

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043117.D
 Acq On : 01 Dec 2023 11:11
 Operator : MA/JU
 Sample : 05459-18
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA6

Quant Time: Dec 01 23:18:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
 Response via : Initial Calibration

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

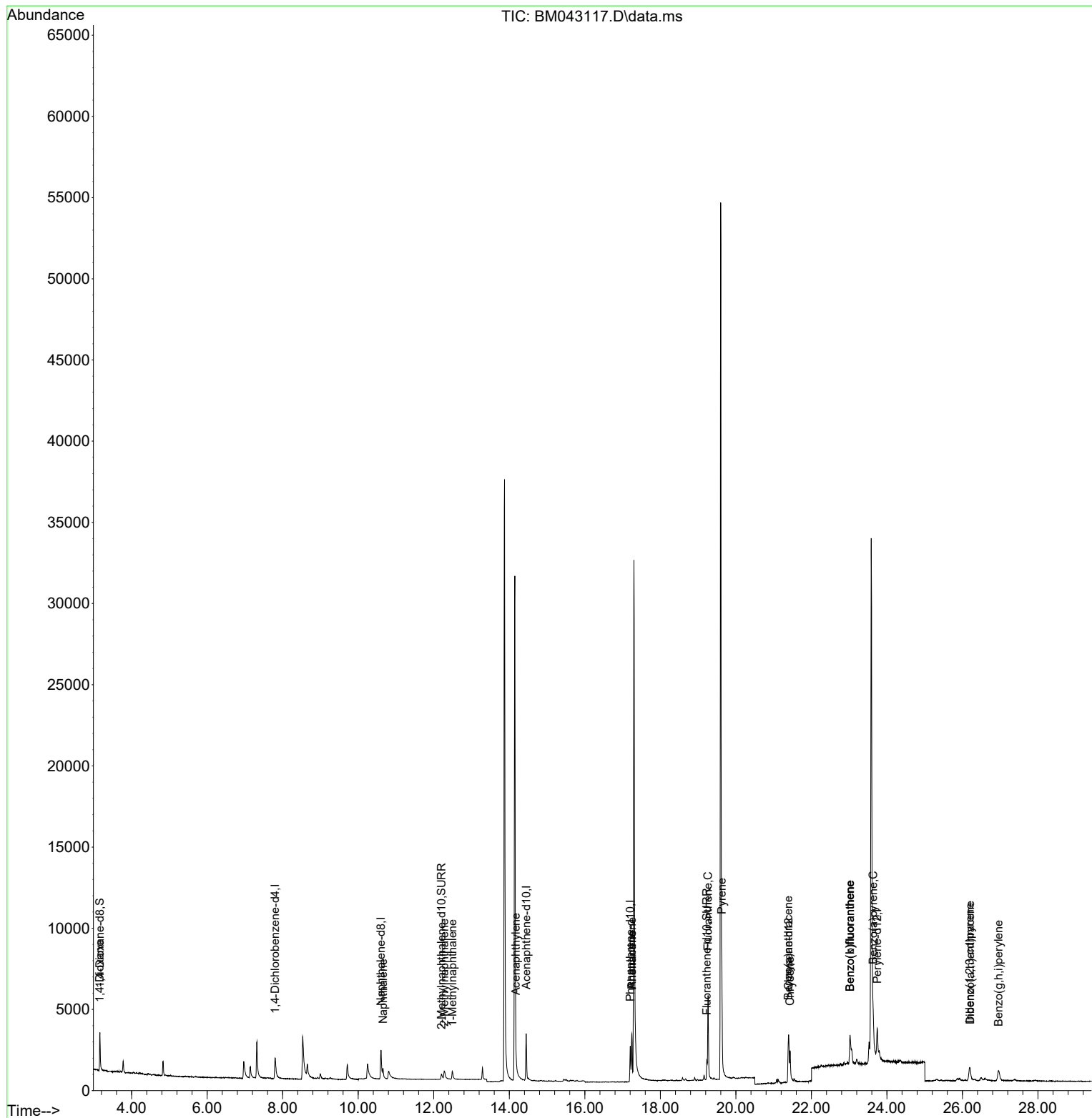
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.800	152	1035	0.400	ng/ul	#-0.06
4) Naphthalene-d8	10.601	136	3169	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.447	164	1603	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.205	188	3246	0.400	ng/ul	#-0.03
17) Chrysene-d12	21.397	240	2245	0.400	ng/ul	-0.01
23) Perylene-d12	23.744	264	3877	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.160	96	1604	1.010	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.207	152	772	0.182	ng/ul	-0.03
18) Fluoranthene-d10	19.230	212	1566	0.191	ng/ul	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.151	88	59	0.035	ng/ul#	79
5) Naphthalene	10.656	128	947	0.110	ng/ul	96
7) 2-Methylnaphthalene	12.278	142	697	0.137	ng/ul	96
8) 1-Methylnaphthalene	12.493	142	462	0.082	ng/ul	94
10) Acenaphthylene	14.174	152	295	0.036	ng/ul#	67
15) Phenanthrene	17.247	178	3535	0.382	ng/ul	97
16) Anthracene	17.247	178	3535	0.403	ng/ul	94
19) Fluoranthene	19.262	202	5456	0.429	ng/ul#	96
20) Pyrene	19.625	202	4846	0.358	ng/ul	98
21) Benzo(a)anthracene	21.385	228	2307	0.317	ng/ul	99
22) Chrysene	21.435	228	2092	0.154	ng/ul	95
24) Benzo(b)fluoranthene	23.022	252	3269	0.250	ng/ul	95
25) Benzo(k)fluoranthene	23.022	252	4861	0.270	ng/ul#	94
26) Benzo(a)pyrene	23.636	252	2100	0.147	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.191	276	2068	0.107	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.205	278	425	0.028	ng/ul#	19
29) Benzo(g,h,i)perylene	26.959	276	1778	0.095	ng/ul#	89

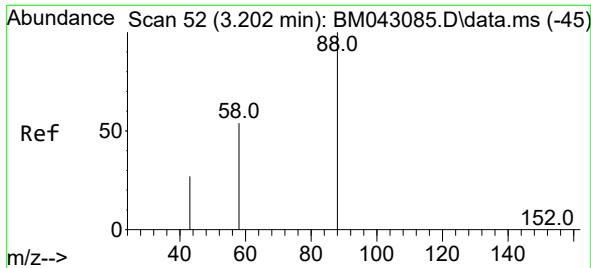
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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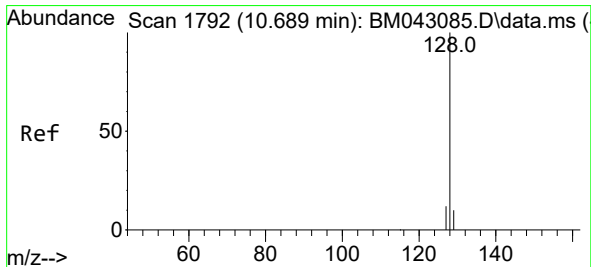
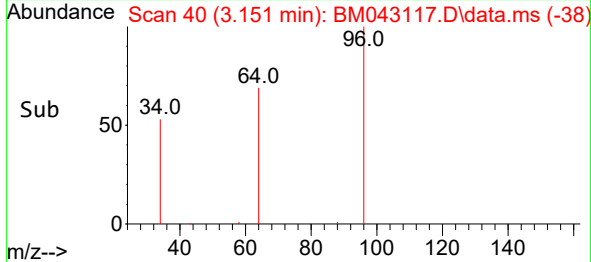
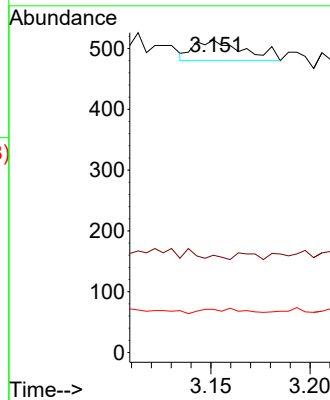
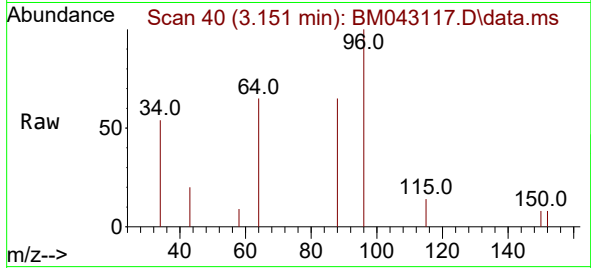




#2
1,4-Dioxane
Concen: 0.035 ng/ul
RT: 3.151 min Scan# 40
Delta R.T. -0.050 min
Lab File: BM043117.D
Acq: 01 Dec 2023 11:11

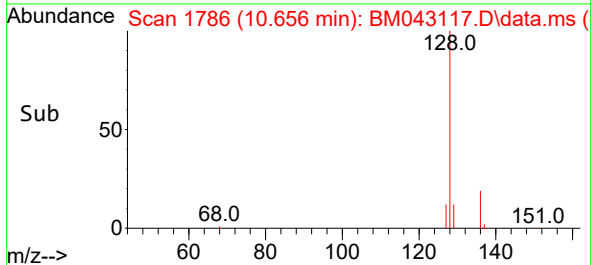
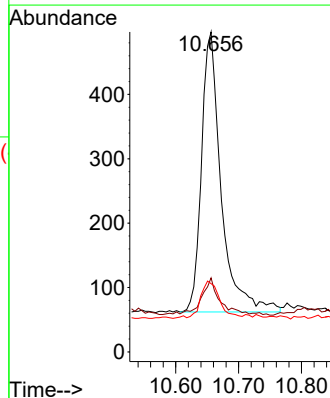
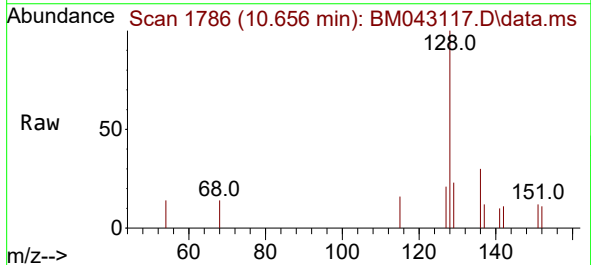
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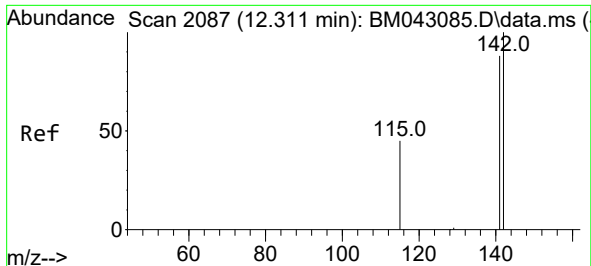
Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 31.1 22.8 34.2
58 13.8 26.8 40.2#



#5
Naphthalene
Concen: 0.110 ng/ul
RT: 10.656 min Scan# 1786
Delta R.T. -0.033 min
Lab File: BM043117.D
Acq: 01 Dec 2023 11:11

Tgt Ion: 128 Resp: 947
Ion Ratio Lower Upper
128 100
129 23.1 16.0 24.0
127 21.3 16.5 24.7

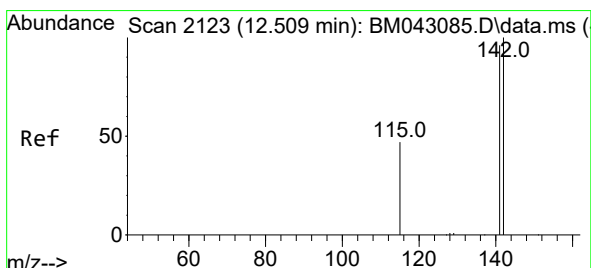
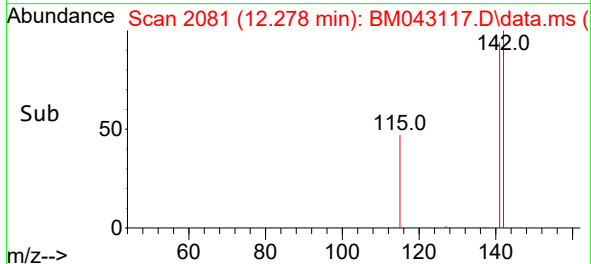
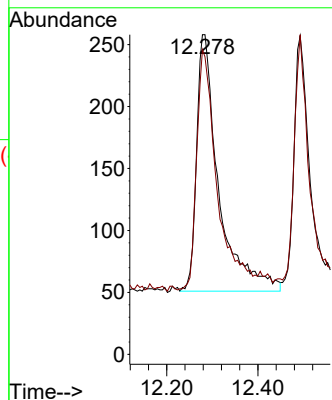
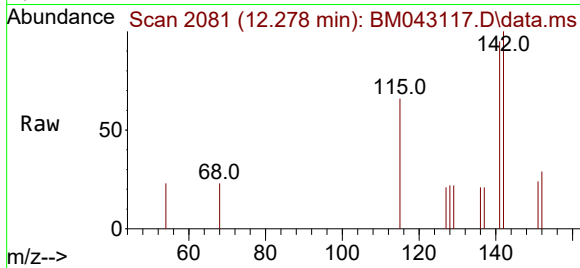




#7
2-Methylnaphthalene
Concen: 0.137 ng/ul
RT: 12.278 min Scan# 2087
Delta R.T. -0.033 min
Lab File: BM043117.D
Acq: 01 Dec 2023 11:11

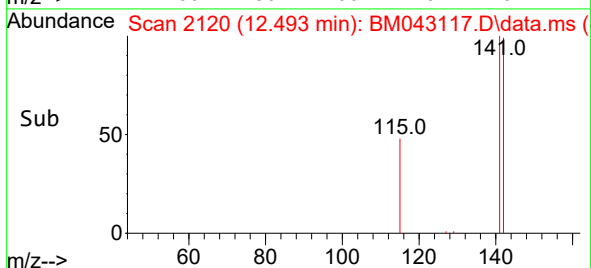
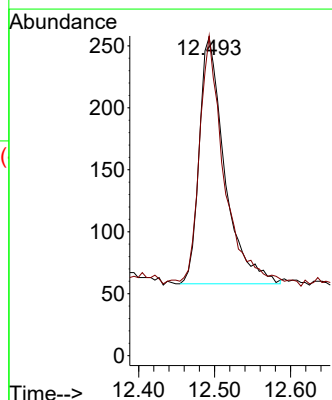
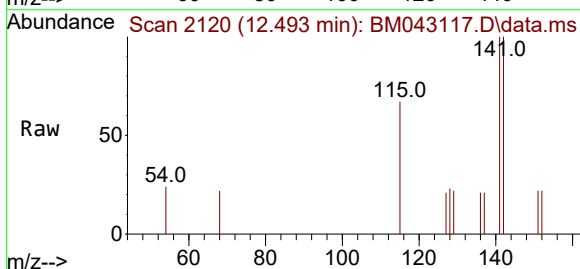
Instrument :
BNA_M
ClientSampleId :
C0AA6

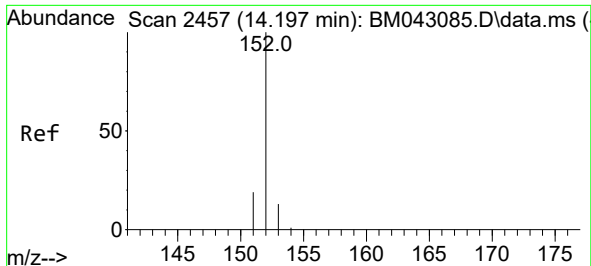
Tgt Ion:142 Resp: 697
Ion Ratio Lower Upper
142 100
141 90.8 76.1 114.1



#8
1-Methylnaphthalene
Concen: 0.082 ng/ul
RT: 12.493 min Scan# 2120
Delta R.T. -0.016 min
Lab File: BM043117.D
Acq: 01 Dec 2023 11:11

Tgt Ion:142 Resp: 462
Ion Ratio Lower Upper
142 100
141 97.8 73.8 110.8

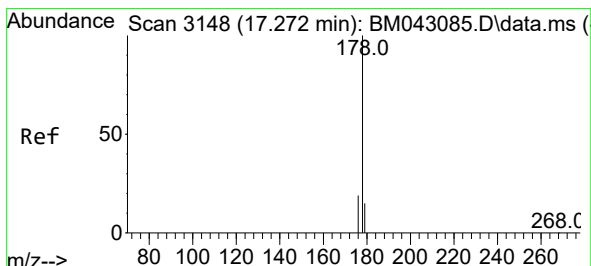
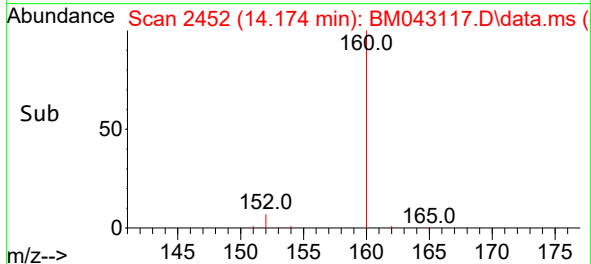
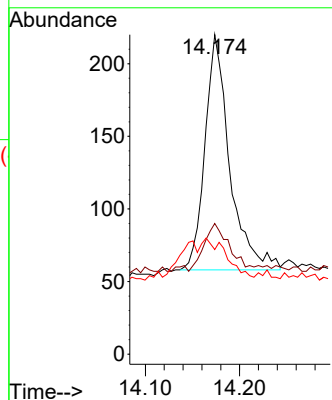
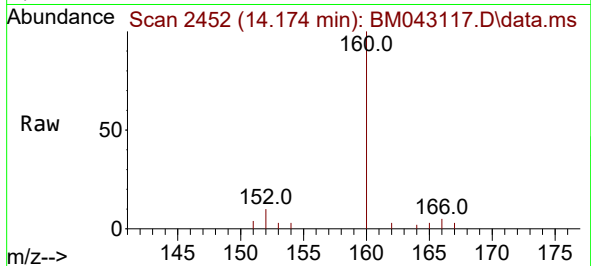




#10
Acenaphthylene
Concen: 0.036 ng/ul
RT: 14.174 min Scan# 2457
Delta R.T. -0.023 min
Lab File: BM043117.D
Acq: 01 Dec 2023 11:11

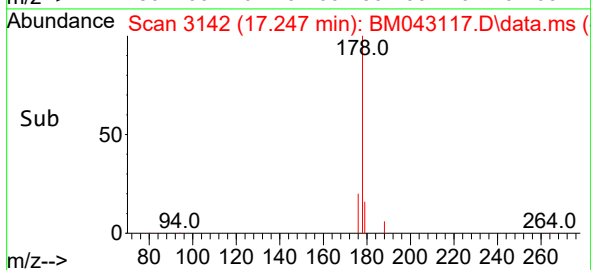
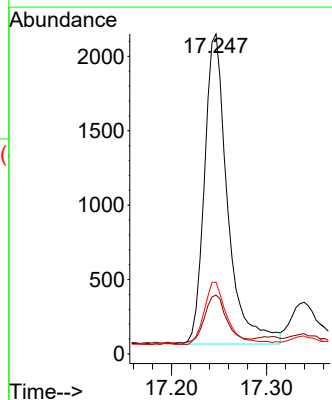
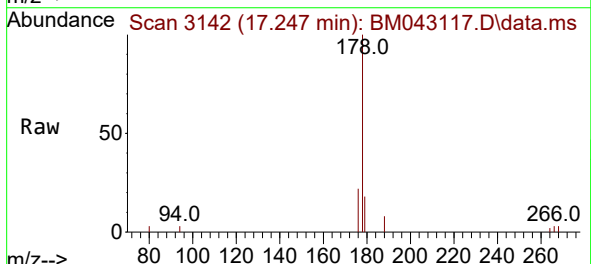
Instrument :
BNA_M
ClientSampleId :
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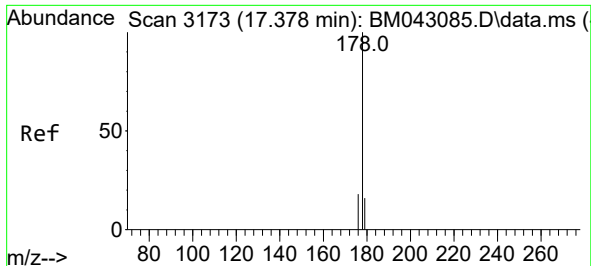
Tgt Ion:152 Resp: 295
Ion Ratio Lower Upper
152 100
151 40.9 19.4 29.0#
153 32.7 14.6 21.8#



#15
Phenanthrene
Concen: 0.382 ng/ul
RT: 17.247 min Scan# 3142
Delta R.T. -0.025 min
Lab File: BM043117.D
Acq: 01 Dec 2023 11:11

Tgt Ion:178 Resp: 3535
Ion Ratio Lower Upper
178 100
179 18.4 15.7 23.5
176 22.5 18.9 28.3

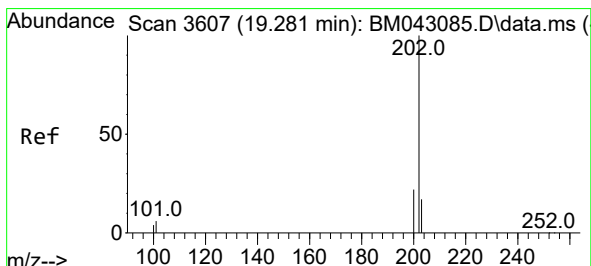
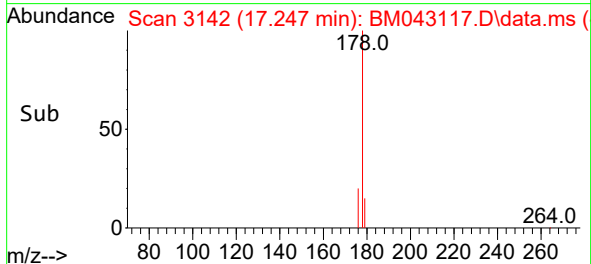
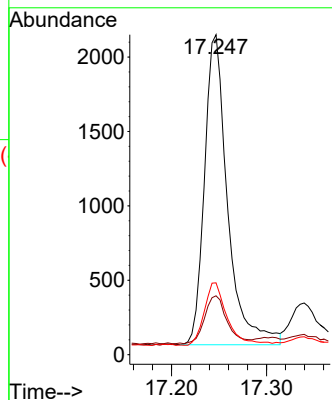
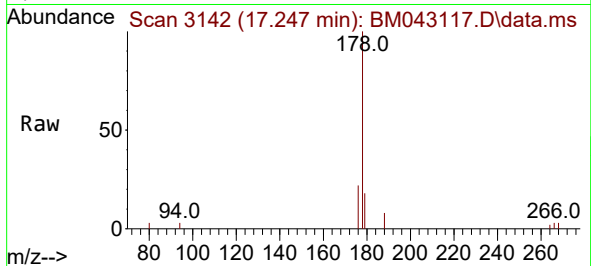




#16
 Anthracene
 Concen: 0.403 ng/ul
 RT: 17.247 min Scan# 3173
 Delta R.T. -0.131 min
 Lab File: BM043117.D
 Acq: 01 Dec 2023 11:11

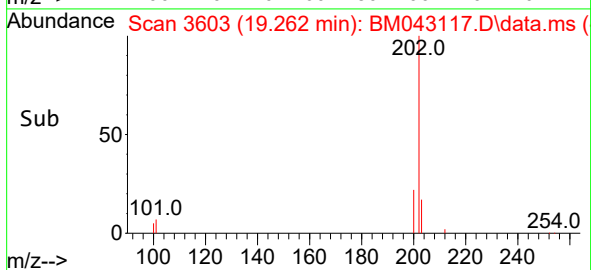
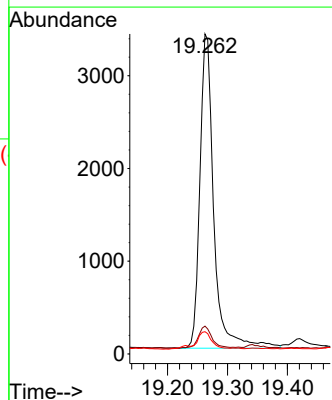
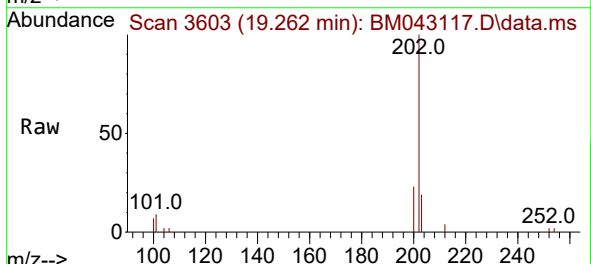
Instrument :
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 ClientSampleId :
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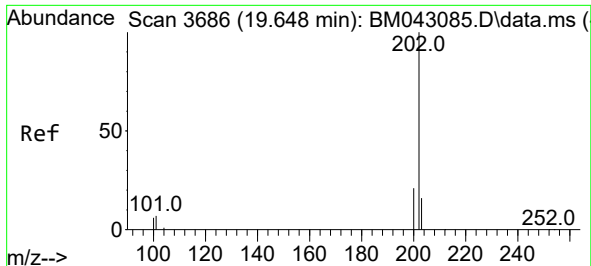
Tgt Ion:178 Resp: 3535
 Ion Ratio Lower Upper
 178 100
 179 18.4 17.3 25.9
 176 22.5 20.5 30.7



#19
 Fluoranthene
 Concen: 0.429 ng/ul
 RT: 19.262 min Scan# 3603
 Delta R.T. -0.018 min
 Lab File: BM043117.D
 Acq: 01 Dec 2023 11:11

Tgt Ion:202 Resp: 5456
 Ion Ratio Lower Upper
 202 100
 101 8.7 7.8 11.8
 100 7.0 7.1 10.7#

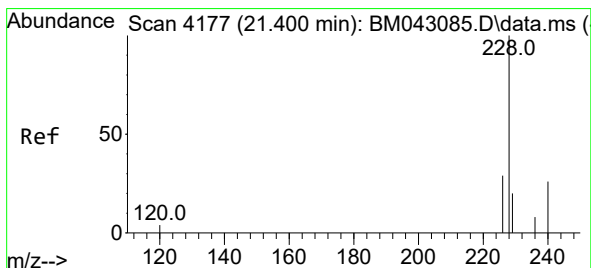
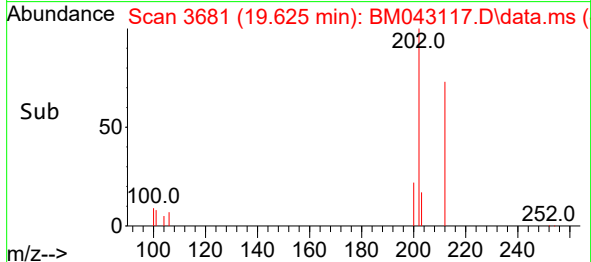
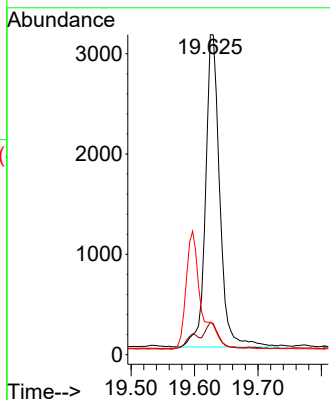
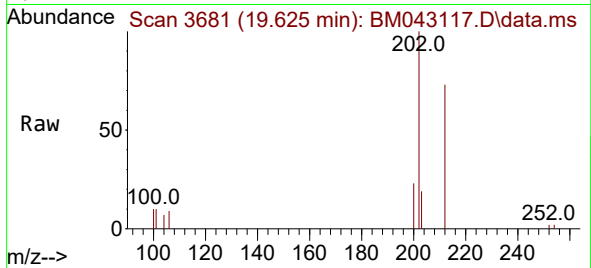




#20
Pyrene
Concen: 0.358 ng/ul
RT: 19.625 min Scan# 3681
Delta R.T. -0.023 min
Lab File: BM043117.D
Acq: 01 Dec 2023 11:11

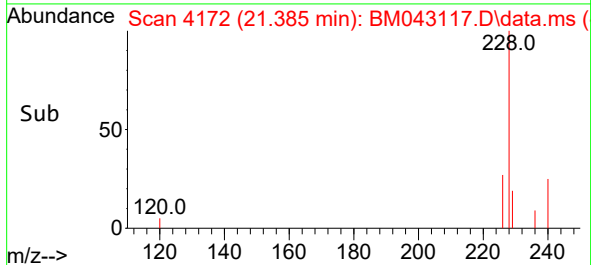
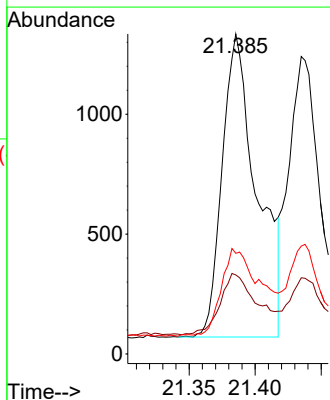
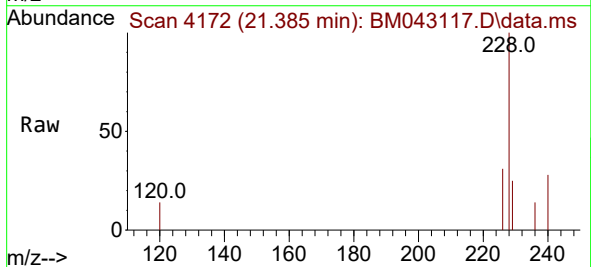
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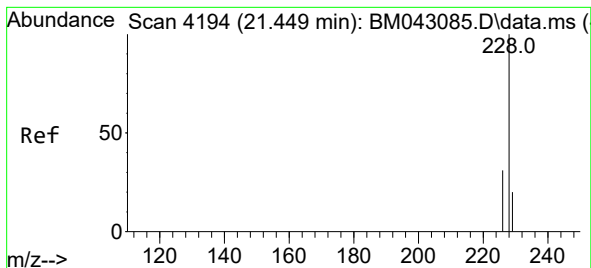
Tgt Ion:202 Resp: 4846
Ion Ratio Lower Upper
202 100
101 10.1 8.7 13.1
100 10.1 7.8 11.8



#21
Benzo(a)anthracene
Concen: 0.317 ng/ul
RT: 21.385 min Scan# 4172
Delta R.T. -0.014 min
Lab File: BM043117.D
Acq: 01 Dec 2023 11:11

Tgt Ion:228 Resp: 2307
Ion Ratio Lower Upper
228 100
229 24.7 19.4 29.0
226 31.5 24.9 37.3





#22

Chrysene

Concen: 0.154 ng/ul

RT: 21.435 min Scan# 41

Delta R.T. -0.014 min

Lab File: BM043117.D

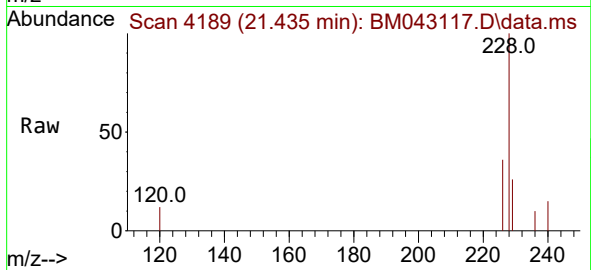
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Instrument :

BNA_M

ClientSampleId :

C0AA6



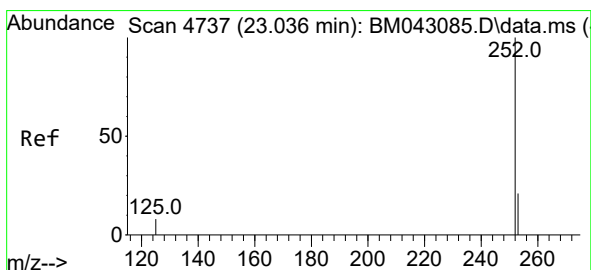
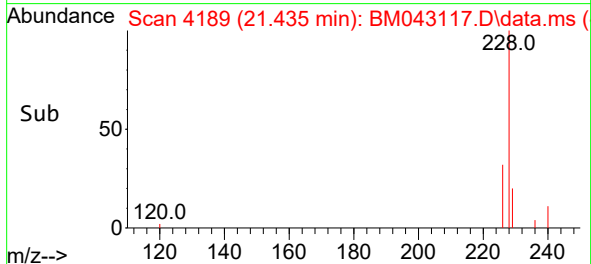
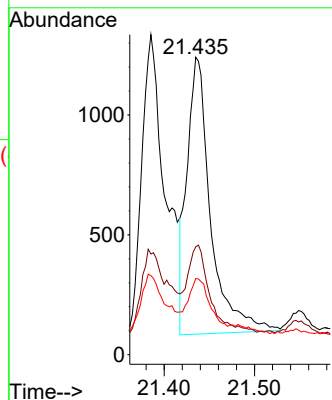
Tgt Ion:228 Resp: 2092

Ion Ratio Lower Upper

228 100

226 36.3 27.2 40.8

229 25.6 18.0 27.0



#24

Benzo(b)fluoranthene

Concen: 0.250 ng/ul

RT: 23.022 min Scan# 4732

Delta R.T. -0.014 min

Lab File: BM043117.D

Acq: 01 Dec 2023 11:11

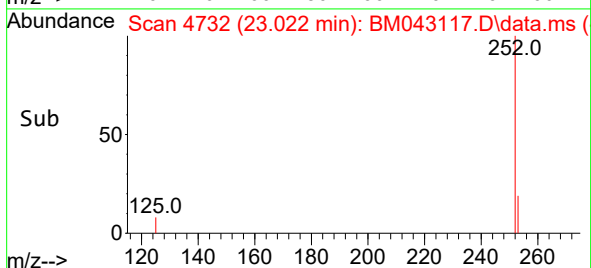
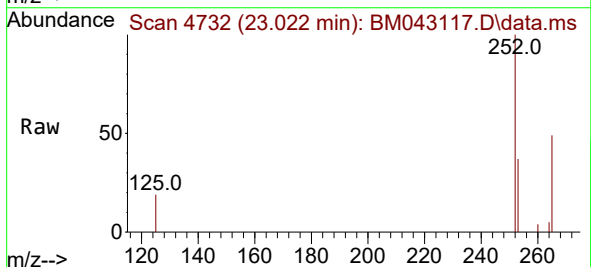
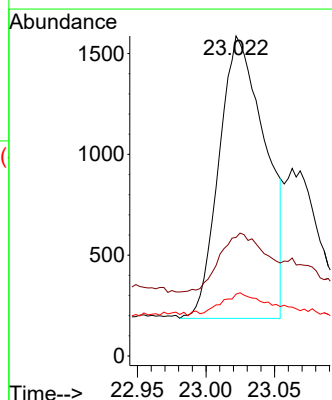
Tgt Ion:252 Resp: 3269

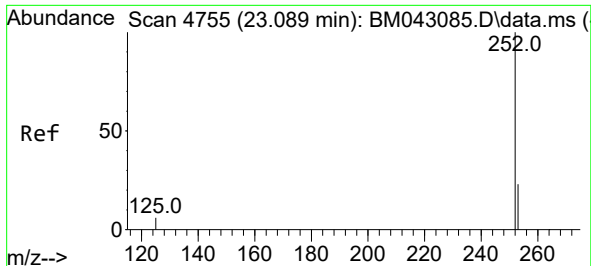
Ion Ratio Lower Upper

252 100

253 37.1 0.0 71.8

125 19.3 0.0 29.0

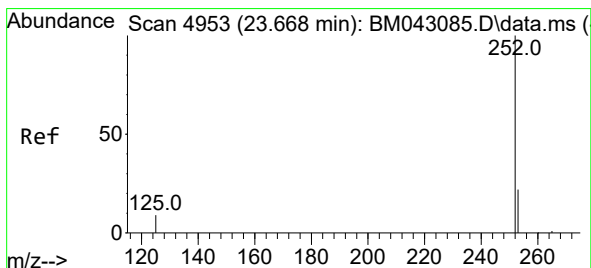
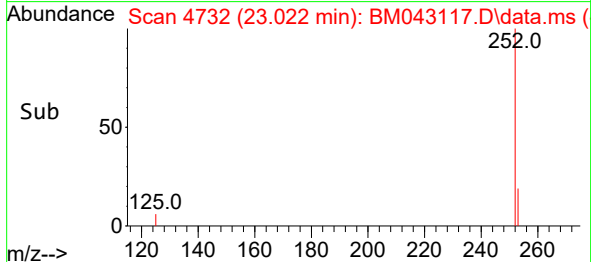
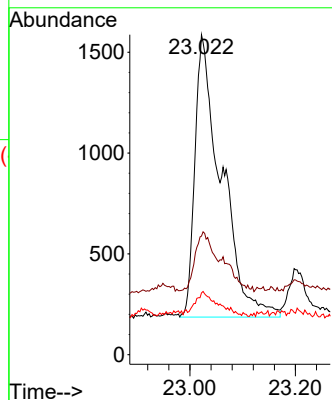
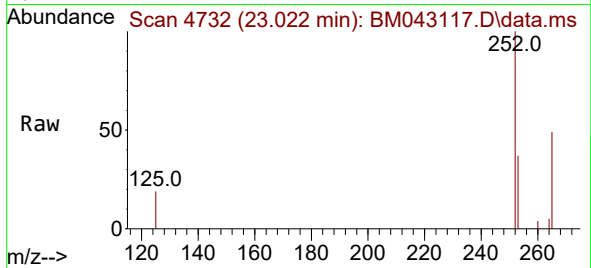




#25
Benzo(k)fluoranthene
Concen: 0.270 ng/ul
RT: 23.022 min Scan# 41
Delta R.T. -0.067 min
Lab File: BM043117.D
Acq: 01 Dec 2023 11:11

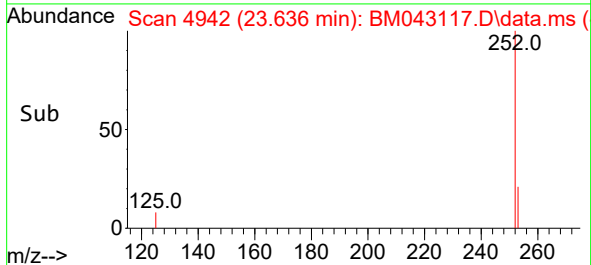
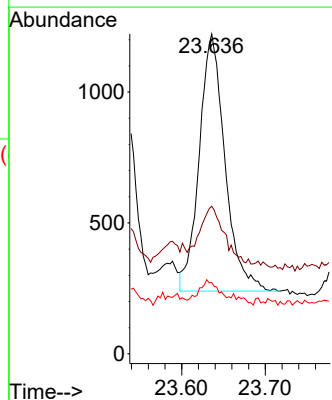
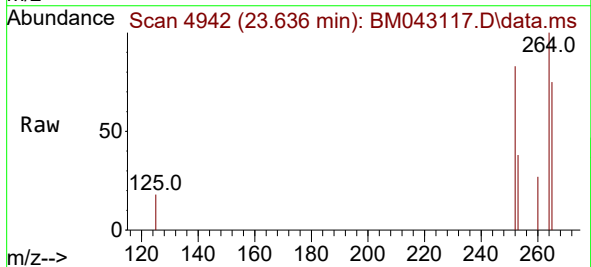
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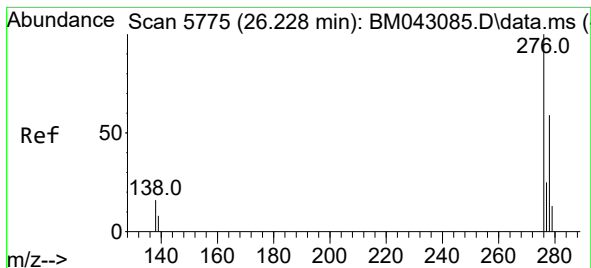
Tgt Ion:252 Resp: 4861
Ion Ratio Lower Upper
252 100
253 37.1 28.2 42.2
125 19.3 11.0 16.6#



#26
Benzo(a)pyrene
Concen: 0.147 ng/ul
RT: 23.636 min Scan# 4942
Delta R.T. -0.032 min
Lab File: BM043117.D
Acq: 01 Dec 2023 11:11

Tgt Ion:252 Resp: 2100
Ion Ratio Lower Upper
252 100
253 46.2 36.6 55.0
125 22.3 16.2 24.4





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.107 ng/ul

RT: 26.191 min Scan# 5764

Delta R.T. -0.037 min

Lab File: BM043117.D

Acq: 01 Dec 2023 11:11

Instrument :

BNA_M

ClientSampleId :

C0AA6

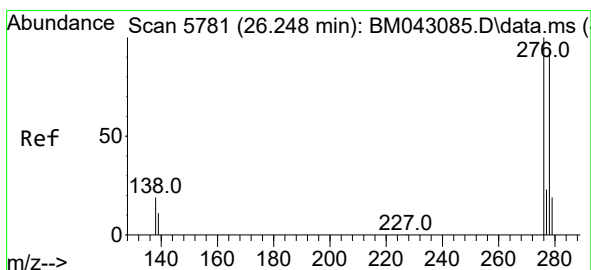
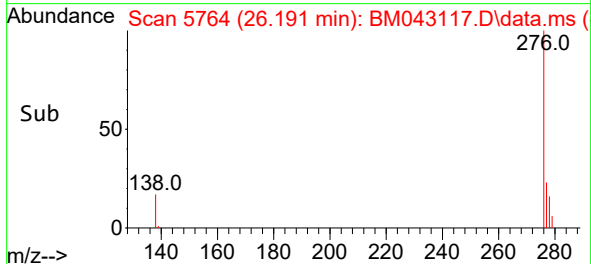
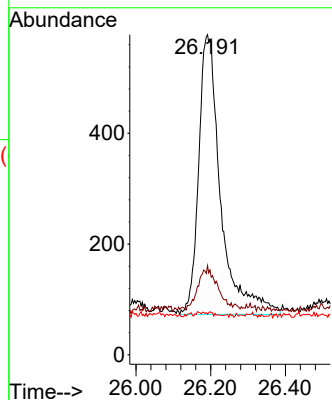
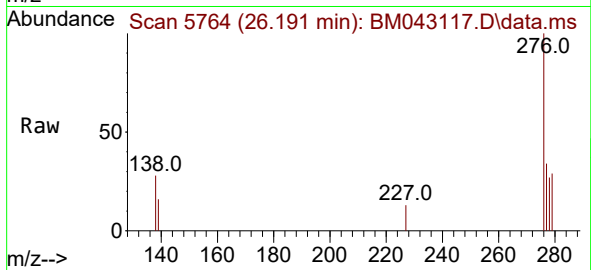
Tgt Ion:276 Resp: 2068

Ion Ratio Lower Upper

276 100

138 13.8 0.0 0.0#

227 0.2 0.2 0.2#



#28

Dibenzo(a,h)anthracene

Concen: 0.028 ng/ul

RT: 26.205 min Scan# 5768

Delta R.T. -0.043 min

Lab File: BM043117.D

Acq: 01 Dec 2023 11:11

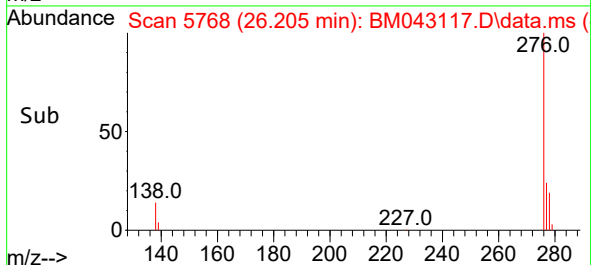
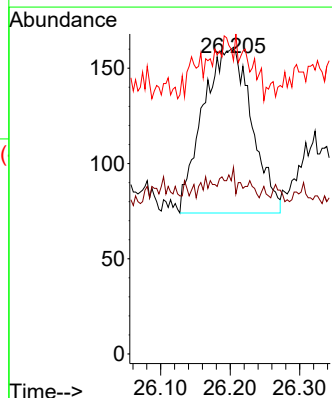
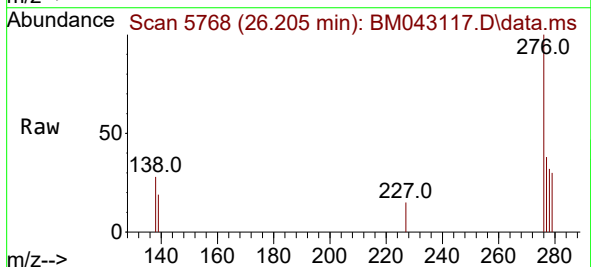
Tgt Ion:278 Resp: 425

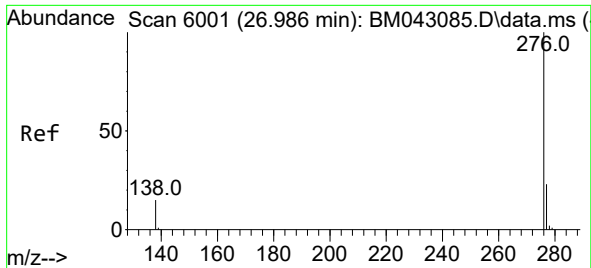
Ion Ratio Lower Upper

278 100

139 60.9 18.1 27.1#

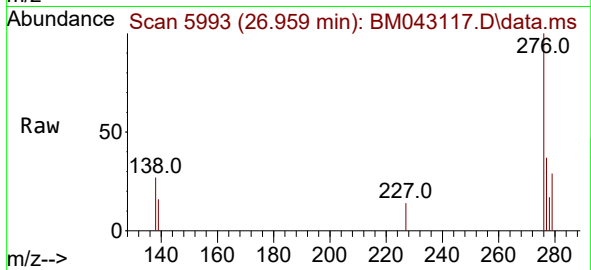
279 95.7 34.4 51.6#





#29
 Benzo(g,h,i)perylene
 Concen: 0.095 ng/ul
 RT: 26.959 min Scan# 51
 Delta R.T. -0.027 min
 Lab File: BM043117.D
 Acq: 01 Dec 2023 11:11

Instrument :
 BNA_M
 ClientSampleId :
 C0AA6



Tgt Ion:	276	Resp:	1778
Ion	Ratio	Lower	Upper
276	100		
138	26.6	17.8	26.8
277	36.5	23.8	35.8

