

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043098.D
 Acq On : 30 Nov 2023 23:05
 Operator : MA/JU
 Sample : 05459-20
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA8

Quant Time: Dec 01 00:45:00 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)

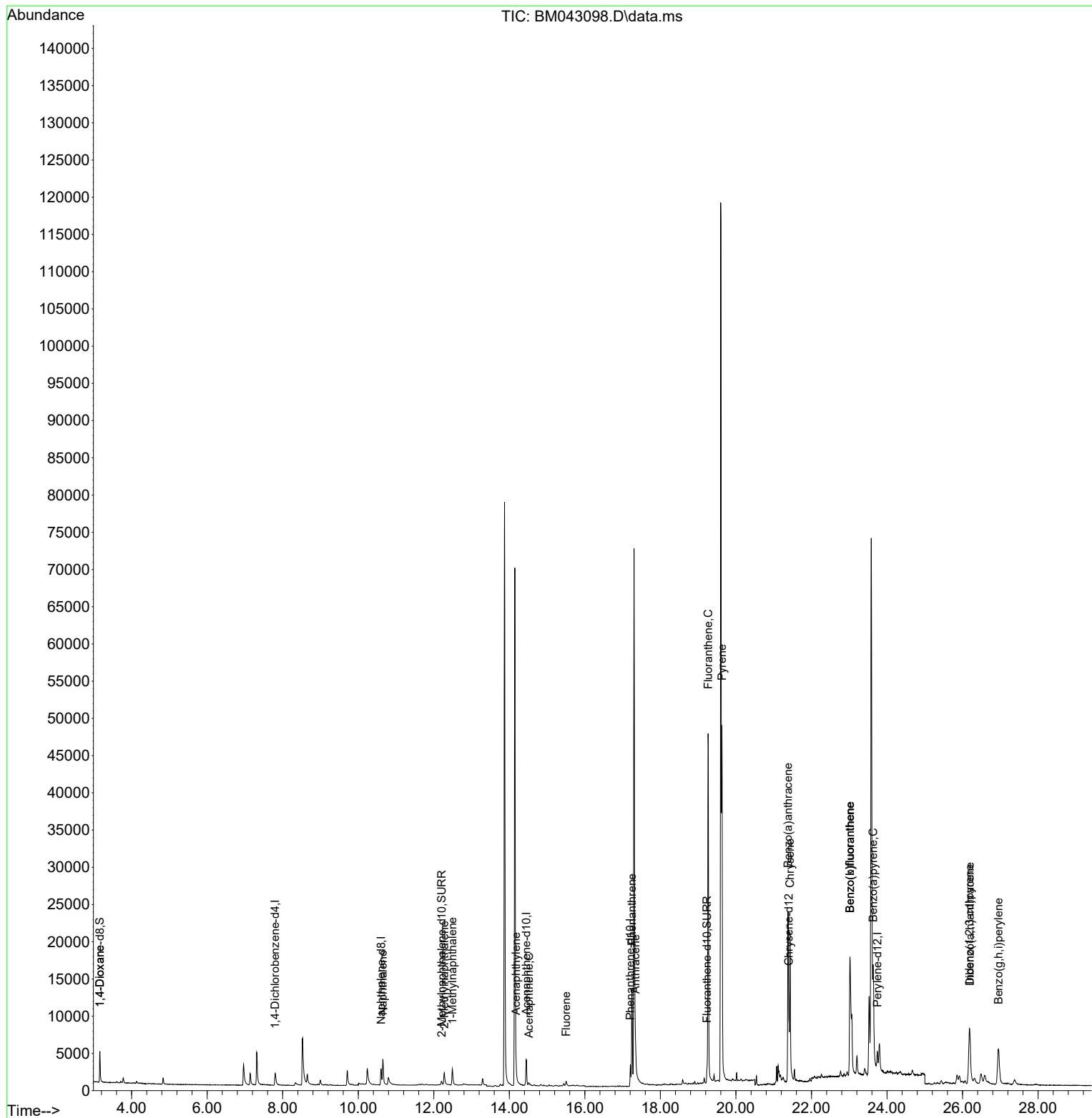
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.800	152	1145	0.400	ng/ul	#-0.06
4) Naphthalene-d8	10.606	136	3540	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.451	164	1921	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.204	188	3963	0.400	ng/ul	-0.03
17) Chrysene-d12	21.397	240	3101	0.400	ng/ul	-0.01
23) Perylene-d12	23.744	264	5370	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.159	96	2725	1.551	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.207	152	1015	0.214	ng/ul	-0.03
18) Fluoranthene-d10	19.234	212	2249	0.199	ng/ul	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.159	88	41	0.022	ng/ul#	73
5) Naphthalene	10.650	128	5630	0.585	ng/ul#	86
7) 2-Methylnaphthalene	12.278	142	1706	0.301	ng/ul	96
8) 1-Methylnaphthalene	12.493	142	1807	0.286	ng/ul	99
10) Acenaphthylene	14.178	152	1380	0.141	ng/ul	96
11) Acenaphthene	14.516	153	304	0.041	ng/ul#	90
12) Fluorene	15.501	166	556	0.073	ng/ul#	94
15) Phenanthrene	17.247	178	14845	1.313	ng/ul	93
16) Anthracene	17.340	178	3703	0.346	ng/ul	94
19) Fluoranthene	19.262	202	45618	2.595	ng/ul#	93
20) Pyrene	19.629	202	41638	2.227	ng/ul#	94
21) Benzo(a)anthracene	21.379	228	24442	2.429	ng/ul	96
22) Chrysene	21.432	228	20318	1.084	ng/ul	98
24) Benzo(b)fluoranthene	23.019	252	29740	1.641	ng/ul	83
25) Benzo(k)fluoranthene	23.019	252	41964	1.681	ng/ul#	84
26) Benzo(a)pyrene	23.633	252	20129	1.018	ng/ul#	73
27) Indeno(1,2,3-cd)pyrene	26.184	276	16865	0.630	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.191	278	3519	0.170	ng/ul#	94
29) Benzo(g,h,i)perylene	26.949	276	12515	0.481	ng/ul#	93

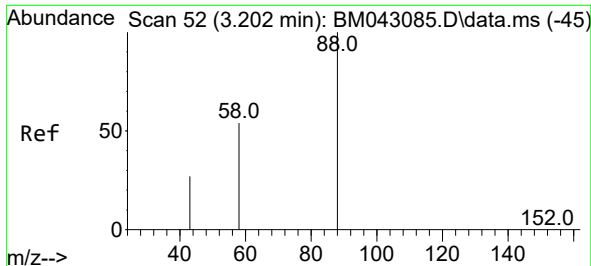
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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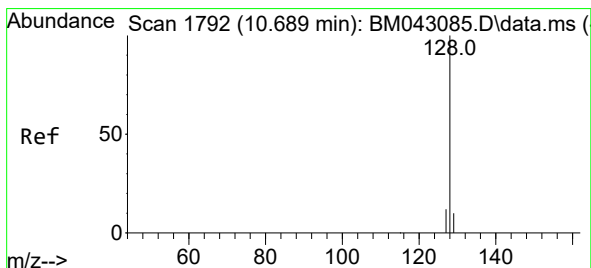
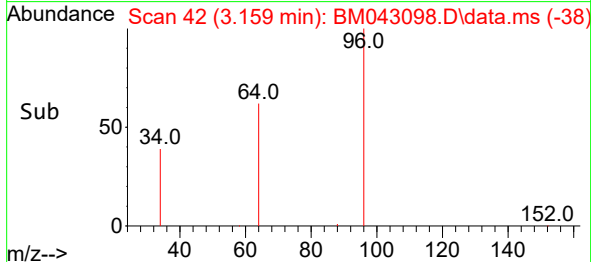
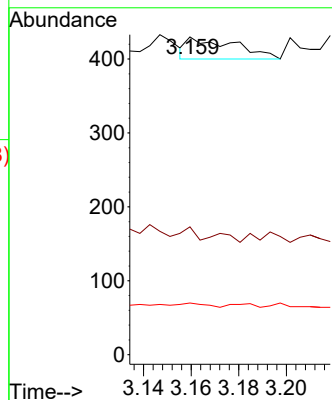
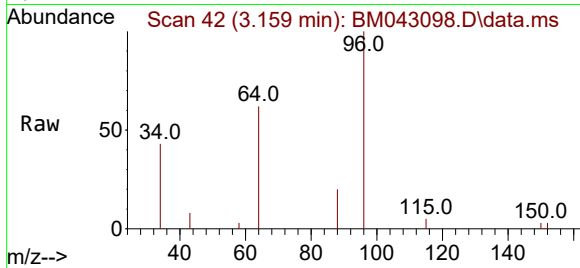




#2
1,4-Dioxane
Concen: 0.022 ng/ul
RT: 3.159 min Scan# 41
Delta R.T. -0.042 min
Lab File: BM043098.D
Acq: 30 Nov 2023 23:05

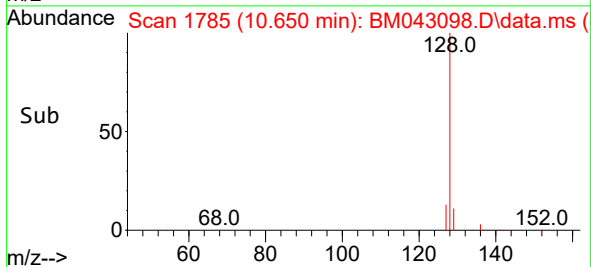
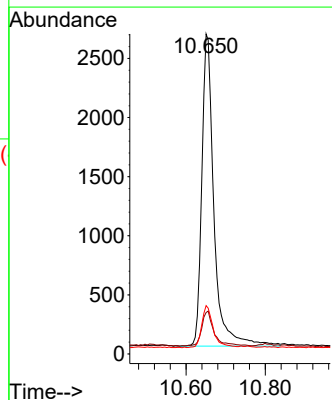
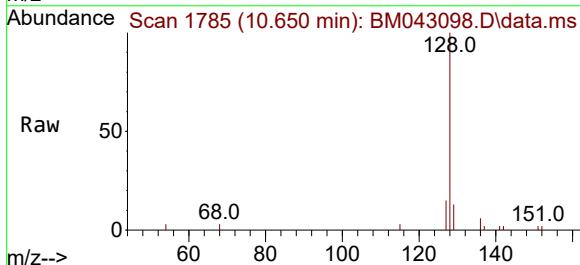
Instrument :
BNA_M
ClientSampleId :
C0AA8

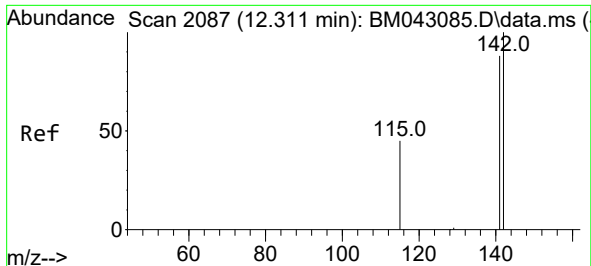
Tgt Ion: 88 Resp: 41
Ion Ratio Lower Upper
88 100
43 40.2 22.8 34.2#
58 16.3 26.8 40.2#



#5
Naphthalene
Concen: 0.585 ng/ul
RT: 10.650 min Scan# 1785
Delta R.T. -0.039 min
Lab File: BM043098.D
Acq: 30 Nov 2023 23:05

Tgt Ion: 128 Resp: 5630
Ion Ratio Lower Upper
128 100
129 13.0 16.0 24.0#
127 15.1 16.5 24.7#

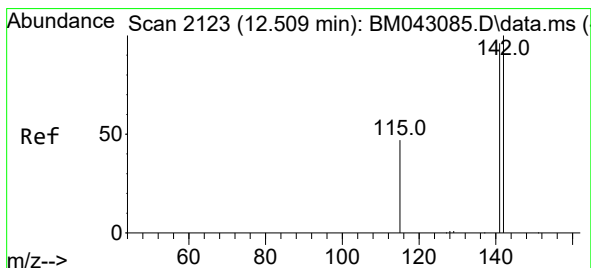
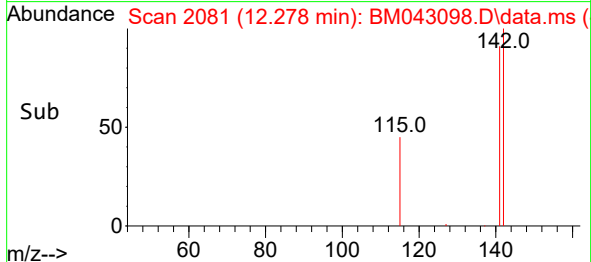
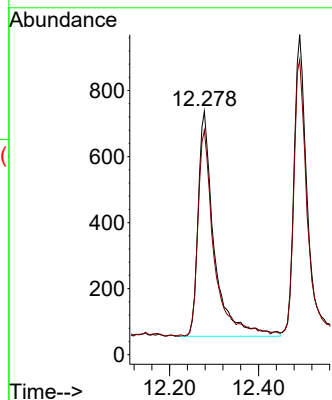
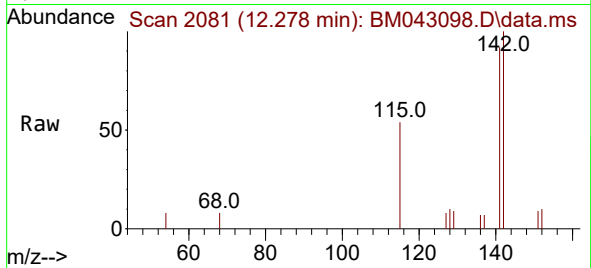




#7
2-Methylnaphthalene
Concen: 0.301 ng/ul
RT: 12.278 min Scan# 2087
Delta R.T. -0.033 min
Lab File: BM043098.D
Acq: 30 Nov 2023 23:05

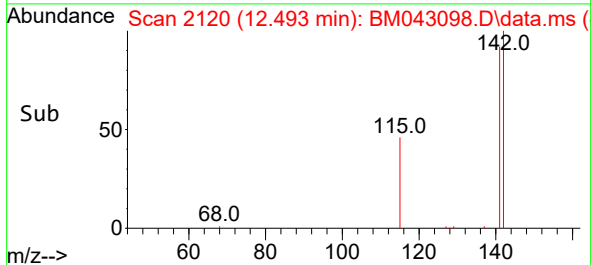
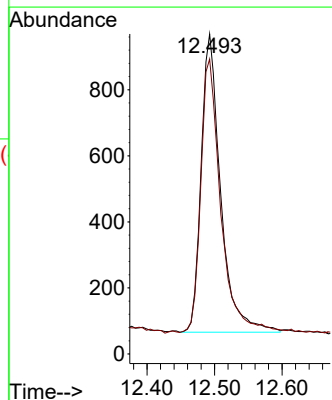
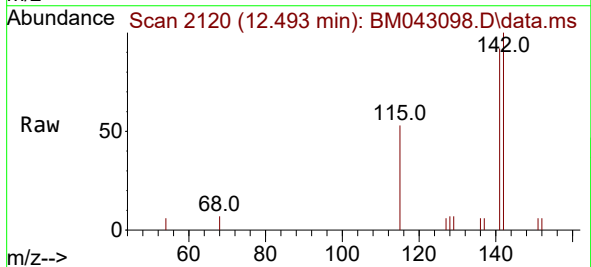
Instrument :
BNA_M
ClientSampleId :
C0AA8

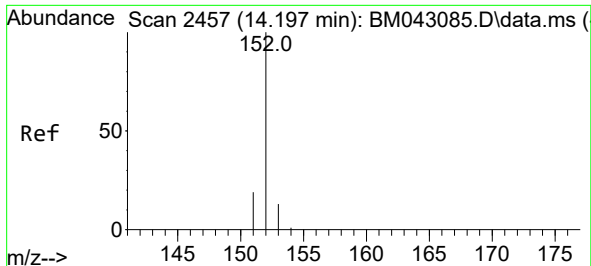
Tgt Ion:142 Resp: 1706
Ion Ratio Lower Upper
142 100
141 91.6 76.1 114.1



#8
1-Methylnaphthalene
Concen: 0.286 ng/ul
RT: 12.493 min Scan# 2120
Delta R.T. -0.017 min
Lab File: BM043098.D
Acq: 30 Nov 2023 23:05

Tgt Ion:142 Resp: 1807
Ion Ratio Lower Upper
142 100
141 93.6 73.8 110.8

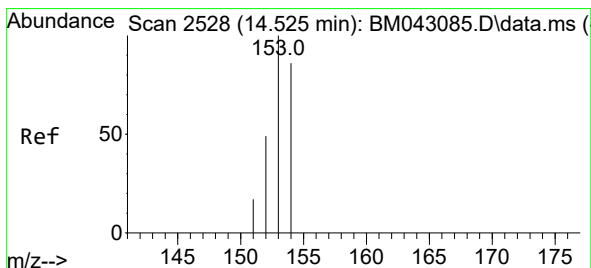
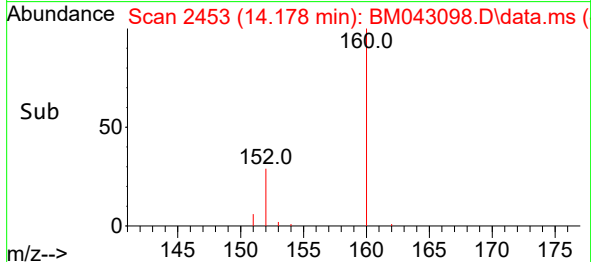
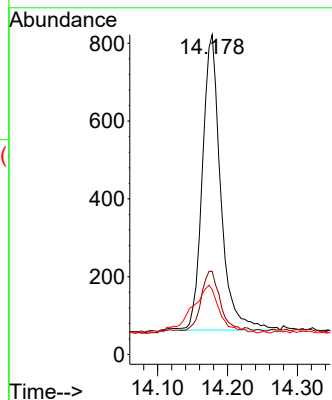
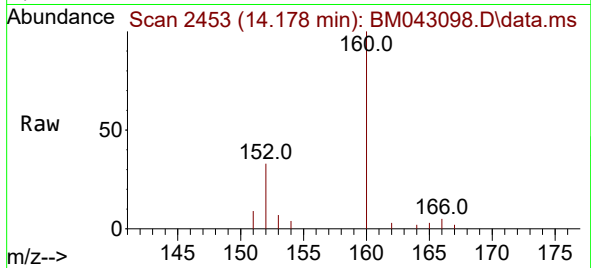




#10
Acenaphthylene
Concen: 0.141 ng/ul
RT: 14.178 min Scan# 2453
Delta R.T. -0.018 min
Lab File: BM043098.D
Acq: 30 Nov 2023 23:05

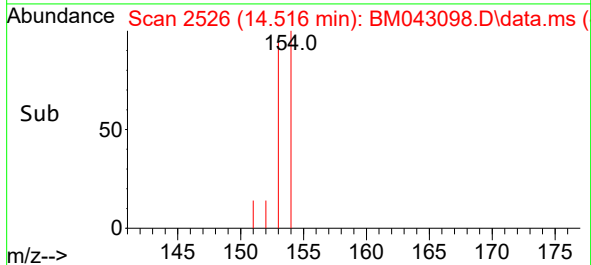
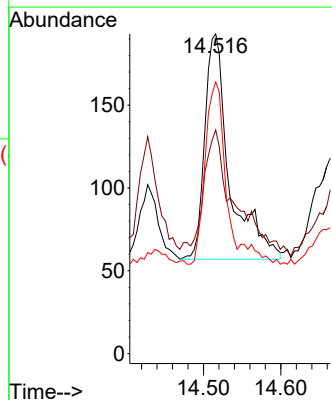
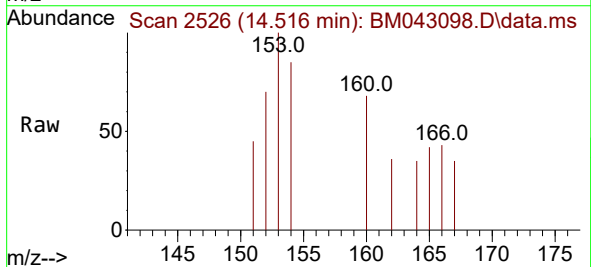
Instrument :
BNA_M
ClientSampleId :
C0AA8

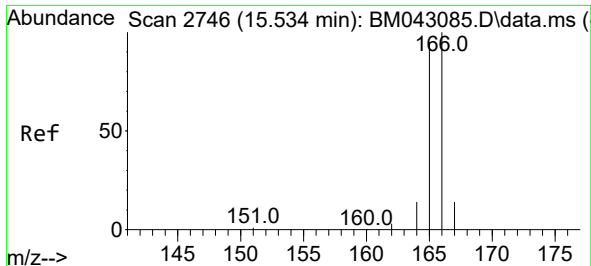
Tgt Ion:152 Resp: 1380
Ion Ratio Lower Upper
152 100
151 26.0 19.4 29.0
153 20.3 14.6 21.8



#11
Acenaphthene
Concen: 0.041 ng/ul
RT: 14.516 min Scan# 2526
Delta R.T. -0.009 min
Lab File: BM043098.D
Acq: 30 Nov 2023 23:05

Tgt Ion:153 Resp: 304
Ion Ratio Lower Upper
153 100
152 69.9 43.9 65.9#
154 85.0 70.6 105.8

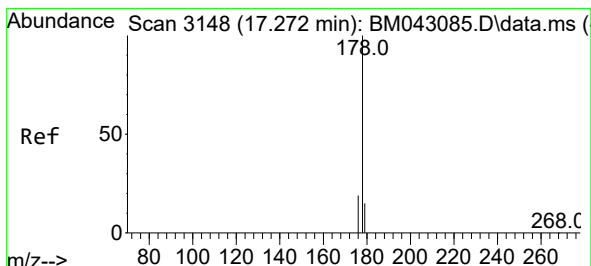
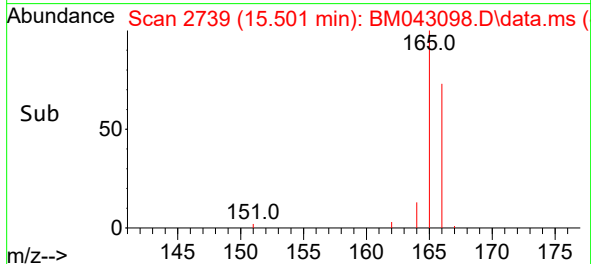
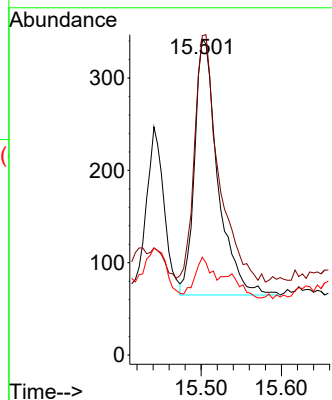
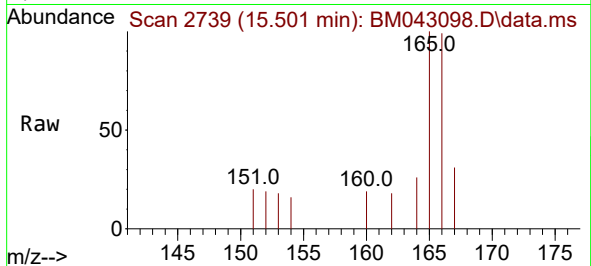




#12
Fluorene
Concen: 0.073 ng/ul
RT: 15.501 min Scan# 21
Delta R.T. -0.032 min
Lab File: BM043098.D
Acq: 30 Nov 2023 23:05

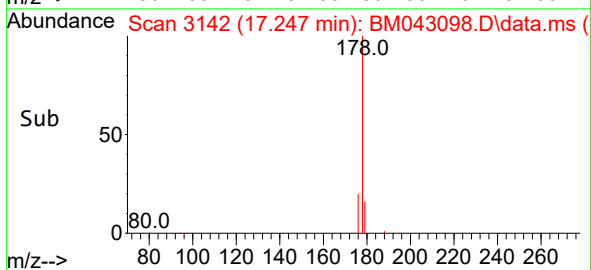
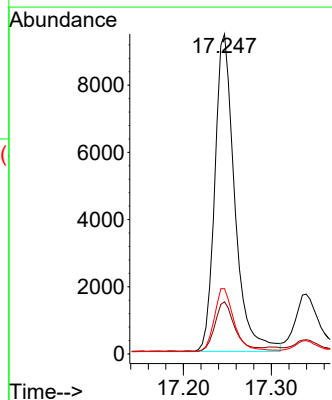
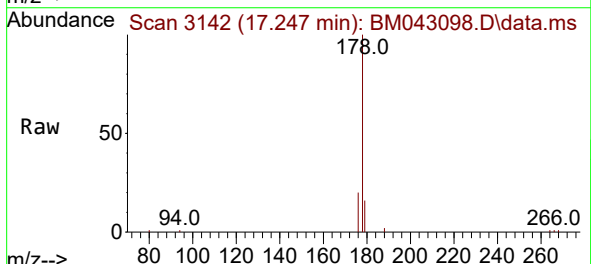
Instrument :
BNA_M
ClientSampleId :
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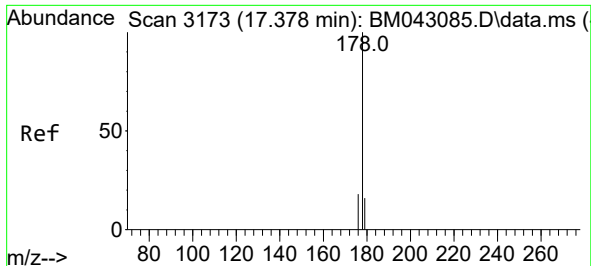
Tgt Ion:166 Resp: 556
Ion Ratio Lower Upper
166 100
165 101.2 79.9 119.9
167 31.0 14.2 21.4#



#15
Phenanthrene
Concen: 1.313 ng/ul
RT: 17.247 min Scan# 3142
Delta R.T. -0.025 min
Lab File: BM043098.D
Acq: 30 Nov 2023 23:05

Tgt Ion:178 Resp: 14845
Ion Ratio Lower Upper
178 100
179 16.3 15.7 23.5
176 20.4 18.9 28.3

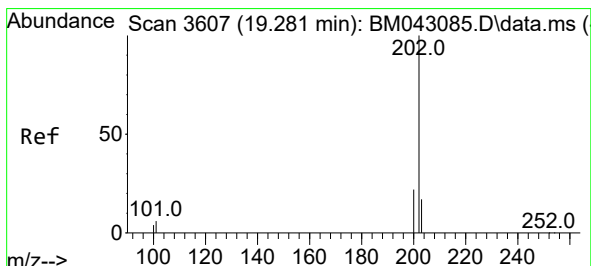
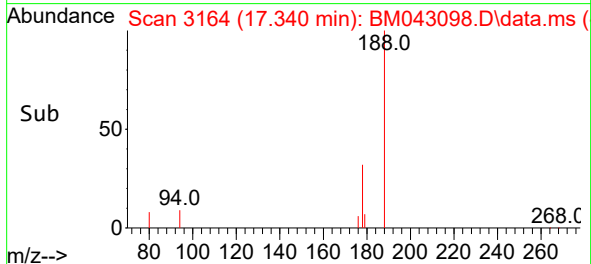
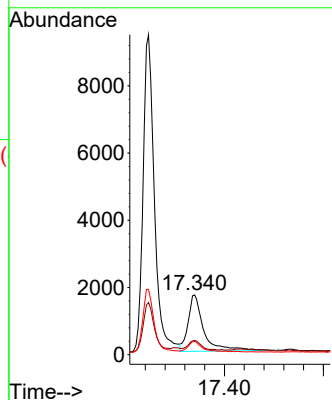
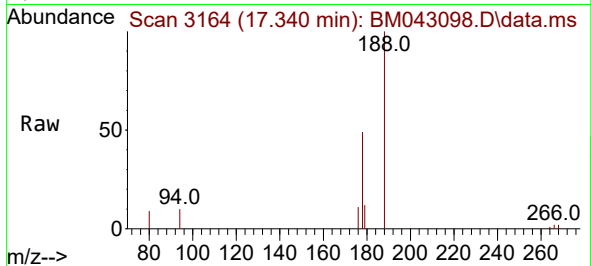




#16
 Anthracene
 Concen: 0.346 ng/ul
 RT: 17.340 min Scan# 3173
 Delta R.T. -0.038 min
 Lab File: BM043098.D
 Acq: 30 Nov 2023 23:05

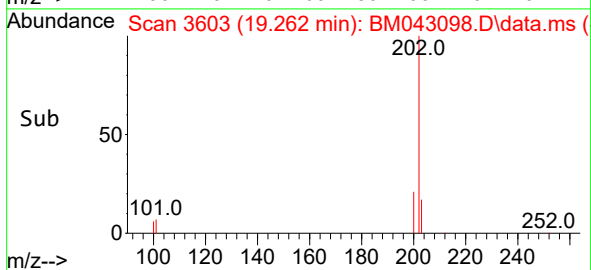
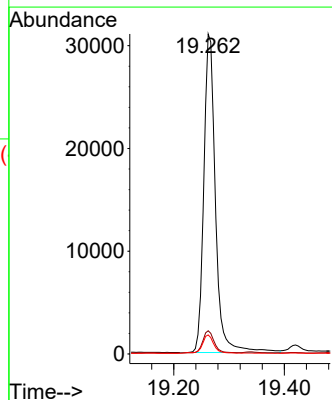
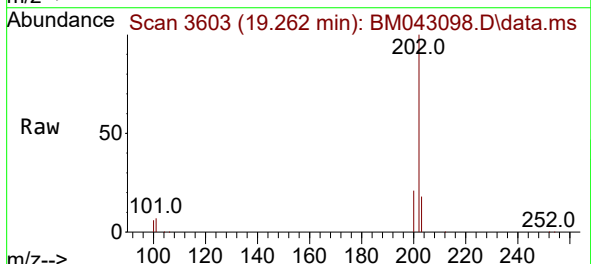
Instrument :
 BNA_M
 ClientSampleId :
 C0AA8

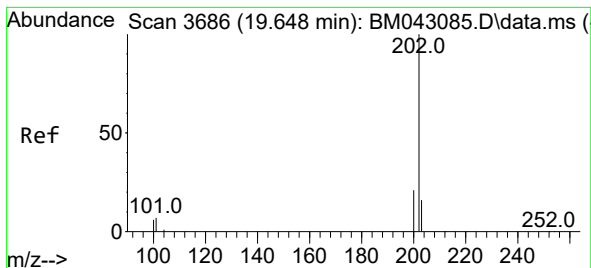
Tgt Ion:178 Resp: 3703
 Ion Ratio Lower Upper
 178 100
 179 23.9 17.3 25.9
 176 22.3 20.5 30.7



#19
 Fluoranthene
 Concen: 2.595 ng/ul
 RT: 19.262 min Scan# 3603
 Delta R.T. -0.019 min
 Lab File: BM043098.D
 Acq: 30 Nov 2023 23:05

Tgt Ion:202 Resp: 45618
 Ion Ratio Lower Upper
 202 100
 101 7.3 7.8 11.8#
 100 6.0 7.1 10.7#





#20

Pyrene

Concen: 2.227 ng/ul

RT: 19.629 min Scan# 30

Delta R.T. -0.019 min

Lab File: BM043098.D

Acq: 30 Nov 2023 23:05

Instrument :

BNA_M

ClientSampleId :

C0AA8

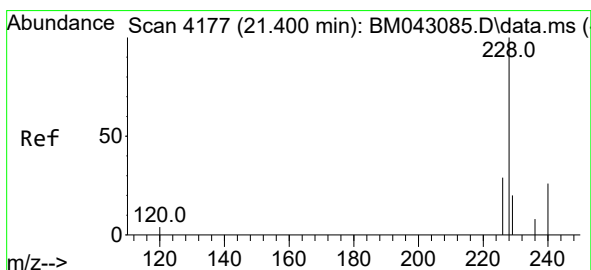
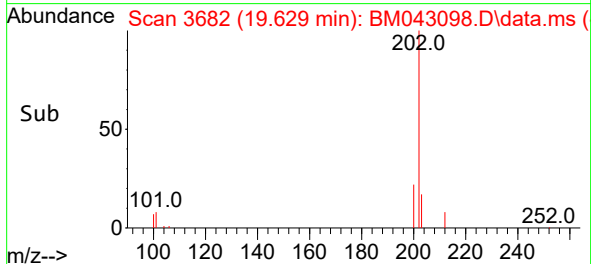
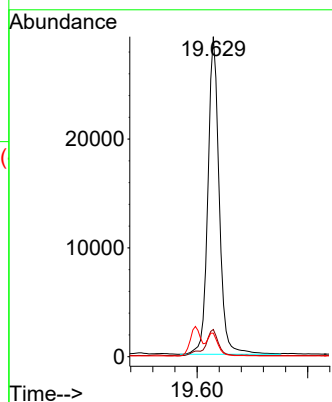
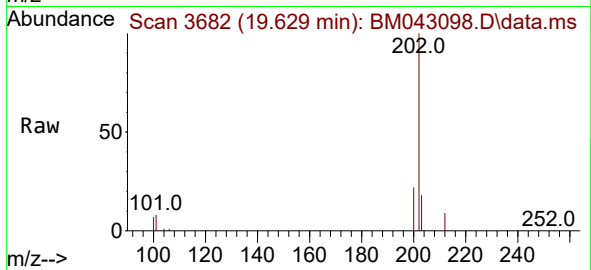
Tgt Ion:202 Resp: 41638

Ion Ratio Lower Upper

202 100

101 8.5 8.7 13.1#

100 7.4 7.8 11.8#



#21

Benzo(a)anthracene

Concen: 2.429 ng/ul

RT: 21.379 min Scan# 4170

Delta R.T. -0.020 min

Lab File: BM043098.D

Acq: 30 Nov 2023 23:05

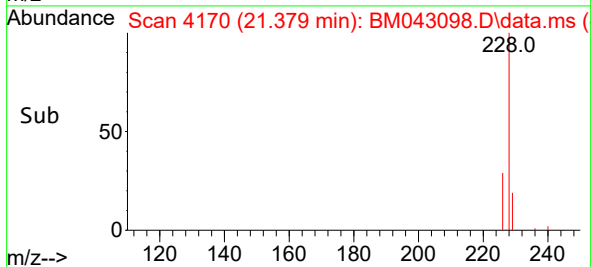
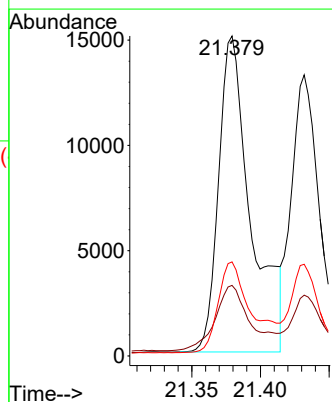
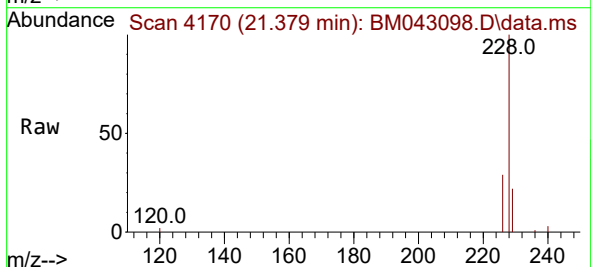
Tgt Ion:228 Resp: 24442

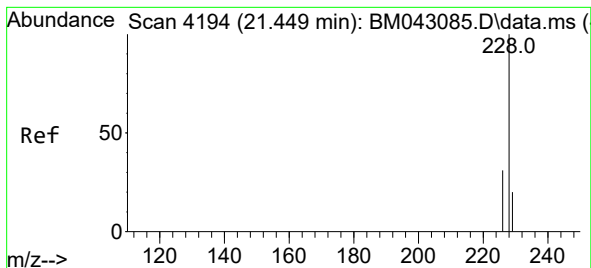
Ion Ratio Lower Upper

228 100

229 22.1 19.4 29.0

226 29.4 24.9 37.3





#22

Chrysene

Concen: 1.084 ng/ul

RT: 21.432 min Scan# 41

Delta R.T. -0.018 min

Lab File: BM043098.D

Acq: 30 Nov 2023 23:05

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C0AA8

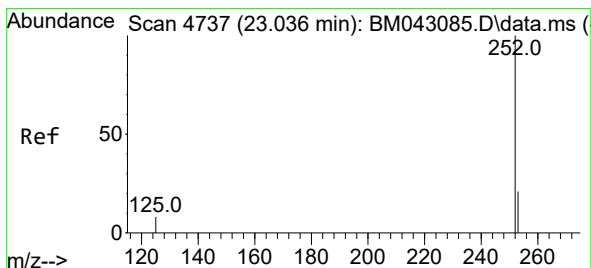
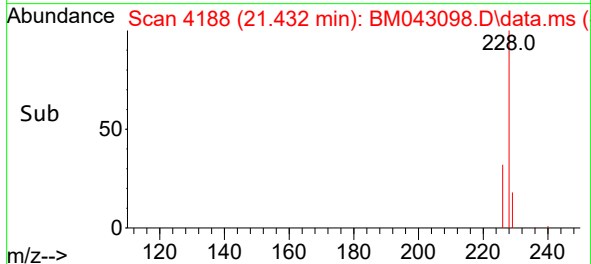
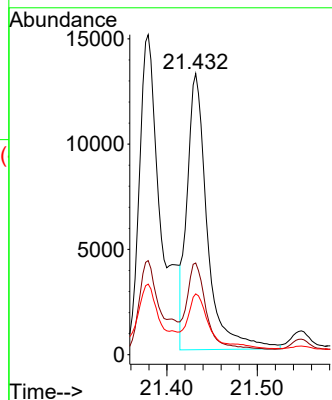
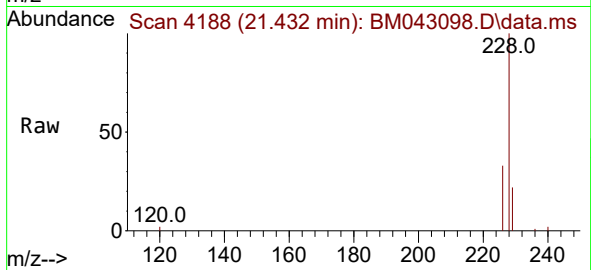
Tgt Ion:228 Resp: 20318

Ion Ratio Lower Upper

228 100

226 32.6 27.2 40.8

229 21.6 18.0 27.0



#24

Benzo(b)fluoranthene

Concen: 1.641 ng/ul

RT: 23.019 min Scan# 4731

Delta R.T. -0.018 min

Lab File: BM043098.D

Acq: 30 Nov 2023 23:05

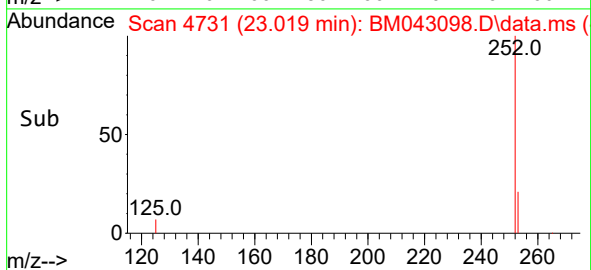
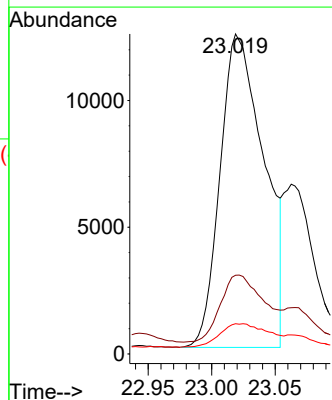
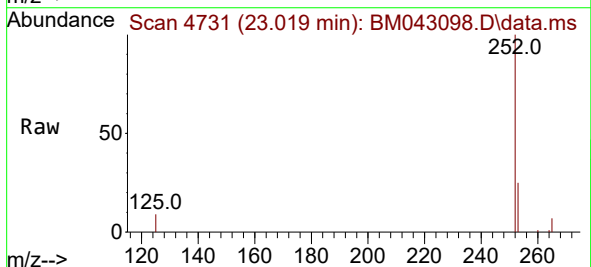
Tgt Ion:252 Resp: 29740

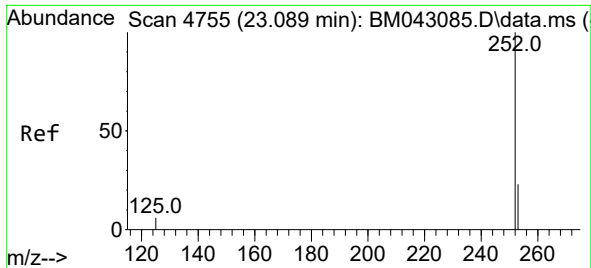
Ion Ratio Lower Upper

252 100

253 24.6 0.0 71.8

125 9.4 0.0 29.0

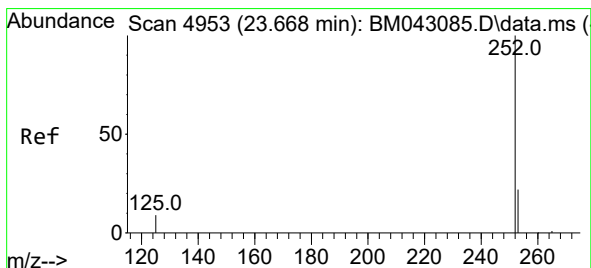
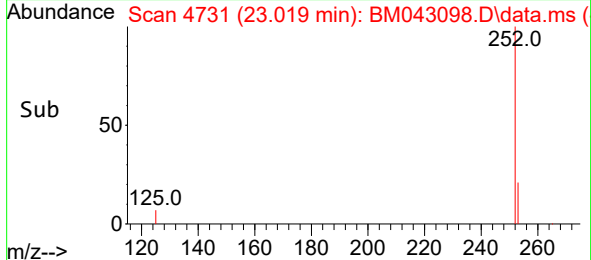
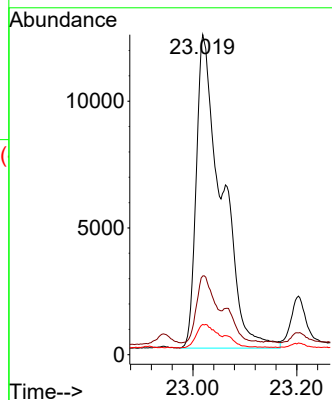
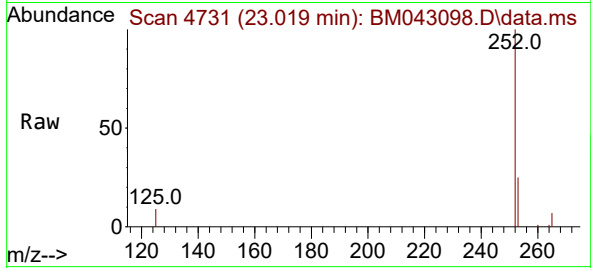




#25
Benzo(k)fluoranthene
Concen: 1.681 ng/ul
RT: 23.019 min Scan# 41
Delta R.T. -0.070 min
Lab File: BM043098.D
Acq: 30 Nov 2023 23:05

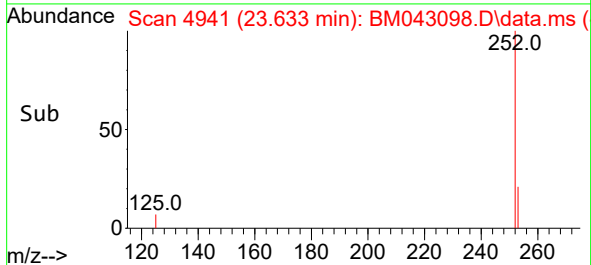
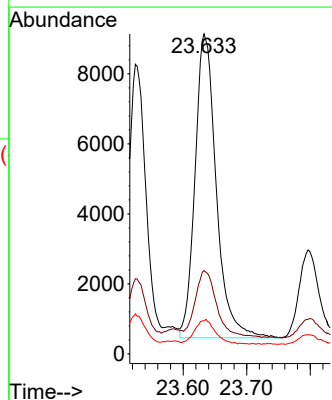
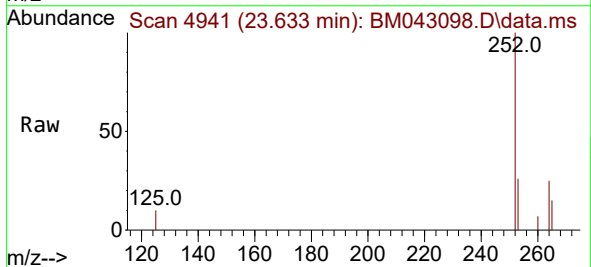
Instrument :
BNA_M
ClientSampleId :
C0AA8

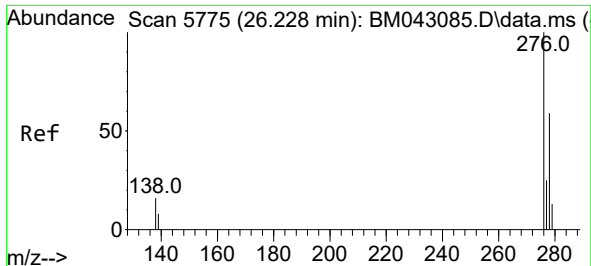
Tgt Ion:252 Resp: 41964
Ion Ratio Lower Upper
252 100
253 24.6 28.2 42.2#
125 9.4 11.0 16.6#



#26
Benzo(a)pyrene
Concen: 1.018 ng/ul
RT: 23.633 min Scan# 4941
Delta R.T. -0.035 min
Lab File: BM043098.D
Acq: 30 Nov 2023 23:05

Tgt Ion:252 Resp: 20129
Ion Ratio Lower Upper
252 100
253 26.0 36.6 55.0#
125 10.4 16.2 24.4#

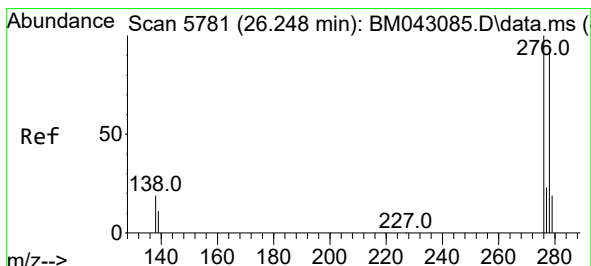
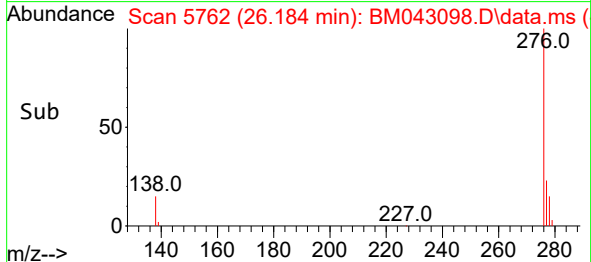
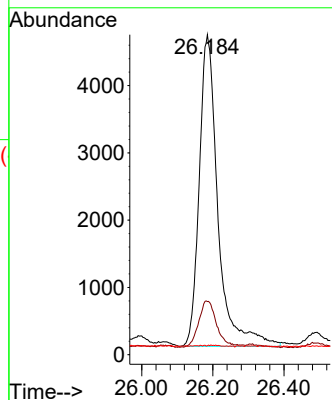
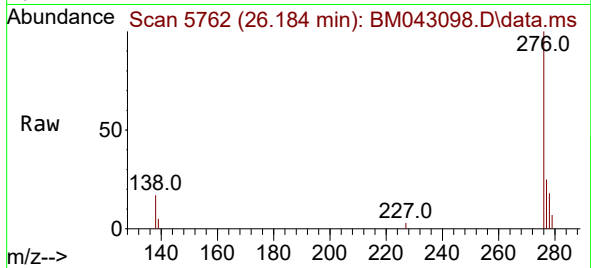




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.630 ng/ul
 RT: 26.184 min Scan# 5762
 Delta R.T. -0.044 min
 Lab File: BM043098.D
 Acq: 30 Nov 2023 23:05

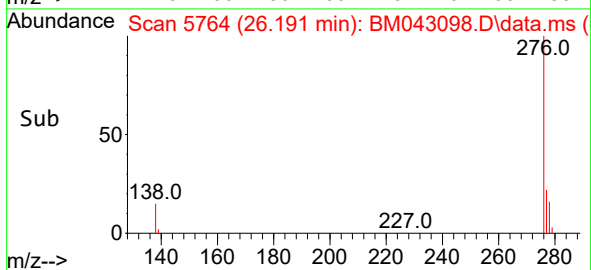
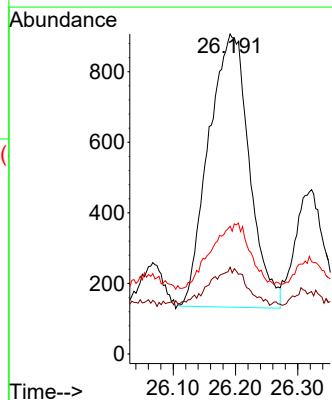
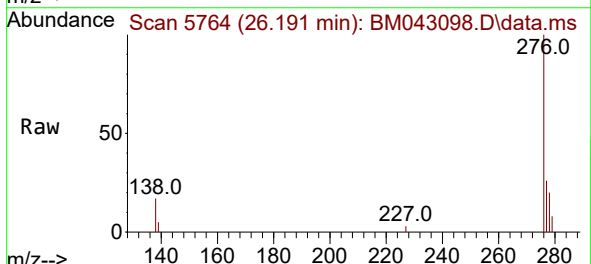
Instrument :
 BNA_M
 ClientSampleId :
 C0AA8

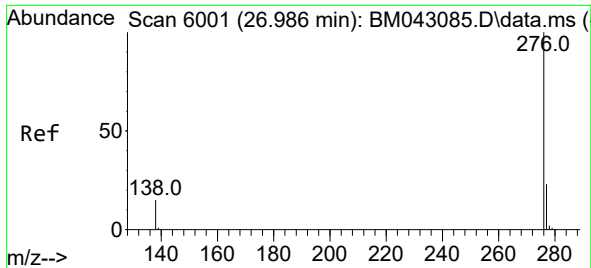
Tgt Ion:276 Resp: 16865
 Ion Ratio Lower Upper
 276 100
 138 14.8 0.0 0.0#
 227 0.0 0.2 0.2#



#28
 Dibenzo(a,h)anthracene
 Concen: 0.170 ng/ul
 RT: 26.191 min Scan# 5764
 Delta R.T. -0.057 min
 Lab File: BM043098.D
 Acq: 30 Nov 2023 23:05

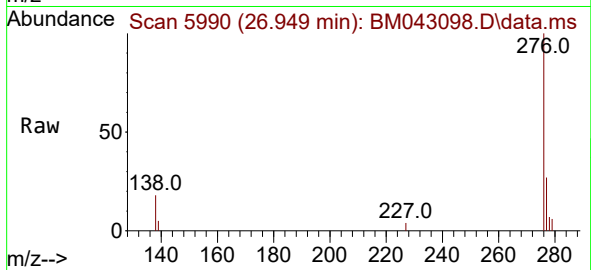
Tgt Ion:278 Resp: 3519
 Ion Ratio Lower Upper
 278 100
 139 27.1 18.1 27.1#
 279 39.9 34.4 51.6





#29
 Benzo(g,h,i)perylene
 Concen: 0.481 ng/ul
 RT: 26.949 min Scan# 51
 Delta R.T. -0.037 min
 Lab File: BM043098.D
 Acq: 30 Nov 2023 23:05

Instrument :
 BNA_M
 ClientSampleId :
 C0AA8



Tgt Ion:276 Resp: 12515
 Ion Ratio Lower Upper
 276 100
 138 17.6 17.8 26.8#
 277 27.2 23.8 35.8

