

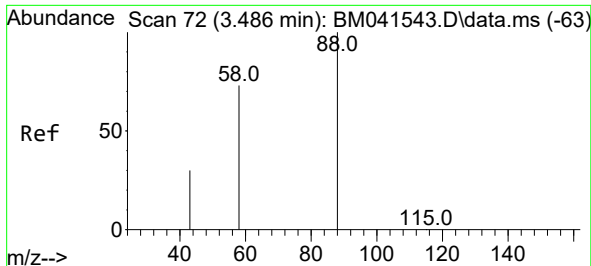
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082823\
 Data File : BM041559.D
 Acq On : 29 Aug 2023 14:38
 Operator : MA/JU
 Sample : PB155077BS
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS077

Quant Time: Aug 29 23:48:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM082823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 28 15:20:06 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.110	152	8693	0.400	ng/ul	0.00
4) Naphthalene-d8	10.938	136	22493	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.749	164	9929	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.502	188	16521	0.400	ng/ul	0.00
17) Chrysene-d12	21.685	240	4509	0.400	ng/ul	# 0.00
23) Perylene-d12	24.245	264	4905	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.448	96	8173	0.756	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.517	152	11238	0.378	ng/ul	0.00
18) Fluoranthene-d10	19.520	212	9472	0.513	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.482	88	19518	1.742	ng/ul#	86
5) Naphthalene	10.988	128	24215	0.337	ng/ul	100
7) 2-Methylnaphthalene	12.588	142	14468	0.332	ng/ul	99
8) 1-Methylnaphthalene	12.803	142	15343	0.348	ng/ul	99
10) Acenaphthylene	14.476	152	22883	0.349	ng/ul	100
11) Acenaphthene	14.809	153	15855	0.344	ng/ul	98
12) Fluorene	15.795	166	16843	0.339	ng/ul	98
14) Pentachlorophenol	17.122	266	3083	0.454	ng/ul	99
15) Phenanthrene	17.540	178	23471	0.346	ng/ul	100
16) Anthracene	17.632	178	20607	0.331	ng/ul	100
19) Fluoranthene	19.552	202	21105	0.505	ng/ul	99
20) Pyrene	19.915	202	20595	0.487	ng/ul	96
21) Benzo(a)anthracene	21.664	228	12997	0.405	ng/ul	99
22) Chrysene	21.723	228	13795	0.433	ng/ul	99
24) Benzo(b)fluoranthene	23.447	252	14153	0.454	ng/ul	94
25) Benzo(k)fluoranthene	23.500	252	13869	0.455	ng/ul#	95
26) Benzo(a)pyrene	24.126	252	12503	0.444	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	26.951	276	16589	0.438	ng/ul#	97
28) Dibenzo(a,h)anthracene	26.981	278	11270	0.414	ng/ul	95
29) Benzo(g,h,i)perylene	27.793	276	14130	0.445	ng/ul	97

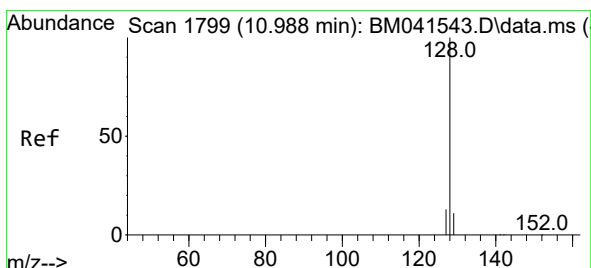
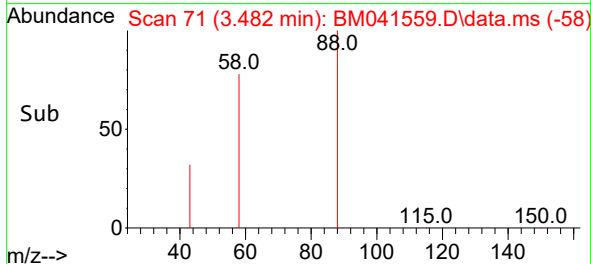
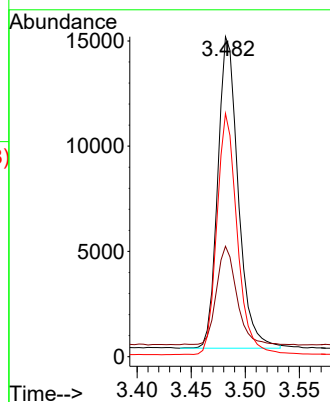
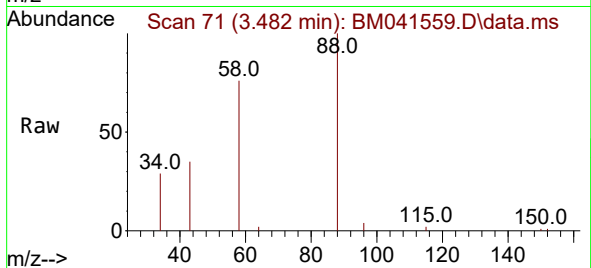
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
1,4-Dioxane
Concen: 1.742 ng/ul
RT: 3.482 min Scan# 71
Delta R.T. -0.004 min
Lab File: BM041559.D
Acq: 29 Aug 2023 14:38

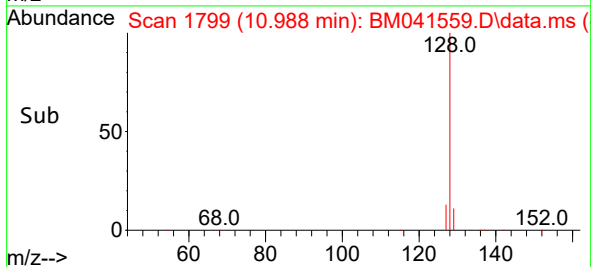
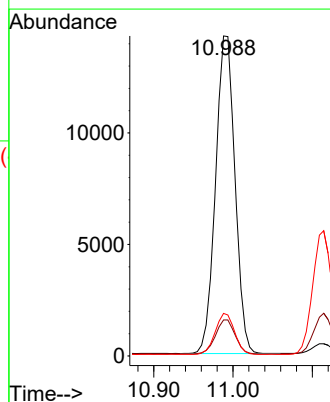
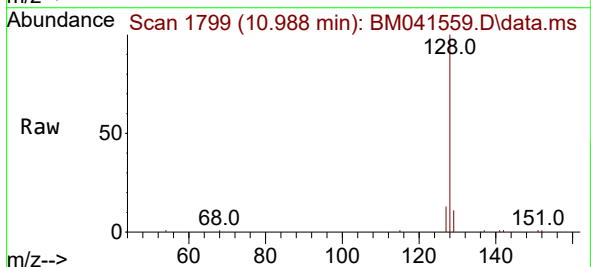
Instrument :
BNA_M
ClientSampleId :
SLCS077

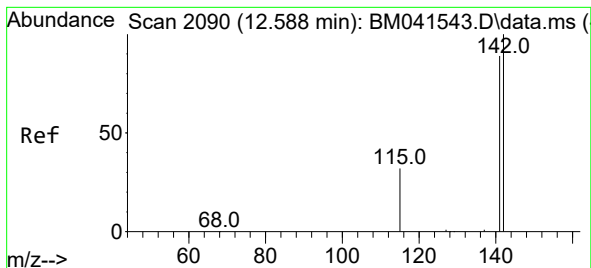
Tgt Ion: 88 Resp: 19518
Ion Ratio Lower Upper
88 100
43 34.5 30.6 46.0
58 76.0 49.3 73.9#



#5
Naphthalene
Concen: 0.337 ng/ul
RT: 10.988 min Scan# 1799
Delta R.T. -0.006 min
Lab File: BM041559.D
Acq: 29 Aug 2023 14:38

Tgt Ion:128 Resp: 24215
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.3 10.6 15.8

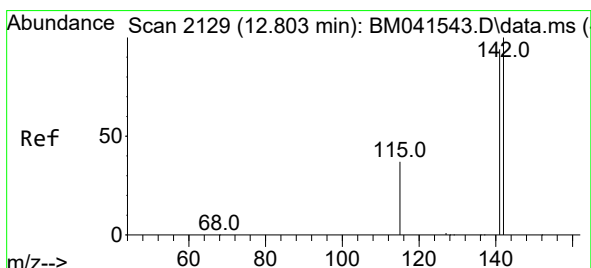
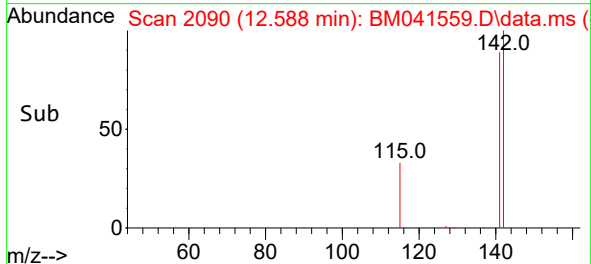
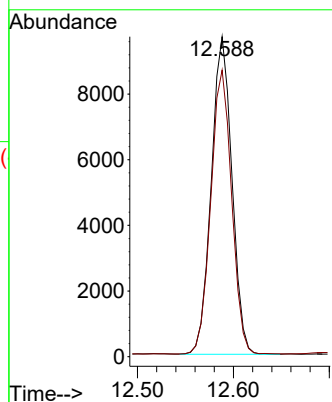
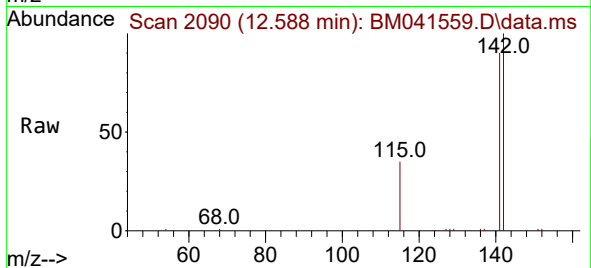




#7
2-Methylnaphthalene
Concen: 0.332 ng/ul
RT: 12.588 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BM041559.D
Acq: 29 Aug 2023 14:38

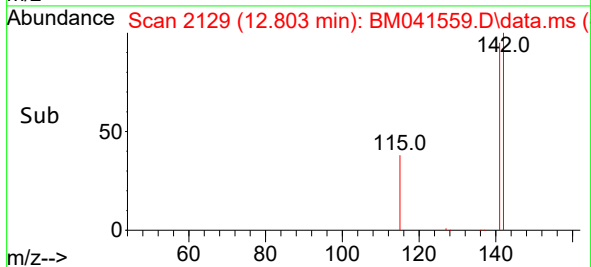
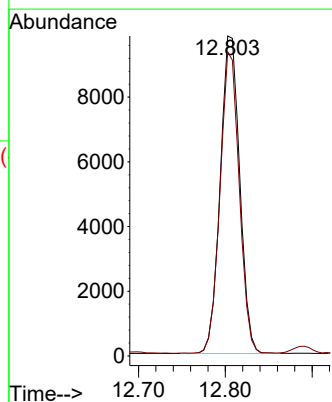
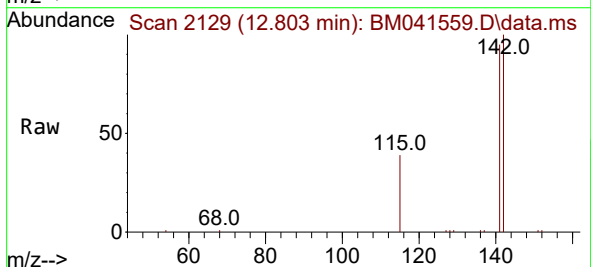
Instrument :
BNA_M
ClientSampleId :
SLCS077

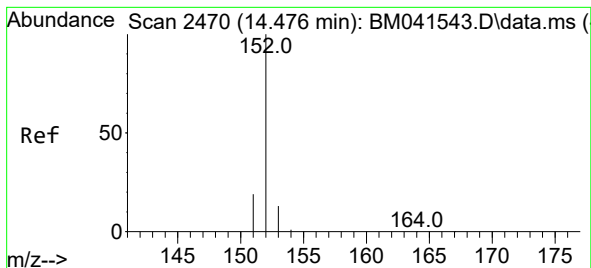
Tgt Ion:142 Resp: 14468
Ion Ratio Lower Upper
142 100
141 90.0 71.0 106.6



#8
1-Methylnaphthalene
Concen: 0.348 ng/ul
RT: 12.803 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BM041559.D
Acq: 29 Aug 2023 14:38

Tgt Ion:142 Resp: 15343
Ion Ratio Lower Upper
142 100
141 93.3 73.9 110.9





#10

Acenaphthylene

Concen: 0.349 ng/ul

RT: 14.476 min Scan# 2470

Delta R.T. -0.005 min

Lab File: BM041559.D

Acq: 29 Aug 2023 14:38

Instrument :

BNA_M

ClientSampleId :

SLCS077

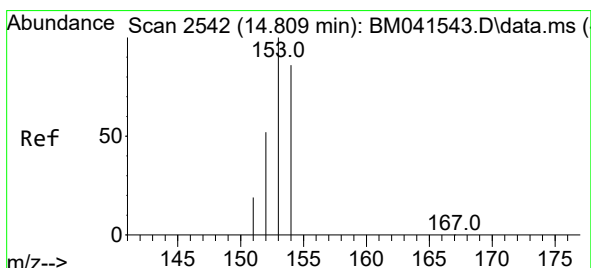
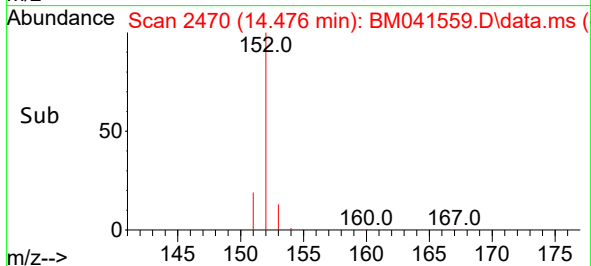
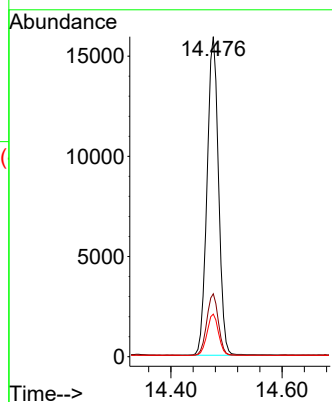
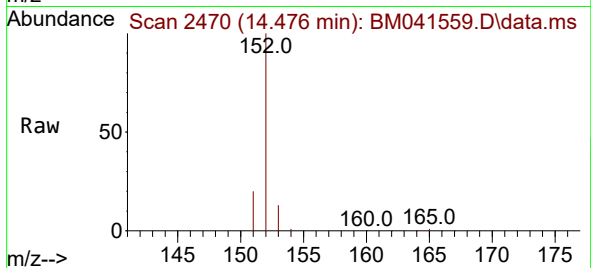
Tgt Ion:152 Resp: 22883

Ion Ratio Lower Upper

152 100

151 19.6 15.7 23.5

153 13.3 10.5 15.7



#11

Acenaphthene

Concen: 0.344 ng/ul

RT: 14.809 min Scan# 2542

Delta R.T. -0.005 min

Lab File: BM041559.D

Acq: 29 Aug 2023 14:38

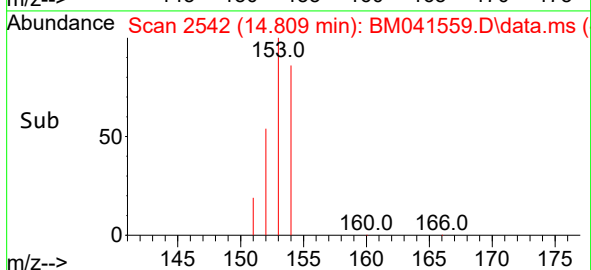
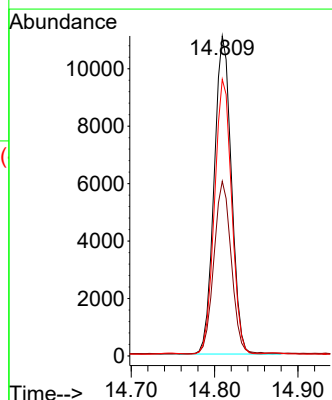
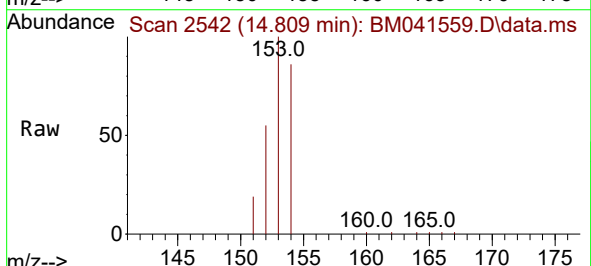
Tgt Ion:153 Resp: 15855

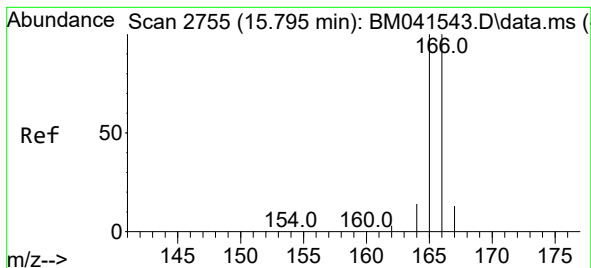
Ion Ratio Lower Upper

153 100

152 54.6 41.1 61.7

154 86.5 69.4 104.0





#12

Fluorene

Concen: 0.339 ng/ul

RT: 15.795 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM041559.D

Acq: 29 Aug 2023 14:38

Instrument :

BNA_M

ClientSampleId :

SLCS077

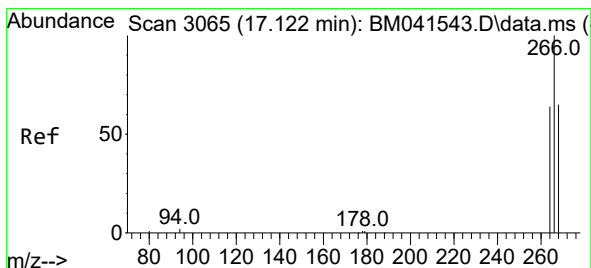
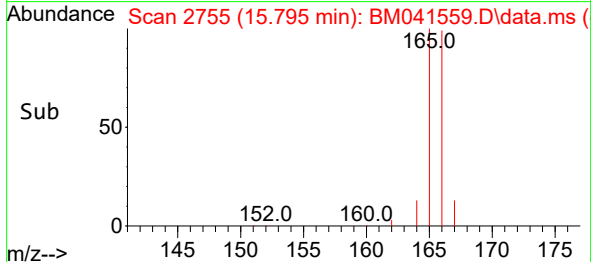
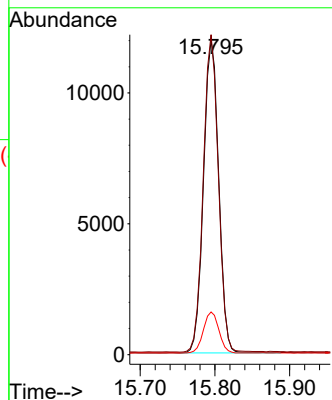
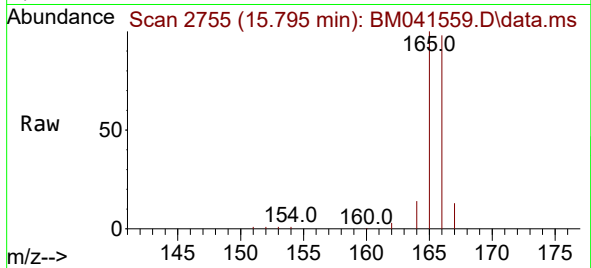
Tgt Ion:166 Resp: 16843

Ion Ratio Lower Upper

166 100

165 101.7 79.2 118.8

167 13.6 10.8 16.2



#14

Pentachlorophenol

Concen: 0.454 ng/ul

RT: 17.122 min Scan# 3065

Delta R.T. -0.004 min

Lab File: BM041559.D

Acq: 29 Aug 2023 14:38

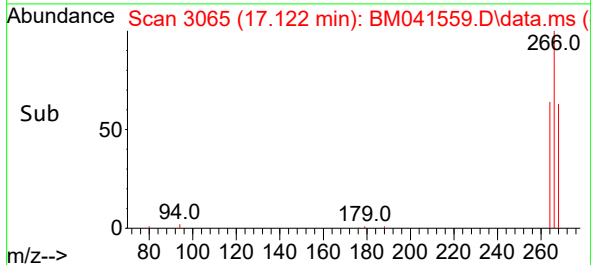
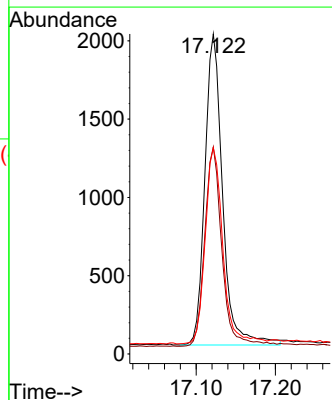
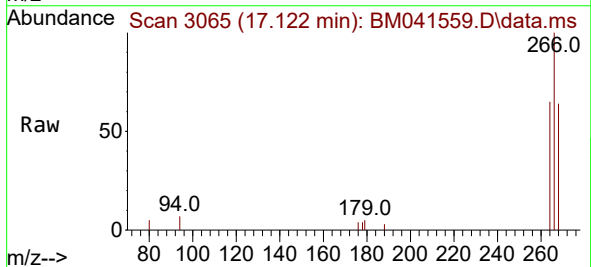
Tgt Ion:266 Resp: 3083

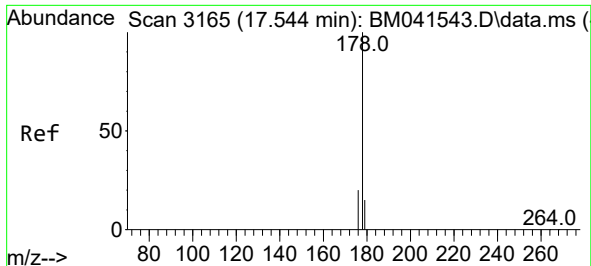
Ion Ratio Lower Upper

266 100

264 62.5 50.0 75.0

268 62.5 51.4 77.0

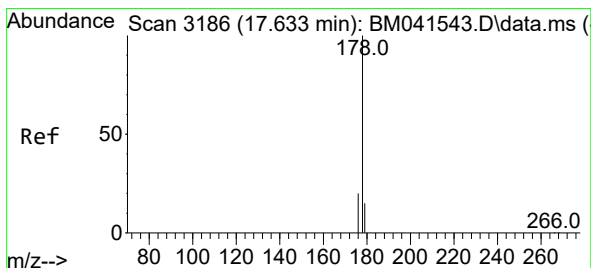
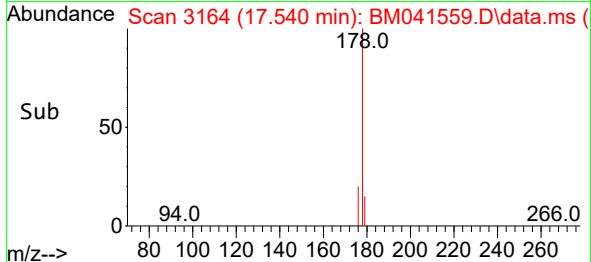
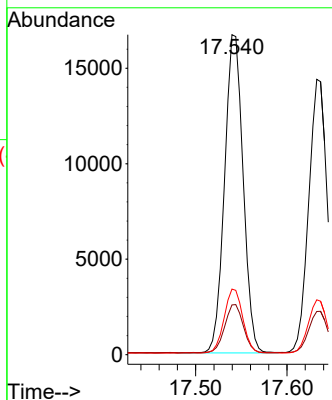
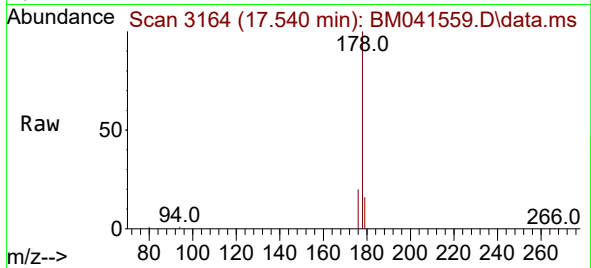




#15
Phenanthrene
Concen: 0.346 ng/ul
RT: 17.540 min Scan# 3165
Delta R.T. -0.004 min
Lab File: BM041559.D
Acq: 29 Aug 2023 14:38

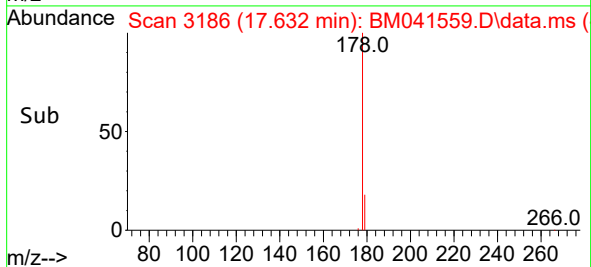
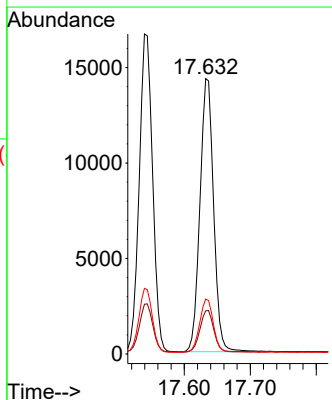
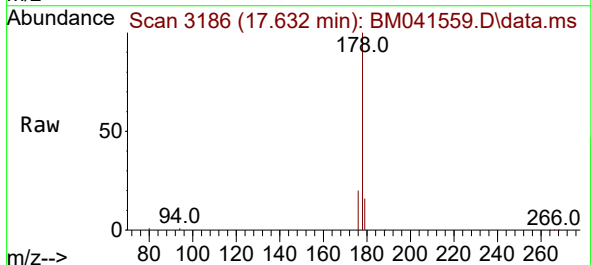
Instrument :
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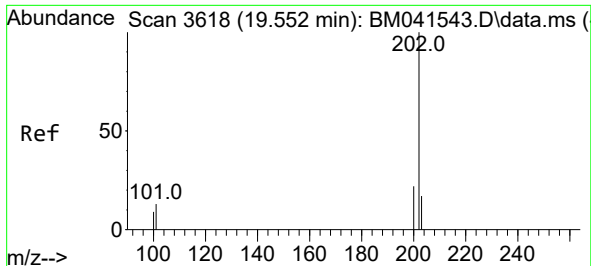
Tgt Ion:178	Resp:	23471
Ion Ratio	Lower	Upper
178	100	
179	15.6	12.6 18.8
176	20.5	16.3 24.5



#16
Anthracene
Concen: 0.331 ng/ul
RT: 17.632 min Scan# 3186
Delta R.T. -0.004 min
Lab File: BM041559.D
Acq: 29 Aug 2023 14:38

Tgt Ion:178	Resp:	20607
Ion Ratio	Lower	Upper
178	100	
179	15.7	12.6 19.0
176	19.9	15.9 23.9

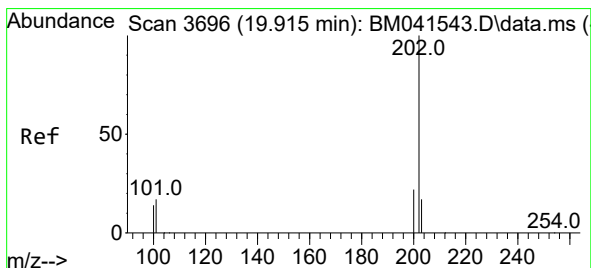
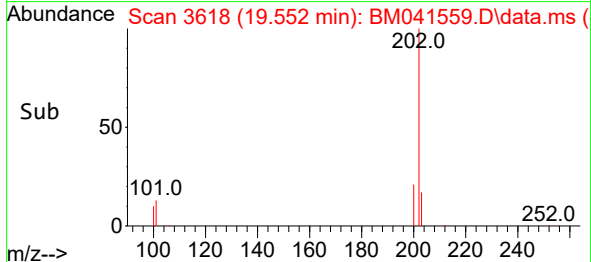
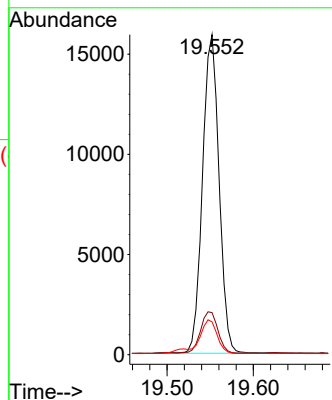
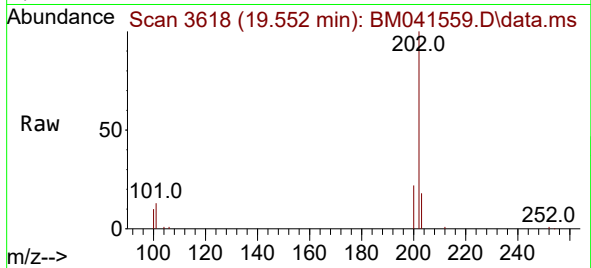




#19
Fluoranthene
Concen: 0.505 ng/ul
RT: 19.552 min Scan# 3618
Delta R.T. -0.005 min
Lab File: BM041559.D
Acq: 29 Aug 2023 14:38

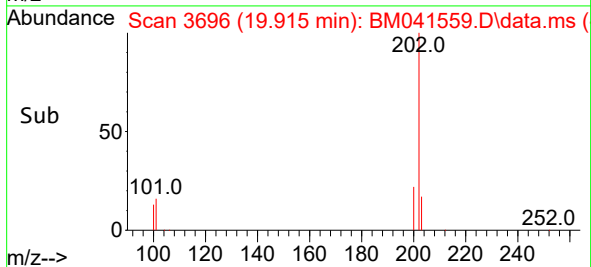
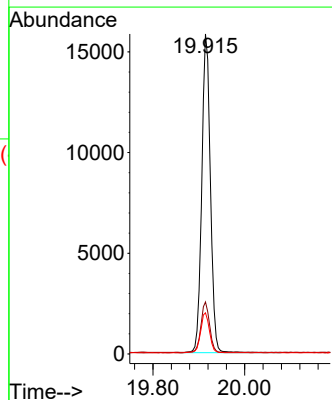
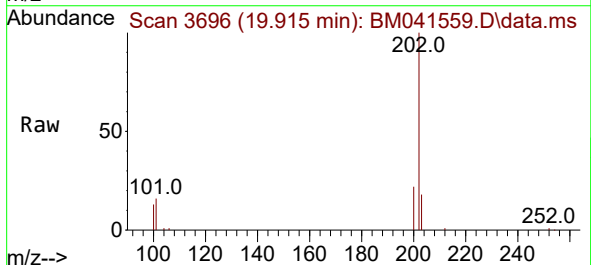
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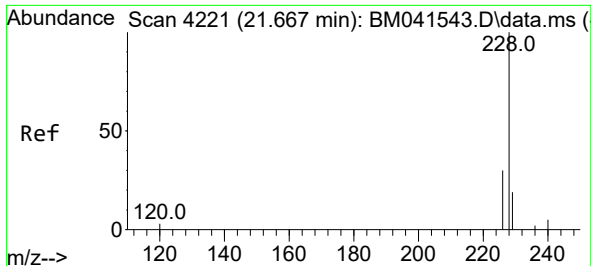
Tgt Ion:202 Resp: 21105
Ion Ratio Lower Upper
202 100
101 13.2 10.5 15.7
100 10.2 7.8 11.6



#20
Pyrene
Concen: 0.487 ng/ul
RT: 19.915 min Scan# 3696
Delta R.T. -0.009 min
Lab File: BM041559.D
Acq: 29 Aug 2023 14:38

Tgt Ion:202 Resp: 20595
Ion Ratio Lower Upper
202 100
101 16.3 11.6 17.4
100 12.8 9.1 13.7

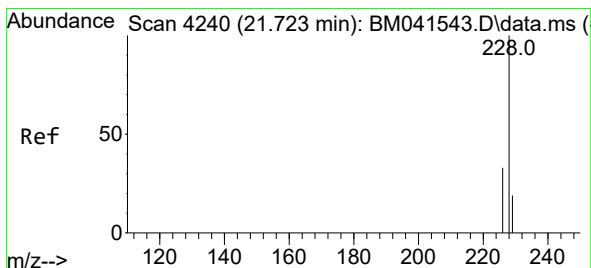
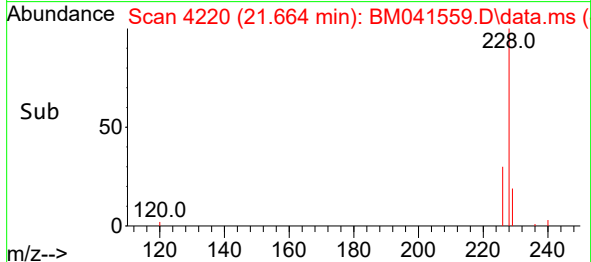
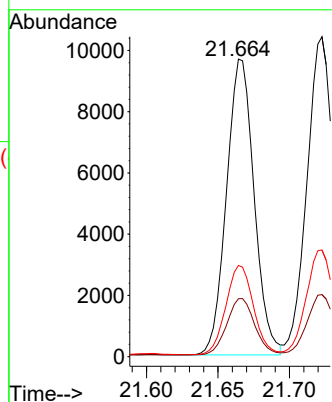
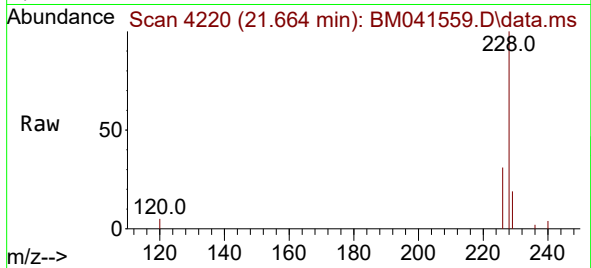




#21
Benzo(a)anthracene
Concen: 0.405 ng/ul
RT: 21.664 min Scan# 4221
Delta R.T. -0.012 min
Lab File: BM041559.D
Acq: 29 Aug 2023 14:38

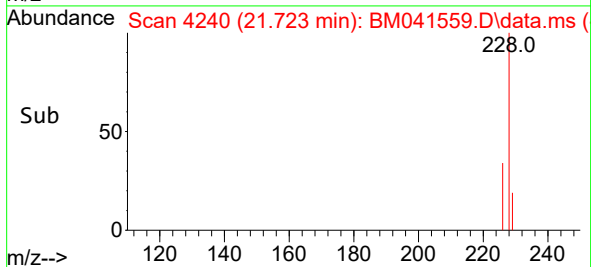
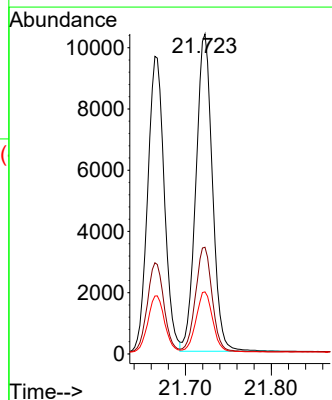
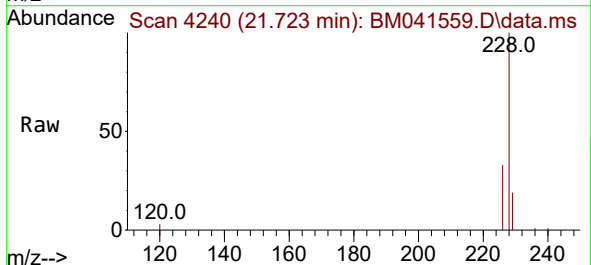
Instrument :
BNA_M
ClientSampleId :
SLCS077

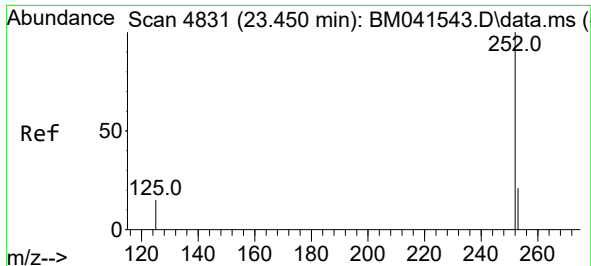
Tgt Ion	228	229	226
Resp:	12997		
Ion Ratio	100	19.5	30.6
Lower		15.8	24.0
Upper		23.6	36.0



#22
Chrysene
Concen: 0.433 ng/ul
RT: 21.723 min Scan# 4240
Delta R.T. -0.009 min
Lab File: BM041559.D
Acq: 29 Aug 2023 14:38

Tgt Ion	228	226	229
Resp:	13795		
Ion Ratio	100	33.3	19.4
Lower		26.3	15.4
Upper		39.5	23.2

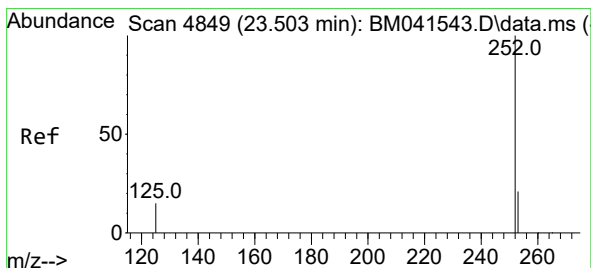
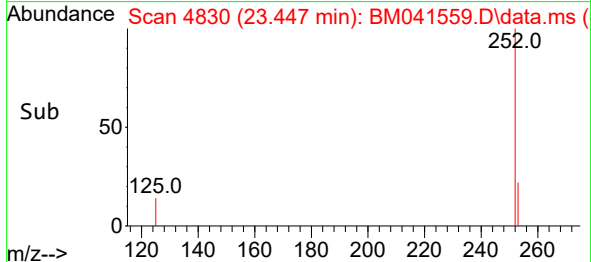
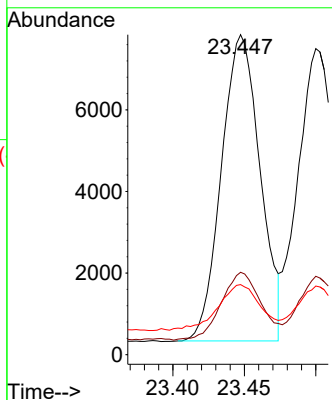
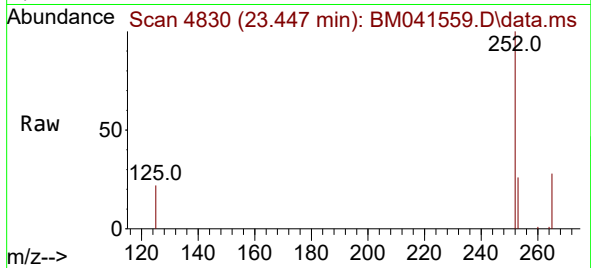




#24
Benzo(b)fluoranthene
Concen: 0.454 ng/ul
RT: 23.447 min Scan# 4830
Delta R.T. -0.015 min
Lab File: BM041559.D
Acq: 29 Aug 2023 14:38

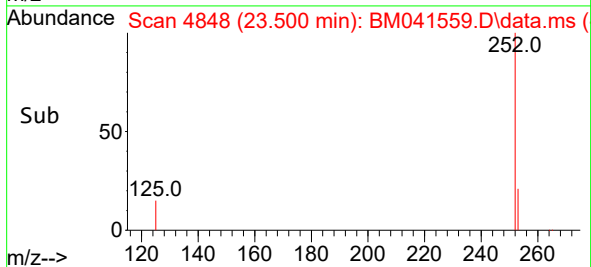
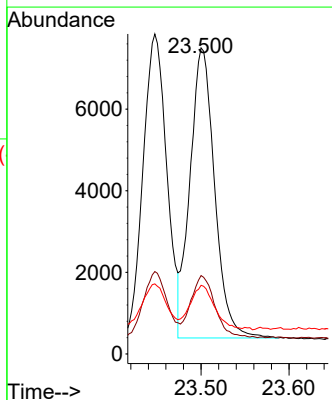
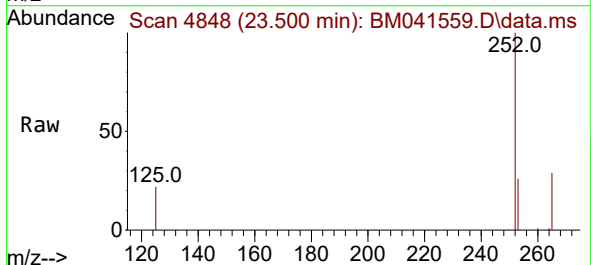
Instrument :
BNA_M
ClientSampleId :
SLCS077

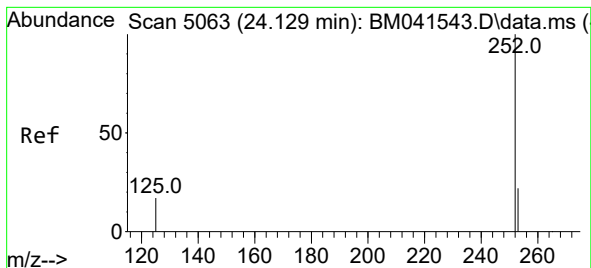
Tgt Ion:252 Resp: 14153
Ion Ratio Lower Upper
252 100
253 25.7 0.0 47.0
125 21.9 0.0 37.2



#25
Benzo(k)fluoranthene
Concen: 0.455 ng/ul
RT: 23.500 min Scan# 4848
Delta R.T. -0.018 min
Lab File: BM041559.D
Acq: 29 Aug 2023 14:38

Tgt Ion:252 Resp: 13869
Ion Ratio Lower Upper
252 100
253 25.6 19.3 28.9
125 22.4 15.0 22.4#





#26

Benzo(a)pyrene

Concen: 0.444 ng/ul

RT: 24.126 min Scan# 5063

Delta R.T. -0.018 min

Lab File: BM041559.D

Acq: 29 Aug 2023 14:38

Instrument :

BNA_M

ClientSampleId :

SLCS077

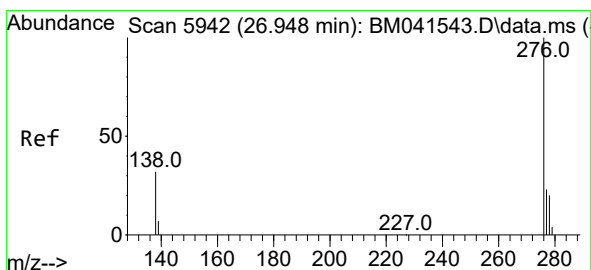
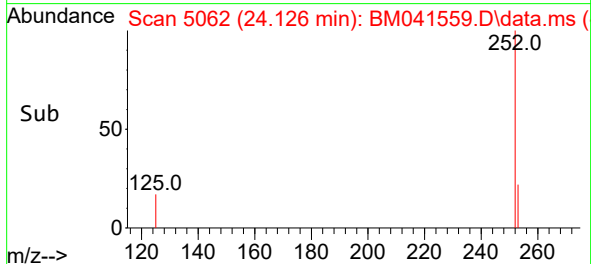
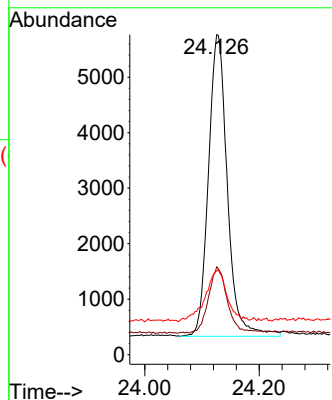
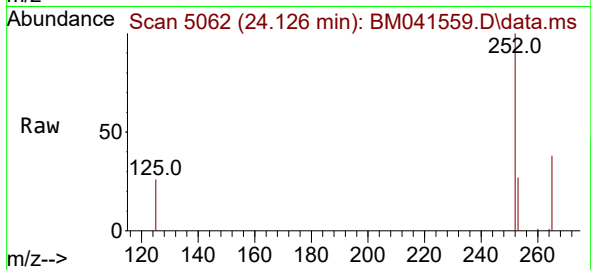
Tgt Ion:252 Resp: 12503

Ion Ratio Lower Upper

252 100

253 27.4 20.0 30.0

125 26.1 17.1 25.7#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.438 ng/ul

RT: 26.951 min Scan# 5943

Delta R.T. -0.020 min

Lab File: BM041559.D

Acq: 29 Aug 2023 14:38

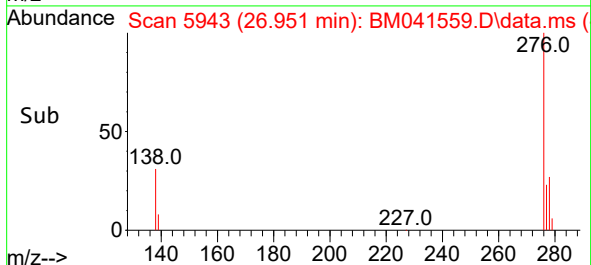
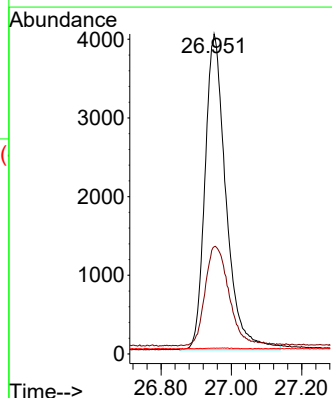
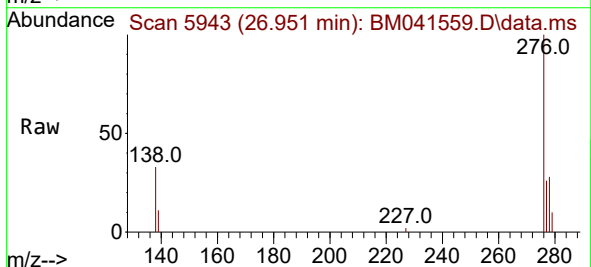
Tgt Ion:276 Resp: 16589

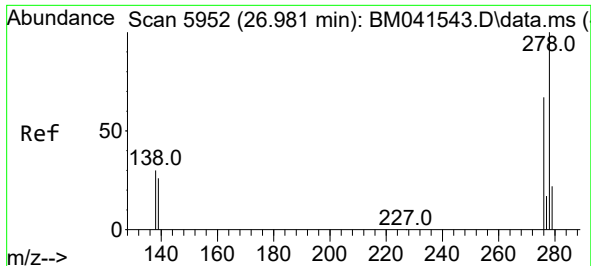
Ion Ratio Lower Upper

276 100

138 36.0 27.3 40.9

227 0.1 0.0 0.0#

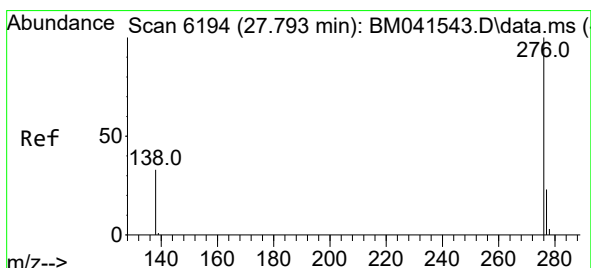
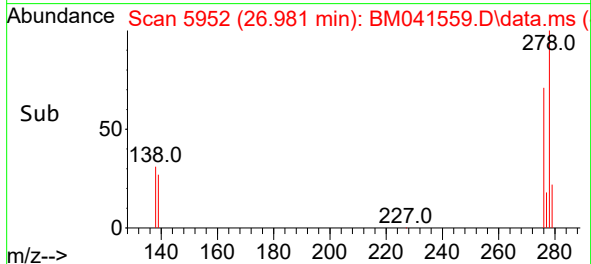
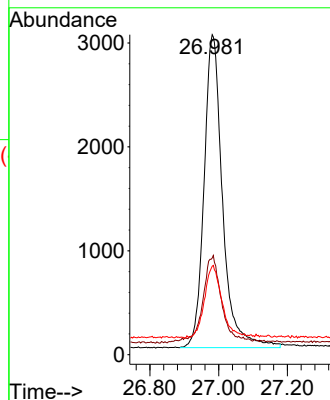
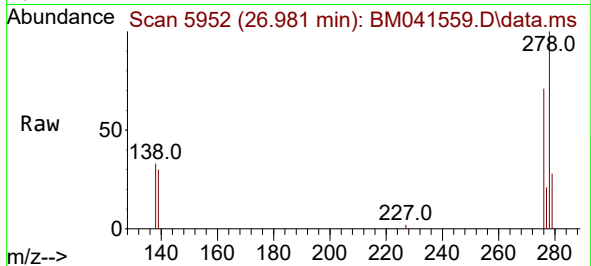




#28
Dibenzo(a,h)anthracene
Concen: 0.414 ng/ul
RT: 26.981 min Scan# 5952
Delta R.T. -0.027 min
Lab File: BM041559.D
Acq: 29 Aug 2023 14:38

Instrument :
BNA_M
ClientSampleId :
SLCS077

Tgt Ion:278 Resp: 11270
Ion Ratio Lower Upper
278 100
139 30.2 22.2 33.2
279 27.7 20.4 30.6



#29
Benzo(g,h,i)perylene
Concen: 0.445 ng/ul
RT: 27.793 min Scan# 6194
Delta R.T. -0.024 min
Lab File: BM041559.D
Acq: 29 Aug 2023 14:38

Tgt Ion:276 Resp: 14130
Ion Ratio Lower Upper
276 100
138 33.9 25.9 38.9
277 25.9 19.1 28.7

