

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012224\
 Data File : BM043891.D
 Acq On : 22 Jan 2024 19:06
 Operator : MA/JU
 Sample : PB158502BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS502

Quant Time: Jan 23 00:30:34 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM011924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 22:45:24 2024
 Response via : Initial Calibration

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

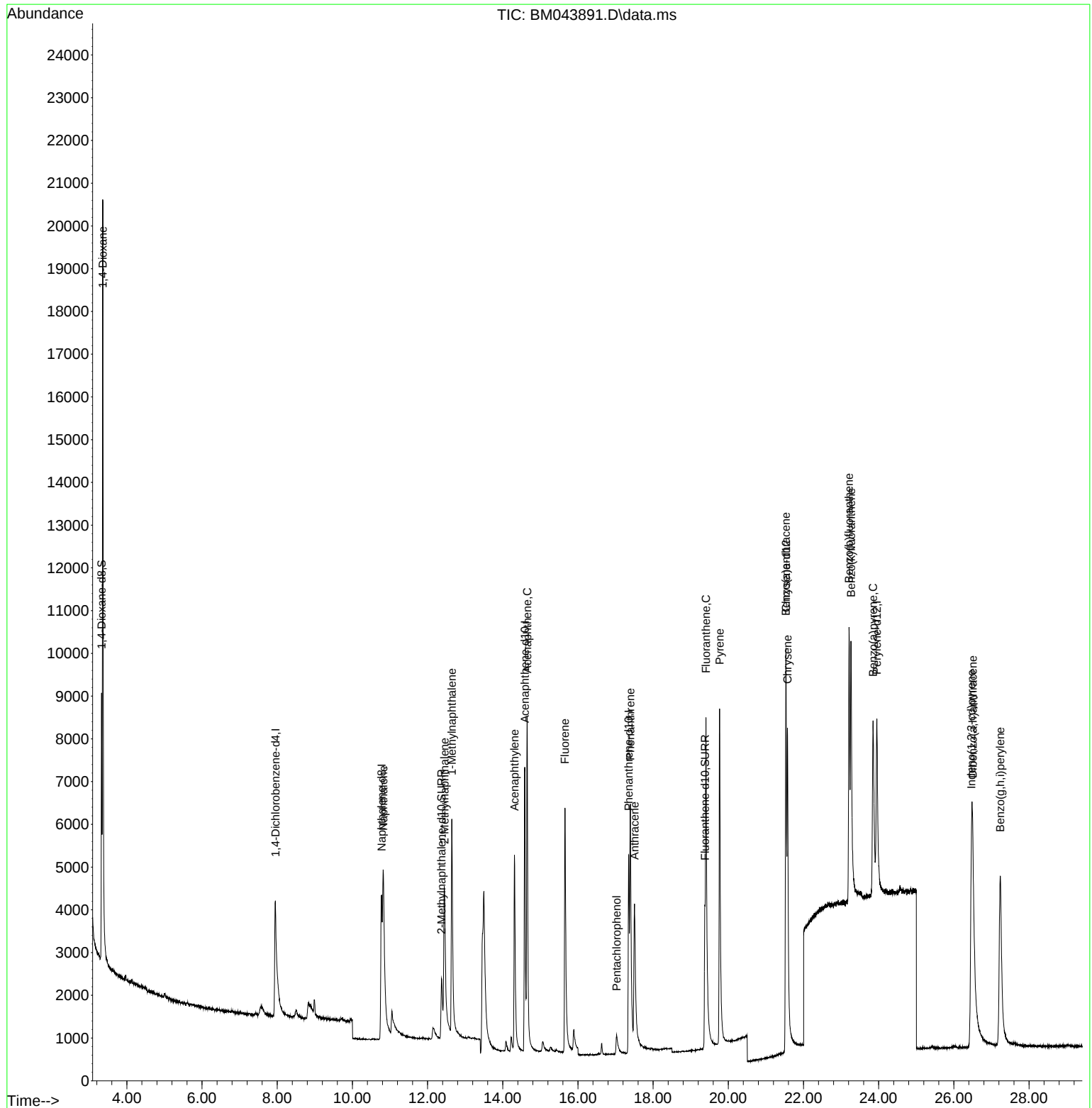
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.951	152	3894	0.400	ng/ul	0.02
4) Naphthalene-d8	10.776	136	10614	0.400	ng/ul	0.01
9) Acenaphthene-d10	14.585	164	4966	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.352	188	9375	0.400	ng/ul	0.00
17) Chrysene-d12	21.535	240	6306	0.400	ng/ul	0.00
23) Perylene-d12	23.950	264	8252	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.327	96	3777	0.712	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.371	152	4020	0.298	ng/ul	0.00
18) Fluoranthene-d10	19.378	212	6014	0.289	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.361	88	11447	2.000	ng/ul#	80
5) Naphthalene	10.826	128	9563	0.309	ng/ul	98
7) 2-Methylnaphthalene	12.448	142	5359	0.299	ng/ul	99
8) 1-Methylnaphthalene	12.646	142	5422	0.295	ng/ul	99
10) Acenaphthylene	14.312	152	8505	0.320	ng/ul	98
11) Acenaphthene	14.649	153	6262	0.317	ng/ul	100
12) Fluorene	15.653	166	6269	0.307	ng/ul	98
14) Pentachlorophenol	17.027	266	816	0.687	ng/ul#	92
15) Phenanthrene	17.394	178	8988	0.302	ng/ul	98
16) Anthracene	17.504	178	8535	0.308	ng/ul	97
19) Fluoranthene	19.406	202	10082	0.301	ng/ul	97
20) Pyrene	19.768	202	10821	0.308	ng/ul	96
21) Benzo(a)anthracene	21.529	228	7529	0.307	ng/ul	100
22) Chrysene	21.573	228	10845	0.329	ng/ul	99
24) Benzo(b)fluoranthene	23.213	252	9687	0.308	ng/ul	97
25) Benzo(k)fluoranthene	23.263	252	12242	0.325	ng/ul	97
26) Benzo(a)pyrene	23.850	252	10010	0.312	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	26.467	276	13795	0.334	ng/ul#	44
28) Dibenzo(a,h)anthracene	26.501	278	10388	0.329	ng/ul	99
29) Benzo(g,h,i)perylene	27.235	276	12548	0.340	ng/ul	98

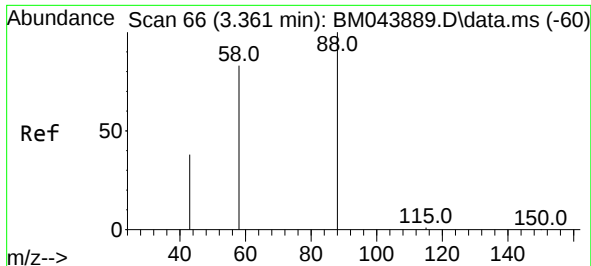
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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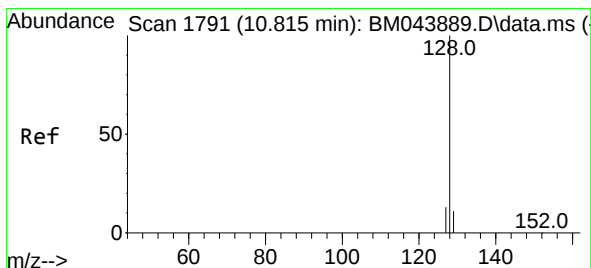
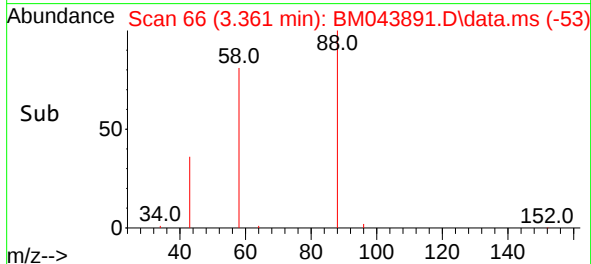
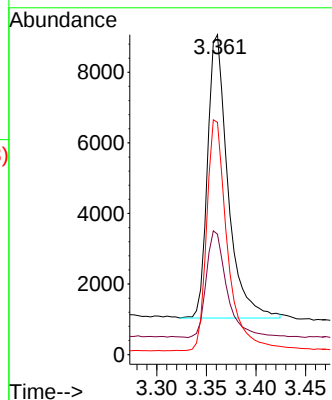
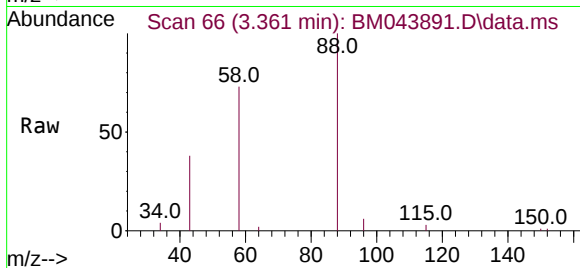




#2
1,4-Dioxane
Concen: 2.000 ng/ul
RT: 3.361 min Scan# 60
Delta R.T. -0.004 min
Lab File: BM043891.D
Acq: 22 Jan 2024 19:06

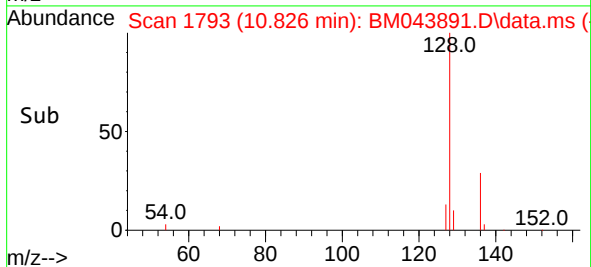
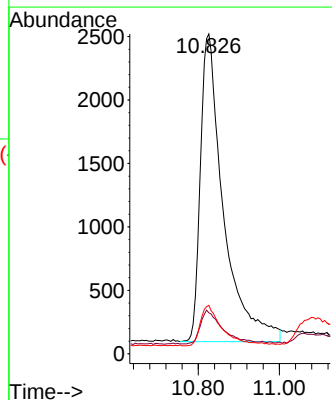
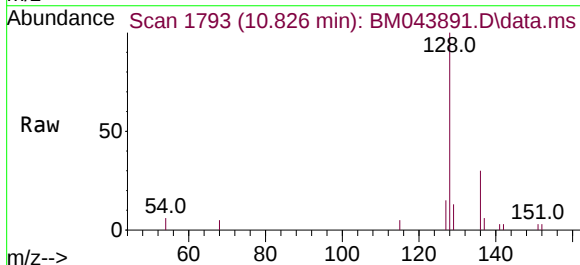
Instrument :
BNA_M
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SLCS502

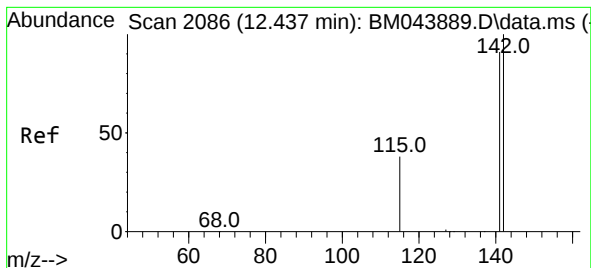
Tgt Ion: 88 Resp: 11447
Ion Ratio Lower Upper
88 100
43 37.6 32.2 48.4
58 72.6 40.2 60.4#



#5
Naphthalene
Concen: 0.309 ng/ul
RT: 10.826 min Scan# 1793
Delta R.T. 0.011 min
Lab File: BM043891.D
Acq: 22 Jan 2024 19:06

Tgt Ion:128 Resp: 9563
Ion Ratio Lower Upper
128 100
129 12.8 10.0 15.0
127 15.2 11.4 17.0





#7

2-Methylnaphthalene

Concen: 0.299 ng/ul

RT: 12.448 min Scan# 2086

Delta R.T. 0.011 min

Lab File: BM043891.D

Acq: 22 Jan 2024 19:06

Instrument :

BNA_M

ClientSampleId :

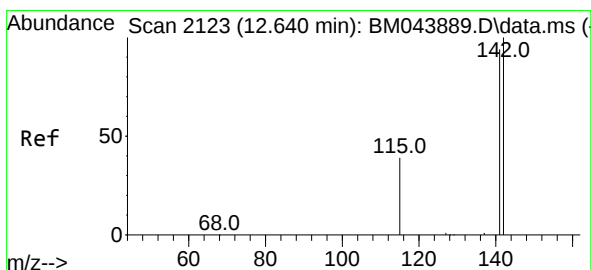
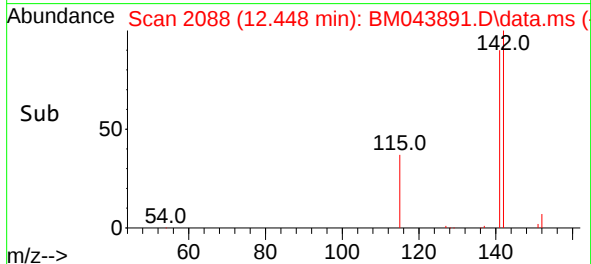
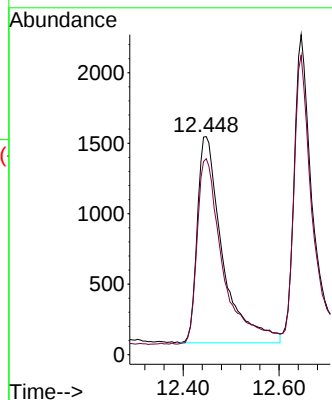
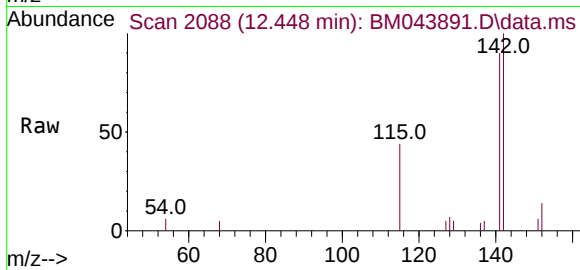
SLCS502

Tgt Ion:142 Resp: 5359

Ion Ratio Lower Upper

142 100

141 92.3 73.0 109.4



#8

1-Methylnaphthalene

Concen: 0.295 ng/ul

RT: 12.646 min Scan# 2124

Delta R.T. 0.006 min

Lab File: BM043891.D

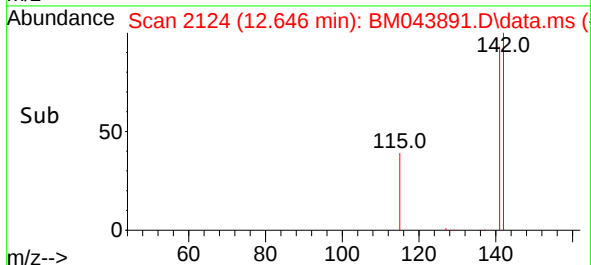
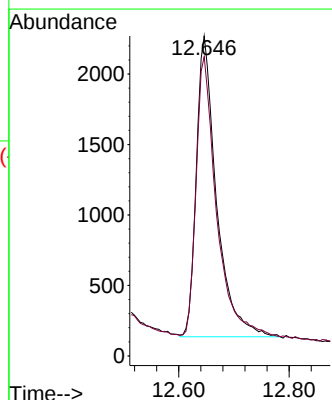
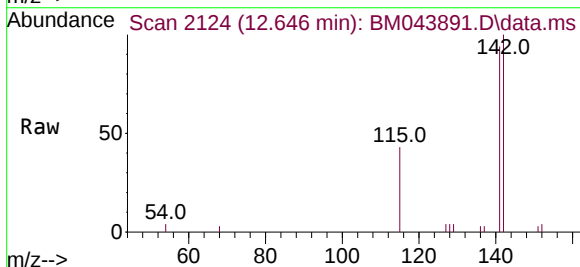
Acq: 22 Jan 2024 19:06

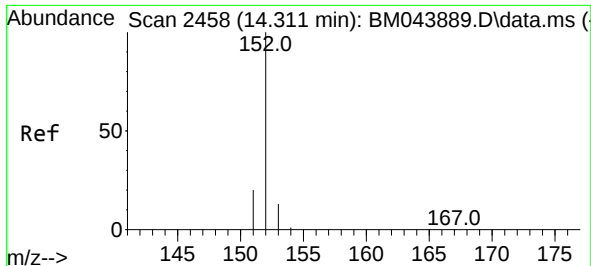
Tgt Ion:142 Resp: 5422

Ion Ratio Lower Upper

142 100

141 93.8 74.6 111.8

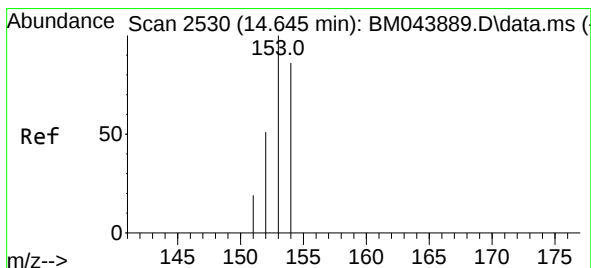
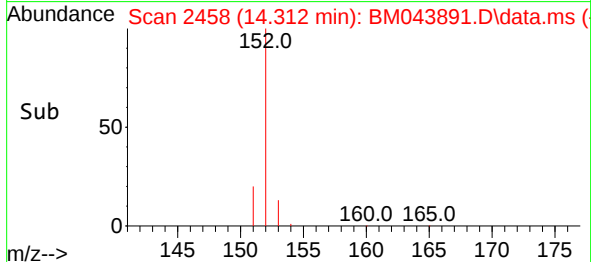
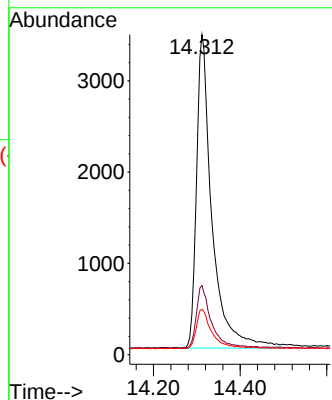
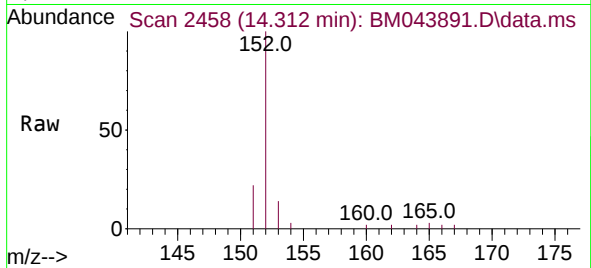




#10
Acenaphthylene
Concen: 0.320 ng/ul
RT: 14.312 min Scan# 2458
Delta R.T. 0.000 min
Lab File: BM043891.D
Acq: 22 Jan 2024 19:06

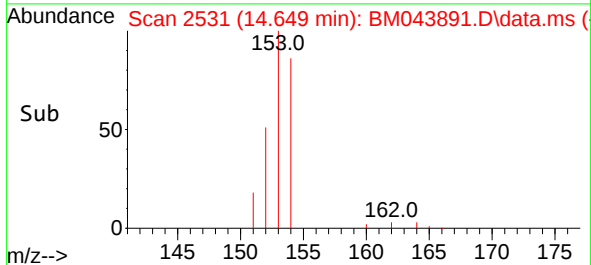
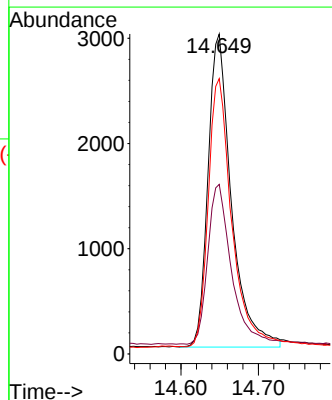
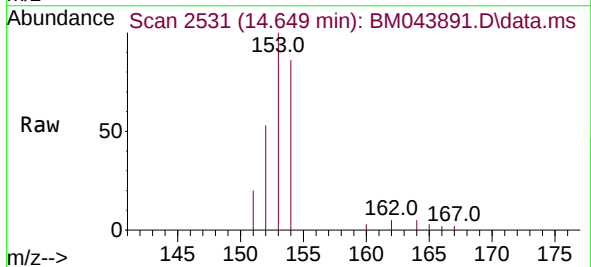
Instrument :
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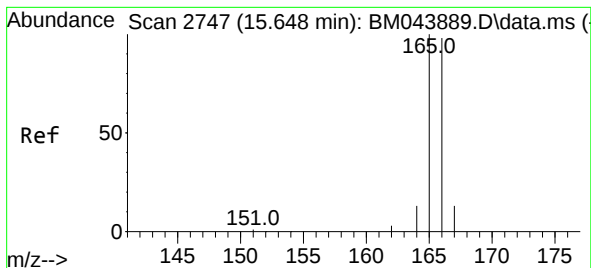
Tgt Ion:152 Resp: 8505
Ion Ratio Lower Upper
152 100
151 21.6 16.6 24.8
153 14.2 11.7 17.5



#11
Acenaphthene
Concen: 0.317 ng/ul
RT: 14.649 min Scan# 2531
Delta R.T. 0.005 min
Lab File: BM043891.D
Acq: 22 Jan 2024 19:06

Tgt Ion:153 Resp: 6262
Ion Ratio Lower Upper
153 100
152 53.0 42.1 63.1
154 86.0 69.0 103.6





#12

Fluorene

Concen: 0.307 ng/ul

RT: 15.653 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM043891.D

Acq: 22 Jan 2024 19:06

Instrument :

BNA_M

ClientSampleId :

SLCS502

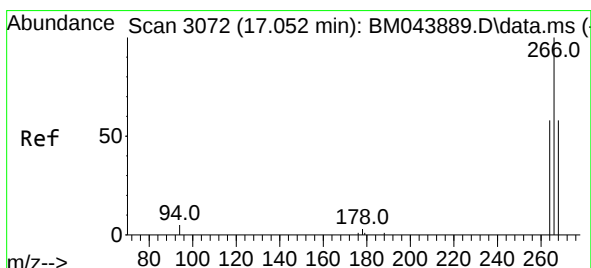
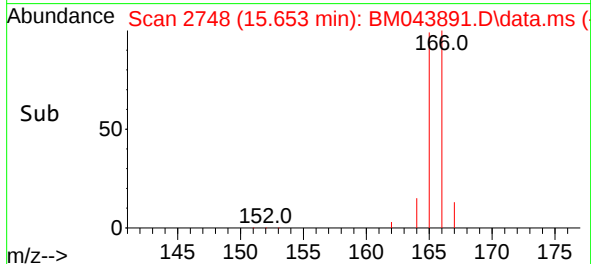
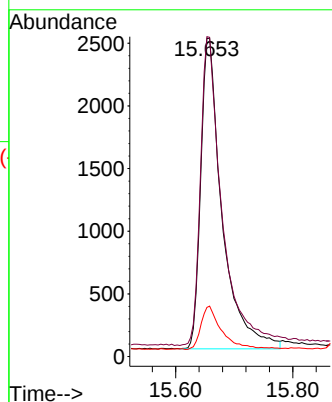
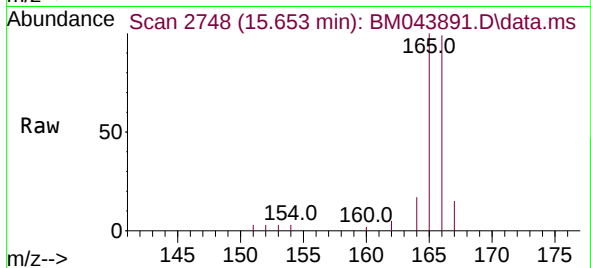
Tgt Ion:166 Resp: 6269

Ion Ratio Lower Upper

166 100

165 100.5 79.2 118.8

167 15.4 11.4 17.2



#14

Pentachlorophenol

Concen: 0.687 ng/ul

RT: 17.027 min Scan# 3066

Delta R.T. -0.067 min

Lab File: BM043891.D

Acq: 22 Jan 2024 19:06

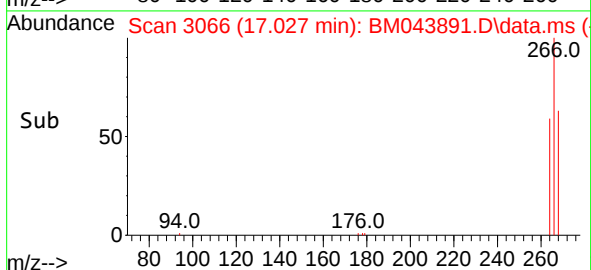
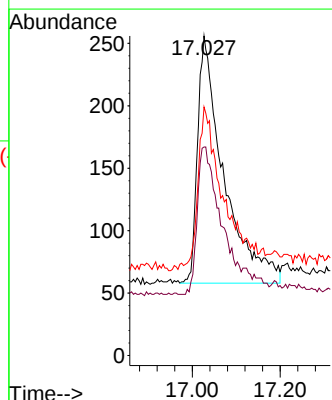
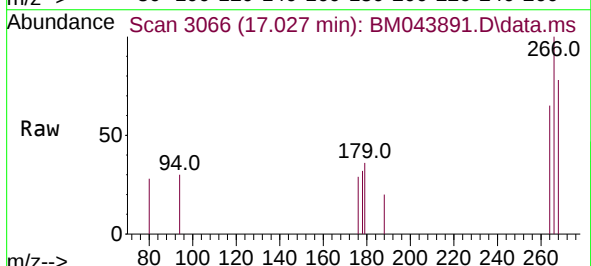
Tgt Ion:266 Resp: 816

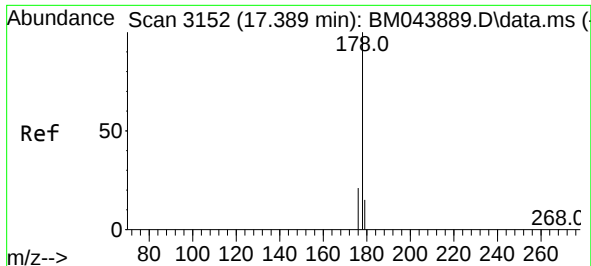
Ion Ratio Lower Upper

266 100

264 59.7 39.8 59.6#

268 59.2 45.6 68.4

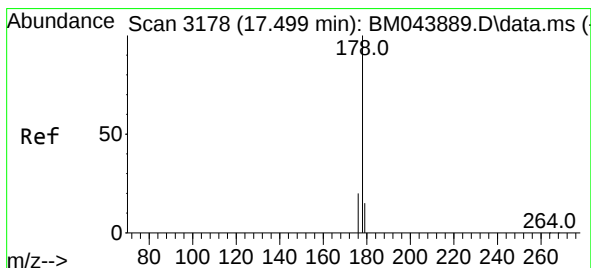
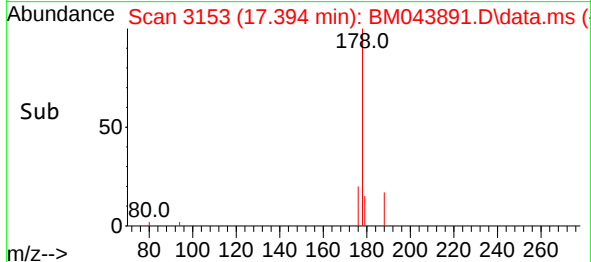
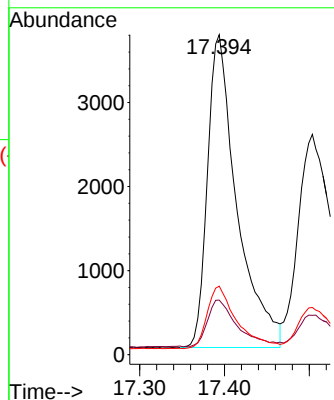
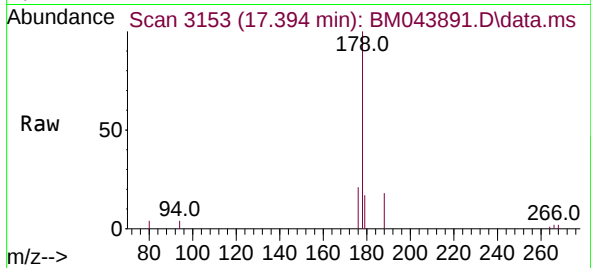




#15
Phenanthrene
Concen: 0.302 ng/ul
RT: 17.394 min Scan# 3152
Delta R.T. 0.000 min
Lab File: BM043891.D
Acq: 22 Jan 2024 19:06

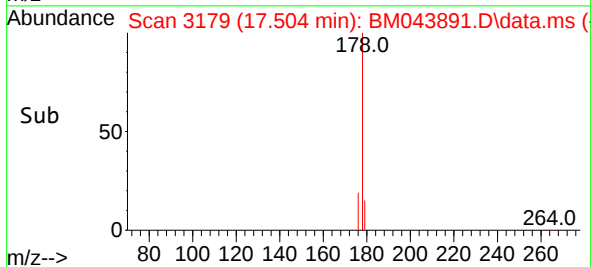
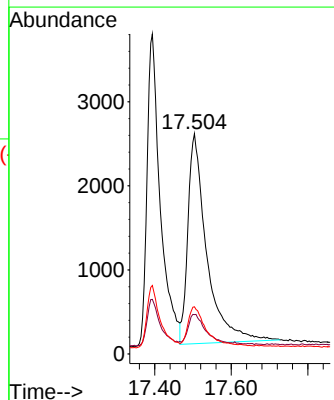
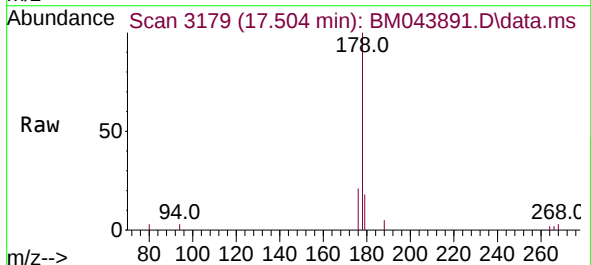
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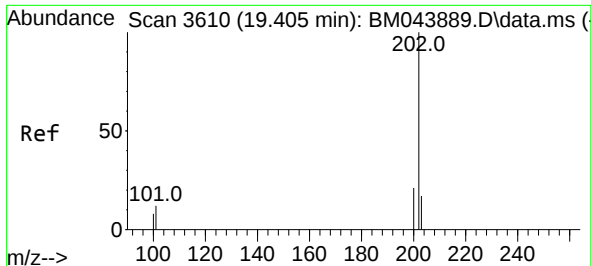
Tgt Ion:178 Resp: 8988
Ion Ratio Lower Upper
178 100
179 17.0 13.0 19.6
176 21.4 16.4 24.6



#16
Anthracene
Concen: 0.308 ng/ul
RT: 17.504 min Scan# 3179
Delta R.T. 0.009 min
Lab File: BM043891.D
Acq: 22 Jan 2024 19:06

Tgt Ion:178 Resp: 8535
Ion Ratio Lower Upper
178 100
179 17.8 13.2 19.8
176 21.4 16.2 24.2

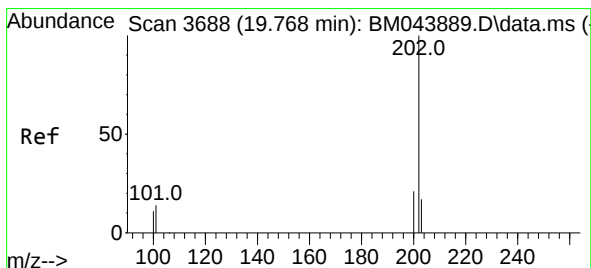
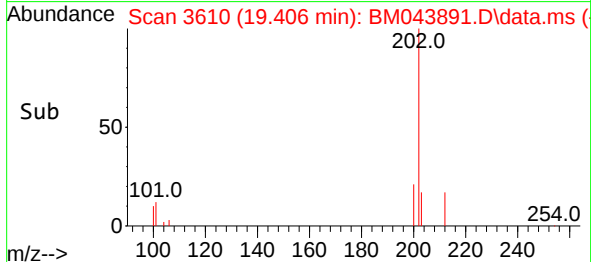
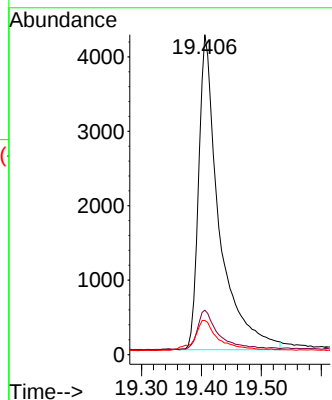
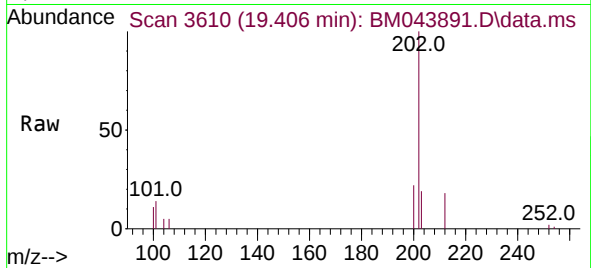




#19
Fluoranthene
Concen: 0.301 ng/ul
RT: 19.406 min Scan# 3610
Delta R.T. 0.005 min
Lab File: BM043891.D
Acq: 22 Jan 2024 19:06

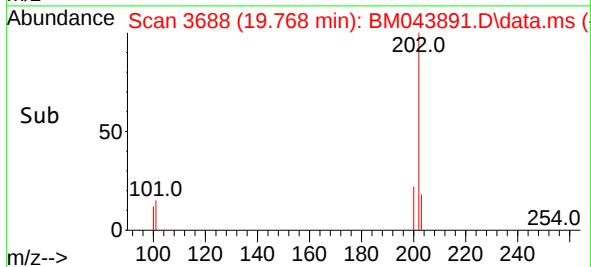
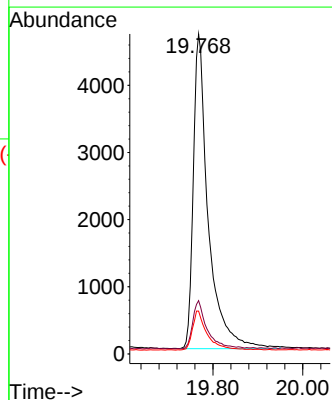
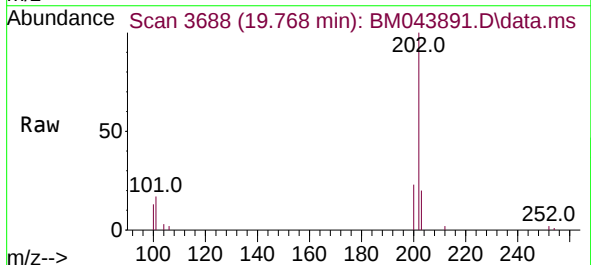
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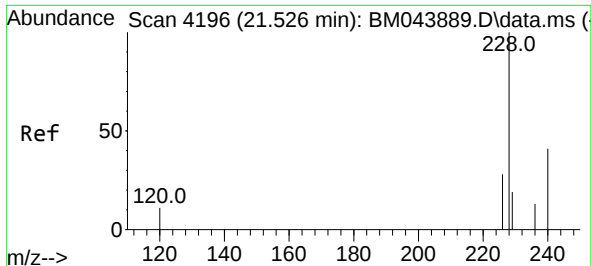
Tgt Ion:202 Resp: 10082
Ion Ratio Lower Upper
202 100
101 13.9 10.1 15.1
100 10.7 8.0 12.0



#20
Pyrene
Concen: 0.308 ng/ul
RT: 19.768 min Scan# 3688
Delta R.T. 0.000 min
Lab File: BM043891.D
Acq: 22 Jan 2024 19:06

Tgt Ion:202 Resp: 10821
Ion Ratio Lower Upper
202 100
101 16.6 11.9 17.9
100 13.4 9.5 14.3

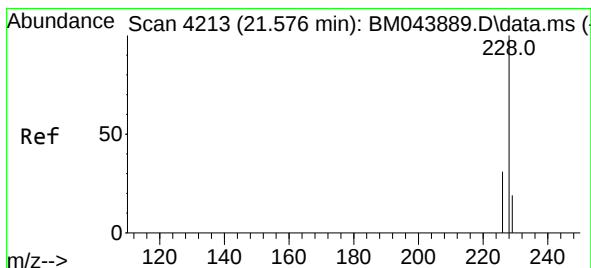
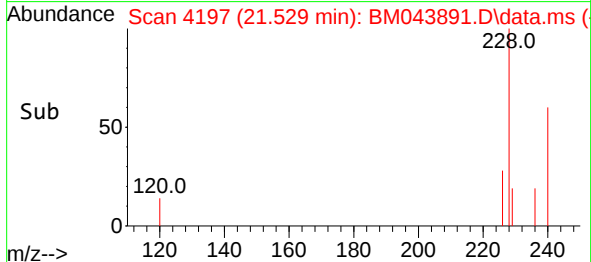
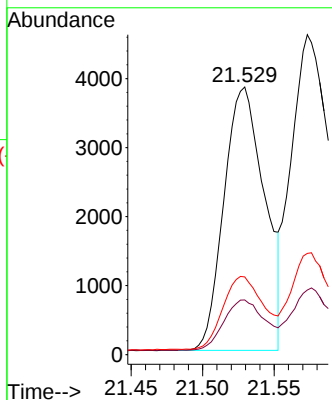
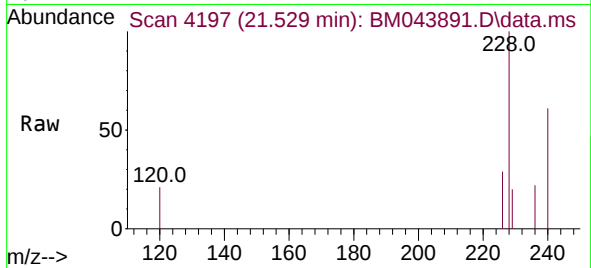




#21
Benzo(a)anthracene
Concen: 0.307 ng/u1
RT: 21.529 min Scan# 4196
Delta R.T. 0.006 min
Lab File: BM043891.D
Acq: 22 Jan 2024 19:06

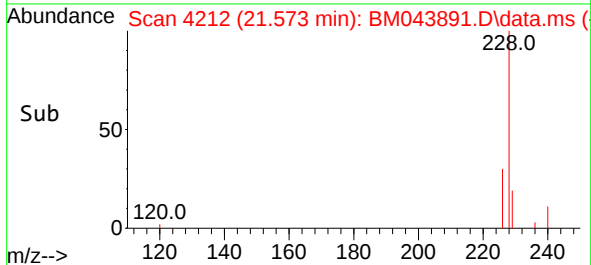
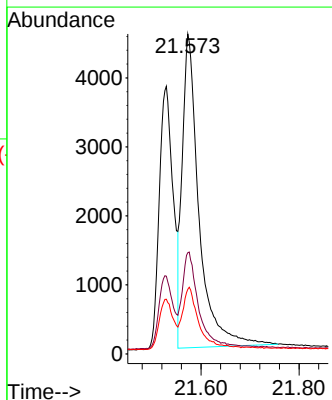
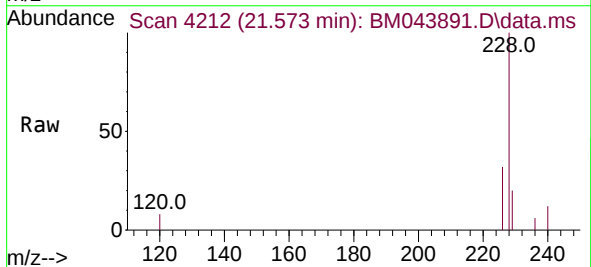
Instrument :
BNA_M
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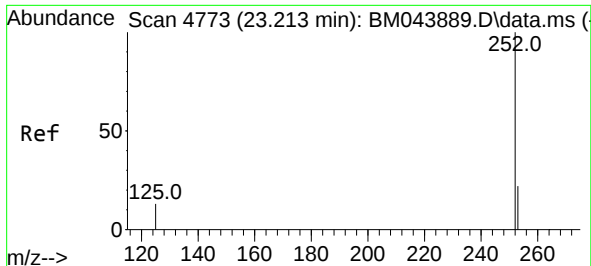
Tgt Ion:228 Resp: 7529
Ion Ratio Lower Upper
228 100
229 20.4 16.5 24.7
226 29.0 23.1 34.7



#22
Chrysene
Concen: 0.329 ng/u1
RT: 21.573 min Scan# 4212
Delta R.T. 0.000 min
Lab File: BM043891.D
Acq: 22 Jan 2024 19:06

Tgt Ion:228 Resp: 10845
Ion Ratio Lower Upper
228 100
226 31.7 26.2 39.2
229 20.2 16.2 24.2

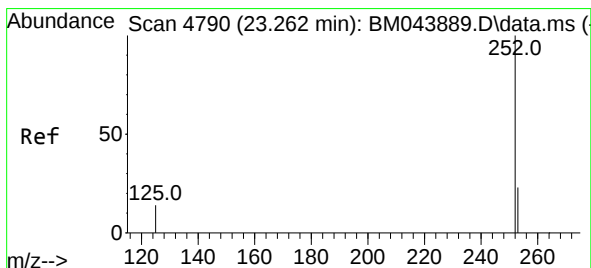
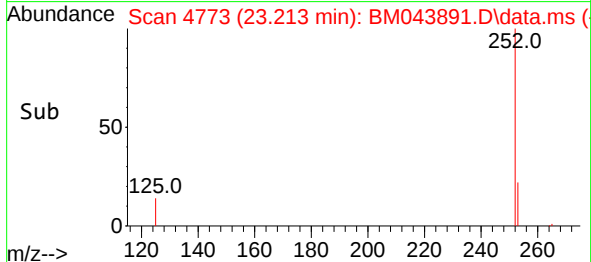
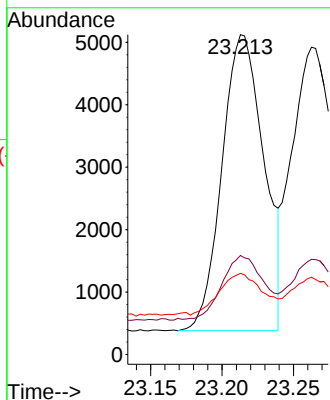
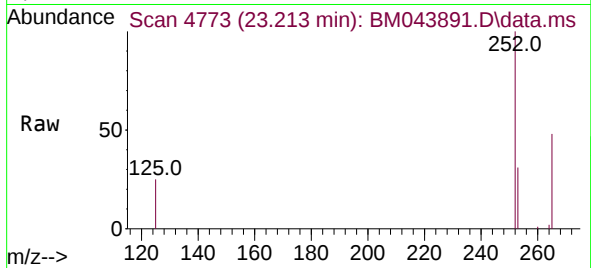




#24
Benzo(b)fluoranthene
Concen: 0.308 ng/ul
RT: 23.213 min Scan# 4773
Delta R.T. -0.003 min
Lab File: BM043891.D
Acq: 22 Jan 2024 19:06

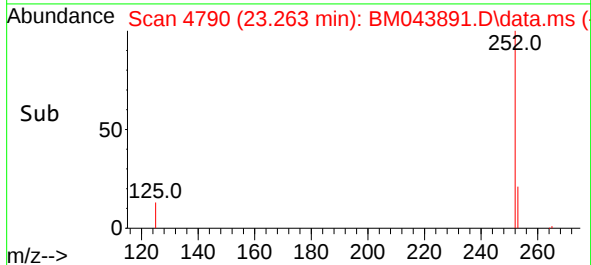
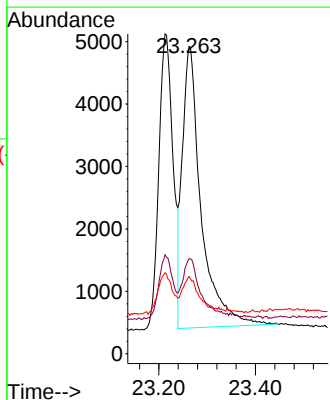
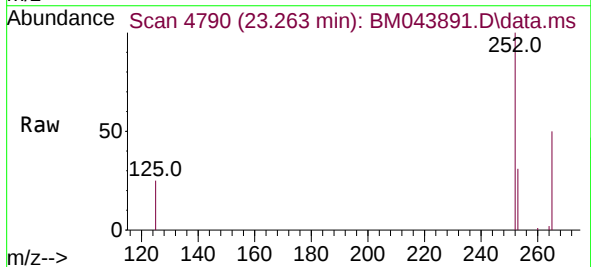
Instrument :
BNA_M
ClientSampleId :
SLCS502

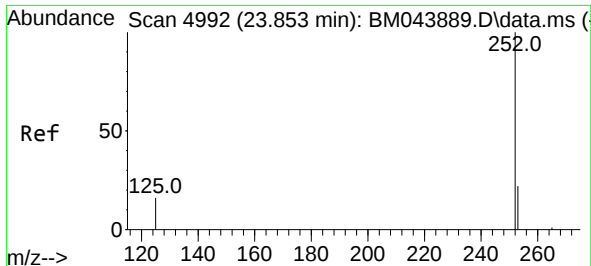
Tgt Ion:252 Resp: 9687
Ion Ratio Lower Upper
252 100
253 31.0 0.0 58.8
125 25.4 0.0 47.2



#25
Benzo(k)fluoranthene
Concen: 0.325 ng/ul
RT: 23.263 min Scan# 4790
Delta R.T. -0.003 min
Lab File: BM043891.D
Acq: 22 Jan 2024 19:06

Tgt Ion:252 Resp: 12242
Ion Ratio Lower Upper
252 100
253 31.0 24.2 36.2
125 25.2 17.9 26.9

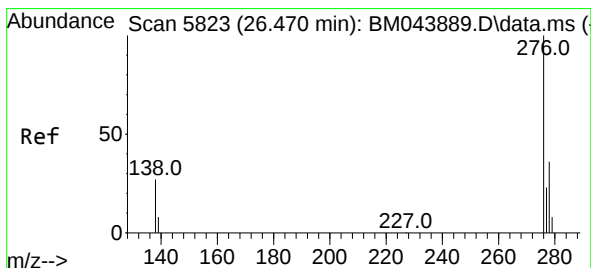
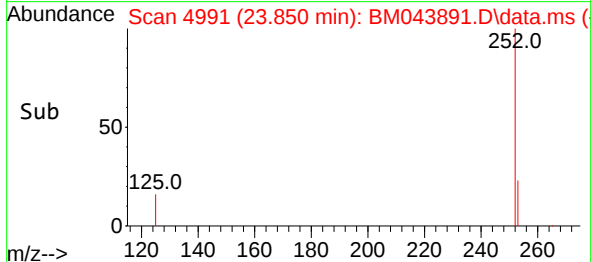
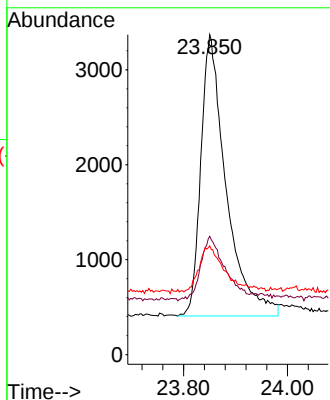
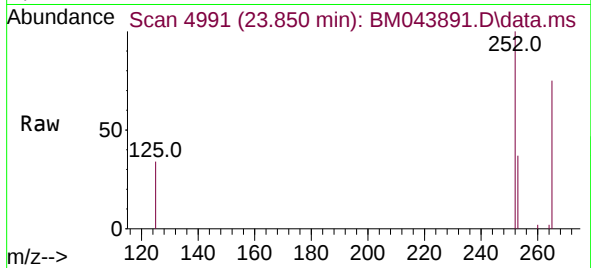




#26
Benzo(a)pyrene
Concen: 0.312 ng/ul
RT: 23.850 min Scan# 4992
Delta R.T. -0.003 min
Lab File: BM043891.D
Acq: 22 Jan 2024 19:06

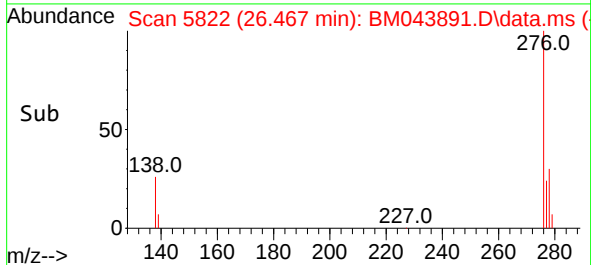
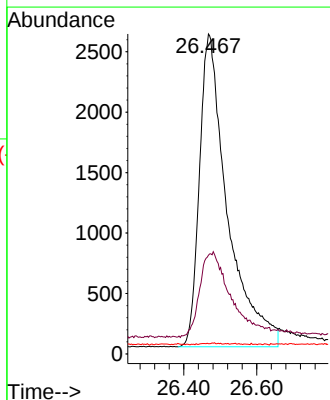
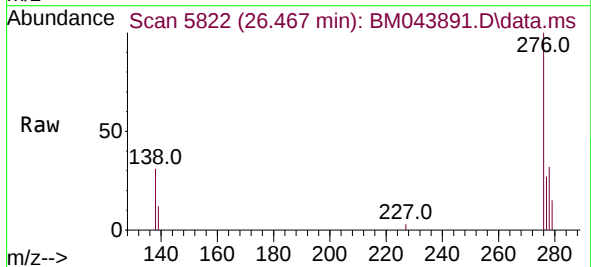
Instrument :
BNA_M
ClientSampleId :
SLCS502

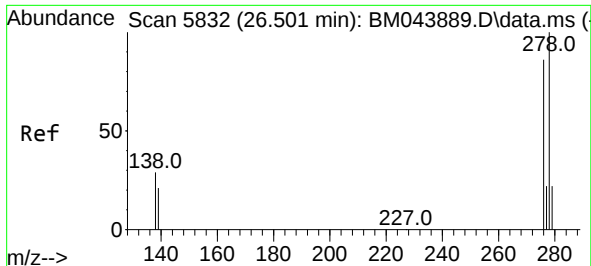
Tgt Ion:252 Resp: 10010
Ion Ratio Lower Upper
252 100
253 37.0 28.6 42.8
125 34.0 26.9 40.3



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.334 ng/ul
RT: 26.467 min Scan# 5822
Delta R.T. -0.010 min
Lab File: BM043891.D
Acq: 22 Jan 2024 19:06

Tgt Ion:276 Resp: 13795
Ion Ratio Lower Upper
276 100
138 0.0 24.6 36.8#
227 0.1 0.1 0.1#

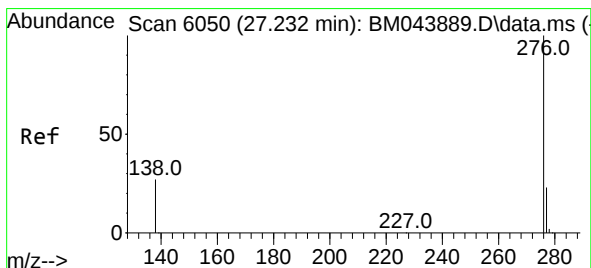
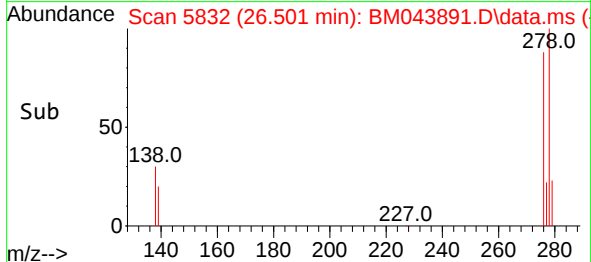
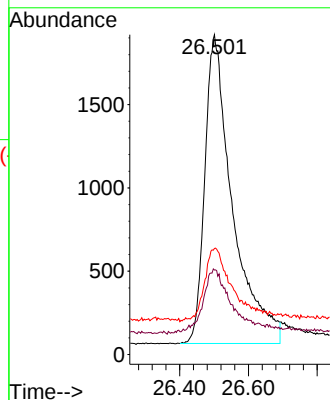
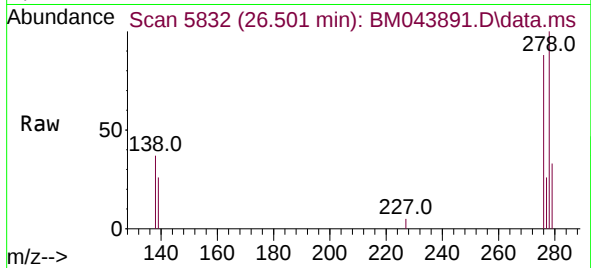




#28
Dibenzo(a,h)anthracene
Concen: 0.329 ng/ul
RT: 26.501 min Scan# 5832
Delta R.T. -0.010 min
Lab File: BM043891.D
Acq: 22 Jan 2024 19:06

Instrument :
BNA_M
ClientSampleId :
SLCS502

Tgt Ion:278 Resp: 10388
Ion Ratio Lower Upper
278 100
139 26.4 21.1 31.7
279 33.2 25.8 38.6



#29
Benzo(g,h,i)perylene
Concen: 0.340 ng/ul
RT: 27.235 min Scan# 6051
Delta R.T. -0.010 min
Lab File: BM043891.D
Acq: 22 Jan 2024 19:06

Tgt Ion:276 Resp: 12548
Ion Ratio Lower Upper
276 100
138 31.6 24.0 36.0
277 26.0 20.6 31.0

