

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110723\
 Data File : BM042657.D
 Acq On : 08 Nov 2023 19:47
 Operator : MA/JU
 Sample : 04948-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG3

Quant Time: Nov 08 22:55:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM110623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 07 02:23:03 2023
 Response via : Initial Calibration

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

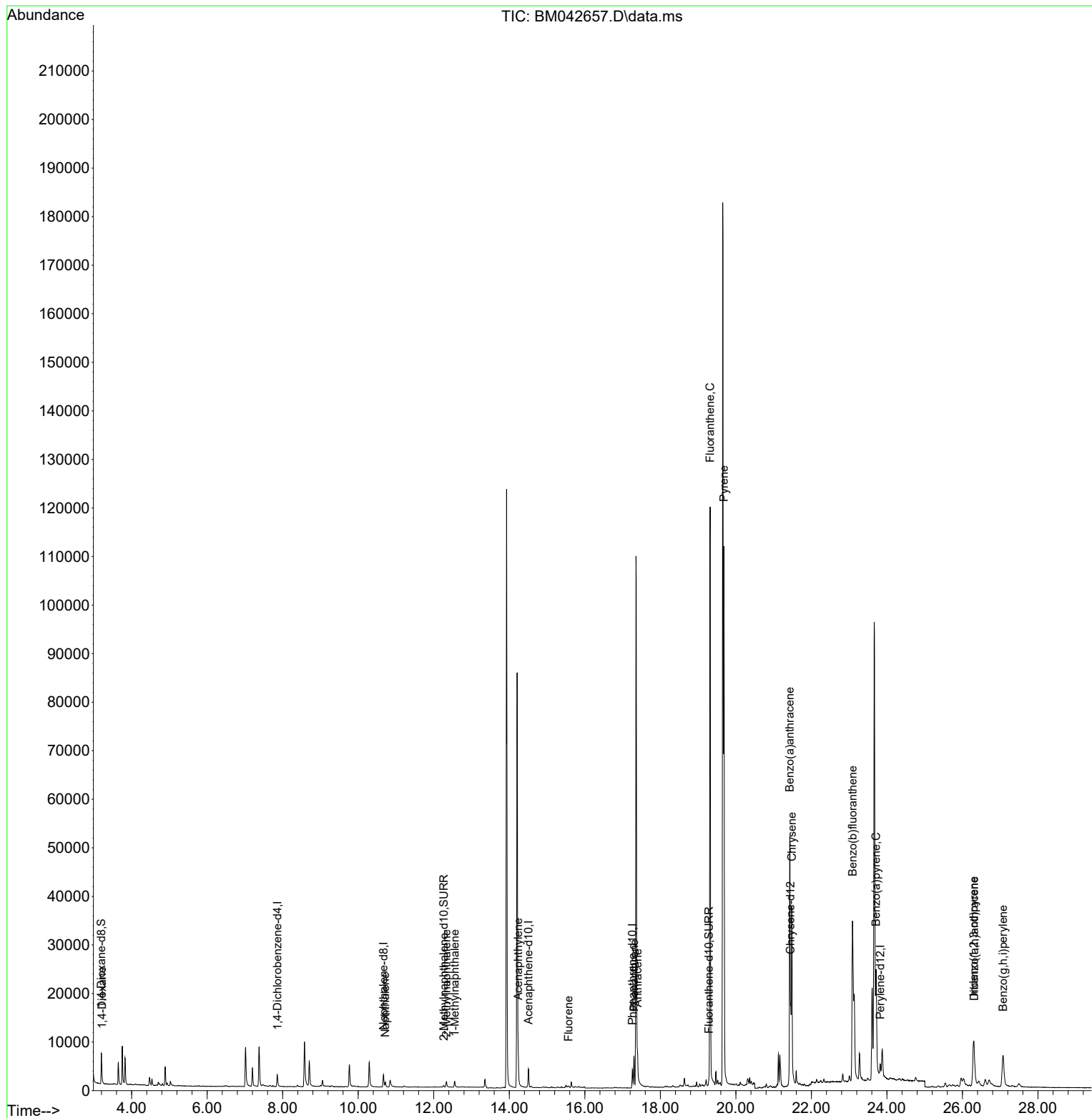
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.859	152	1498	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.667	136	3610	0.400	ng/ul	#-0.01
9) Acenaphthene-d10	14.507	164	2026	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.259	188	4446	0.400	ng/ul	-0.01
17) Chrysene-d12	21.444	240	3562	0.400	ng/ul	#-0.01
23) Perylene-d12	23.823	264	3756	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.198	96	3728	1.883	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	12.262	152	591	0.117	ng/ul	-0.01
18) Fluoranthene-d10	19.286	212	1603	0.130	ng/ul	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.214	88	95	0.040	ng/ul#	69
5) Naphthalene	10.717	128	1484	0.127	ng/ul	93
7) 2-Methylnaphthalene	12.333	142	1044	0.140	ng/ul	99
8) 1-Methylnaphthalene	12.553	142	935	0.123	ng/ul	100
10) Acenaphthylene	14.234	152	6454	0.466	ng/ul	99
12) Fluorene	15.566	166	249	0.023	ng/ul#	85
15) Phenanthrene	17.302	178	7060	0.410	ng/ul	98
16) Anthracene	17.395	178	4809	0.308	ng/ul	99
19) Fluoranthene	19.318	202	103671	4.657	ng/ul	96
20) Pyrene	19.681	202	91816	3.752	ng/ul	99
21) Benzo(a)anthracene	21.426	228	52871	3.335	ng/ul	98
22) Chrysene	21.479	228	33818	2.063	ng/ul	100
24) Benzo(b)fluoranthene	23.089	252	60705	4.002	ng/ul	82
26) Benzo(a)pyrene	23.715	252	28878	1.839	ng/ul#	74
27) Indeno(1,2,3-cd)pyrene	26.299	276	21082	1.032	ng/ul#	88
28) Dibenzo(a,h)anthracene	26.309	278	4766	0.327	ng/ul	96
29) Benzo(g,h,i)perylene	27.073	276	16824	0.886	ng/ul	91

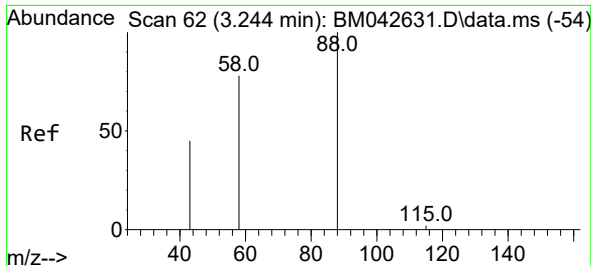
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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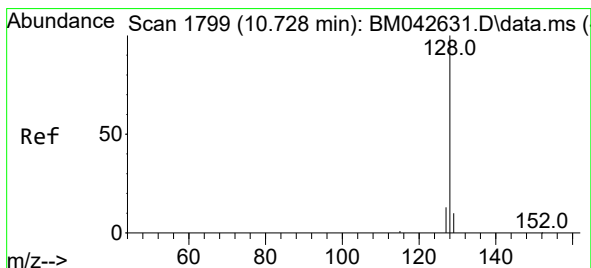
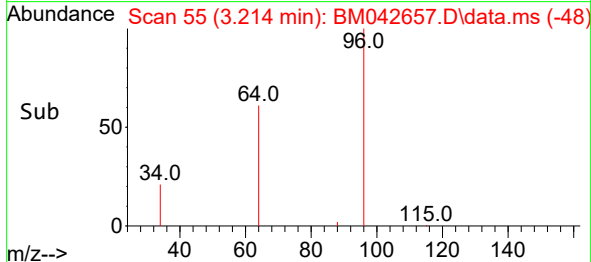
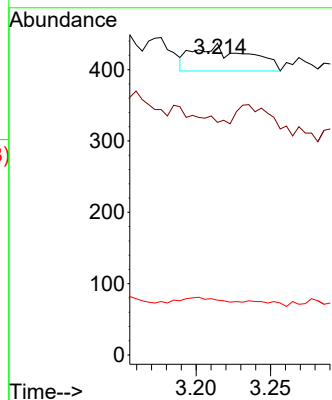
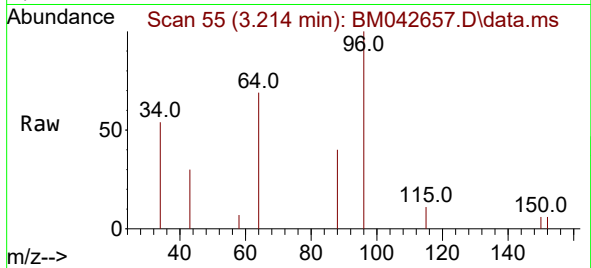




#2
1,4-Dioxane
Concen: 0.040 ng/ul
RT: 3.214 min Scan# 51
Delta R.T. -0.032 min
Lab File: BM042657.D
Acq: 08 Nov 2023 19:47

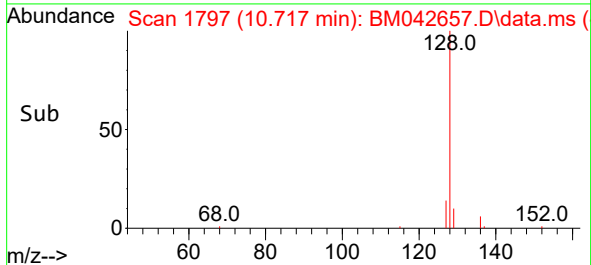
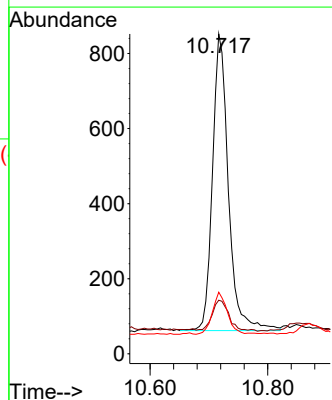
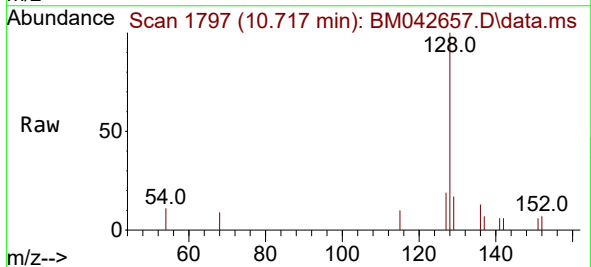
Instrument :
BNA_M
ClientSampleId :
C0AG3

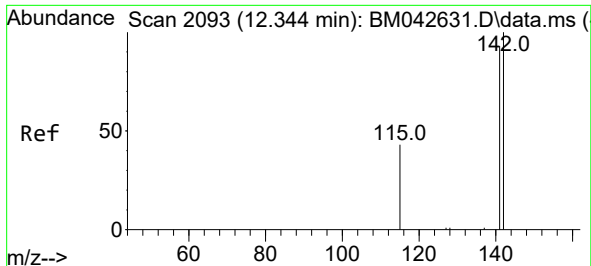
Tgt Ion: 88 Resp: 95
Ion Ratio Lower Upper
88 100
43 74.6 77.5 116.3#
58 17.6 40.9 61.3#



#5
Naphthalene
Concen: 0.127 ng/ul
RT: 10.717 min Scan# 1797
Delta R.T. -0.019 min
Lab File: BM042657.D
Acq: 08 Nov 2023 19:47

Tgt Ion: 128 Resp: 1484
Ion Ratio Lower Upper
128 100
129 16.8 11.3 16.9
127 19.2 13.0 19.4

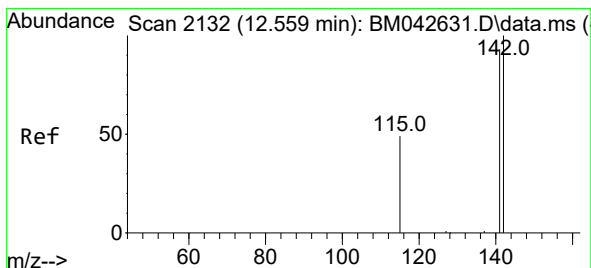
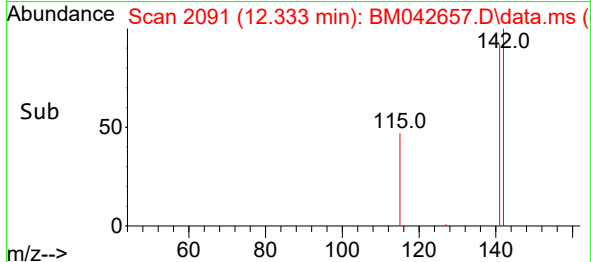
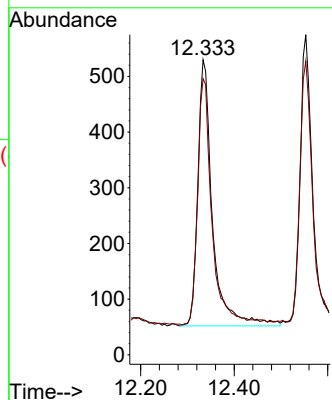
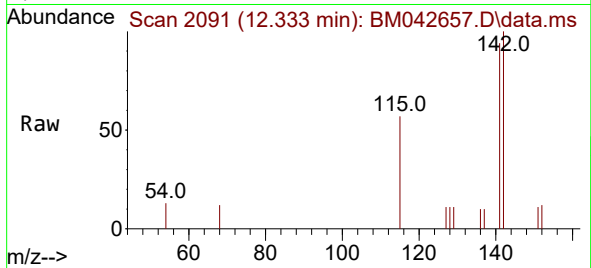




#7
2-Methylnaphthalene
Concen: 0.140 ng/ul
RT: 12.333 min Scan# 2091
Delta R.T. -0.013 min
Lab File: BM042657.D
Acq: 08 Nov 2023 19:47

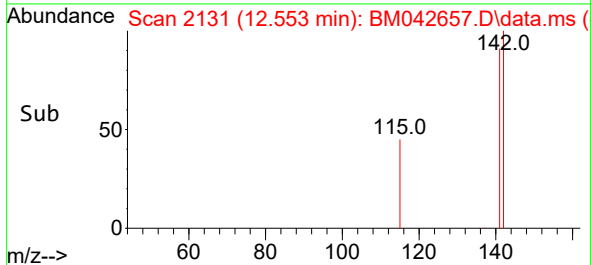
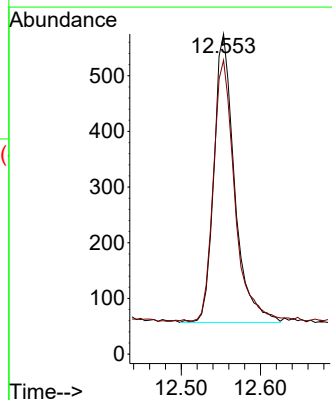
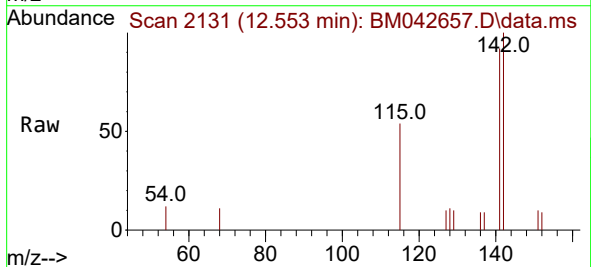
Instrument :
BNA_M
ClientSampleId :
C0AG3

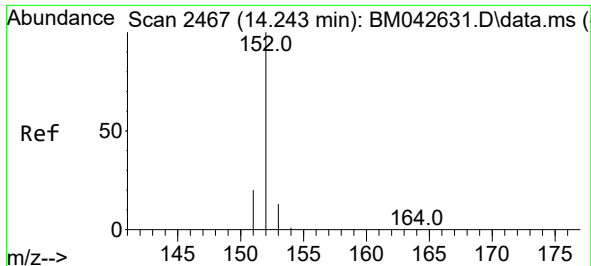
Tgt Ion:142 Resp: 1044
Ion Ratio Lower Upper
142 100
141 90.8 71.7 107.5



#8
1-Methylnaphthalene
Concen: 0.123 ng/ul
RT: 12.553 min Scan# 2131
Delta R.T. -0.013 min
Lab File: BM042657.D
Acq: 08 Nov 2023 19:47

Tgt Ion:142 Resp: 935
Ion Ratio Lower Upper
142 100
141 94.5 75.4 113.2

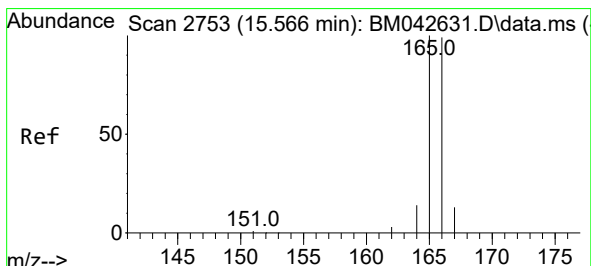
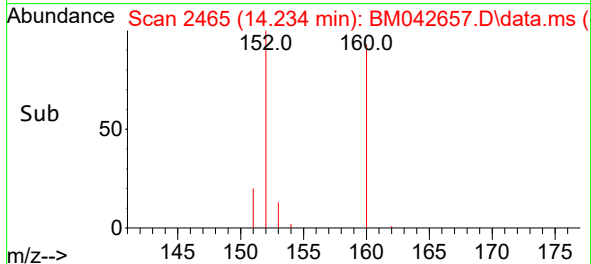
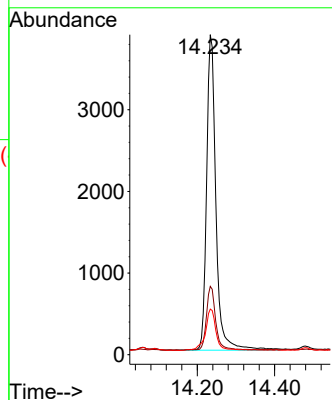
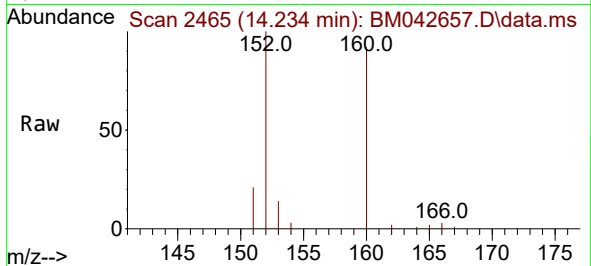




#10
Acenaphthylene
Concen: 0.466 ng/ul
RT: 14.234 min Scan# 2465
Delta R.T. -0.011 min
Lab File: BM042657.D
Acq: 08 Nov 2023 19:47

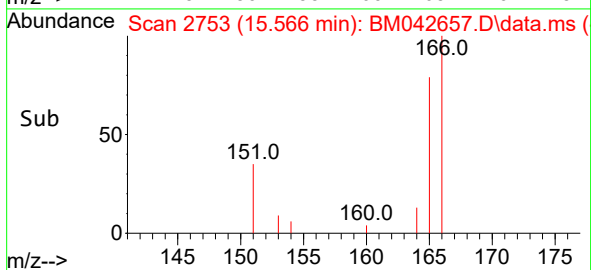
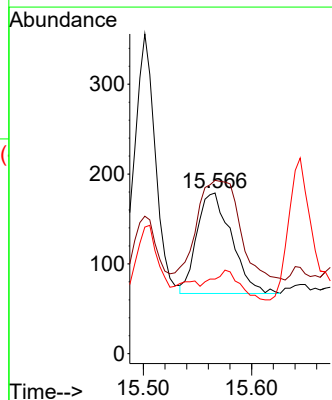
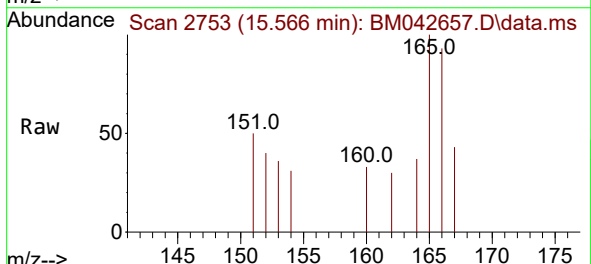
Instrument :
BNA_M
ClientSampleId :
C0AG3

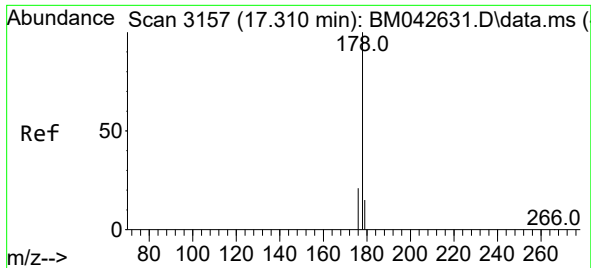
Tgt Ion:152 Resp: 6454
Ion Ratio Lower Upper
152 100
151 21.4 17.2 25.8
153 14.2 11.8 17.8



#12
Fluorene
Concen: 0.023 ng/ul
RT: 15.566 min Scan# 2753
Delta R.T. -0.002 min
Lab File: BM042657.D
Acq: 08 Nov 2023 19:47

Tgt Ion:166 Resp: 249
Ion Ratio Lower Upper
166 100
165 107.8 81.2 121.8
167 46.4 11.9 17.9#

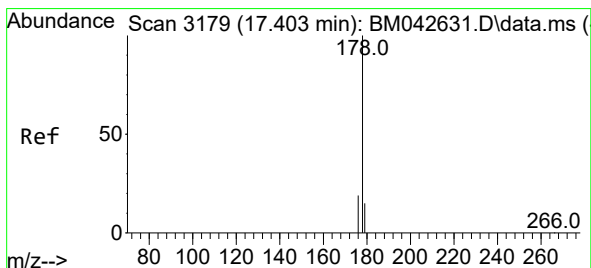
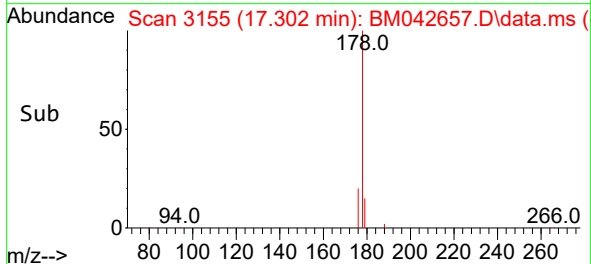
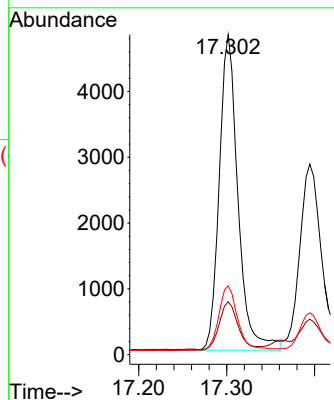
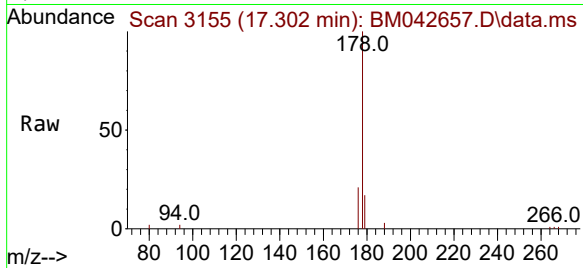




#15
Phenanthrene
Concen: 0.410 ng/ul
RT: 17.302 min Scan# 3155
Delta R.T. -0.010 min
Lab File: BM042657.D
Acq: 08 Nov 2023 19:47

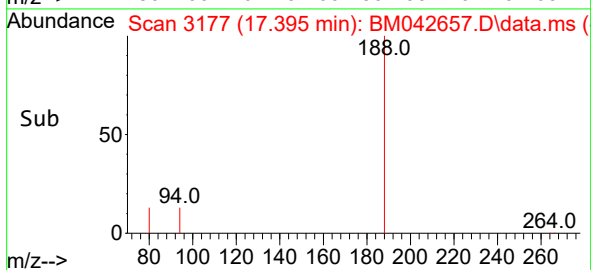
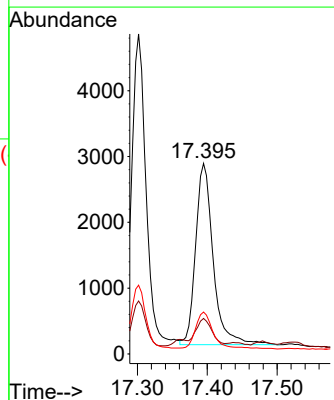
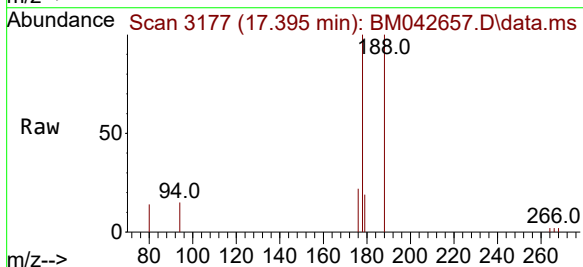
Instrument :
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ClientSampleId :
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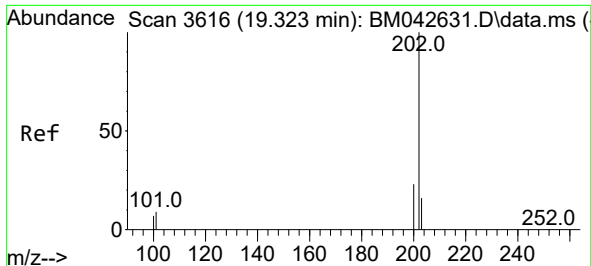
Tgt Ion:178 Resp: 7060
Ion Ratio Lower Upper
178 100
179 16.6 13.7 20.5
176 21.5 18.2 27.2



#16
Anthracene
Concen: 0.308 ng/ul
RT: 17.395 min Scan# 3177
Delta R.T. -0.014 min
Lab File: BM042657.D
Acq: 08 Nov 2023 19:47

Tgt Ion:178 Resp: 4809
Ion Ratio Lower Upper
178 100
179 18.6 14.2 21.4
176 22.0 17.6 26.4

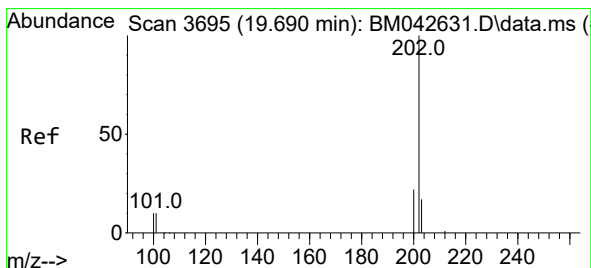
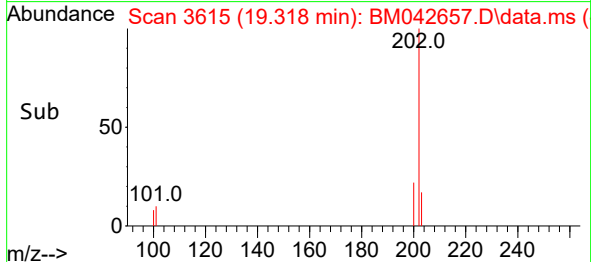
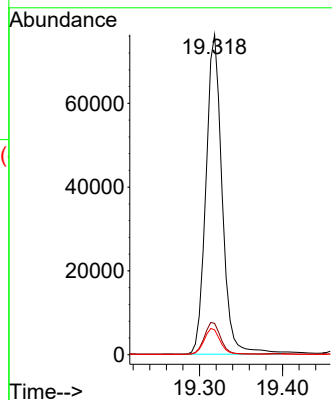
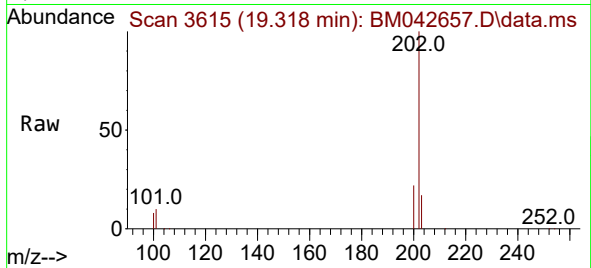




#19
Fluoranthene
Concen: 4.657 ng/ul
RT: 19.318 min Scan# 3615
Delta R.T. -0.011 min
Lab File: BM042657.D
Acq: 08 Nov 2023 19:47

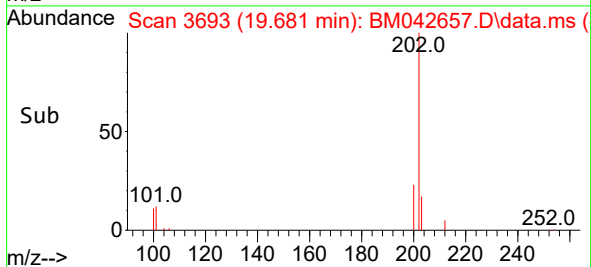
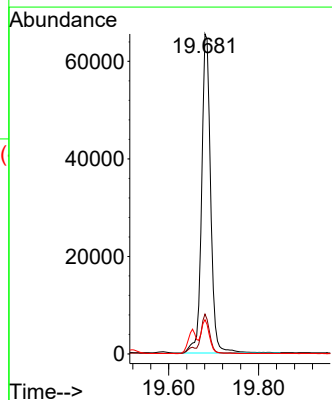
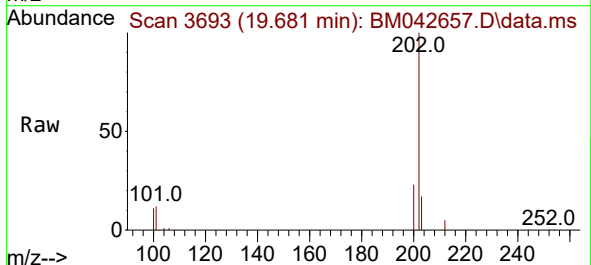
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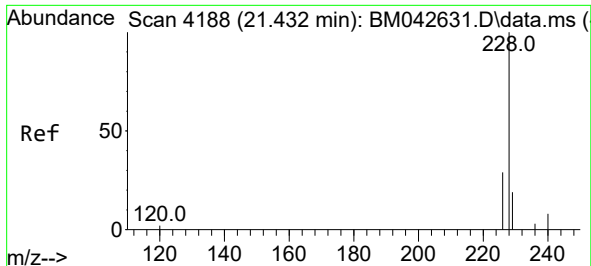
Tgt Ion:202 Resp: 103671
Ion Ratio Lower Upper
202 100
101 9.8 9.0 13.6
100 7.7 7.3 10.9



#20
Pyrene
Concen: 3.752 ng/ul
RT: 19.681 min Scan# 3693
Delta R.T. -0.016 min
Lab File: BM042657.D
Acq: 08 Nov 2023 19:47

Tgt Ion:202 Resp: 91816
Ion Ratio Lower Upper
202 100
101 12.5 10.6 16.0
100 10.7 8.6 13.0

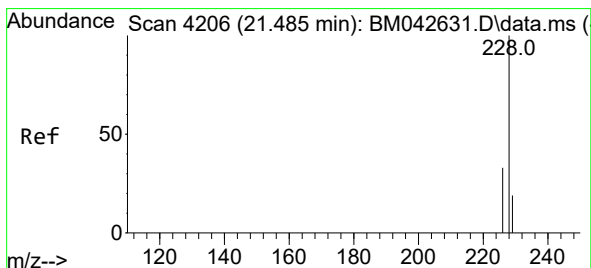
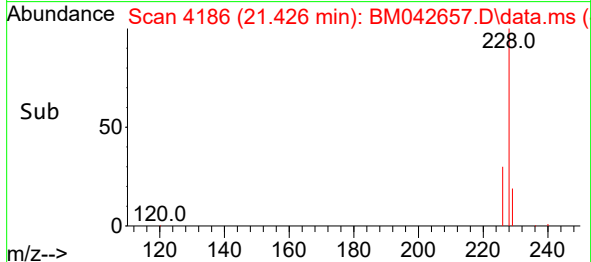
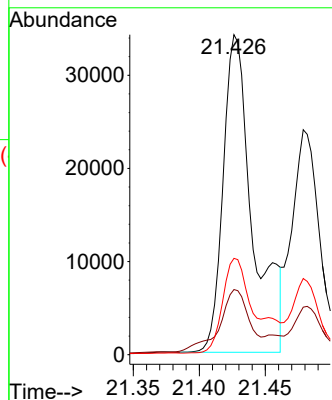
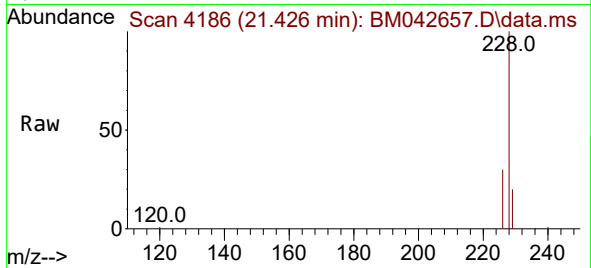




#21
Benzo(a)anthracene
Concen: 3.335 ng/ul
RT: 21.426 min Scan# 4188
Delta R.T. -0.010 min
Lab File: BM042657.D
Acq: 08 Nov 2023 19:47

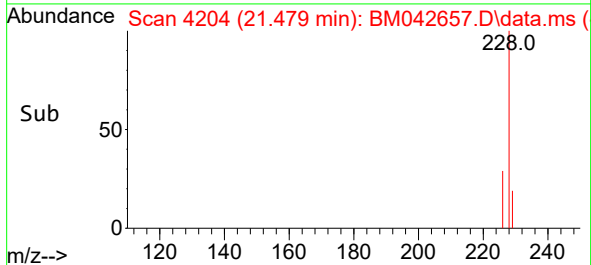
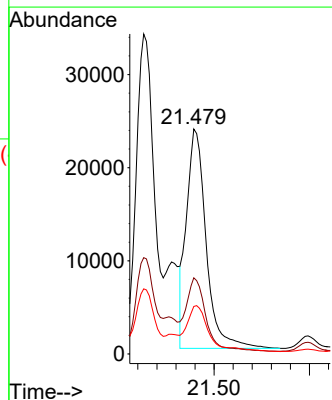
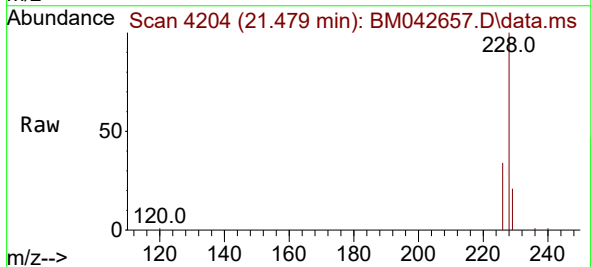
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ClientSampleId :
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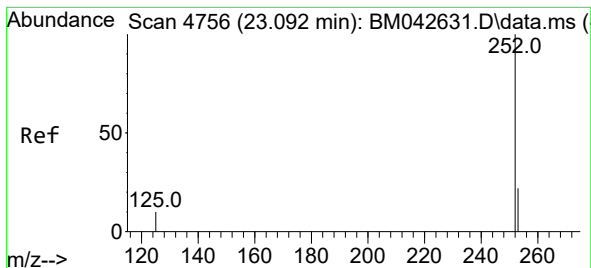
Tgt Ion:228 Resp: 52871
Ion Ratio Lower Upper
228 100
229 20.3 17.0 25.4
226 30.1 25.2 37.8



#22
Chrysene
Concen: 2.063 ng/ul
RT: 21.479 min Scan# 4204
Delta R.T. -0.013 min
Lab File: BM042657.D
Acq: 08 Nov 2023 19:47

Tgt Ion:228 Resp: 33818
Ion Ratio Lower Upper
228 100
226 33.9 27.4 41.0
229 21.2 17.0 25.6





#24

Benzo(b)fluoranthene

Concen: 4.002 ng/ul

RT: 23.089 min Scan# 41

Delta R.T. -0.011 min

Lab File: BM042657.D

Acq: 08 Nov 2023 19:47

Instrument :

BNA_M

ClientSampleId :

C0AG3

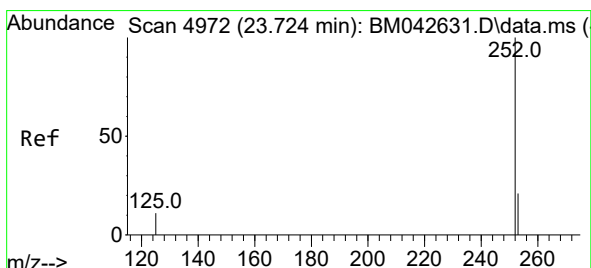
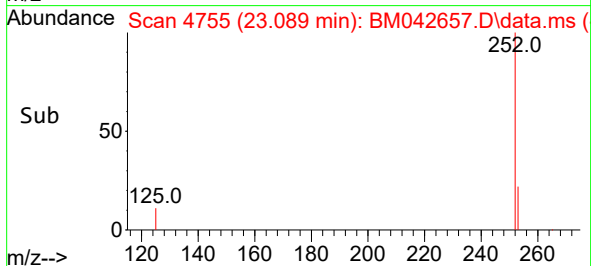
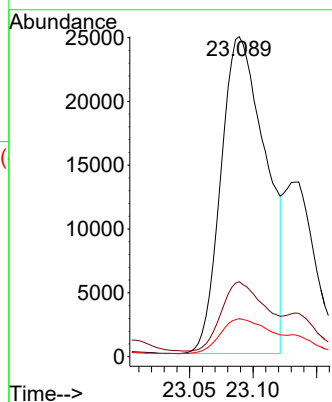
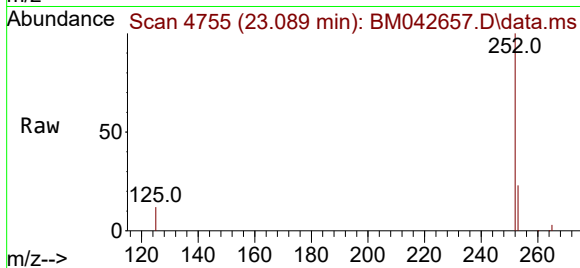
Tgt Ion:252 Resp: 60705

Ion Ratio Lower Upper

252 100

253 23.4 0.0 65.8

125 11.9 0.0 43.6



#26

Benzo(a)pyrene

Concen: 1.839 ng/ul

RT: 23.715 min Scan# 4969

Delta R.T. -0.019 min

Lab File: BM042657.D

Acq: 08 Nov 2023 19:47

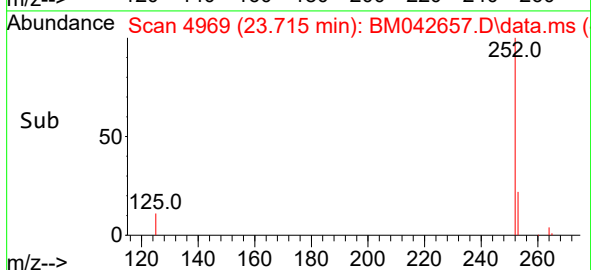
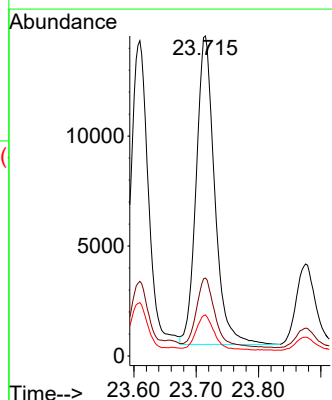
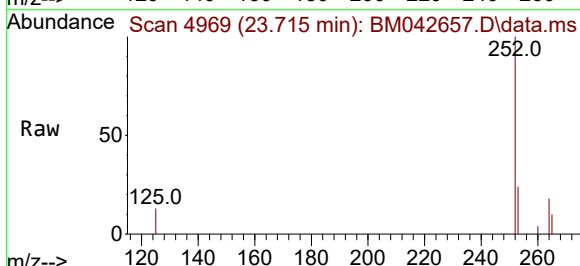
Tgt Ion:252 Resp: 28878

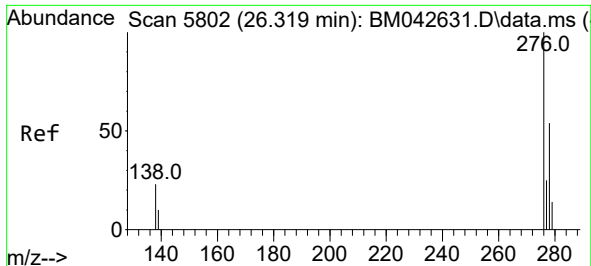
Ion Ratio Lower Upper

252 100

253 24.4 31.7 47.5#

125 12.9 22.1 33.1#

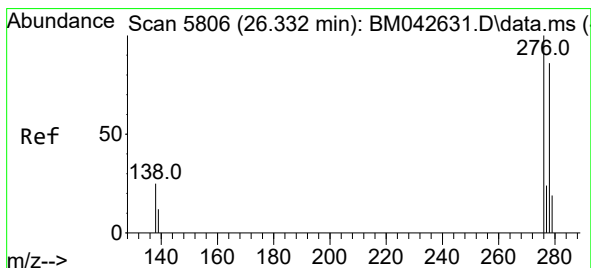
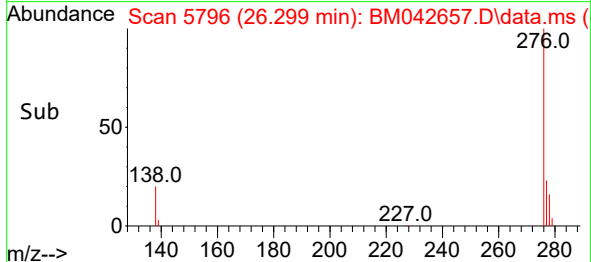
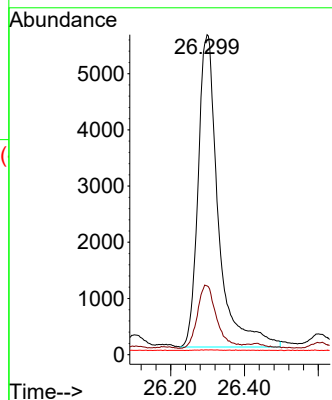
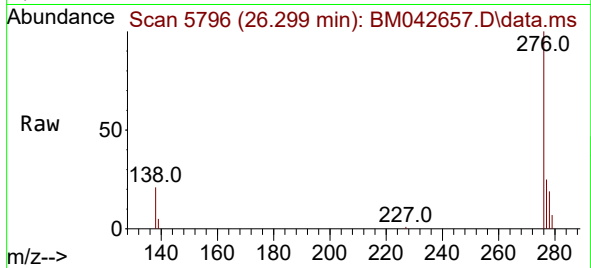




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 1.032 ng/ul
 RT: 26.299 min Scan# 5796
 Delta R.T. -0.029 min
 Lab File: BM042657.D
 Acq: 08 Nov 2023 19:47

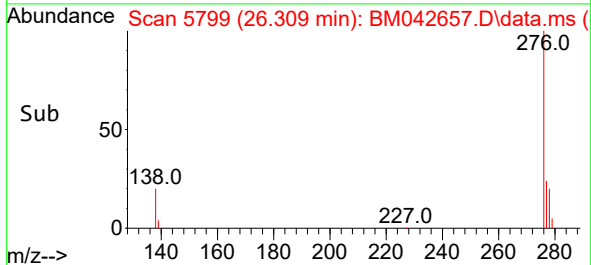
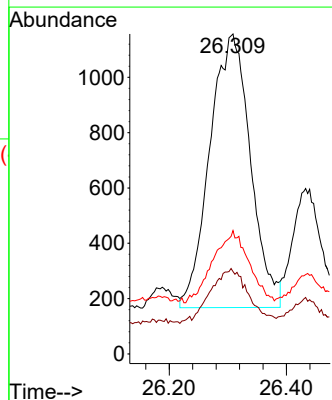
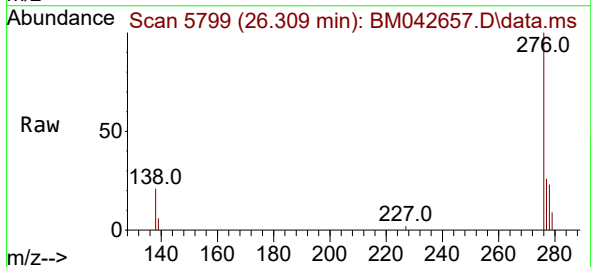
Instrument :
 BNA_M
 ClientSampleId :
 C0AG3

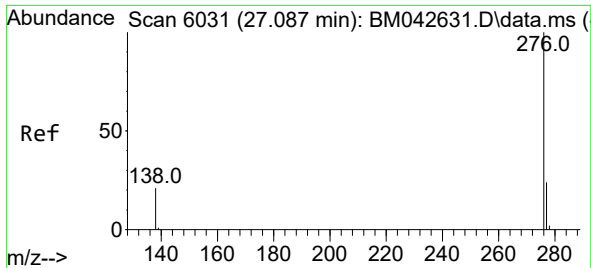
Tgt Ion:276 Resp: 21082
 Ion Ratio Lower Upper
 276 100
 138 19.8 20.7 31.1#
 227 0.1 0.1 0.1#



#28
 Dibenzo(a,h)anthracene
 Concen: 0.327 ng/ul
 RT: 26.309 min Scan# 5799
 Delta R.T. -0.039 min
 Lab File: BM042657.D
 Acq: 08 Nov 2023 19:47

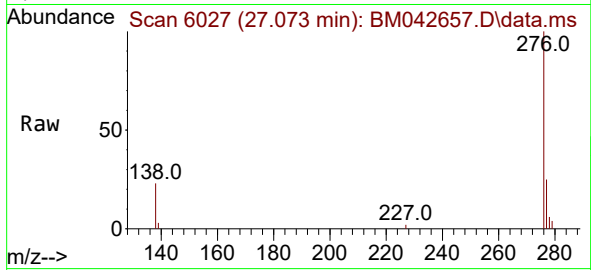
Tgt Ion:278 Resp: 4766
 Ion Ratio Lower Upper
 278 100
 139 25.8 24.3 36.5
 279 38.5 31.5 47.3





#29
 Benzo(g,h,i)perylene
 Concen: 0.886 ng/ul
 RT: 27.073 min Scan# 60
 Delta R.T. -0.032 min
 Lab File: BM042657.D
 Acq: 08 Nov 2023 19:47

Instrument :
 BNA_M
 ClientSampleId :
 C0AG3



Tgt Ion:	276	Resp:	16824
Ion Ratio	Lower	Upper	
276	100		
138	22.7	22.3	33.5
277	25.2	23.6	35.4

