

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070123\
 Data File : BM040508.D
 Acq On : 01 Jul 2023 18:00
 Operator : MA/JU
 Sample : 03161-19DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFX5DL

Quant Time: Jul 01 23:48:28 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)

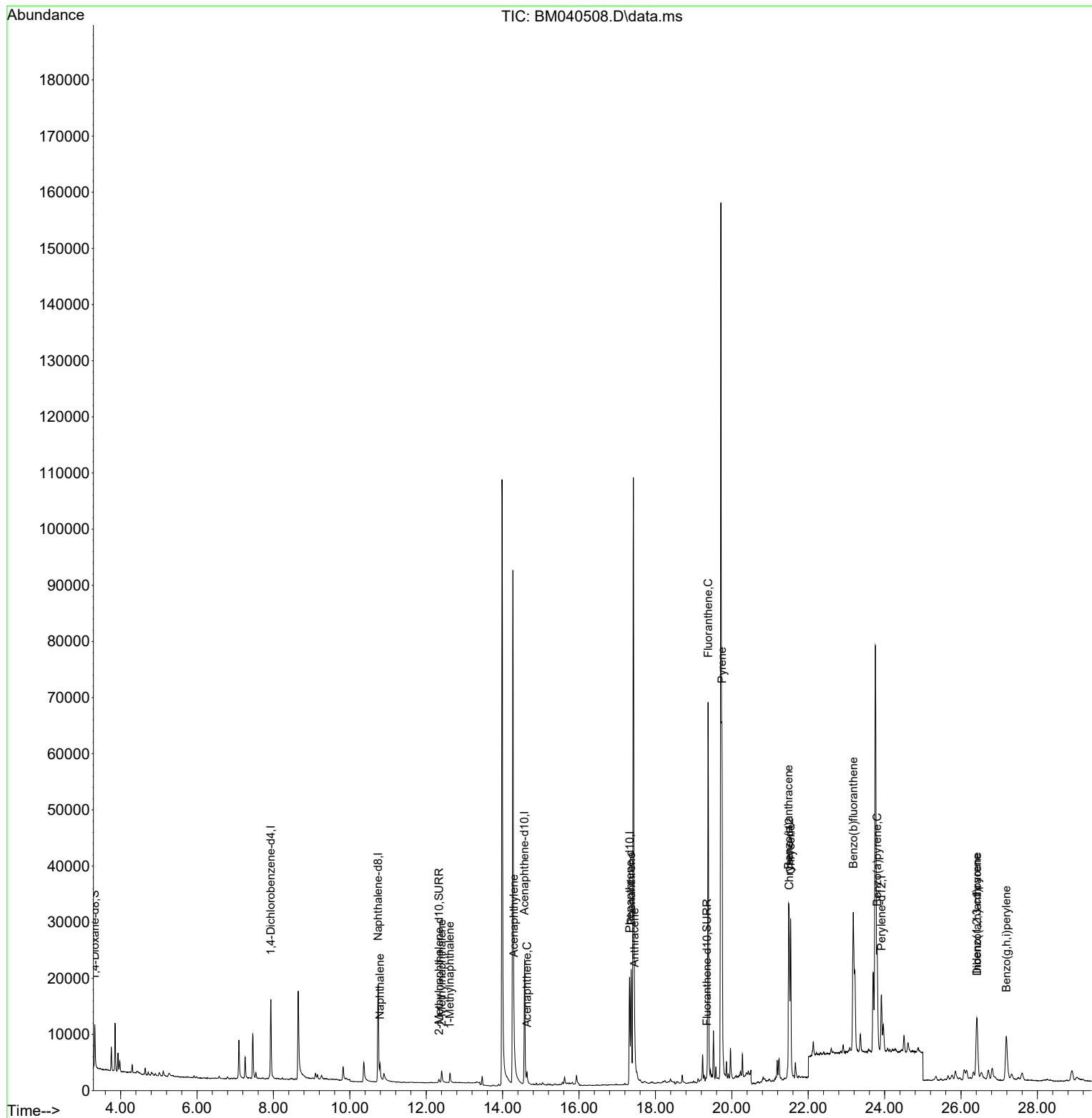
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.932	152	7846	0.400	ng/ul	0.00
4) Naphthalene-d8	10.740	136	28682	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.573	164	13822	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.324	188	26581	0.400	ng/ul	0.00
17) Chrysene-d12	21.503	240	16401	0.400	ng/ul	0.00
23) Perylene-d12	23.915	264	14501	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.325	96	4683	0.380	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.334	152	1140	0.028	ng/ul	0.00
18) Fluoranthene-d10	19.352	212	1780	0.034	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.789	128	3912	0.049	ng/ul#	88
7) 2-Methylnaphthalene	12.406	142	2200	0.047	ng/ul	100
8) 1-Methylnaphthalene	12.620	142	1410	0.030	ng/ul	97
10) Acenaphthylene	14.295	152	3017	0.049	ng/ul#	87
11) Acenaphthene	14.637	153	1132	0.022	ng/ul	94
15) Phenanthrene	17.366	178	25753	0.312	ng/ul	99
16) Anthracene	17.455	178	3341	0.048	ng/ul#	88
19) Fluoranthene	19.380	202	64627	0.928	ng/ul	96
20) Pyrene	19.742	202	51089	0.684	ng/ul	99
21) Benzo(a)anthracene	21.486	228	25524	0.460	ng/ul	96
22) Chrysene	21.538	228	32320	0.511	ng/ul	96
24) Benzo(b)fluoranthene	23.181	252	43932	0.783	ng/ul	99
26) Benzo(a)pyrene	23.806	252	25235	0.499	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	26.414	276	20421	0.290	ng/ul#	87
28) Dibenzo(a,h)anthracene	26.420	278	5089	0.092	ng/ul#	64
29) Benzo(g,h,i)perylene	27.185	276	19522	0.316	ng/ul	98

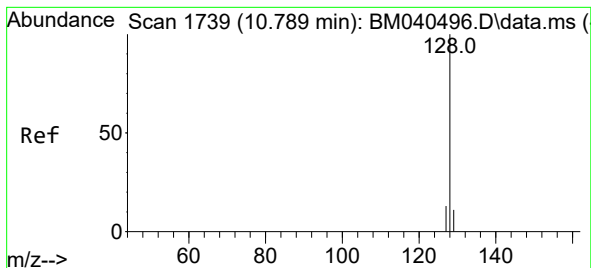
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.049 ng/ul

RT: 10.789 min Scan# 1

Delta R.T. -0.005 min

Lab File: BM040508.D

Acq: 01 Jul 2023 18:00

Instrument :

BNA_M

ClientSampleId :

DCFX5DL

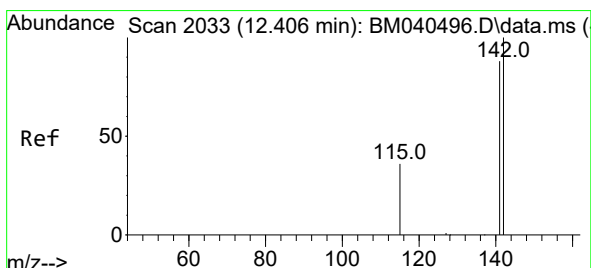
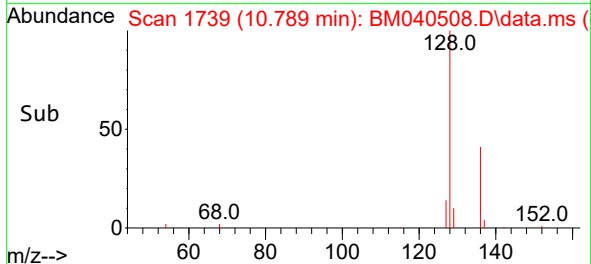
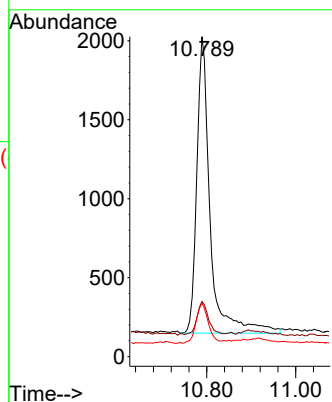
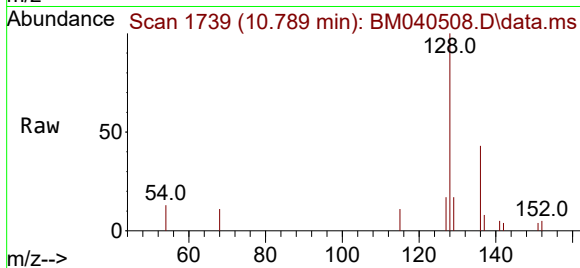
Tgt Ion:128 Resp: 3912

Ion Ratio Lower Upper

128 100

129 17.2 9.2 13.8#

127 16.7 10.6 15.8#



#7

2-Methylnaphthalene

Concen: 0.047 ng/ul

RT: 12.406 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BM040508.D

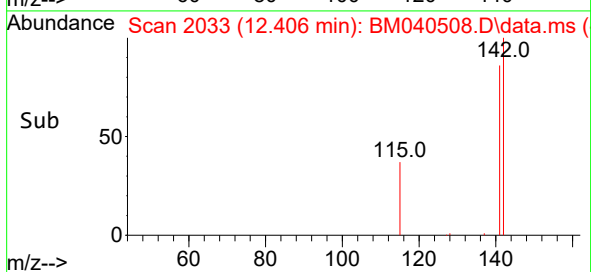
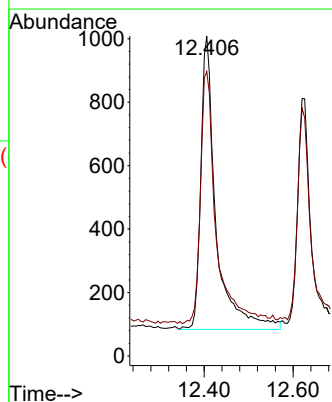
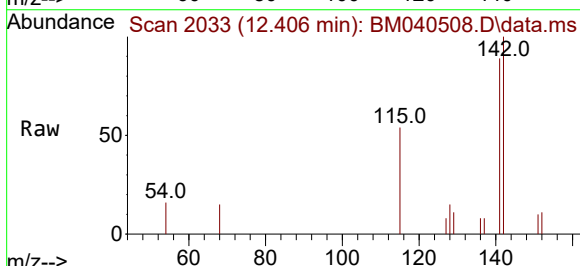
Acq: 01 Jul 2023 18:00

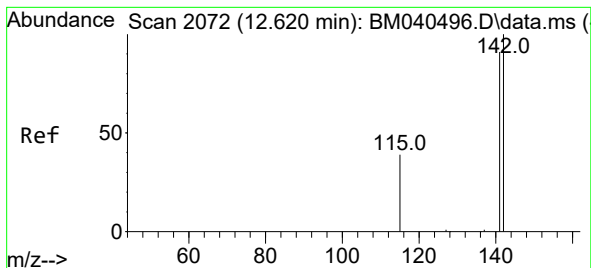
Tgt Ion:142 Resp: 2200

Ion Ratio Lower Upper

142 100

141 89.5 71.9 107.9





#8

1-Methylnaphthalene

Concen: 0.030 ng/ul

RT: 12.620 min Scan# 2072

Delta R.T. -0.005 min

Lab File: BM040508.D

Acq: 01 Jul 2023 18:00

Instrument :

BNA_M

ClientSampleId :

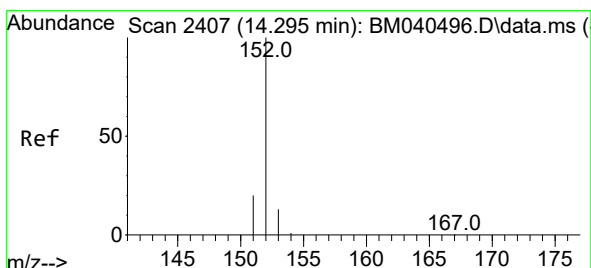
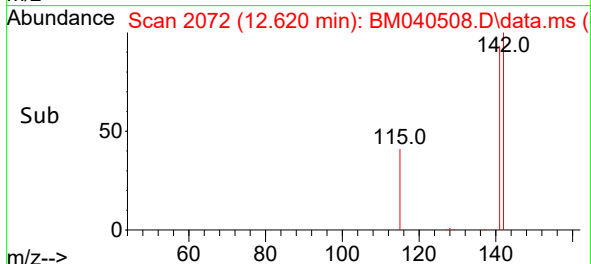
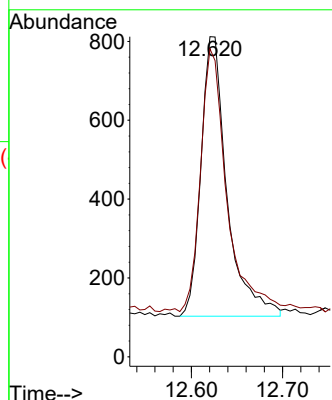
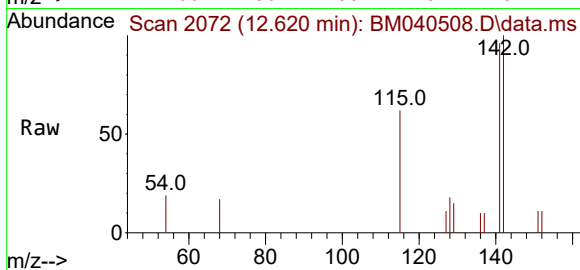
DCFX5DL

Tgt Ion:142 Resp: 1410

Ion Ratio Lower Upper

142 100

141 94.7 73.7 110.5



#10

Acenaphthylene

Concen: 0.049 ng/ul

RT: 14.295 min Scan# 2407

Delta R.T. -0.004 min

Lab File: BM040508.D

Acq: 01 Jul 2023 18:00

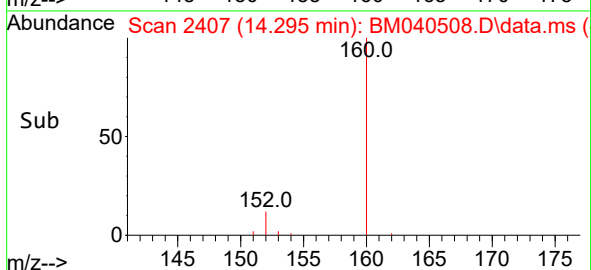
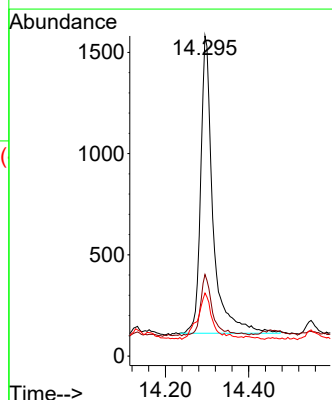
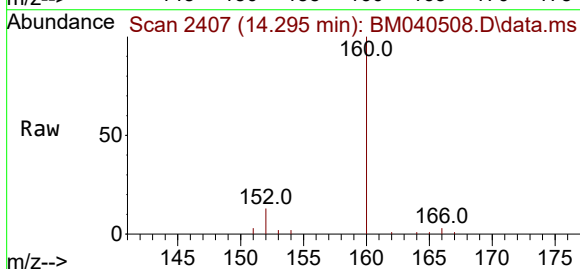
Tgt Ion:152 Resp: 3017

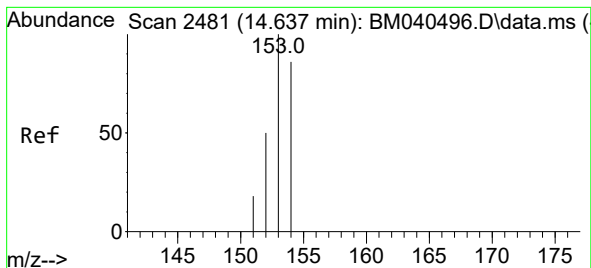
Ion Ratio Lower Upper

152 100

151 25.5 16.2 24.2#

153 19.7 10.9 16.3#





#11

Acenaphthene

Concen: 0.022 ng/ul

RT: 14.637 min Scan# 2481

Delta R.T. -0.004 min

Lab File: BM040508.D

Acq: 01 Jul 2023 18:00

Instrument :

BNA_M

ClientSampleId :

DCFX5DL

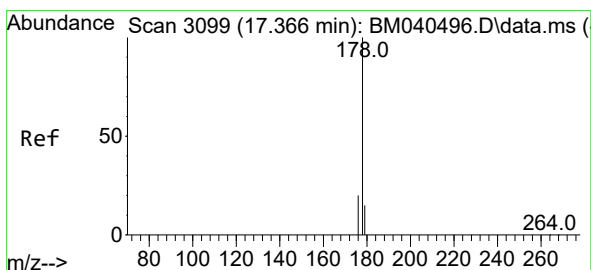
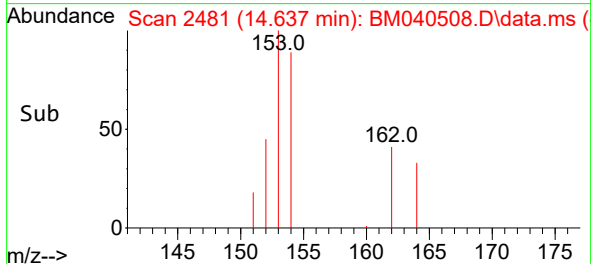
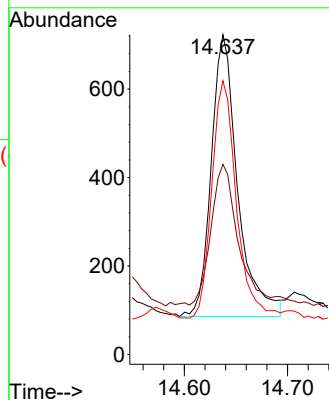
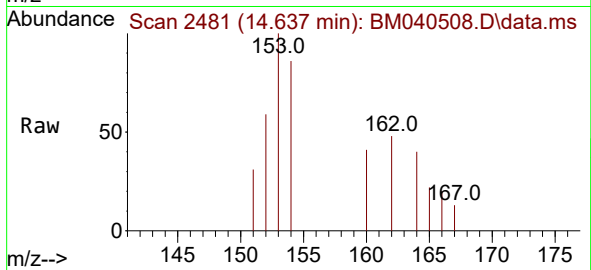
Tgt Ion:153 Resp: 1132

Ion Ratio Lower Upper

153 100

152 59.5 41.0 61.4

154 85.6 70.8 106.2



#15

Phenanthrene

Concen: 0.312 ng/ul

RT: 17.366 min Scan# 3099

Delta R.T. -0.004 min

Lab File: BM040508.D

Acq: 01 Jul 2023 18:00

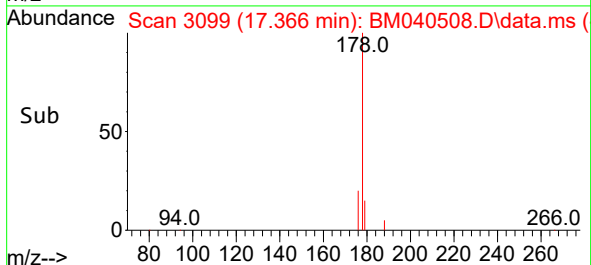
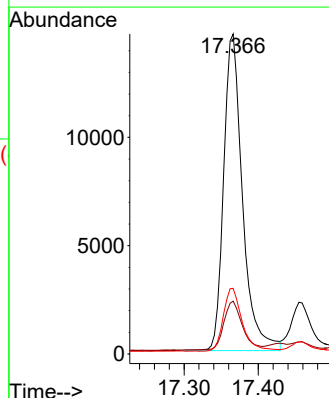
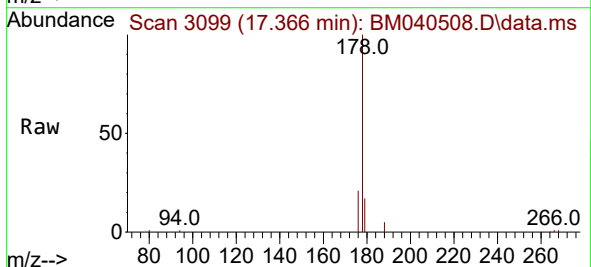
Tgt Ion:178 Resp: 25753

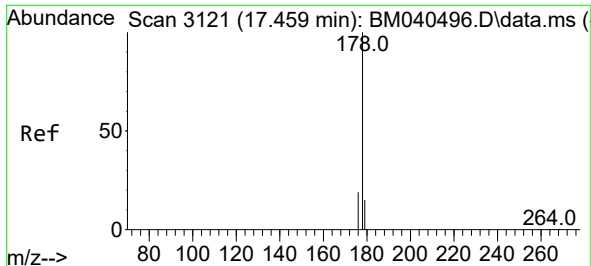
Ion Ratio Lower Upper

178 100

179 16.5 12.8 19.2

176 20.5 16.4 24.6

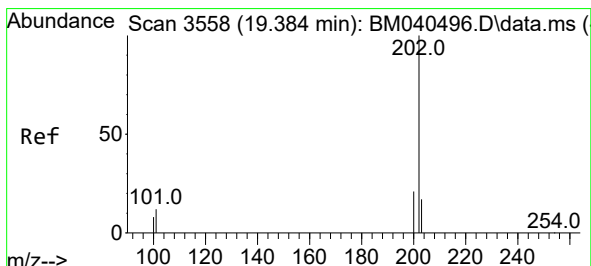
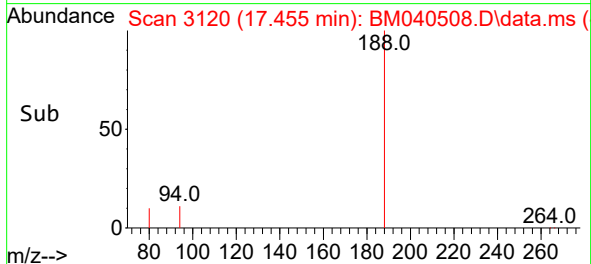
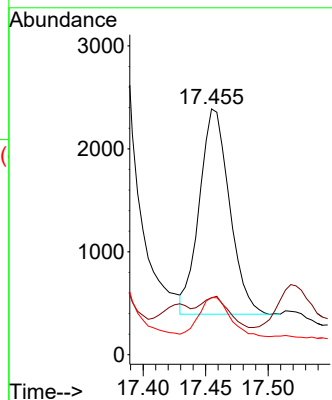
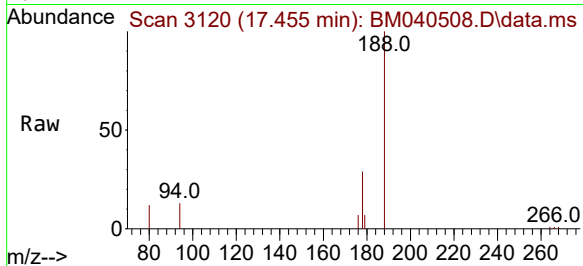




#16
 Anthracene
 Concen: 0.048 ng/ul
 RT: 17.455 min Scan# 3121
 Delta R.T. -0.008 min
 Lab File: BM040508.D
 Acq: 01 Jul 2023 18:00

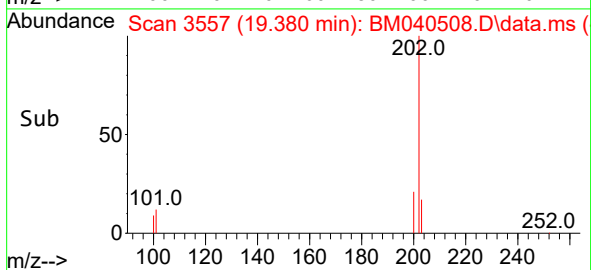
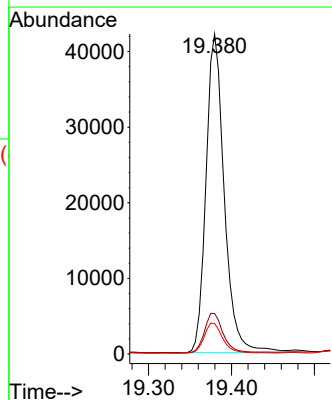
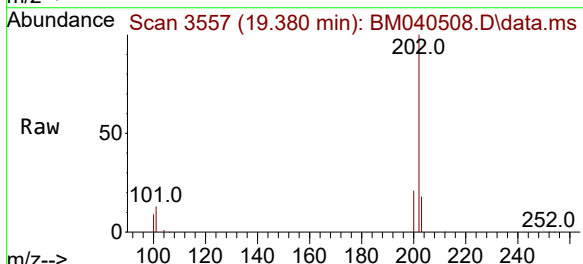
Instrument :
 BNA_M
 ClientSampleId :
 DCFX5DL

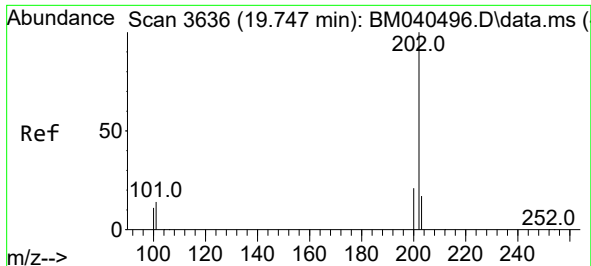
Tgt Ion:178	Resp:	3341
Ion Ratio	Lower	Upper
178	100	
179	23.2	12.9 19.3#
176	23.2	15.8 23.6



#19
 Fluoranthene
 Concen: 0.928 ng/ul
 RT: 19.380 min Scan# 3557
 Delta R.T. -0.004 min
 Lab File: BM040508.D
 Acq: 01 Jul 2023 18:00

Tgt Ion:202	Resp:	64627
Ion Ratio	Lower	Upper
202	100	
101	12.6	11.4 17.0
100	9.5	8.7 13.1

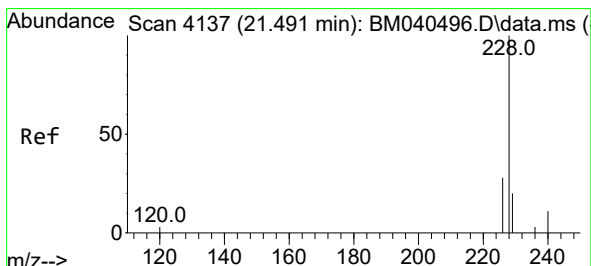
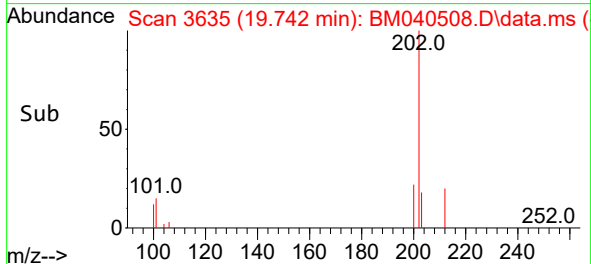
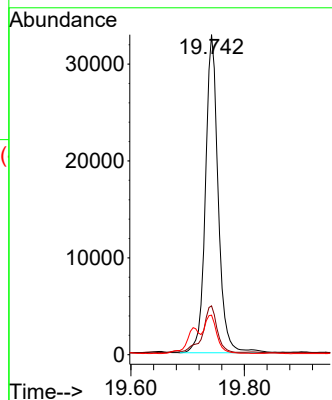
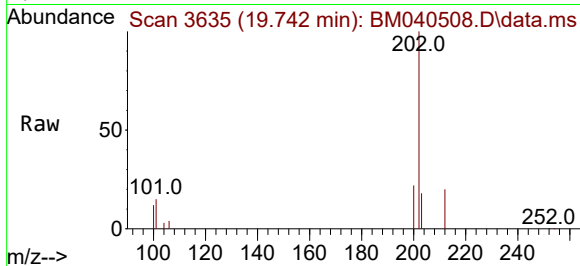




#20
Pyrene
Concen: 0.684 ng/ul
RT: 19.742 min Scan# 30
Delta R.T. -0.004 min
Lab File: BM040508.D
Acq: 01 Jul 2023 18:00

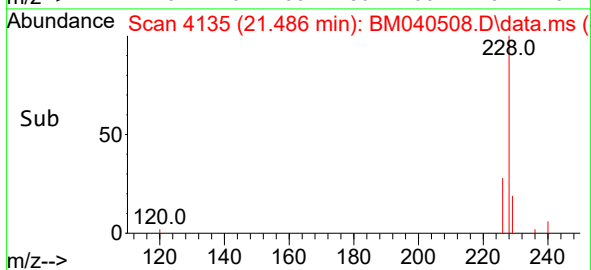
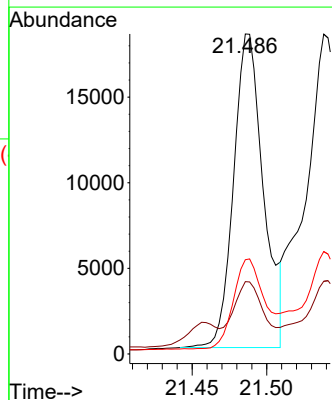
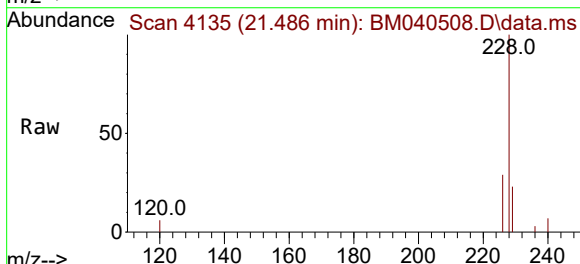
Instrument :
BNA_M
ClientSampleId :
DCFX5DL

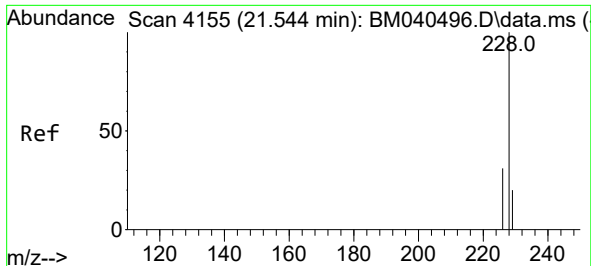
Tgt Ion:202 Resp: 51089
Ion Ratio Lower Upper
202 100
101 15.3 12.6 18.8
100 12.3 9.8 14.6



#21
Benzo(a)anthracene
Concen: 0.460 ng/ul
RT: 21.486 min Scan# 4135
Delta R.T. -0.006 min
Lab File: BM040508.D
Acq: 01 Jul 2023 18:00

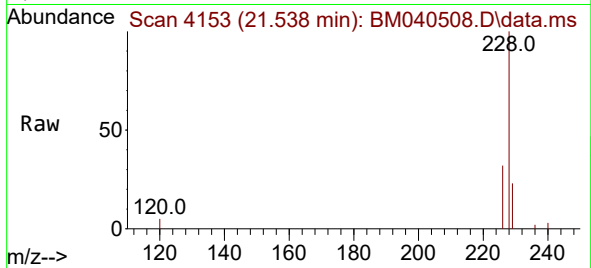
Tgt Ion:228 Resp: 25524
Ion Ratio Lower Upper
228 100
229 22.6 16.0 24.0
226 29.5 22.3 33.5



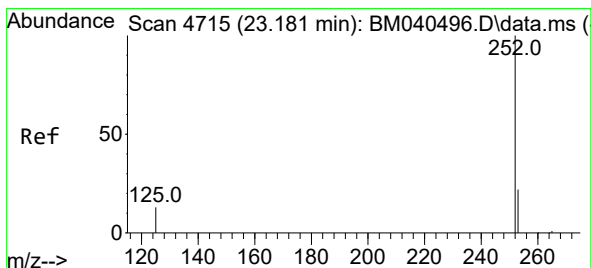
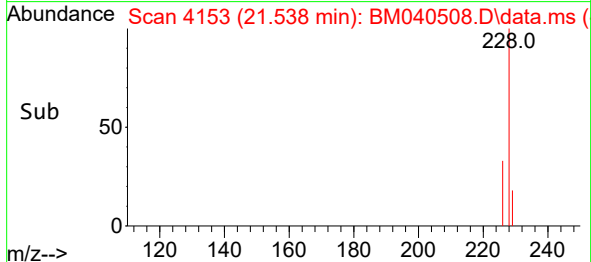
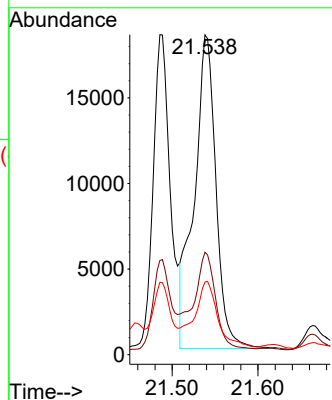


#22
Chrysene
Concen: 0.511 ng/ul
RT: 21.538 min Scan# 4153
Delta R.T. -0.006 min
Lab File: BM040508.D
Acq: 01 Jul 2023 18:00

Instrument :
BNA_M
ClientSampleId :
DCFX5DL

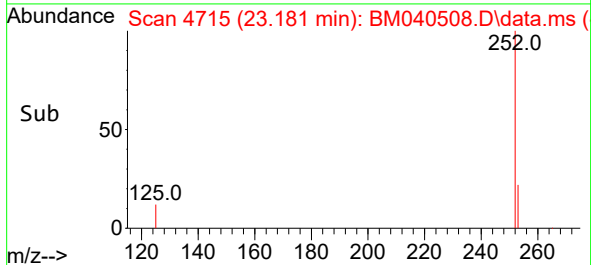
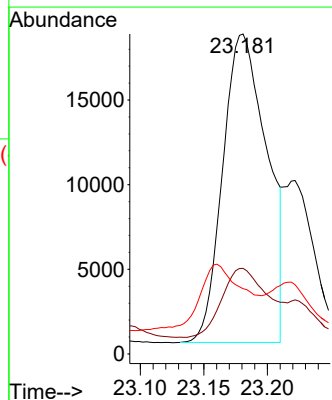
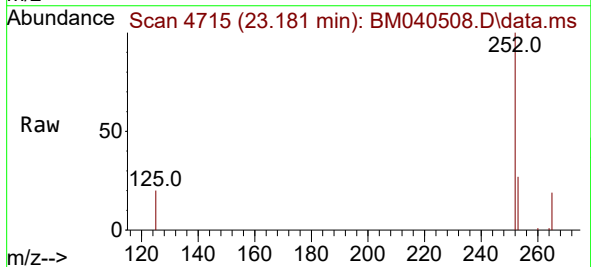


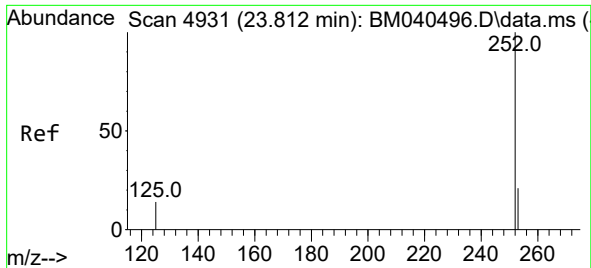
Tgt Ion:228 Resp: 32320
Ion Ratio Lower Upper
228 100
226 32.0 24.9 37.3
229 22.7 15.8 23.6



#24
Benzo(b)fluoranthene
Concen: 0.783 ng/ul
RT: 23.181 min Scan# 4715
Delta R.T. 0.000 min
Lab File: BM040508.D
Acq: 01 Jul 2023 18:00

Tgt Ion:252 Resp: 43932
Ion Ratio Lower Upper
252 100
253 26.7 0.0 52.8
125 20.4 0.0 43.0

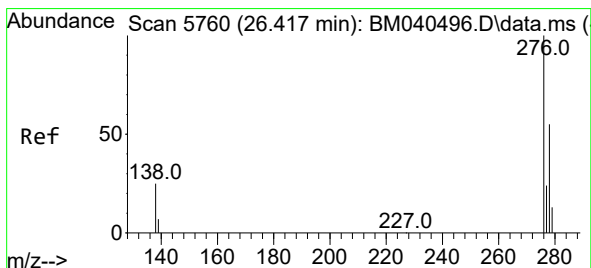
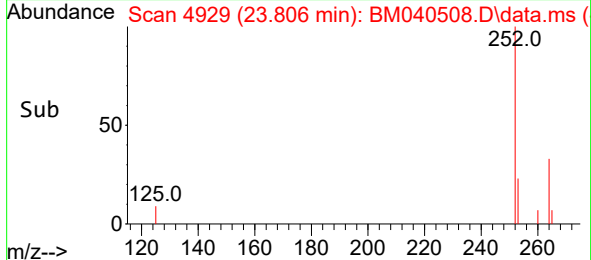
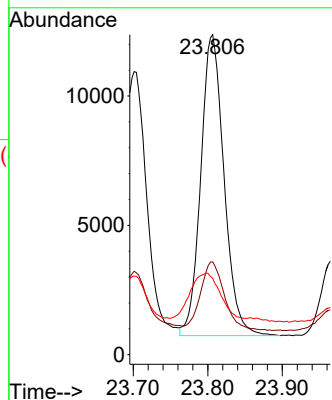
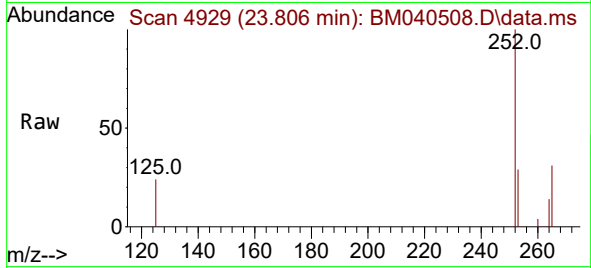




#26
Benzo(a)pyrene
Concen: 0.499 ng/ul
RT: 23.806 min Scan# 4931
Delta R.T. -0.006 min
Lab File: BM040508.D
Acq: 01 Jul 2023 18:00

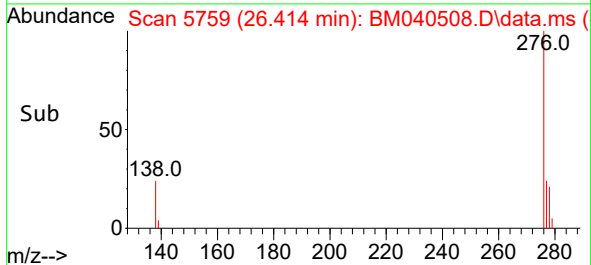
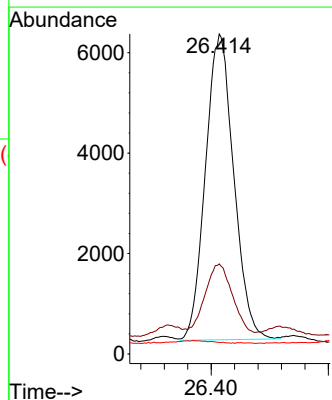
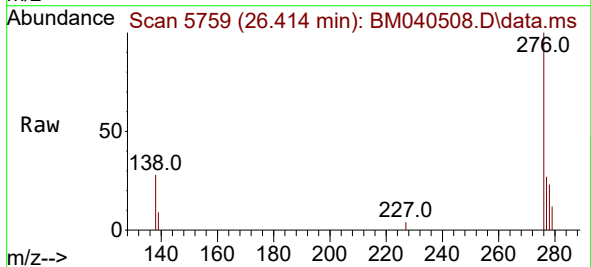
Instrument :
BNA_M
ClientSampleId :
DCFX5DL

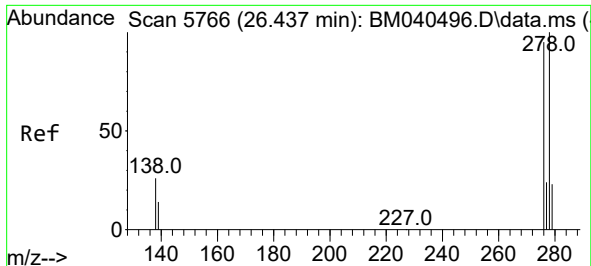
Tgt Ion:252	Resp:	25235
Ion Ratio	Lower	Upper
252	100	
253	29.0	22.9 34.3
125	23.9	21.0 31.4



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.290 ng/ul
RT: 26.414 min Scan# 5759
Delta R.T. -0.006 min
Lab File: BM040508.D
Acq: 01 Jul 2023 18:00

Tgt Ion:276	Resp:	20421
Ion Ratio	Lower	Upper
276	100	
138	23.4	24.5 36.7#
227	0.0	0.1 0.1#

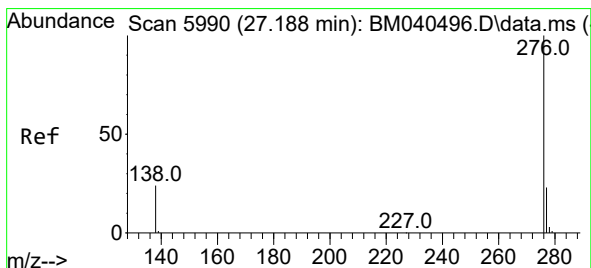
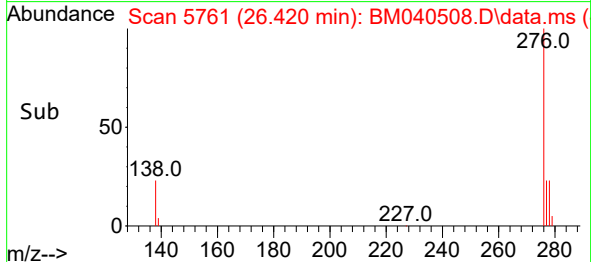
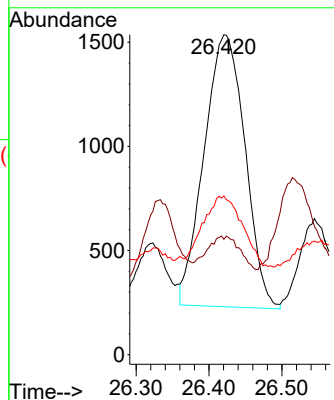
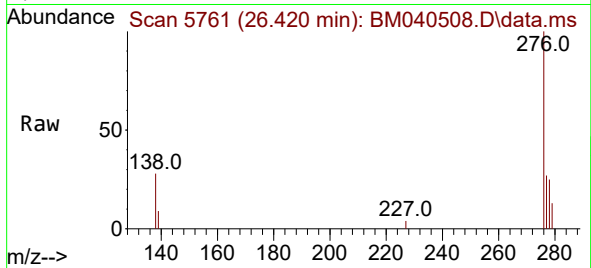




#28
Dibenzo(a,h)anthracene
Concen: 0.092 ng/ul
RT: 26.420 min Scan# 51
Delta R.T. -0.017 min
Lab File: BM040508.D
Acq: 01 Jul 2023 18:00

Instrument :
BNA_M
ClientSampleId :
DCFX5DL

Tgt Ion:278 Resp: 5089
Ion Ratio Lower Upper
278 100
139 36.1 17.9 26.9#
279 49.6 22.0 33.0#



#29
Benzo(g,h,i)perylene
Concen: 0.316 ng/ul
RT: 27.185 min Scan# 5989
Delta R.T. 0.000 min
Lab File: BM040508.D
Acq: 01 Jul 2023 18:00

Tgt Ion:276 Resp: 19522
Ion Ratio Lower Upper
276 100
138 29.1 23.0 34.6
277 27.1 20.3 30.5

