

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091523\
 Data File : BM041882.D
 Acq On : 15 Sep 2023 12:35
 Operator : MA/JU
 Sample : SST0.237
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST0.2030

Quant Time: Sep 16 03:43:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM091523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 16 03:41:42 2023
 Response via : Initial Calibration

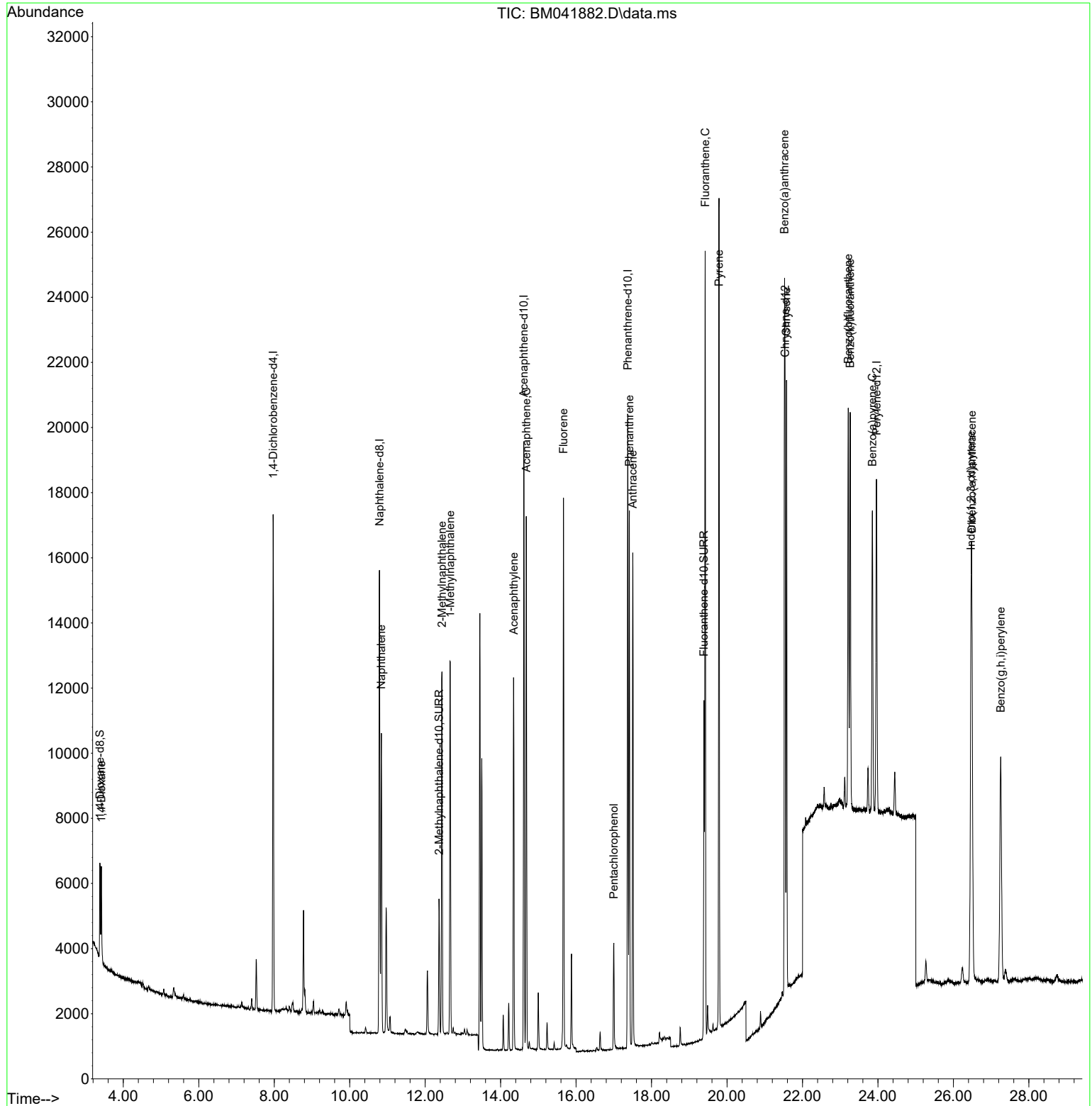
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	7564	0.400	ng/ul	0.00
4) Naphthalene-d8	10.790	136	18458	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.615	164	9591	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.371	188	20801	0.400	ng/ul	0.00
17) Chrysene-d12	21.542	240	12992	0.400	ng/ul	0.00
23) Perylene-d12	23.962	264	13939	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	1828	0.196	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.368	152	5058	0.203	ng/ul	0.00
18) Fluoranthene-d10	19.389	212	9557	0.216	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.418	88	1837	0.188	ng/ul#	80
5) Naphthalene	10.839	128	12267	0.200	ng/ul	99
7) 2-Methylnaphthalene	12.445	142	7715	0.207	ng/ul	99
8) 1-Methylnaphthalene	12.665	142	7850	0.206	ng/ul	99
10) Acenaphthylene	14.347	152	13145	0.217	ng/ul	99
11) Acenaphthene	14.680	153	9150	0.201	ng/ul	99
12) Fluorene	15.665	166	10648	0.200	ng/ul	99
14) Pentachlorophenol	16.999	266	2245	0.191	ng/ul	100
15) Phenanthrene	17.413	178	16832	0.189	ng/ul	97
16) Anthracene	17.502	178	16046	0.203	ng/ul	99
19) Fluoranthene	19.422	202	19532	0.199	ng/ul	98
20) Pyrene	19.789	202	20656	0.201	ng/ul	99
21) Benzo(a)anthracene	21.524	228	16405	0.196	ng/ul	98
22) Chrysene	21.577	228	15459	0.183	ng/ul	97
24) Benzo(b)fluoranthene	23.213	252	15998	0.168	ng/ul	86
25) Benzo(k)fluoranthene	23.263	252	15630	0.178	ng/ul#	87
26) Benzo(a)pyrene	23.854	252	13412	0.183	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	26.468	276	17607	0.159	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.488	278	13198	0.161	ng/ul#	89
29) Benzo(g,h,i)perylene	27.253	276	14379	0.154	ng/ul	93

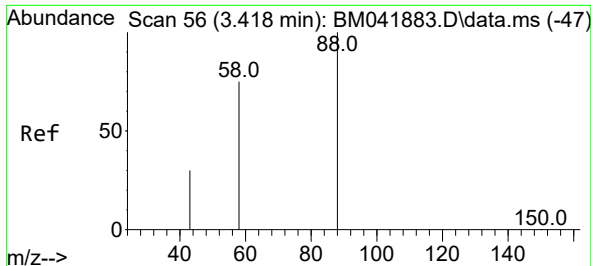
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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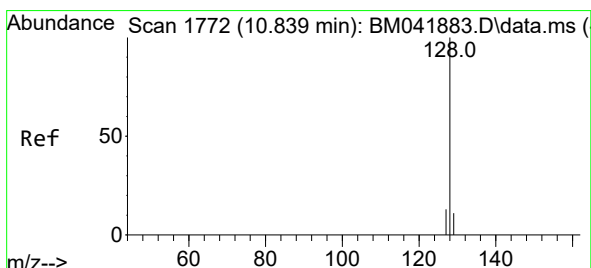
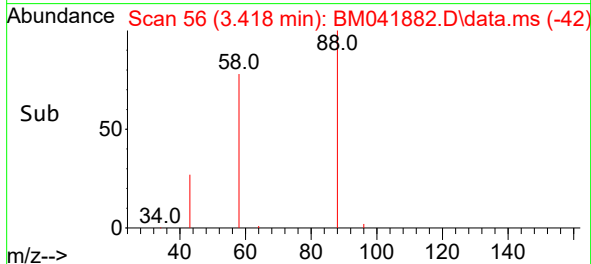
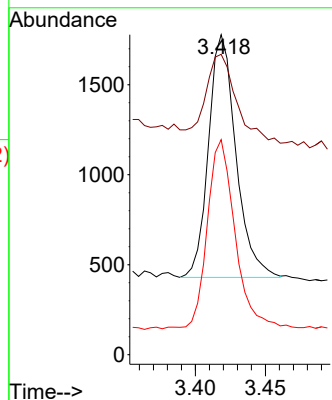
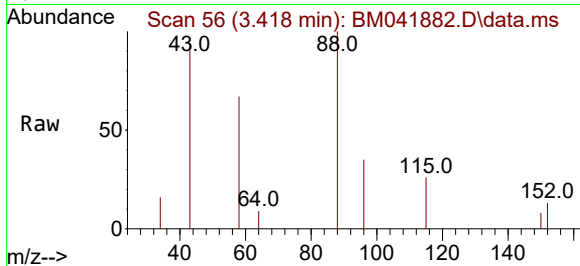




#2
1,4-Dioxane
Concen: 0.188 ng/ul
RT: 3.418 min Scan# 56
Delta R.T. -0.000 min
Lab File: BM041882.D
Acq: 15 Sep 2023 12:35

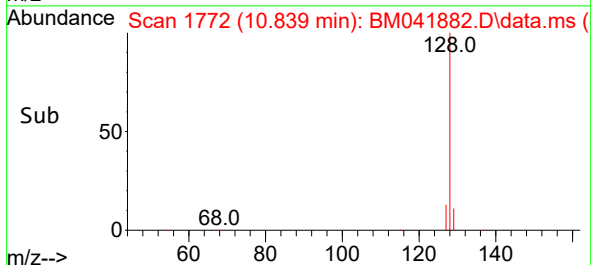
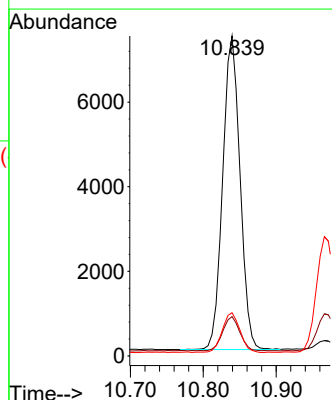
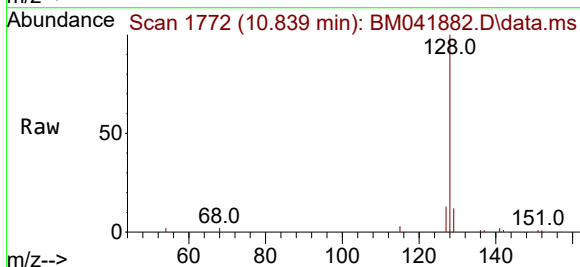
Instrument :
BNA_M
ClientSampleId :
SSTD0.2030

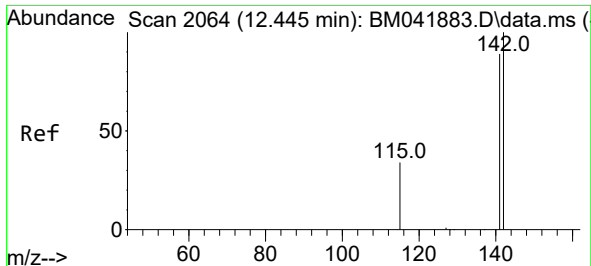
Tgt Ion: 88 Resp: 1837
Ion Ratio Lower Upper
88 100
43 93.9 51.0 76.4#
58 67.2 56.2 84.4



#5
Naphthalene
Concen: 0.200 ng/ul
RT: 10.839 min Scan# 1772
Delta R.T. -0.000 min
Lab File: BM041882.D
Acq: 15 Sep 2023 12:35

Tgt Ion: 128 Resp: 12267
Ion Ratio Lower Upper
128 100
129 12.3 9.0 13.6
127 13.5 10.6 16.0

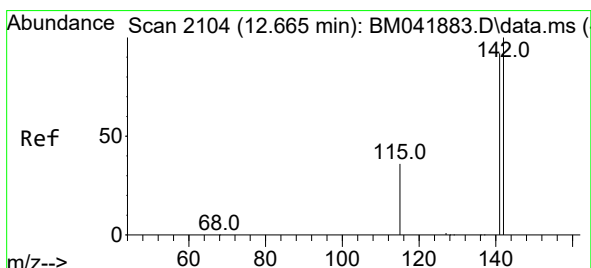
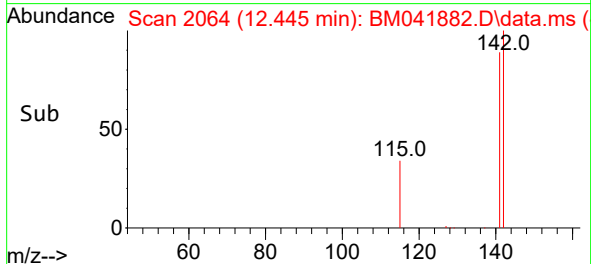
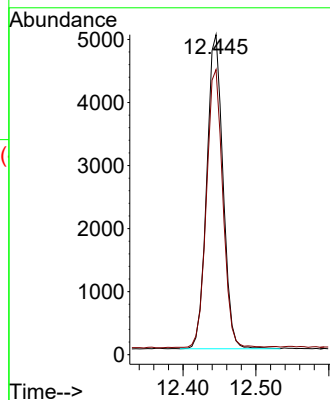
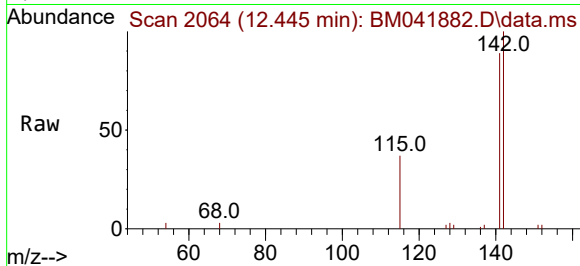




#7
2-Methylnaphthalene
Concen: 0.207 ng/ul
RT: 12.445 min Scan# 2064
Delta R.T. -0.000 min
Lab File: BM041882.D
Acq: 15 Sep 2023 12:35

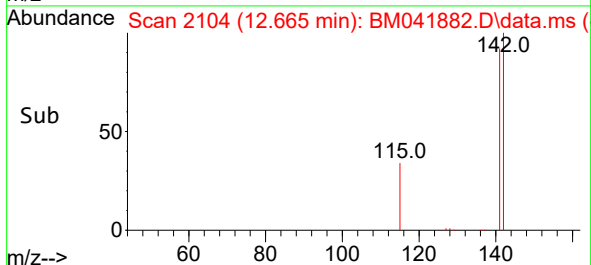
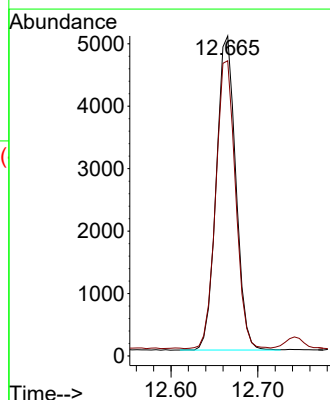
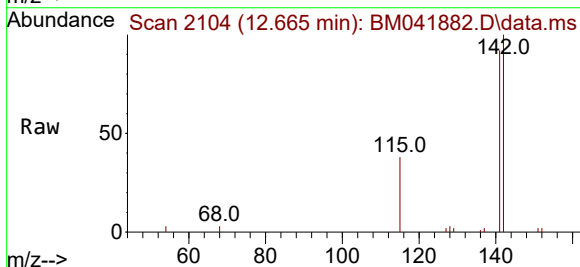
Instrument :
BNA_M
ClientSampleId :
SSTD0.2030

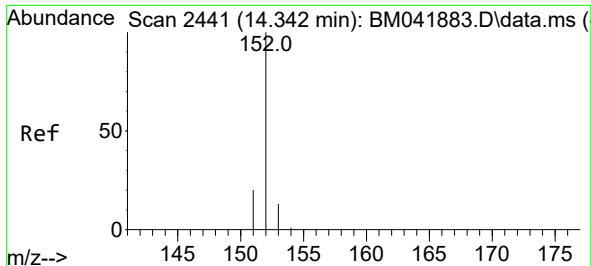
Tgt Ion:142 Resp: 7715
Ion Ratio Lower Upper
142 100
141 89.7 71.1 106.7



#8
1-Methylnaphthalene
Concen: 0.206 ng/ul
RT: 12.665 min Scan# 2104
Delta R.T. -0.000 min
Lab File: BM041882.D
Acq: 15 Sep 2023 12:35

Tgt Ion:142 Resp: 7850
Ion Ratio Lower Upper
142 100
141 93.0 73.9 110.9

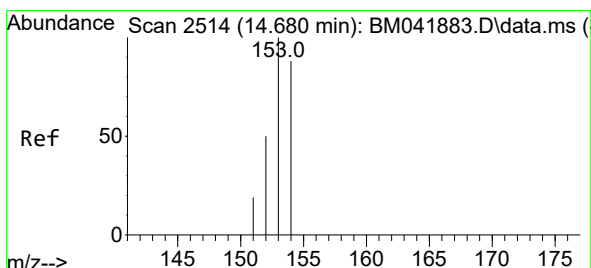
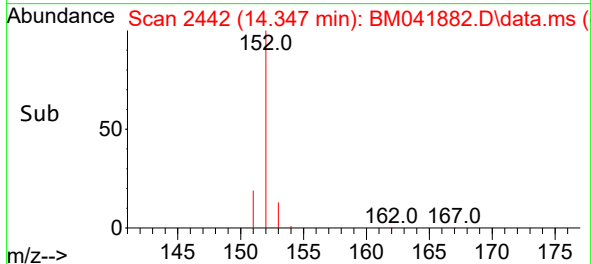
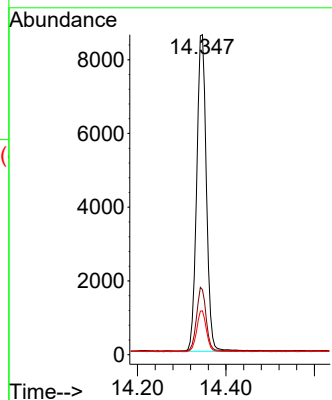
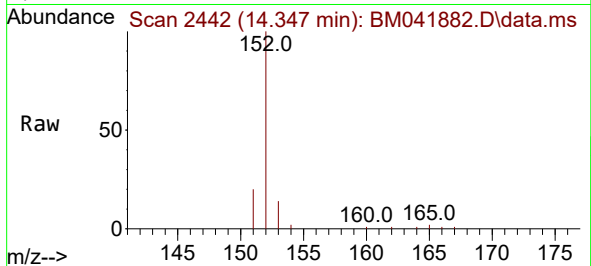




#10
Acenaphthylene
Concen: 0.217 ng/ul
RT: 14.347 min Scan# 2441
Delta R.T. 0.005 min
Lab File: BM041882.D
Acq: 15 Sep 2023 12:35

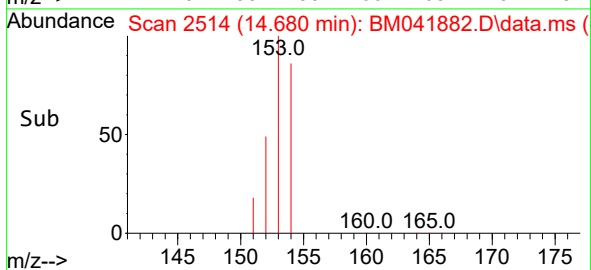
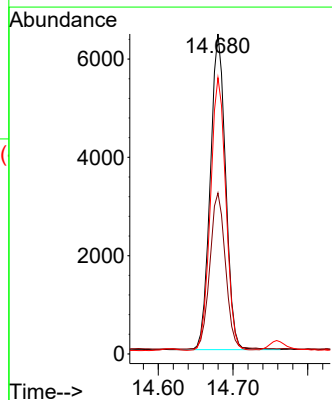
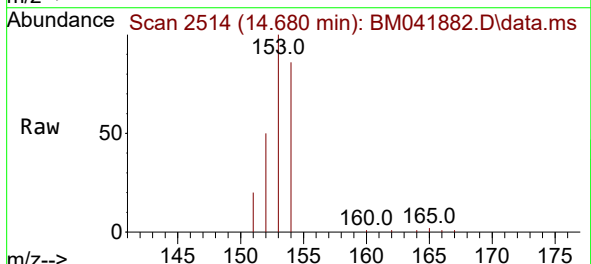
Instrument :
BNA_M
ClientSampleId :
SSTD0.2030

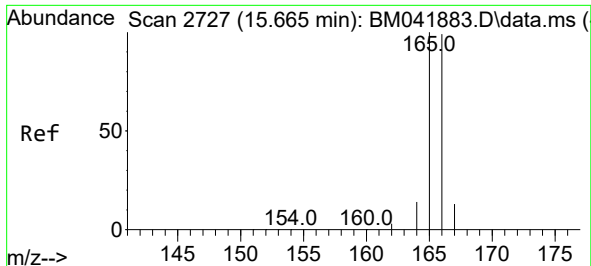
Tgt Ion:	152	Resp:	13145
Ion Ratio	Lower	Upper	
152	100		
151	20.3	16.4	24.6
153	13.7	10.6	16.0



#11
Acenaphthene
Concen: 0.201 ng/ul
RT: 14.680 min Scan# 2514
Delta R.T. -0.000 min
Lab File: BM041882.D
Acq: 15 Sep 2023 12:35

Tgt Ion:	153	Resp:	9150
Ion Ratio	Lower	Upper	
153	100		
152	50.3	40.5	60.7
154	86.4	70.2	105.4

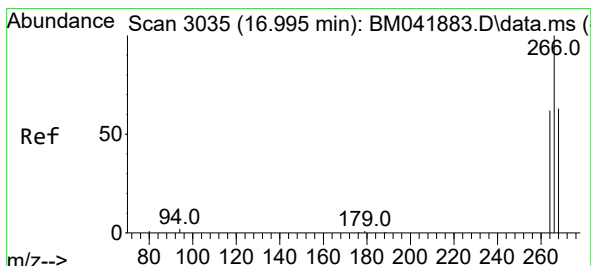
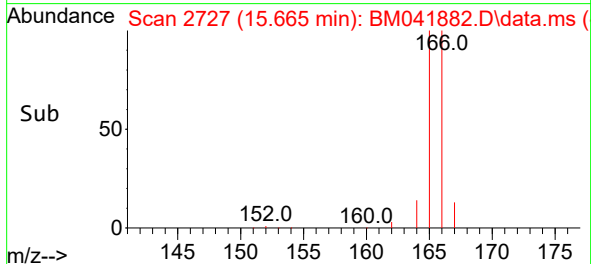
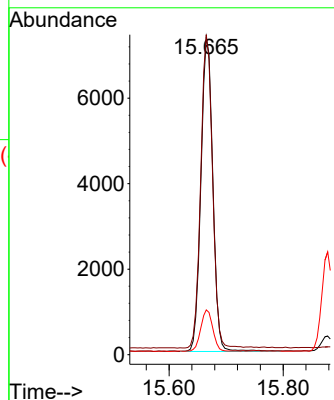
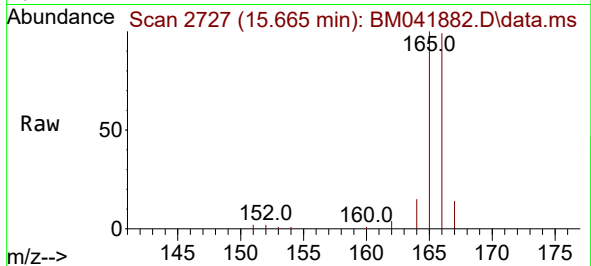




#12
Fluorene
Concen: 0.200 ng/ul
RT: 15.665 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM041882.D
Acq: 15 Sep 2023 12:35

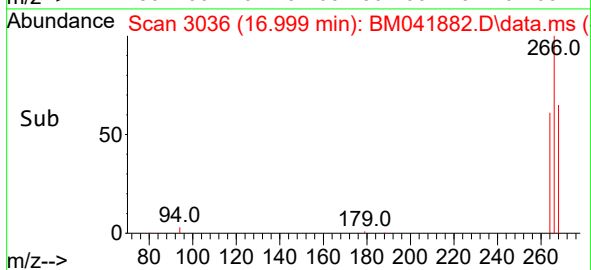
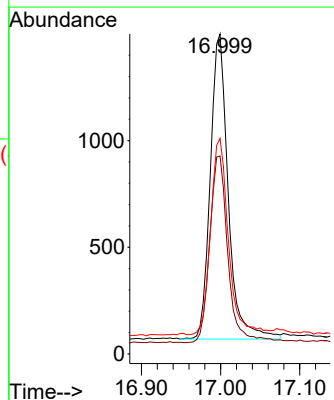
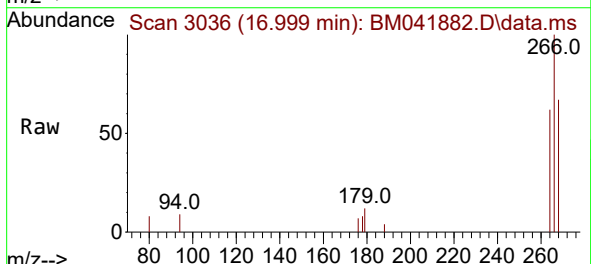
Instrument :
BNA_M
ClientSampleId :
SSTD0.2030

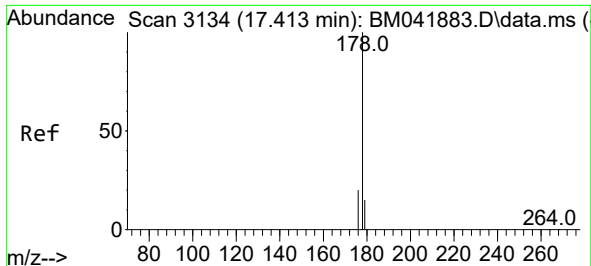
Tgt Ion:166 Resp: 10648
Ion Ratio Lower Upper
166 100
165 100.8 81.4 122.0
167 14.1 11.0 16.6



#14
Pentachlorophenol
Concen: 0.191 ng/ul
RT: 16.999 min Scan# 3036
Delta R.T. 0.004 min
Lab File: BM041882.D
Acq: 15 Sep 2023 12:35

Tgt Ion:266 Resp: 2245
Ion Ratio Lower Upper
266 100
264 62.2 49.8 74.8
268 64.3 51.3 76.9

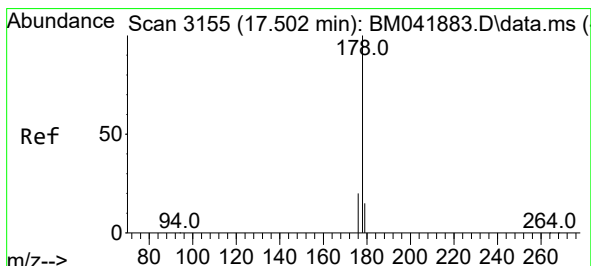
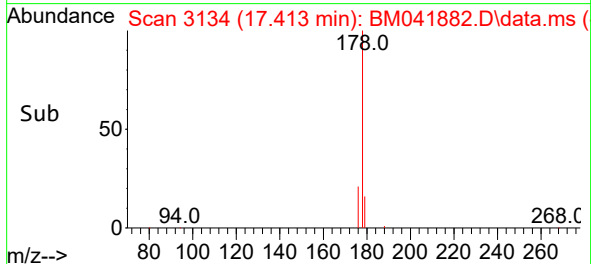
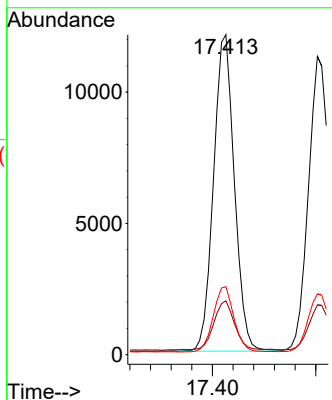
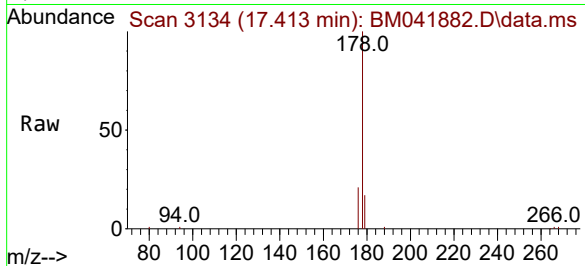




#15
Phenanthrene
Concen: 0.189 ng/ul
RT: 17.413 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BM041882.D
Acq: 15 Sep 2023 12:35

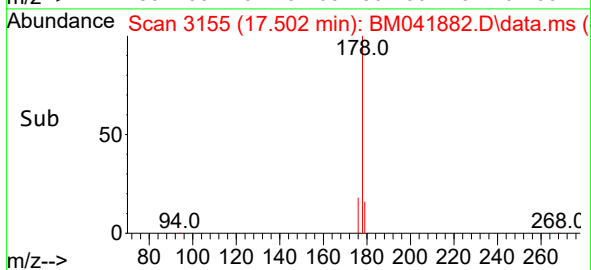
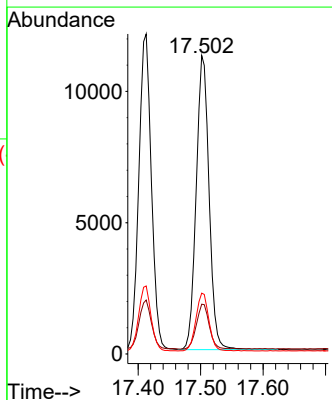
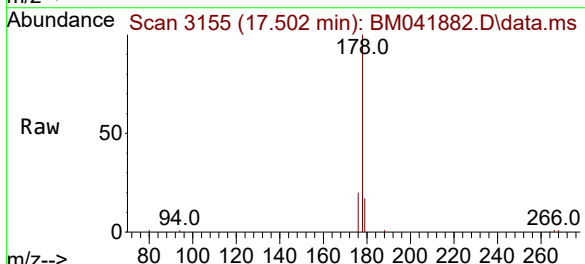
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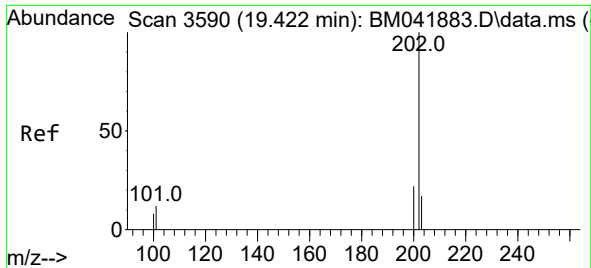
Tgt Ion:178 Resp: 16832
Ion Ratio Lower Upper
178 100
179 16.8 12.6 18.8
176 21.3 16.1 24.1



#16
Anthracene
Concen: 0.203 ng/ul
RT: 17.502 min Scan# 3155
Delta R.T. -0.000 min
Lab File: BM041882.D
Acq: 15 Sep 2023 12:35

Tgt Ion:178 Resp: 16046
Ion Ratio Lower Upper
178 100
179 16.7 12.9 19.3
176 20.4 16.3 24.5

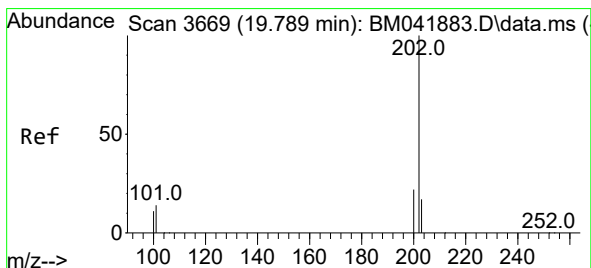
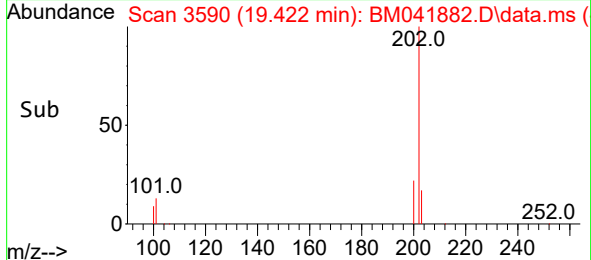
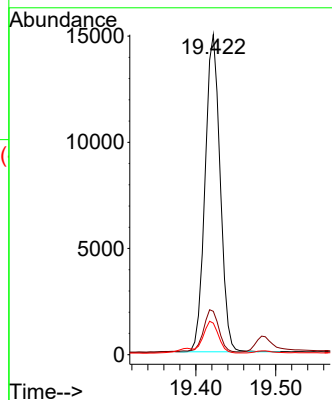
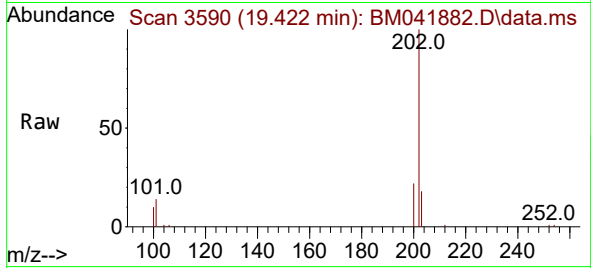




#19
Fluoranthene
Concen: 0.199 ng/ul
RT: 19.422 min Scan# 3590
Delta R.T. -0.000 min
Lab File: BM041882.D
Acq: 15 Sep 2023 12:35

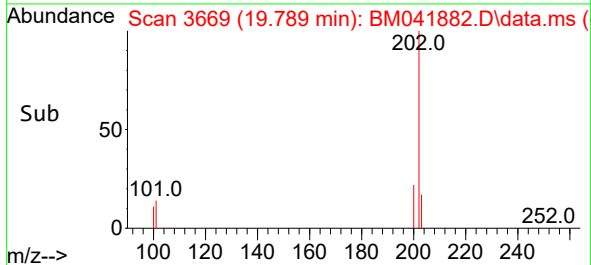
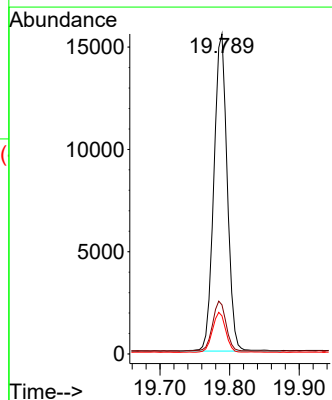
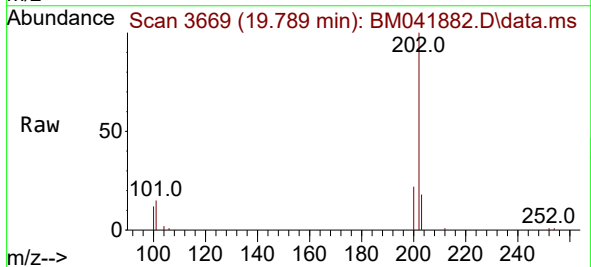
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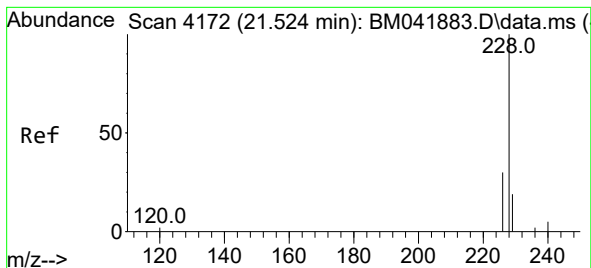
Tgt Ion:202 Resp: 19532
Ion Ratio Lower Upper
202 100
101 13.6 10.1 15.1
100 9.9 7.5 11.3



#20
Pyrene
Concen: 0.201 ng/ul
RT: 19.789 min Scan# 3669
Delta R.T. -0.000 min
Lab File: BM041882.D
Acq: 15 Sep 2023 12:35

Tgt Ion:202 Resp: 20656
Ion Ratio Lower Upper
202 100
101 15.3 11.8 17.6
100 11.9 9.3 13.9





#21

Benzo(a)anthracene

Concen: 0.196 ng/ul

RT: 21.524 min Scan# 41

Delta R.T. -0.000 min

Lab File: BM041882.D

Acq: 15 Sep 2023 12:35

Instrument :

BNA_M

ClientSampleId :

SSTD0.2030

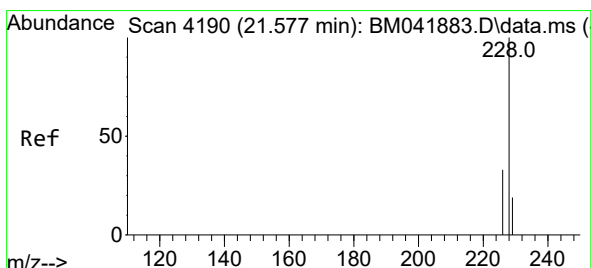
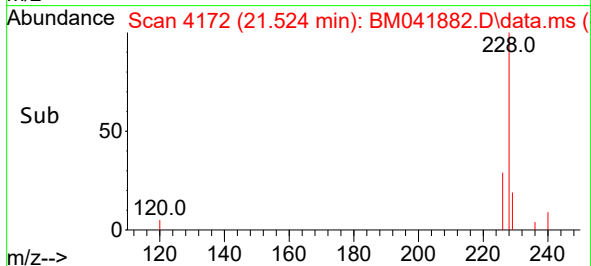
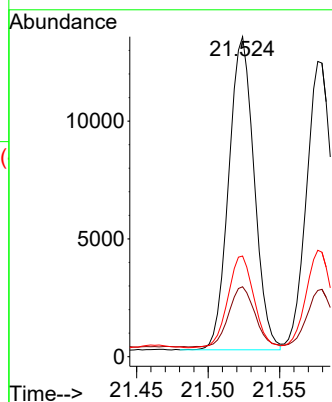
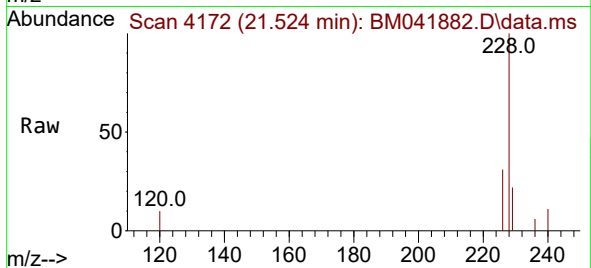
Tgt Ion:228 Resp: 16405

Ion Ratio Lower Upper

228 100

229 21.9 16.6 24.8

226 31.4 24.6 37.0



#22

Chrysene

Concen: 0.183 ng/ul

RT: 21.577 min Scan# 4190

Delta R.T. -0.000 min

Lab File: BM041882.D

Acq: 15 Sep 2023 12:35

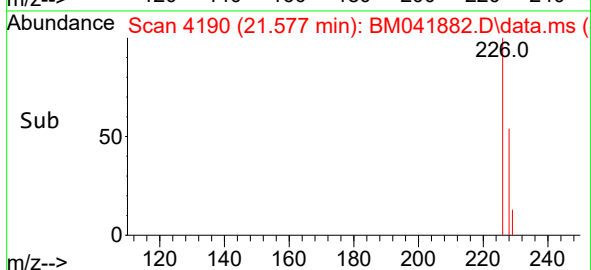
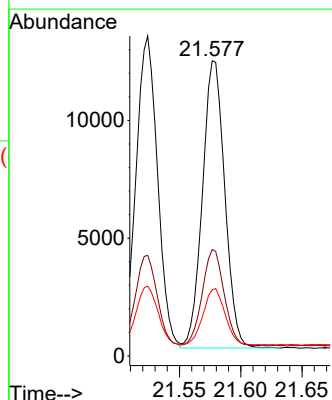
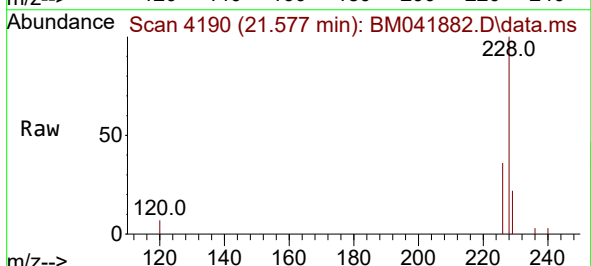
Tgt Ion:228 Resp: 15459

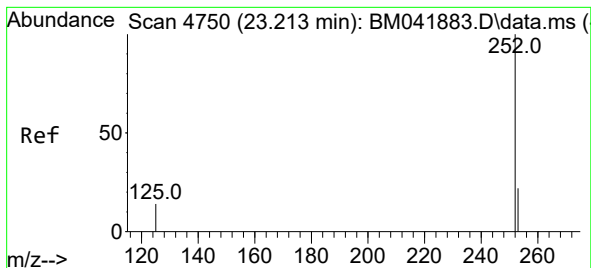
Ion Ratio Lower Upper

228 100

226 36.0 27.3 40.9

229 22.4 16.6 25.0





#24

Benzo(b)fluoranthene

Concen: 0.168 ng/ul

RT: 23.213 min Scan# 4750

Delta R.T. -0.000 min

Lab File: BM041882.D

Acq: 15 Sep 2023 12:35

Instrument :

BNA_M

ClientSampleId :

SSTD0.2030

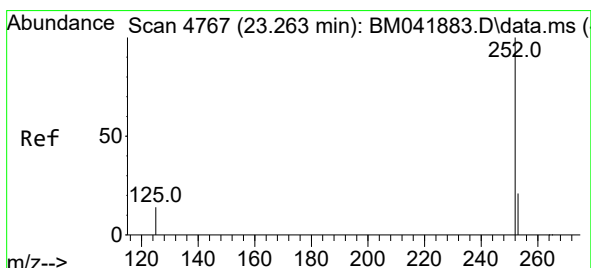
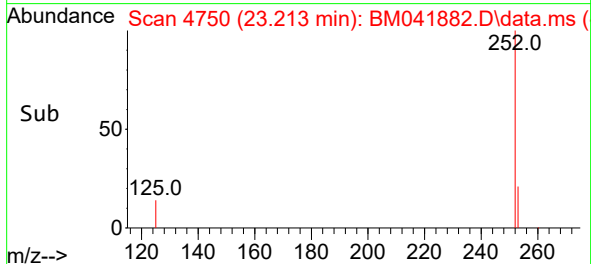
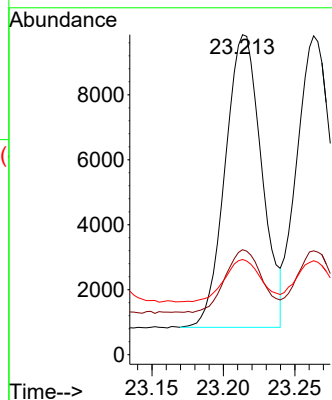
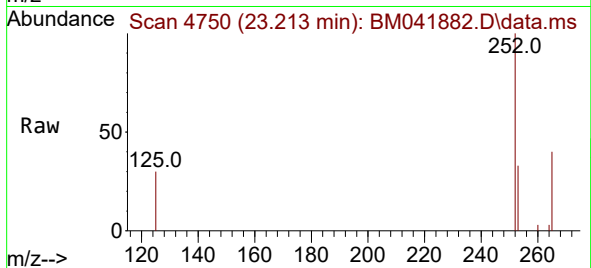
Tgt Ion:252 Resp: 15998

Ion Ratio Lower Upper

252 100

253 32.8 0.0 54.6

125 29.7 0.0 43.0



#25

Benzo(k)fluoranthene

Concen: 0.178 ng/ul

RT: 23.263 min Scan# 4767

Delta R.T. -0.000 min

Lab File: BM041882.D

Acq: 15 Sep 2023 12:35

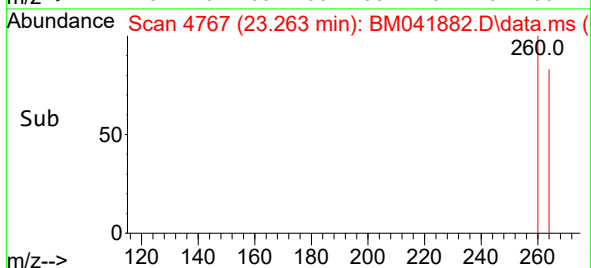
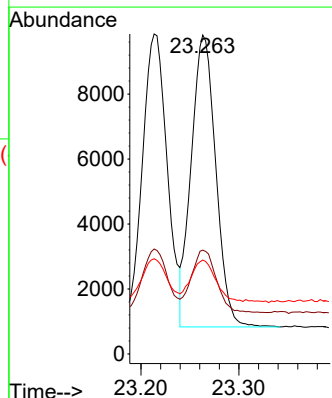
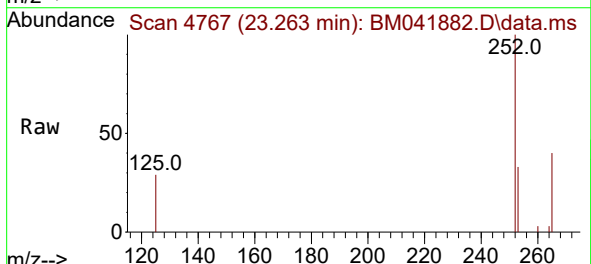
Tgt Ion:252 Resp: 15630

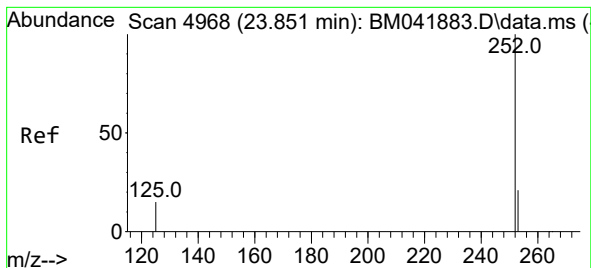
Ion Ratio Lower Upper

252 100

253 32.5 21.8 32.8

125 29.4 17.4 26.2#





#26

Benzo(a)pyrene

Concen: 0.183 ng/ul

RT: 23.854 min Scan# 4968

Delta R.T. 0.003 min

Lab File: BM041882.D

Acq: 15 Sep 2023 12:35

Instrument :

BNA_M

ClientSampleId :

SSTD0.2030

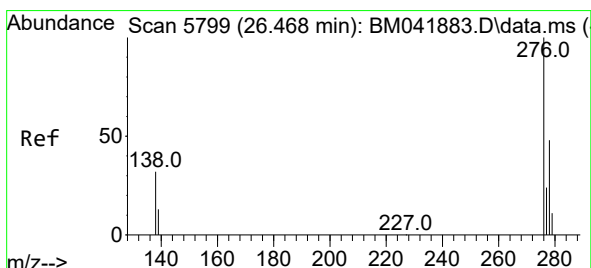
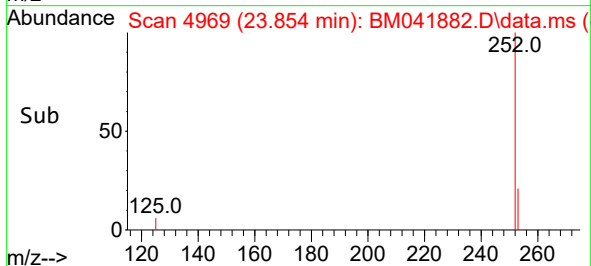
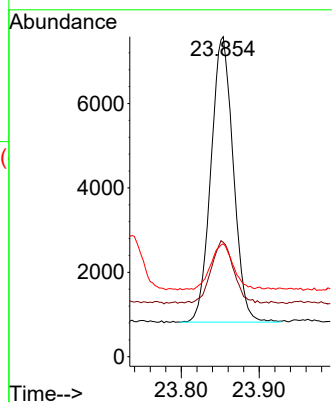
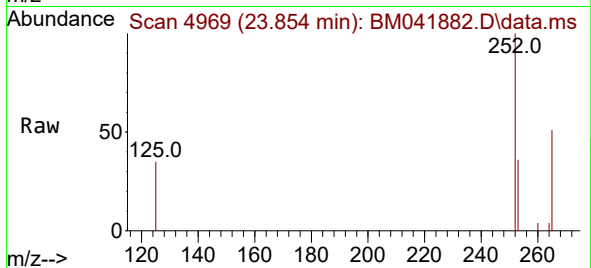
Tgt Ion:252 Resp: 13412

Ion Ratio Lower Upper

252 100

253 35.7 23.0 34.4#

125 35.3 19.9 29.9#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.159 ng/ul

RT: 26.468 min Scan# 5799

Delta R.T. -0.000 min

Lab File: BM041882.D

Acq: 15 Sep 2023 12:35

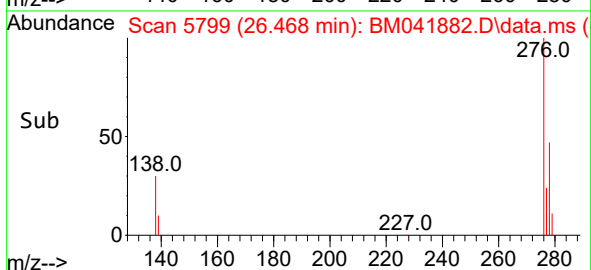
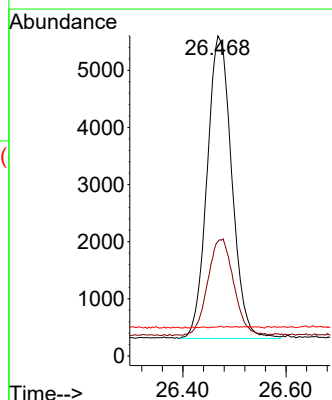
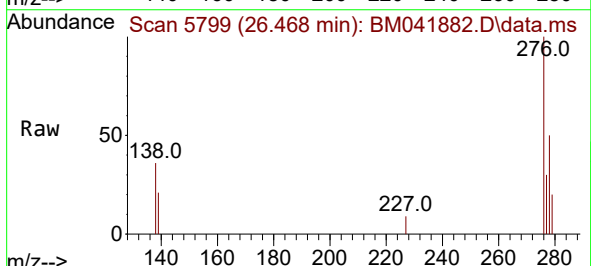
Tgt Ion:276 Resp: 17607

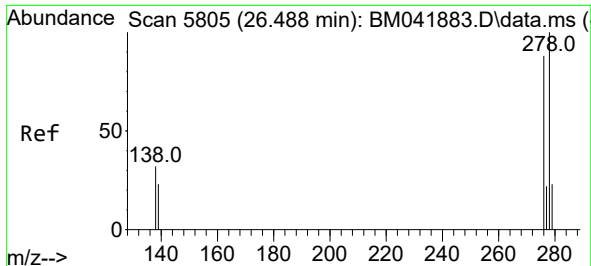
Ion Ratio Lower Upper

276 100

138 33.2 26.7 40.1

227 0.2 0.0 0.0#





#28

Dibenzo(a,h)anthracene

Concen: 0.161 ng/ul

RT: 26.488 min Scan# 5805

Delta R.T. -0.000 min

Lab File: BM041882.D

Acq: 15 Sep 2023 12:35

Instrument :

BNA_M

ClientSampleId :

SSTD0.2030

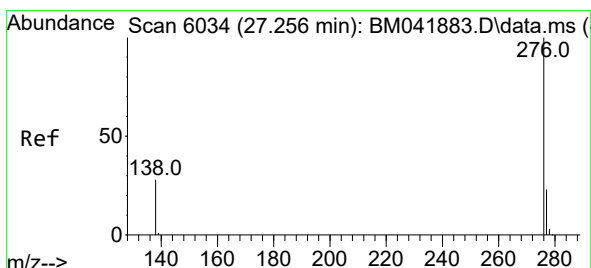
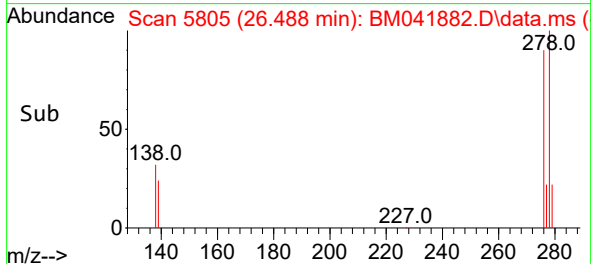
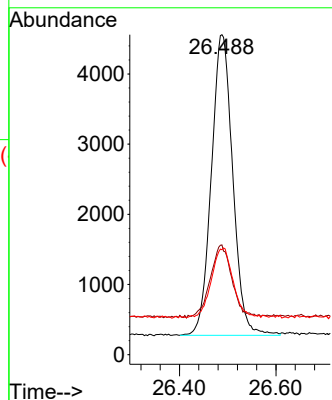
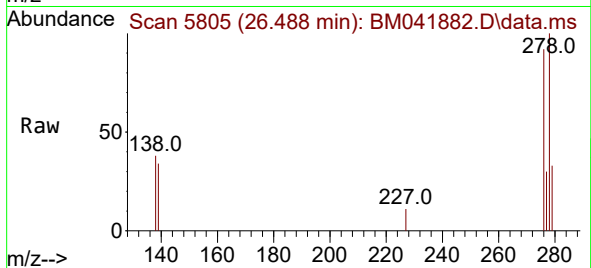
Tgt Ion:278 Resp: 13198

Ion Ratio Lower Upper

278 100

139 34.3 22.6 33.8#

279 32.8 22.2 33.4



#29

Benzo(g,h,i)perylene

Concen: 0.154 ng/ul

RT: 27.253 min Scan# 6033

Delta R.T. -0.003 min

Lab File: BM041882.D

Acq: 15 Sep 2023 12:35

Tgt Ion:276 Resp: 14379

Ion Ratio Lower Upper

276 100

138 34.8 24.9 37.3

277 30.6 21.4 32.0

