

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041824\
 Data File : BM045411.D
 Acq On : 20 Apr 2024 02:49
 Operator : MA/JU
 Sample : PB160224BS
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS224

Quant Time: Apr 20 03:36:14 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)

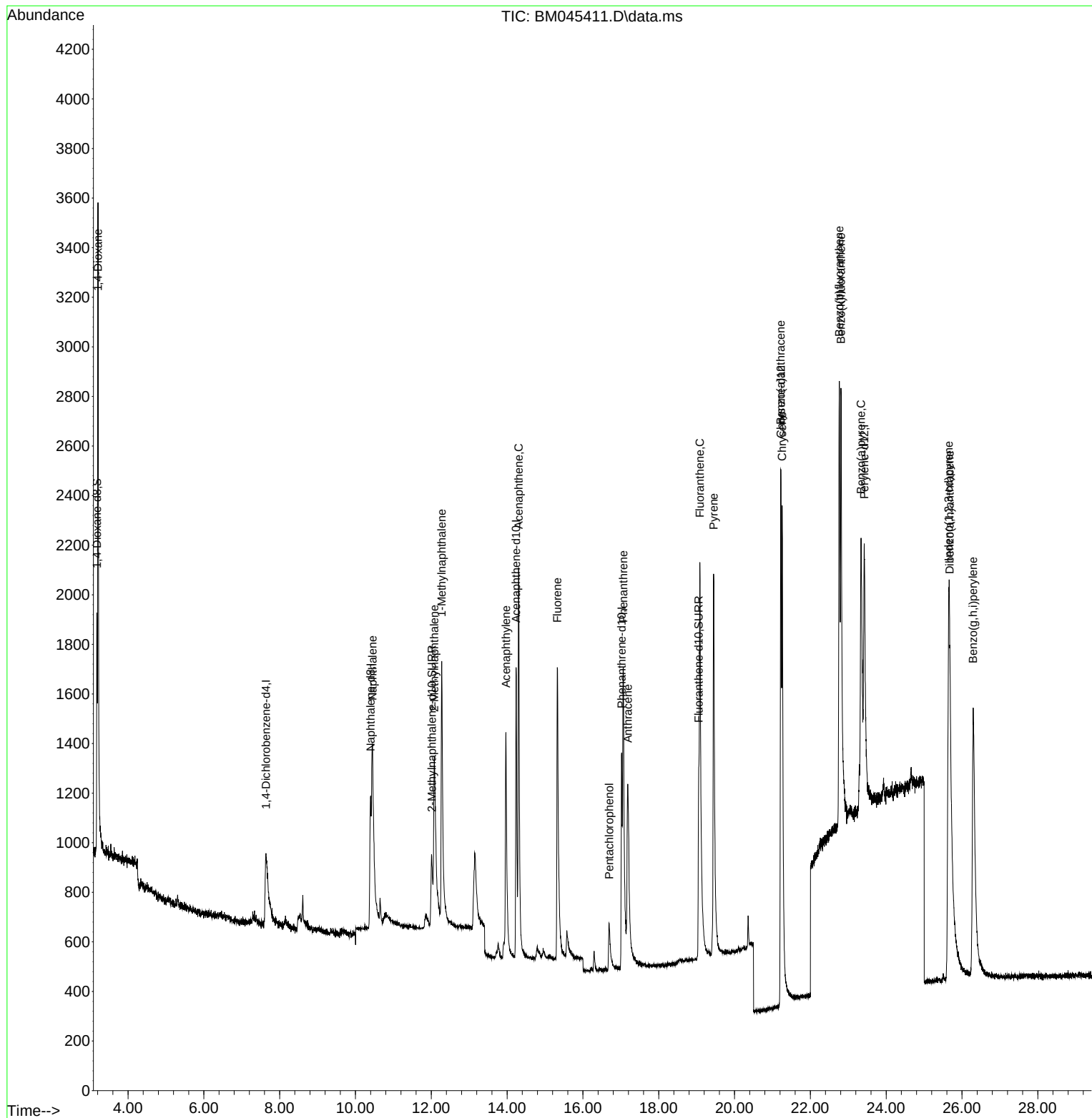
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.639	152	624	0.400	ng/ul	# 0.03
4) Naphthalene-d8	10.402	136	1843	0.400	ng/ul	# 0.02
9) Acenaphthene-d10	14.238	164	940	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.023	188	1829	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.224	240	1374	0.400	ng/ul	# 0.00
23) Perylene-d12	23.422	264	1931	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.179	96	724	0.883	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.013	152	957	0.383	ng/ul	0.02
18) Fluoranthene-d10	19.053	212	1614	0.465	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.209	88	1975	2.513	ng/ul#	85
5) Naphthalene	10.451	128	1967	0.402	ng/ul#	85
7) 2-Methylnaphthalene	12.079	142	1076	0.369	ng/ul	94
8) 1-Methylnaphthalene	12.277	142	1207	0.379	ng/ul	99
10) Acenaphthylene	13.970	152	1834	0.391	ng/ul#	90
11) Acenaphthene	14.307	153	1363	0.406	ng/ul	96
12) Fluorene	15.325	166	1445	0.384	ng/ul#	94
14) Pentachlorophenol	16.693	266	301	0.702	ng/ul	98
15) Phenanthrene	17.065	178	2101	0.408	ng/ul#	94
16) Anthracene	17.187	178	2101	0.414	ng/ul#	87
19) Fluoranthene	19.085	202	2409	0.491	ng/ul#	87
20) Pyrene	19.448	202	2528	0.488	ng/ul#	90
21) Benzo(a)anthracene	21.218	228	1693	0.354	ng/ul#	90
22) Chrysene	21.256	228	2932	0.491	ng/ul	96
24) Benzo(b)fluoranthene	22.764	252	2681	0.384	ng/ul	94
25) Benzo(k)fluoranthene	22.808	252	3514	0.450	ng/ul#	90
26) Benzo(a)pyrene	23.337	252	2832	0.425	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	25.648	276	3936	0.431	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.674	278	3023	0.418	ng/ul#	80
29) Benzo(g,h,i)perylene	26.295	276	3735	0.475	ng/ul#	90

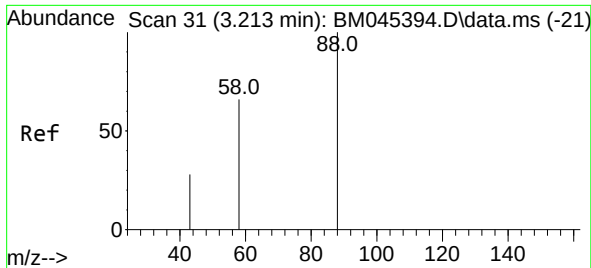
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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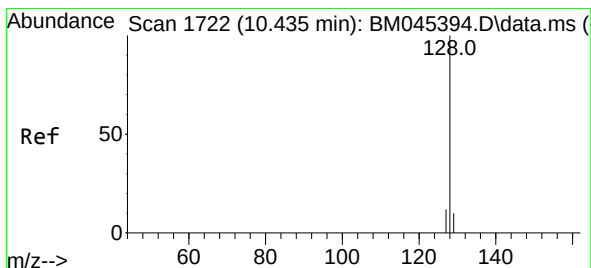
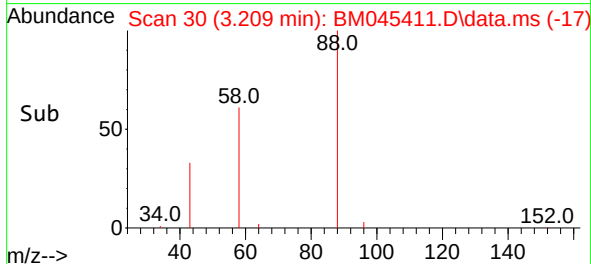
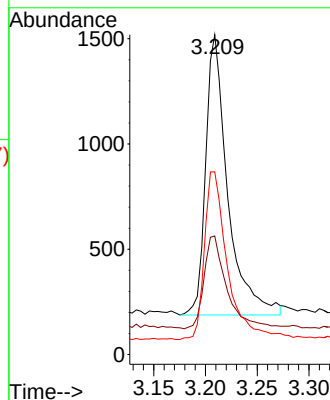
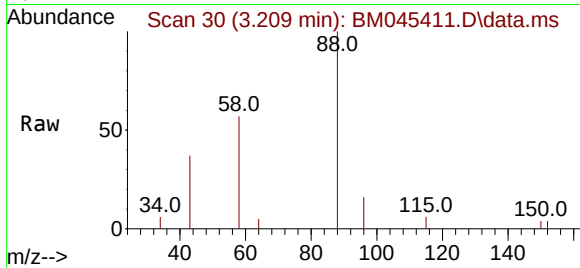




#2
1,4-Dioxane
Concen: 2.513 ng/ul
RT: 3.209 min Scan# 30
Delta R.T. -0.004 min
Lab File: BM045411.D
Acq: 20 Apr 2024 02:49

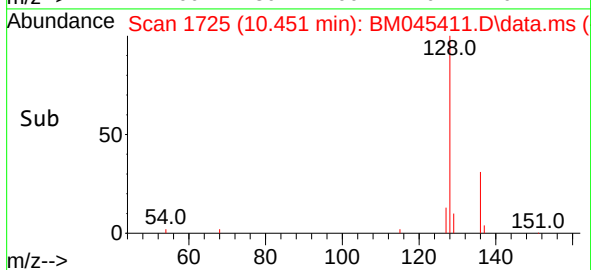
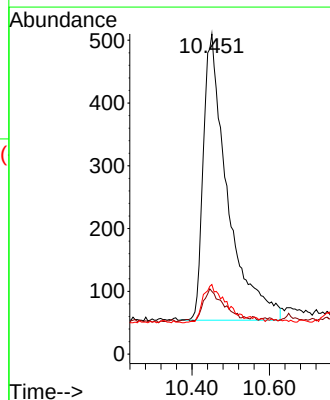
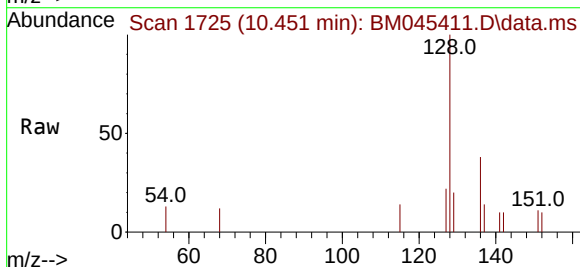
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BNA_M
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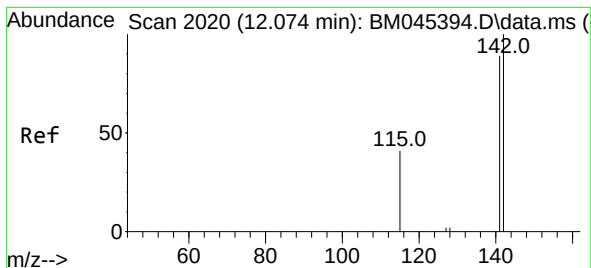
Tgt Ion: 88 Resp: 1975
Ion Ratio Lower Upper
88 100
43 37.1 30.6 46.0
58 57.1 32.6 48.8#



#5
Naphthalene
Concen: 0.402 ng/ul
RT: 10.451 min Scan# 1725
Delta R.T. 0.011 min
Lab File: BM045411.D
Acq: 20 Apr 2024 02:49

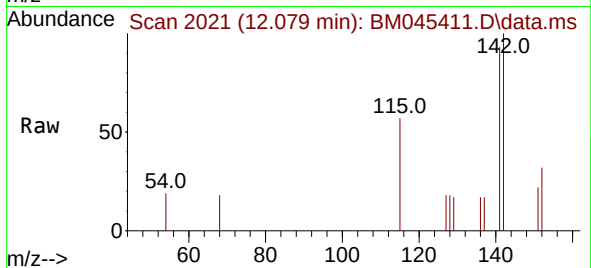
Tgt Ion: 128 Resp: 1967
Ion Ratio Lower Upper
128 100
129 19.6 11.3 16.9#
127 21.8 11.9 17.9#



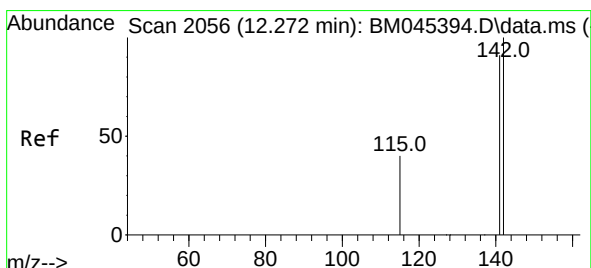
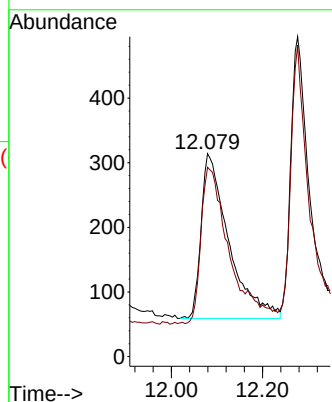
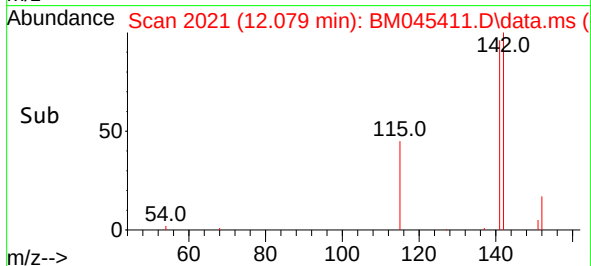


#7
2-Methylnaphthalene
Concen: 0.369 ng/ul
RT: 12.079 min Scan# 2021
Delta R.T. 0.011 min
Lab File: BM045411.D
Acq: 20 Apr 2024 02:49

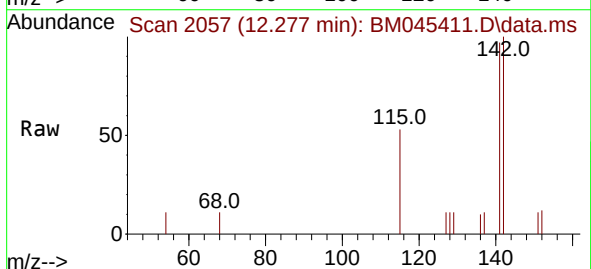
Instrument :
BNA_M
ClientSampleId :
SLCS224



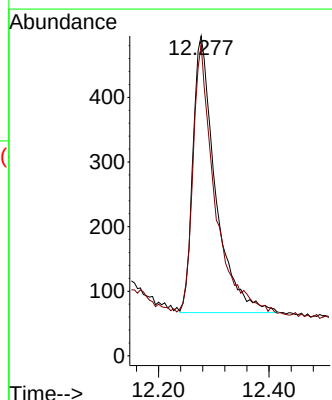
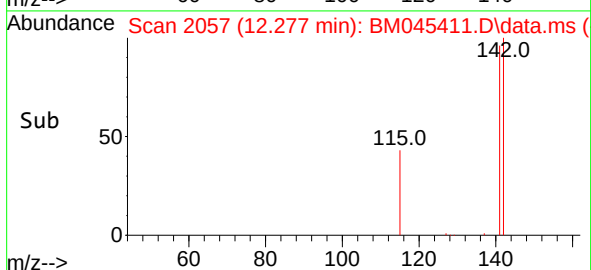
Tgt Ion:142 Resp: 1076
Ion Ratio Lower Upper
142 100
141 98.2 73.8 110.8

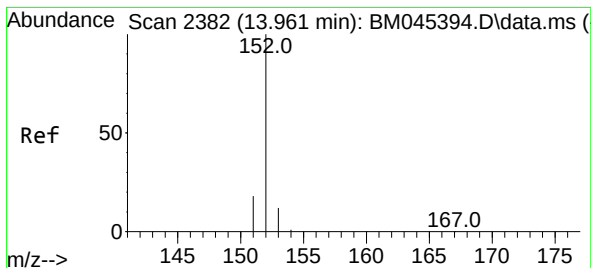


#8
1-Methylnaphthalene
Concen: 0.379 ng/ul
RT: 12.277 min Scan# 2057
Delta R.T. 0.005 min
Lab File: BM045411.D
Acq: 20 Apr 2024 02:49



Tgt Ion:142 Resp: 1207
Ion Ratio Lower Upper
142 100
141 94.0 74.2 111.2





#10

Acenaphthylene

Concen: 0.391 ng/ul

RT: 13.970 min Scan# 21

Delta R.T. 0.005 min

Lab File: BM045411.D

Acq: 20 Apr 2024 02:49

Instrument :

BNA_M

ClientSampleId :

SLCS224

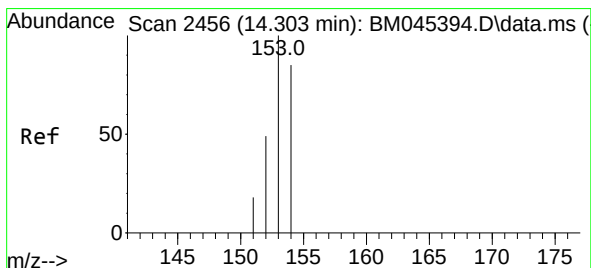
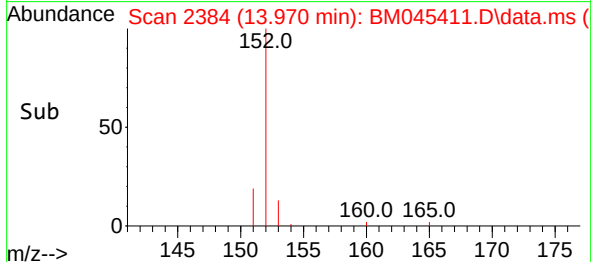
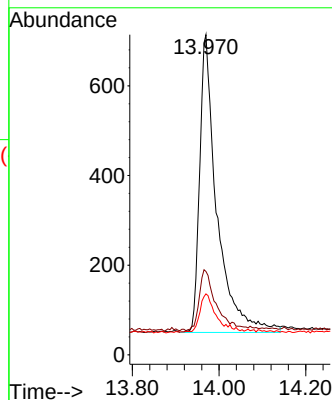
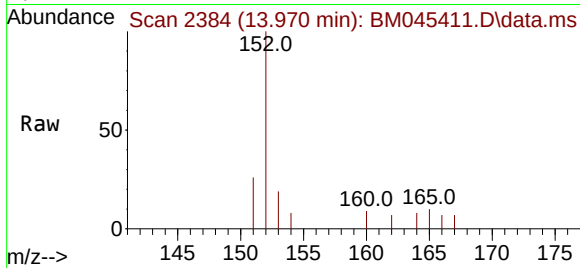
Tgt Ion:152 Resp: 1834

Ion Ratio Lower Upper

152 100

151 26.1 17.0 25.4#

153 19.0 11.9 17.9#



#11

Acenaphthene

Concen: 0.406 ng/ul

RT: 14.307 min Scan# 2457

Delta R.T. 0.005 min

Lab File: BM045411.D

Acq: 20 Apr 2024 02:49

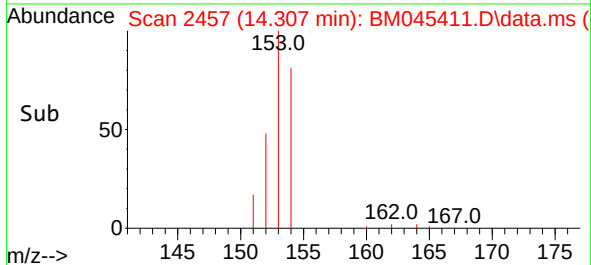
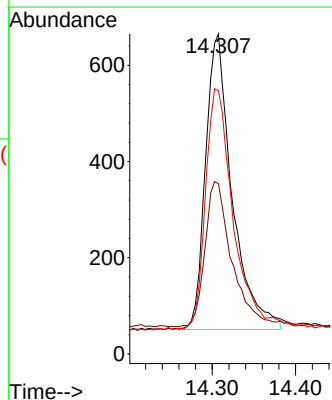
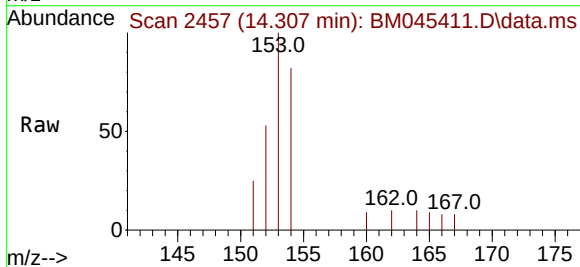
Tgt Ion:153 Resp: 1363

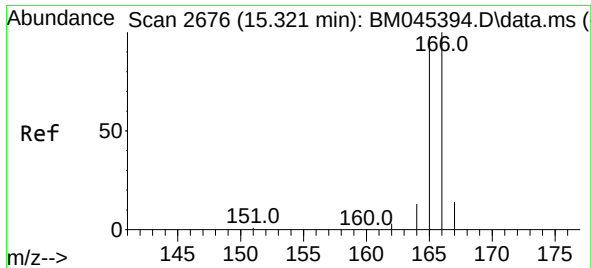
Ion Ratio Lower Upper

153 100

152 53.2 41.2 61.8

154 82.3 69.4 104.0

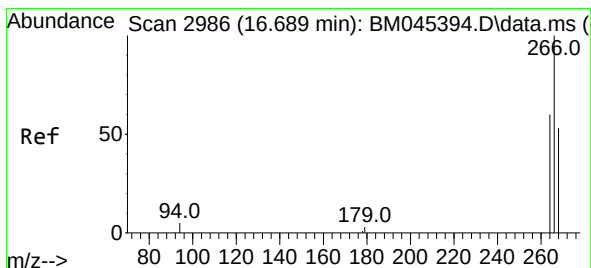
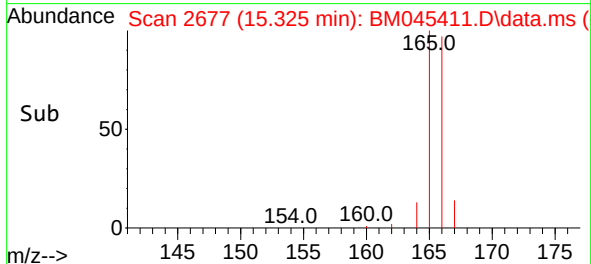
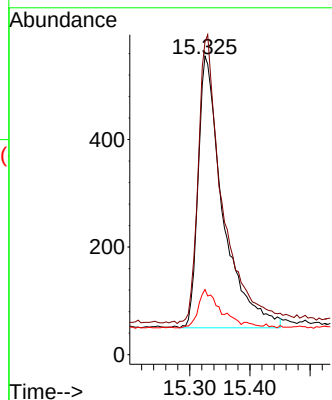
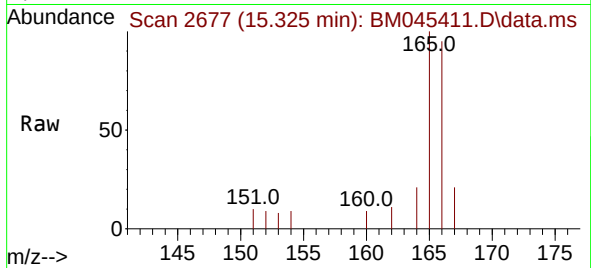




#12
 Fluorene
 Concen: 0.384 ng/ul
 RT: 15.325 min Scan# 20
 Delta R.T. 0.001 min
 Lab File: BM045411.D
 Acq: 20 Apr 2024 02:49

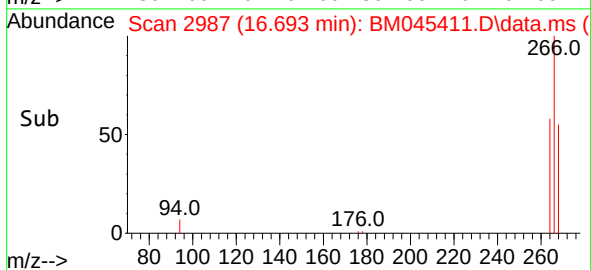
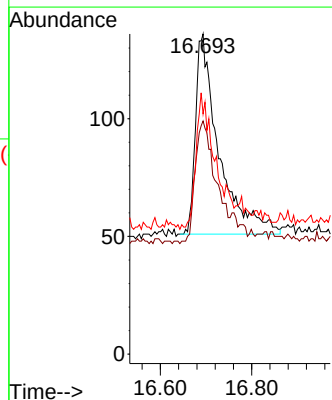
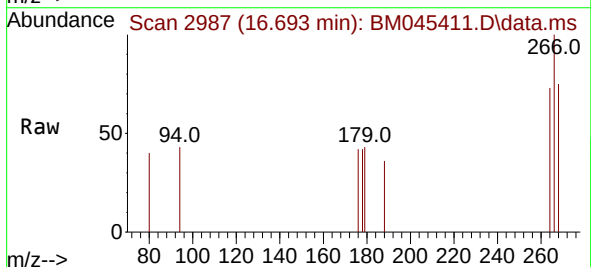
Instrument :
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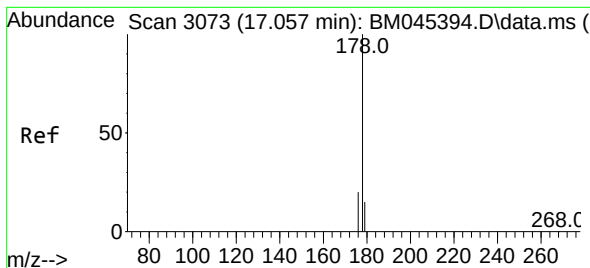
Tgt Ion:166 Resp: 1445
 Ion Ratio Lower Upper
 166 100
 165 104.9 79.9 119.9
 167 21.8 12.2 18.2#



#14
 Pentachlorophenol
 Concen: 0.702 ng/ul
 RT: 16.693 min Scan# 2987
 Delta R.T. 0.005 min
 Lab File: BM045411.D
 Acq: 20 Apr 2024 02:49

Tgt Ion:266 Resp: 301
 Ion Ratio Lower Upper
 266 100
 264 61.5 48.3 72.5
 268 64.5 52.6 79.0





#15

Phenanthrene

Concen: 0.408 ng/ul

RT: 17.065 min Scan# 3104

Delta R.T. 0.005 min

Lab File: BM045411.D

Acq: 20 Apr 2024 02:49

Instrument :

BNA_M

ClientSampleId :

SLCS224

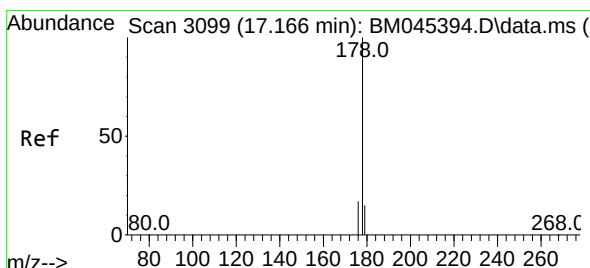
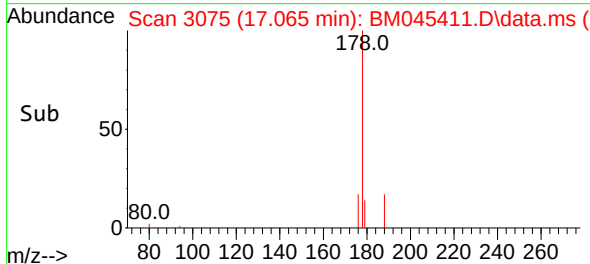
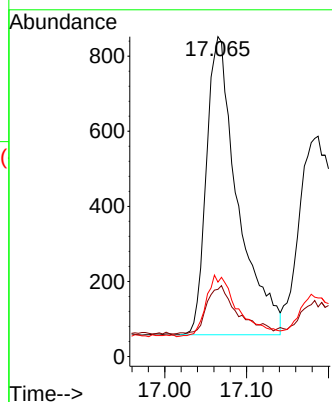
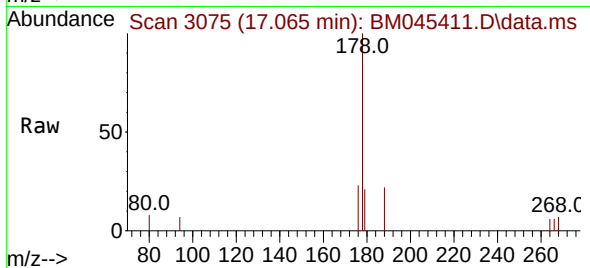
Tgt Ion:178 Resp: 2101

Ion Ratio Lower Upper

178 100

179 21.0 13.7 20.5#

176 23.2 17.0 25.4



#16

Anthracene

Concen: 0.414 ng/ul

RT: 17.187 min Scan# 3104

Delta R.T. 0.018 min

Lab File: BM045411.D

Acq: 20 Apr 2024 02:49

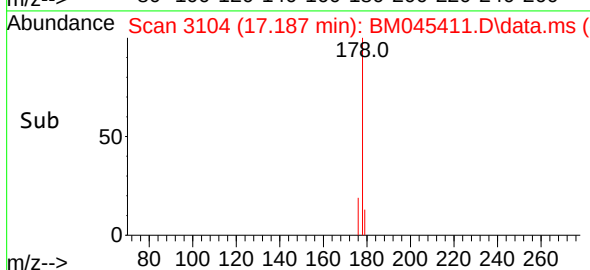
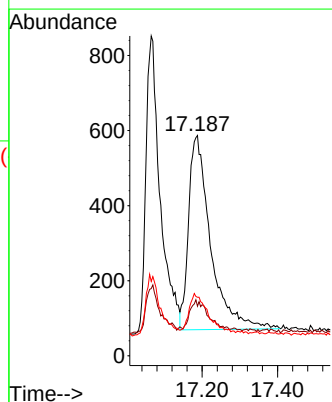
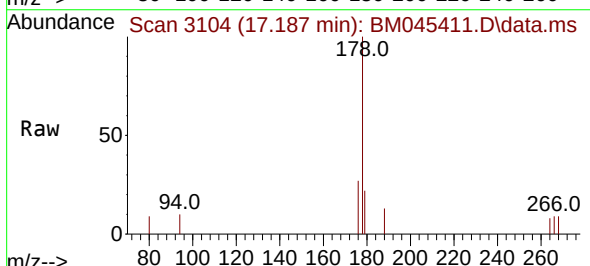
Tgt Ion:178 Resp: 2101

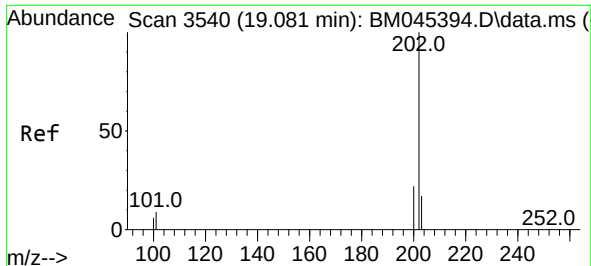
Ion Ratio Lower Upper

178 100

179 22.5 13.8 20.8#

176 26.6 16.2 24.4#

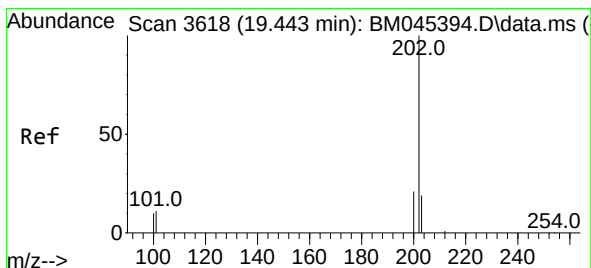
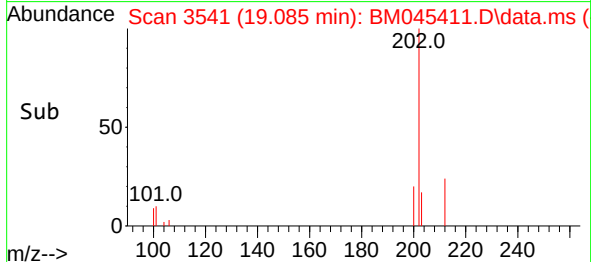
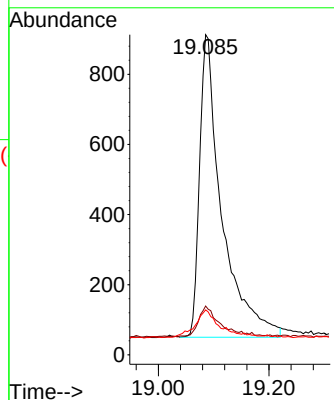
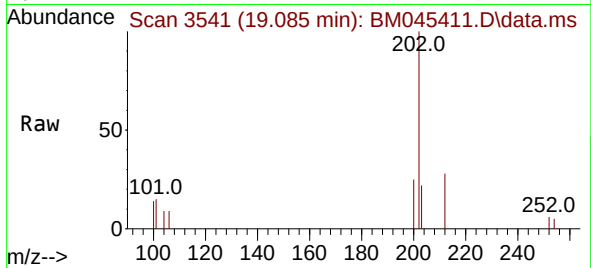




#19
Fluoranthene
Concen: 0.491 ng/ul
RT: 19.085 min Scan# 3541
Delta R.T. 0.001 min
Lab File: BM045411.D
Acq: 20 Apr 2024 02:49

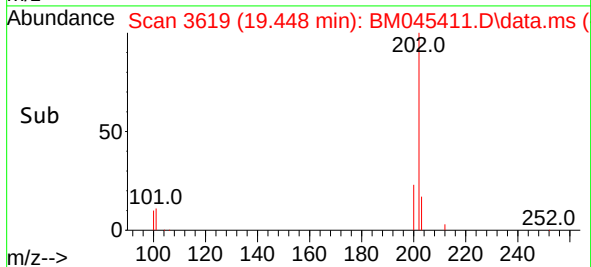
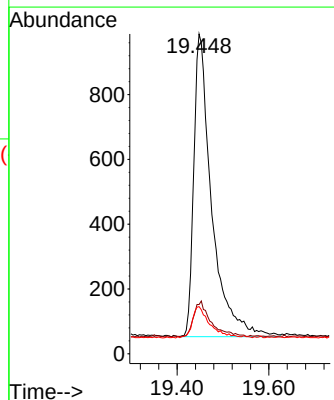
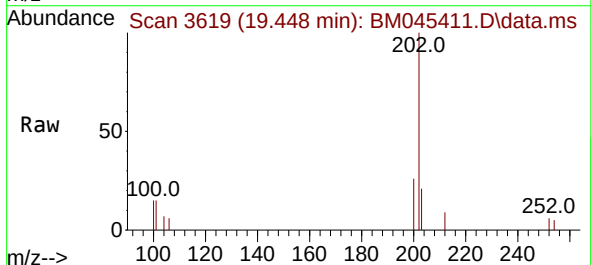
Instrument :
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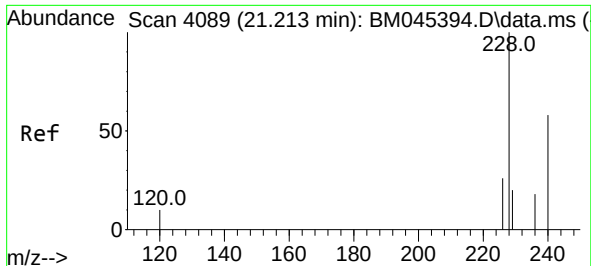
Tgt Ion:202 Resp: 2409
Ion Ratio Lower Upper
202 100
101 15.2 8.8 13.2#
100 14.0 7.0 10.4#



#20
Pyrene
Concen: 0.488 ng/ul
RT: 19.448 min Scan# 3619
Delta R.T. 0.001 min
Lab File: BM045411.D
Acq: 20 Apr 2024 02:49

Tgt Ion:202 Resp: 2528
Ion Ratio Lower Upper
202 100
101 15.4 9.8 14.6#
100 14.8 8.1 12.1#

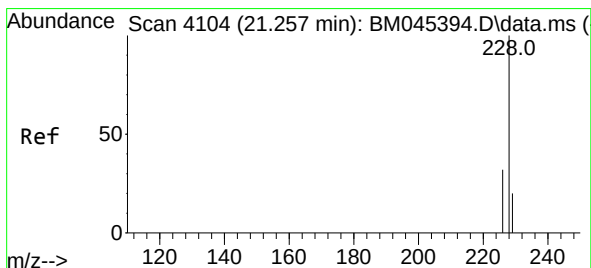
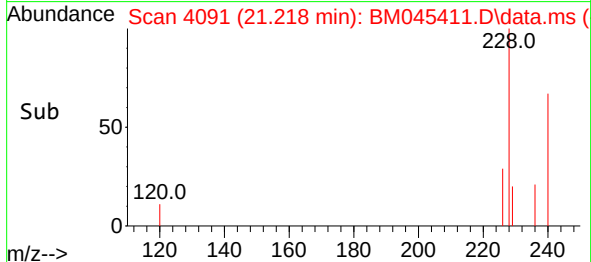
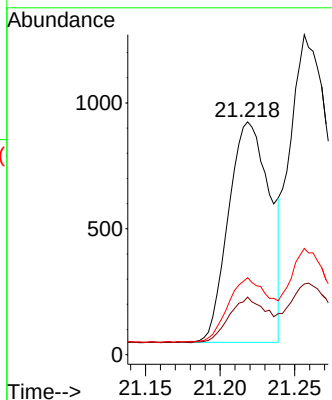
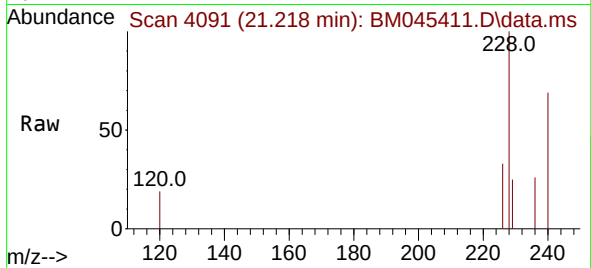




#21
Benzo(a)anthracene
Concen: 0.354 ng/ul
RT: 21.218 min Scan# 4089
Delta R.T. 0.008 min
Lab File: BM045411.D
Acq: 20 Apr 2024 02:49

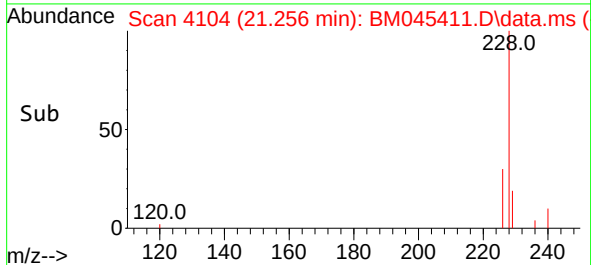
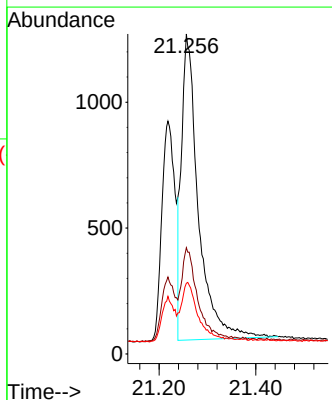
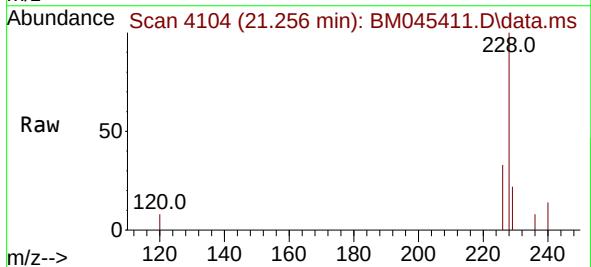
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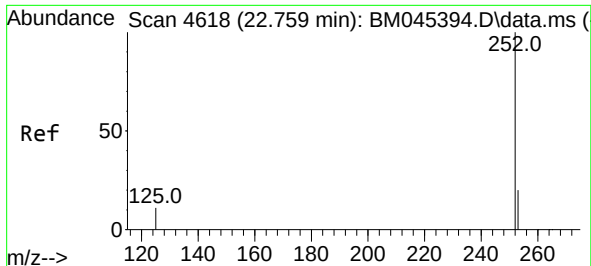
Tgt Ion:228 Resp: 1693
Ion Ratio Lower Upper
228 100
229 24.8 16.4 24.6#
226 33.1 22.3 33.5



#22
Chrysene
Concen: 0.491 ng/ul
RT: 21.256 min Scan# 4104
Delta R.T. 0.002 min
Lab File: BM045411.D
Acq: 20 Apr 2024 02:49

Tgt Ion:228 Resp: 2932
Ion Ratio Lower Upper
228 100
226 33.2 24.9 37.3
229 22.1 15.9 23.9

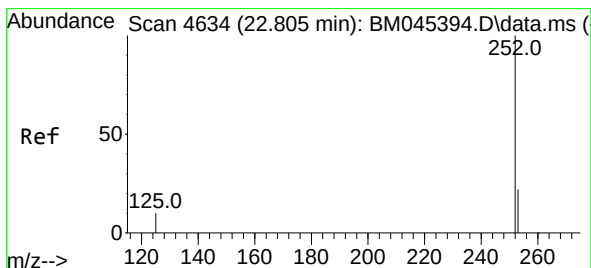
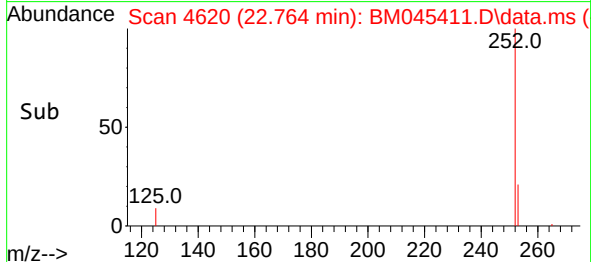
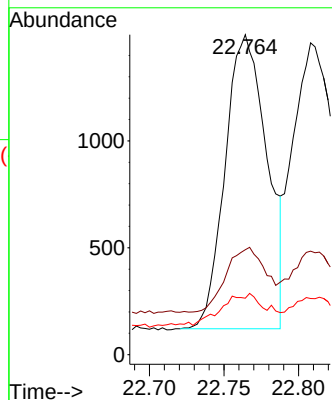
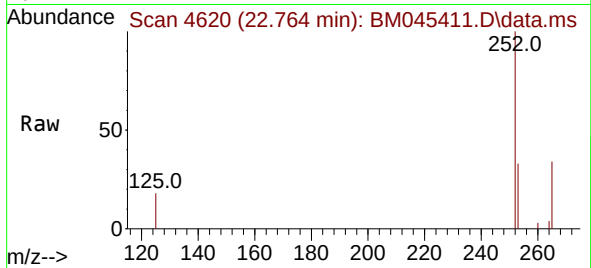




#24
Benzo(b)fluoranthene
Concen: 0.384 ng/ul
RT: 22.764 min Scan# 4620
Delta R.T. 0.002 min
Lab File: BM045411.D
Acq: 20 Apr 2024 02:49

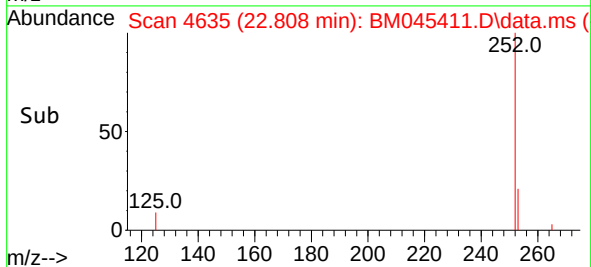
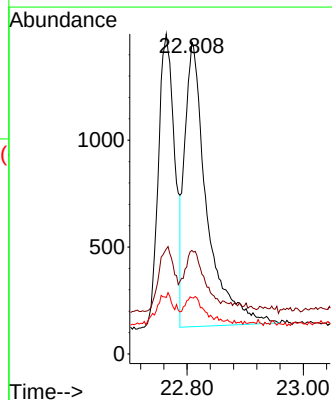
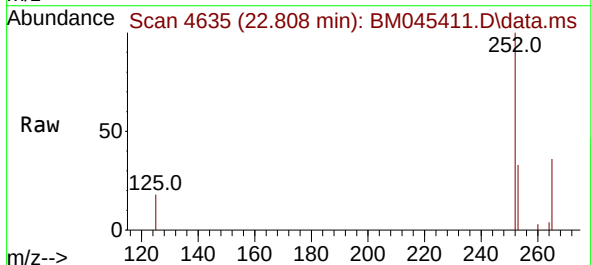
Instrument :
BNA_M
ClientSampleId :
SLCS224

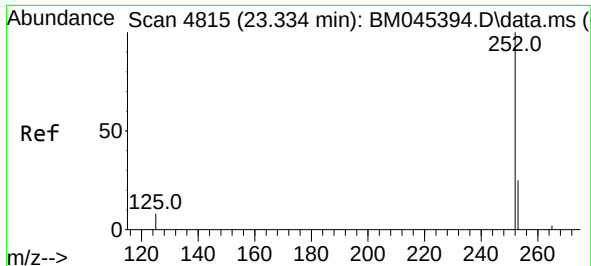
Tgt Ion:252 Resp: 2681
Ion Ratio Lower Upper
252 100
253 32.8 0.0 56.4
125 17.6 0.0 33.4



#25
Benzo(k)fluoranthene
Concen: 0.450 ng/ul
RT: 22.808 min Scan# 4635
Delta R.T. 0.002 min
Lab File: BM045411.D
Acq: 20 Apr 2024 02:49

Tgt Ion:252 Resp: 3514
Ion Ratio Lower Upper
252 100
253 33.2 22.3 33.5
125 18.0 11.6 17.4#

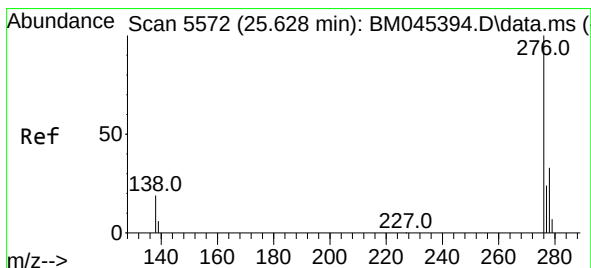
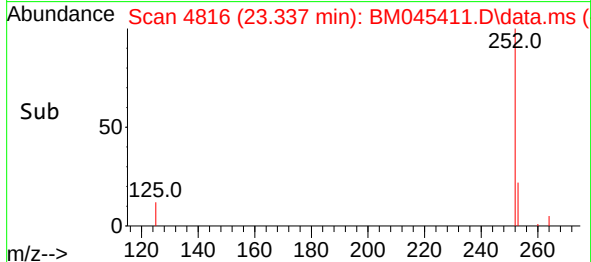
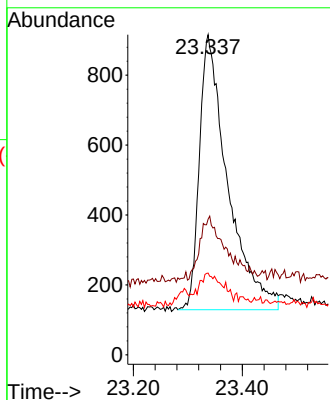
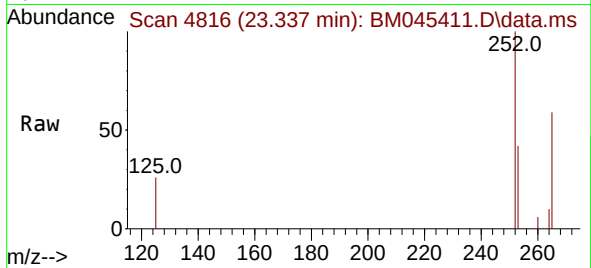




#26
Benzo(a)pyrene
Concen: 0.425 ng/ul
RT: 23.337 min Scan# 4815
Delta R.T. 0.005 min
Lab File: BM045411.D
Acq: 20 Apr 2024 02:49

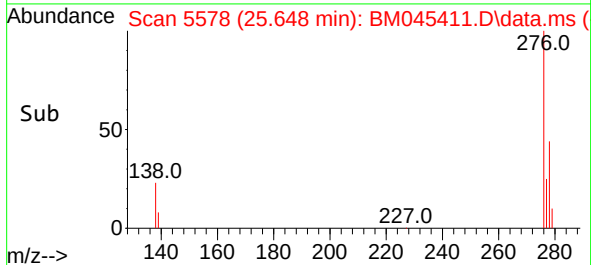
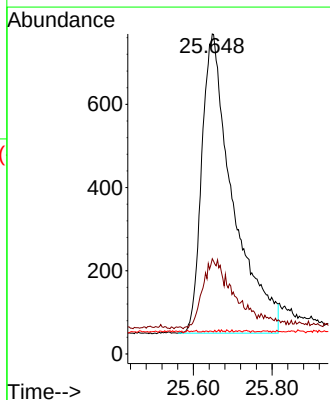
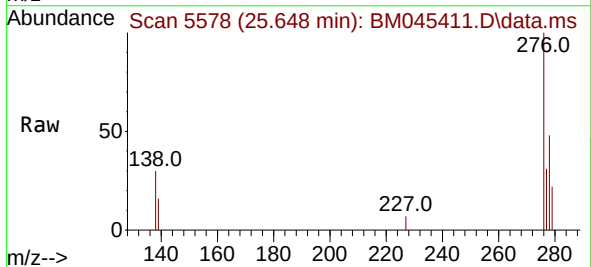
Instrument :
BNA_M
ClientSampleId :
SLCS224

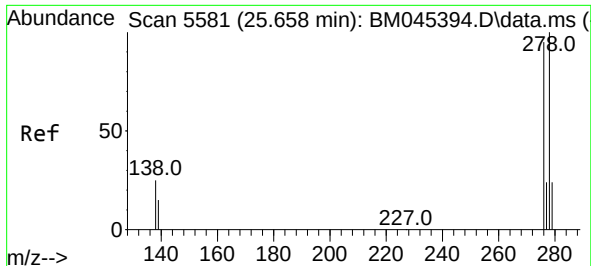
Tgt Ion:252 Resp: 2832
Ion Ratio Lower Upper
252 100
253 42.4 24.6 37.0#
125 25.5 18.2 27.4



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.431 ng/ul
RT: 25.648 min Scan# 5578
Delta R.T. 0.016 min
Lab File: BM045411.D
Acq: 20 Apr 2024 02:49

Tgt Ion:276 Resp: 3936
Ion Ratio Lower Upper
276 100
138 25.0 0.0 0.0#
227 0.0 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.418 ng/ul

RT: 25.674 min Scan# 5

Delta R.T. 0.016 min

Lab File: BM045411.D

Acq: 20 Apr 2024 02:49

Instrument :

BNA_M

ClientSampleId :

SLCS224

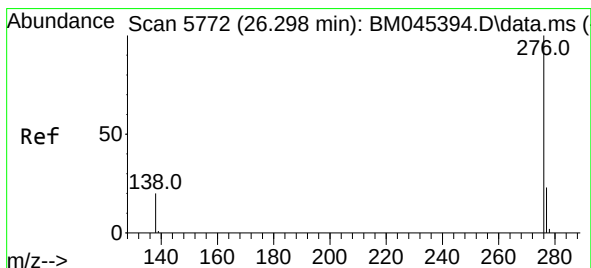
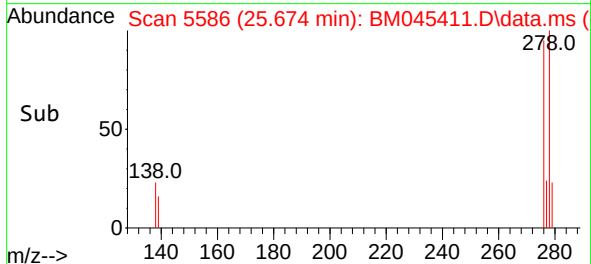
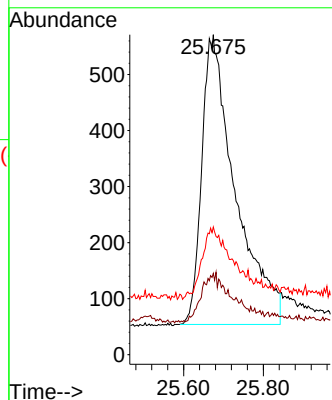
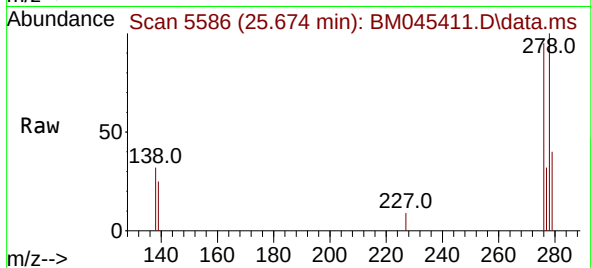
Tgt Ion:278 Resp: 3023

Ion Ratio Lower Upper

278 100

139 25.4 13.6 20.4#

279 39.9 23.0 34.4#



#29

Benzo(g,h,i)perylene

Concen: 0.475 ng/ul

RT: 26.295 min Scan# 5771

Delta R.T. -0.008 min

Lab File: BM045411.D

Acq: 20 Apr 2024 02:49

Tgt Ion:276 Resp: 3735

Ion Ratio Lower Upper

276 100

138 27.2 16.8 25.2#

277 29.4 20.3 30.5

