

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041324\
 Data File : BM045237.D
 Acq On : 14 Apr 2024 11:04
 Operator : MA/JU
 Sample : PB160207BS
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS207

Quant Time: Apr 15 00:39:46 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 : Mon Apr 15 00:32:25 2024
 Response via : Initial Calibration

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

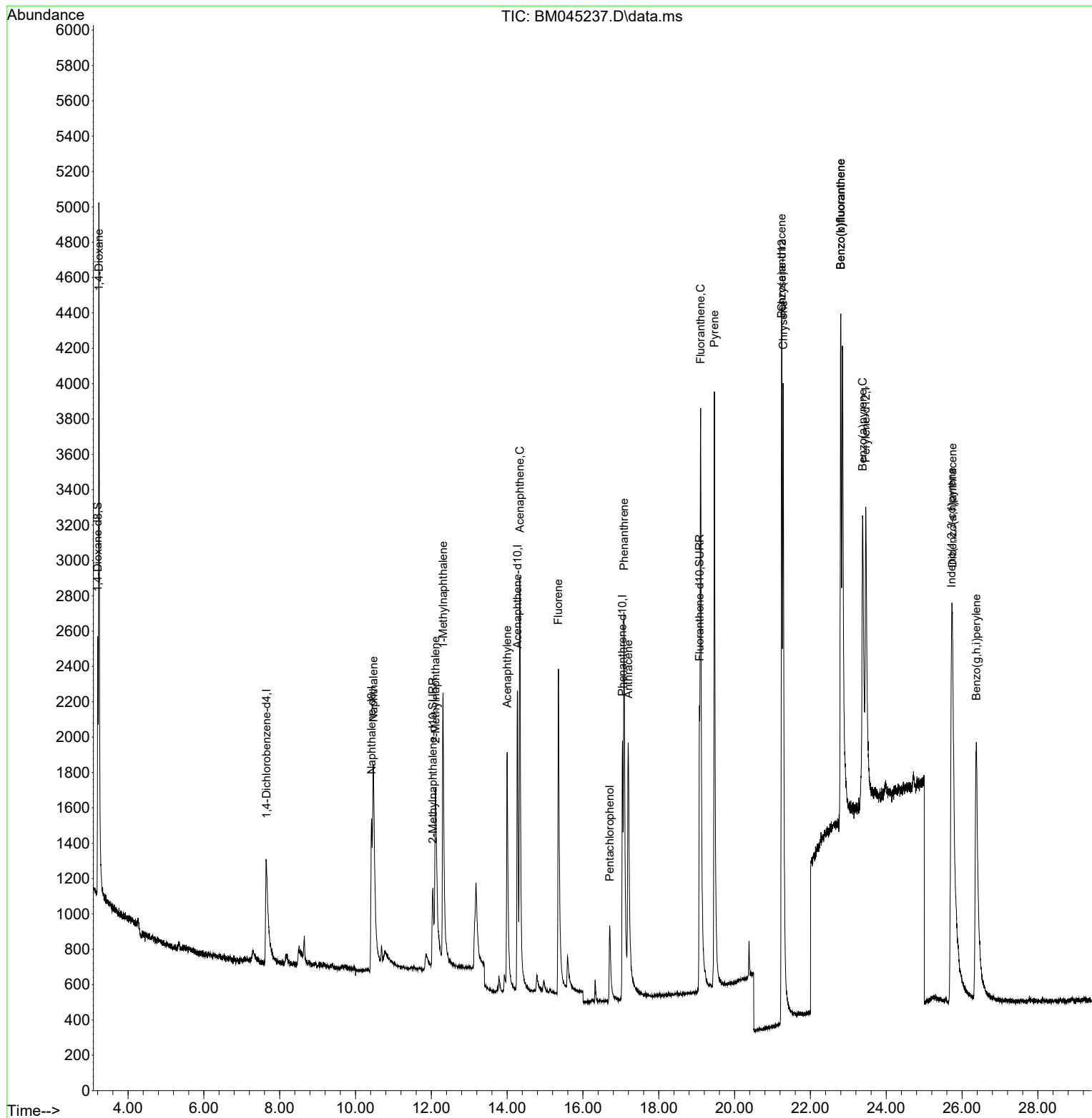
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	954	0.400	ng/ul	0.04
4) Naphthalene-d8	10.424	136	2847	0.400	ng/ul #	0.03
9) Acenaphthene-d10	14.274	164	1396	0.400	ng/ul	0.01
13) Phenanthrene-d10	17.043	188	3226	0.400	ng/ul #	0.01
17) Chrysene-d12	21.249	240	2565	0.400	ng/ul #	0.00
23) Perylene-d12	23.461	264	3083	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	1063	0.848	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.041	152	1364	0.353	ng/ul	0.04
18) Fluoranthene-d10	19.075	212	2935	0.453	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.234	88	3021	2.515	ng/ul#	82
5) Naphthalene	10.473	128	2918	0.386	ng/ul#	91
7) 2-Methylnaphthalene	12.112	142	1635	0.362	ng/ul	98
8) 1-Methylnaphthalene	12.310	142	1780	0.361	ng/ul	98
10) Acenaphthylene	14.001	152	2795	0.401	ng/ul#	92
11) Acenaphthene	14.334	153	2074	0.416	ng/ul	98
12) Fluorene	15.352	166	2177	0.390	ng/ul#	98
14) Pentachlorophenol	16.705	266	580	0.767	ng/ul	97
15) Phenanthrene	17.085	178	3473	0.382	ng/ul	97
16) Anthracene	17.195	178	3458	0.387	ng/ul	93
19) Fluoranthene	19.103	202	4291	0.468	ng/ul#	94
20) Pyrene	19.466	202	4572	0.472	ng/ul#	95
21) Benzo(a)anthracene	21.240	228	3298	0.369	ng/ul	97
22) Chrysene	21.284	228	4874	0.437	ng/ul	97
24) Benzo(b)fluoranthene	22.800	252	4396	0.395	ng/ul	96
25) Benzo(k)fluoranthene	22.800	252	4396	0.353	ng/ul	94
26) Benzo(a)pyrene	23.376	252	4402	0.414	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	25.722	276	5686	0.390	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.746	278	4422	0.383	ng/ul#	87
29) Benzo(g,h,i)perylene	26.380	276	5162	0.411	ng/ul#	92

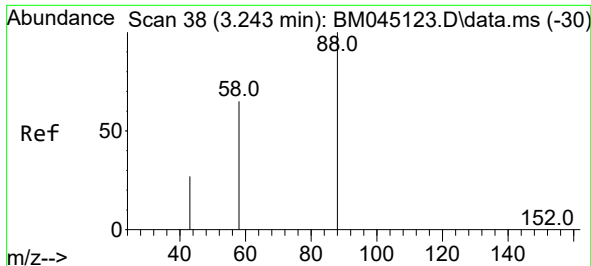
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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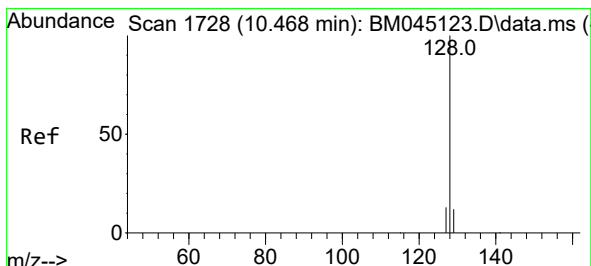
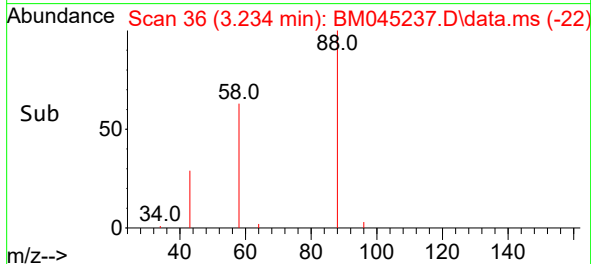
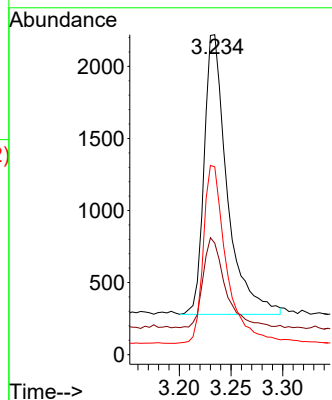
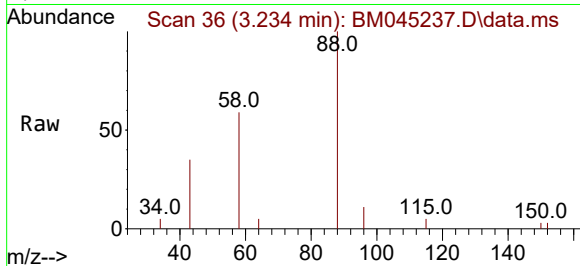




#2
1,4-Dioxane
Concen: 2.515 ng/ul
RT: 3.234 min Scan# 30
Delta R.T. -0.000 min
Lab File: BM045237.D
Acq: 14 Apr 2024 11:04

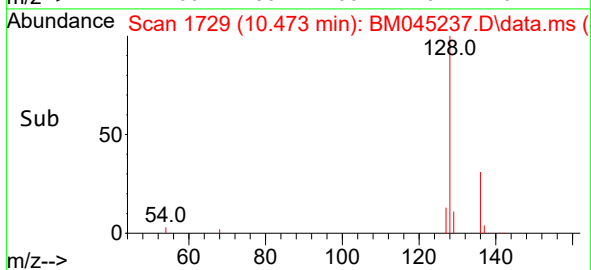
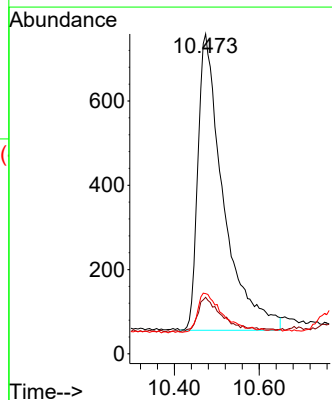
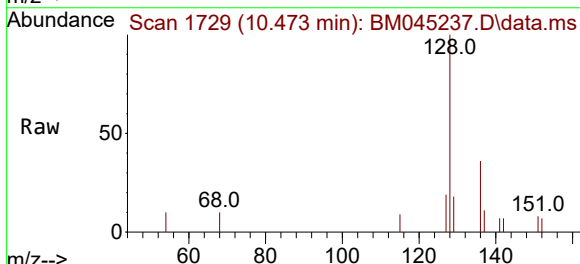
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BNA_M
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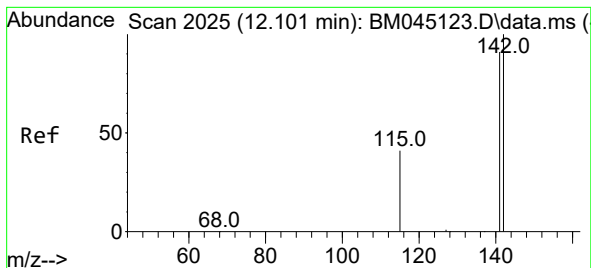
Tgt Ion: 88 Resp: 3021
Ion Ratio Lower Upper
88 100
43 34.9 30.6 46.0
58 58.7 32.6 48.8#



#5
Naphthalene
Concen: 0.386 ng/ul
RT: 10.473 min Scan# 1729
Delta R.T. 0.033 min
Lab File: BM045237.D
Acq: 14 Apr 2024 11:04

Tgt Ion:128 Resp: 2918
Ion Ratio Lower Upper
128 100
129 17.7 11.3 16.9#
127 18.8 11.9 17.9#





#7

2-Methylnaphthalene

Concen: 0.362 ng/ul

RT: 12.112 min Scan# 20

Delta R.T. 0.038 min

Lab File: BM045237.D

Acq: 14 Apr 2024 11:04

Instrument :

BNA_M

ClientSampleId :

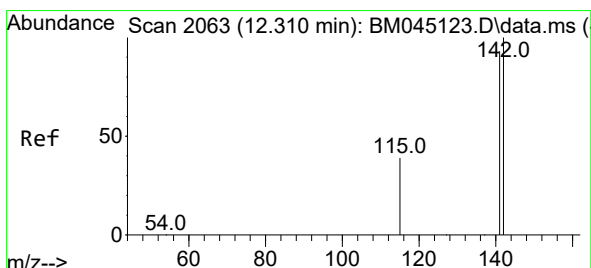
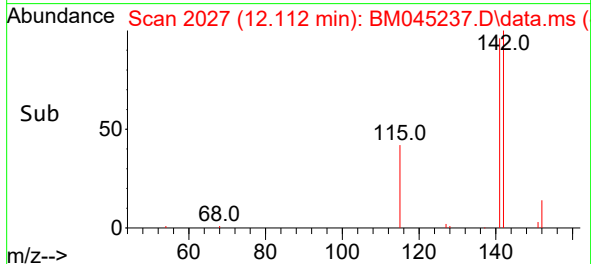
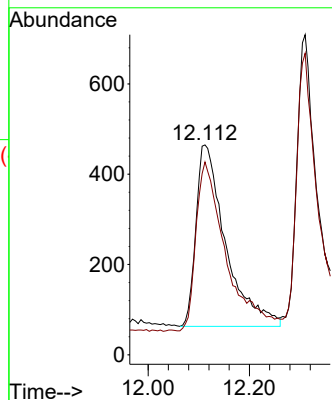
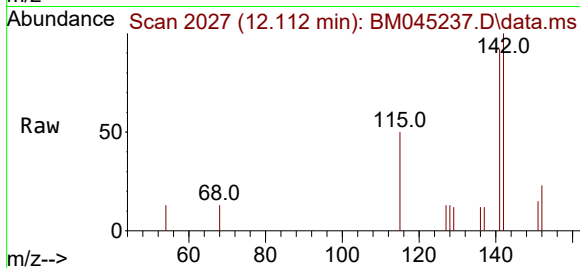
SLCS207

Tgt Ion:142 Resp: 1635

Ion Ratio Lower Upper

142 100

141 94.6 73.8 110.8



#8

1-Methylnaphthalene

Concen: 0.361 ng/ul

RT: 12.310 min Scan# 2063

Delta R.T. 0.022 min

Lab File: BM045237.D

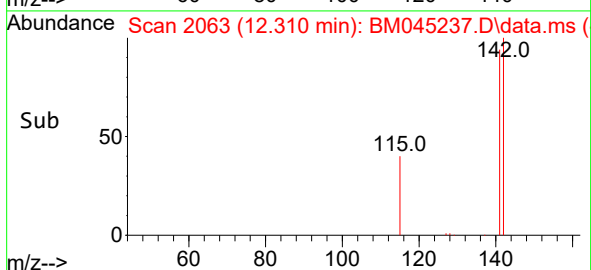
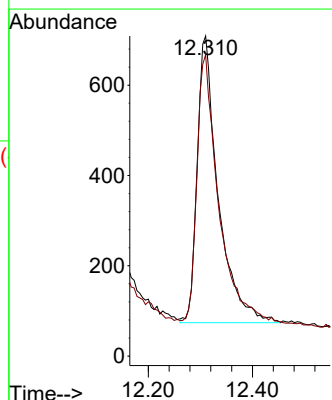
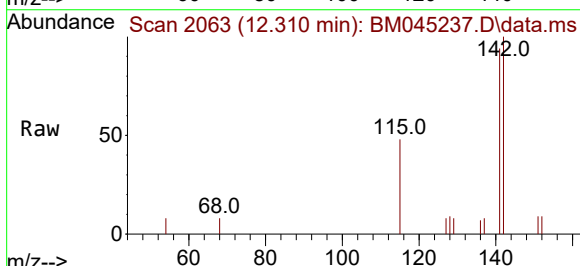
Acq: 14 Apr 2024 11:04

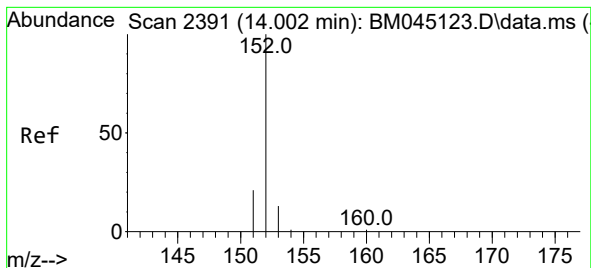
Tgt Ion:142 Resp: 1780

Ion Ratio Lower Upper

142 100

141 94.8 74.2 111.2





#10

Acenaphthylene

Concen: 0.401 ng/ul

RT: 14.001 min Scan# 21

Delta R.T. 0.018 min

Lab File: BM045237.D

Acq: 14 Apr 2024 11:04

Instrument :

BNA_M

ClientSampleId :

SLCS207

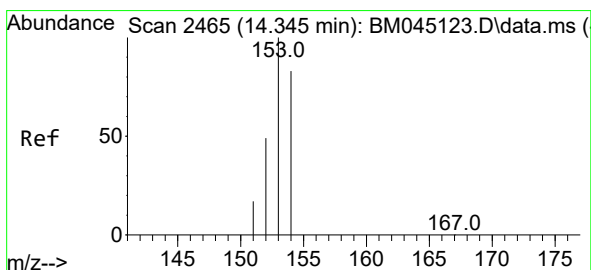
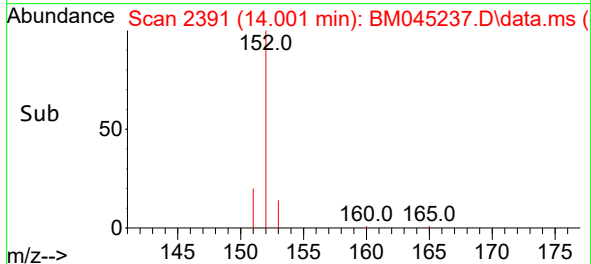
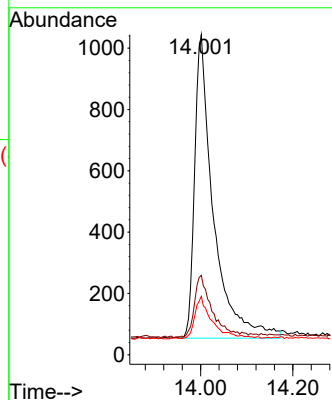
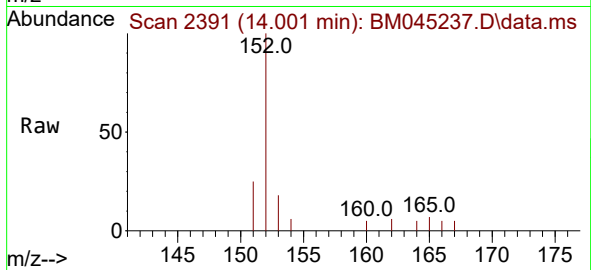
Tgt Ion:152 Resp: 2795

Ion Ratio Lower Upper

152 100

151 24.8 17.0 25.4

153 18.3 11.9 17.9#



#11

Acenaphthene

Concen: 0.416 ng/ul

RT: 14.334 min Scan# 2463

Delta R.T. 0.008 min

Lab File: BM045237.D

Acq: 14 Apr 2024 11:04

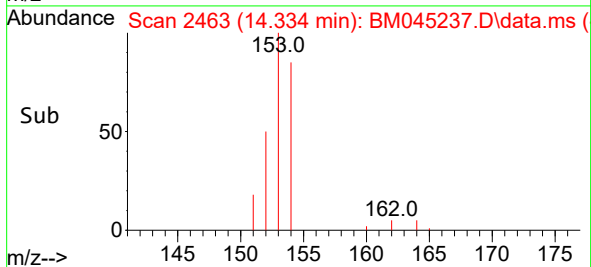
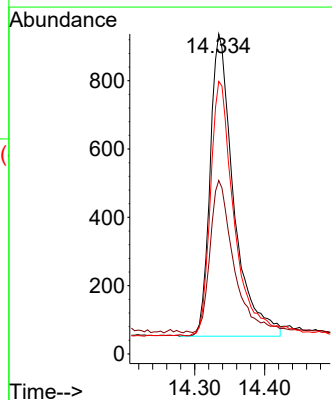
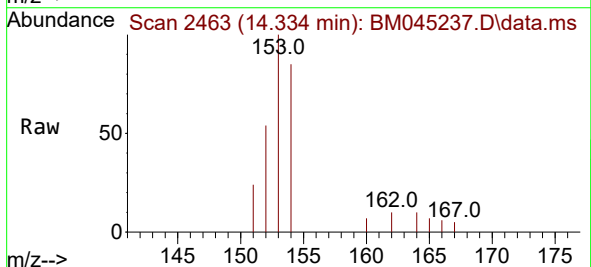
Tgt Ion:153 Resp: 2074

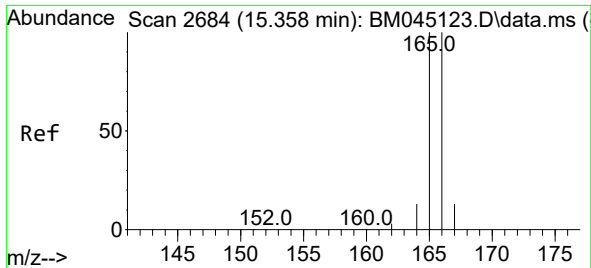
Ion Ratio Lower Upper

153 100

152 54.2 41.2 61.8

154 85.2 69.4 104.0

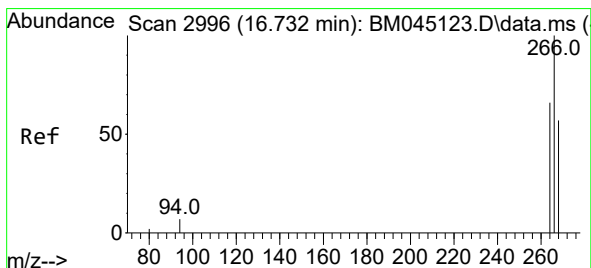
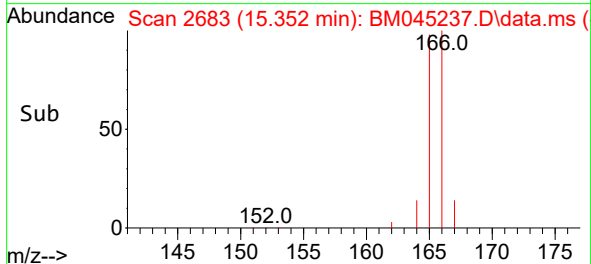
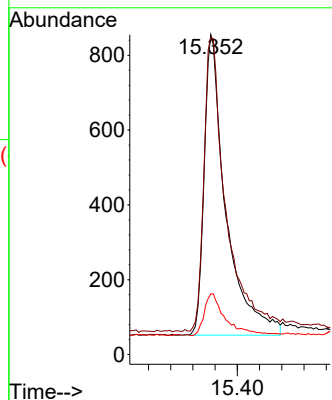
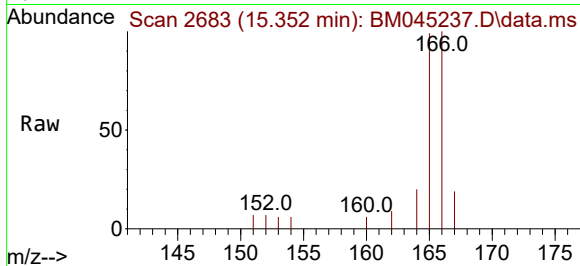




#12
Fluorene
Concen: 0.390 ng/ul
RT: 15.352 min Scan# 2177
Delta R.T. 0.022 min
Lab File: BM045237.D
Acq: 14 Apr 2024 11:04

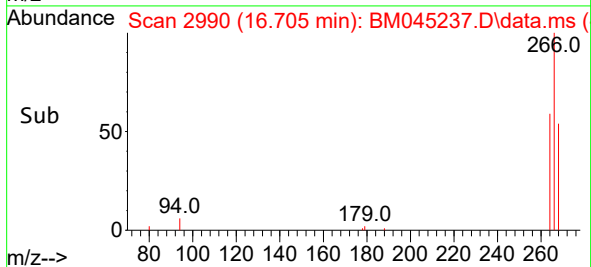
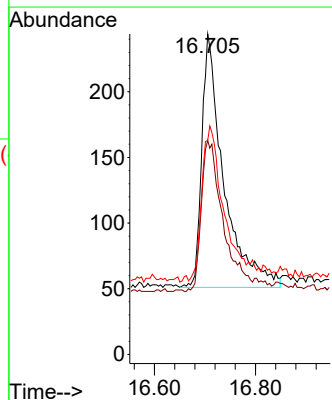
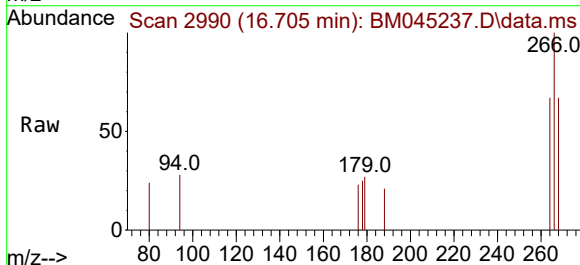
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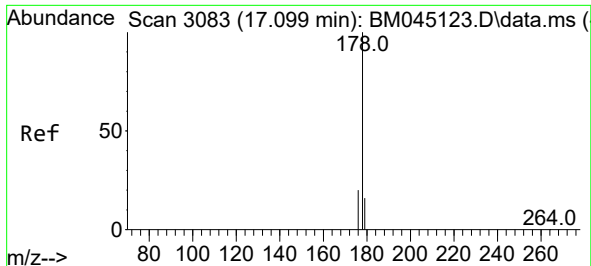
Tgt Ion:166 Resp: 2177
Ion Ratio Lower Upper
166 100
165 99.2 79.9 119.9
167 18.9 12.2 18.2#



#14
Pentachlorophenol
Concen: 0.767 ng/ul
RT: 16.705 min Scan# 2990
Delta R.T. 0.008 min
Lab File: BM045237.D
Acq: 14 Apr 2024 11:04

Tgt Ion:266 Resp: 580
Ion Ratio Lower Upper
266 100
264 58.8 48.3 72.5
268 62.8 52.6 79.0

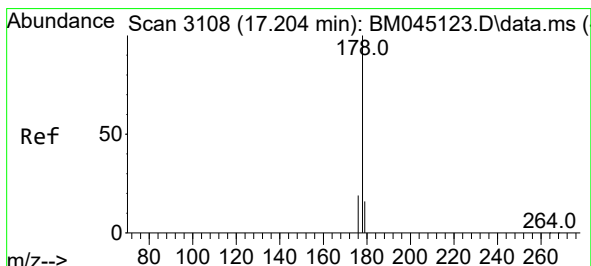
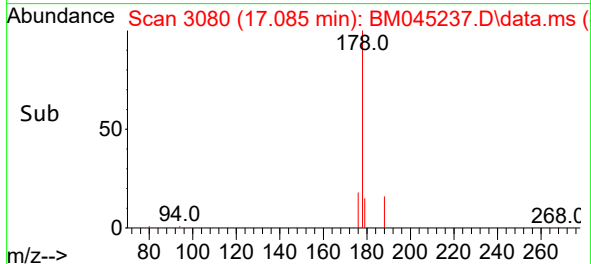
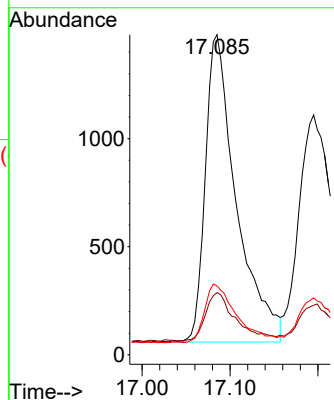
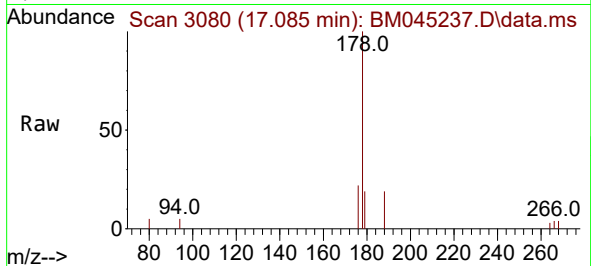




#15
Phenanthrene
Concen: 0.382 ng/ul
RT: 17.085 min Scan# 3080
Delta R.T. 0.012 min
Lab File: BM045237.D
Acq: 14 Apr 2024 11:04

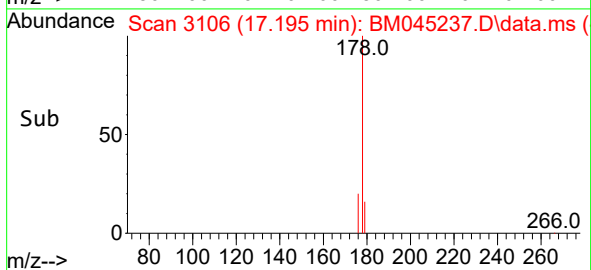
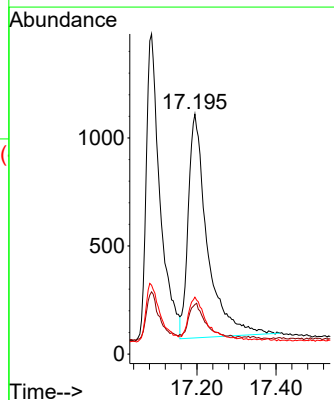
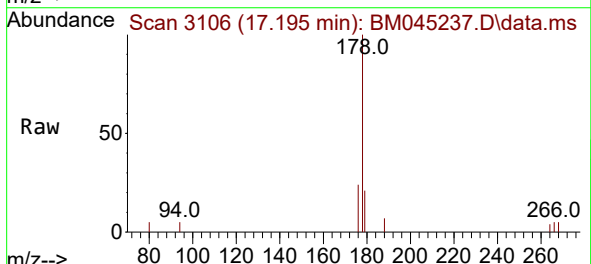
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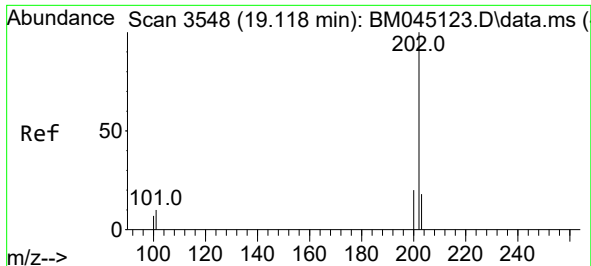
Tgt Ion:178 Resp: 3473
Ion Ratio Lower Upper
178 100
179 19.4 13.7 20.5
176 21.5 17.0 25.4



#16
Anthracene
Concen: 0.387 ng/ul
RT: 17.195 min Scan# 3106
Delta R.T. 0.024 min
Lab File: BM045237.D
Acq: 14 Apr 2024 11:04

Tgt Ion:178 Resp: 3458
Ion Ratio Lower Upper
178 100
179 20.6 13.8 20.8
176 23.7 16.2 24.4

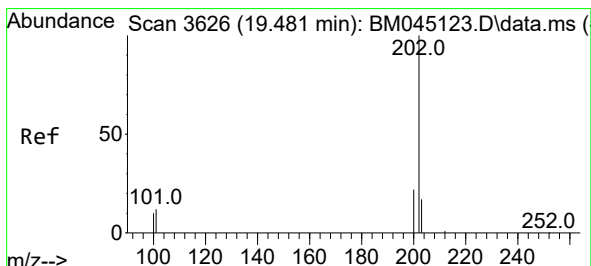
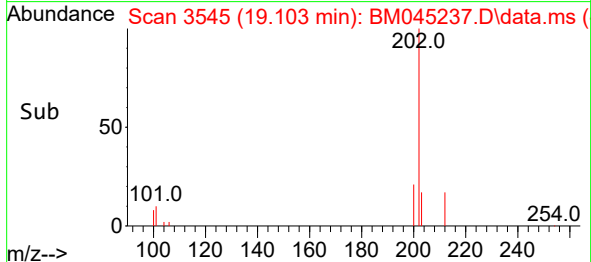
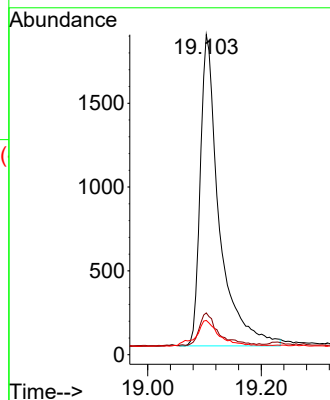
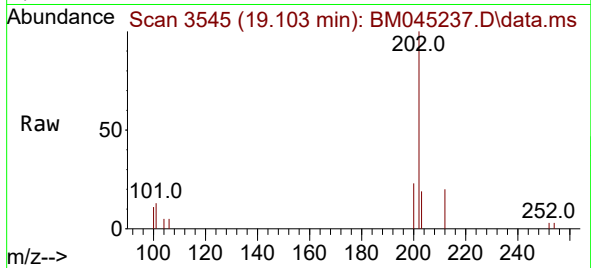




#19
Fluoranthene
Concen: 0.468 ng/ul
RT: 19.103 min Scan# 3545
Delta R.T. 0.008 min
Lab File: BM045237.D
Acq: 14 Apr 2024 11:04

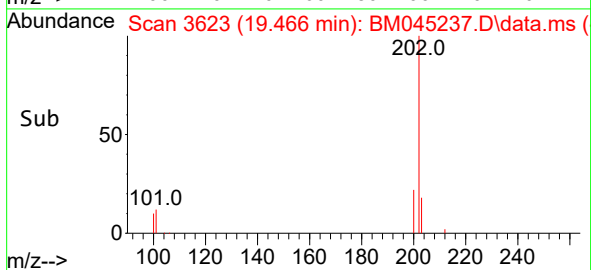
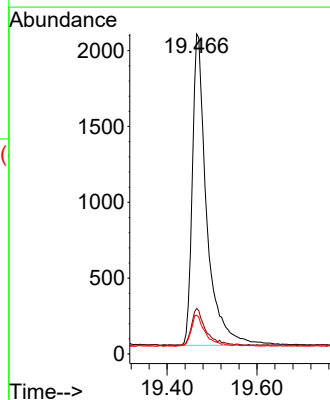
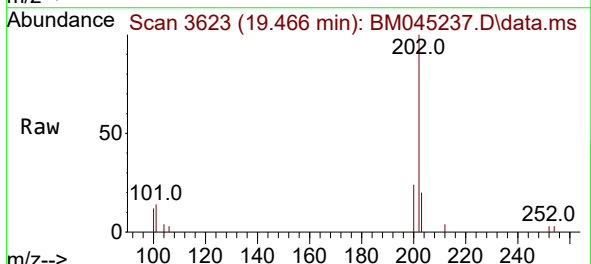
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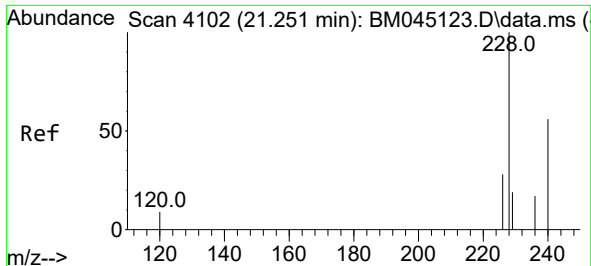
Tgt Ion:202 Resp: 4291
Ion Ratio Lower Upper
202 100
101 13.0 8.8 13.2
100 10.7 7.0 10.4#



#20
Pyrene
Concen: 0.472 ng/ul
RT: 19.466 min Scan# 3623
Delta R.T. 0.004 min
Lab File: BM045237.D
Acq: 14 Apr 2024 11:04

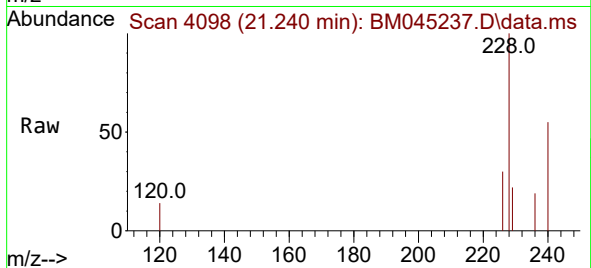
Tgt Ion:202 Resp: 4572
Ion Ratio Lower Upper
202 100
101 14.3 9.8 14.6
100 12.1 8.1 12.1#



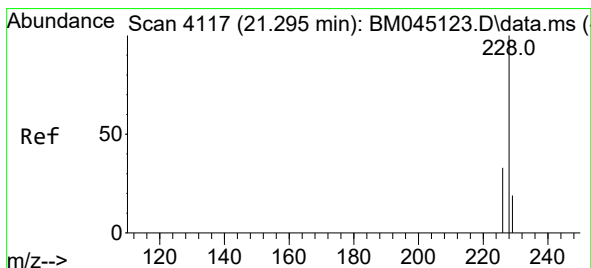
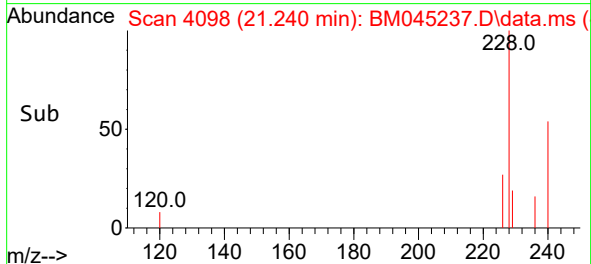
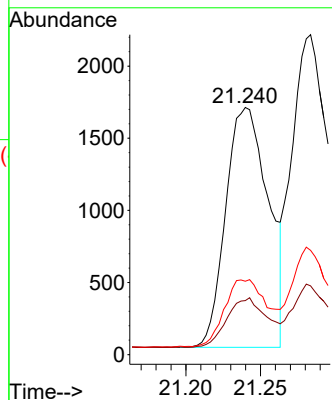


#21
Benzo(a)anthracene
Concen: 0.369 ng/ul
RT: 21.240 min Scan# 4098
Delta R.T. 0.012 min
Lab File: BM045237.D
Acq: 14 Apr 2024 11:04

Instrument :
BNA_M
ClientSampleId :
SLCS207

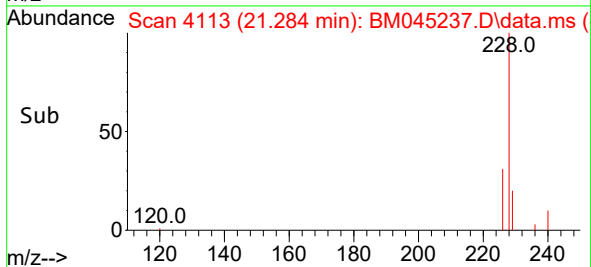
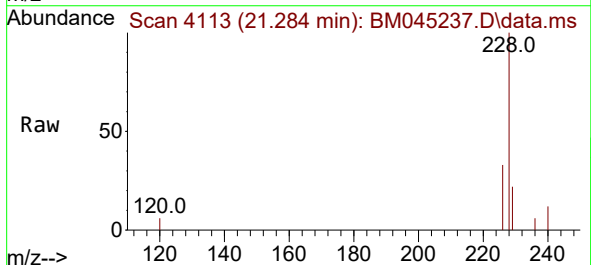
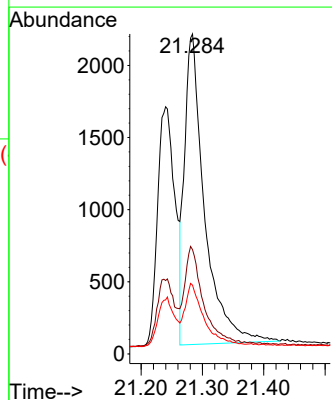


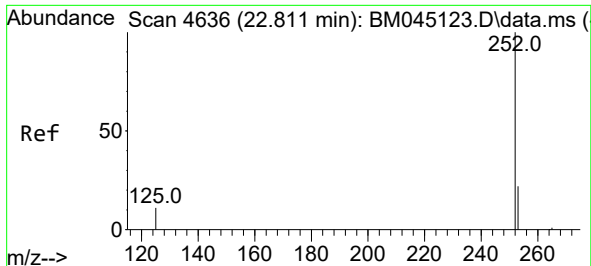
Tgt Ion:228 Resp: 3298
Ion Ratio Lower Upper
228 100
229 21.8 16.4 24.6
226 29.7 22.3 33.5



#22
Chrysene
Concen: 0.437 ng/ul
RT: 21.284 min Scan# 4113
Delta R.T. 0.007 min
Lab File: BM045237.D
Acq: 14 Apr 2024 11:04

Tgt Ion:228 Resp: 4874
Ion Ratio Lower Upper
228 100
226 32.6 24.9 37.3
229 21.5 15.9 23.9

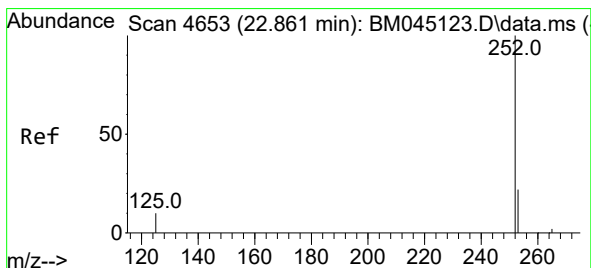
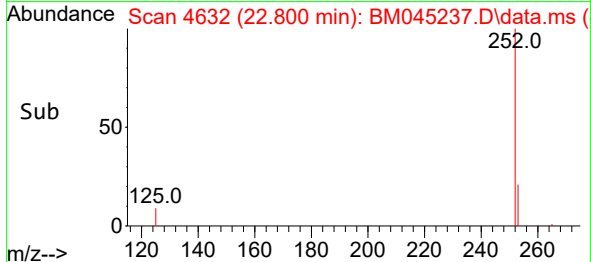
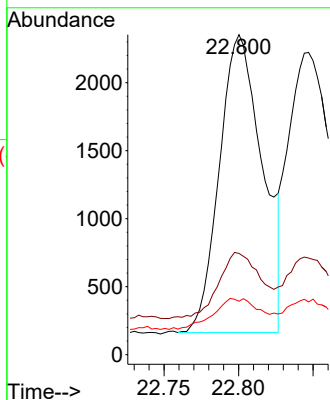
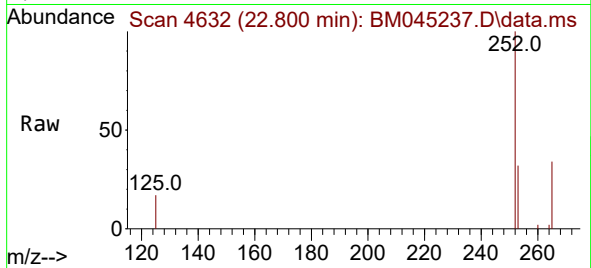




#24
Benzo(b)fluoranthene
Concen: 0.395 ng/ul
RT: 22.800 min Scan# 4632
Delta R.T. 0.007 min
Lab File: BM045237.D
Acq: 14 Apr 2024 11:04

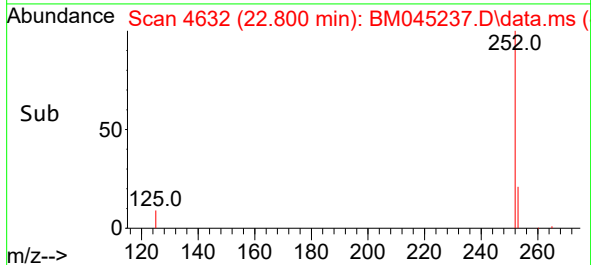
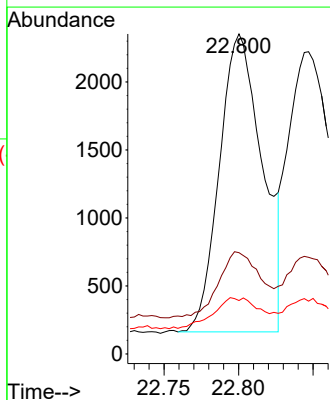
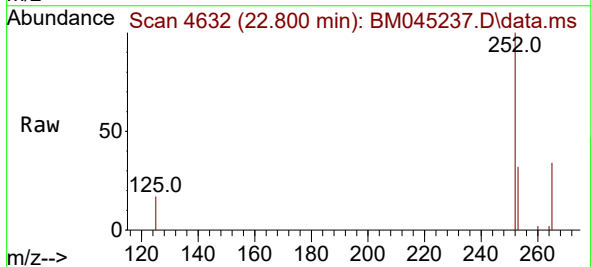
Instrument :
BNA_M
ClientSampleId :
SLCS207

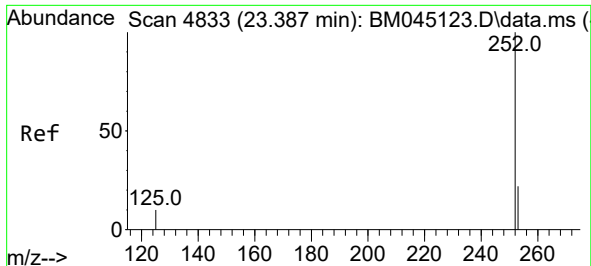
Tgt Ion:252 Resp: 4396
Ion Ratio Lower Upper
252 100
253 31.6 0.0 56.4
125 16.7 0.0 33.4



#25
Benzo(k)fluoranthene
Concen: 0.353 ng/ul
RT: 22.800 min Scan# 4632
Delta R.T. -0.040 min
Lab File: BM045237.D
Acq: 14 Apr 2024 11:04

Tgt Ion:252 Resp: 4396
Ion Ratio Lower Upper
252 100
253 31.6 22.3 33.5
125 16.7 11.6 17.4

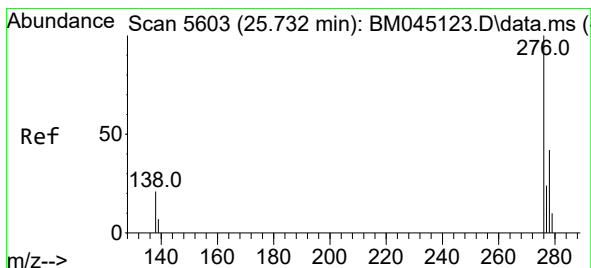
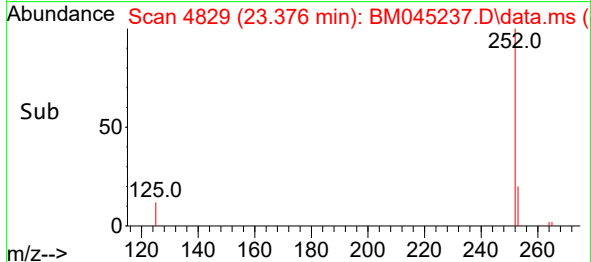
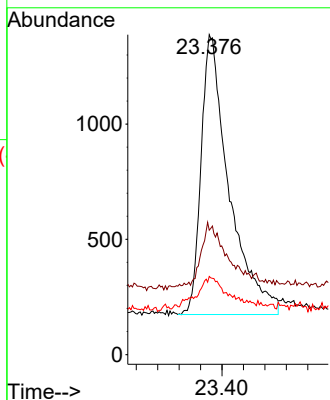
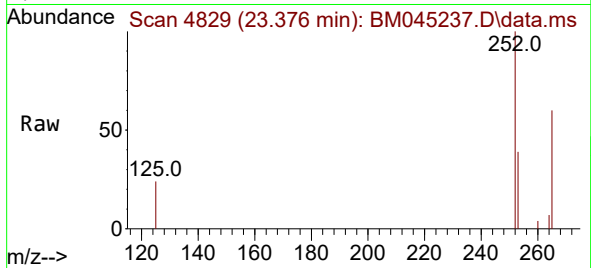




#26
Benzo(a)pyrene
Concen: 0.414 ng/ul
RT: 23.376 min Scan# 4829
Delta R.T. 0.012 min
Lab File: BM045237.D
Acq: 14 Apr 2024 11:04

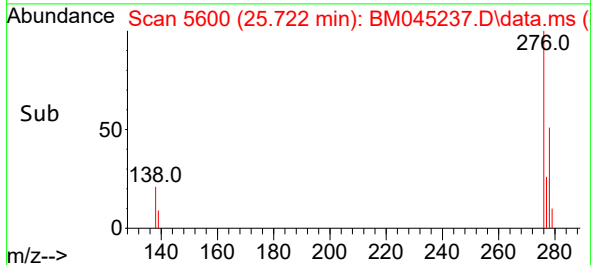
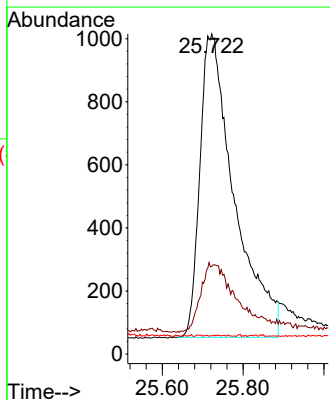
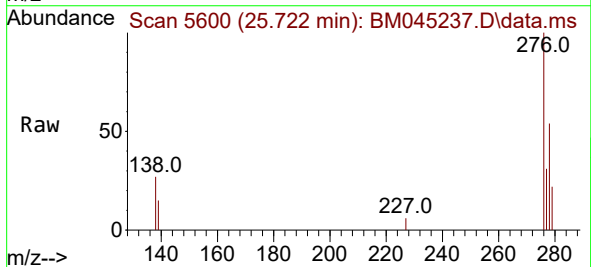
Instrument :
BNA_M
ClientSampleId :
SLCS207

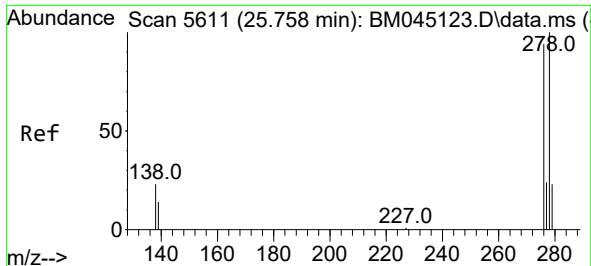
Tgt Ion:252 Resp: 4402
Ion Ratio Lower Upper
252 100
253 38.9 24.6 37.0#
125 24.4 18.2 27.4



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.390 ng/ul
RT: 25.722 min Scan# 5600
Delta R.T. 0.028 min
Lab File: BM045237.D
Acq: 14 Apr 2024 11:04

Tgt Ion:276 Resp: 5686
Ion Ratio Lower Upper
276 100
138 24.4 0.0 0.0#
227 0.1 0.1 0.1#

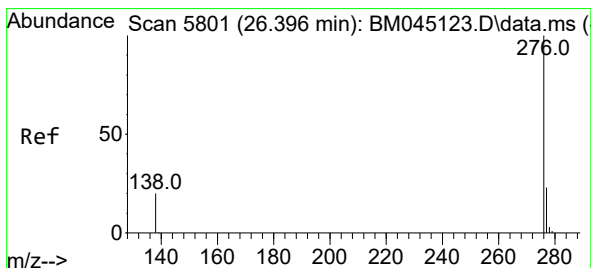
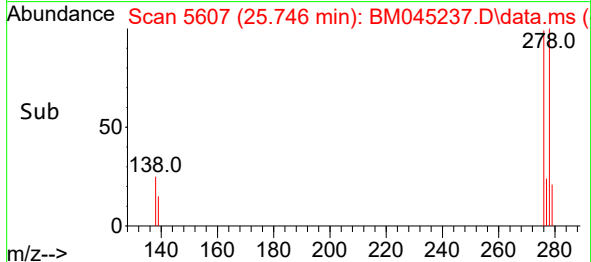
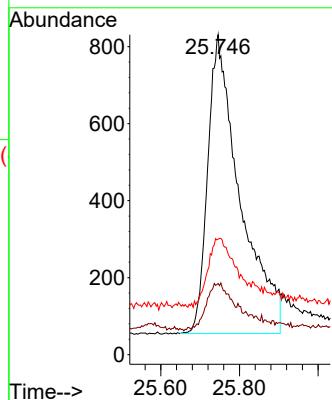
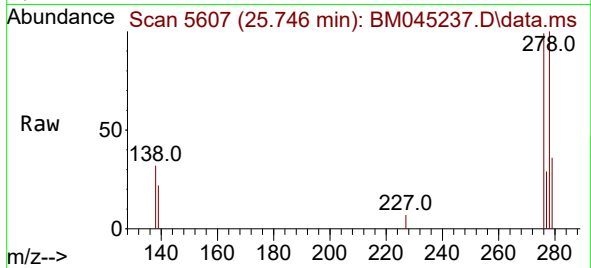




#28
Dibenzo(a,h)anthracene
Concen: 0.383 ng/ul
RT: 25.746 min Scan# 5607
Delta R.T. 0.031 min
Lab File: BM045237.D
Acq: 14 Apr 2024 11:04

Instrument :
BNA_M
ClientSampleId :
SLCS207

Tgt Ion:278 Resp: 4422
Ion Ratio Lower Upper
278 100
139 22.3 13.6 20.4#
279 36.1 23.0 34.4#



#29
Benzo(g,h,i)perylene
Concen: 0.411 ng/ul
RT: 26.380 min Scan# 5796
Delta R.T. 0.014 min
Lab File: BM045237.D
Acq: 14 Apr 2024 11:04

Tgt Ion:276 Resp: 5162
Ion Ratio Lower Upper
276 100
138 25.9 16.8 25.2#
277 28.2 20.3 30.5

