

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020124\
 Data File : BM043953.D
 Acq On : 01 Feb 2024 18:50
 Operator : MA/JU
 Sample : PB158633BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS633

Quant Time: Feb 01 23:54:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 22:50:05 2024
 Response via : Initial Calibration

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

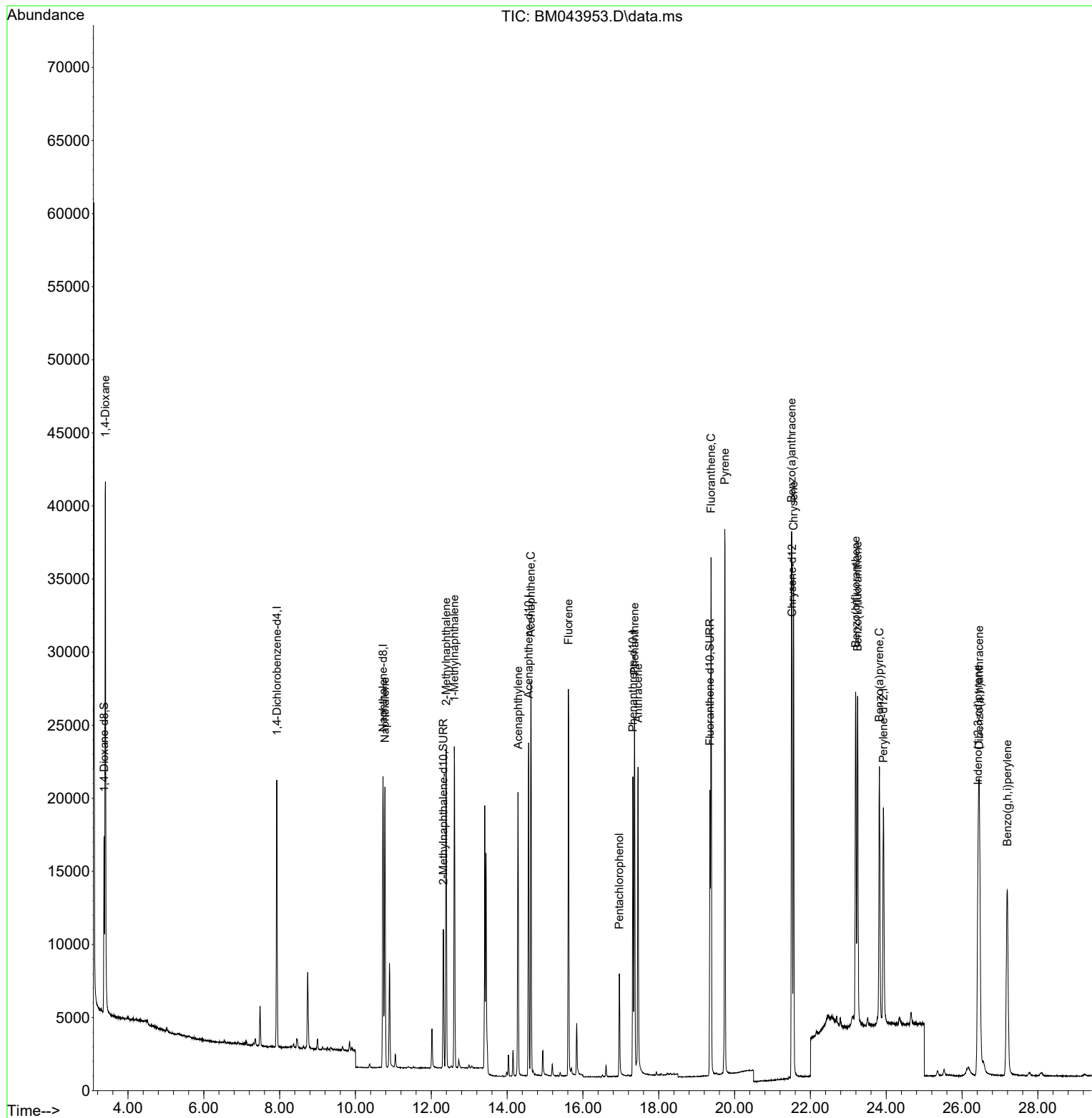
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.926	152	9214	0.400	ng/ul	0.00
4) Naphthalene-d8	10.726	136	26617	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.567	164	12326	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.318	188	24945	0.400	ng/ul	0.00
17) Chrysene-d12	21.517	240	18928	0.400	ng/ul	0.00
23) Perylene-d12	23.925	264	21894	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	7762	0.655	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.316	152	12446	0.357	ng/ul	0.00
18) Fluoranthene-d10	19.350	212	21556	0.363	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.403	88	23529	1.892	ng/ul#	86
5) Naphthalene	10.776	128	26329	0.345	ng/ul	99
7) 2-Methylnaphthalene	12.393	142	15749	0.346	ng/ul	99
8) 1-Methylnaphthalene	12.607	142	15190	0.337	ng/ul	100
10) Acenaphthylene	14.289	152	22746	0.340	ng/ul	99
11) Acenaphthene	14.627	153	15764	0.340	ng/ul	99
12) Fluorene	15.617	166	17123	0.337	ng/ul	100
14) Pentachlorophenol	16.960	266	5201	0.881	ng/ul	96
15) Phenanthrene	17.361	178	26434	0.348	ng/ul	99
16) Anthracene	17.453	178	25511	0.354	ng/ul	99
19) Fluoranthene	19.378	202	30455	0.349	ng/ul	97
20) Pyrene	19.741	202	31421	0.350	ng/ul	98
21) Benzo(a)anthracene	21.502	228	28907	0.366	ng/ul	100
22) Chrysene	21.554	228	30381	0.367	ng/ul	99
24) Benzo(b)fluoranthene	23.194	252	30722	0.367	ng/ul	98
25) Benzo(k)fluoranthene	23.244	252	32180	0.369	ng/ul	97
26) Benzo(a)pyrene	23.817	252	28370	0.372	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	26.423	276	35792	0.365	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.456	278	28518	0.364	ng/ul	100
29) Benzo(g,h,i)perylene	27.194	276	30131	0.355	ng/ul	99

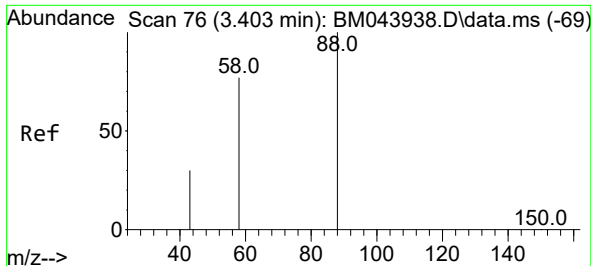
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

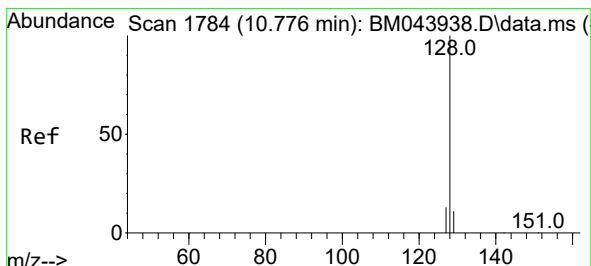
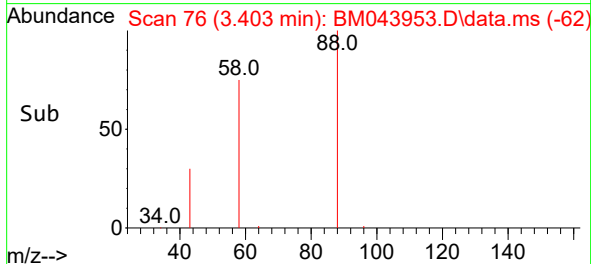
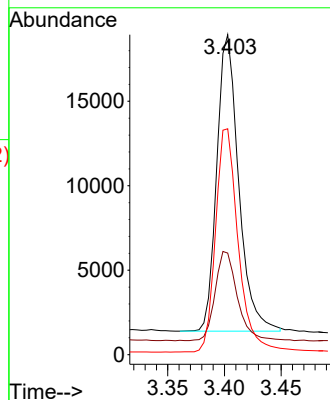
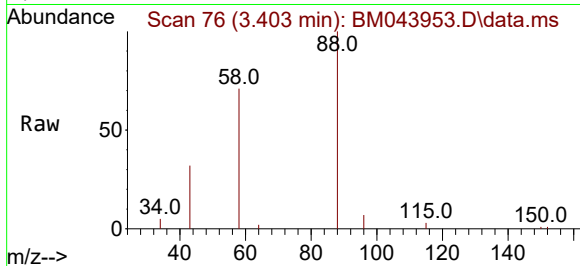




#2
1,4-Dioxane
Concen: 1.892 ng/ul
RT: 3.403 min Scan# 76
Delta R.T. -0.000 min
Lab File: BM043953.D
Acq: 01 Feb 2024 18:50

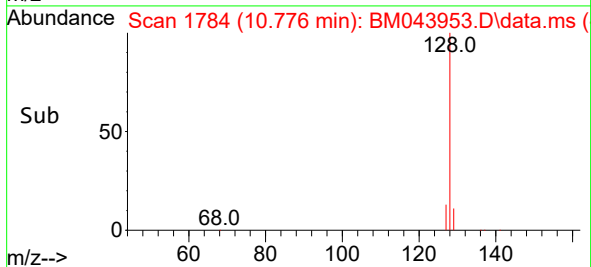
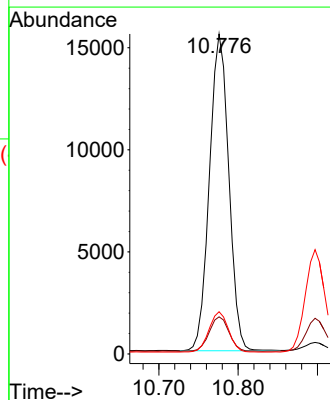
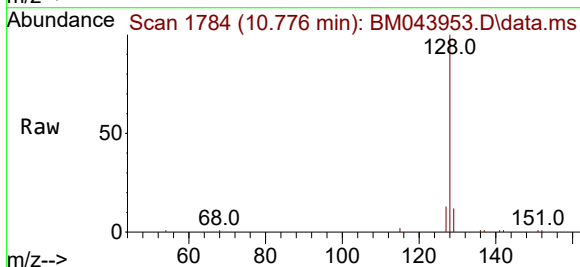
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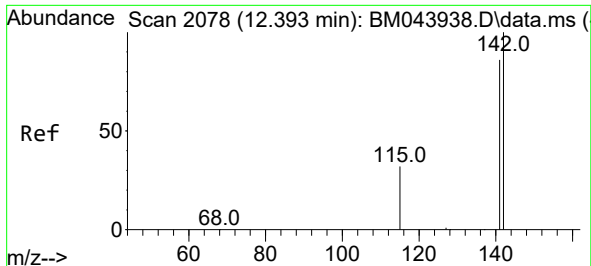
Tgt Ion: 88 Resp: 23529
Ion Ratio Lower Upper
88 100
43 31.7 27.1 40.7
58 70.6 44.6 67.0#



#5
Naphthalene
Concen: 0.345 ng/ul
RT: 10.776 min Scan# 1784
Delta R.T. -0.000 min
Lab File: BM043953.D
Acq: 01 Feb 2024 18:50

Tgt Ion: 128 Resp: 26329
Ion Ratio Lower Upper
128 100
129 11.6 9.1 13.7
127 13.2 10.3 15.5

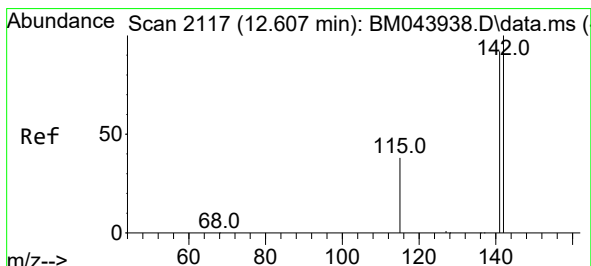
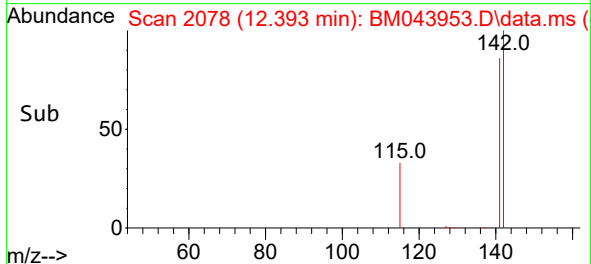
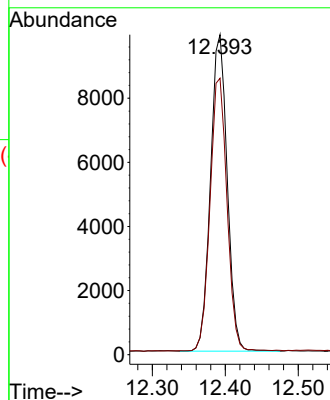
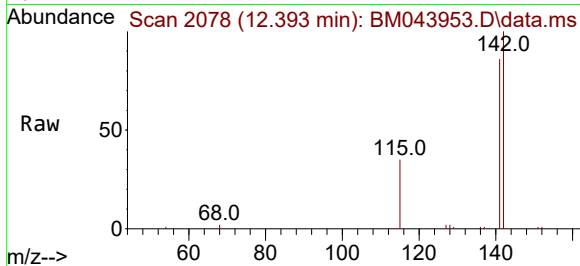




#7
2-Methylnaphthalene
Concen: 0.346 ng/ul
RT: 12.393 min Scan# 2078
Delta R.T. -0.000 min
Lab File: BM043953.D
Acq: 01 Feb 2024 18:50

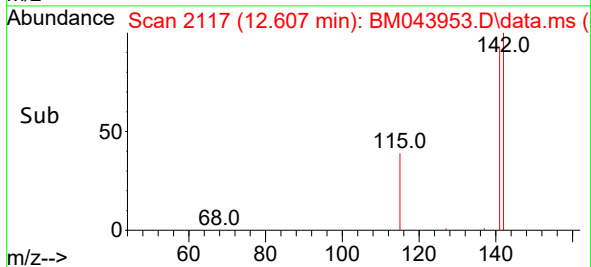
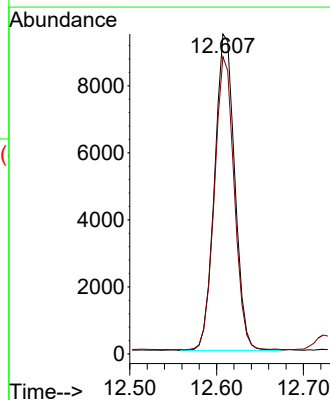
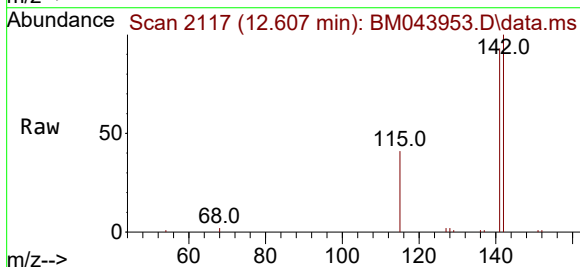
Instrument :
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ClientSampleId :
SLCS633

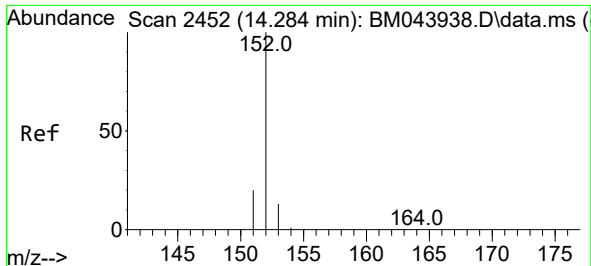
Tgt Ion:142 Resp: 15749
Ion Ratio Lower Upper
142 100
141 87.3 70.2 105.4



#8
1-Methylnaphthalene
Concen: 0.337 ng/ul
RT: 12.607 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BM043953.D
Acq: 01 Feb 2024 18:50

Tgt Ion:142 Resp: 15190
Ion Ratio Lower Upper
142 100
141 91.5 72.9 109.3

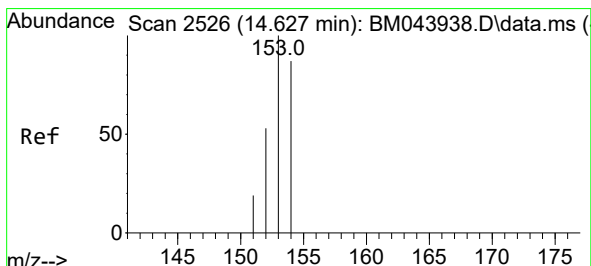
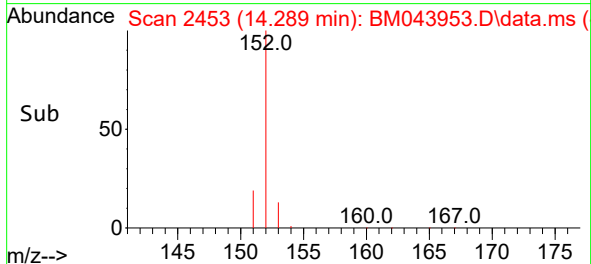
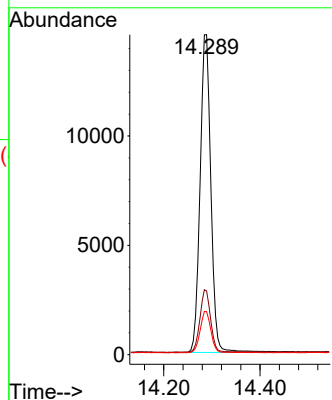
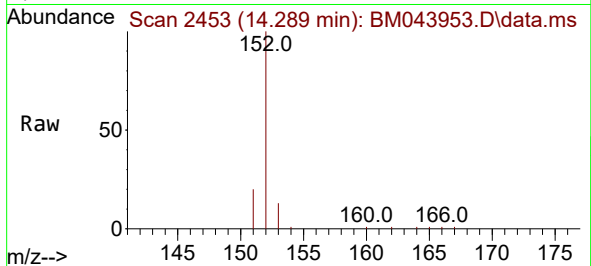




#10
Acenaphthylene
Concen: 0.340 ng/ul
RT: 14.289 min Scan# 2453
Delta R.T. 0.001 min
Lab File: BM043953.D
Acq: 01 Feb 2024 18:50

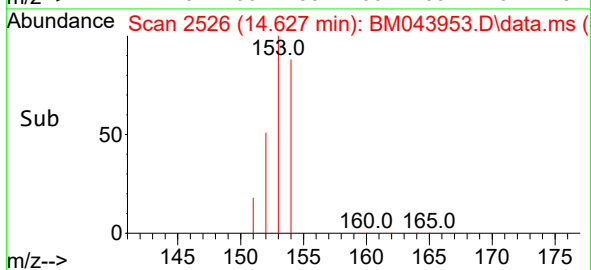
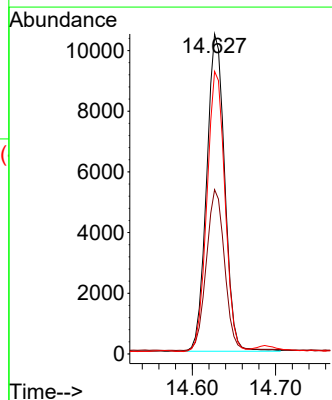
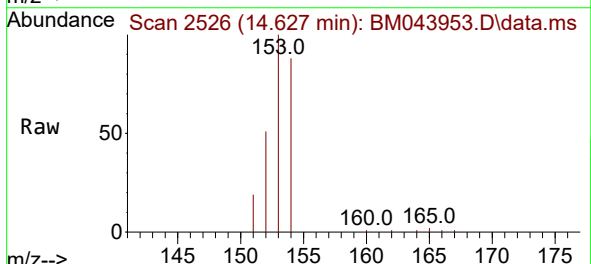
Instrument :
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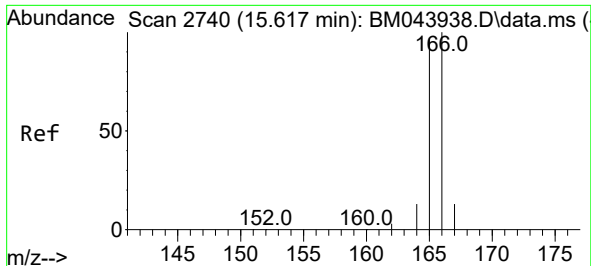
Tgt Ion:	152	Resp:	22746
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.6	23.4
153	13.4	10.9	16.3



#11
Acenaphthene
Concen: 0.340 ng/ul
RT: 14.627 min Scan# 2526
Delta R.T. 0.001 min
Lab File: BM043953.D
Acq: 01 Feb 2024 18:50

Tgt Ion:	153	Resp:	15764
Ion Ratio	Lower	Upper	
153	100		
152	51.4	41.8	62.8
154	88.3	69.8	104.8

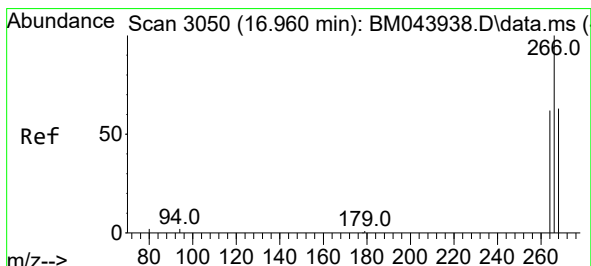
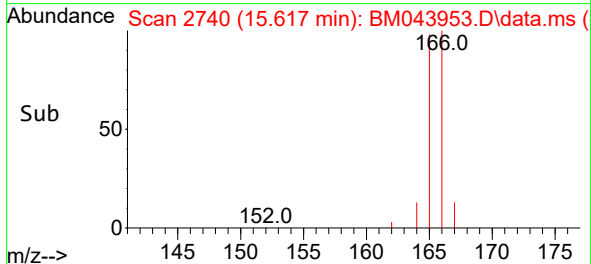
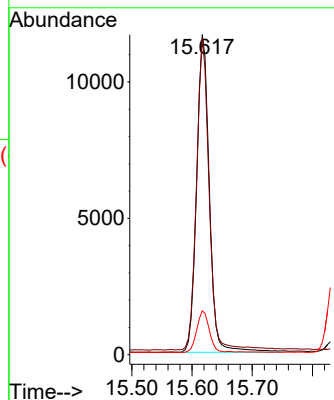
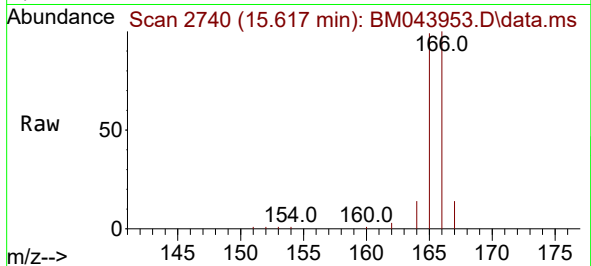




#12
 Fluorene
 Concen: 0.337 ng/ul
 RT: 15.617 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BM043953.D
 Acq: 01 Feb 2024 18:50

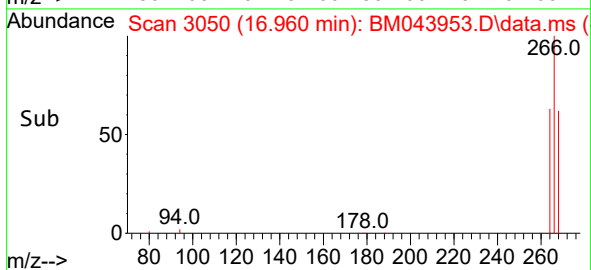
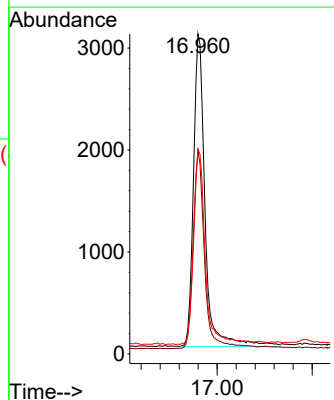
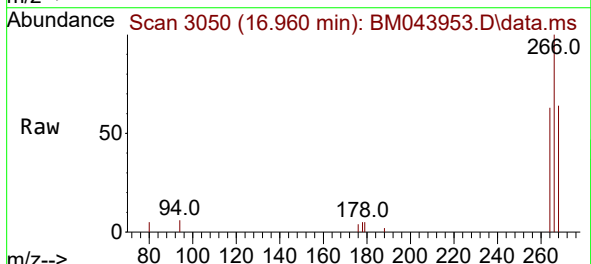
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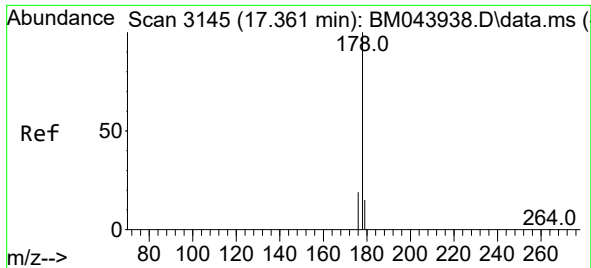
Tgt Ion:166 Resp: 17123
 Ion Ratio Lower Upper
 166 100
 165 99.0 79.5 119.3
 167 13.7 10.9 16.3



#14
 Pentachlorophenol
 Concen: 0.881 ng/ul
 RT: 16.960 min Scan# 3050
 Delta R.T. 0.001 min
 Lab File: BM043953.D
 Acq: 01 Feb 2024 18:50

Tgt Ion:266 Resp: 5201
 Ion Ratio Lower Upper
 266 100
 264 62.9 51.3 76.9
 268 62.7 54.7 82.1

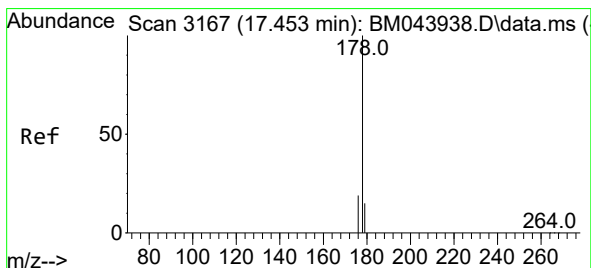
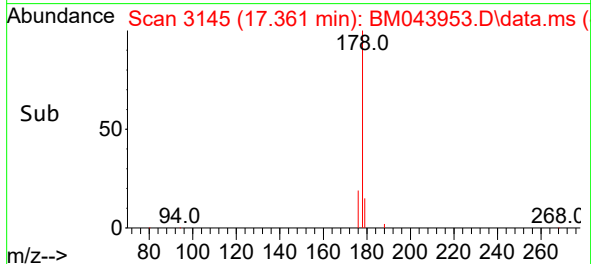
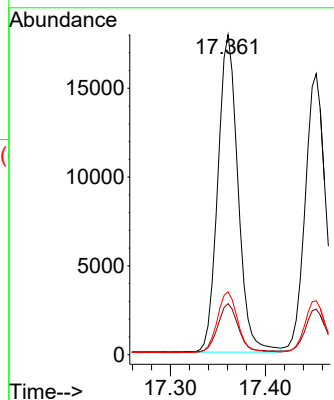
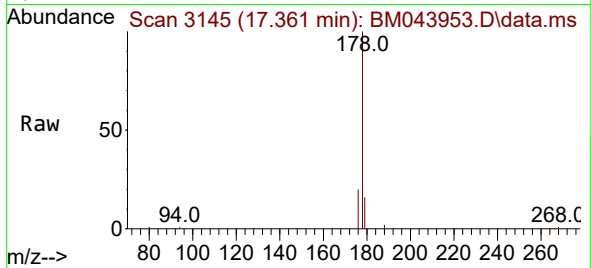




#15
Phenanthrene
Concen: 0.348 ng/ul
RT: 17.361 min Scan# 3145
Delta R.T. 0.001 min
Lab File: BM043953.D
Acq: 01 Feb 2024 18:50

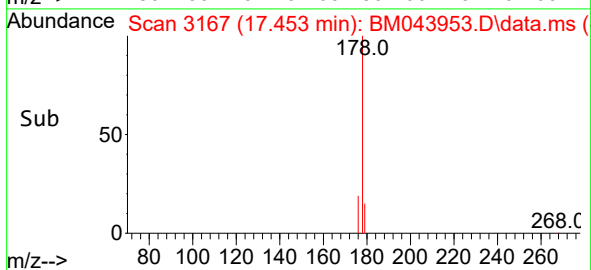
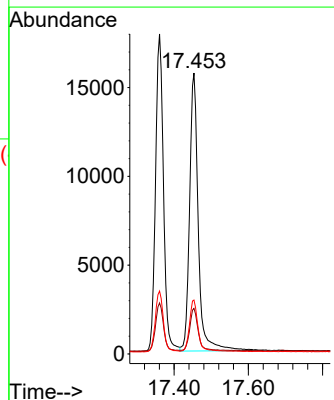
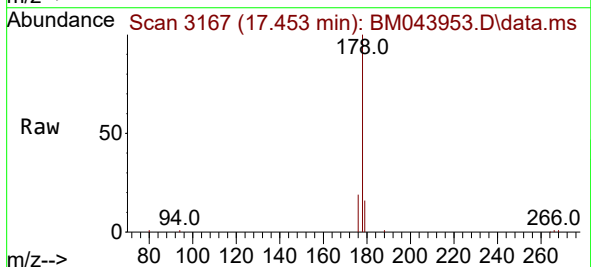
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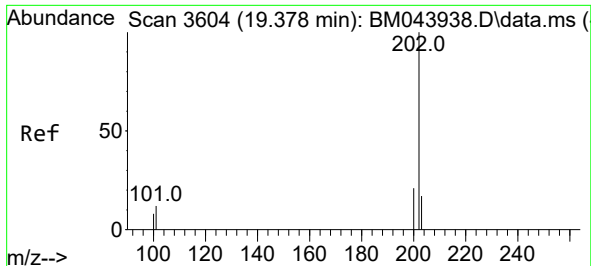
Tgt Ion:	178	Resp:	26434
Ion Ratio	Lower	Upper	
178	100		
179	15.9	12.5	18.7
176	19.6	15.6	23.4



#16
Anthracene
Concen: 0.354 ng/ul
RT: 17.453 min Scan# 3167
Delta R.T. 0.001 min
Lab File: BM043953.D
Acq: 01 Feb 2024 18:50

Tgt Ion:	178	Resp:	25511
Ion Ratio	Lower	Upper	
178	100		
179	16.3	12.6	18.8
176	19.2	15.4	23.0

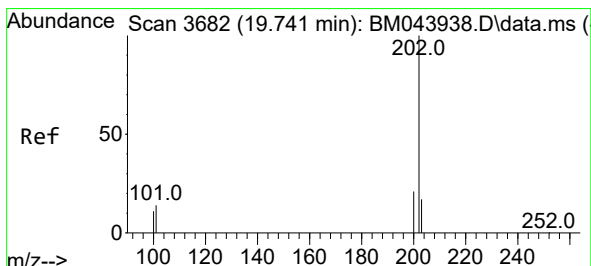
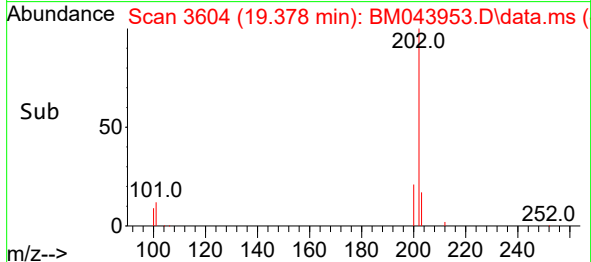
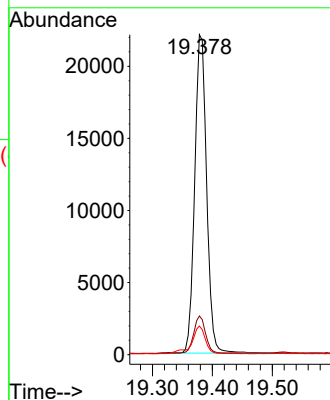
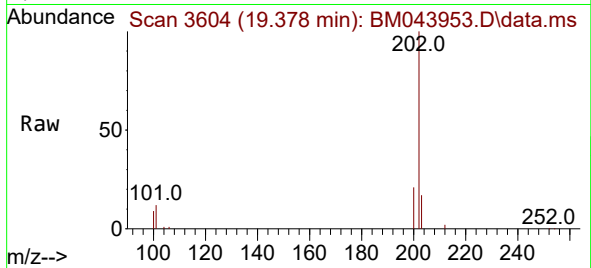




#19
Fluoranthene
Concen: 0.349 ng/ul
RT: 19.378 min Scan# 3604
Delta R.T. -0.004 min
Lab File: BM043953.D
Acq: 01 Feb 2024 18:50

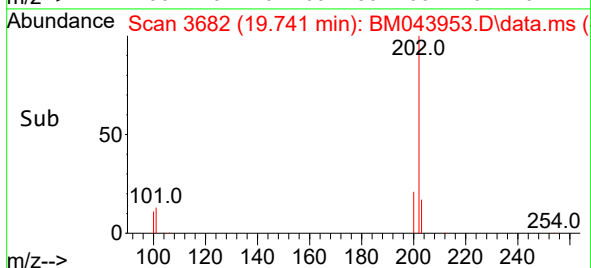
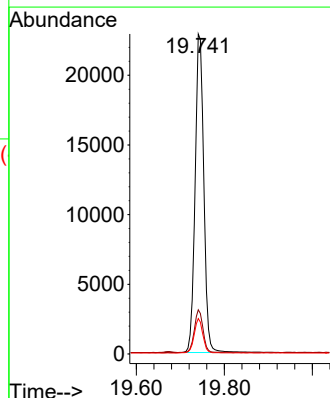
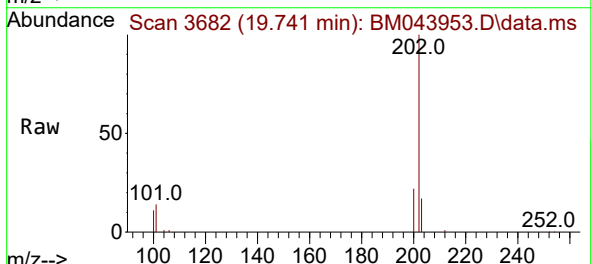
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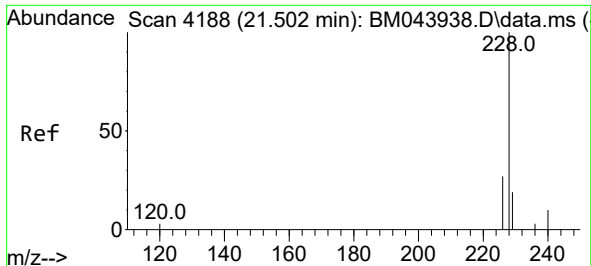
Tgt Ion:202 Resp: 30455
Ion Ratio Lower Upper
202 100
101 12.1 8.6 13.0
100 8.9 6.4 9.6



#20
Pyrene
Concen: 0.350 ng/ul
RT: 19.741 min Scan# 3682
Delta R.T. -0.004 min
Lab File: BM043953.D
Acq: 01 Feb 2024 18:50

Tgt Ion:202 Resp: 31421
Ion Ratio Lower Upper
202 100
101 13.8 10.3 15.5
100 11.1 8.1 12.1

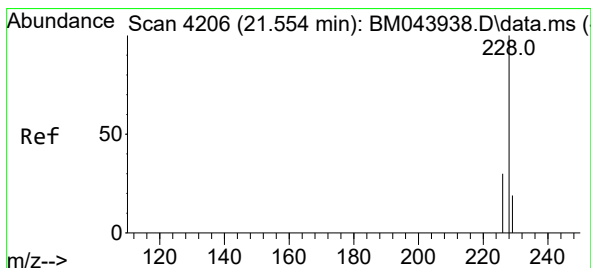
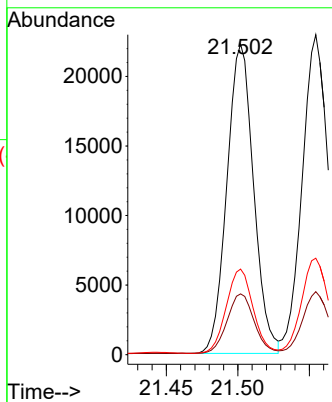
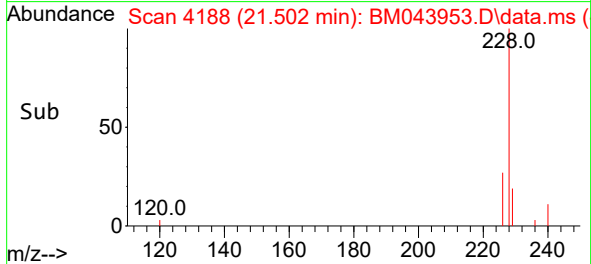
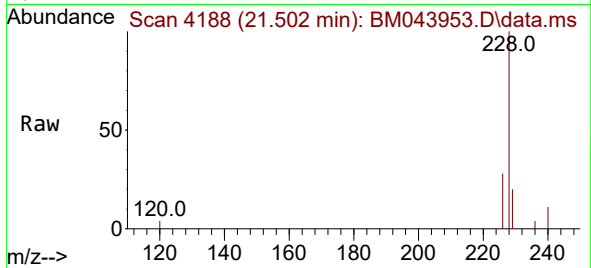




#21
Benzo(a)anthracene
Concen: 0.366 ng/ul
RT: 21.502 min Scan# 4188
Delta R.T. 0.002 min
Lab File: BM043953.D
Acq: 01 Feb 2024 18:50

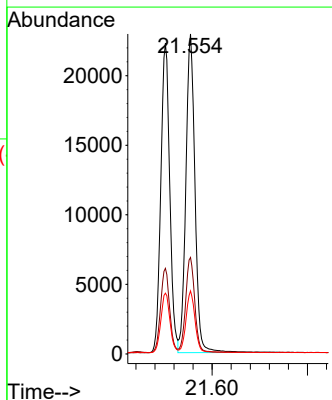
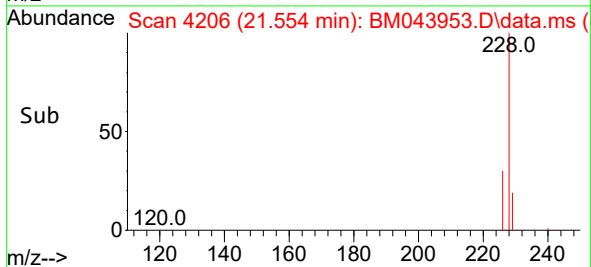
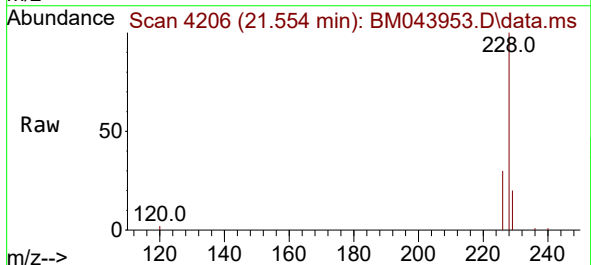
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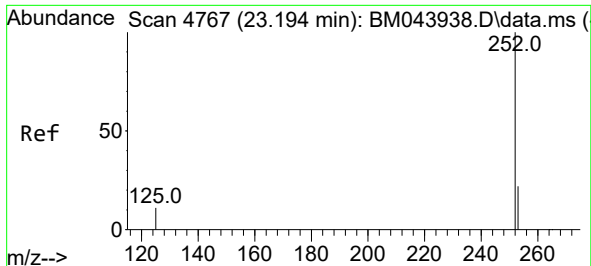
Tgt Ion:228 Resp: 28907
Ion Ratio Lower Upper
228 100
229 19.6 15.5 23.3
226 27.6 22.3 33.5



#22
Chrysene
Concen: 0.367 ng/ul
RT: 21.554 min Scan# 4206
Delta R.T. 0.002 min
Lab File: BM043953.D
Acq: 01 Feb 2024 18:50

Tgt Ion:228 Resp: 30381
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 19.7 15.5 23.3

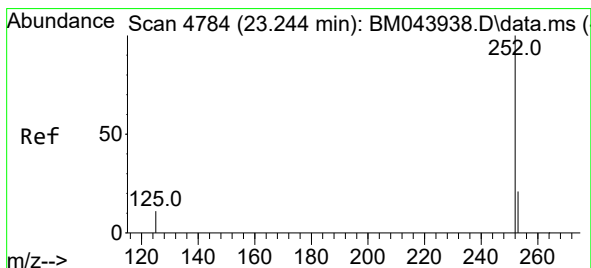
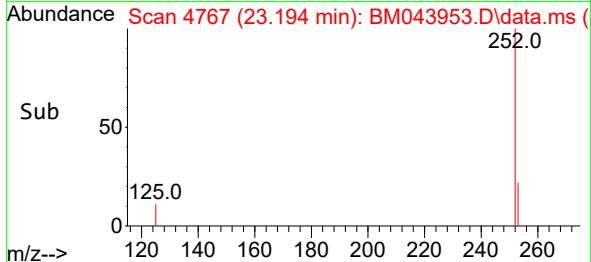
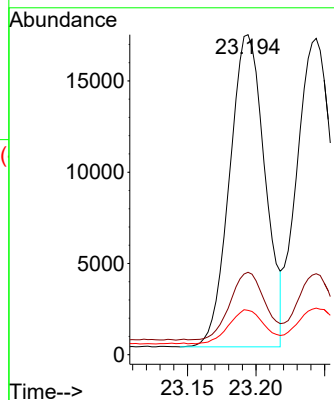
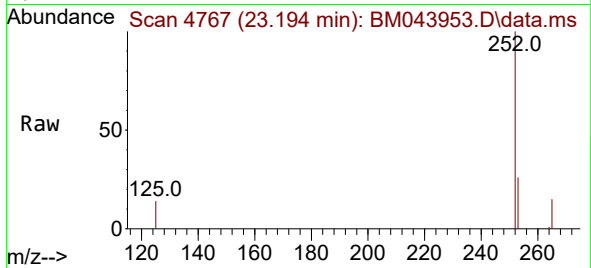




#24
Benzo(b)fluoranthene
Concen: 0.367 ng/ul
RT: 23.194 min Scan# 4767
Delta R.T. 0.002 min
Lab File: BM043953.D
Acq: 01 Feb 2024 18:50

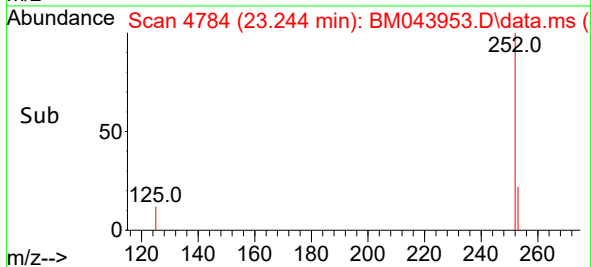
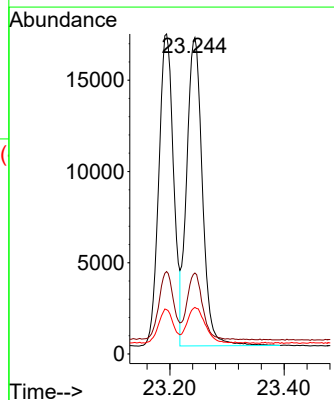
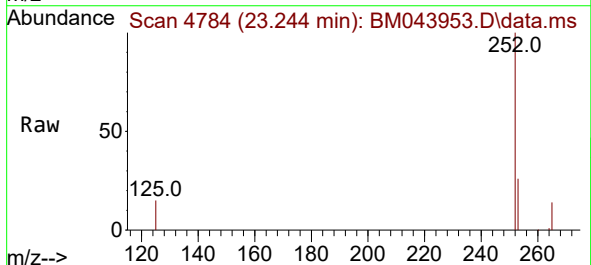
Instrument :
BNA_M
ClientSampleId :
SLCS633

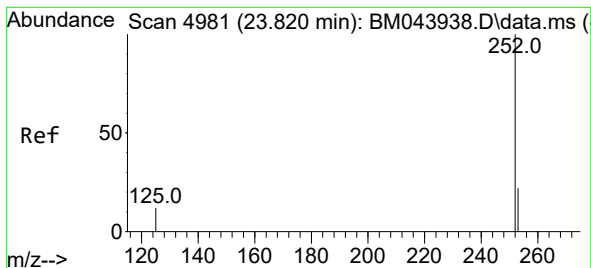
Tgt Ion:252 Resp: 30722
Ion Ratio Lower Upper
252 100
253 25.8 0.0 50.0
125 13.9 0.0 26.4



#25
Benzo(k)fluoranthene
Concen: 0.369 ng/ul
RT: 23.244 min Scan# 4784
Delta R.T. 0.002 min
Lab File: BM043953.D
Acq: 01 Feb 2024 18:50

Tgt Ion:252 Resp: 32180
Ion Ratio Lower Upper
252 100
253 25.6 19.7 29.5
125 14.7 10.6 16.0





#26

Benzo(a)pyrene

Concen: 0.372 ng/ul

RT: 23.817 min Scan# 4981

Delta R.T. -0.004 min

Lab File: BM043953.D

Acq: 01 Feb 2024 18:50

Instrument :

BNA_M

ClientSampleId :

SLCS633

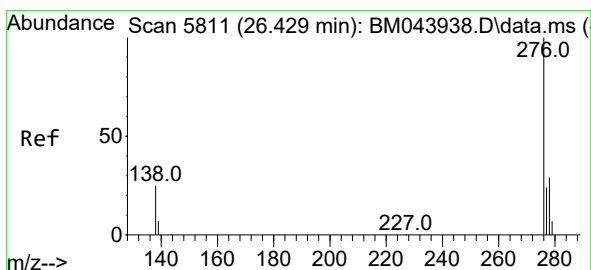
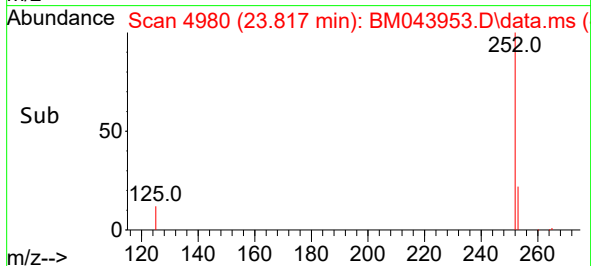
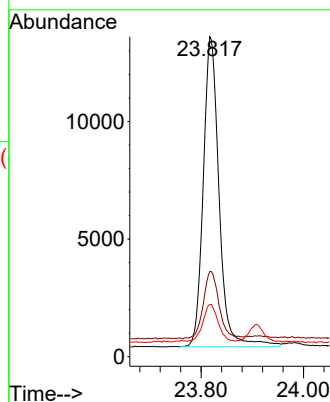
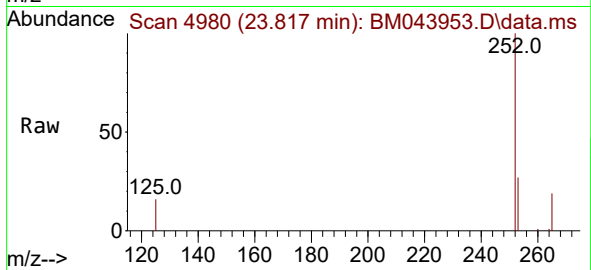
Tgt Ion:252 Resp: 28370

Ion Ratio Lower Upper

252 100

253 26.6 20.6 31.0

125 16.3 12.6 18.8



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.365 ng/ul

RT: 26.423 min Scan# 5809

Delta R.T. -0.004 min

Lab File: BM043953.D

Acq: 01 Feb 2024 18:50

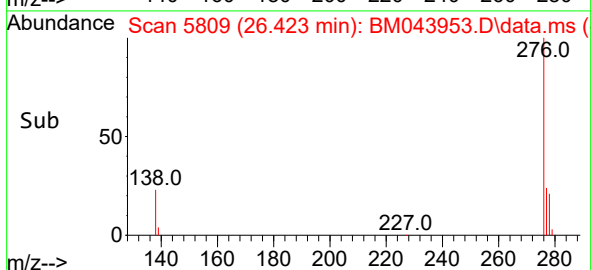
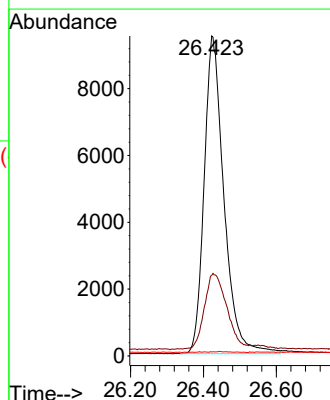
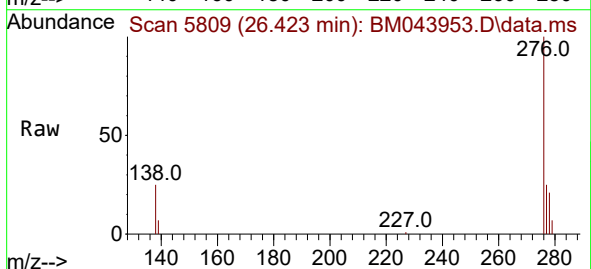
Tgt Ion:276 Resp: 35792

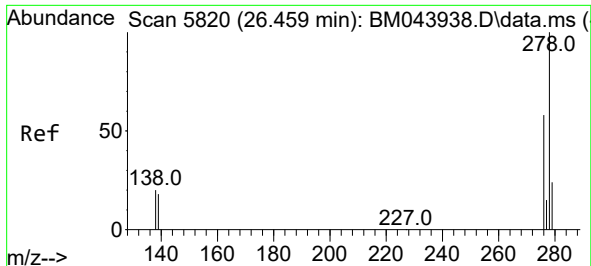
Ion Ratio Lower Upper

276 100

138 28.0 22.2 33.2

227 0.0 0.0 0.0#





#28

Dibenzo(a,h)anthracene

Concen: 0.364 ng/ul

RT: 26.456 min Scan# 5819

Delta R.T. -0.001 min

Lab File: BM043953.D

Acq: 01 Feb 2024 18:50

Instrument :

BNA_M

ClientSampleId :

SLCS633

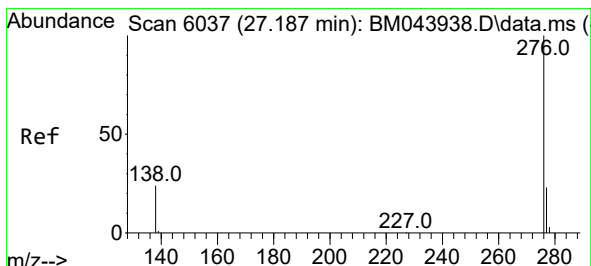
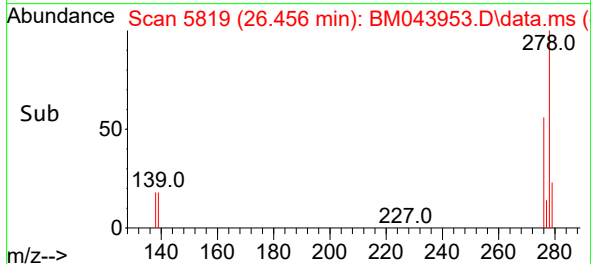
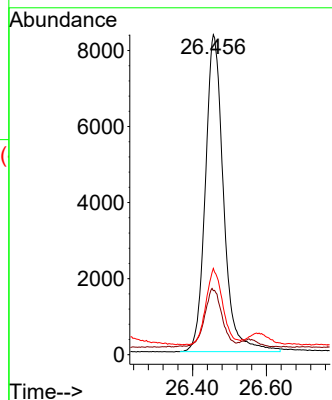
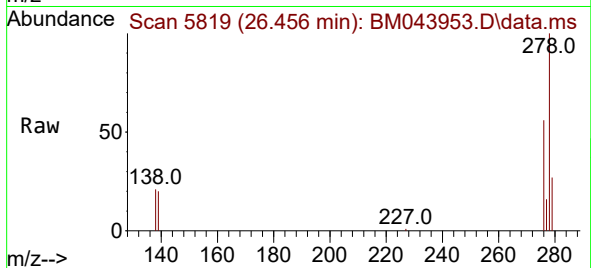
Tgt Ion:278 Resp: 28518

Ion Ratio Lower Upper

278 100

139 20.0 16.2 24.2

279 27.0 21.7 32.5



#29

Benzo(g,h,i)perylene

Concen: 0.355 ng/ul

RT: 27.194 min Scan# 6039

Delta R.T. 0.002 min

Lab File: BM043953.D

Acq: 01 Feb 2024 18:50

Tgt Ion:276 Resp: 30131

Ion Ratio Lower Upper

276 100

138 25.5 20.2 30.2

277 24.4 19.0 28.4

