

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070123\
 Data File : BM040504.D
 Acq On : 01 Jul 2023 15:31
 Operator : MA/JU
 Sample : 03161-14DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFX0DL

Quant Time: Jul 01 23:47:45 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 : Sat Jul 01 03:00:05 2023
 Response via : Initial Calibration

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

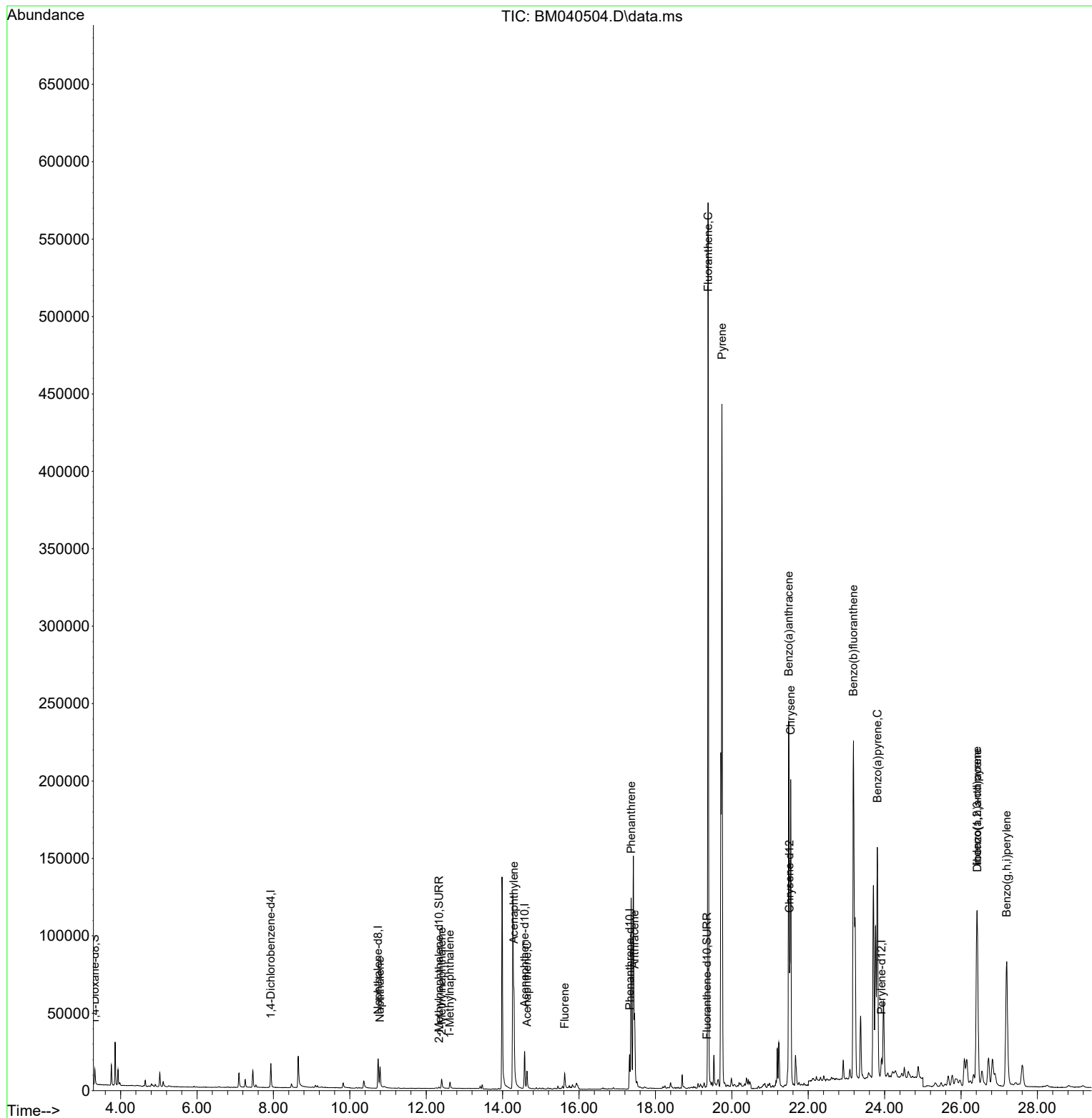
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.932	152	8518	0.400	ng/ul	0.00
4) Naphthalene-d8	10.740	136	30813	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.577	164	14566	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.324	188	28856	0.400	ng/ul	0.00
17) Chrysene-d12	21.506	240	17475	0.400	ng/ul	0.00
23) Perylene-d12	23.918	264	18211	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.325	96	6291	0.470	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.334	152	1522	0.035	ng/ul	0.00
18) Fluoranthene-d10	19.347	212	2271	0.041	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.789	128	21281	0.250	ng/ul	99
7) 2-Methylnaphthalene	12.406	142	5614	0.112	ng/ul	99
8) 1-Methylnaphthalene	12.620	142	3261	0.065	ng/ul	100
10) Acenaphthylene	14.295	152	71783	1.103	ng/ul	100
11) Acenaphthene	14.637	153	7037	0.128	ng/ul	98
12) Fluorene	15.623	166	7481	0.128	ng/ul#	97
15) Phenanthrene	17.366	178	151698	1.692	ng/ul	98
16) Anthracene	17.455	178	50552	0.671	ng/ul	99
19) Fluoranthene	19.380	202	505198	6.806	ng/ul	94
20) Pyrene	19.742	202	388470	4.881	ng/ul	97
21) Benzo(a)anthracene	21.489	228	208802	3.532	ng/ul	97
22) Chrysene	21.541	228	210823	3.127	ng/ul	99
24) Benzo(b)fluoranthene	23.184	252	377725	5.360	ng/ul	88
26) Benzo(a)pyrene	23.809	252	227842	3.589	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	26.420	276	208144	2.354	ng/ul#	87
28) Dibenzo(a,h)anthracene	26.424	278	48630	0.703	ng/ul	96
29) Benzo(g,h,i)perylene	27.195	276	187902	2.425	ng/ul	95

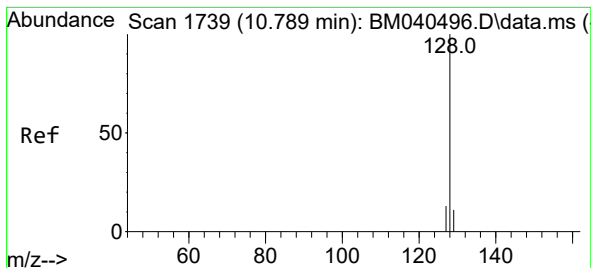
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.250 ng/ul

RT: 10.789 min Scan# 1

Delta R.T. -0.005 min

Lab File: BM040504.D

Acq: 01 Jul 2023 15:31

Instrument :

BNA_M

ClientSampleId :

DCFX0DL

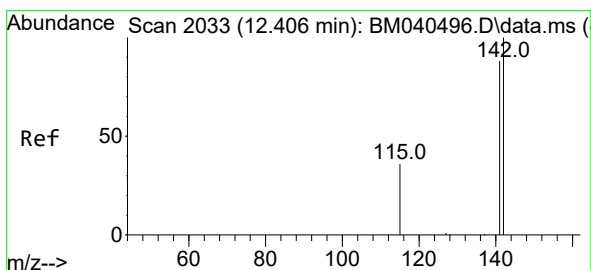
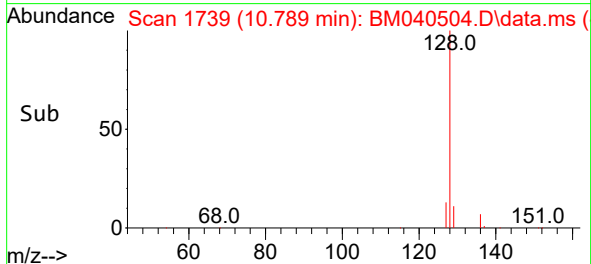
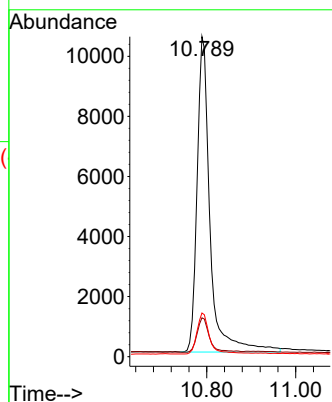
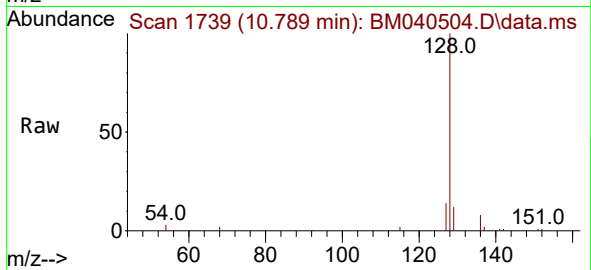
Tgt Ion:128 Resp: 21281

Ion Ratio Lower Upper

128 100

129 12.1 9.2 13.8

127 13.6 10.6 15.8



#7

2-Methylnaphthalene

Concen: 0.112 ng/ul

RT: 12.406 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BM040504.D

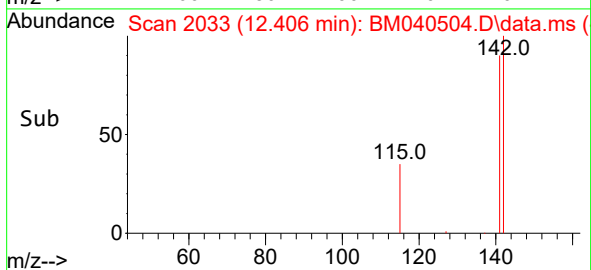
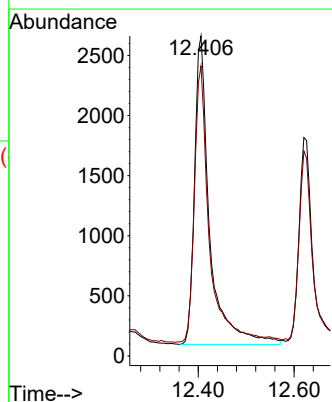
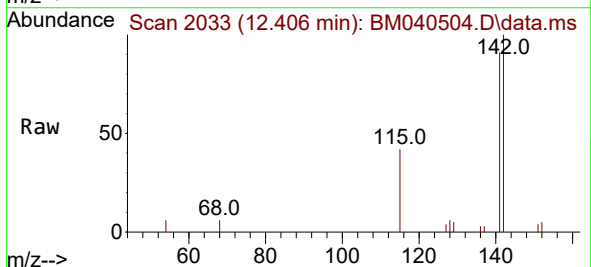
Acq: 01 Jul 2023 15:31

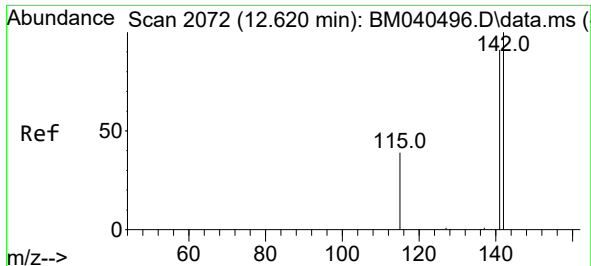
Tgt Ion:142 Resp: 5614

Ion Ratio Lower Upper

142 100

141 89.2 71.9 107.9

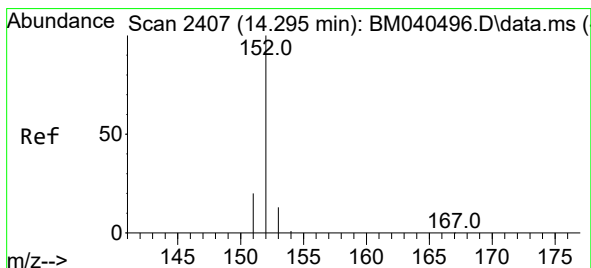
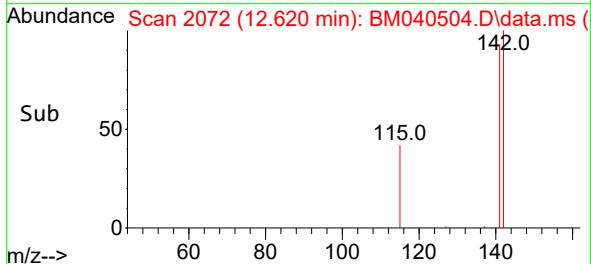
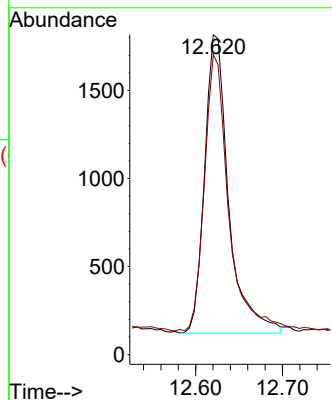
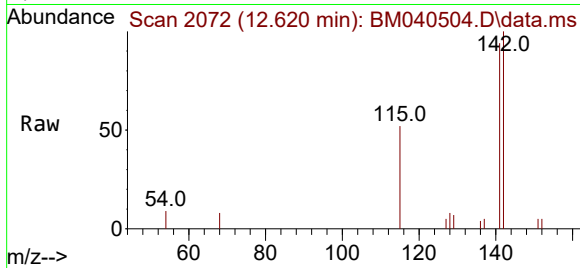




#8
1-Methylnaphthalene
Concen: 0.065 ng/ul
RT: 12.620 min Scan# 2072
Delta R.T. -0.005 min
Lab File: BM040504.D
Acq: 01 Jul 2023 15:31

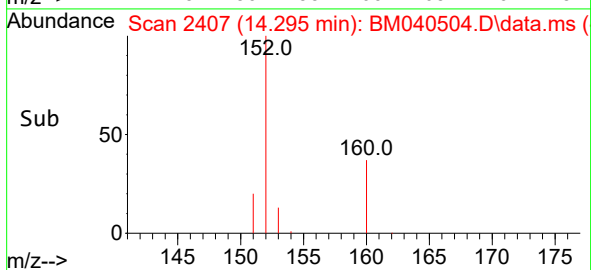
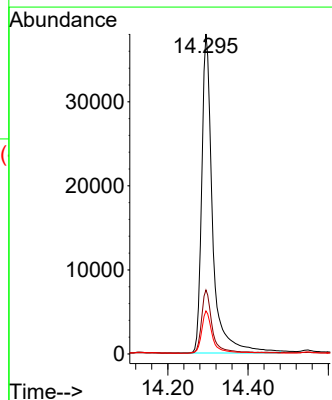
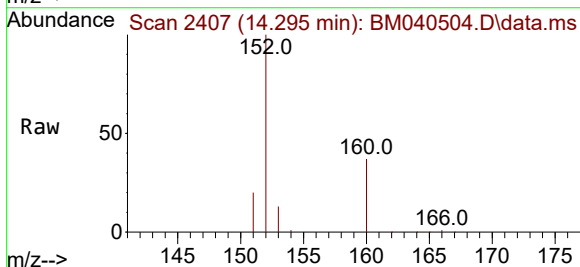
Instrument :
BNA_M
ClientSampleId :
DCFX0DL

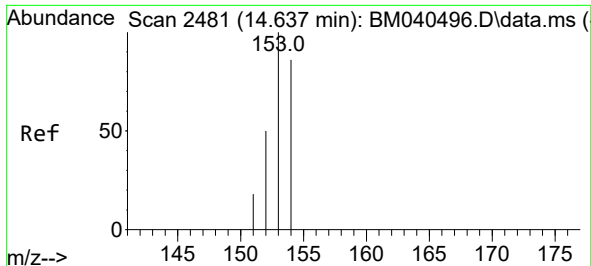
Tgt Ion:142 Resp: 3261
Ion Ratio Lower Upper
142 100
141 92.2 73.7 110.5



#10
Acenaphthylene
Concen: 1.103 ng/ul
RT: 14.295 min Scan# 2407
Delta R.T. -0.004 min
Lab File: BM040504.D
Acq: 01 Jul 2023 15:31

Tgt Ion:152 Resp: 71783
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.2
153 13.4 10.9 16.3

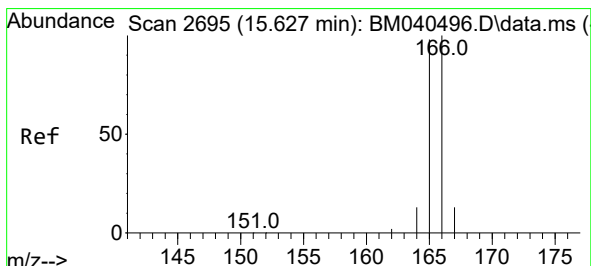
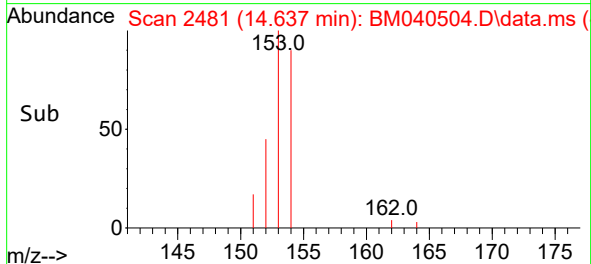
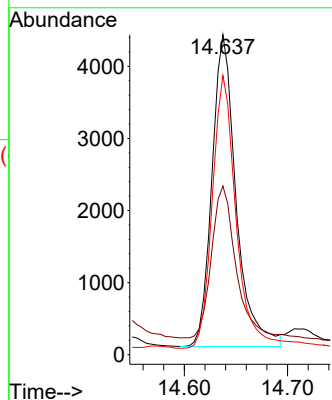
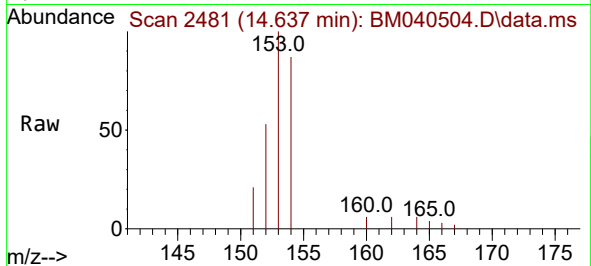




#11
Acenaphthene
Concen: 0.128 ng/ul
RT: 14.637 min Scan# 2481
Delta R.T. -0.004 min
Lab File: BM040504.D
Acq: 01 Jul 2023 15:31

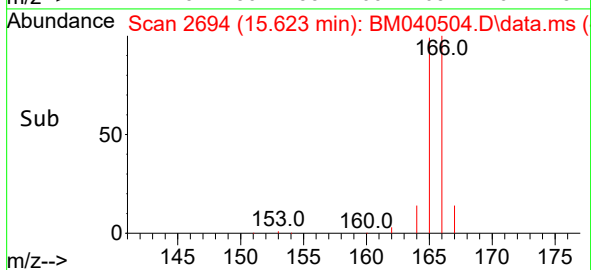
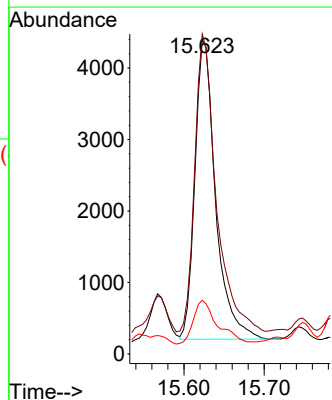
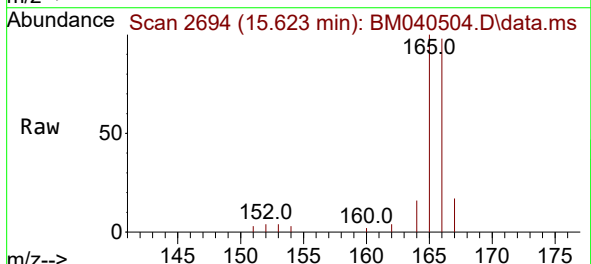
Instrument :
BNA_M
ClientSampleId :
DCFX0DL

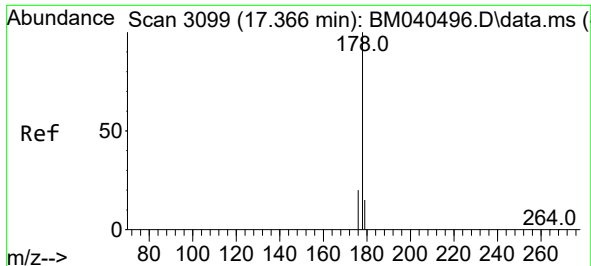
Tgt Ion:153 Resp: 7037
Ion Ratio Lower Upper
153 100
152 52.7 41.0 61.4
154 87.3 70.8 106.2



#12
Fluorene
Concen: 0.128 ng/ul
RT: 15.623 min Scan# 2694
Delta R.T. -0.009 min
Lab File: BM040504.D
Acq: 01 Jul 2023 15:31

Tgt Ion:166 Resp: 7481
Ion Ratio Lower Upper
166 100
165 101.9 79.6 119.4
167 17.1 11.4 17.0#

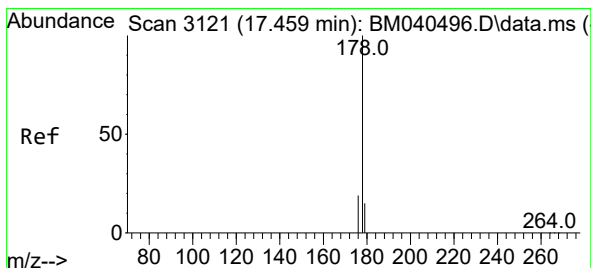
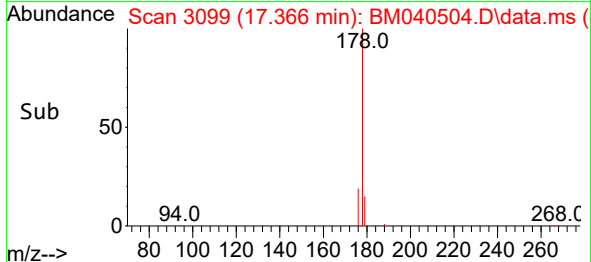
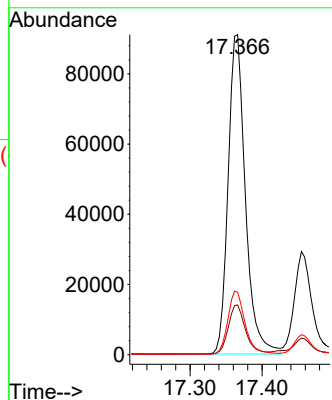
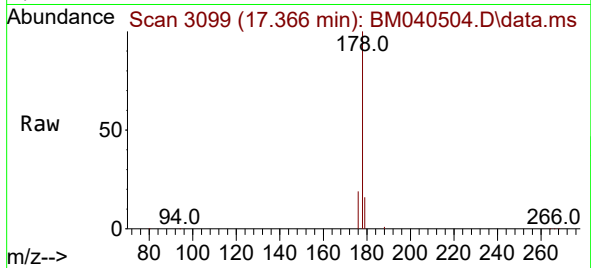




#15
Phenanthrene
Concen: 1.692 ng/ul
RT: 17.366 min Scan# 3099
Delta R.T. -0.004 min
Lab File: BM040504.D
Acq: 01 Jul 2023 15:31

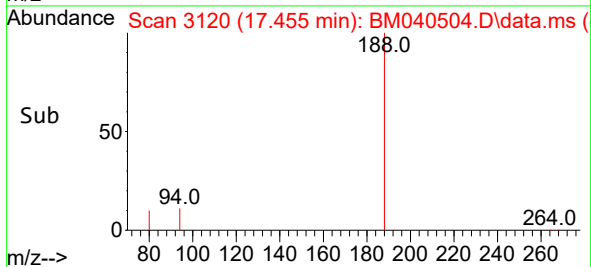
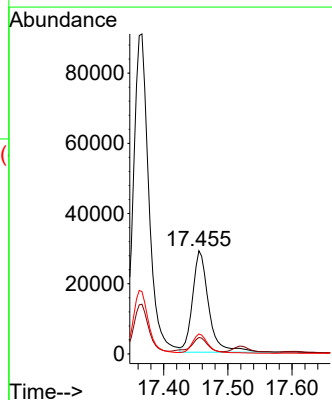
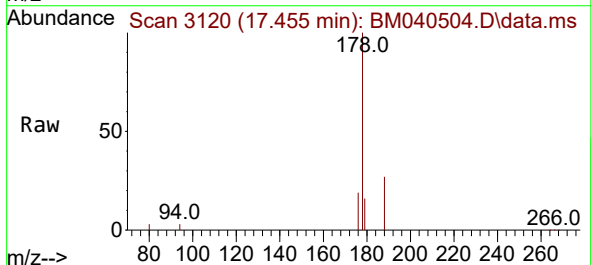
Instrument :
BNA_M
ClientSampleId :
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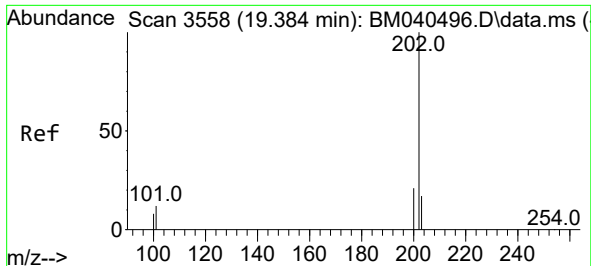
Tgt Ion:178 Resp: 151698
Ion Ratio Lower Upper
178 100
179 15.5 12.8 19.2
176 19.5 16.4 24.6



#16
Anthracene
Concen: 0.671 ng/ul
RT: 17.455 min Scan# 3120
Delta R.T. -0.008 min
Lab File: BM040504.D
Acq: 01 Jul 2023 15:31

Tgt Ion:178 Resp: 50552
Ion Ratio Lower Upper
178 100
179 15.9 12.9 19.3
176 19.4 15.8 23.6

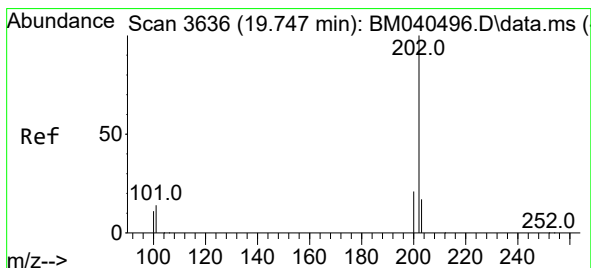
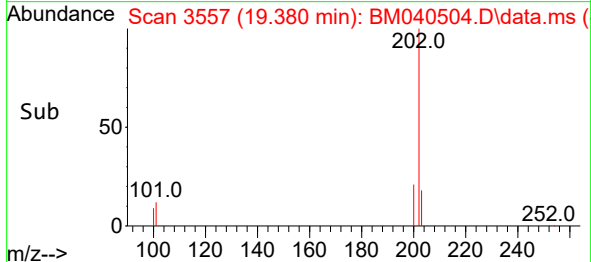
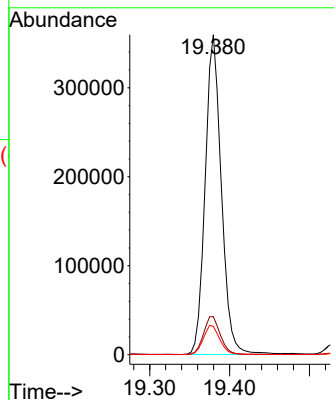
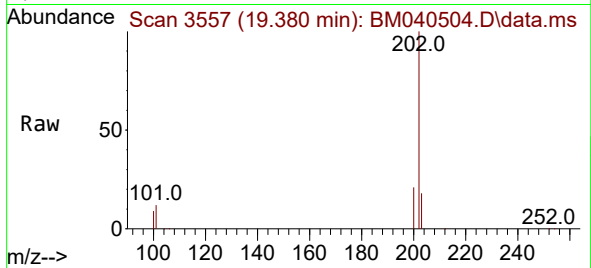




#19
Fluoranthene
Concen: 6.806 ng/ul
RT: 19.380 min Scan# 3558
Delta R.T. -0.004 min
Lab File: BM040504.D
Acq: 01 Jul 2023 15:31

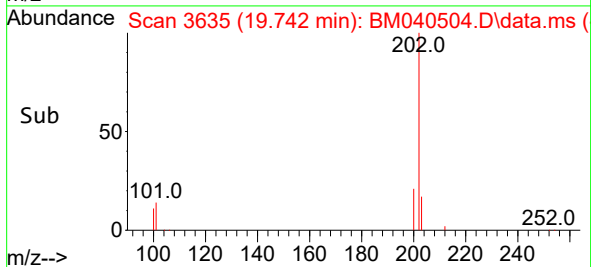
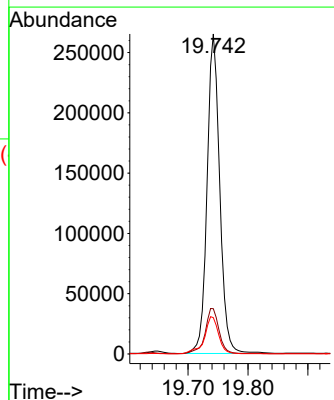
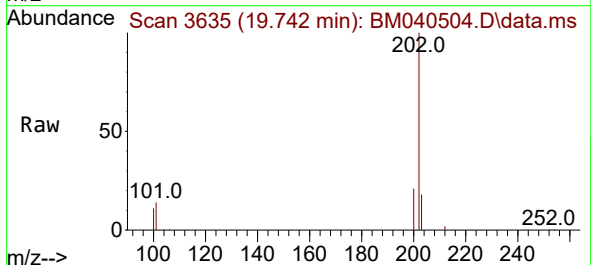
Instrument :
BNA_M
ClientSampleId :
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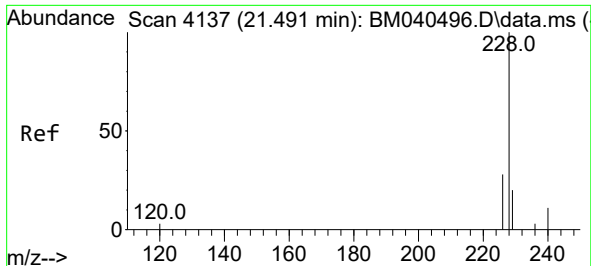
Tgt Ion:202 Resp: 505198
Ion Ratio Lower Upper
202 100
101 11.9 11.4 17.0
100 8.8 8.7 13.1



#20
Pyrene
Concen: 4.881 ng/ul
RT: 19.742 min Scan# 3635
Delta R.T. -0.004 min
Lab File: BM040504.D
Acq: 01 Jul 2023 15:31

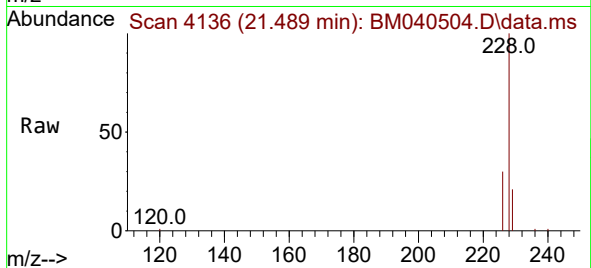
Tgt Ion:202 Resp: 388470
Ion Ratio Lower Upper
202 100
101 14.2 12.6 18.8
100 11.3 9.8 14.6



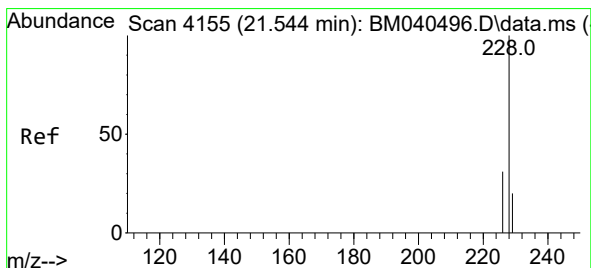
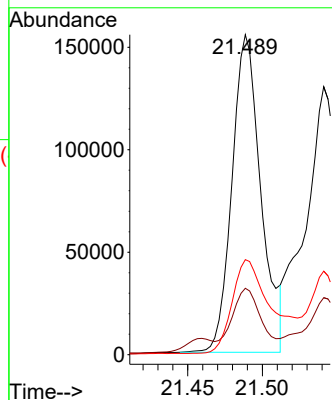
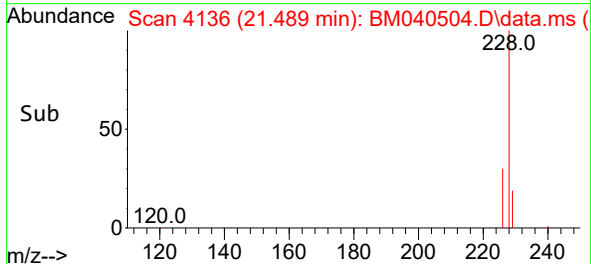


#21
Benzo(a)anthracene
Concen: 3.532 ng/ul
RT: 21.489 min Scan# 4136
Delta R.T. -0.003 min
Lab File: BM040504.D
Acq: 01 Jul 2023 15:31

Instrument :
BNA_M
ClientSampleId :
DCFX0DL

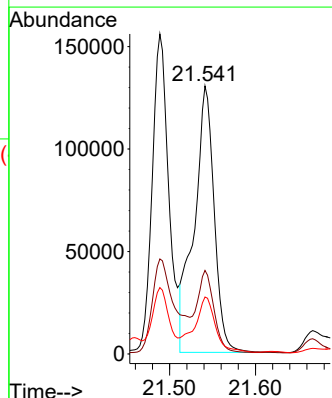
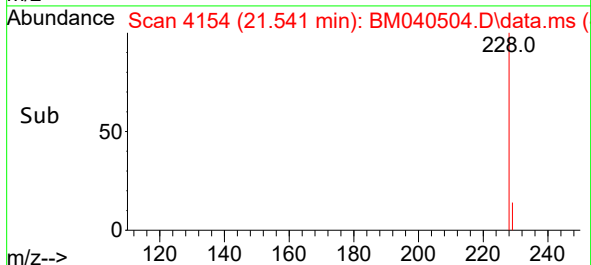
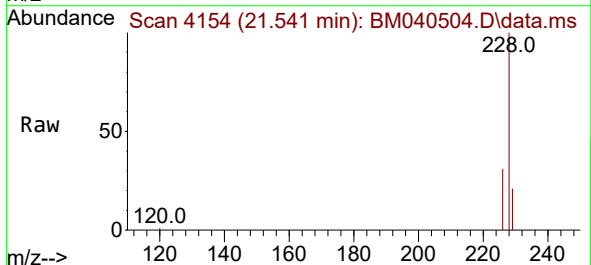


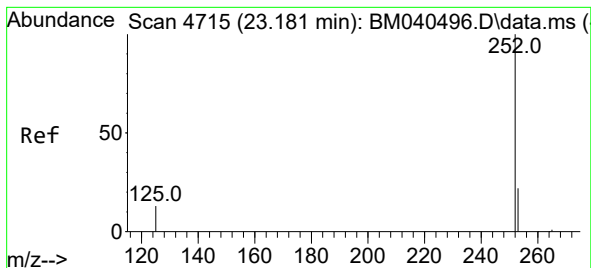
Tgt Ion:228 Resp: 208802
Ion Ratio Lower Upper
228 100
229 20.7 16.0 24.0
226 29.7 22.3 33.5



#22
Chrysene
Concen: 3.127 ng/ul
RT: 21.541 min Scan# 4154
Delta R.T. -0.003 min
Lab File: BM040504.D
Acq: 01 Jul 2023 15:31

Tgt Ion:228 Resp: 210823
Ion Ratio Lower Upper
228 100
226 31.2 24.9 37.3
229 21.3 15.8 23.6





#24

Benzo(b)fluoranthene

Concen: 5.360 ng/ul

RT: 23.184 min Scan# 4715

Delta R.T. 0.003 min

Lab File: BM040504.D

Acq: 01 Jul 2023 15:31

Instrument :

BNA_M

ClientSampleId :

DCFX0DL

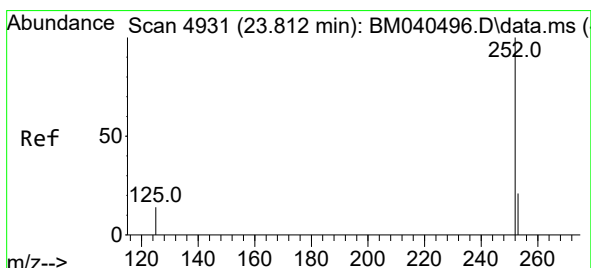
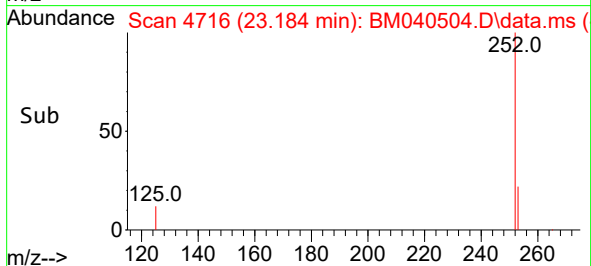
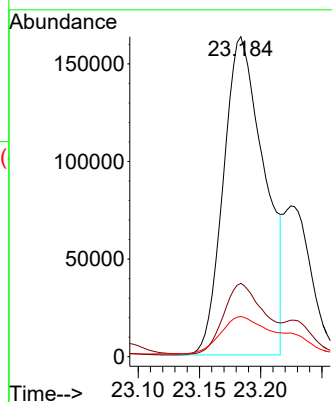
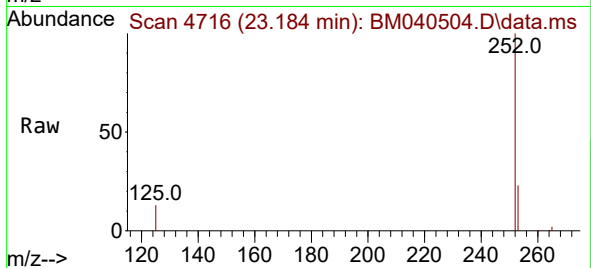
Tgt Ion:252 Resp: 377725

Ion Ratio Lower Upper

252 100

253 22.9 0.0 52.8

125 12.6 0.0 43.0



#26

Benzo(a)pyrene

Concen: 3.589 ng/ul

RT: 23.809 min Scan# 4930

Delta R.T. -0.003 min

Lab File: BM040504.D

Acq: 01 Jul 2023 15:31

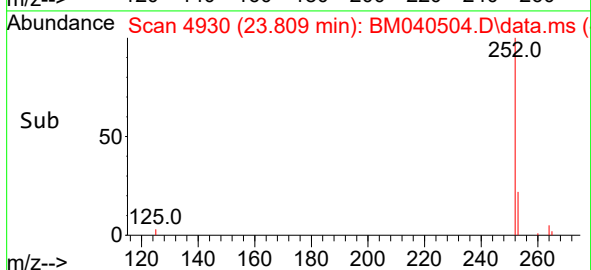
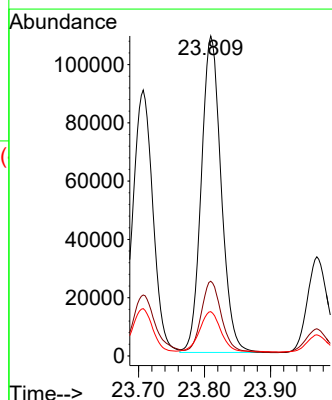
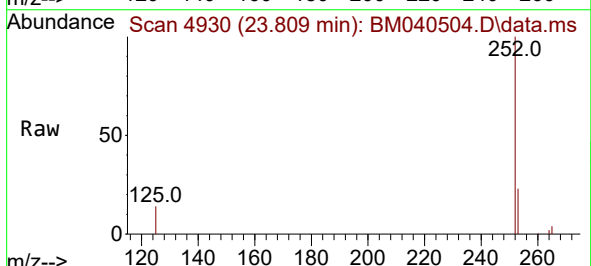
Tgt Ion:252 Resp: 227842

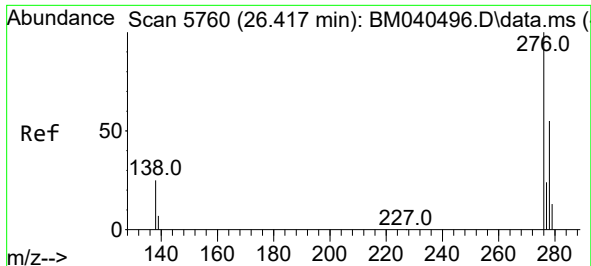
Ion Ratio Lower Upper

252 100

253 23.4 22.9 34.3

125 13.9 21.0 31.4#

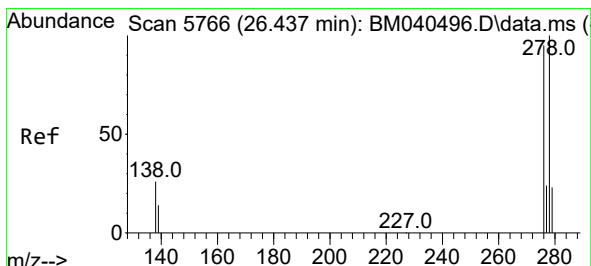
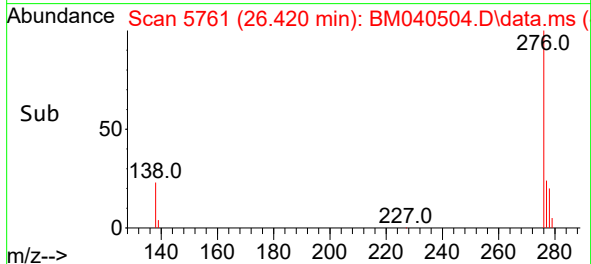
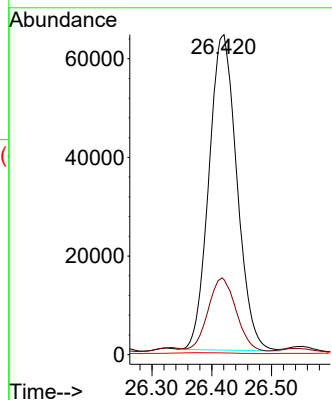
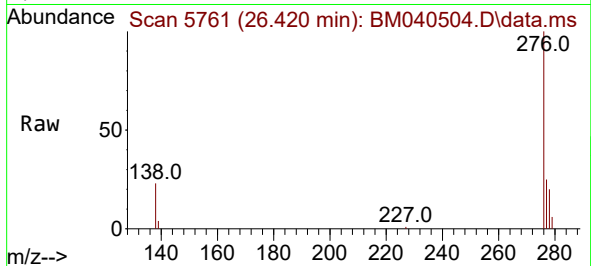




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 2.354 ng/ul
 RT: 26.420 min Scan# 5761
 Delta R.T. 0.000 min
 Lab File: BM040504.D
 Acq: 01 Jul 2023 15:31

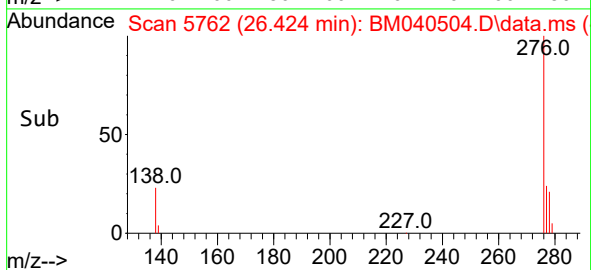
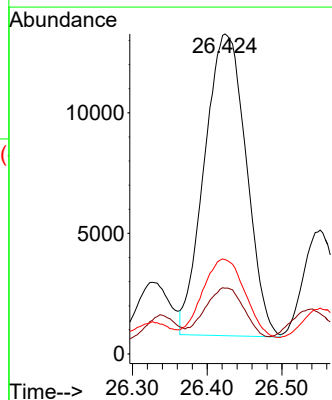
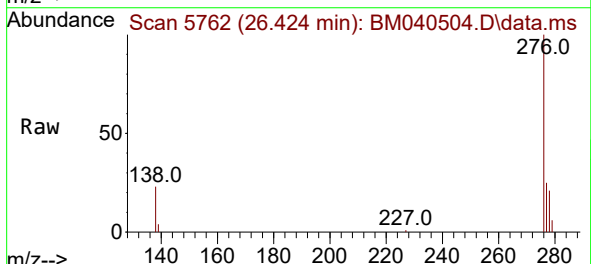
Instrument :
 BNA_M
 ClientSampleId :
 DCFX0DL

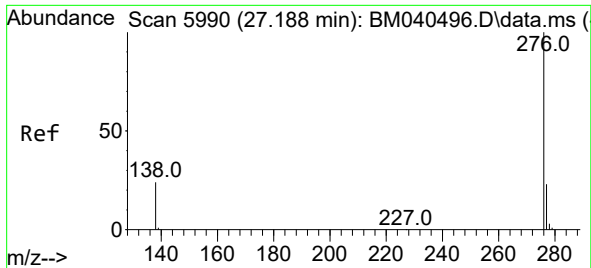
Tgt Ion:276 Resp: 208144
 Ion Ratio Lower Upper
 276 100
 138 23.6 24.5 36.7#
 227 0.0 0.1 0.1#



#28
 Dibenzo(a,h)anthracene
 Concen: 0.703 ng/ul
 RT: 26.424 min Scan# 5762
 Delta R.T. -0.013 min
 Lab File: BM040504.D
 Acq: 01 Jul 2023 15:31

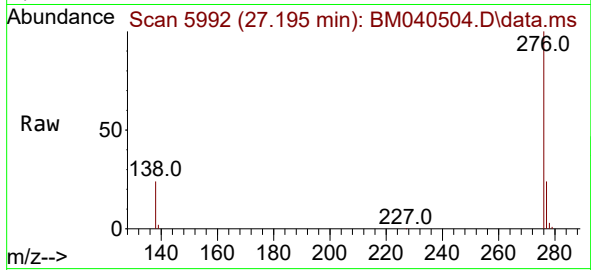
Tgt Ion:278 Resp: 48630
 Ion Ratio Lower Upper
 278 100
 139 20.6 17.9 26.9
 279 29.5 22.0 33.0





#29
 Benzo(g,h,i)perylene
 Concen: 2.425 ng/ul
 RT: 27.195 min Scan# 5992
 Delta R.T. 0.010 min
 Lab File: BM040504.D
 Acq: 01 Jul 2023 15:31

Instrument :
 BNA_M
 ClientSampleId :
 DCFX0DL



Tgt Ion:276 Resp: 187902
 Ion Ratio Lower Upper
 276 100
 138 24.4 23.0 34.6
 277 24.3 20.3 30.5

