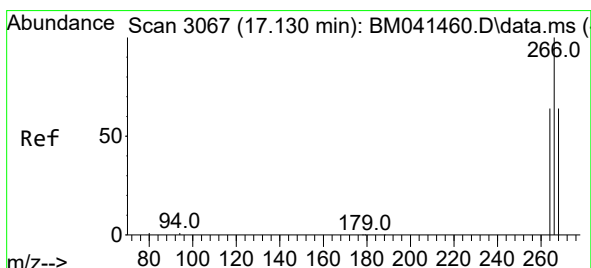
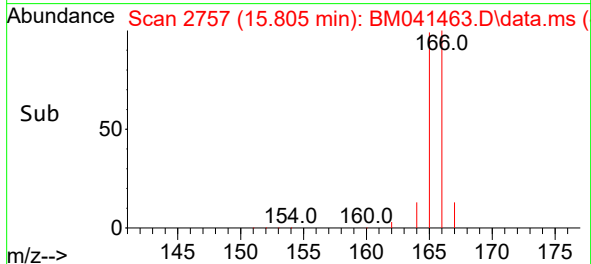
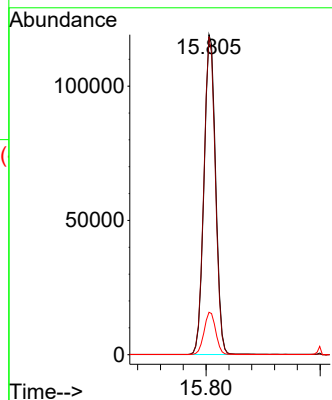
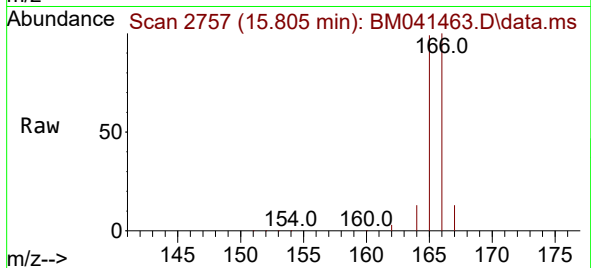
Tgt Ion:166 Resp: 167484

Ion Ratio Lower Upper

166 100

165 99.4 79.4 119.2

167 13.3 11.0 16.6



#14

Pentachlorophenol

Concen: 3.906 ng/ul

RT: 17.131 min Scan# 3067

Delta R.T. 0.001 min

Lab File: BM041463.D

Acq: 24 Aug 2023 12:49

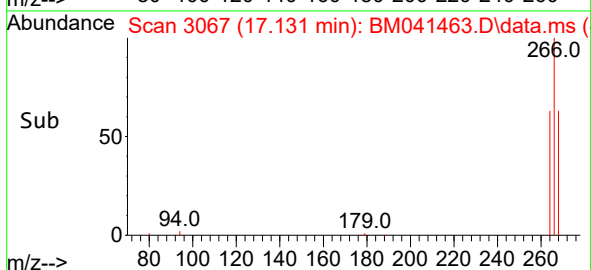
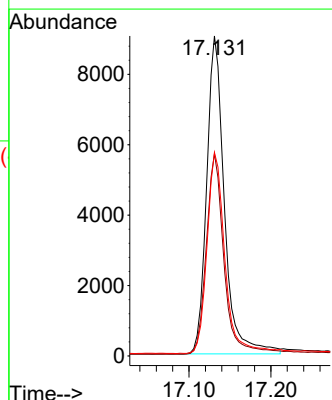
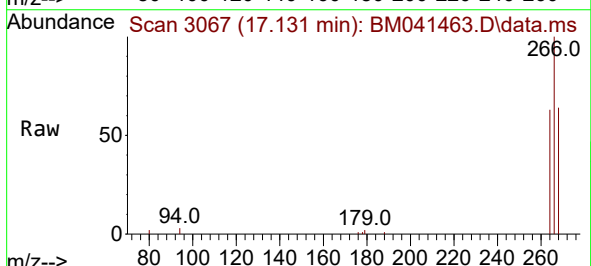
Tgt Ion:266 Resp: 13610

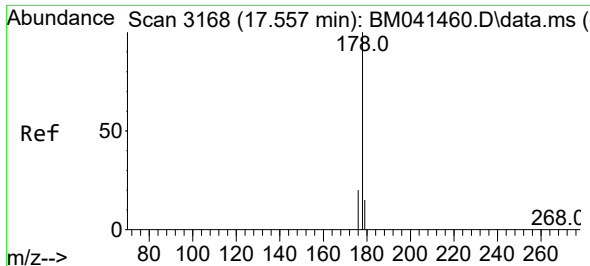
Ion Ratio Lower Upper

266 100

264 62.8 50.1 75.1

268 63.9 48.6 73.0

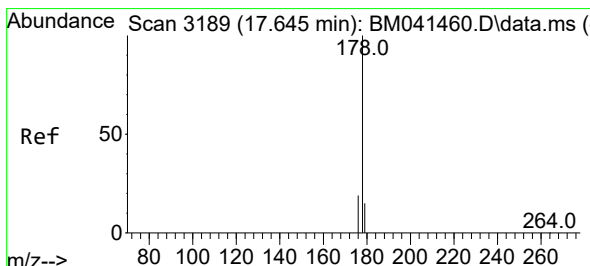
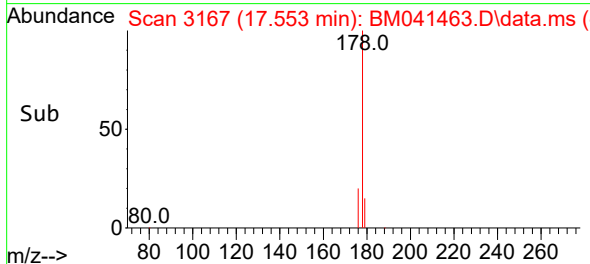
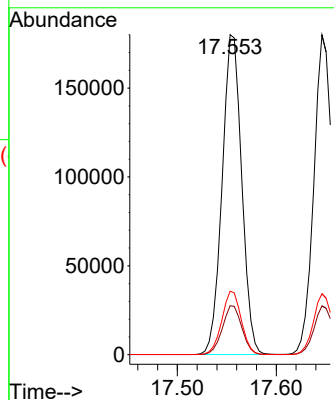
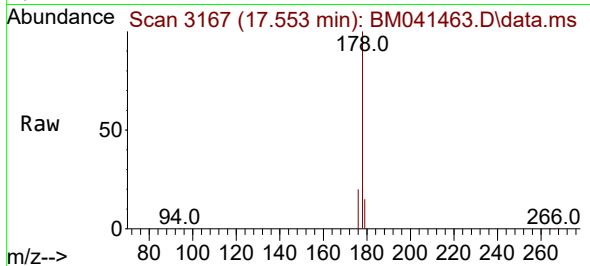




#15
Phenanthrene
Concen: 3.640 ng/ul
RT: 17.553 min Scan# 3167
Delta R.T. -0.003 min
Lab File: BM041463.D
Acq: 24 Aug 2023 12:49

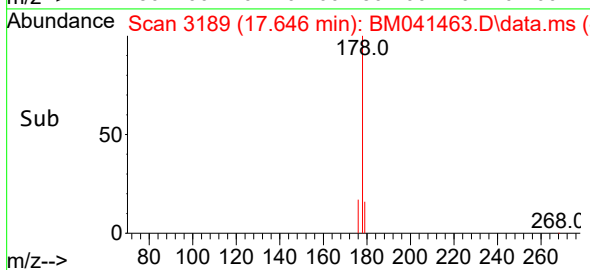
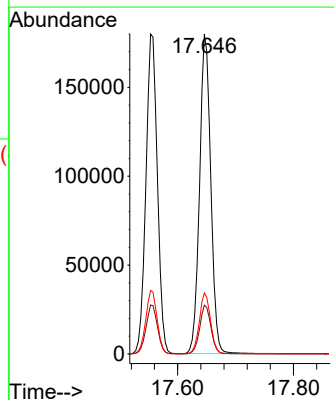
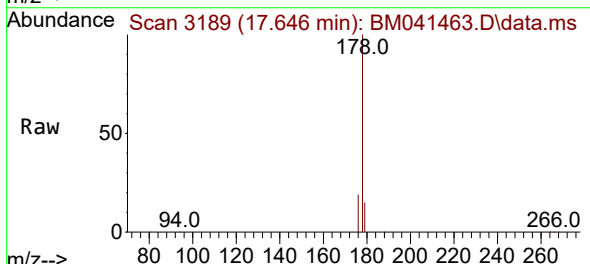
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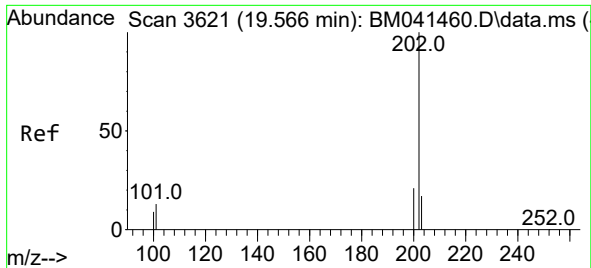
Tgt Ion:178 Resp: 246932
Ion Ratio Lower Upper
178 100
179 15.3 12.5 18.7
176 19.9 15.8 23.8



#16
Anthracene
Concen: 3.903 ng/ul
RT: 17.646 min Scan# 3189
Delta R.T. 0.001 min
Lab File: BM041463.D
Acq: 24 Aug 2023 12:49

Tgt Ion:178 Resp: 240899
Ion Ratio Lower Upper
178 100
179 15.2 12.6 18.8
176 19.1 15.5 23.3

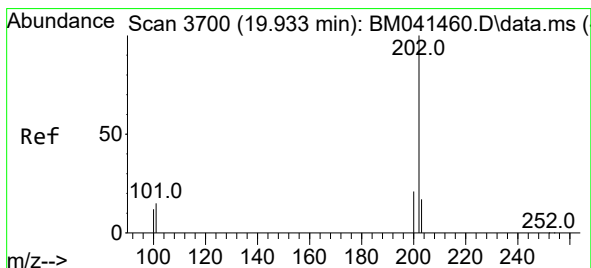
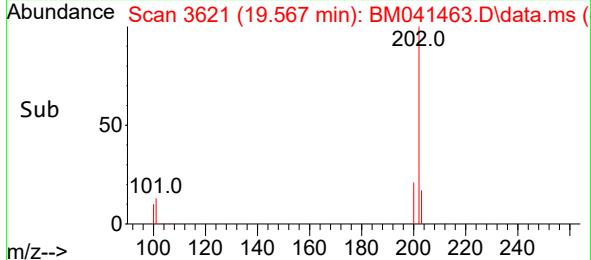
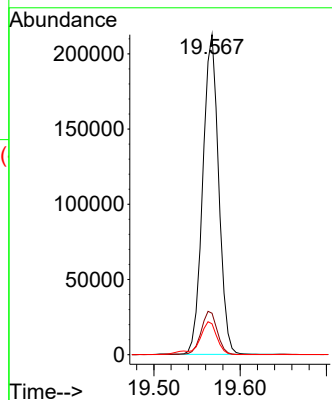
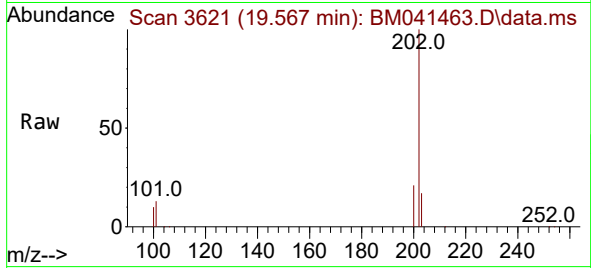




#19
Fluoranthene
Concen: 3.569 ng/ul
RT: 19.567 min Scan# 3621
Delta R.T. 0.001 min
Lab File: BM041463.D
Acq: 24 Aug 2023 12:49

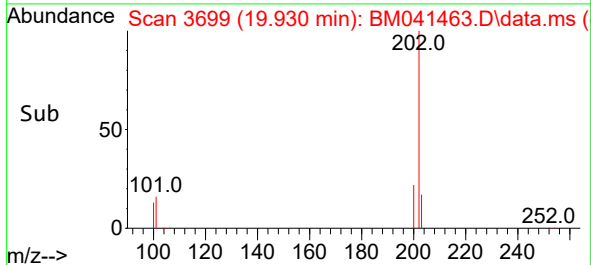
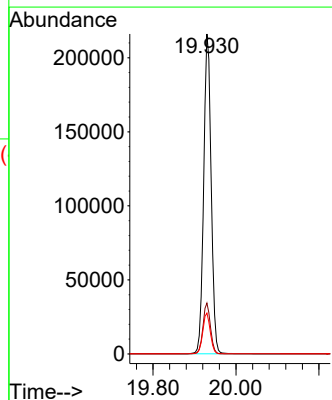
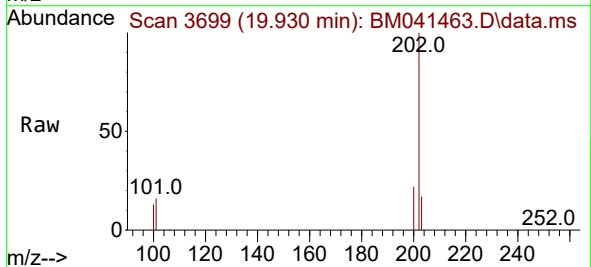
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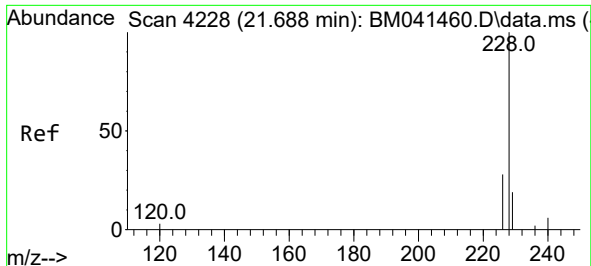
Tgt Ion:202 Resp: 271628
Ion Ratio Lower Upper
202 100
101 13.0 11.0 16.6
100 9.7 7.9 11.9



#20
Pyrene
Concen: 3.532 ng/ul
RT: 19.930 min Scan# 3699
Delta R.T. -0.003 min
Lab File: BM041463.D
Acq: 24 Aug 2023 12:49

Tgt Ion:202 Resp: 271187
Ion Ratio Lower Upper
202 100
101 15.9 12.2 18.2
100 12.8 9.8 14.8

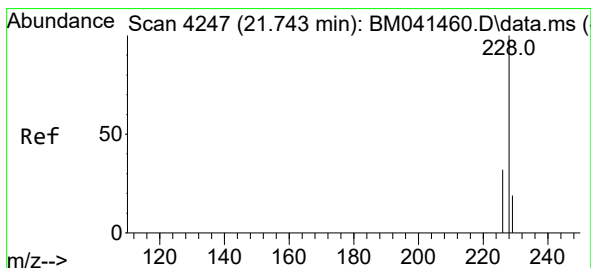
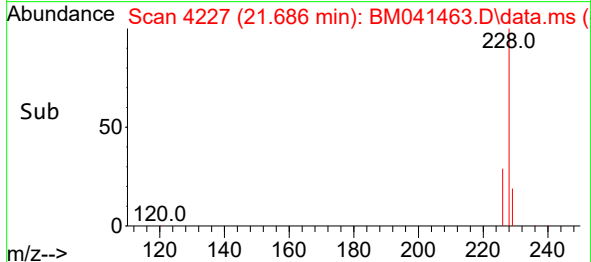
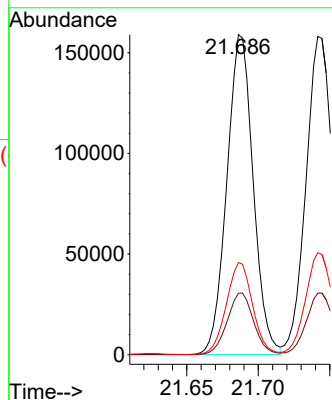
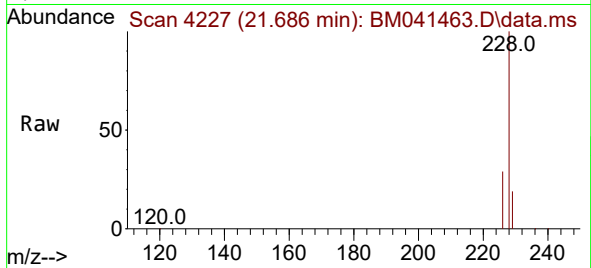




#21
Benzo(a)anthracene
Concen: 3.770 ng/ul
RT: 21.686 min Scan# 41
Delta R.T. -0.002 min
Lab File: BM041463.D
Acq: 24 Aug 2023 12:49

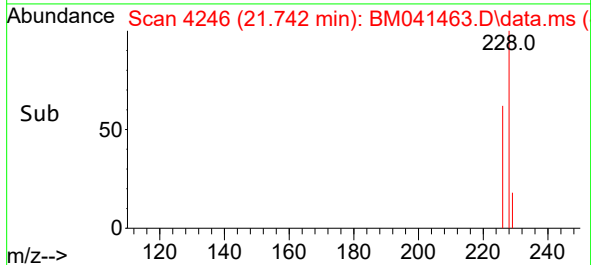
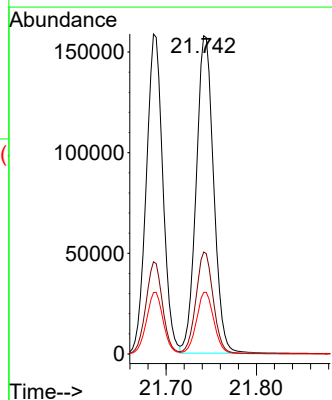
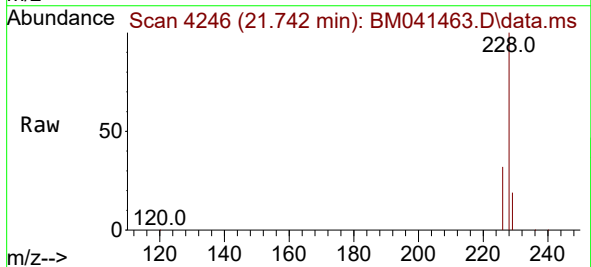
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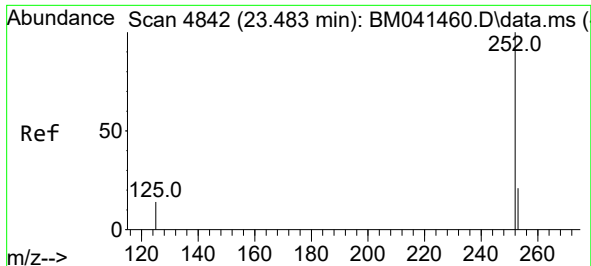
Tgt Ion:228 Resp: 203468
Ion Ratio Lower Upper
228 100
229 19.2 15.3 22.9
226 28.8 22.7 34.1



#22
Chrysene
Concen: 3.623 ng/ul
RT: 21.742 min Scan# 4246
Delta R.T. -0.002 min
Lab File: BM041463.D
Acq: 24 Aug 2023 12:49

Tgt Ion:228 Resp: 211292
Ion Ratio Lower Upper
228 100
226 32.0 25.6 38.4
229 19.4 15.7 23.5

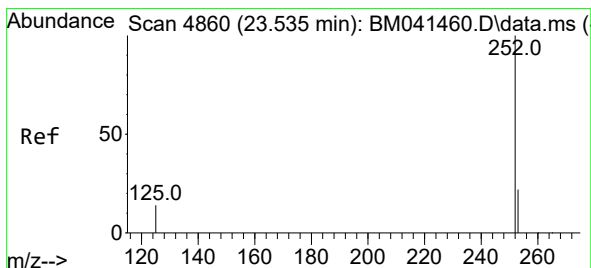
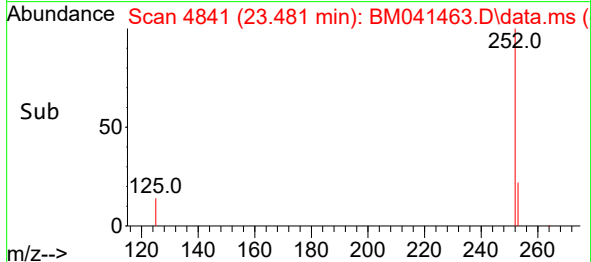
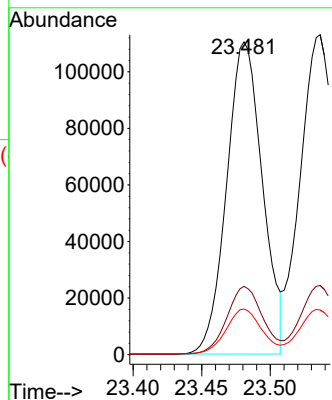
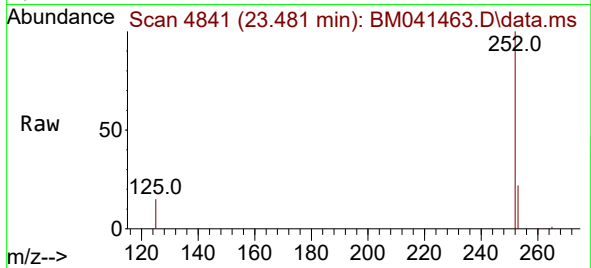




#24
Benzo(b)fluoranthene
Concen: 3.844 ng/ul
RT: 23.481 min Scan# 4841
Delta R.T. -0.002 min
Lab File: BM041463.D
Acq: 24 Aug 2023 12:49

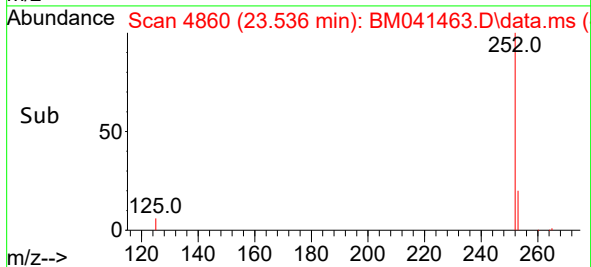
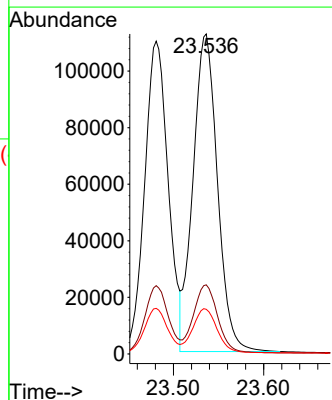
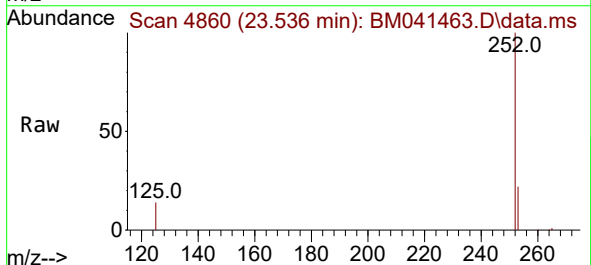
Instrument :
BNA_M
ClientSampleId :
SSTD3.2048

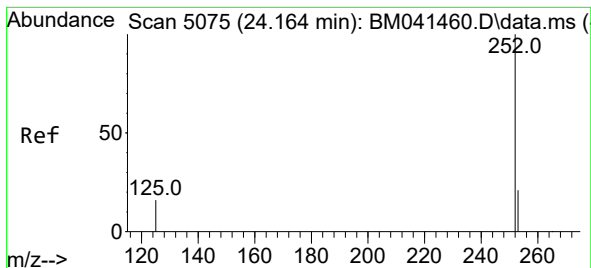
Tgt Ion:252 Resp: 200465
Ion Ratio Lower Upper
252 100
253 21.9 0.0 46.8
125 14.6 0.0 32.8



#25
Benzo(k)fluoranthene
Concen: 4.047 ng/ul
RT: 23.536 min Scan# 4860
Delta R.T. 0.001 min
Lab File: BM041463.D
Acq: 24 Aug 2023 12:49

Tgt Ion:252 Resp: 211156
Ion Ratio Lower Upper
252 100
253 21.6 19.1 28.7
125 14.0 13.4 20.0





#26

Benzo(a)pyrene

Concen: 4.048 ng/ul

RT: 24.165 min Scan# 5075

Delta R.T. 0.001 min

Lab File: BM041463.D

Acq: 24 Aug 2023 12:49

Instrument :

BNA_M

ClientSampleId :

SSTD3.2048

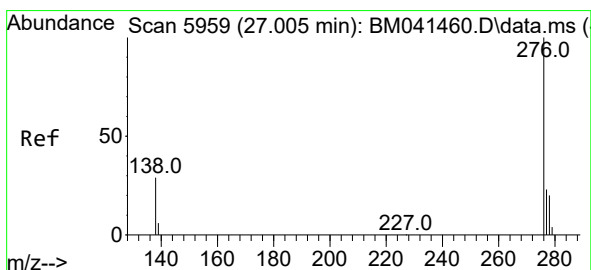
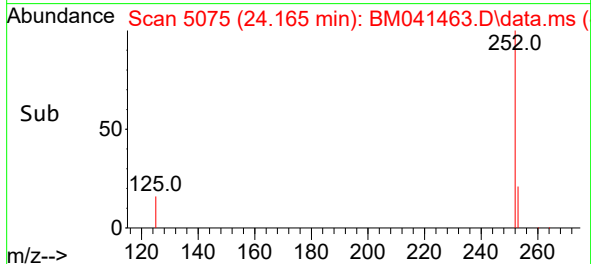
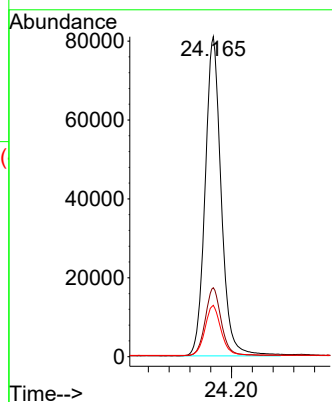
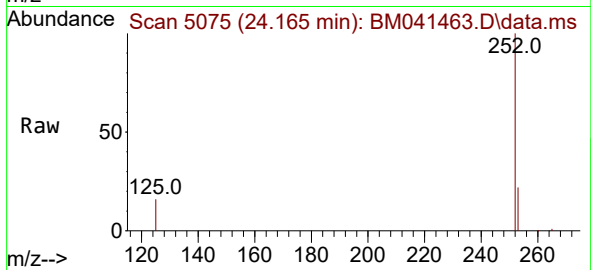
Tgt Ion:252 Resp: 173461

Ion Ratio Lower Upper

252 100

253 21.6 19.5 29.3

125 16.1 16.0 24.0



#27

Indeno(1,2,3-cd)pyrene

Concen: 4.162 ng/ul

RT: 27.006 min Scan# 5959

Delta R.T. 0.001 min

Lab File: BM041463.D

Acq: 24 Aug 2023 12:49

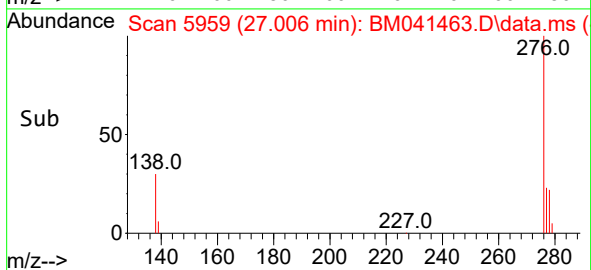
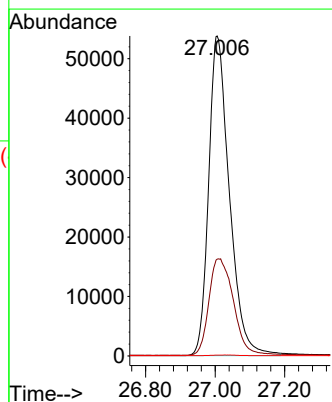
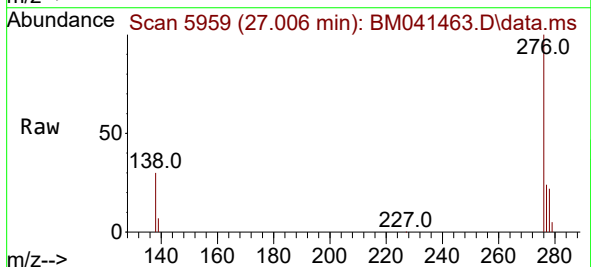
Tgt Ion:276 Resp: 222818

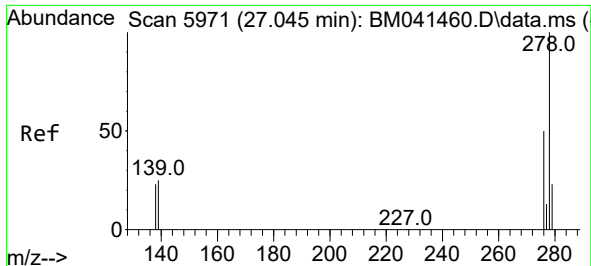
Ion Ratio Lower Upper

276 100

138 35.6 27.8 41.6

227 0.0 0.0 0.0

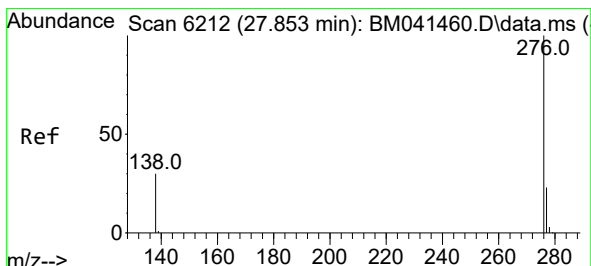
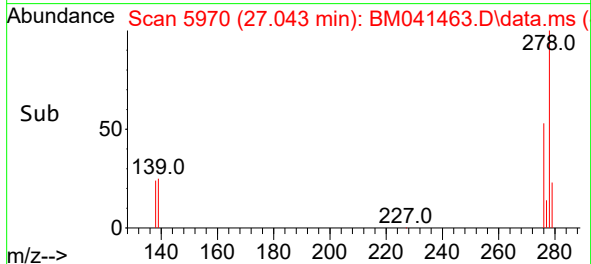
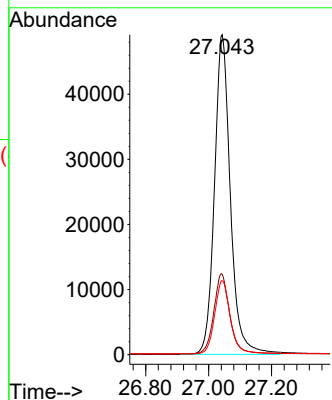
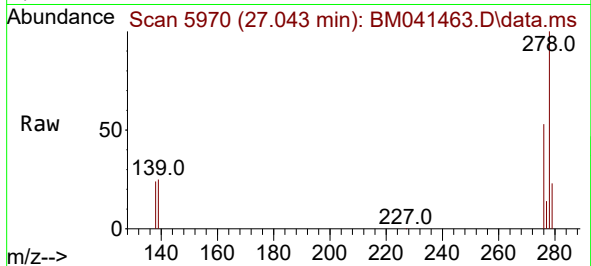




#28
Dibenzo(a,h)anthracene
Concen: 4.213 ng/ul
RT: 27.043 min Scan# 5971
Delta R.T. -0.002 min
Lab File: BM041463.D
Acq: 24 Aug 2023 12:49

Instrument :
BNA_M
ClientSampleId :
SSTD3.2048

Tgt Ion:278 Resp: 172639
Ion Ratio Lower Upper
278 100
139 25.2 21.9 32.9
279 23.2 21.4 32.0



#29
Benzo(g,h,i)perylene
Concen: 4.067 ng/ul
RT: 27.851 min Scan# 6211
Delta R.T. -0.002 min
Lab File: BM041463.D
Acq: 24 Aug 2023 12:49

Tgt Ion:276 Resp: 191775
Ion Ratio Lower Upper
276 100
138 30.5 25.9 38.9
277 23.2 19.4 29.2

