

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022124\
 Data File : BM044247.D
 Acq On : 22 Feb 2024 19:22
 Operator : MA/JU
 Sample : PB159095BS
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS095

Quant Time: Feb 22 23:35:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 15 13:40:24 2024
 Response via : Initial Calibration

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

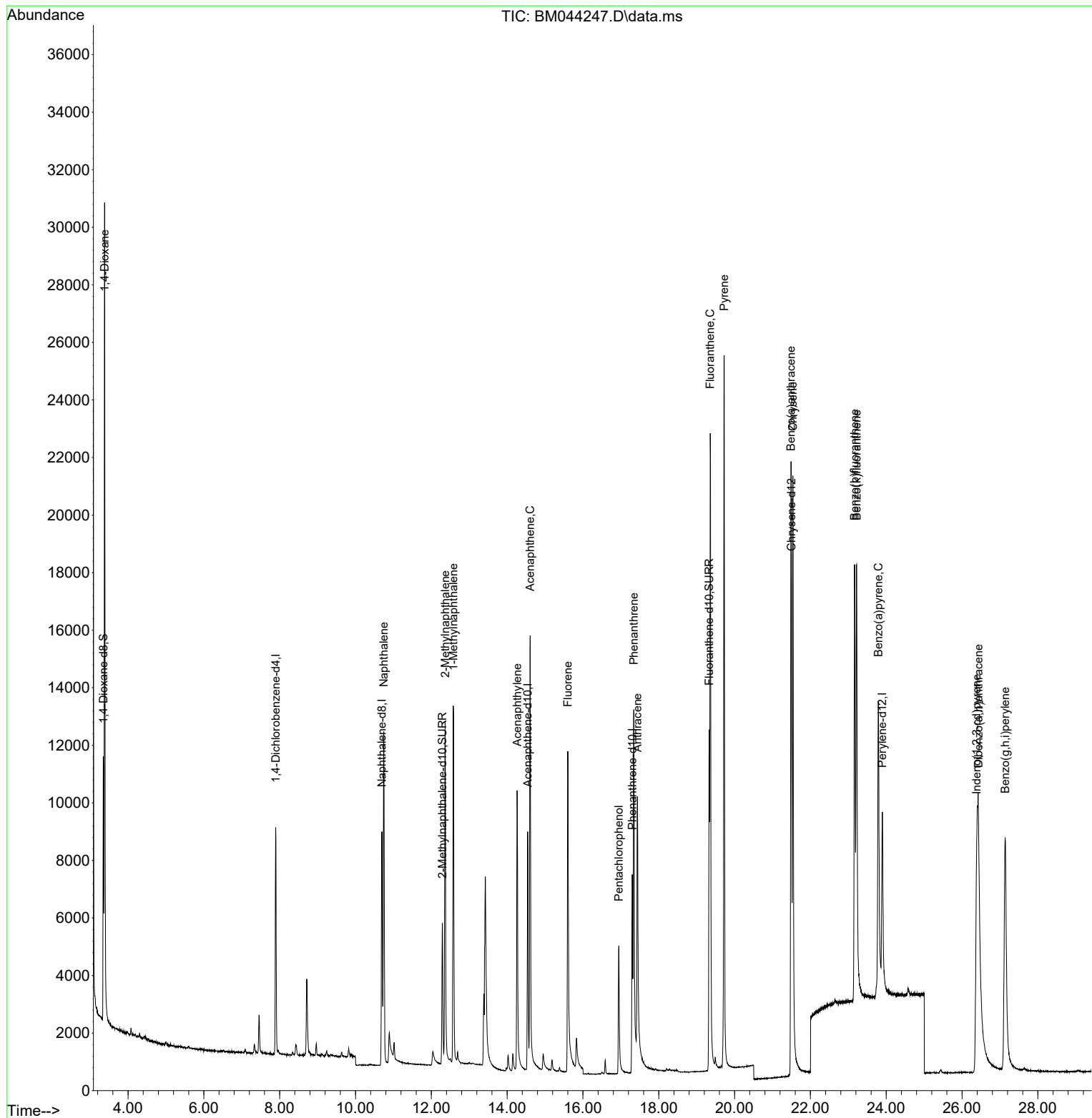
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.896	152	4177	0.400	ng/ul	0.00
4) Naphthalene-d8	10.699	136	12076	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.543	164	5183	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.301	188	10723	0.400	ng/ul	0.00
17) Chrysene-d12	21.500	240	9268	0.400	ng/ul	0.00
23) Perylene-d12	23.897	264	10540	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.352	96	5427	0.917	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.294	152	7542	0.446	ng/ul	0.00
18) Fluoranthene-d10	19.331	212	14378	0.520	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.382	88	17203	2.910	ng/ul#	73
5) Naphthalene	10.748	128	17220	0.480	ng/ul	99
7) 2-Methylnaphthalene	12.365	142	9919	0.448	ng/ul	98
8) 1-Methylnaphthalene	12.585	142	9724	0.434	ng/ul	99
10) Acenaphthylene	14.265	152	14334	0.503	ng/ul	99
11) Acenaphthene	14.607	153	10136	0.491	ng/ul	98
12) Fluorene	15.602	166	10554	0.453	ng/ul	99
14) Pentachlorophenol	16.946	266	4030	1.050	ng/ul	98
15) Phenanthrene	17.343	178	16878	0.497	ng/ul	99
16) Anthracene	17.436	178	17551	0.522	ng/ul	99
19) Fluoranthene	19.359	202	21903	0.518	ng/ul	97
20) Pyrene	19.726	202	23218	0.523	ng/ul	100
21) Benzo(a)anthracene	21.485	228	19513	0.460	ng/ul	99
22) Chrysene	21.538	228	24406	0.533	ng/ul	99
24) Benzo(b)fluoranthene	23.166	252	21897	0.503	ng/ul	98
25) Benzo(k)fluoranthene	23.218	252	26033	0.551	ng/ul	99
26) Benzo(a)pyrene	23.791	252	20826	0.515	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	26.386	276	25284	0.491	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.433	278	19636	0.484	ng/ul	97
29) Benzo(g,h,i)perylene	27.138	276	23000	0.505	ng/ul	98

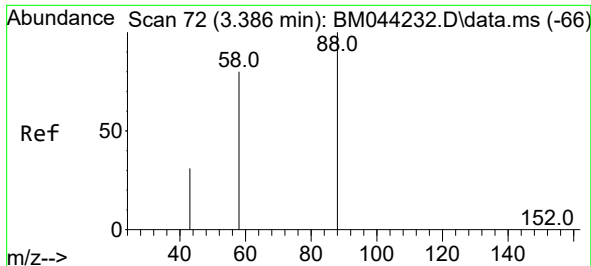
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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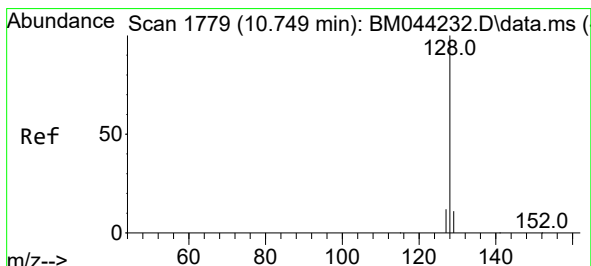
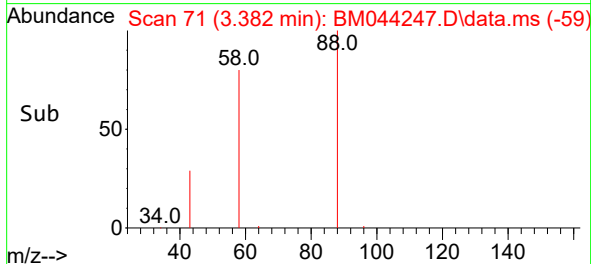
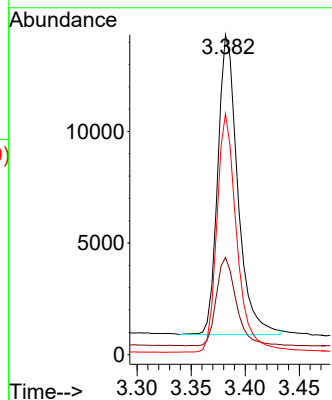
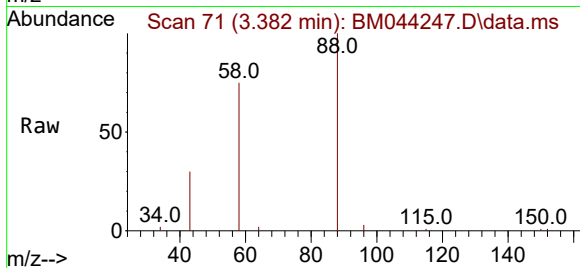




#2
1,4-Dioxane
Concen: 2.910 ng/ul
RT: 3.382 min Scan# 71
Delta R.T. -0.008 min
Lab File: BM044247.D
Acq: 22 Feb 2024 19:22

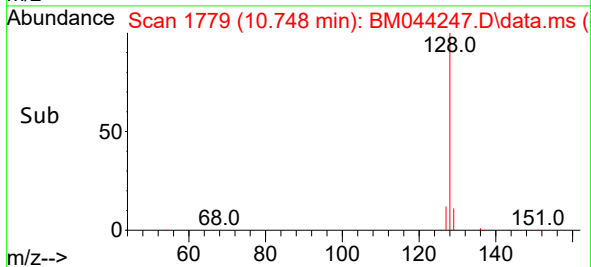
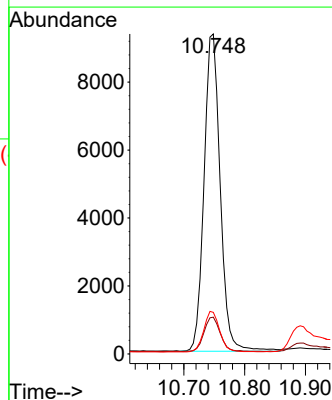
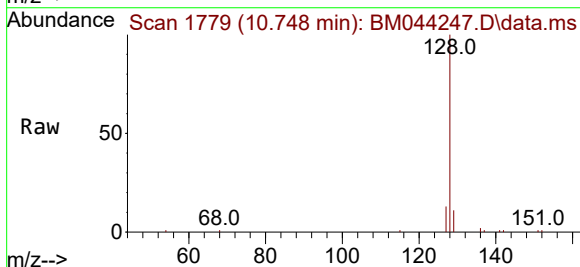
Instrument :
BNA_M
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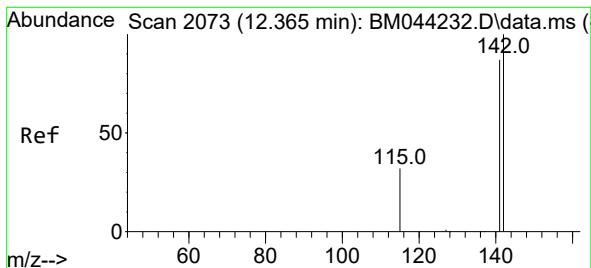
Tgt Ion: 88 Resp: 17203
Ion Ratio Lower Upper
88 100
43 30.4 32.2 48.2#
58 75.3 40.6 60.8#



#5
Naphthalene
Concen: 0.480 ng/ul
RT: 10.748 min Scan# 1779
Delta R.T. -0.005 min
Lab File: BM044247.D
Acq: 22 Feb 2024 19:22

Tgt Ion: 128 Resp: 17220
Ion Ratio Lower Upper
128 100
129 11.5 9.5 14.3
127 13.0 10.7 16.1

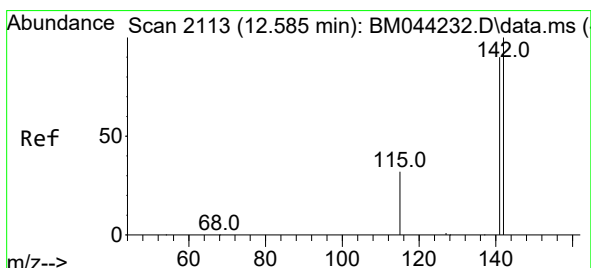
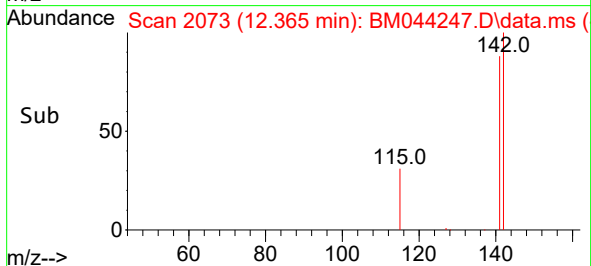
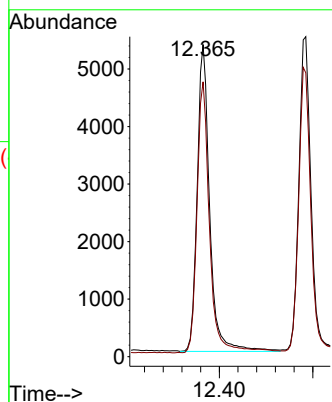
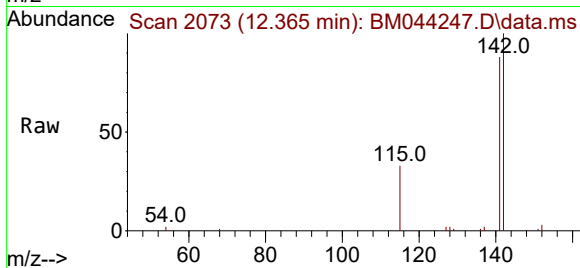




#7
2-Methylnaphthalene
Concen: 0.448 ng/ul
RT: 12.365 min Scan# 2073
Delta R.T. -0.005 min
Lab File: BM044247.D
Acq: 22 Feb 2024 19:22

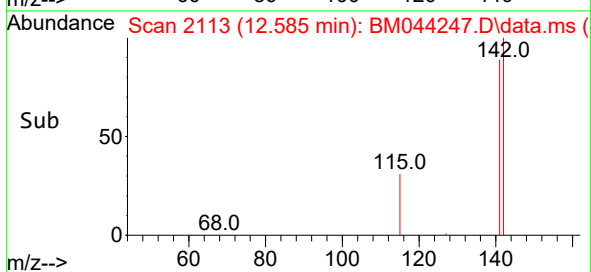
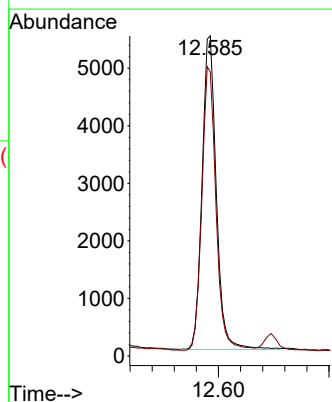
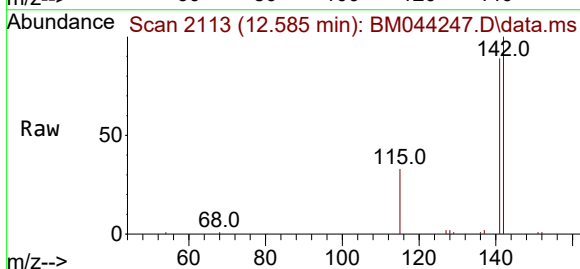
Instrument :
BNA_M
ClientSampleId :
SLCS095

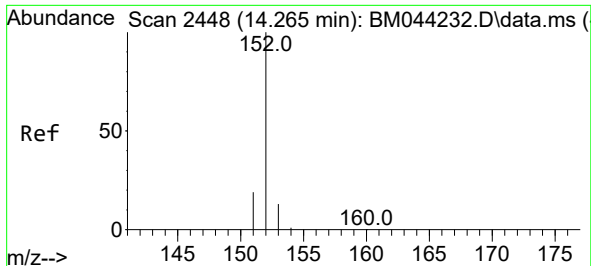
Tgt Ion:142 Resp: 9919
Ion Ratio Lower Upper
142 100
141 89.4 70.0 105.0



#8
1-Methylnaphthalene
Concen: 0.434 ng/ul
RT: 12.585 min Scan# 2113
Delta R.T. -0.005 min
Lab File: BM044247.D
Acq: 22 Feb 2024 19:22

Tgt Ion:142 Resp: 9724
Ion Ratio Lower Upper
142 100
141 90.0 72.5 108.7

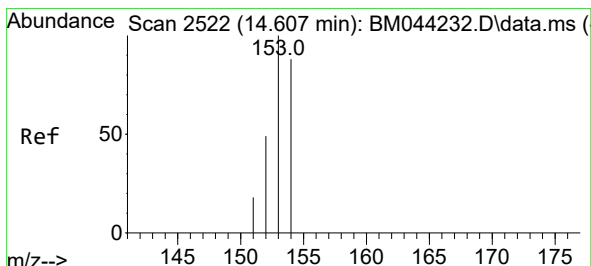
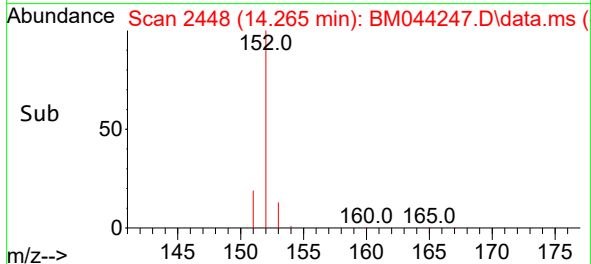
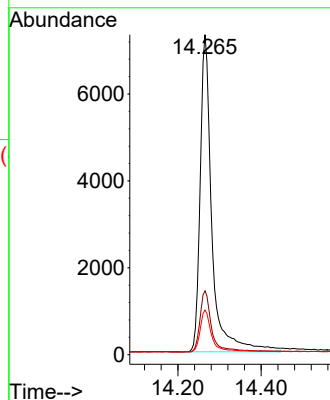
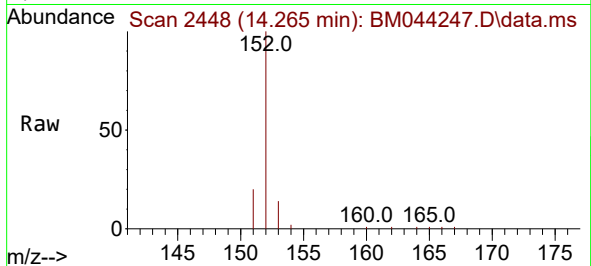




#10
Acenaphthylene
Concen: 0.503 ng/ul
RT: 14.265 min Scan# 2448
Delta R.T. -0.005 min
Lab File: BM044247.D
Acq: 22 Feb 2024 19:22

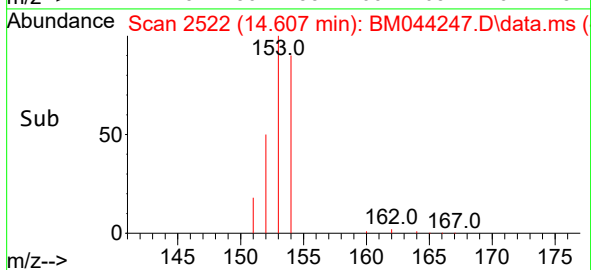
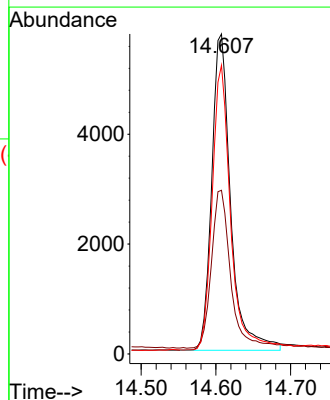
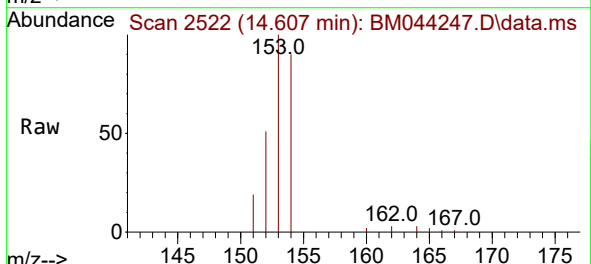
Instrument :
BNA_M
ClientSampleId :
SLCS095

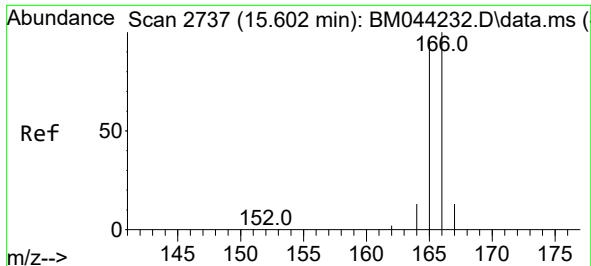
Tgt Ion:152 Resp: 14334
Ion Ratio Lower Upper
152 100
151 19.9 15.5 23.3
153 14.0 10.8 16.2



#11
Acenaphthene
Concen: 0.491 ng/ul
RT: 14.607 min Scan# 2522
Delta R.T. 0.000 min
Lab File: BM044247.D
Acq: 22 Feb 2024 19:22

Tgt Ion:153 Resp: 10136
Ion Ratio Lower Upper
153 100
152 51.2 40.6 61.0
154 90.2 70.1 105.1

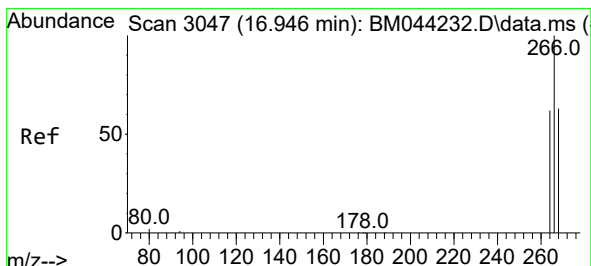
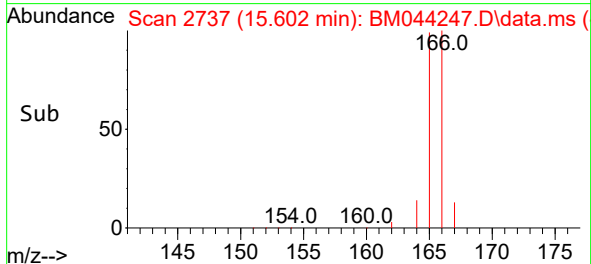
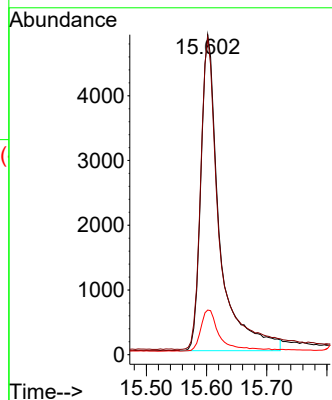
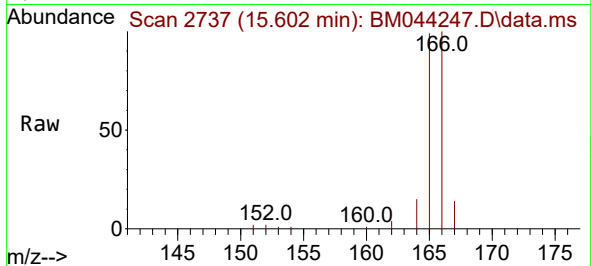




#12
 Fluorene
 Concen: 0.453 ng/ul
 RT: 15.602 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: BM044247.D
 Acq: 22 Feb 2024 19:22

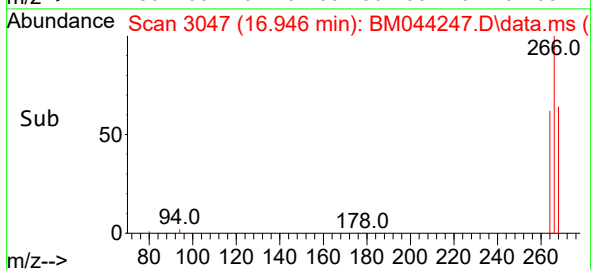
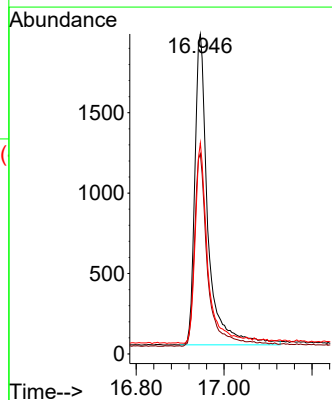
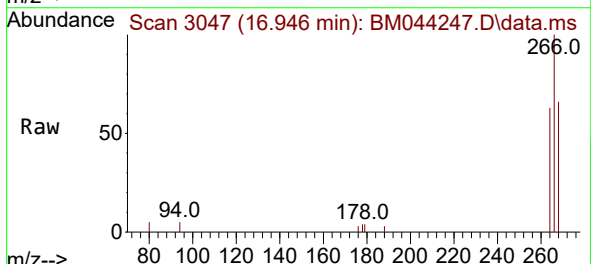
Instrument :
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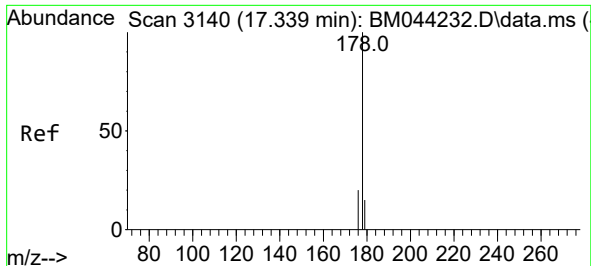
Tgt Ion:	166	Resp:	10554
Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.8	119.6
167	14.0	11.1	16.7



#14
 Pentachlorophenol
 Concen: 1.050 ng/ul
 RT: 16.946 min Scan# 3047
 Delta R.T. 0.000 min
 Lab File: BM044247.D
 Acq: 22 Feb 2024 19:22

Tgt Ion:	266	Resp:	4030
Ion	Ratio	Lower	Upper
266	100		
264	62.7	49.4	74.0
268	62.8	52.1	78.1

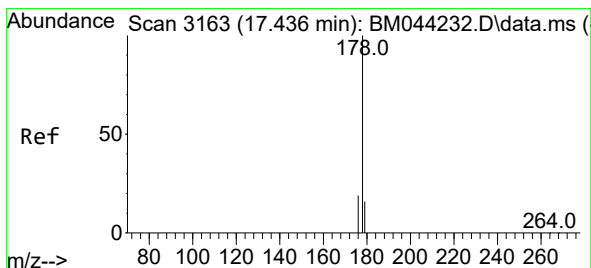
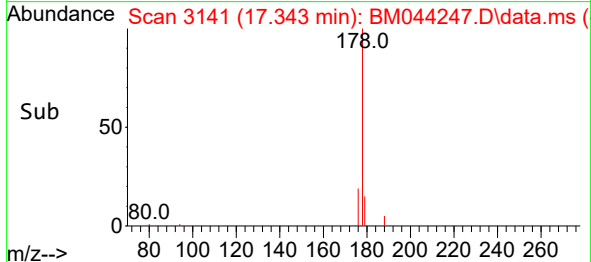
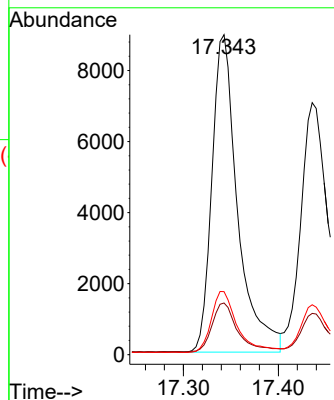
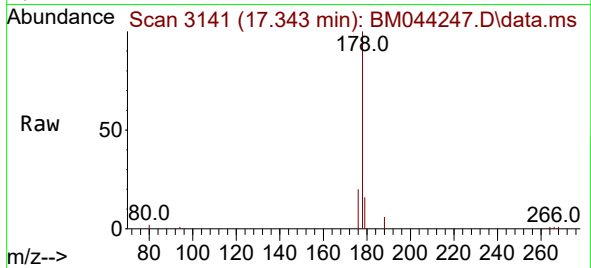




#15
Phenanthrene
Concen: 0.497 ng/ul
RT: 17.343 min Scan# 3141
Delta R.T. 0.004 min
Lab File: BM044247.D
Acq: 22 Feb 2024 19:22

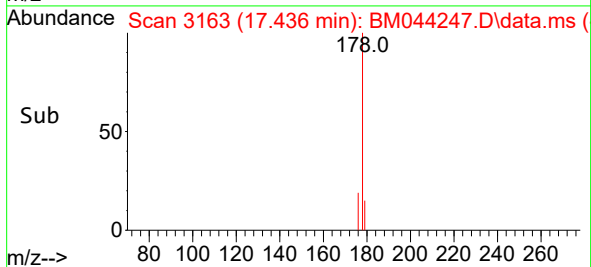
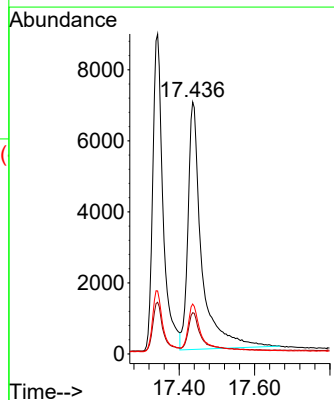
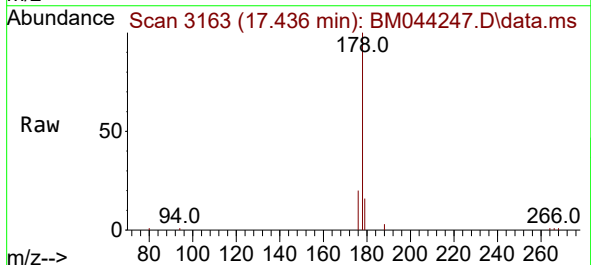
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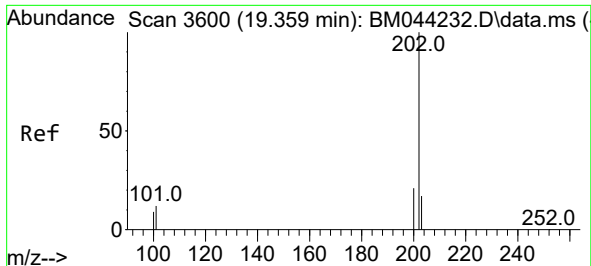
Tgt Ion:178 Resp: 16878
Ion Ratio Lower Upper
178 100
179 16.2 12.6 19.0
176 19.7 16.0 24.0



#16
Anthracene
Concen: 0.522 ng/ul
RT: 17.436 min Scan# 3163
Delta R.T. 0.000 min
Lab File: BM044247.D
Acq: 22 Feb 2024 19:22

Tgt Ion:178 Resp: 17551
Ion Ratio Lower Upper
178 100
179 16.4 12.8 19.2
176 19.8 15.3 22.9

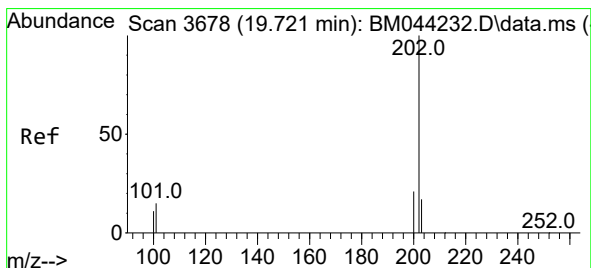
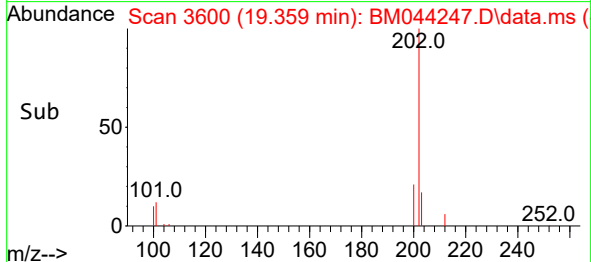
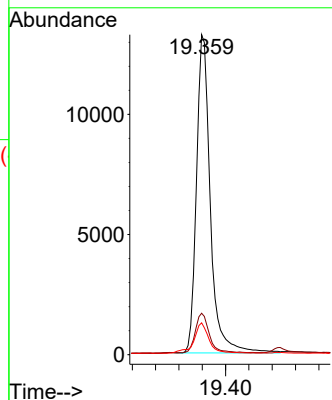
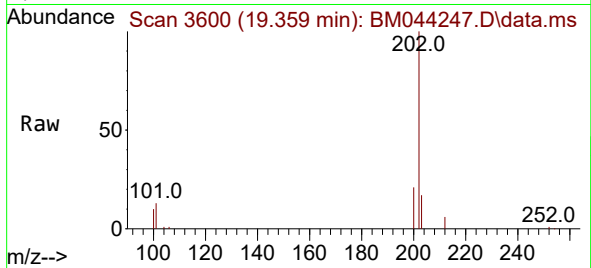




#19
Fluoranthene
Concen: 0.518 ng/ul
RT: 19.359 min Scan# 3600
Delta R.T. -0.005 min
Lab File: BM044247.D
Acq: 22 Feb 2024 19:22

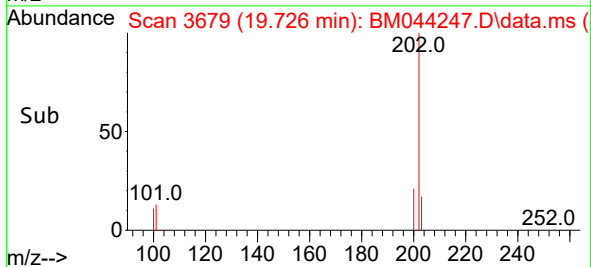
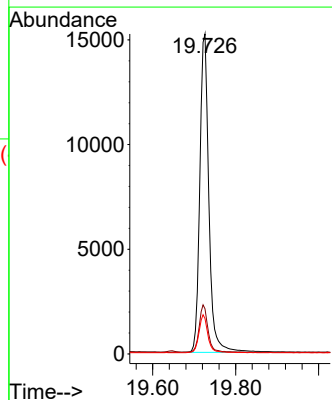
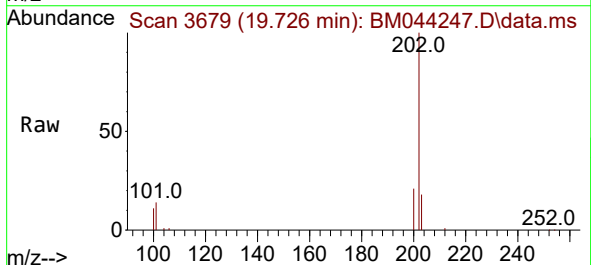
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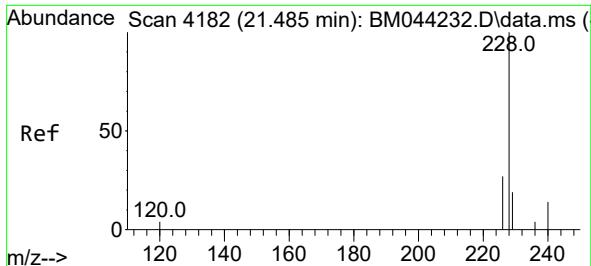
Tgt Ion:202 Resp: 21903
Ion Ratio Lower Upper
202 100
101 12.9 9.8 14.6
100 9.9 7.0 10.4



#20
Pyrene
Concen: 0.523 ng/ul
RT: 19.726 min Scan# 3679
Delta R.T. 0.000 min
Lab File: BM044247.D
Acq: 22 Feb 2024 19:22

Tgt Ion:202 Resp: 23218
Ion Ratio Lower Upper
202 100
101 14.1 11.2 16.8
100 11.0 8.6 13.0

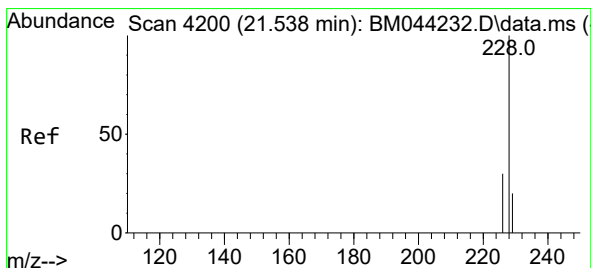
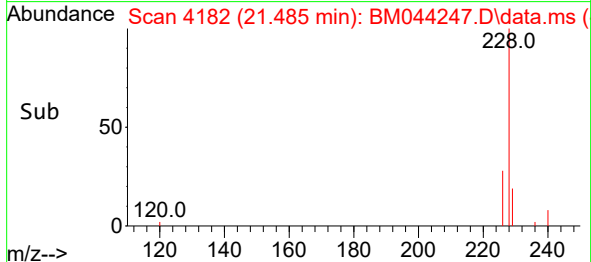
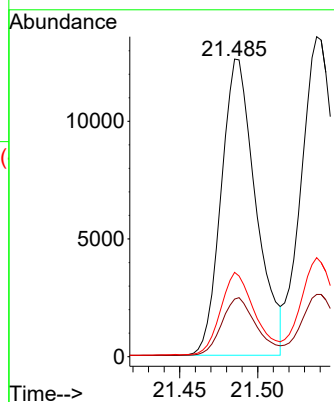
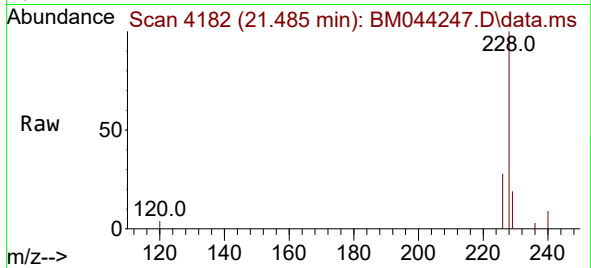




#21
Benzo(a)anthracene
Concen: 0.460 ng/ul
RT: 21.485 min Scan# 4182
Delta R.T. 0.000 min
Lab File: BM044247.D
Acq: 22 Feb 2024 19:22

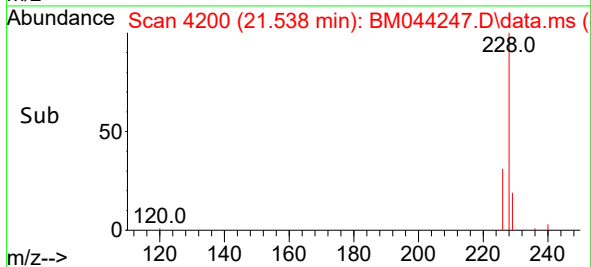
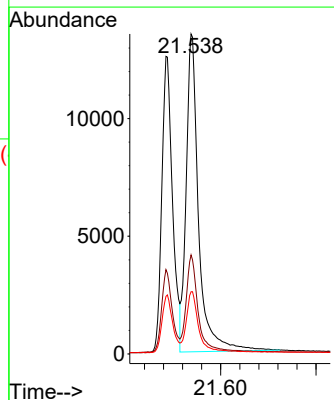
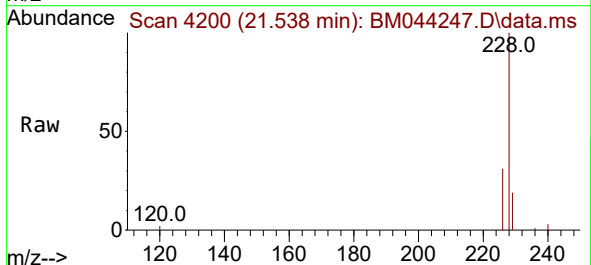
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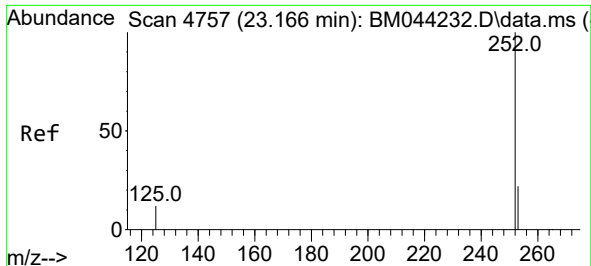
Tgt Ion:228 Resp: 19513
Ion Ratio Lower Upper
228 100
229 19.3 15.4 23.2
226 28.3 22.1 33.1



#22
Chrysene
Concen: 0.533 ng/ul
RT: 21.538 min Scan# 4200
Delta R.T. 0.000 min
Lab File: BM044247.D
Acq: 22 Feb 2024 19:22

Tgt Ion:228 Resp: 24406
Ion Ratio Lower Upper
228 100
226 31.0 24.2 36.2
229 19.5 15.8 23.6

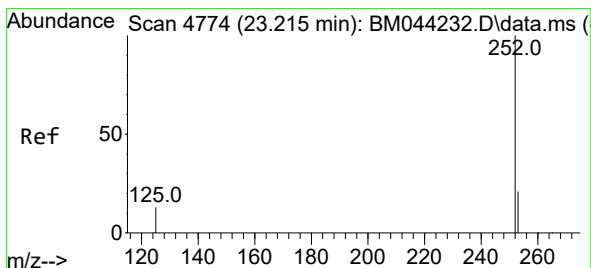
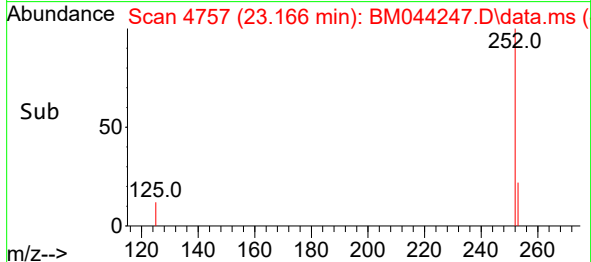
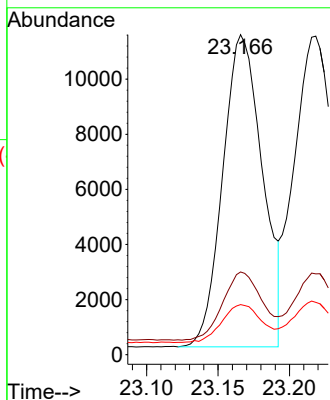
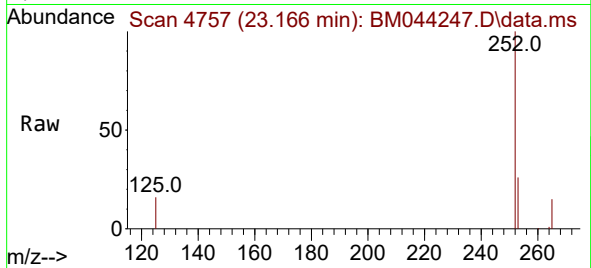




#24
Benzo(b)fluoranthene
Concen: 0.503 ng/ul
RT: 23.166 min Scan# 4757
Delta R.T. 0.003 min
Lab File: BM044247.D
Acq: 22 Feb 2024 19:22

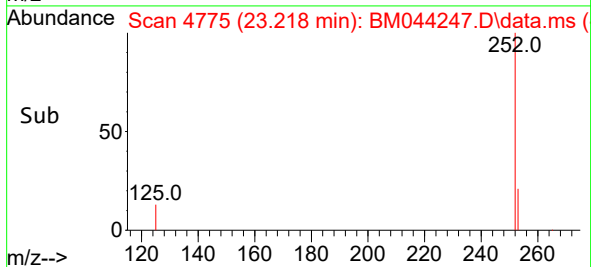
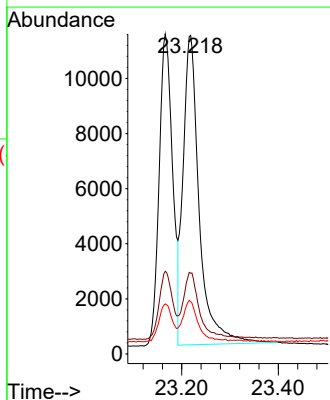
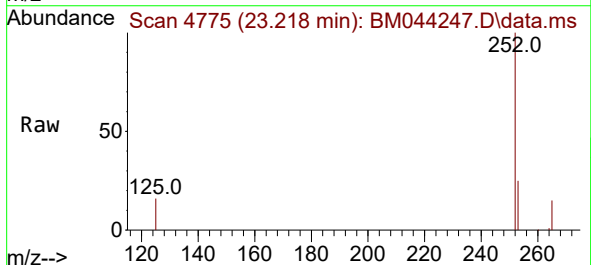
Instrument :
BNA_M
ClientSampleId :
SLCS095

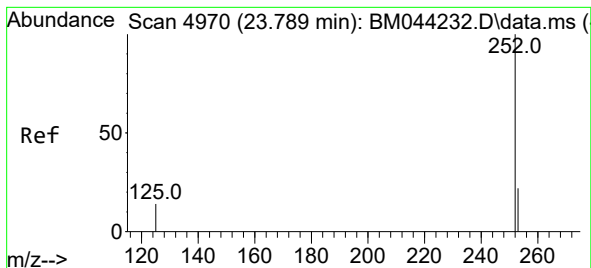
Tgt Ion:252 Resp: 21897
Ion Ratio Lower Upper
252 100
253 25.9 0.0 50.0
125 15.7 0.0 28.2



#25
Benzo(k)fluoranthene
Concen: 0.551 ng/ul
RT: 23.218 min Scan# 4775
Delta R.T. 0.006 min
Lab File: BM044247.D
Acq: 22 Feb 2024 19:22

Tgt Ion:252 Resp: 26033
Ion Ratio Lower Upper
252 100
253 25.4 20.1 30.1
125 16.4 12.3 18.5





#26

Benzo(a)pyrene

Concen: 0.515 ng/ul

RT: 23.791 min Scan# 4970

Delta R.T. 0.006 min

Lab File: BM044247.D

Acq: 22 Feb 2024 19:22

Instrument :

BNA_M

ClientSampleId :

SLCS095

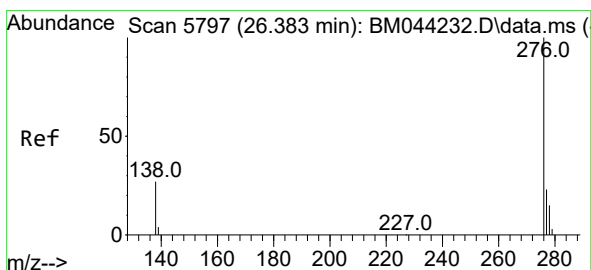
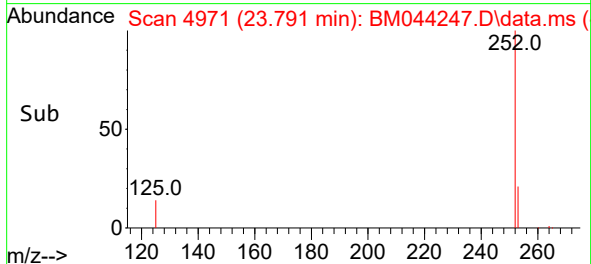
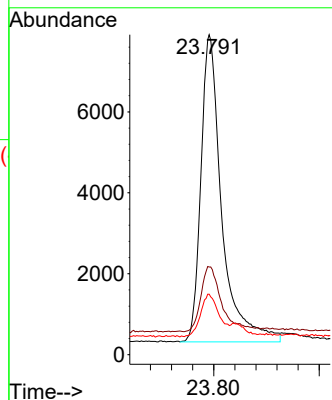
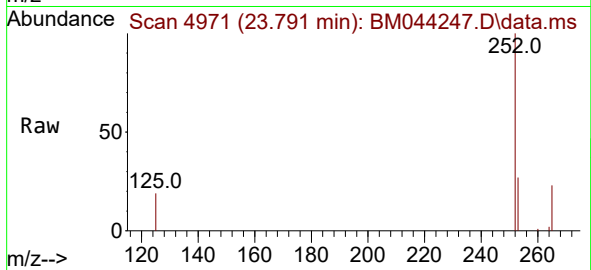
Tgt Ion:252 Resp: 20826

Ion Ratio Lower Upper

252 100

253 27.4 21.4 32.2

125 18.9 13.3 19.9



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.491 ng/ul

RT: 26.386 min Scan# 5798

Delta R.T. 0.017 min

Lab File: BM044247.D

Acq: 22 Feb 2024 19:22

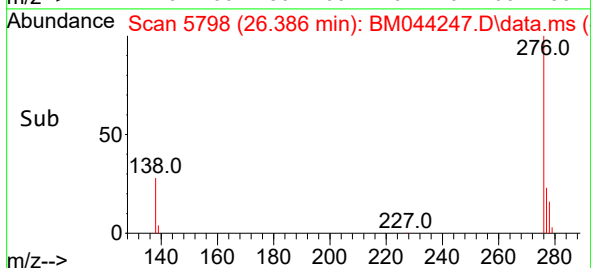
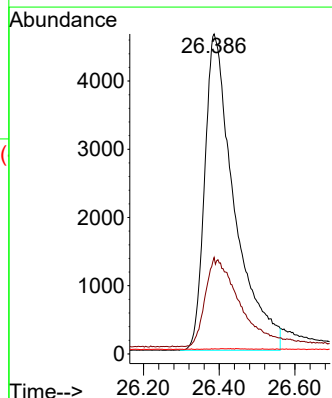
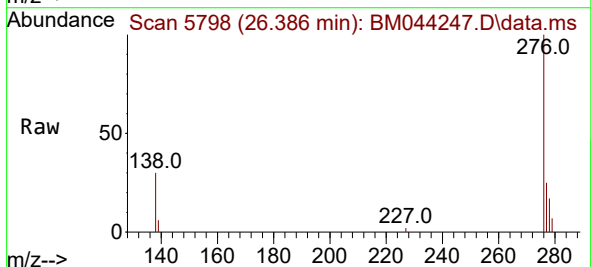
Tgt Ion:276 Resp: 25284

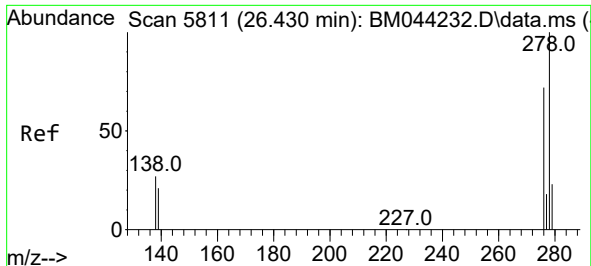
Ion Ratio Lower Upper

276 100

138 31.8 25.2 37.8

227 0.0 0.1 0.1#

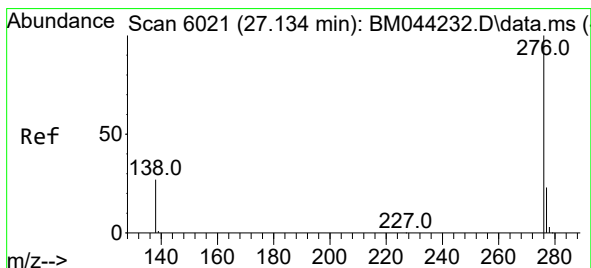
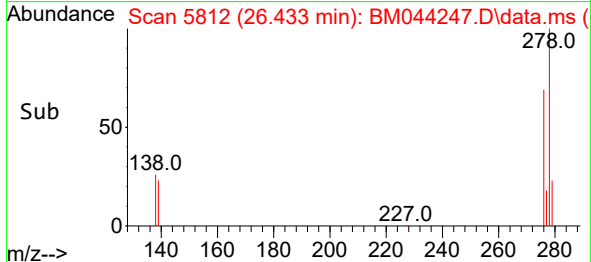
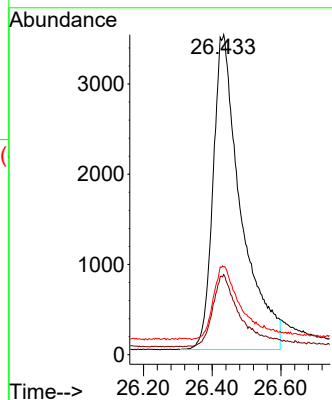
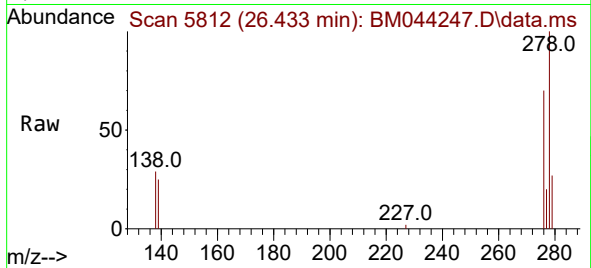




#28
Dibenzo(a,h)anthracene
Concen: 0.484 ng/ul
RT: 26.433 min Scan# 5811
Delta R.T. 0.024 min
Lab File: BM044247.D
Acq: 22 Feb 2024 19:22

Instrument :
BNA_M
ClientSampleId :
SLCS095

Tgt Ion:278 Resp: 19636
Ion Ratio Lower Upper
278 100
139 25.0 17.8 26.8
279 27.5 21.8 32.8



#29
Benzo(g,h,i)perylene
Concen: 0.505 ng/ul
RT: 27.138 min Scan# 6022
Delta R.T. 0.010 min
Lab File: BM044247.D
Acq: 22 Feb 2024 19:22

Tgt Ion:276 Resp: 23000
Ion Ratio Lower Upper
276 100
138 29.6 22.7 34.1
277 24.8 19.0 28.6

