

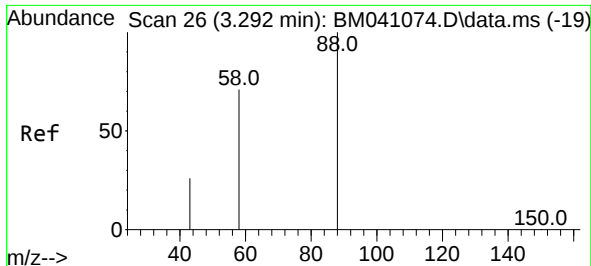
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041080.D
 Acq On : 24 Jul 2023 18:13
 Operator : MA/JU
 Sample : PB154140BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS140

Quant Time: Jul 25 00:30:07 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 : Tue Jul 25 00:13:11 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.832	152	2745	0.400	ng/ul	0.00
4) Naphthalene-d8	10.636	136	9093	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.495	164	4863	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.249	188	10431	0.400	ng/ul	0.00
17) Chrysene-d12	21.448	240	9781	0.400	ng/ul	0.00
23) Perylene-d12	23.839	264	9932	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.250	96	26108	6.165	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.198	152	21423	1.650	ng/ul	-0.05
18) Fluoranthene-d10	19.283	212	9914	0.372	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.284	88	57379	13.261	ng/ul#	42
5) Naphthalene	10.686	128	779230	26.333	ng/ul	97
7) 2-Methylnaphthalene	12.308	142	473545	32.668	ng/ul	96
8) 1-Methylnaphthalene	12.528	142	461736	31.011	ng/ul	99
10) Acenaphthylene	14.213	152	719102	35.005	ng/ul	97
11) Acenaphthene	14.555	153	527489	30.432	ng/ul	98
12) Fluorene	15.545	166	628103	33.202	ng/ul	98
14) Pentachlorophenol	16.902	266	135745	44.714	ng/ul	98
15) Phenanthrene	17.291	178	955703	29.723	ng/ul	98
16) Anthracene	17.384	178	970895	37.298	ng/ul	97
19) Fluoranthene	19.315	202	1170181	33.381	ng/ul	97
20) Pyrene	19.682	202	1205027	31.176	ng/ul	96
21) Benzo(a)anthracene	21.434	228	1196314	36.585	ng/ul	99
22) Chrysene	21.486	228	1116700	29.569	ng/ul	99
24) Benzo(b)fluoranthene	23.108	252	1260544	31.852	ng/ul	86
25) Benzo(k)fluoranthene	23.155	252	1247280	33.016	ng/ul#	86
26) Benzo(a)pyrene	23.728	252	1089461	33.985	ng/ul#	78
27) Indeno(1,2,3-cd)pyrene	26.300	276	1538039	32.406	ng/ul	100
28) Dibenzo(a,h)anthracene	26.310	278	1225064	32.908	ng/ul#	89
29) Benzo(g,h,i)perylene	27.055	276	1325947	31.260	ng/ul	95

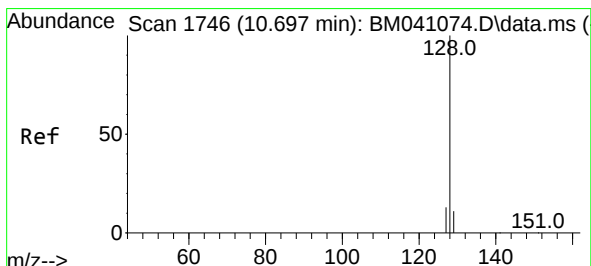
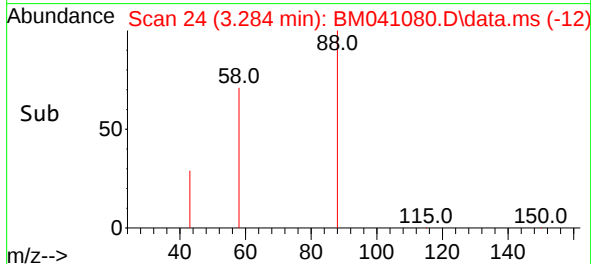
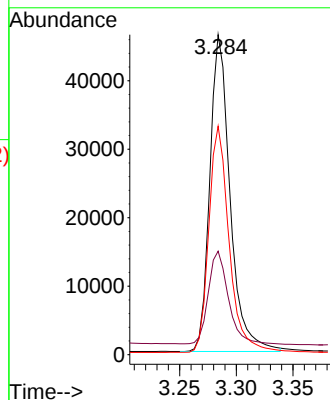
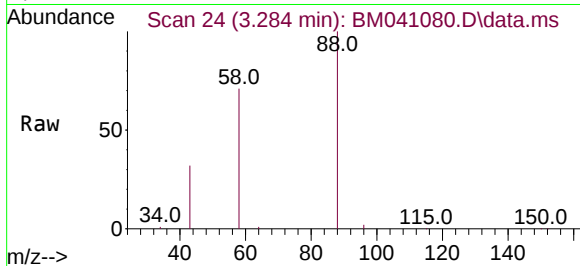
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
1,4-Dioxane
Concen: 13.261 ng/ul
RT: 3.284 min Scan# 24
Delta R.T. -0.008 min
Lab File: BM041080.D
Acq: 24 Jul 2023 18:13

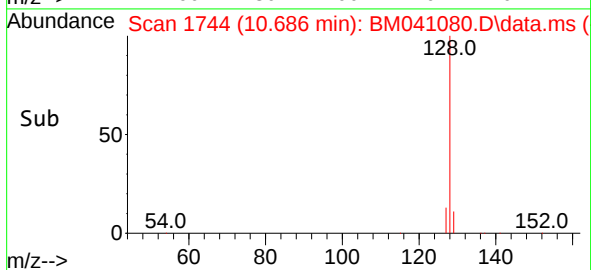
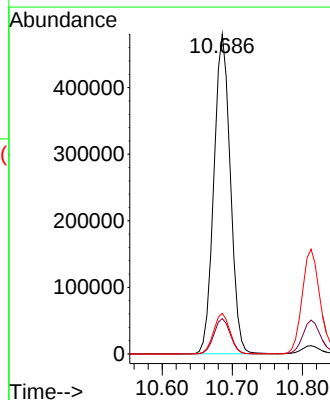
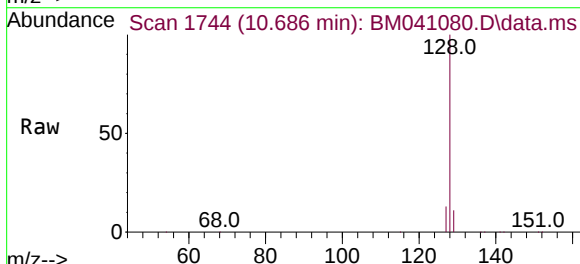
Instrument :
BNA_M
ClientSampleId :
SLCS140

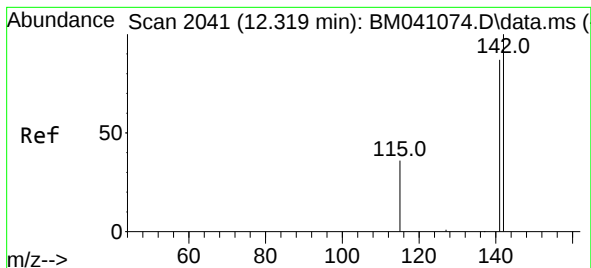
Tgt Ion: 88 Resp: 57379
Ion Ratio Lower Upper
88 100
43 32.4 83.1 124.7#
58 71.4 38.8 58.2#



#5
Naphthalene
Concen: 26.333 ng/ul
RT: 10.686 min Scan# 1744
Delta R.T. -0.011 min
Lab File: BM041080.D
Acq: 24 Jul 2023 18:13

Tgt Ion: 128 Resp: 779230
Ion Ratio Lower Upper
128 100
129 11.1 9.8 14.8
127 12.7 11.1 16.7

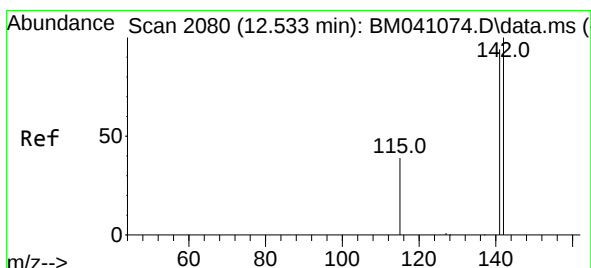
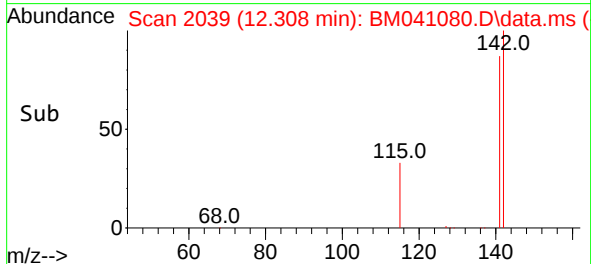
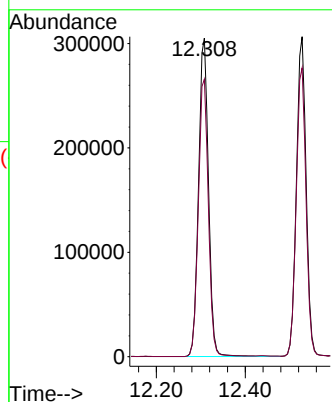
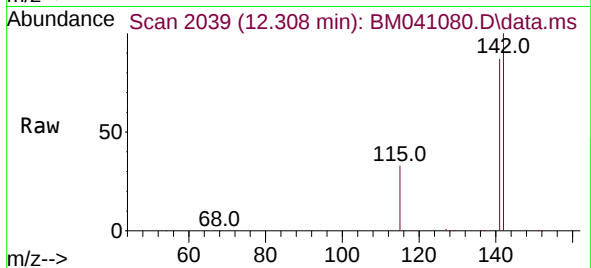




#7
2-Methylnaphthalene
Concen: 32.668 ng/ul
RT: 12.308 min Scan# 2079
Delta R.T. -0.011 min
Lab File: BM041080.D
Acq: 24 Jul 2023 18:13

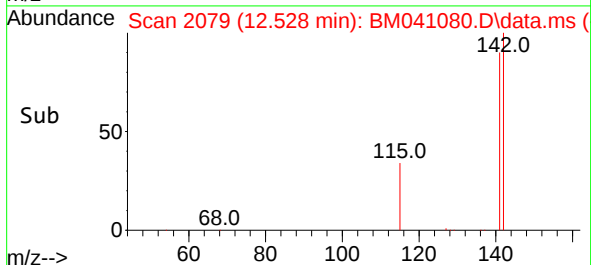
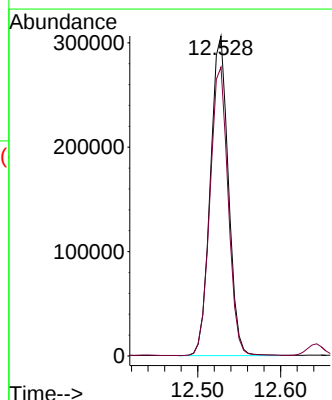
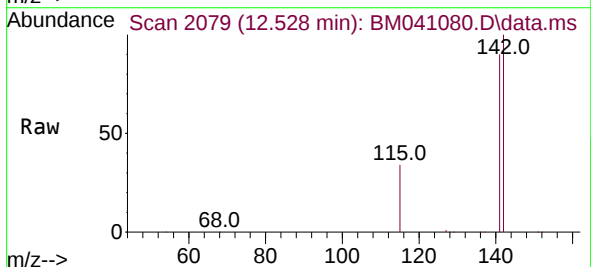
Instrument :
BNA_M
ClientSampleId :
SLCS140

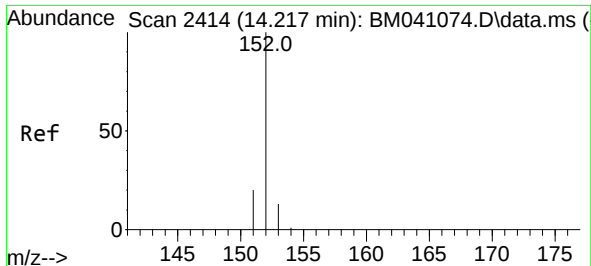
Tgt Ion:142 Resp: 473545
Ion Ratio Lower Upper
142 100
141 87.9 73.3 109.9



#8
1-Methylnaphthalene
Concen: 31.011 ng/ul
RT: 12.528 min Scan# 2079
Delta R.T. -0.005 min
Lab File: BM041080.D
Acq: 24 Jul 2023 18:13

Tgt Ion:142 Resp: 461736
Ion Ratio Lower Upper
142 100
141 91.1 73.6 110.4

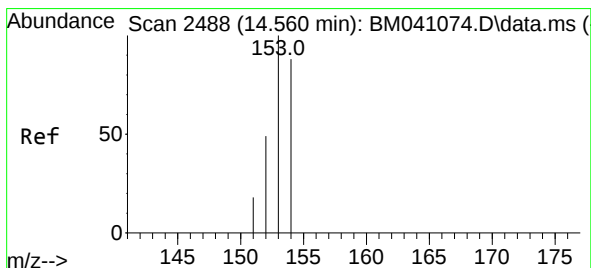
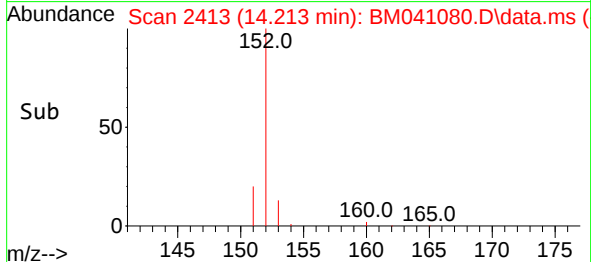
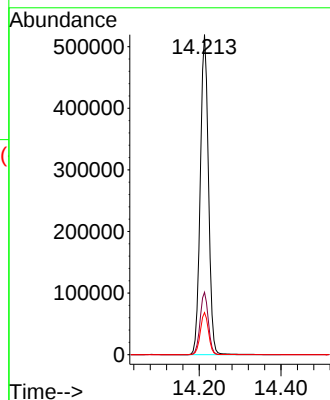
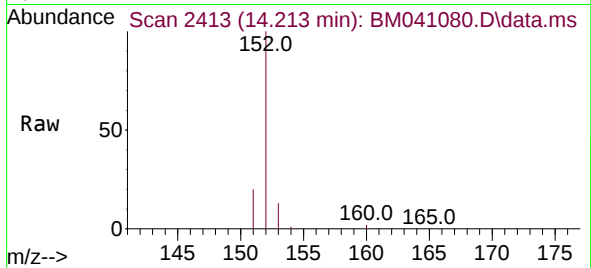




#10
Acenaphthylene
Concen: 35.005 ng/u1
RT: 14.213 min Scan# 2413
Delta R.T. -0.004 min
Lab File: BM041080.D
Acq: 24 Jul 2023 18:13

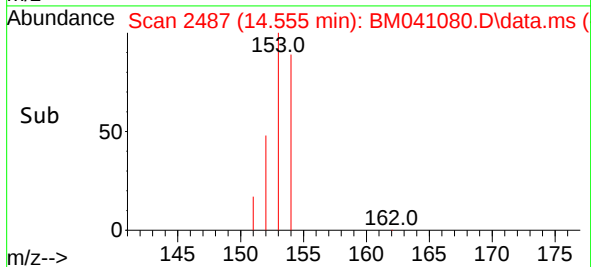
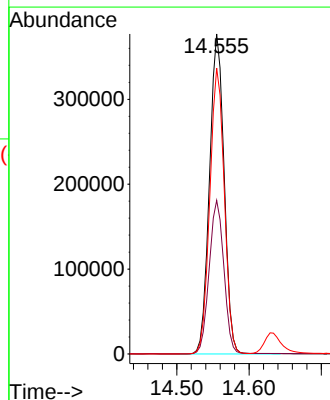
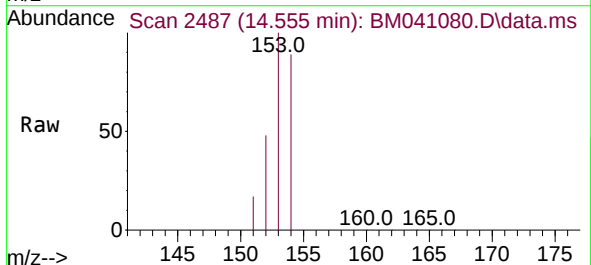
Instrument :
BNA_M
ClientSampleId :
SLCS140

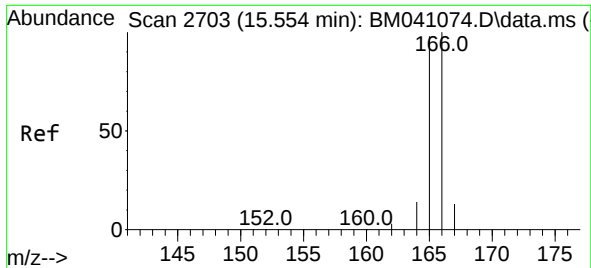
Tgt Ion:152 Resp: 719102
Ion Ratio Lower Upper
152 100
151 19.5 16.8 25.2
153 13.2 11.4 17.2



#11
Acenaphthene
Concen: 30.432 ng/u1
RT: 14.555 min Scan# 2487
Delta R.T. -0.004 min
Lab File: BM041080.D
Acq: 24 Jul 2023 18:13

Tgt Ion:153 Resp: 527489
Ion Ratio Lower Upper
153 100
152 48.0 40.2 60.4
154 89.4 70.3 105.5

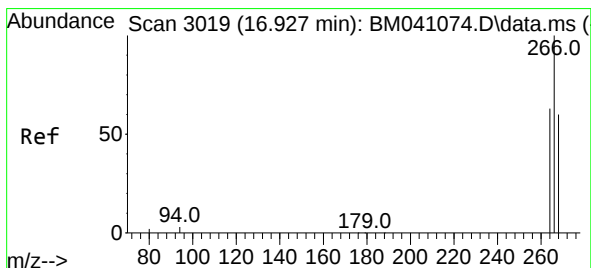
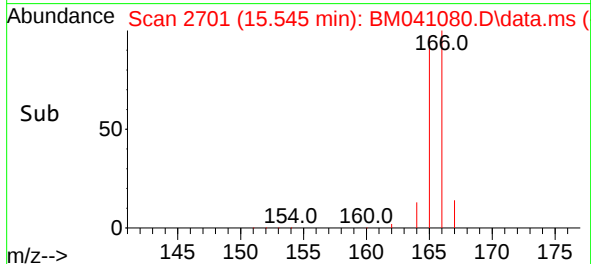
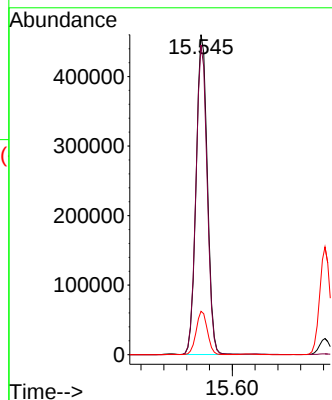
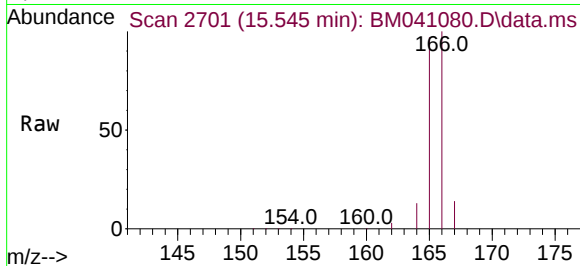




#12
 Fluorene
 Concen: 33.202 ng/ul
 RT: 15.545 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BM041080.D
 Acq: 24 Jul 2023 18:13

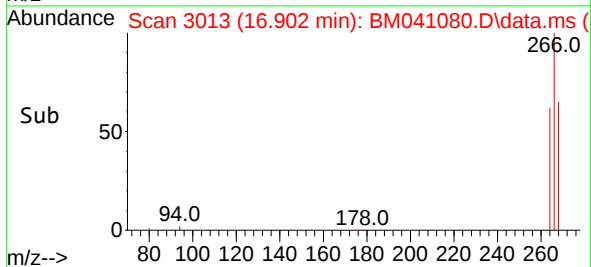
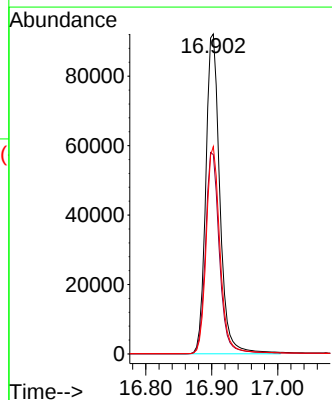
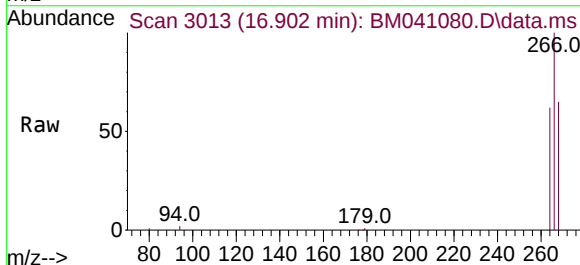
Instrument :
 BNA_M
 ClientSampleId :
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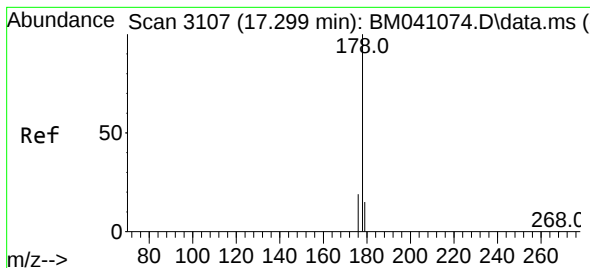
Tgt Ion:166 Resp: 628103
 Ion Ratio Lower Upper
 166 100
 165 96.8 79.4 119.0
 167 13.5 11.4 17.2



#14
 Pentachlorophenol
 Concen: 44.714 ng/ul
 RT: 16.902 min Scan# 3013
 Delta R.T. -0.025 min
 Lab File: BM041080.D
 Acq: 24 Jul 2023 18:13

Tgt Ion:266 Resp: 135745
 Ion Ratio Lower Upper
 266 100
 264 62.8 49.2 73.8
 268 64.1 49.9 74.9





#15

Phenanthrene

Concen: 29.723 ng/ul

RT: 17.291 min Scan# 3105

Delta R.T. -0.008 min

Lab File: BM041080.D

Acq: 24 Jul 2023 18:13

Instrument :

BNA_M

ClientSampleId :

SLCS140

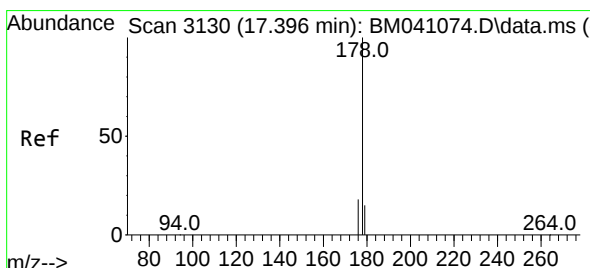
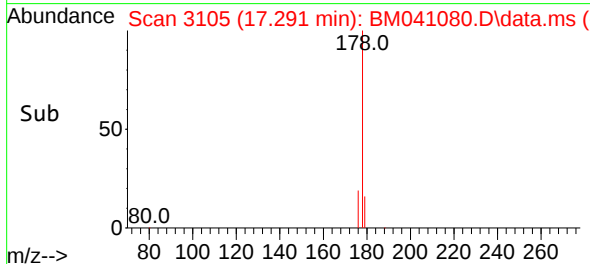
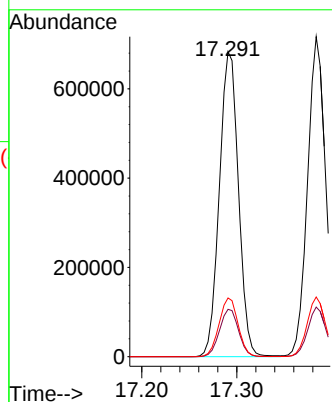
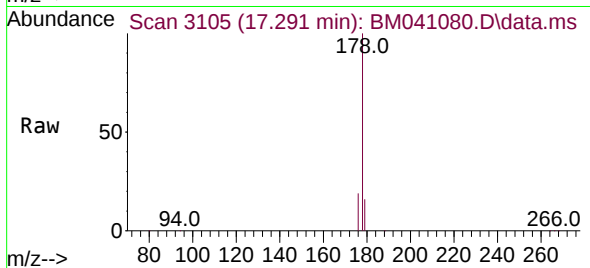
Tgt Ion:178 Resp: 955703

Ion Ratio Lower Upper

178 100

179 15.5 13.4 20.2

176 19.2 16.0 24.0



#16

Anthracene

Concen: 37.298 ng/ul

RT: 17.384 min Scan# 3127

Delta R.T. -0.012 min

Lab File: BM041080.D

Acq: 24 Jul 2023 18:13

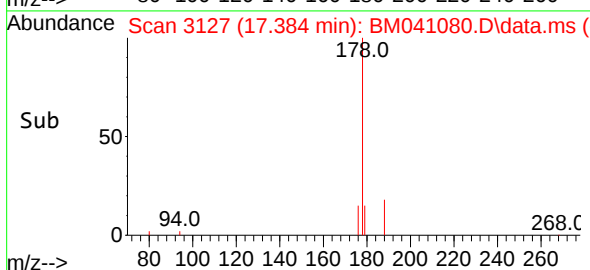
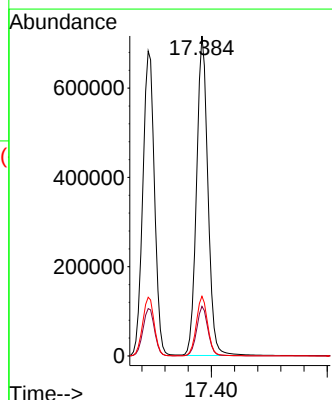
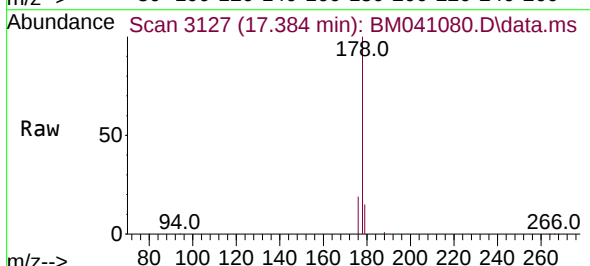
Tgt Ion:178 Resp: 970895

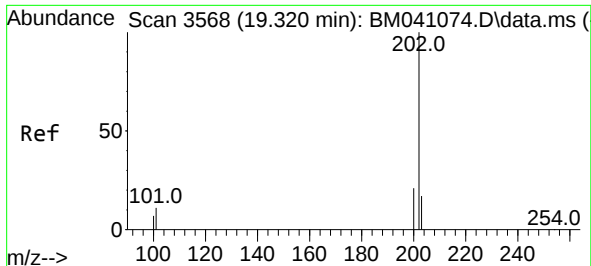
Ion Ratio Lower Upper

178 100

179 15.5 13.6 20.4

176 18.6 16.0 24.0

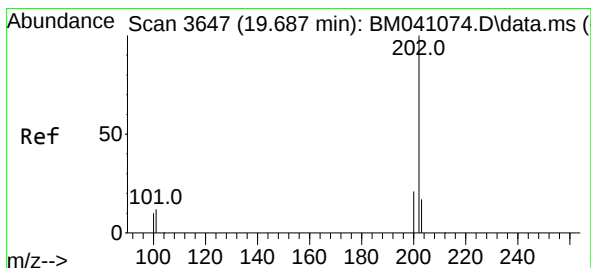
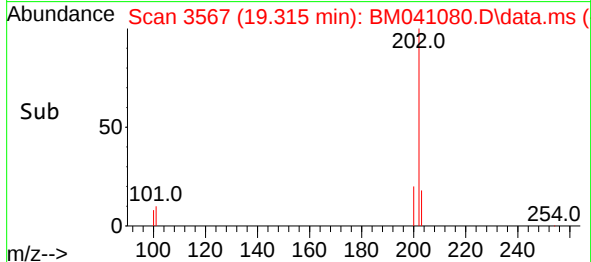
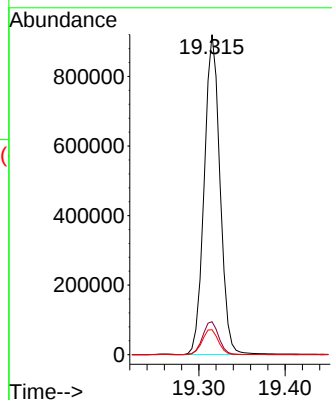
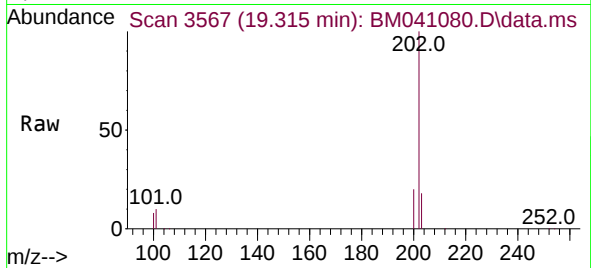




#19
Fluoranthene
Concen: 33.381 ng/ul
RT: 19.315 min Scan# 3567
Delta R.T. -0.004 min
Lab File: BM041080.D
Acq: 24 Jul 2023 18:13

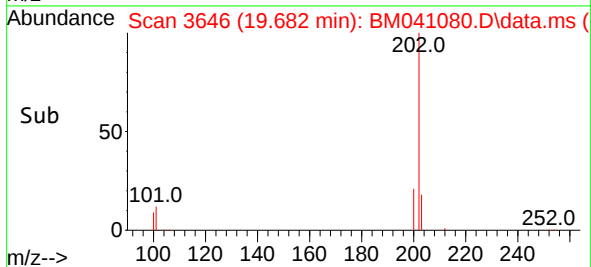
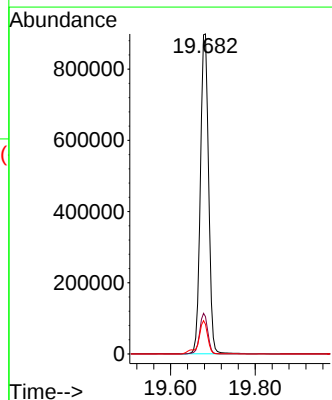
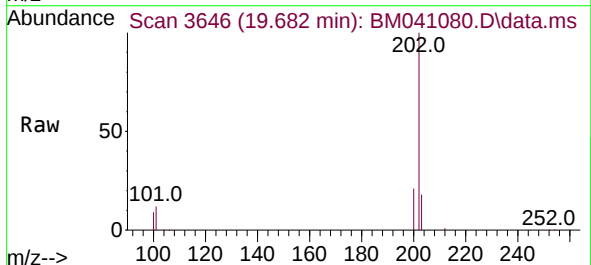
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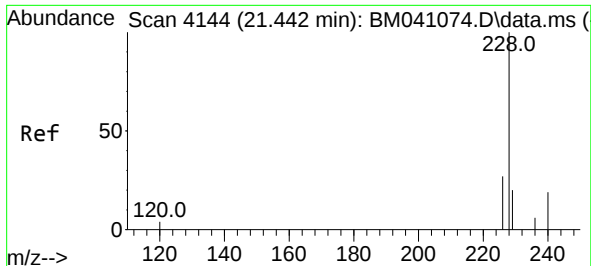
Tgt Ion:202 Resp: 1170181
Ion Ratio Lower Upper
202 100
101 10.3 9.4 14.0
100 7.8 7.1 10.7



#20
Pyrene
Concen: 31.176 ng/ul
RT: 19.682 min Scan# 3646
Delta R.T. -0.004 min
Lab File: BM041080.D
Acq: 24 Jul 2023 18:13

Tgt Ion:202 Resp: 1205027
Ion Ratio Lower Upper
202 100
101 11.6 10.7 16.1
100 9.2 8.5 12.7

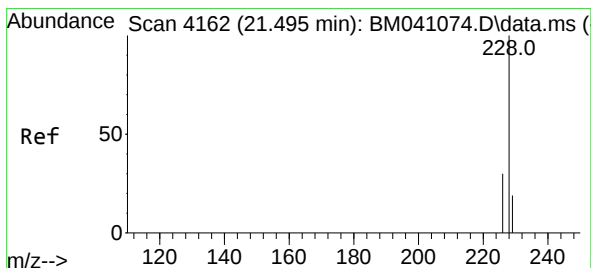
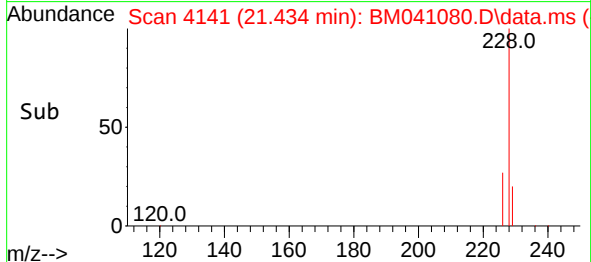
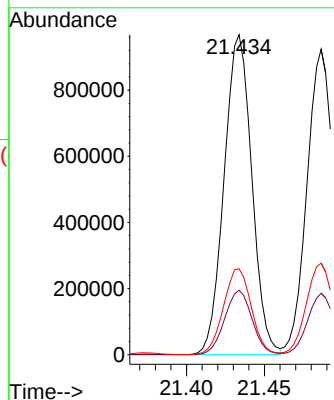
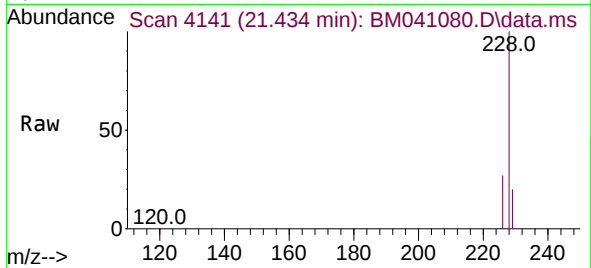




#21
Benzo(a)anthracene
Concen: 36.585 ng/u1
RT: 21.434 min Scan# 4144
Delta R.T. -0.009 min
Lab File: BM041080.D
Acq: 24 Jul 2023 18:13

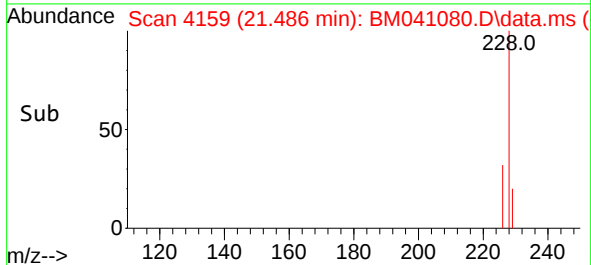
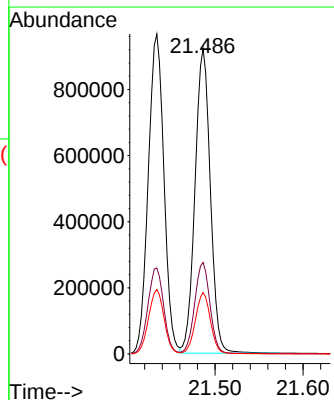
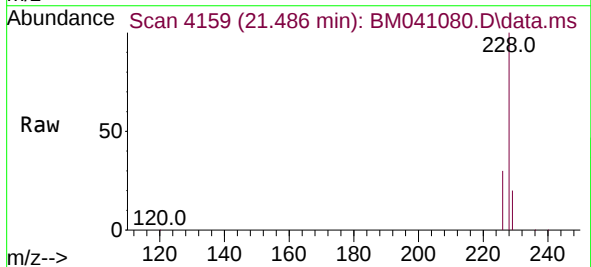
Instrument :
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ClientSampleId :
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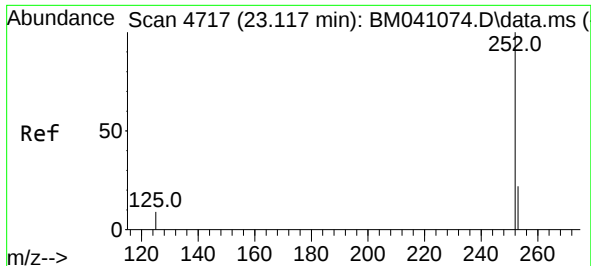
Tgt Ion:228 Resp: 1196314
Ion Ratio Lower Upper
228 100
229 20.2 16.5 24.7
226 26.9 22.2 33.2



#22
Chrysene
Concen: 29.569 ng/u1
RT: 21.486 min Scan# 4159
Delta R.T. -0.009 min
Lab File: BM041080.D
Acq: 24 Jul 2023 18:13

Tgt Ion:228 Resp: 1116700
Ion Ratio Lower Upper
228 100
226 29.9 24.2 36.4
229 20.1 15.9 23.9

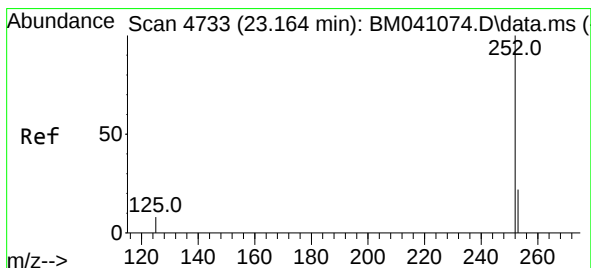
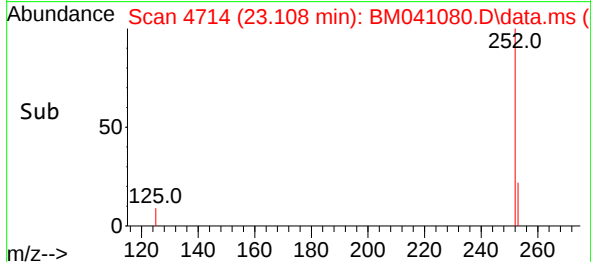
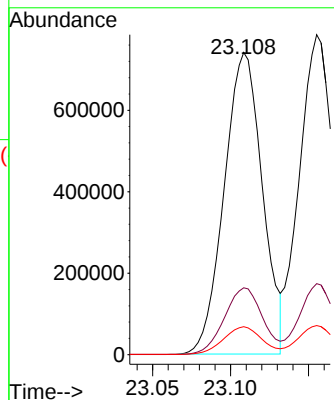
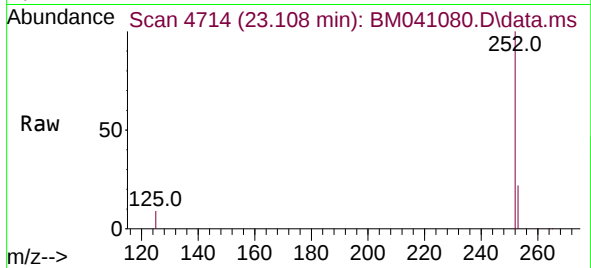




#24
Benzo(b)fluoranthene
Concen: 31.852 ng/ul
RT: 23.108 min Scan# 4714
Delta R.T. -0.009 min
Lab File: BM041080.D
Acq: 24 Jul 2023 18:13

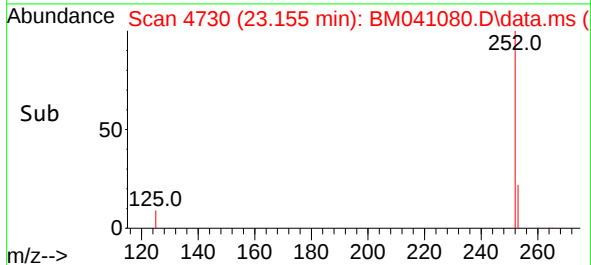
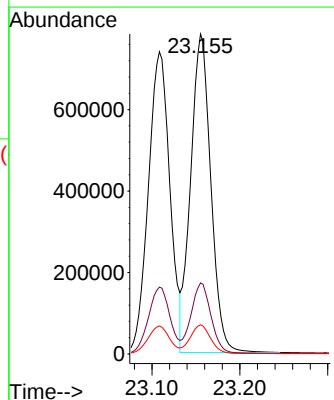
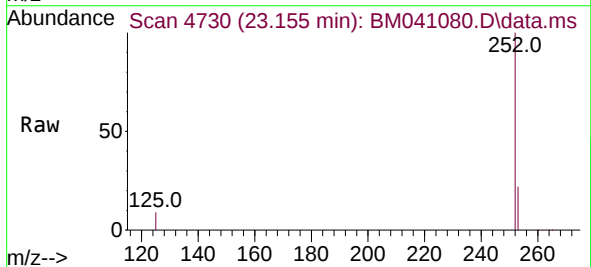
Instrument :
BNA_M
ClientSampleId :
SLCS140

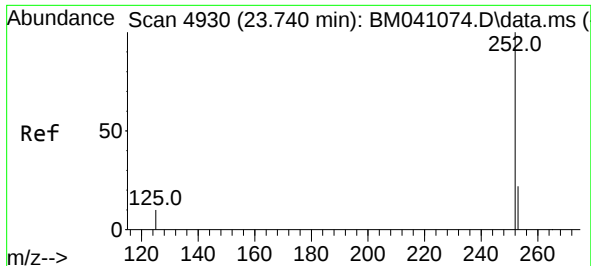
Tgt Ion:252 Resp: 1260544
Ion Ratio Lower Upper
252 100
253 22.2 0.0 57.6
125 9.3 0.0 33.6



#25
Benzo(k)fluoranthene
Concen: 33.016 ng/ul
RT: 23.155 min Scan# 4730
Delta R.T. -0.009 min
Lab File: BM041080.D
Acq: 24 Jul 2023 18:13

Tgt Ion:252 Resp: 1247280
Ion Ratio Lower Upper
252 100
253 22.2 22.8 34.2#
125 9.1 13.5 20.3#

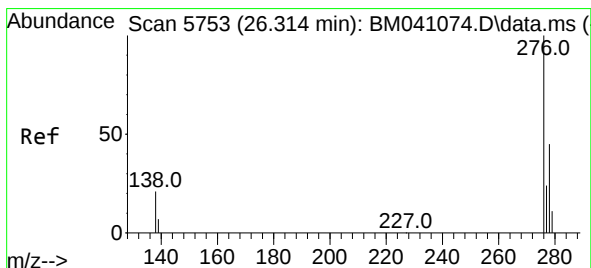
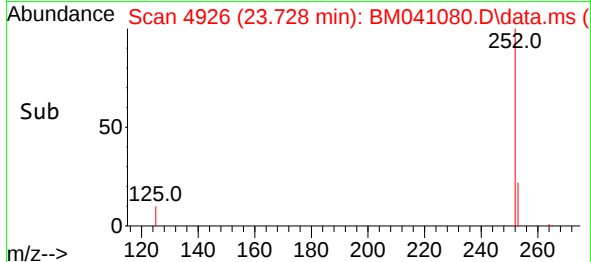
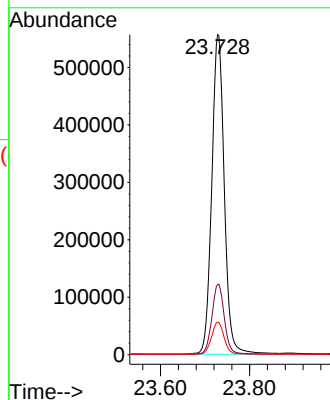
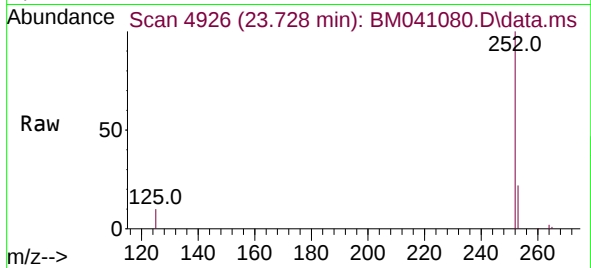




#26
Benzo(a)pyrene
Concen: 33.985 ng/ul
RT: 23.728 min Scan# 4930
Delta R.T. -0.011 min
Lab File: BM041080.D
Acq: 24 Jul 2023 18:13

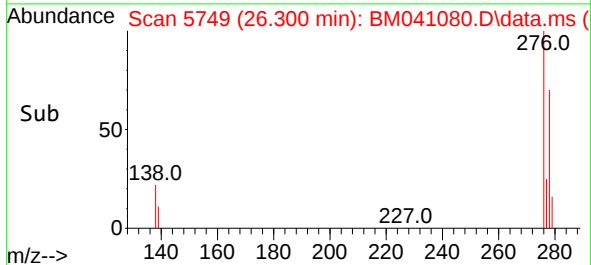
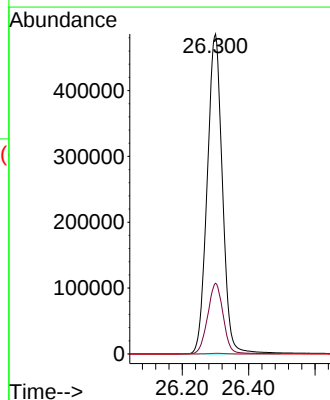
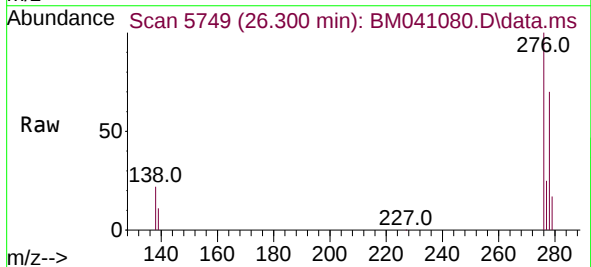
Instrument :
BNA_M
ClientSampleId :
SLCS140

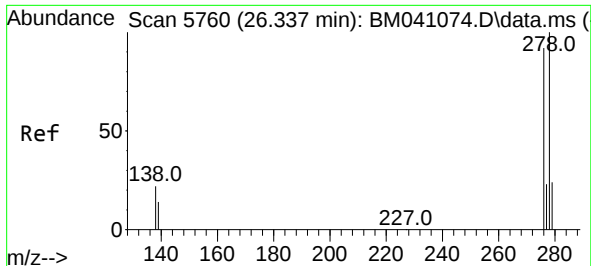
Tgt Ion:252 Resp: 1089461
Ion Ratio Lower Upper
252 100
253 21.9 26.7 40.1#
125 10.2 18.1 27.1#



#27
Indeno(1,2,3-cd)pyrene
Concen: 32.406 ng/ul
RT: 26.300 min Scan# 5749
Delta R.T. -0.013 min
Lab File: BM041080.D
Acq: 24 Jul 2023 18:13

Tgt Ion:276 Resp: 1538039
Ion Ratio Lower Upper
276 100
138 22.6 18.1 27.1
227 0.2 0.2 0.2

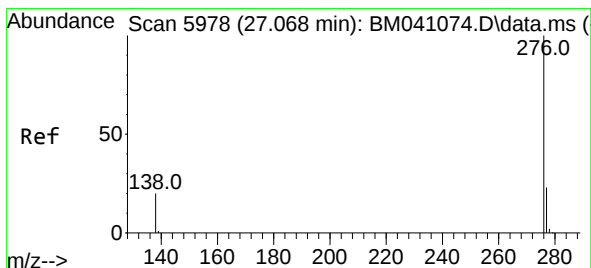
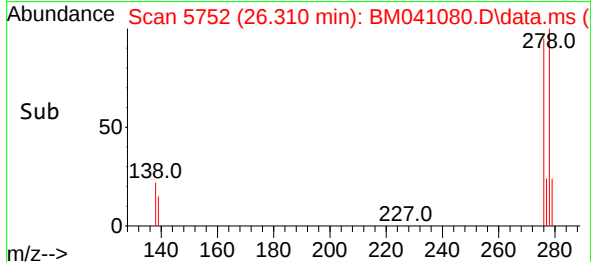
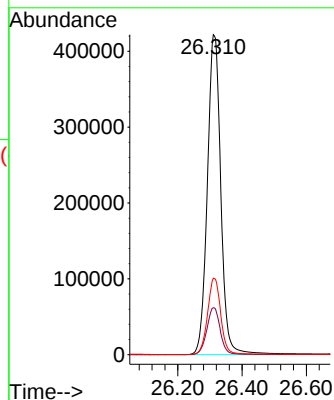
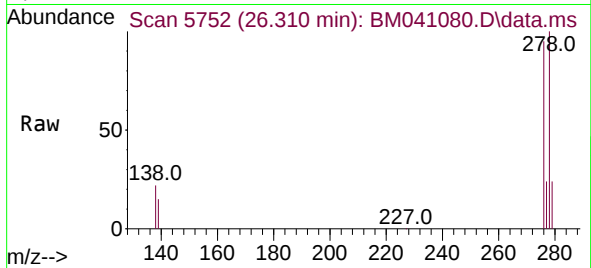




#28
Dibenzo(a,h)anthracene
Concen: 32.908 ng/ul
RT: 26.310 min Scan# 51
Delta R.T. -0.027 min
Lab File: BM041080.D
Acq: 24 Jul 2023 18:13

Instrument :
BNA_M
ClientSampleId :
SLCS140

Tgt Ion:278 Resp: 1225064
Ion Ratio Lower Upper
278 100
139 14.6 14.1 21.1
279 23.9 25.0 37.4#



#29
Benzo(g,h,i)perylene
Concen: 31.260 ng/ul
RT: 27.055 min Scan# 5974
Delta R.T. -0.013 min
Lab File: BM041080.D
Acq: 24 Jul 2023 18:13

Tgt Ion:276 Resp: 1325947
Ion Ratio Lower Upper
276 100
138 19.6 18.2 27.2
277 23.8 20.6 30.8

