

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071323\
 Data File : BM040864.D
 Acq On : 14 Jul 2023 00:19
 Operator : MA/JU
 Sample : 03418-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4643

Quant Time: Jul 14 03:18:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 03:14:53 2023
 Response via : Initial Calibration

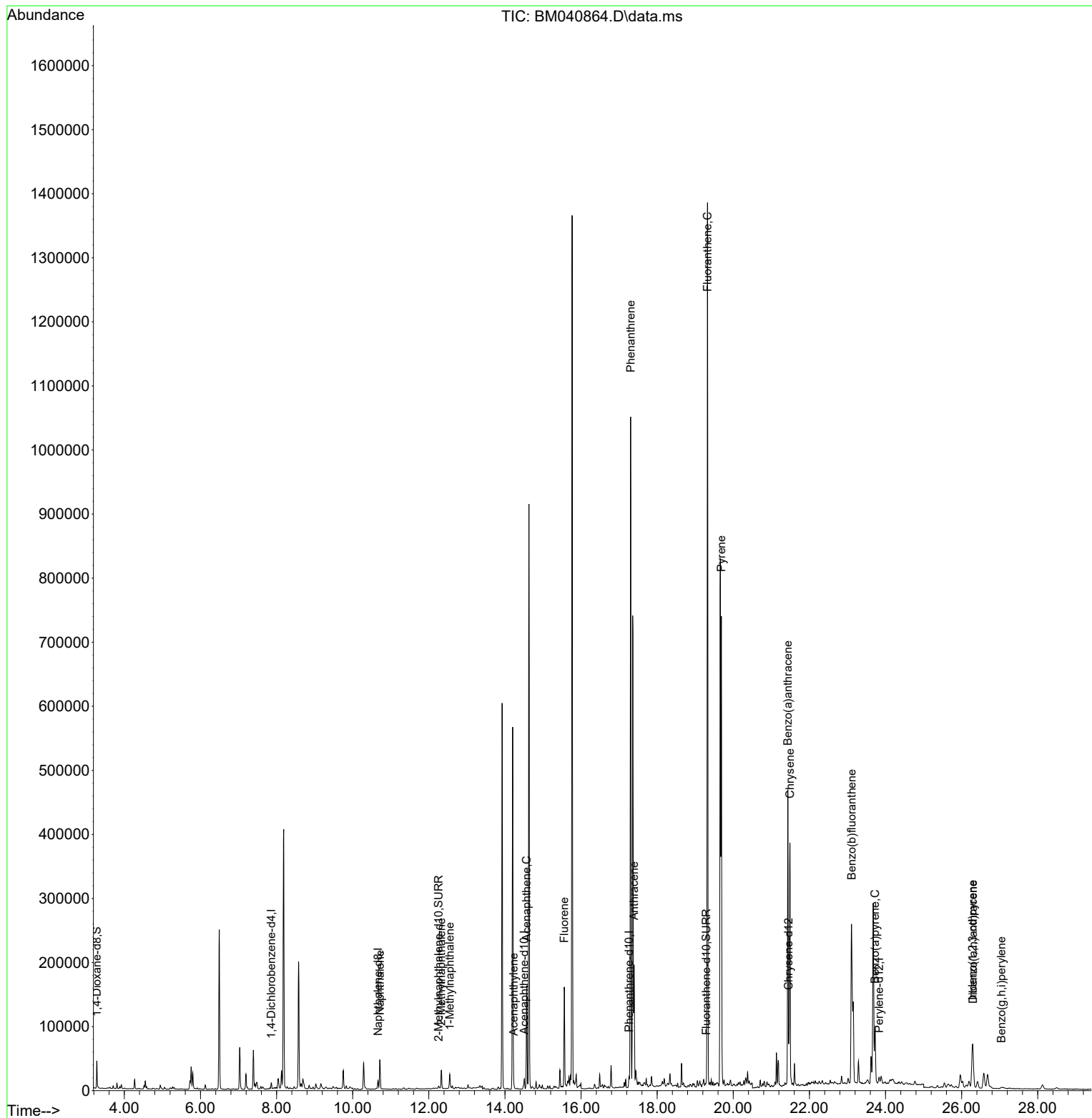
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	4861	0.400	ng/ul	0.00
4) Naphthalene-d8	10.664	136	16744	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.509	164	8024	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.261	188	17269	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.451	240	11130	0.400	ng/ul	# 0.00
23) Perylene-d12	23.830	264	12496	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	22513	2.948	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.258	152	5329	0.227	ng/ul	0.00
18) Fluoranthene-d10	19.292	212	8345	0.234	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.713	128	60507	1.310	ng/ul	100
7) 2-Methylnaphthalene	12.330	142	19728	0.727	ng/ul	99
8) 1-Methylnaphthalene	12.550	142	14881	0.549	ng/ul	97
10) Acenaphthylene	14.231	152	6064	0.169	ng/ul#	73
11) Acenaphthene	14.569	153	91300	3.016	ng/ul	97
12) Fluorene	15.559	166	94599	2.927	ng/ul	99
15) Phenanthrene	17.303	178	1036424	19.321	ng/ul	99
16) Anthracene	17.392	178	183870	4.079	ng/ul	100
19) Fluoranthene	19.324	202	1086027	22.971	ng/ul#	93
20) Pyrene	19.687	202	588543	11.611	ng/ul	96
21) Benzo(a)anthracene	21.434	228	370710	9.847	ng/ul	99
22) Chrysene	21.486	228	349396	8.136	ng/ul	98
24) Benzo(b)fluoranthene	23.108	252	413223	8.545	ng/ul	89
26) Benzo(a)pyrene	23.725	252	118365	2.717	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	26.284	276	104931	1.730	ng/ul#	89
28) Dibenzo(a,h)anthracene	26.297	278	45677	0.962	ng/ul	98
29) Benzo(g,h,i)perylene	27.048	276	5974	0.112	ng/ul#	62

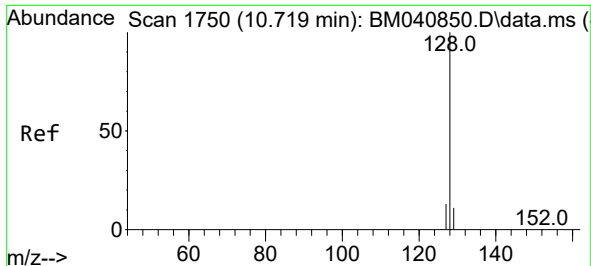
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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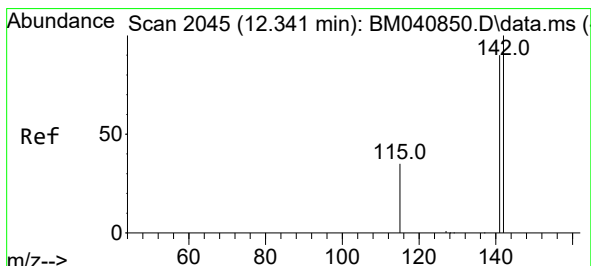
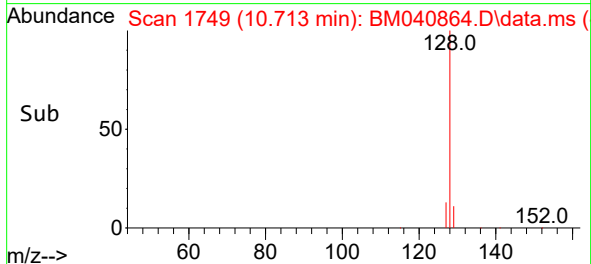
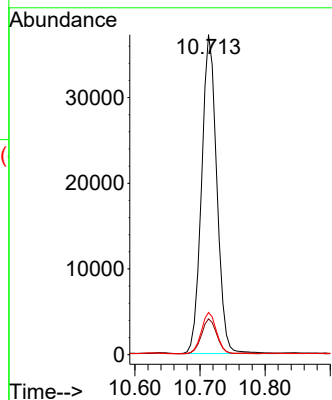
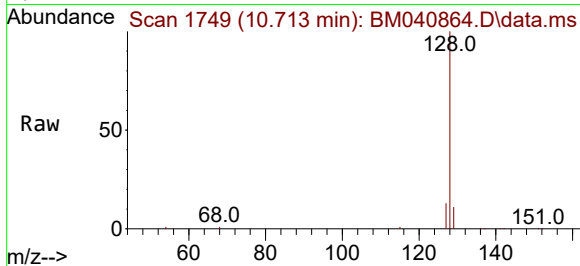




#5
Naphthalene
Concen: 1.310 ng/ul
RT: 10.713 min Scan# 1749
Delta R.T. -0.005 min
Lab File: BM040864.D
Acq: 14 Jul 2023 00:19

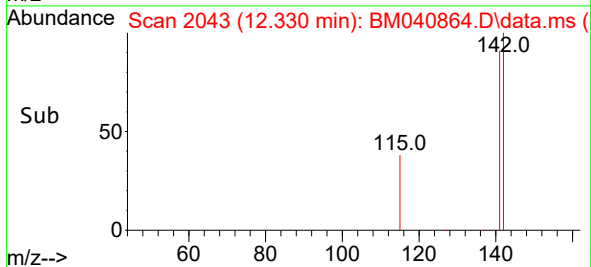
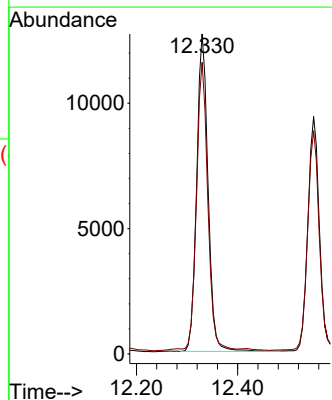
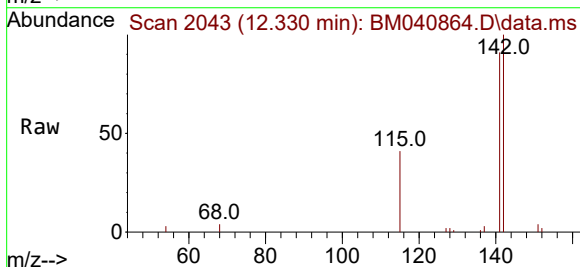
Instrument :
BNA_M
ClientSampleId :
A4643

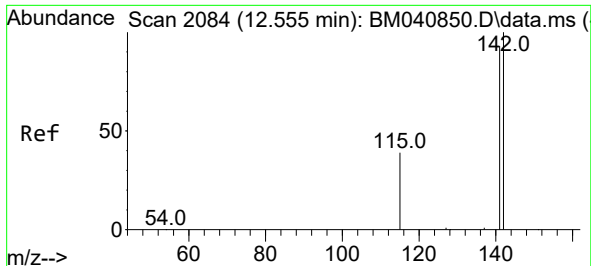
Tgt Ion:128 Resp: 60507
Ion Ratio Lower Upper
128 100
129 11.2 9.2 13.8
127 13.2 10.6 15.8



#7
2-Methylnaphthalene
Concen: 0.727 ng/ul
RT: 12.330 min Scan# 2043
Delta R.T. -0.011 min
Lab File: BM040864.D
Acq: 14 Jul 2023 00:19

Tgt Ion:142 Resp: 19728
Ion Ratio Lower Upper
142 100
141 90.7 71.9 107.9

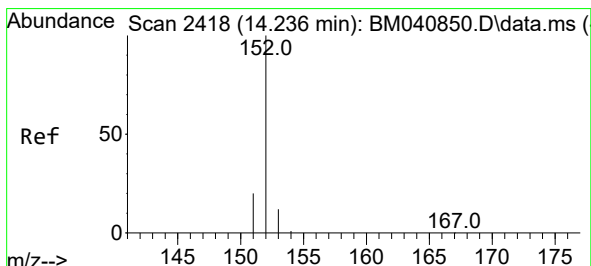
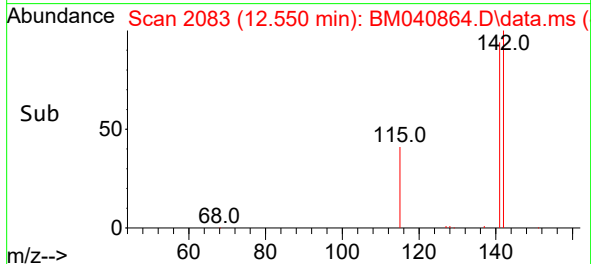
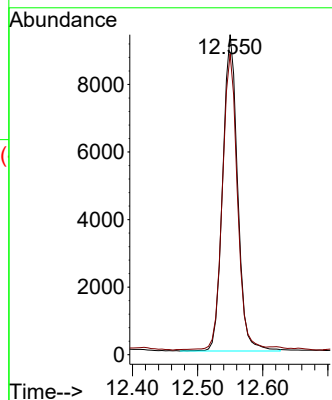
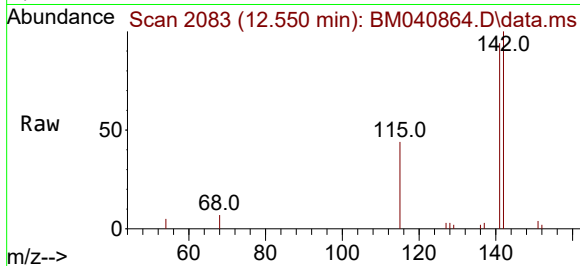




#8
1-Methylnaphthalene
Concen: 0.549 ng/ul
RT: 12.550 min Scan# 2084
Delta R.T. -0.005 min
Lab File: BM040864.D
Acq: 14 Jul 2023 00:19

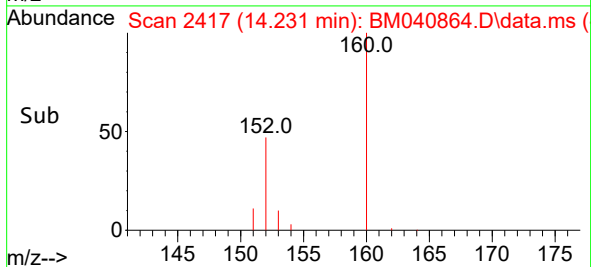
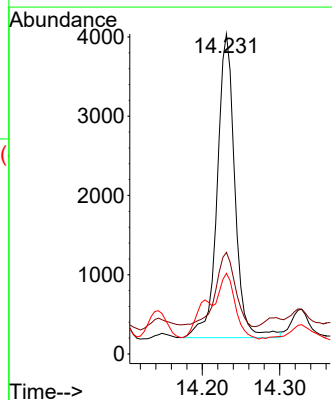
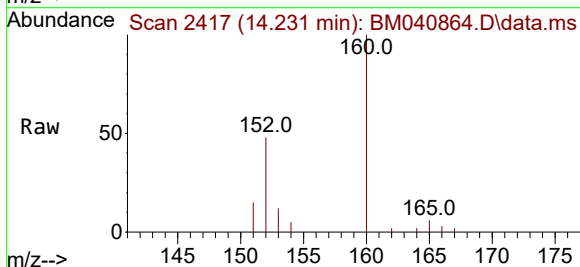
Instrument :
BNA_M
ClientSampleId :
A4643

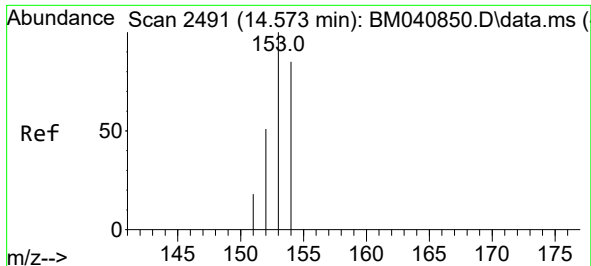
Tgt Ion:142 Resp: 14881
Ion Ratio Lower Upper
142 100
141 95.4 73.7 110.5



#10
Acenaphthylene
Concen: 0.169 ng/ul
RT: 14.231 min Scan# 2417
Delta R.T. -0.005 min
Lab File: BM040864.D
Acq: 14 Jul 2023 00:19

Tgt Ion:152 Resp: 6064
Ion Ratio Lower Upper
152 100
151 31.8 16.2 24.2#
153 25.2 10.9 16.3#

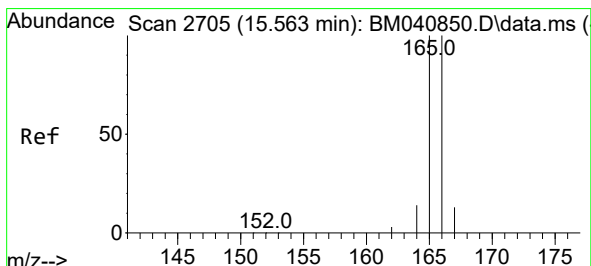
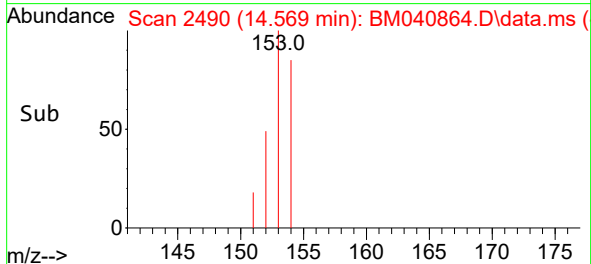
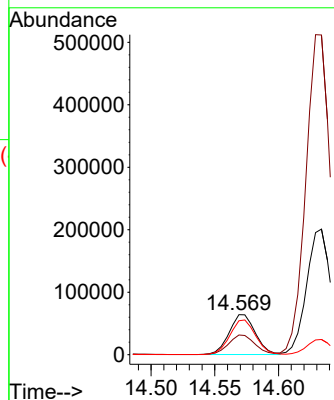
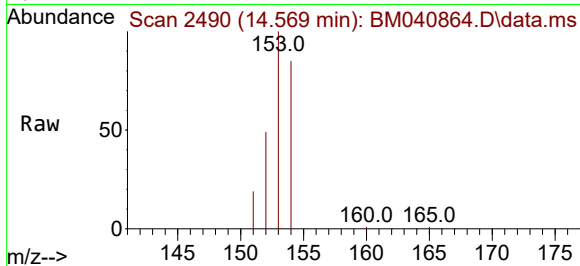




#11
Acenaphthene
Concen: 3.016 ng/ul
RT: 14.569 min Scan# 2491
Delta R.T. -0.005 min
Lab File: BM040864.D
Acq: 14 Jul 2023 00:19

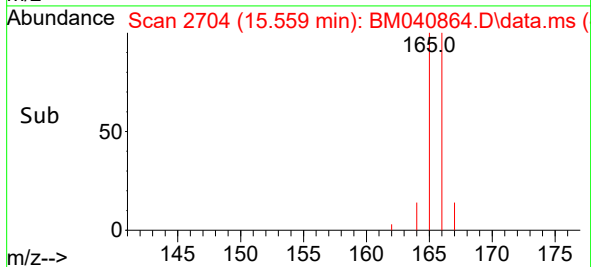
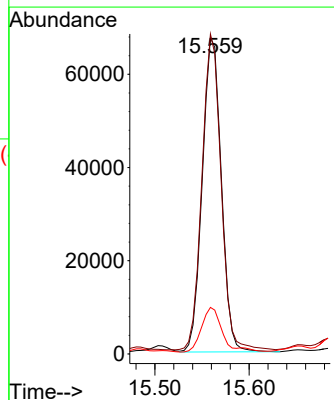
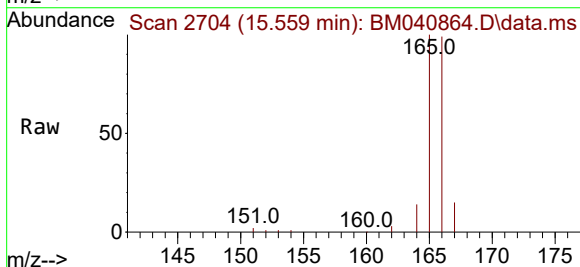
Instrument :
BNA_M
ClientSampleId :
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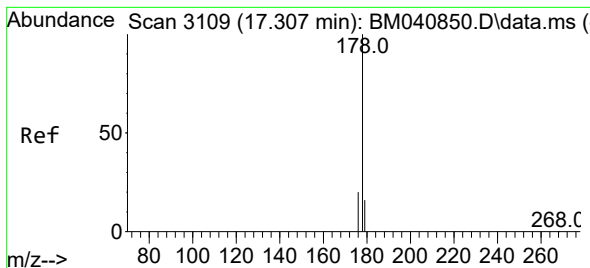
Tgt Ion:153 Resp: 91300
Ion Ratio Lower Upper
153 100
152 49.5 41.0 61.4
154 85.0 70.8 106.2



#12
Fluorene
Concen: 2.927 ng/ul
RT: 15.559 min Scan# 2704
Delta R.T. -0.005 min
Lab File: BM040864.D
Acq: 14 Jul 2023 00:19

Tgt Ion:166 Resp: 94599
Ion Ratio Lower Upper
166 100
165 101.0 79.6 119.4
167 14.7 11.4 17.0





#15

Phenanthrene

Concen: 19.321 ng/ul

RT: 17.303 min Scan# 3108

Delta R.T. -0.004 min

Lab File: BM040864.D

Acq: 14 Jul 2023 00:19

Instrument :

BNA_M

ClientSampleId :

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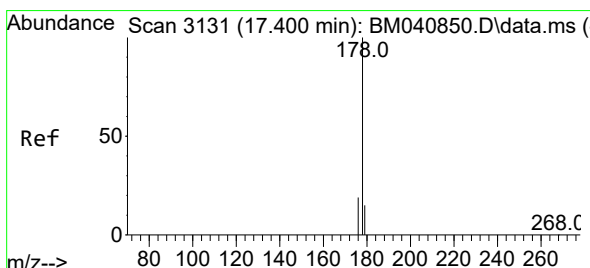
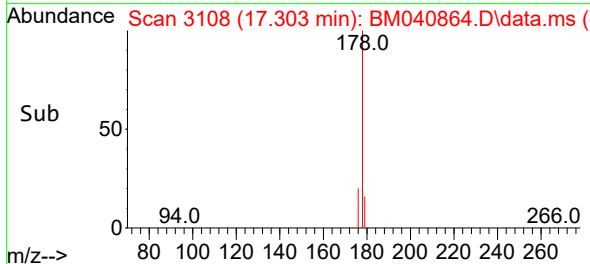
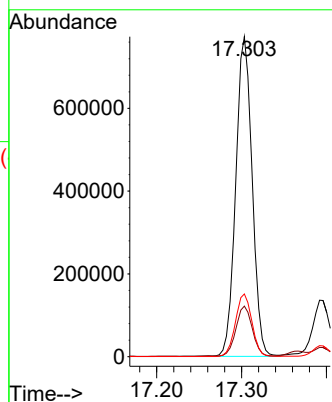
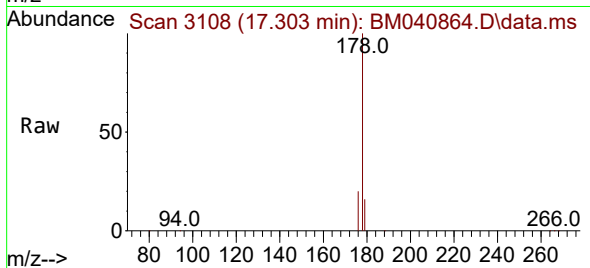
Tgt Ion:178 Resp: 1036424

Ion Ratio Lower Upper

178 100

179 15.8 12.8 19.2

176 19.6 16.4 24.6



#16

Anthracene

Concen: 4.079 ng/ul

RT: 17.392 min Scan# 3129

Delta R.T. -0.008 min

Lab File: BM040864.D

Acq: 14 Jul 2023 00:19

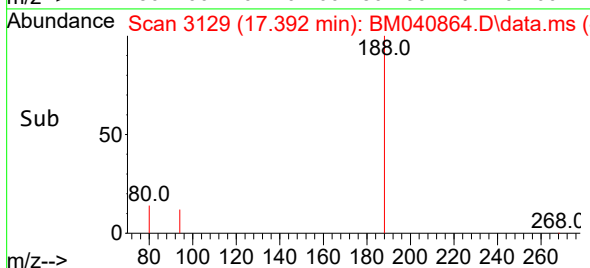
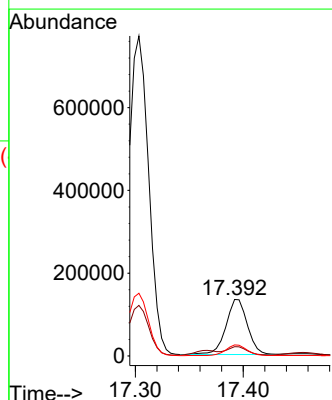
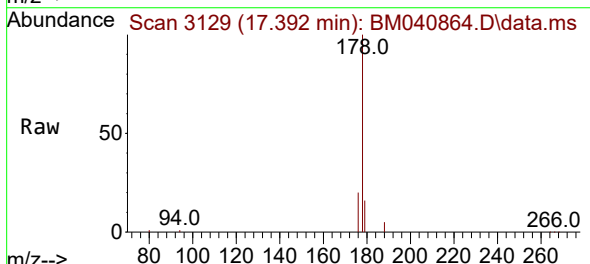
Tgt Ion:178 Resp: 183870

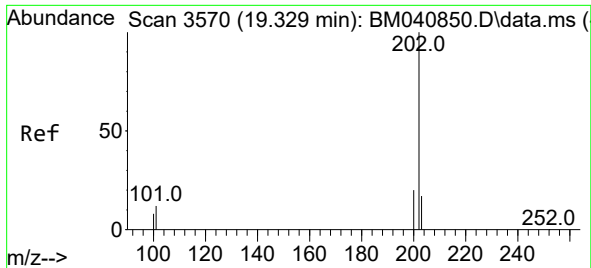
Ion Ratio Lower Upper

178 100

179 16.3 12.9 19.3

176 19.6 15.8 23.6

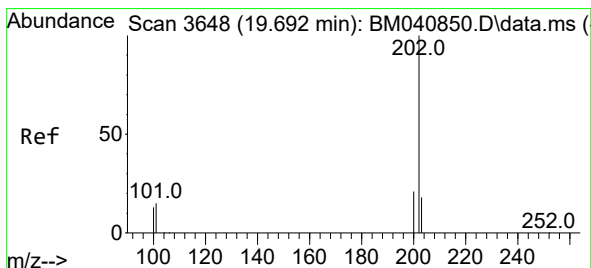
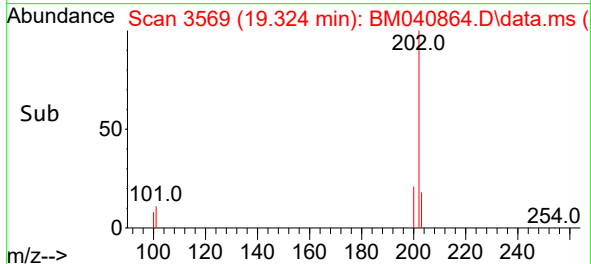
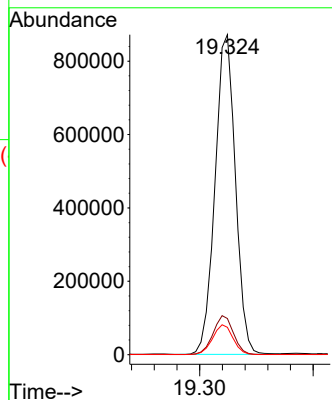
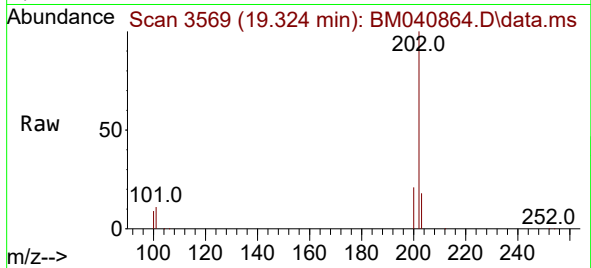




#19
Fluoranthene
Concen: 22.971 ng/ul
RT: 19.324 min Scan# 31
Delta R.T. -0.005 min
Lab File: BM040864.D
Acq: 14 Jul 2023 00:19

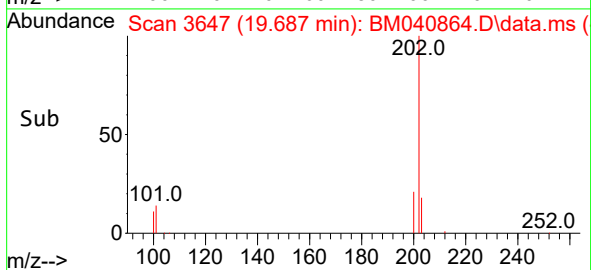
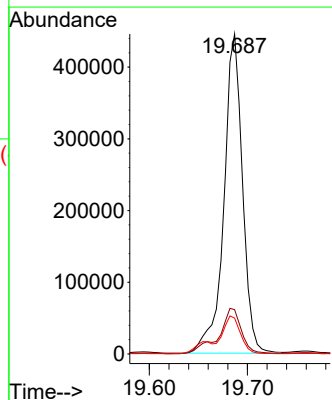
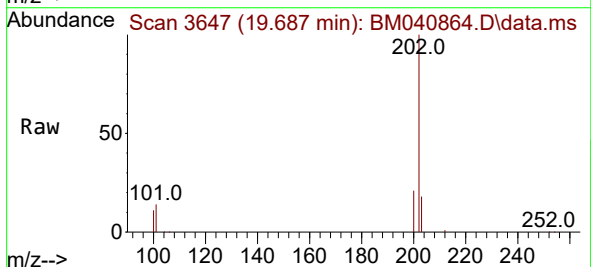
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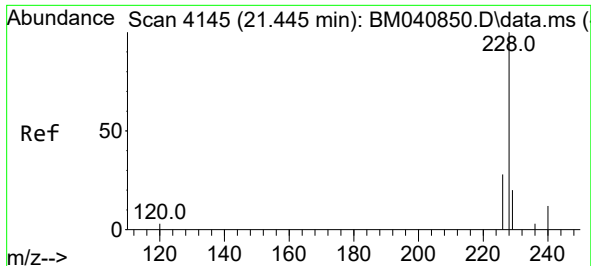
Tgt Ion:202 Resp: 1086027
Ion Ratio Lower Upper
202 100
101 11.3 11.4 17.0#
100 8.6 8.7 13.1#



#20
Pyrene
Concen: 11.611 ng/ul
RT: 19.687 min Scan# 3647
Delta R.T. -0.005 min
Lab File: BM040864.D
Acq: 14 Jul 2023 00:19

Tgt Ion:202 Resp: 588543
Ion Ratio Lower Upper
202 100
101 13.9 12.6 18.8
100 11.2 9.8 14.6

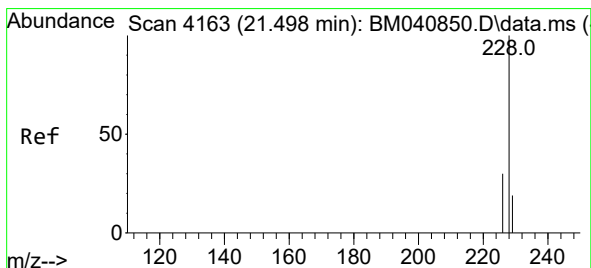
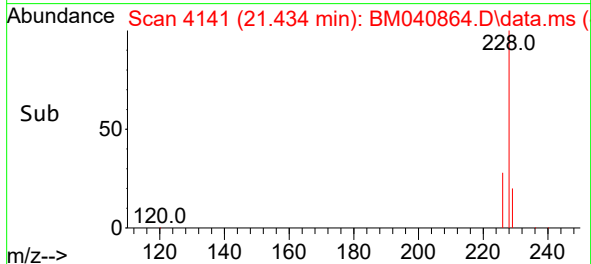
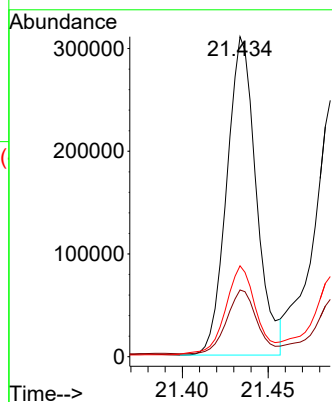
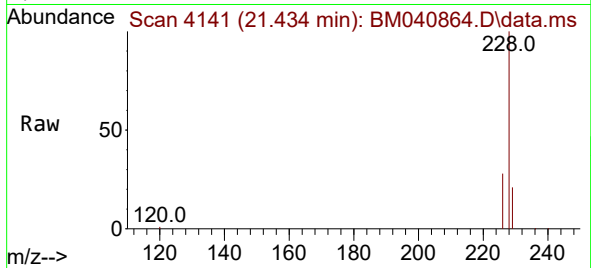




#21
Benzo(a)anthracene
Concen: 9.847 ng/ul
RT: 21.434 min Scan# 4141
Delta R.T. -0.012 min
Lab File: BM040864.D
Acq: 14 Jul 2023 00:19

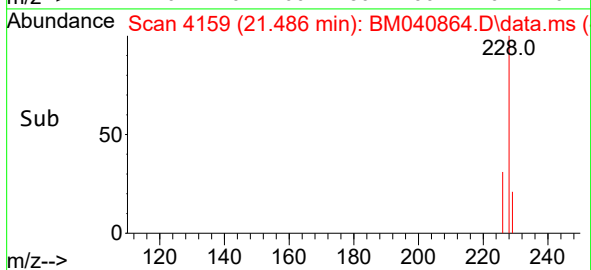
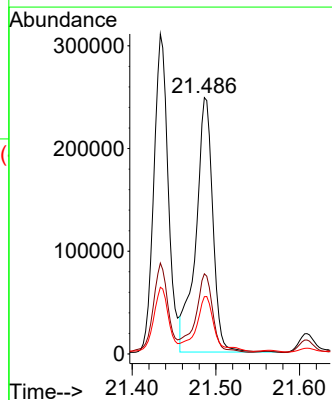
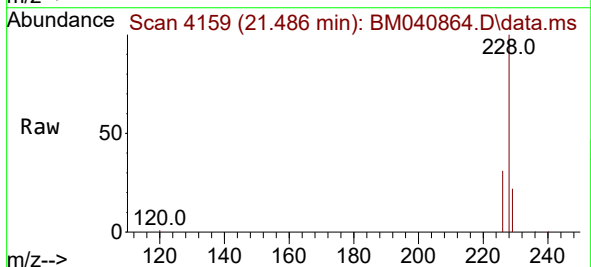
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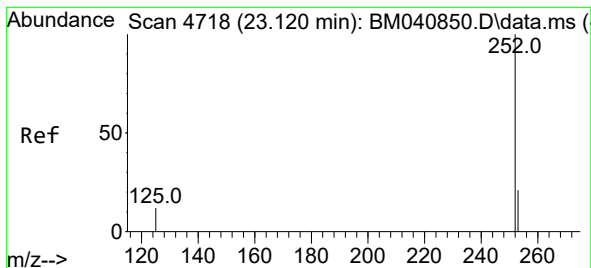
Tgt Ion:228 Resp: 370710
Ion Ratio Lower Upper
228 100
229 20.9 16.0 24.0
226 28.4 22.3 33.5



#22
Chrysene
Concen: 8.136 ng/ul
RT: 21.486 min Scan# 4159
Delta R.T. -0.012 min
Lab File: BM040864.D
Acq: 14 Jul 2023 00:19

Tgt Ion:228 Resp: 349396
Ion Ratio Lower Upper
228 100
226 31.3 24.9 37.3
229 22.4 15.8 23.6





#24

Benzo(b)fluoranthene

Concen: 8.545 ng/ul

RT: 23.108 min Scan# 41

Delta R.T. -0.012 min

Lab File: BM040864.D

Acq: 14 Jul 2023 00:19

Instrument :

BNA_M

ClientSampleId :

A4643

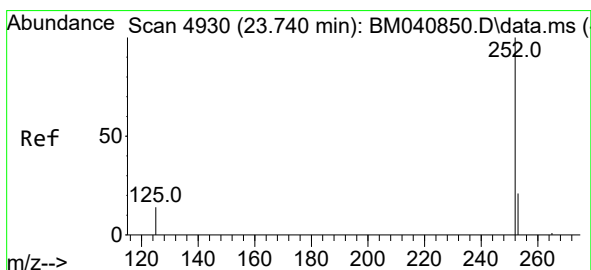
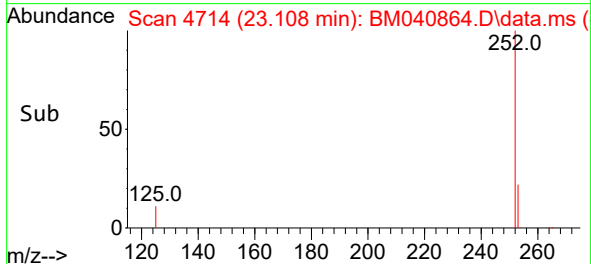
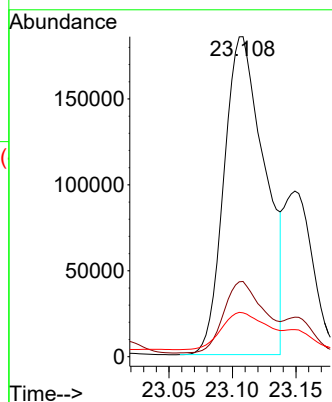
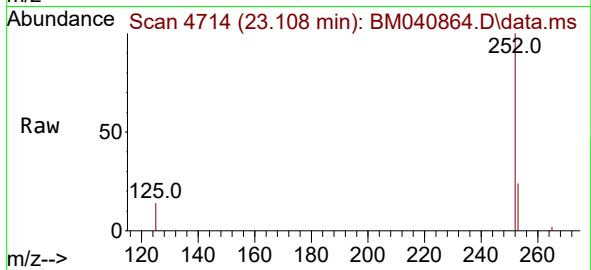
Tgt Ion:252 Resp: 413223

Ion Ratio Lower Upper

252 100

253 23.5 0.0 52.8

125 13.7 0.0 43.0



#26

Benzo(a)pyrene

Concen: 2.717 ng/ul

RT: 23.725 min Scan# 4925

Delta R.T. -0.015 min

Lab File: BM040864.D

Acq: 14 Jul 2023 00:19

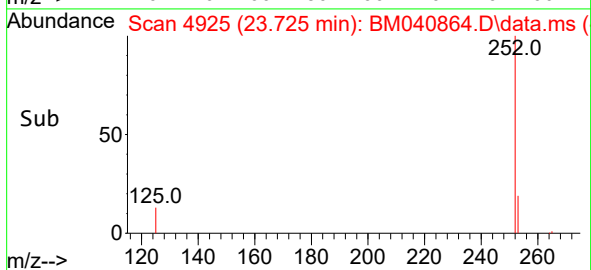
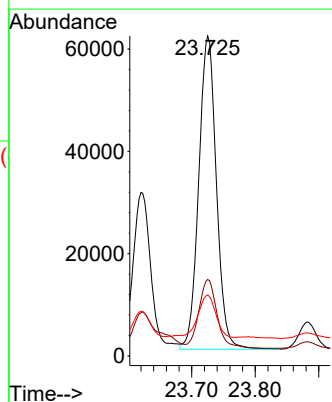
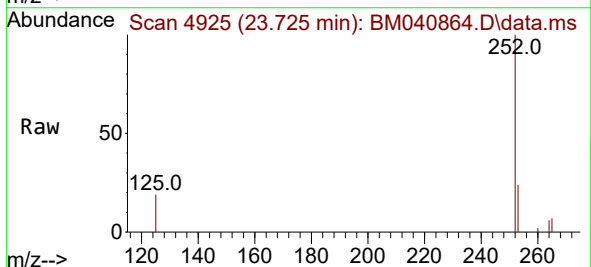
Tgt Ion:252 Resp: 118365

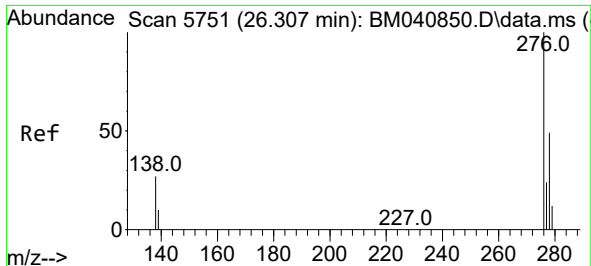
Ion Ratio Lower Upper

252 100

253 23.9 22.9 34.3

125 19.0 21.0 31.4#

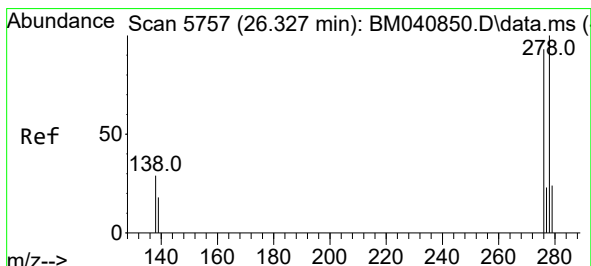
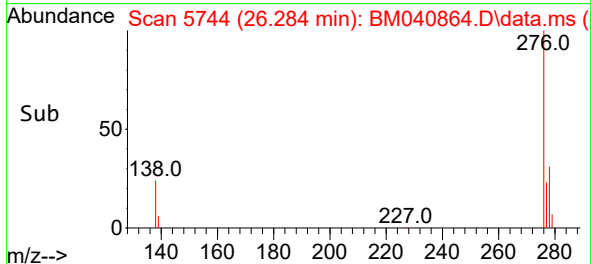
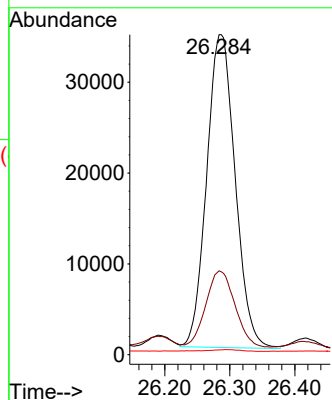
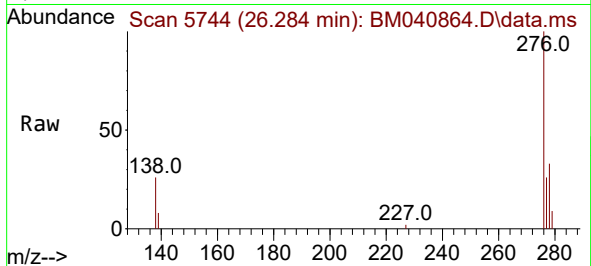




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 1.730 ng/ul
 RT: 26.284 min Scan# 51
 Delta R.T. -0.023 min
 Lab File: BM040864.D
 Acq: 14 Jul 2023 00:19

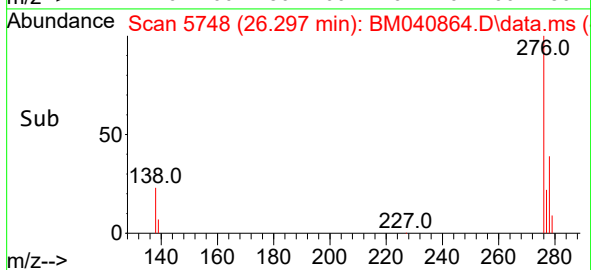
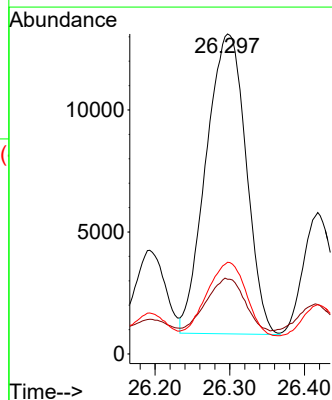
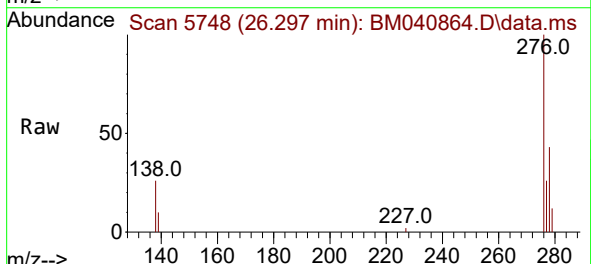
Instrument :
 BNA_M
 ClientSampleId :
 A4643

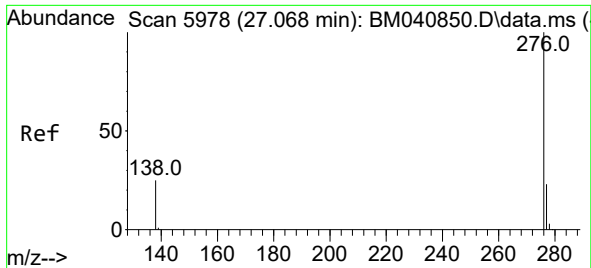
Tgt Ion:276 Resp: 104931
 Ion Ratio Lower Upper
 276 100
 138 24.8 24.5 36.7
 227 0.5 0.1 0.1#



#28
 Dibenzo(a,h)anthracene
 Concen: 0.962 ng/ul
 RT: 26.297 min Scan# 5748
 Delta R.T. -0.030 min
 Lab File: BM040864.D
 Acq: 14 Jul 2023 00:19

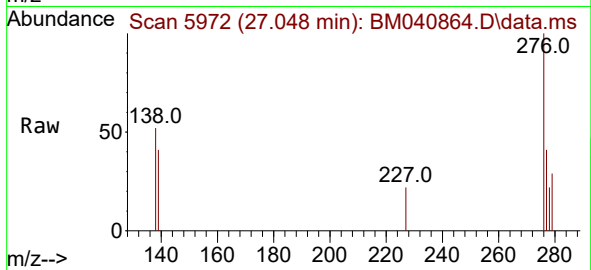
Tgt Ion:278 Resp: 45677
 Ion Ratio Lower Upper
 278 100
 139 23.4 17.9 26.9
 279 28.7 22.0 33.0





#29
 Benzo(g,h,i)perylene
 Concen: 0.112 ng/ul
 RT: 27.048 min Scan# 5974
 Delta R.T. -0.020 min
 Lab File: BM040864.D
 Acq: 14 Jul 2023 00:19

Instrument :
 BNA_M
 ClientSampleId :
 A4643



Tgt Ion:276 Resp: 5974
 Ion Ratio Lower Upper
 276 100
 138 51.9 23.0 34.6#
 277 41.2 20.3 30.5#

