

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041104.D
 Acq On : 25 Jul 2023 13:57
 Operator : MA/JU
 Sample : PB154140BS
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS140

Quant Time: Jul 26 04:22:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 26 04:20:13 2023
 Response via : Initial Calibration

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

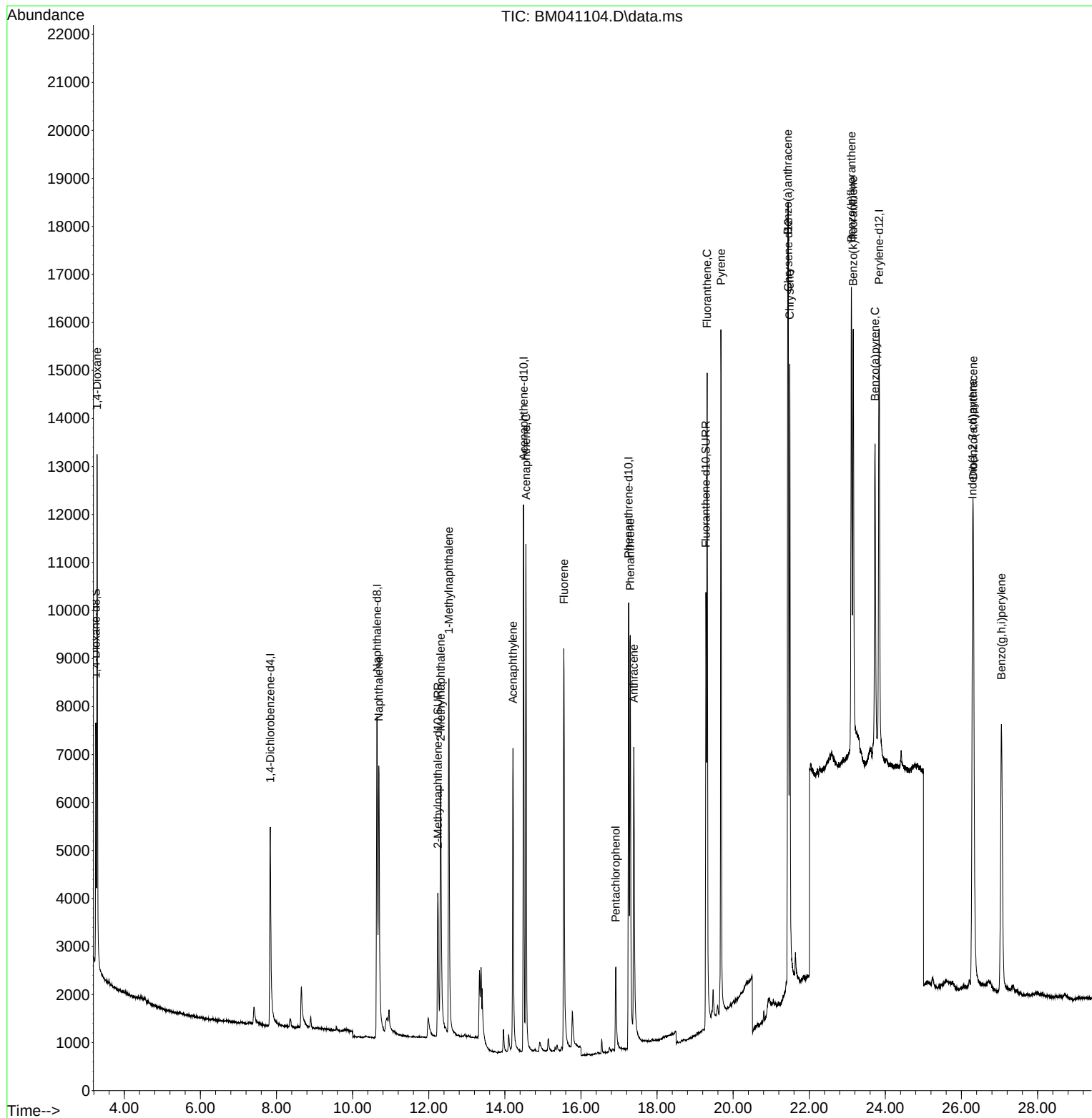
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.837	152	3360	0.400	ng/ul	0.00
4) Naphthalene-d8	10.643	136	12352	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.491	164	6730	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.253	188	12762	0.400	ng/ul	0.00
17) Chrysene-d12	21.449	240	11591	0.400	ng/ul	0.00
23) Perylene-d12	23.835	264	12552	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.250	96	2962	0.571	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.238	152	5949	0.337	ng/ul	0.00
18) Fluoranthene-d10	19.284	212	11455	0.363	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.284	88	6781	1.280	ng/ul#	47
5) Naphthalene	10.687	128	9470	0.236	ng/ul	99
7) 2-Methylnaphthalene	12.315	142	5686	0.289	ng/ul	98
8) 1-Methylnaphthalene	12.529	142	6038	0.299	ng/ul	100
10) Acenaphthylene	14.213	152	9231	0.325	ng/ul	100
11) Acenaphthene	14.556	153	6385	0.266	ng/ul	99
12) Fluorene	15.550	166	6744	0.258	ng/ul	99
14) Pentachlorophenol	16.916	266	1652	0.445	ng/ul	97
15) Phenanthrene	17.296	178	10466	0.266	ng/ul	100
16) Anthracene	17.389	178	9039	0.284	ng/ul	98
19) Fluoranthene	19.316	202	12514	0.301	ng/ul	99
20) Pyrene	19.679	202	13424	0.293	ng/ul	99
21) Benzo(a)anthracene	21.435	228	12179	0.314	ng/ul	95
22) Chrysene	21.487	228	12151	0.272	ng/ul	94
24) Benzo(b)fluoranthene	23.109	252	13321	0.266	ng/ul	85
25) Benzo(k)fluoranthene	23.153	252	12662	0.265	ng/ul#	87
26) Benzo(a)pyrene	23.729	252	11287	0.279	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	26.292	276	15336	0.256	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.312	278	12325	0.262	ng/ul#	91
29) Benzo(g,h,i)perylene	27.050	276	13065	0.244	ng/ul	94

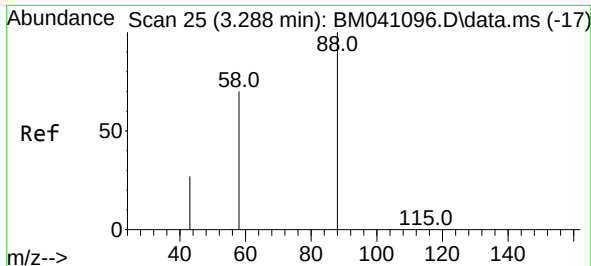
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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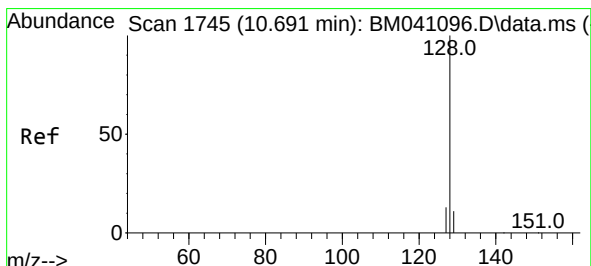
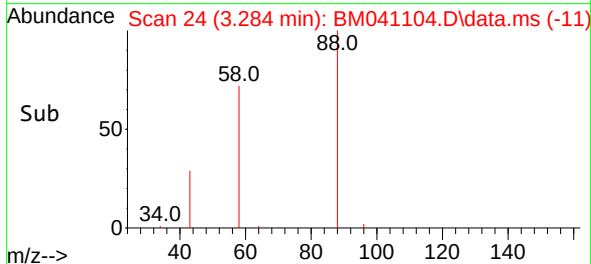
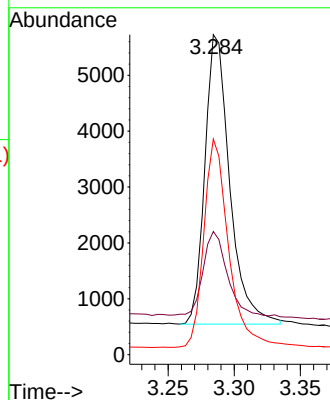
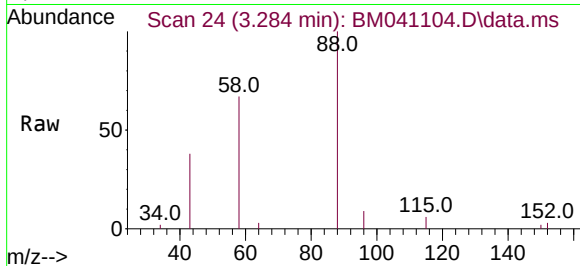




#2
1,4-Dioxane
Concen: 1.280 ng/ul
RT: 3.284 min Scan# 24
Delta R.T. -0.004 min
Lab File: BM041104.D
Acq: 25 Jul 2023 13:57

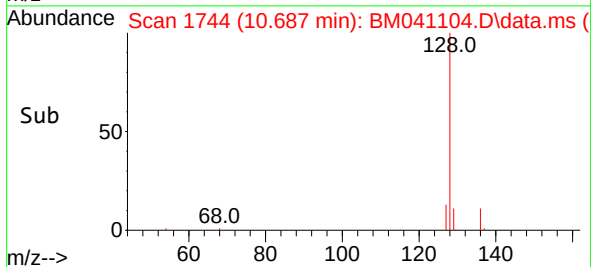
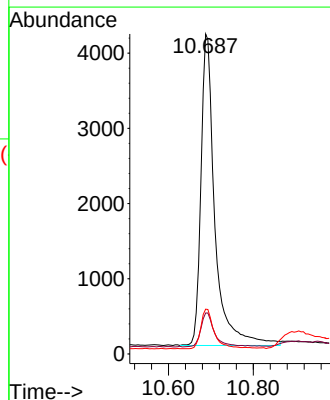
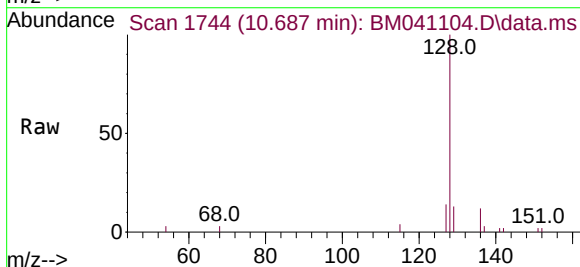
Instrument :
BNA_M
ClientSampleId :
SLCS140

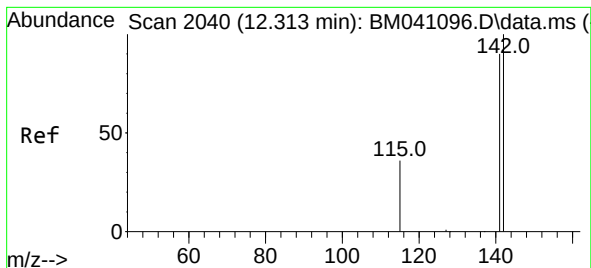
Tgt Ion: 88 Resp: 6781
Ion Ratio Lower Upper
88 100
43 38.5 83.1 124.7#
58 67.4 38.8 58.2#



#5
Naphthalene
Concen: 0.236 ng/ul
RT: 10.687 min Scan# 1744
Delta R.T. -0.004 min
Lab File: BM041104.D
Acq: 25 Jul 2023 13:57

Tgt Ion: 128 Resp: 9470
Ion Ratio Lower Upper
128 100
129 12.8 9.8 14.8
127 14.0 11.1 16.7





#7

2-Methylnaphthalene

Concen: 0.289 ng/ul

RT: 12.315 min Scan# 2040

Delta R.T. 0.002 min

Lab File: BM041104.D

Acq: 25 Jul 2023 13:57

Instrument :

BNA_M

ClientSampleId :

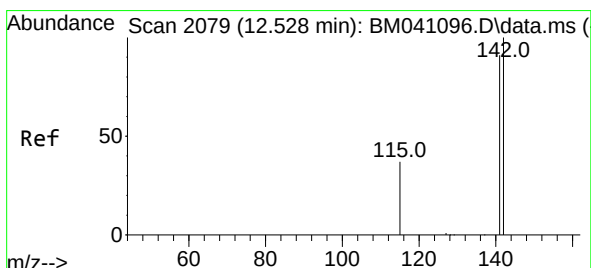
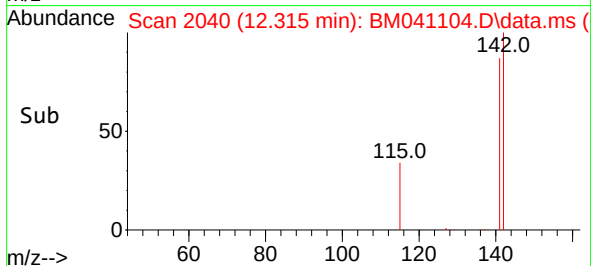
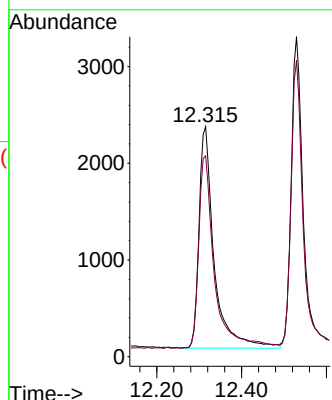
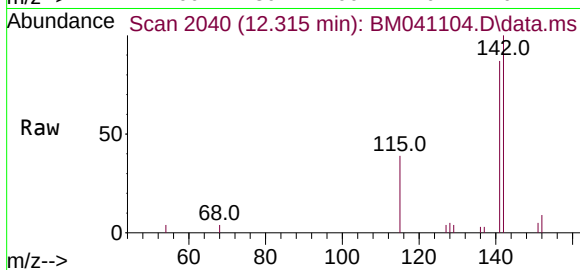
SLCS140

Tgt Ion:142 Resp: 5686

Ion Ratio Lower Upper

142 100

141 89.9 73.3 109.9



#8

1-Methylnaphthalene

Concen: 0.299 ng/ul

RT: 12.529 min Scan# 2079

Delta R.T. 0.002 min

Lab File: BM041104.D

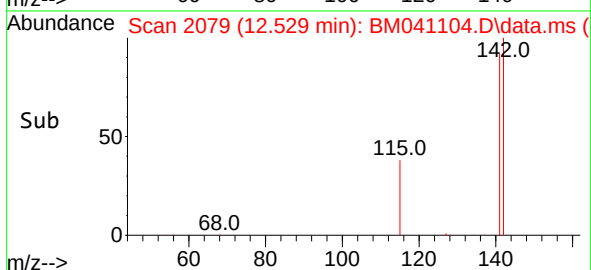
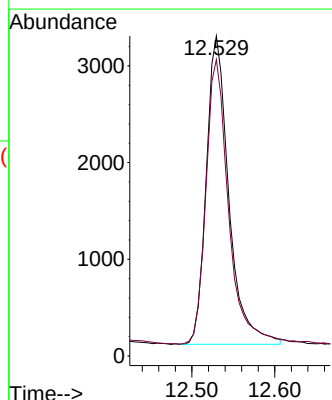
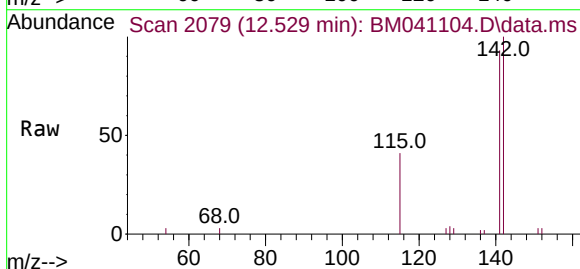
Acq: 25 Jul 2023 13:57

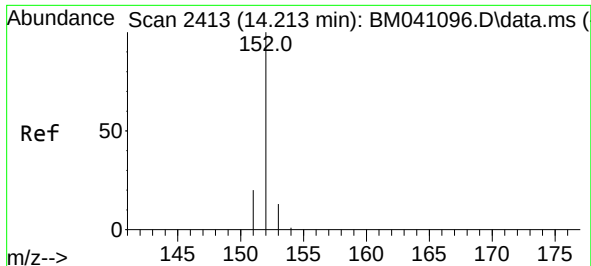
Tgt Ion:142 Resp: 6038

Ion Ratio Lower Upper

142 100

141 92.3 73.6 110.4

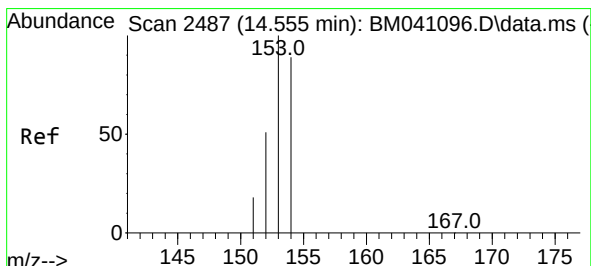
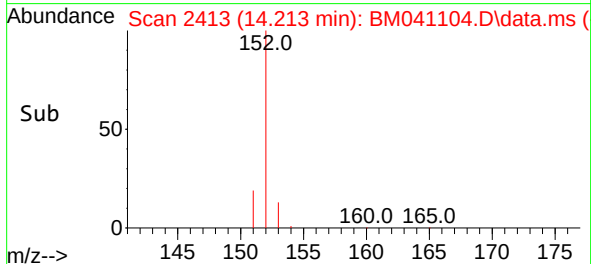
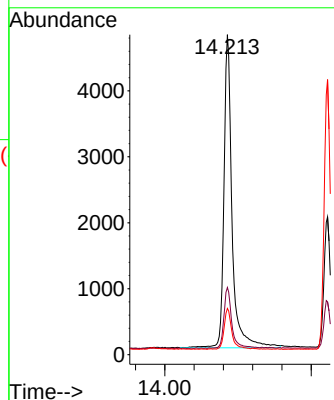
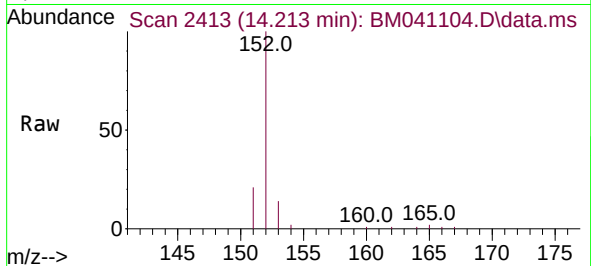




#10
Acenaphthylene
Concen: 0.325 ng/u1
RT: 14.213 min Scan# 2413
Delta R.T. 0.001 min
Lab File: BM041104.D
Acq: 25 Jul 2023 13:57

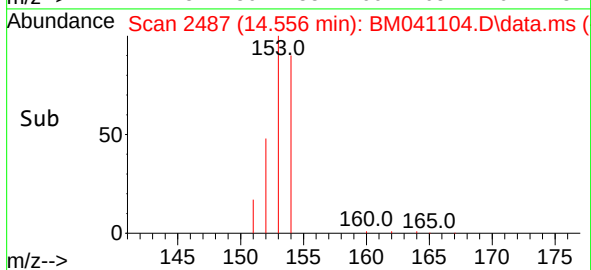
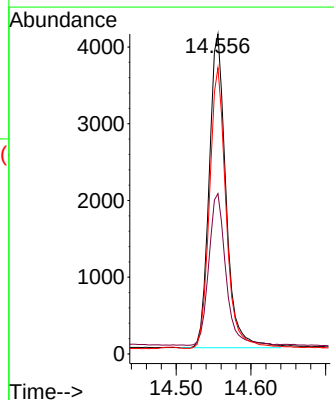
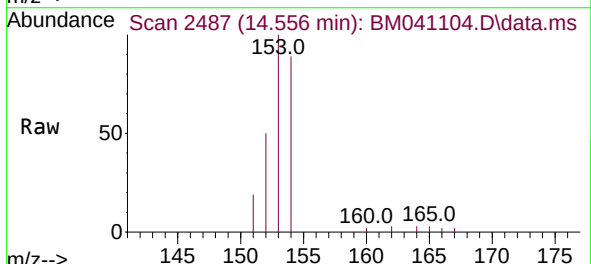
Instrument :
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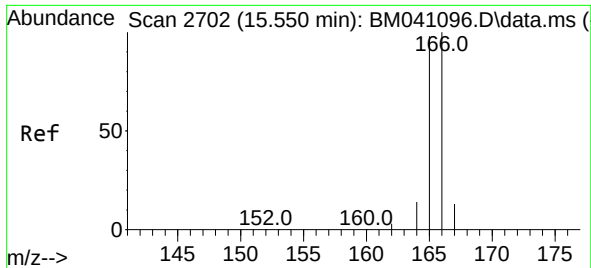
Tgt Ion:152 Resp: 9231
Ion Ratio Lower Upper
152 100
151 21.0 16.8 25.2
153 14.4 11.4 17.2



#11
Acenaphthene
Concen: 0.266 ng/u1
RT: 14.556 min Scan# 2487
Delta R.T. 0.001 min
Lab File: BM041104.D
Acq: 25 Jul 2023 13:57

Tgt Ion:153 Resp: 6385
Ion Ratio Lower Upper
153 100
152 50.1 40.2 60.4
154 89.4 70.3 105.5

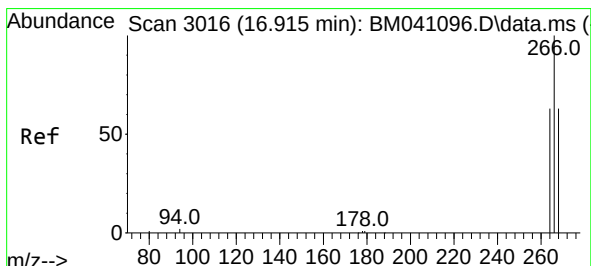
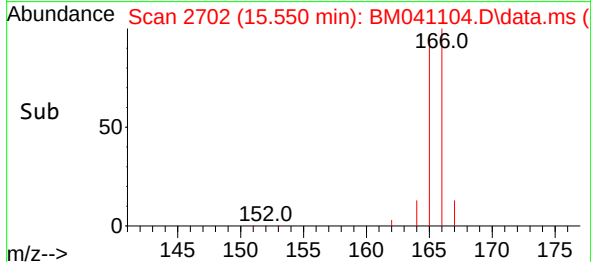
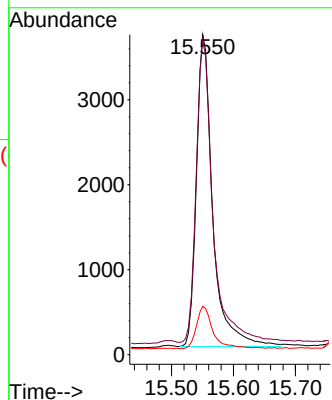
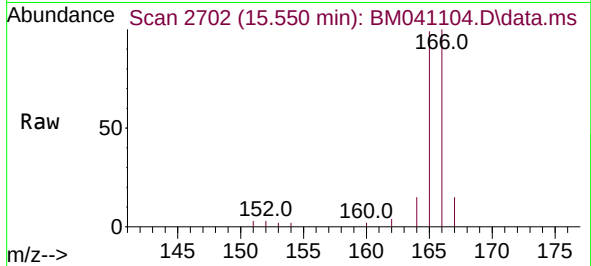




#12
 Fluorene
 Concen: 0.258 ng/ul
 RT: 15.550 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BM041104.D
 Acq: 25 Jul 2023 13:57

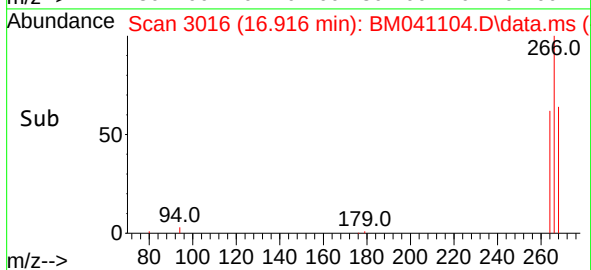
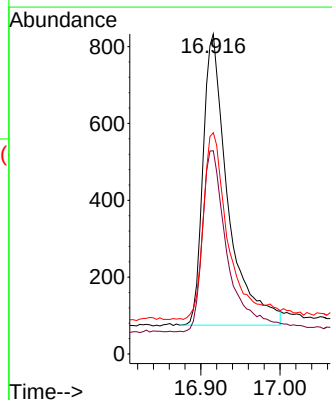
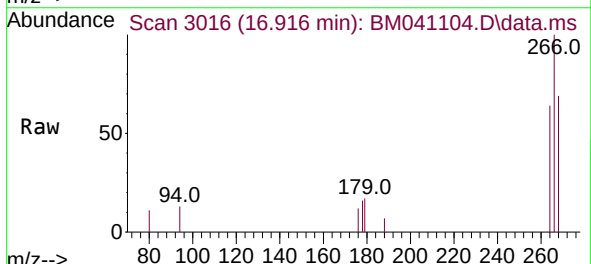
Instrument :
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 ClientSampleId :
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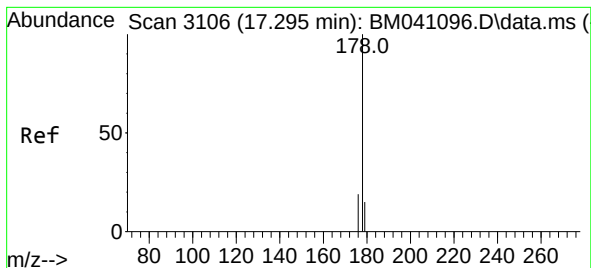
Tgt Ion:166 Resp: 6744
 Ion Ratio Lower Upper
 166 100
 165 98.5 79.4 119.0
 167 15.1 11.4 17.2



#14
 Pentachlorophenol
 Concen: 0.445 ng/ul
 RT: 16.916 min Scan# 3016
 Delta R.T. 0.001 min
 Lab File: BM041104.D
 Acq: 25 Jul 2023 13:57

Tgt Ion:266 Resp: 1652
 Ion Ratio Lower Upper
 266 100
 264 63.1 49.2 73.8
 268 64.7 49.9 74.9





#15

Phenanthrene

Concen: 0.266 ng/ul

RT: 17.296 min Scan# 3106

Delta R.T. 0.001 min

Lab File: BM041104.D

Acq: 25 Jul 2023 13:57

Instrument :

BNA_M

ClientSampleId :

SLCS140

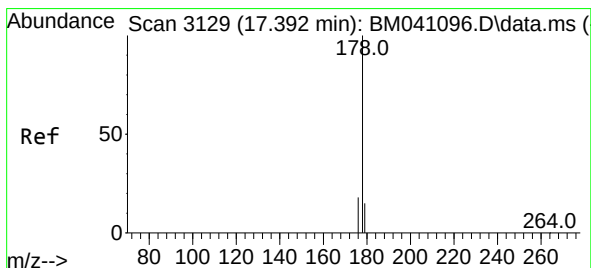
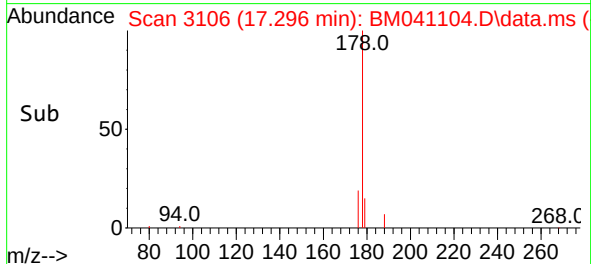
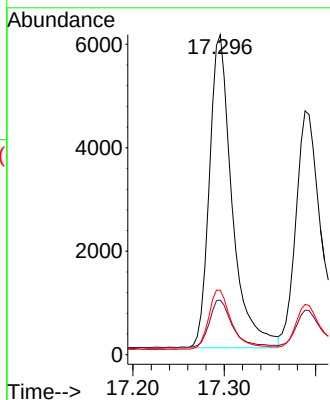
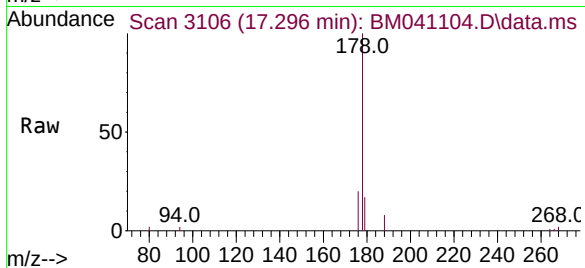
Tgt Ion:178 Resp: 10466

Ion Ratio Lower Upper

178 100

179 17.1 13.4 20.2

176 20.2 16.0 24.0



#16

Anthracene

Concen: 0.284 ng/ul

RT: 17.389 min Scan# 3128

Delta R.T. -0.004 min

Lab File: BM041104.D

Acq: 25 Jul 2023 13:57

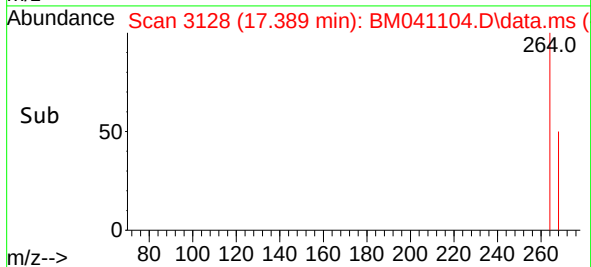
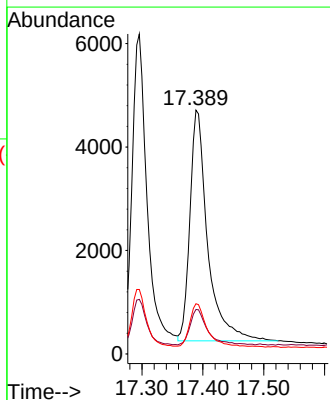
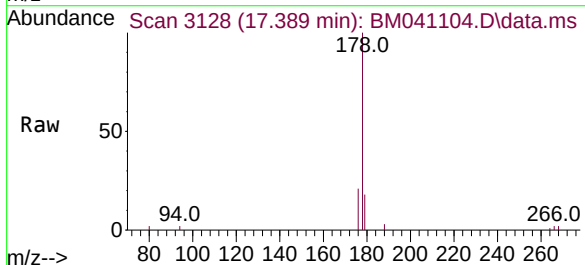
Tgt Ion:178 Resp: 9039

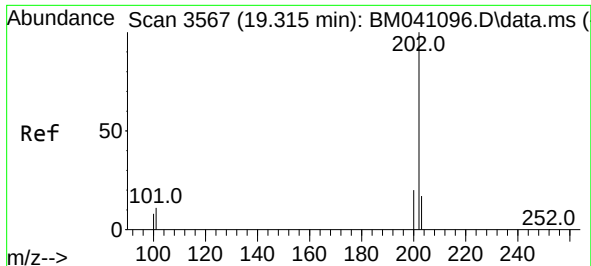
Ion Ratio Lower Upper

178 100

179 18.2 13.6 20.4

176 20.6 16.0 24.0

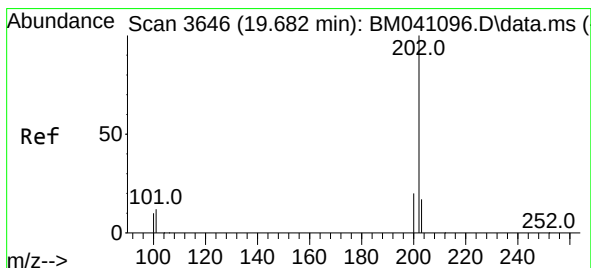
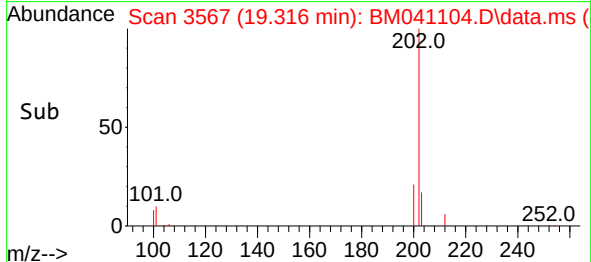
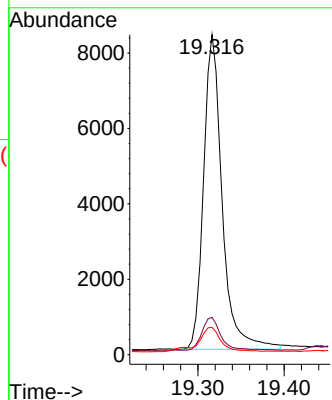
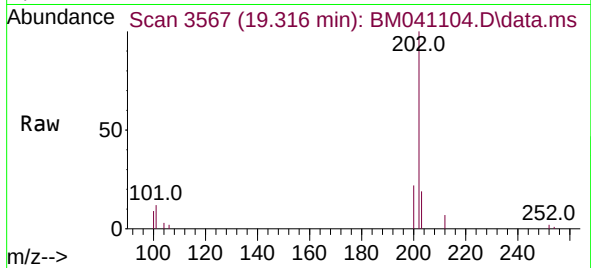




#19
Fluoranthene
Concen: 0.301 ng/ul
RT: 19.316 min Scan# 3567
Delta R.T. 0.001 min
Lab File: BM041104.D
Acq: 25 Jul 2023 13:57

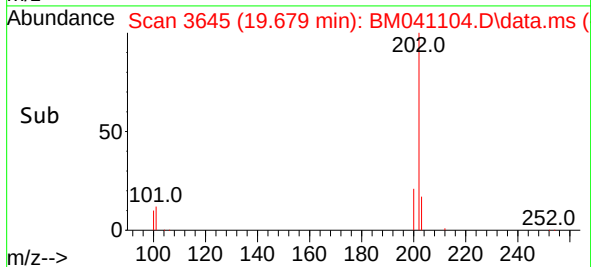
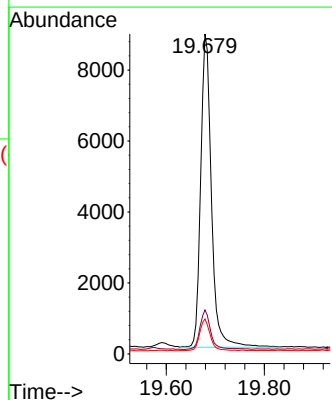
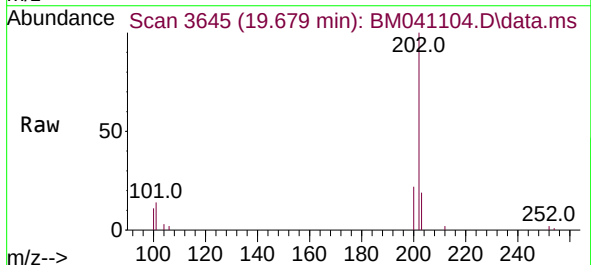
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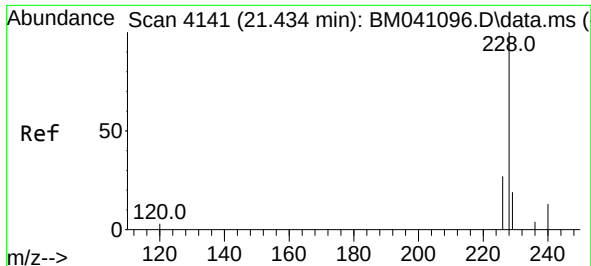
Tgt Ion:202 Resp: 12514
Ion Ratio Lower Upper
202 100
101 11.6 9.4 14.0
100 8.5 7.1 10.7



#20
Pyrene
Concen: 0.293 ng/ul
RT: 19.679 min Scan# 3645
Delta R.T. -0.004 min
Lab File: BM041104.D
Acq: 25 Jul 2023 13:57

Tgt Ion:202 Resp: 13424
Ion Ratio Lower Upper
202 100
101 13.8 10.7 16.1
100 11.0 8.5 12.7

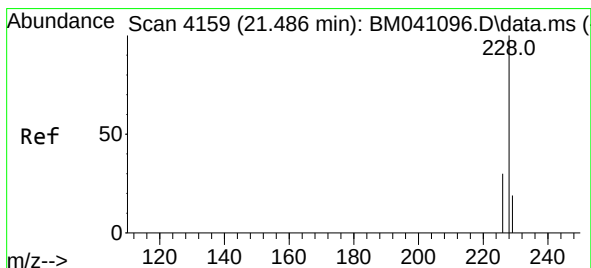
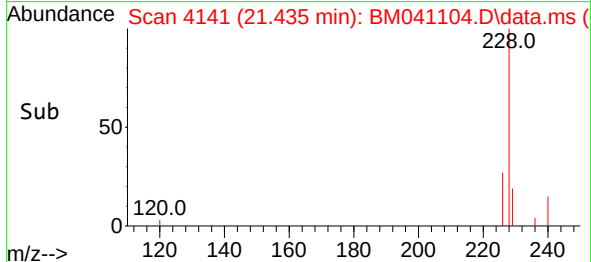
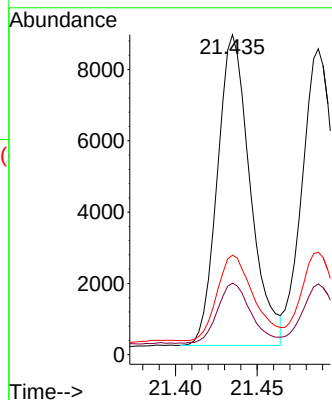
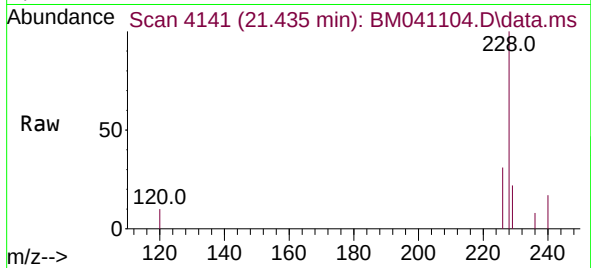




#21
Benzo(a)anthracene
Concen: 0.314 ng/ul
RT: 21.435 min Scan# 4141
Delta R.T. 0.001 min
Lab File: BM041104.D
Acq: 25 Jul 2023 13:57

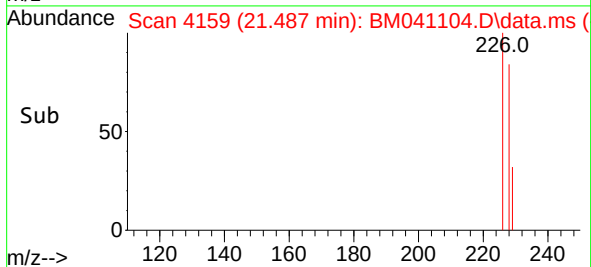
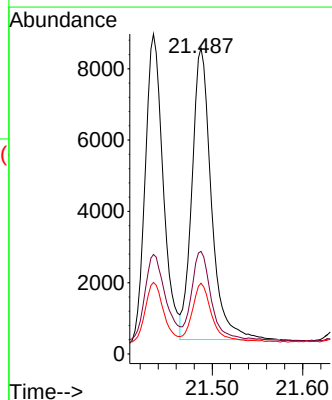
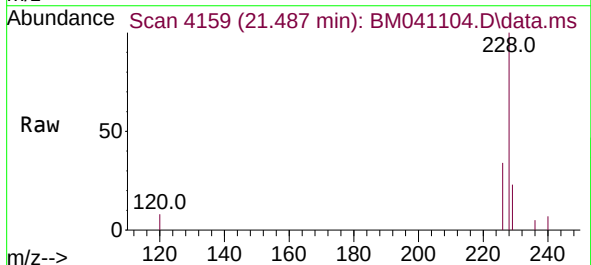
Instrument :
BNA_M
ClientSampleId :
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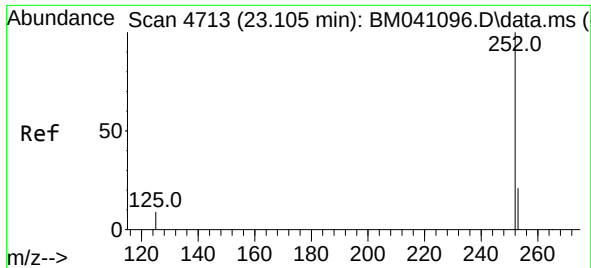
Tgt Ion:228 Resp: 12179
Ion Ratio Lower Upper
228 100
229 22.3 16.5 24.7
226 31.1 22.2 33.2



#22
Chrysene
Concen: 0.272 ng/ul
RT: 21.487 min Scan# 4159
Delta R.T. 0.001 min
Lab File: BM041104.D
Acq: 25 Jul 2023 13:57

Tgt Ion:228 Resp: 12151
Ion Ratio Lower Upper
228 100
226 33.5 24.2 36.4
229 23.1 15.9 23.9

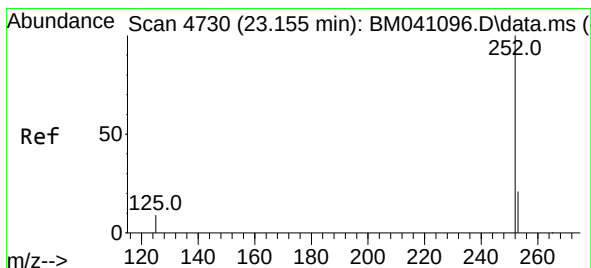
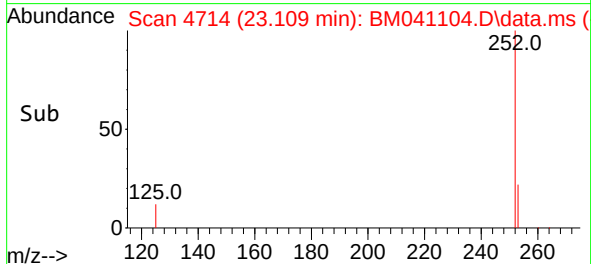
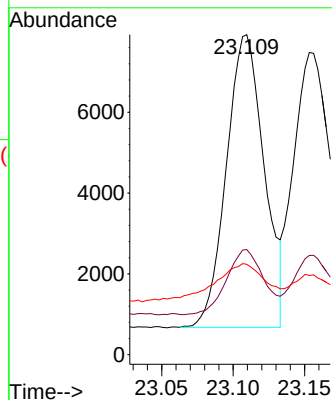
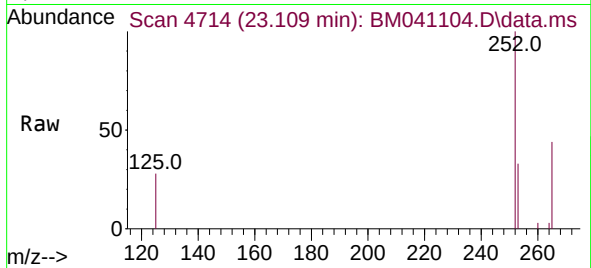




#24
Benzo(b)fluoranthene
Concen: 0.266 ng/ul
RT: 23.109 min Scan# 4713
Delta R.T. 0.004 min
Lab File: BM041104.D
Acq: 25 Jul 2023 13:57

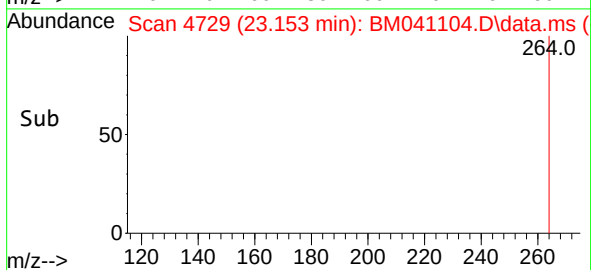
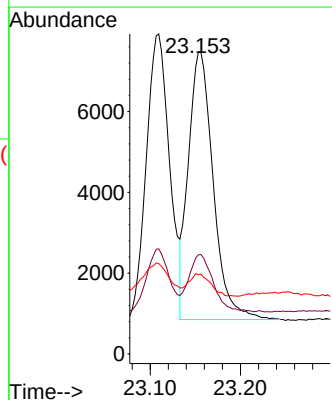
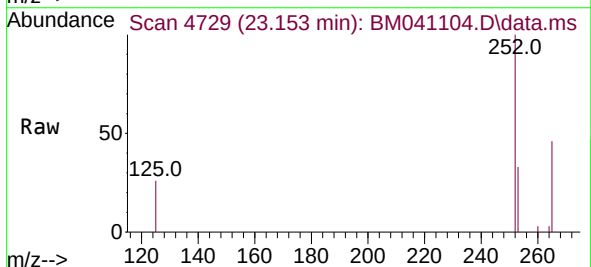
Instrument :
BNA_M
ClientSampleId :
SLCS140

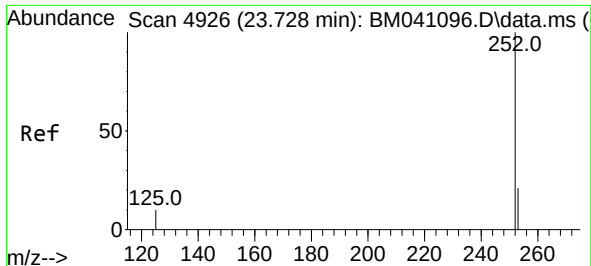
Tgt Ion:252 Resp: 13321
Ion Ratio Lower Upper
252 100
253 32.8 0.0 57.6
125 28.2 0.0 33.6



#25
Benzo(k)fluoranthene
Concen: 0.265 ng/ul
RT: 23.153 min Scan# 4729
Delta R.T. -0.002 min
Lab File: BM041104.D
Acq: 25 Jul 2023 13:57

Tgt Ion:252 Resp: 12662
Ion Ratio Lower Upper
252 100
253 32.8 22.8 34.2
125 26.2 13.5 20.3#

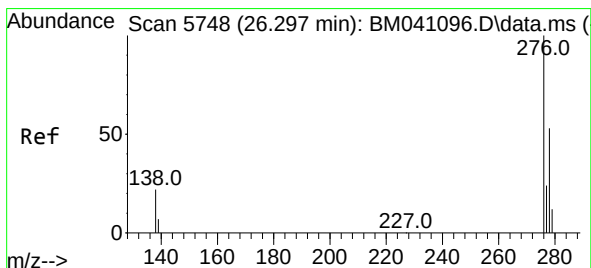
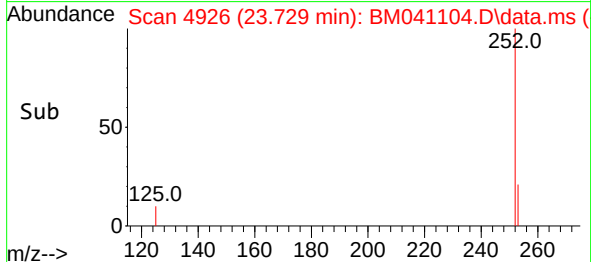
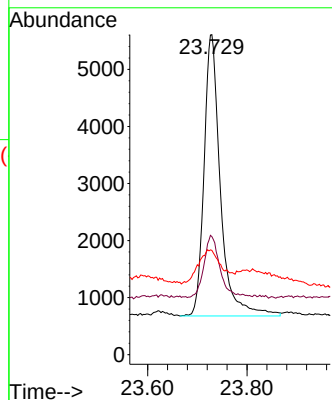
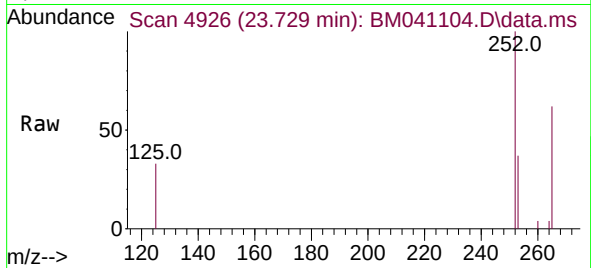




#26
Benzo(a)pyrene
Concen: 0.279 ng/ul
RT: 23.729 min Scan# 4926
Delta R.T. 0.001 min
Lab File: BM041104.D
Acq: 25 Jul 2023 13:57

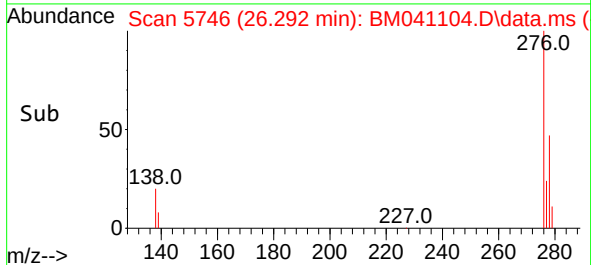
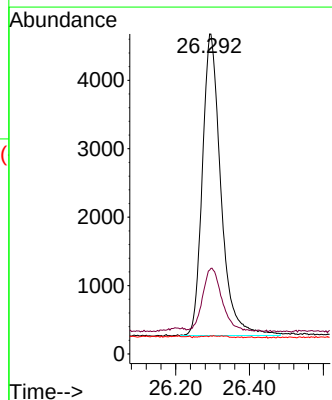
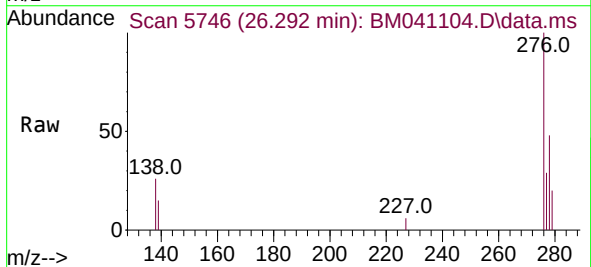
Instrument :
BNA_M
ClientSampleId :
SLCS140

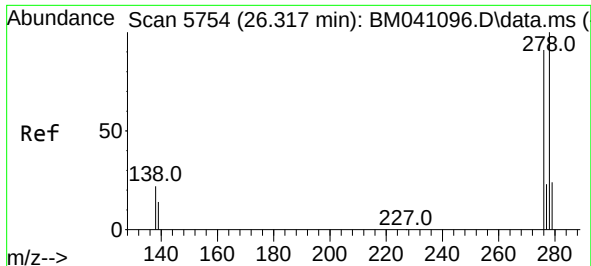
Tgt Ion:252 Resp: 11287
Ion Ratio Lower Upper
252 100
253 36.9 26.7 40.1
125 32.6 18.1 27.1#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.256 ng/ul
RT: 26.292 min Scan# 5746
Delta R.T. -0.005 min
Lab File: BM041104.D
Acq: 25 Jul 2023 13:57

Tgt Ion:276 Resp: 15336
Ion Ratio Lower Upper
276 100
138 21.7 18.1 27.1
227 0.0 0.2 0.2#

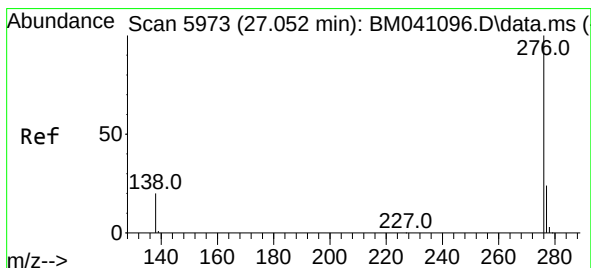
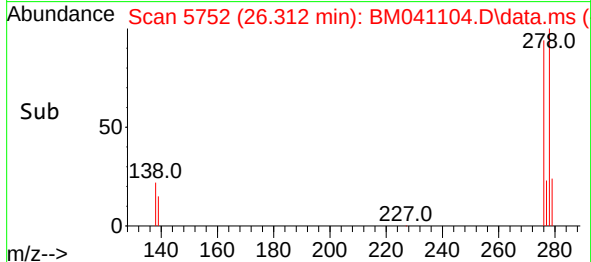
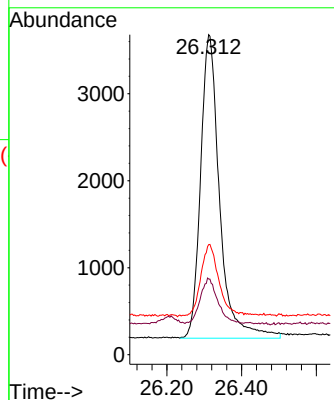
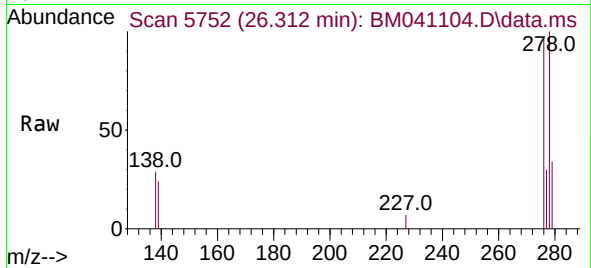




#28
Dibenzo(a,h)anthracene
Concen: 0.262 ng/ul
RT: 26.312 min Scan# 51
Delta R.T. -0.005 min
Lab File: BM041104.D
Acq: 25 Jul 2023 13:57

Instrument :
BNA_M
ClientSampleId :
SLCS140

Tgt Ion:278 Resp: 12325
Ion Ratio Lower Upper
278 100
139 23.6 14.1 21.1#
279 34.4 25.0 37.4



#29
Benzo(g,h,i)perylene
Concen: 0.244 ng/ul
RT: 27.050 min Scan# 5972
Delta R.T. -0.002 min
Lab File: BM041104.D
Acq: 25 Jul 2023 13:57

Tgt Ion:276 Resp: 13065
Ion Ratio Lower Upper
276 100
138 25.7 18.2 27.2
277 28.7 20.6 30.8

