

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041824\
 Data File : BM045403.D
 Acq On : 19 Apr 2024 21:58
 Operator : MA/JU
 Sample : PB160227BS
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS226

Quant Time: Apr 19 23:09:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM040424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 22:19:59 2024
 Response via : Initial Calibration

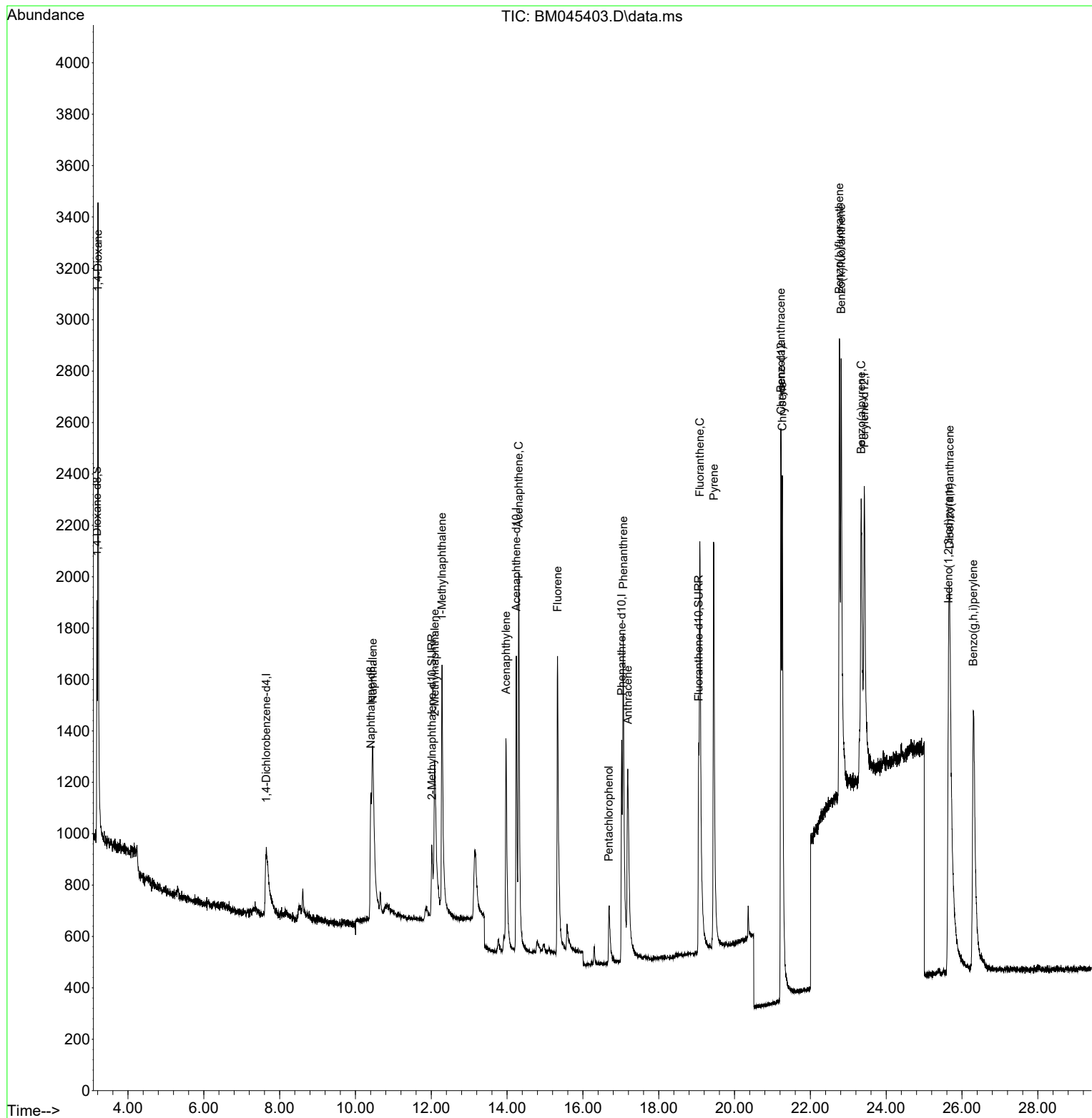
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.648	152	581	0.400	ng/ul	# 0.04
4) Naphthalene-d8	10.408	136	1886	0.400	ng/ul	# 0.02
9) Acenaphthene-d10	14.242	164	918	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.022	188	1966	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.225	240	1456	0.400	ng/ul	# 0.00
23) Perylene-d12	23.423	264	1932	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.180	96	718	0.941	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.013	152	884	0.346	ng/ul	0.02
18) Fluoranthene-d10	19.052	212	1633	0.444	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.209	88	1778	2.430	ng/ul#	81
5) Naphthalene	10.457	128	1846	0.369	ng/ul#	81
7) 2-Methylnaphthalene	12.090	142	1011	0.338	ng/ul	98
8) 1-Methylnaphthalene	12.283	142	1108	0.340	ng/ul	99
10) Acenaphthylene	13.969	152	1723	0.376	ng/ul#	87
11) Acenaphthene	14.307	153	1283	0.391	ng/ul	98
12) Fluorene	15.329	166	1378	0.375	ng/ul#	93
14) Pentachlorophenol	16.684	266	297	0.644	ng/ul	93
15) Phenanthrene	17.064	178	2003	0.362	ng/ul#	89
16) Anthracene	17.182	178	1977	0.363	ng/ul#	83
19) Fluoranthene	19.085	202	2375	0.456	ng/ul#	89
20) Pyrene	19.452	202	2534	0.461	ng/ul#	91
21) Benzo(a)anthracene	21.219	228	1707	0.337	ng/ul	93
22) Chrysene	21.260	228	2821	0.446	ng/ul	96
24) Benzo(b)fluoranthene	22.765	252	2662	0.382	ng/ul	93
25) Benzo(k)fluoranthene	22.812	252	3413	0.437	ng/ul#	87
26) Benzo(a)pyrene	23.338	252	2771	0.416	ng/ul#	80
27) Indeno(1,2,3-cd)pyrene	25.642	276	3770	0.413	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.672	278	2939	0.406	ng/ul#	78
29) Benzo(g,h,i)perylene	26.299	276	3523	0.447	ng/ul#	90

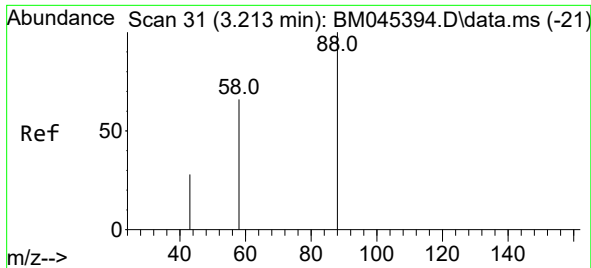
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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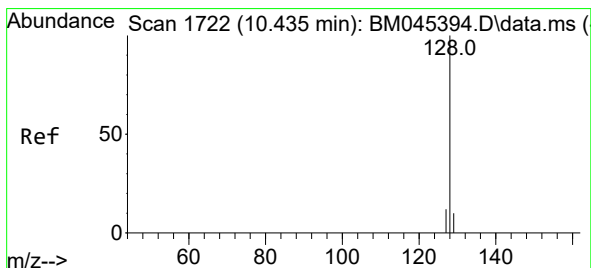
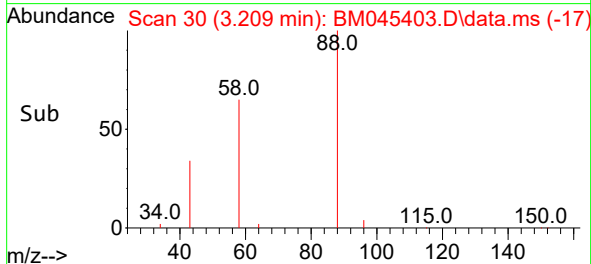
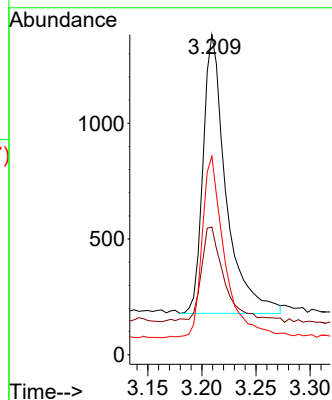
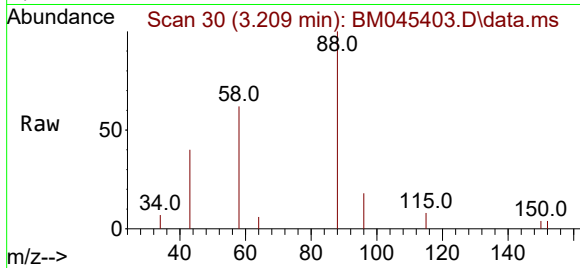




#2
1,4-Dioxane
Concen: 2.430 ng/ul
RT: 3.209 min Scan# 30
Delta R.T. -0.004 min
Lab File: BM045403.D
Acq: 19 Apr 2024 21:58

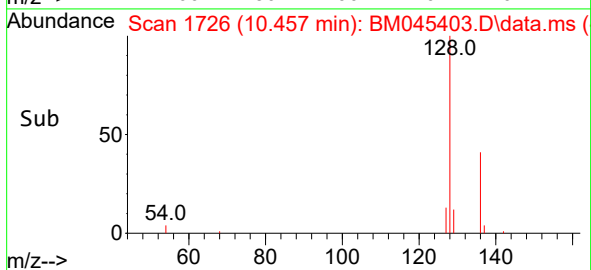
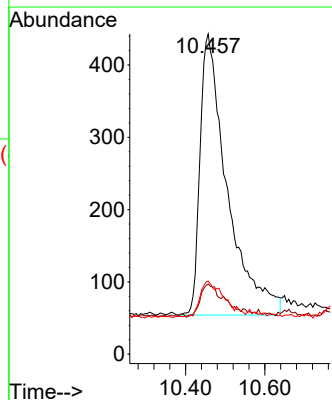
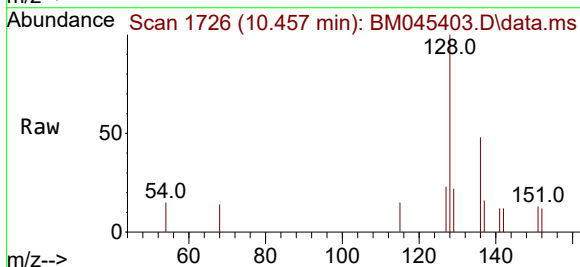
Instrument :
BNA_M
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SLCS226

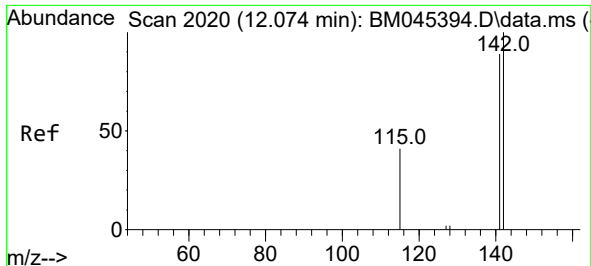
Tgt Ion: 88 Resp: 1778
Ion Ratio Lower Upper
88 100
43 39.9 30.6 46.0
58 62.0 32.6 48.8#



#5
Naphthalene
Concen: 0.369 ng/ul
RT: 10.457 min Scan# 1726
Delta R.T. 0.016 min
Lab File: BM045403.D
Acq: 19 Apr 2024 21:58

Tgt Ion:128 Resp: 1846
Ion Ratio Lower Upper
128 100
129 21.9 11.3 16.9#
127 22.8 11.9 17.9#

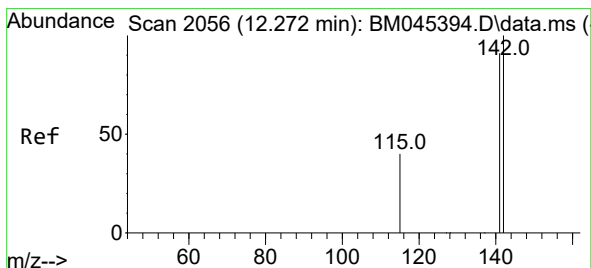
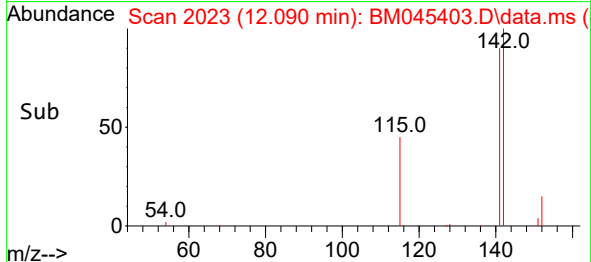
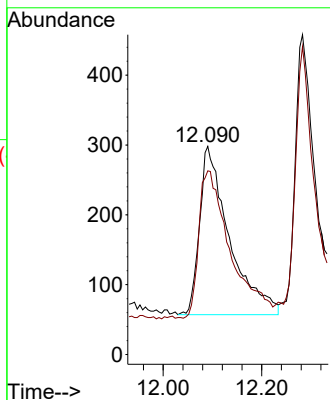
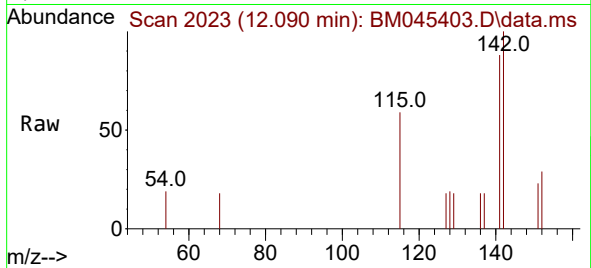




#7
2-Methylnaphthalene
Concen: 0.338 ng/ul
RT: 12.090 min Scan# 2023
Delta R.T. 0.022 min
Lab File: BM045403.D
Acq: 19 Apr 2024 21:58

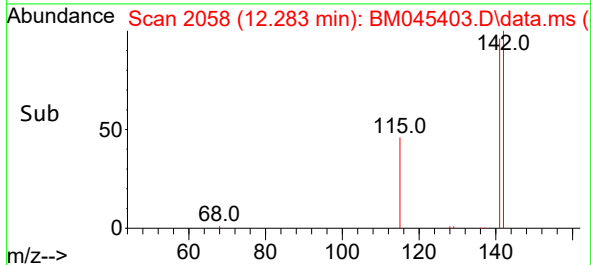
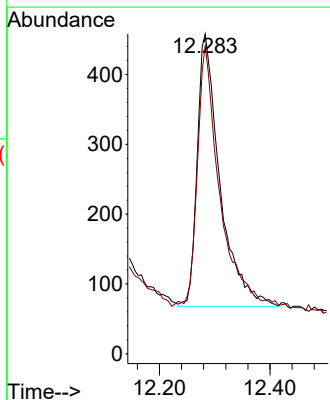
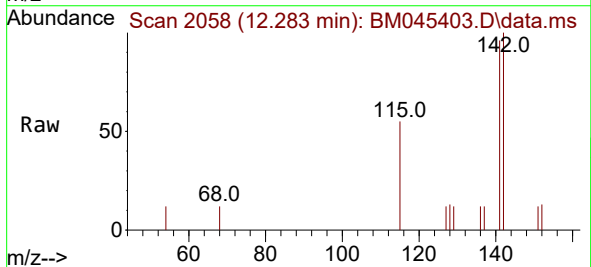
Instrument :
BNA_M
ClientSampleId :
SLCS226

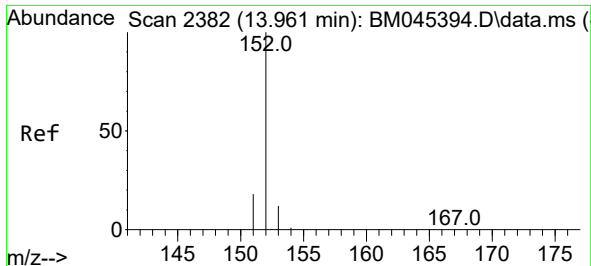
Tgt Ion:142 Resp: 1011
Ion Ratio Lower Upper
142 100
141 94.0 73.8 110.8



#8
1-Methylnaphthalene
Concen: 0.340 ng/ul
RT: 12.283 min Scan# 2058
Delta R.T. 0.011 min
Lab File: BM045403.D
Acq: 19 Apr 2024 21:58

Tgt Ion:142 Resp: 1108
Ion Ratio Lower Upper
142 100
141 93.4 74.2 111.2

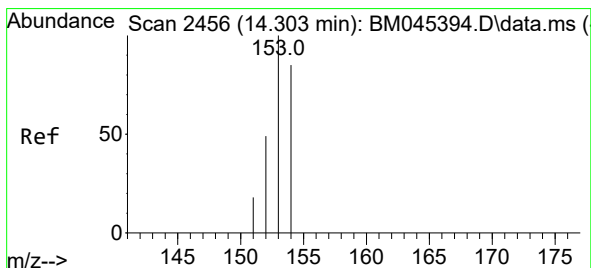
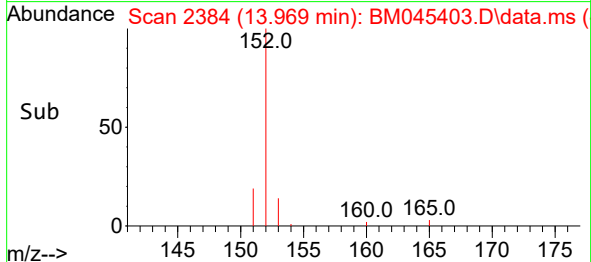
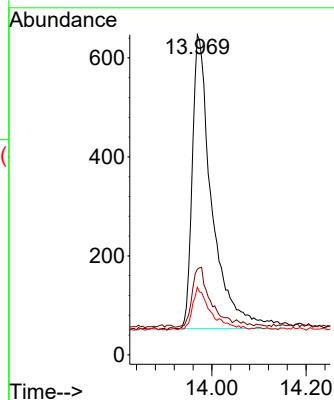
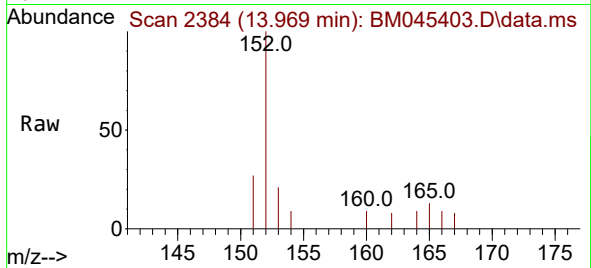




#10
Acenaphthylene
Concen: 0.376 ng/ul
RT: 13.969 min Scan# 21
Delta R.T. 0.005 min
Lab File: BM045403.D
Acq: 19 Apr 2024 21:58

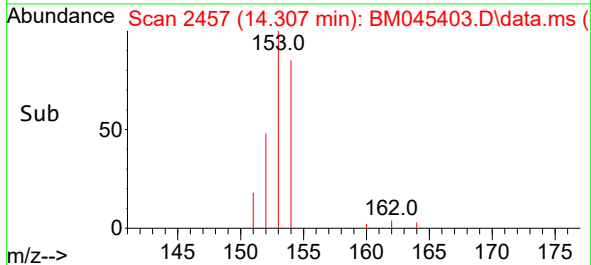
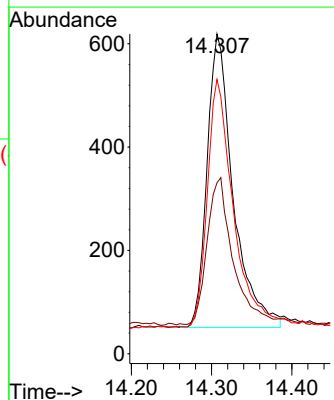
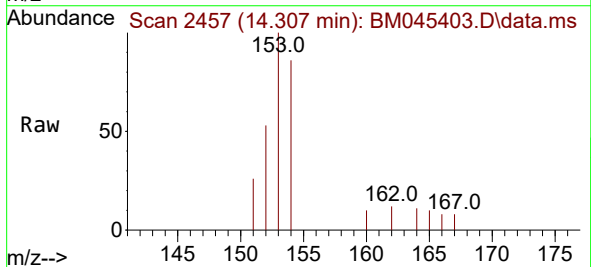
Instrument :
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ClientSampleId :
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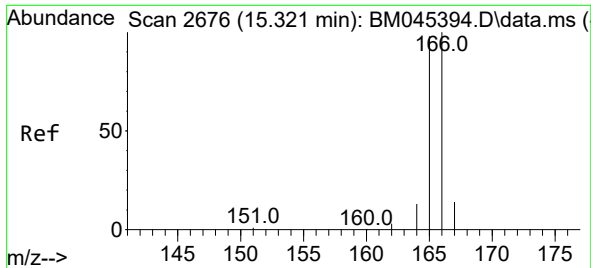
Tgt Ion:152 Resp: 1723
Ion Ratio Lower Upper
152 100
151 26.7 17.0 25.4#
153 21.2 11.9 17.9#



#11
Acenaphthene
Concen: 0.391 ng/ul
RT: 14.307 min Scan# 2457
Delta R.T. 0.005 min
Lab File: BM045403.D
Acq: 19 Apr 2024 21:58

Tgt Ion:153 Resp: 1283
Ion Ratio Lower Upper
153 100
152 53.5 41.2 61.8
154 85.8 69.4 104.0

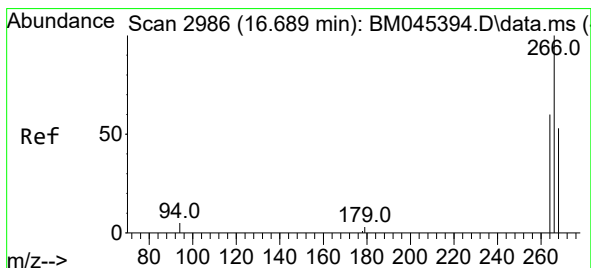
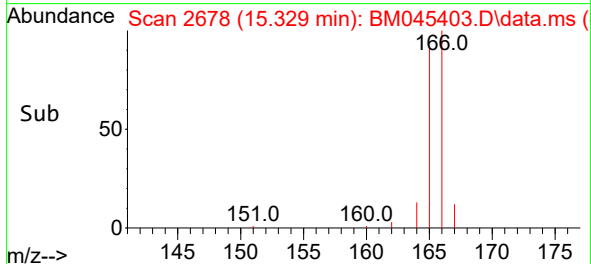
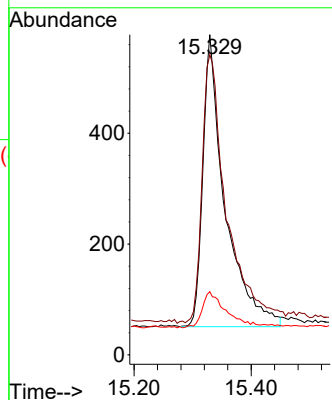
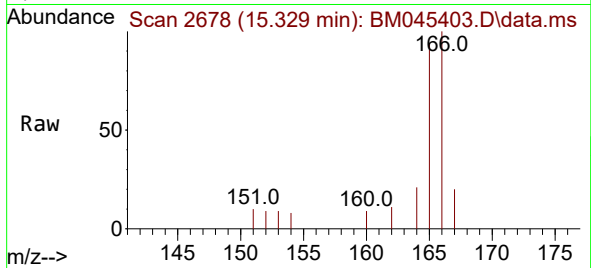




#12
Fluorene
Concen: 0.375 ng/ul
RT: 15.329 min Scan# 2
Delta R.T. 0.005 min
Lab File: BM045403.D
Acq: 19 Apr 2024 21:58

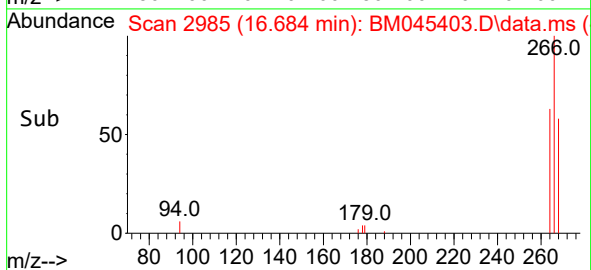
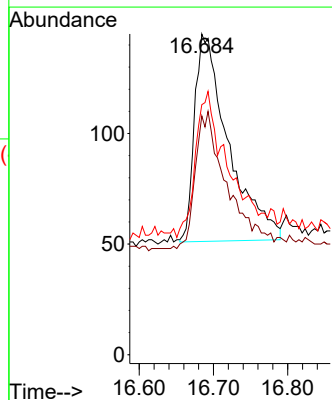
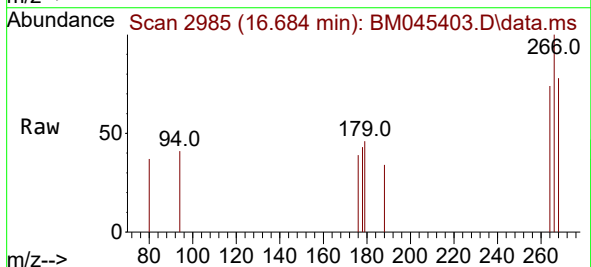
Instrument :
BNA_M
ClientSampleId :
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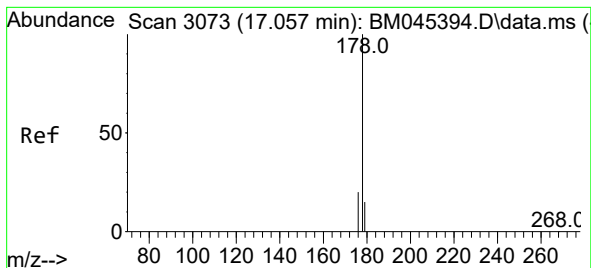
Tgt Ion:166 Resp: 1378
Ion Ratio Lower Upper
166 100
165 93.8 79.9 119.9
167 19.7 12.2 18.2#



#14
Pentachlorophenol
Concen: 0.644 ng/ul
RT: 16.684 min Scan# 2985
Delta R.T. -0.004 min
Lab File: BM045403.D
Acq: 19 Apr 2024 21:58

Tgt Ion:266 Resp: 297
Ion Ratio Lower Upper
266 100
264 63.6 48.3 72.5
268 72.7 52.6 79.0





#15

Phenanthrene

Concen: 0.362 ng/ul

RT: 17.064 min Scan# 3073

Delta R.T. 0.004 min

Lab File: BM045403.D

Acq: 19 Apr 2024 21:58

Instrument :

BNA_M

ClientSampleId :

SLCS226

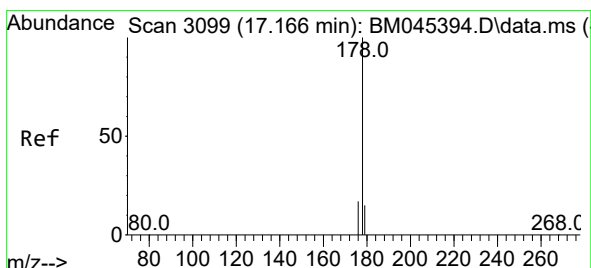
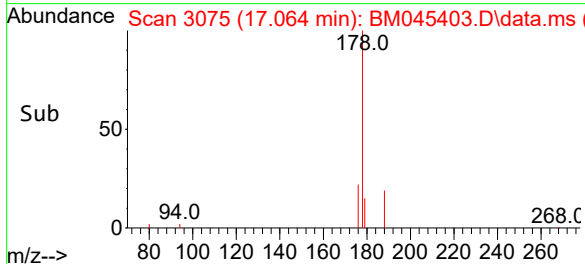
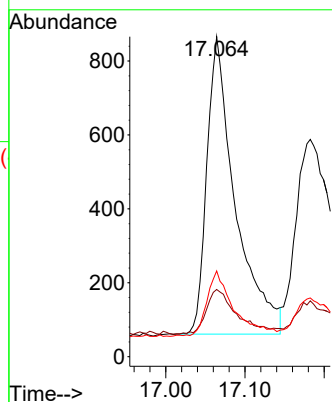
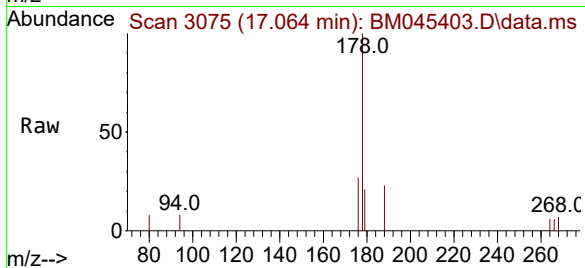
Tgt Ion:178 Resp: 2003

Ion Ratio Lower Upper

178 100

179 21.0 13.7 20.5#

176 26.8 17.0 25.4#



#16

Anthracene

Concen: 0.363 ng/ul

RT: 17.182 min Scan# 3103

Delta R.T. 0.013 min

Lab File: BM045403.D

Acq: 19 Apr 2024 21:58

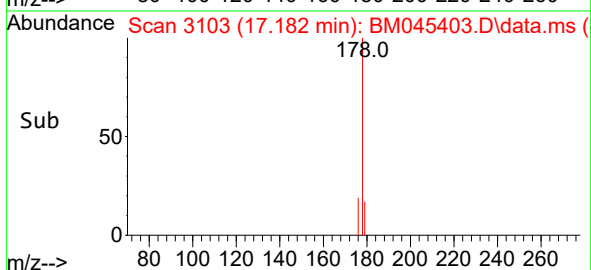
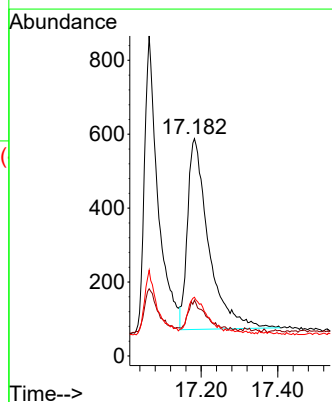
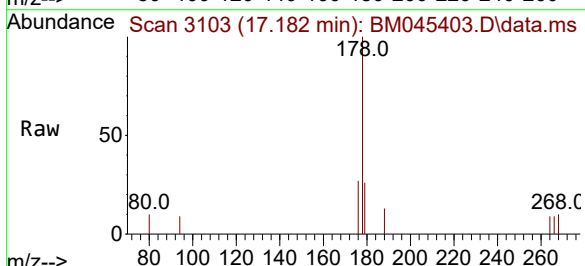
Tgt Ion:178 Resp: 1977

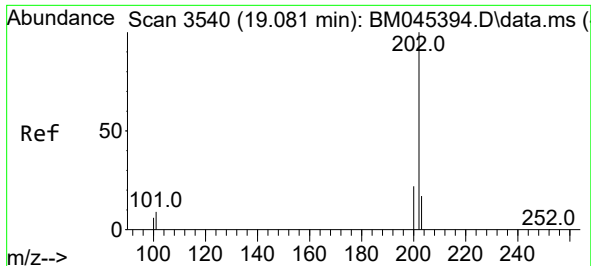
Ion Ratio Lower Upper

178 100

179 25.7 13.8 20.8#

176 27.0 16.2 24.4#

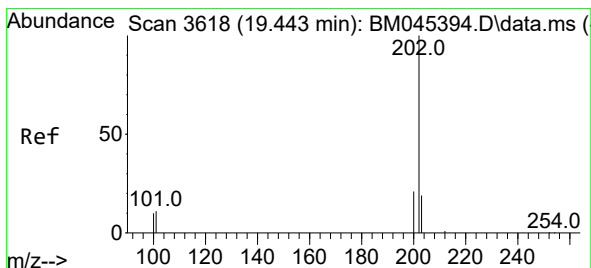
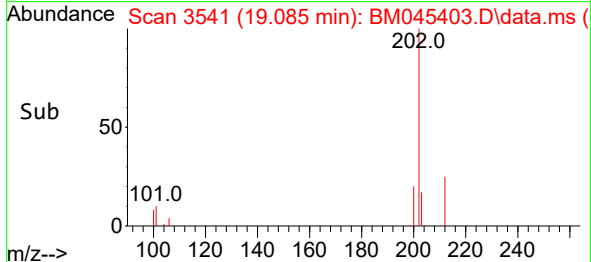
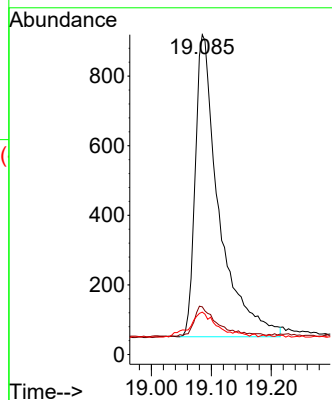
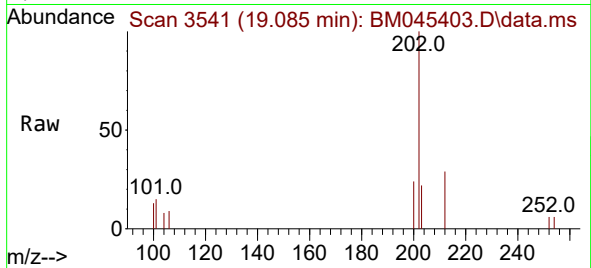




#19
Fluoranthene
Concen: 0.456 ng/ul
RT: 19.085 min Scan# 3540
Delta R.T. -0.000 min
Lab File: BM045403.D
Acq: 19 Apr 2024 21:58

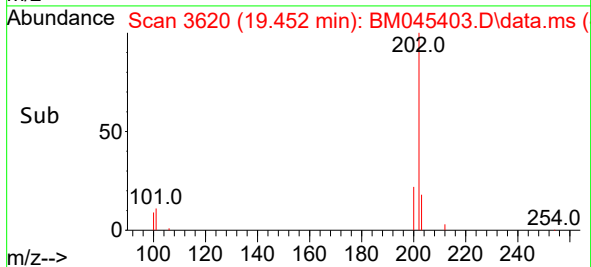
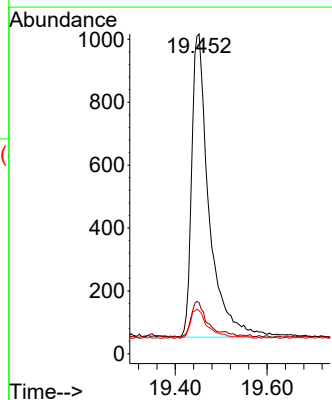
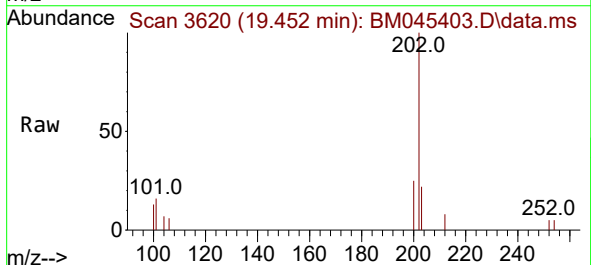
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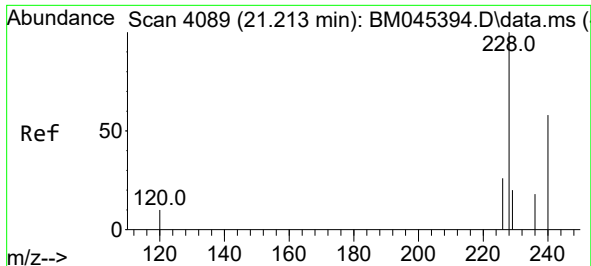
Tgt Ion:202 Resp: 2375
Ion Ratio Lower Upper
202 100
101 14.9 8.8 13.2#
100 13.3 7.0 10.4#



#20
Pyrene
Concen: 0.461 ng/ul
RT: 19.452 min Scan# 3620
Delta R.T. 0.005 min
Lab File: BM045403.D
Acq: 19 Apr 2024 21:58

Tgt Ion:202 Resp: 2534
Ion Ratio Lower Upper
202 100
101 16.0 9.8 14.6#
100 13.5 8.1 12.1#



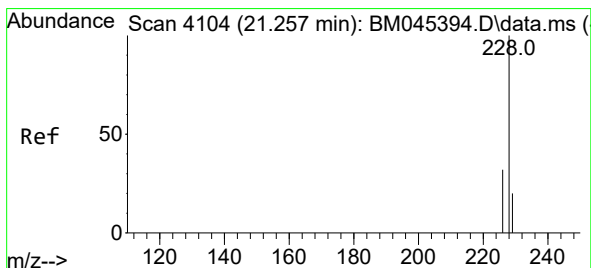
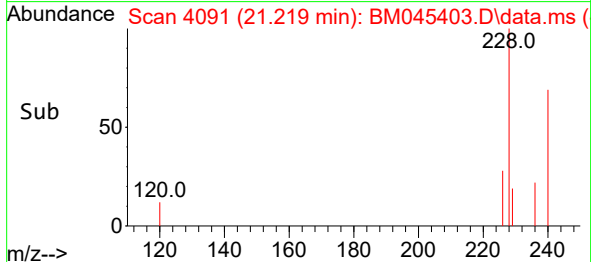
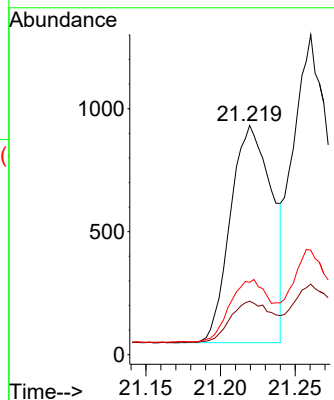
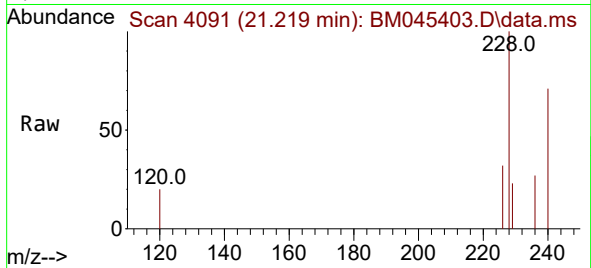


#21
Benzo(a)anthracene
Concen: 0.337 ng/ul
RT: 21.219 min Scan# 4089
Delta R.T. 0.009 min
Lab File: BM045403.D
Acq: 19 Apr 2024 21:58

Instrument :
BNA_M
ClientSampleId :
SLCS226

Tgt Ion:228 Resp: 1707

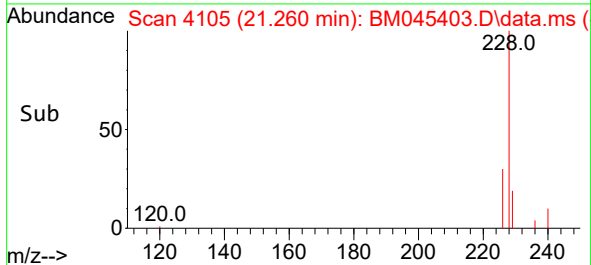
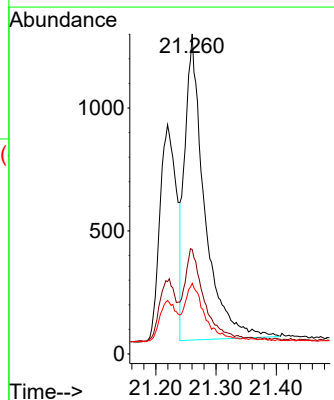
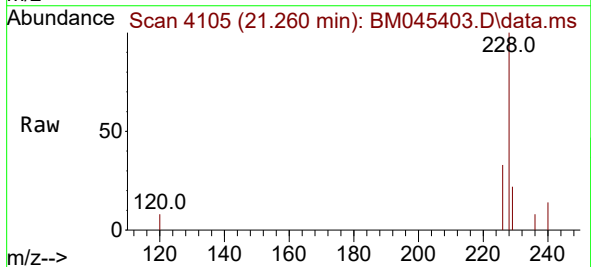
Ion	Ratio	Lower	Upper
228	100		
229	23.3	16.4	24.6
226	31.5	22.3	33.5

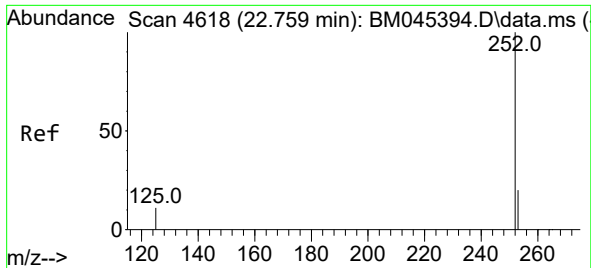


#22
Chrysene
Concen: 0.446 ng/ul
RT: 21.260 min Scan# 4105
Delta R.T. 0.006 min
Lab File: BM045403.D
Acq: 19 Apr 2024 21:58

Tgt Ion:228 Resp: 2821

Ion	Ratio	Lower	Upper
228	100		
226	32.7	24.9	37.3
229	22.1	15.9	23.9

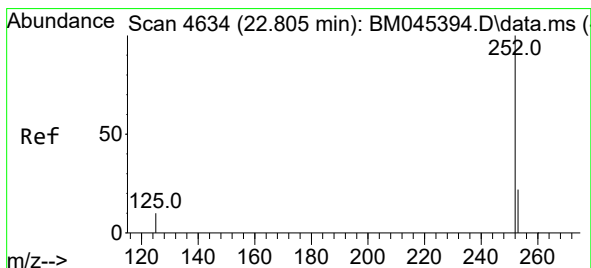
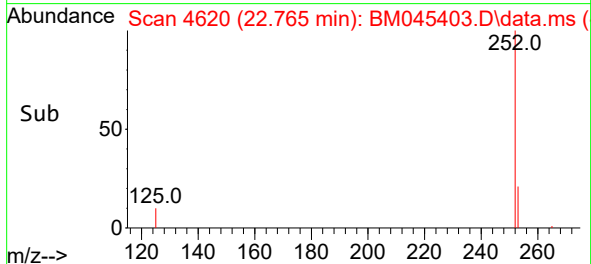
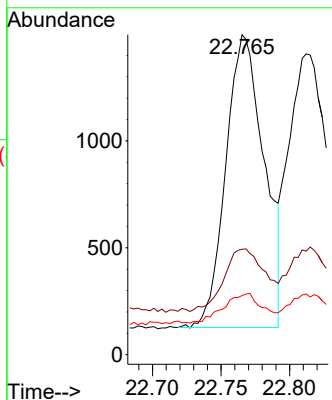
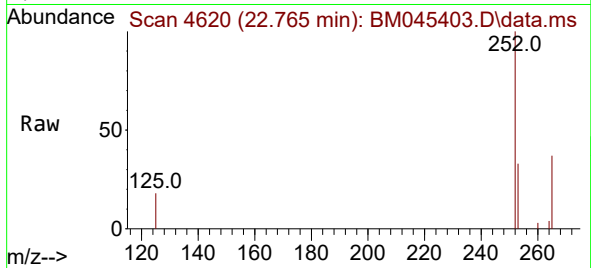




#24
Benzo(b)fluoranthene
Concen: 0.382 ng/ul
RT: 22.765 min Scan# 4620
Delta R.T. 0.003 min
Lab File: BM045403.D
Acq: 19 Apr 2024 21:58

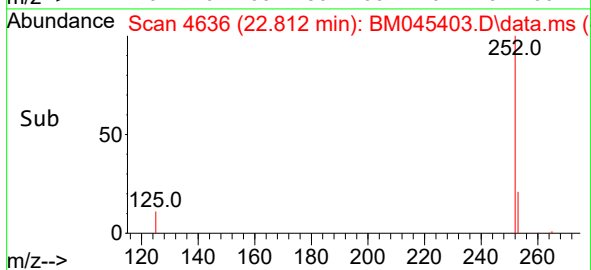
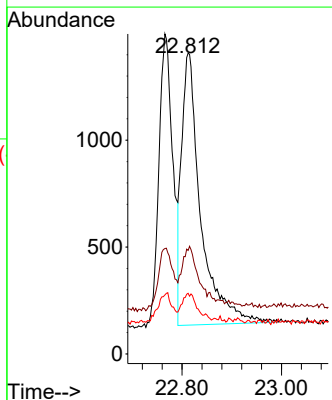
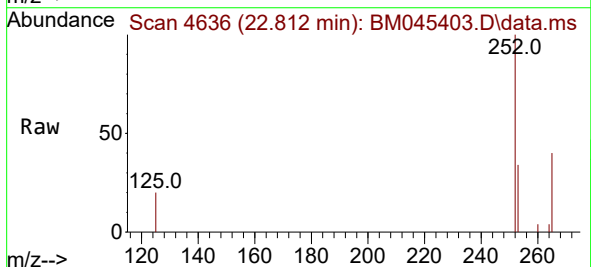
Instrument :
BNA_M
ClientSampleId :
SLCS226

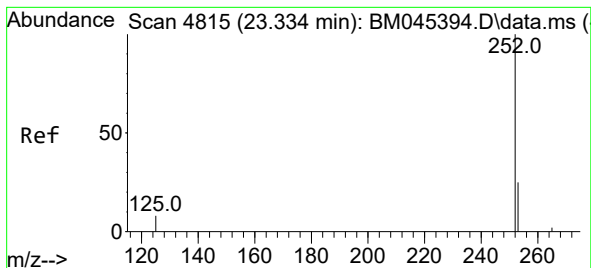
Tgt Ion:252 Resp: 2662
Ion Ratio Lower Upper
252 100
253 32.9 0.0 56.4
125 18.4 0.0 33.4



#25
Benzo(k)fluoranthene
Concen: 0.437 ng/ul
RT: 22.812 min Scan# 4636
Delta R.T. 0.006 min
Lab File: BM045403.D
Acq: 19 Apr 2024 21:58

Tgt Ion:252 Resp: 3413
Ion Ratio Lower Upper
252 100
253 34.4 22.3 33.5#
125 20.2 11.6 17.4#





#26

Benzo(a)pyrene

Concen: 0.416 ng/ul

RT: 23.338 min Scan# 4815

Delta R.T. 0.006 min

Lab File: BM045403.D

Acq: 19 Apr 2024 21:58

Instrument :

BNA_M

ClientSampleId :

SLCS226

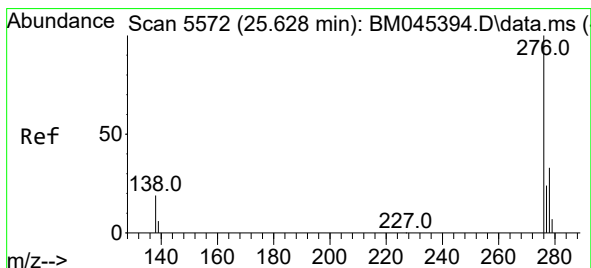
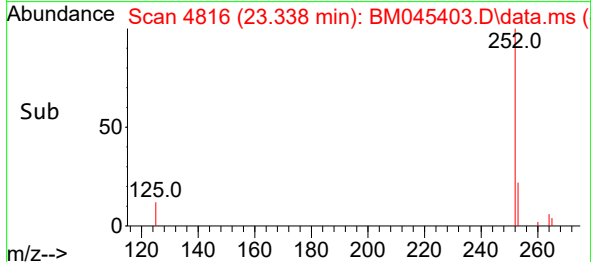
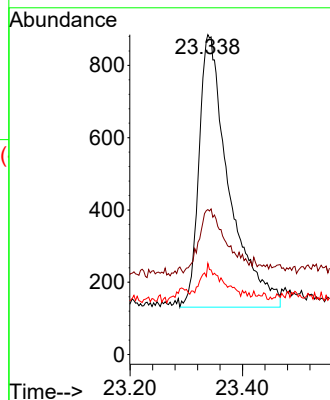
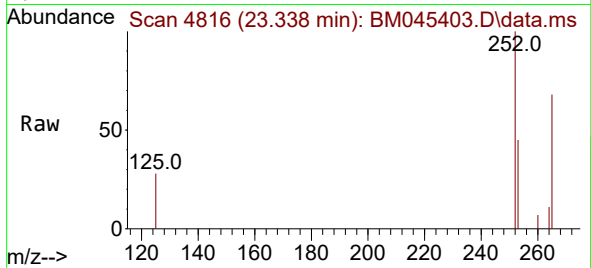
Tgt Ion:252 Resp: 2771

Ion Ratio Lower Upper

252 100

253 45.3 24.6 37.0#

125 28.5 18.2 27.4#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.413 ng/ul

RT: 25.642 min Scan# 5576

Delta R.T. 0.010 min

Lab File: BM045403.D

Acq: 19 Apr 2024 21:58

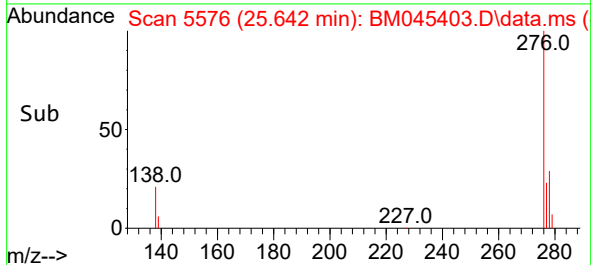
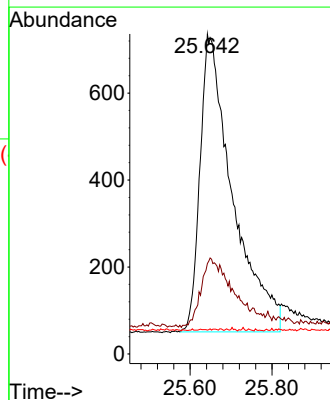
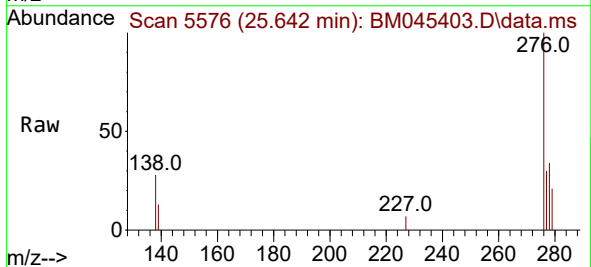
Tgt Ion:276 Resp: 3770

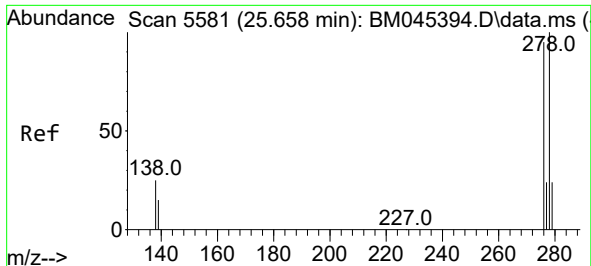
Ion Ratio Lower Upper

276 100

138 23.9 0.0 0.0#

227 0.0 0.1 0.1#

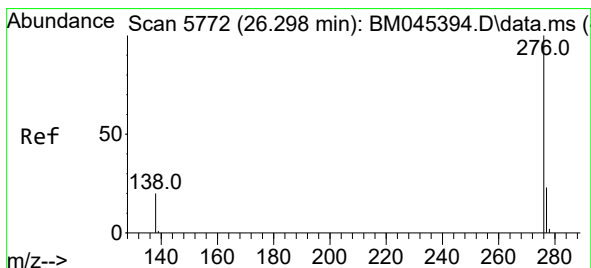
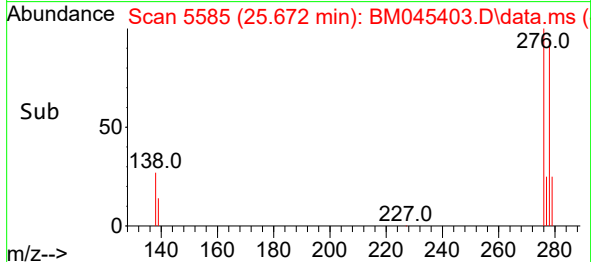
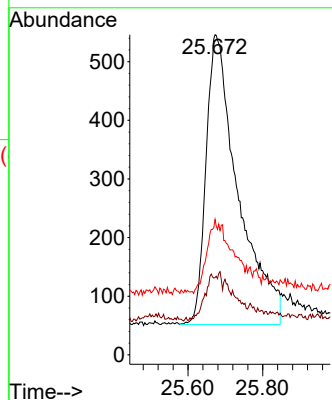
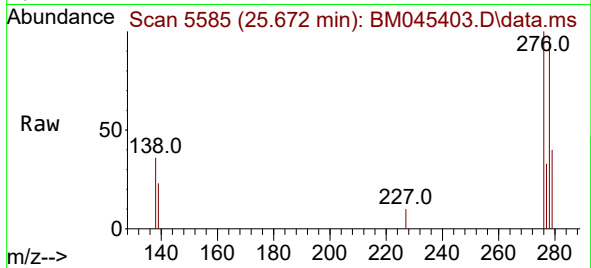




#28
 Dibenzo(a,h)anthracene
 Concen: 0.406 ng/ul
 RT: 25.672 min Scan# 5585
 Delta R.T. 0.013 min
 Lab File: BM045403.D
 Acq: 19 Apr 2024 21:58

Instrument :
 BNA_M
 ClientSampleId :
 SLCS226

Tgt Ion:278 Resp: 2939
 Ion Ratio Lower Upper
 278 100
 139 24.2 13.6 20.4#
 279 42.3 23.0 34.4#



#29
 Benzo(g,h,i)perylene
 Concen: 0.447 ng/ul
 RT: 26.299 min Scan# 5772
 Delta R.T. -0.003 min
 Lab File: BM045403.D
 Acq: 19 Apr 2024 21:58

Tgt Ion:276 Resp: 3523
 Ion Ratio Lower Upper
 276 100
 138 26.4 16.8 25.2#
 277 29.4 20.3 30.5

