

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071023\
 Data File : BM040793.D
 Acq On : 10 Jul 2023 10:40
 Operator : MA/JU
 Sample : 03384-03MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 11 03:55:37 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 : Tue Jul 11 03:54:24 2023
 Response via : Initial Calibration

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

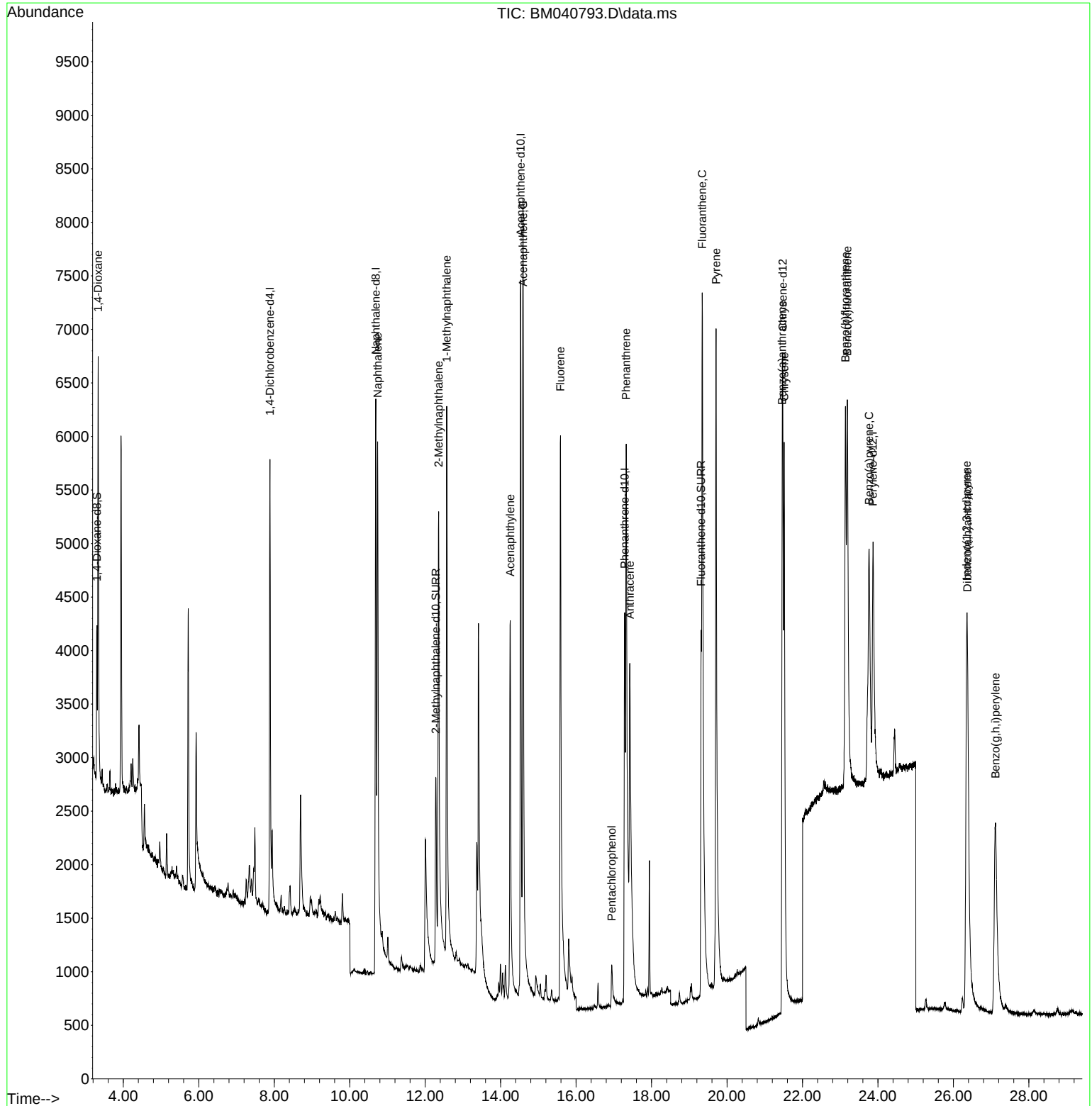
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.887	152	2634	0.400	ng/ul	0.00
4) Naphthalene-d8	10.691	136	10072	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.532	164	4669	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.286	188	7257	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.477	240	5081	0.400	ng/ul	0.00
23) Perylene-d12	23.868	264	4271	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.301	96	1022	0.247	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.280	152	3821	0.271	ng/ul	0.00
18) Fluoranthene-d10	19.315	212	6490	0.398	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.334	88	2551	0.606	ng/ul	94
5) Naphthalene	10.741	128	8512	0.306	ng/ul	97
7) 2-Methylnaphthalene	12.357	142	4555	0.279	ng/ul	95
8) 1-Methylnaphthalene	12.572	142	4469	0.274	ng/ul	97
10) Acenaphthylene	14.254	152	6198	0.297	ng/ul	95
11) Acenaphthene	14.592	153	5727	0.325	ng/ul	96
12) Fluorene	15.587	166	5879	0.313	ng/ul	98
14) Pentachlorophenol	16.944	266	530	0.379	ng/ul	91
15) Phenanthrene	17.329	178	7898	0.350	ng/ul	96
16) Anthracene	17.426	178	6996	0.369	ng/ul#	93
19) Fluoranthene	19.343	202	8299	0.385	ng/ul	97
20) Pyrene	19.710	202	8886	0.384	ng/ul	98
21) Benzo(a)anthracene	21.463	228	5754	0.335	ng/ul	98
22) Chrysene	21.515	228	6946	0.354	ng/ul	98
24) Benzo(b)fluoranthene	23.140	252	6203	0.375	ng/ul	89
25) Benzo(k)fluoranthene	23.187	252	6674	0.410	ng/ul#	86
26) Benzo(a)pyrene	23.766	252	5360	0.360	ng/ul#	77
27) Indeno(1,2,3-cd)pyrene	26.354	276	7432	0.358	ng/ul#	95
28) Dibenzo(a,h)anthracene	26.371	278	5849	0.360	ng/ul#	91
29) Benzo(g,h,i)perylene	27.115	276	6566	0.361	ng/ul	94

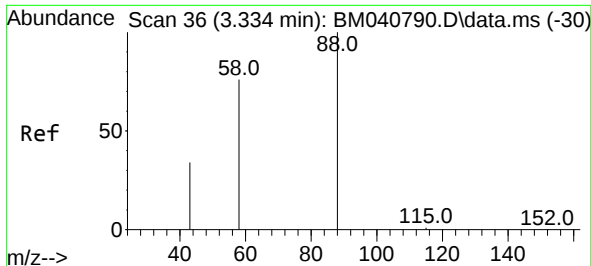
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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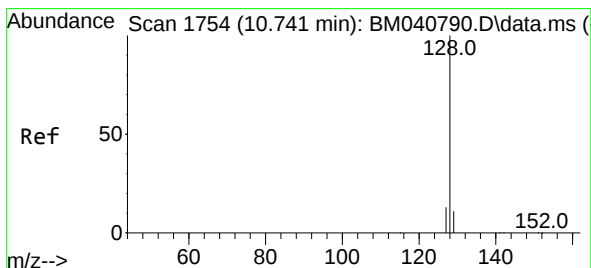
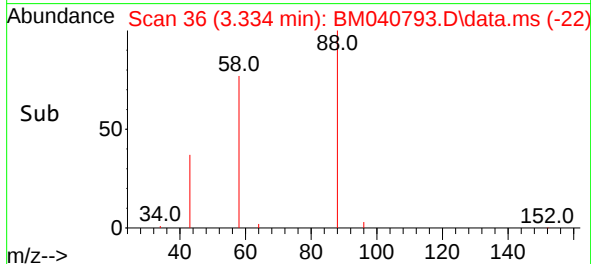
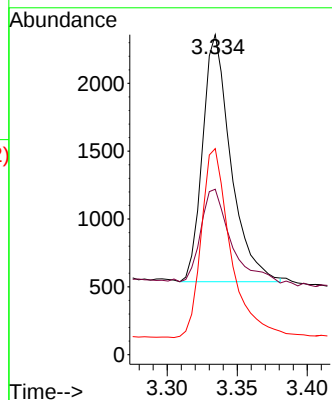
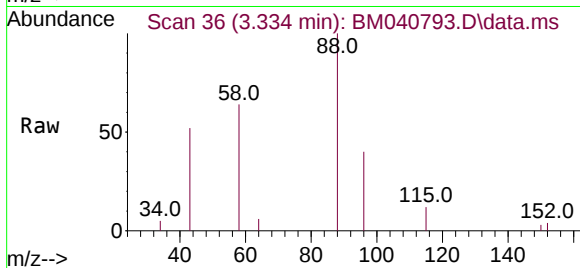




#2
1,4-Dioxane
Concen: 0.606 ng/ul
RT: 3.334 min Scan# 30
Delta R.T. 0.000 min
Lab File: BM040793.D
Acq: 10 Jul 2023 10:40

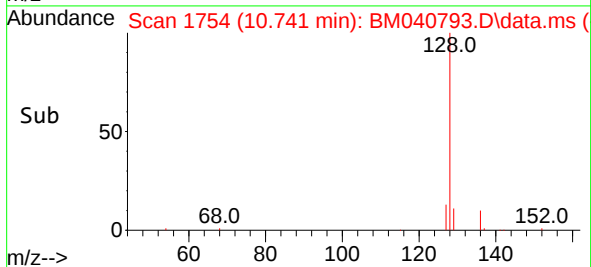
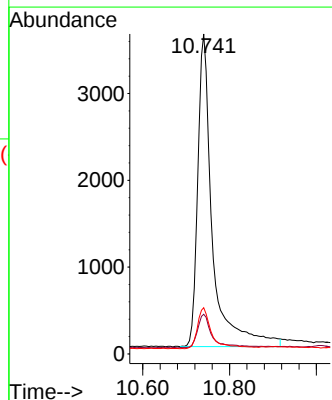
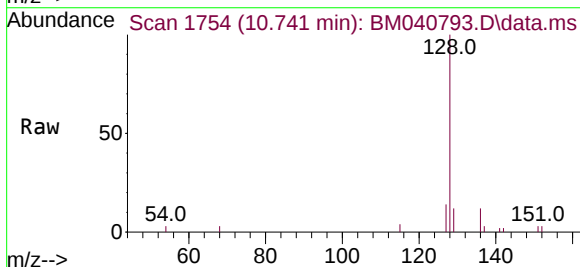
Instrument :
BNA_M
ClientSampleId :

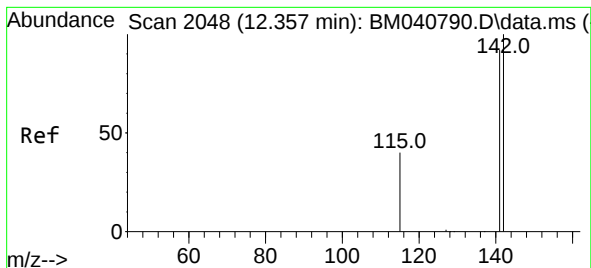
Tgt Ion: 88 Resp: 2551
Ion Ratio Lower Upper
88 100
43 51.7 36.1 54.1
58 64.4 49.8 74.8



#5
Naphthalene
Concen: 0.306 ng/ul
RT: 10.741 min Scan# 1754
Delta R.T. 0.000 min
Lab File: BM040793.D
Acq: 10 Jul 2023 10:40

Tgt Ion: 128 Resp: 8512
Ion Ratio Lower Upper
128 100
129 12.4 9.2 13.8
127 14.5 10.6 15.8

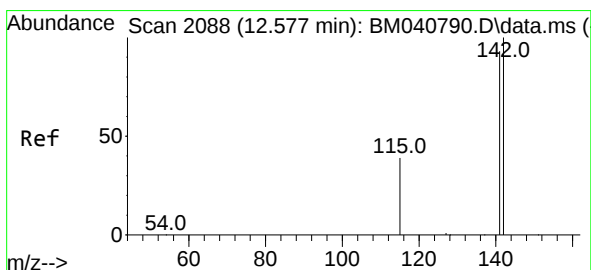
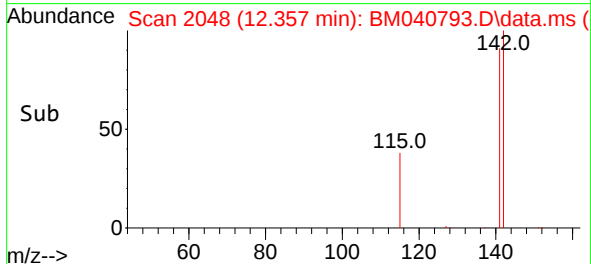
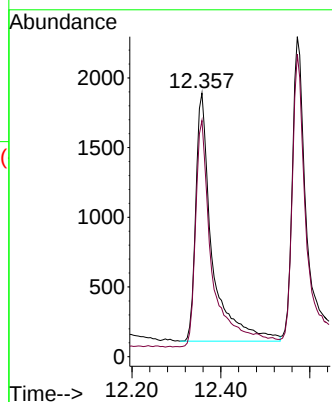
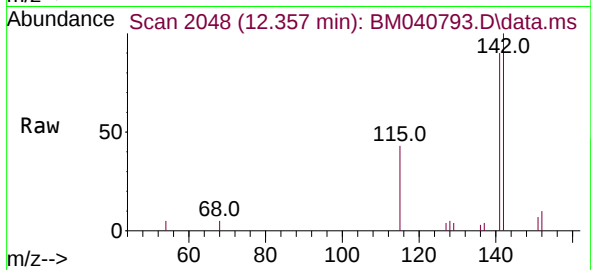




#7
2-Methylnaphthalene
Concen: 0.279 ng/ul
RT: 12.357 min Scan# 2048
Delta R.T. 0.000 min
Lab File: BM040793.D
Acq: 10 Jul 2023 10:40

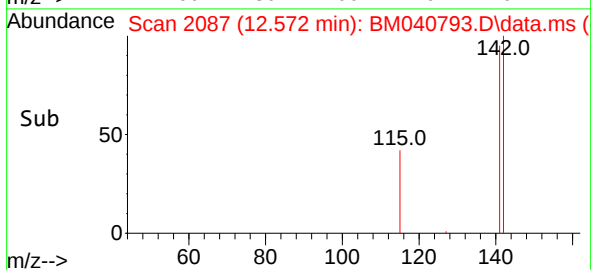
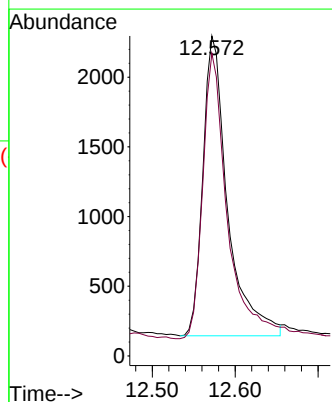
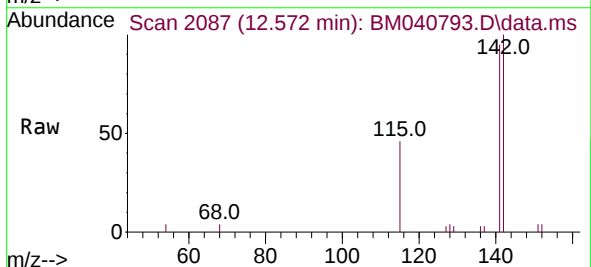
Instrument :
BNA_M
ClientSampleId :

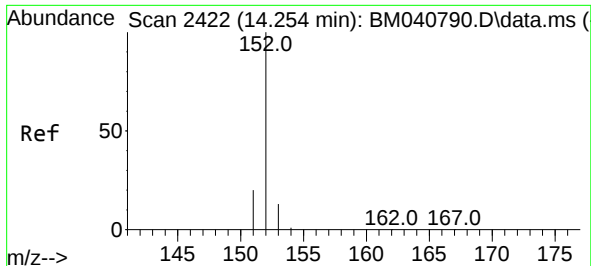
Tgt Ion:142 Resp: 4555
Ion Ratio Lower Upper
142 100
141 94.6 71.9 107.9



#8
1-Methylnaphthalene
Concen: 0.274 ng/ul
RT: 12.572 min Scan# 2087
Delta R.T. -0.005 min
Lab File: BM040793.D
Acq: 10 Jul 2023 10:40

Tgt Ion:142 Resp: 4469
Ion Ratio Lower Upper
142 100
141 94.5 73.7 110.5

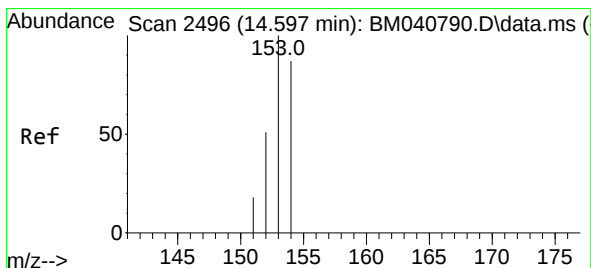
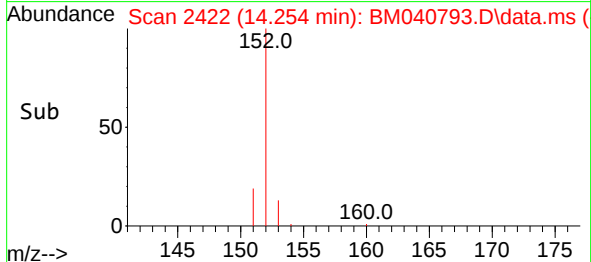
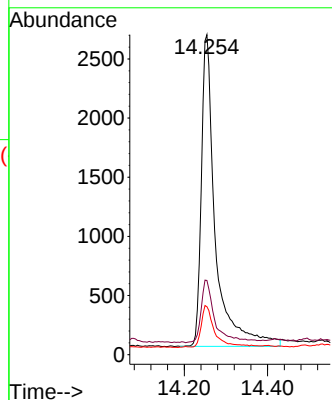
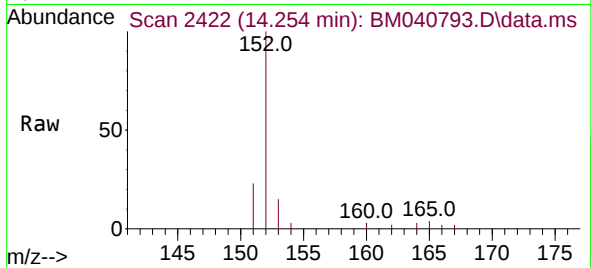




#10
Acenaphthylene
Concen: 0.297 ng/ul
RT: 14.254 min Scan# 2422
Delta R.T. 0.000 min
Lab File: BM040793.D
Acq: 10 Jul 2023 10:40

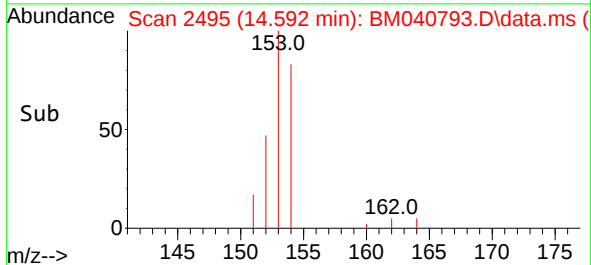
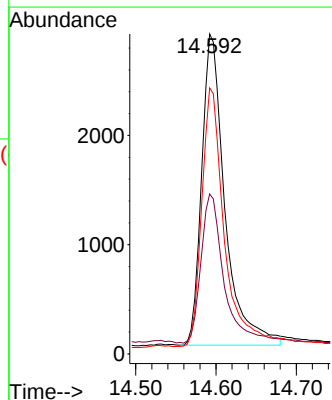
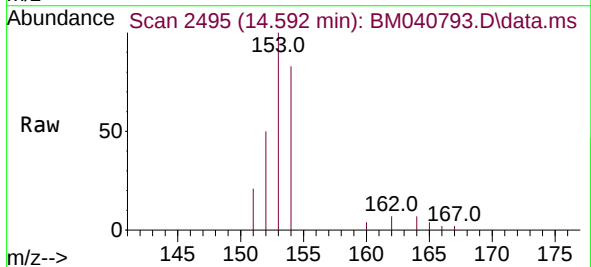
Instrument :
BNA_M
ClientSampleId :

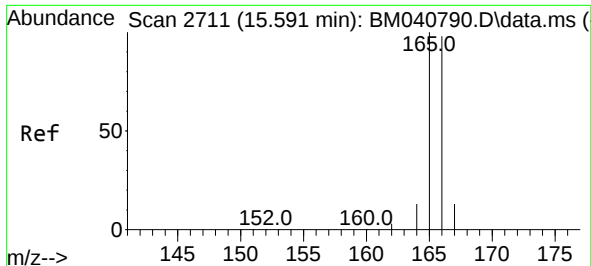
Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.2	16.2	24.2
153	15.0	10.9	16.3



#11
Acenaphthene
Concen: 0.325 ng/ul
RT: 14.592 min Scan# 2495
Delta R.T. -0.005 min
Lab File: BM040793.D
Acq: 10 Jul 2023 10:40

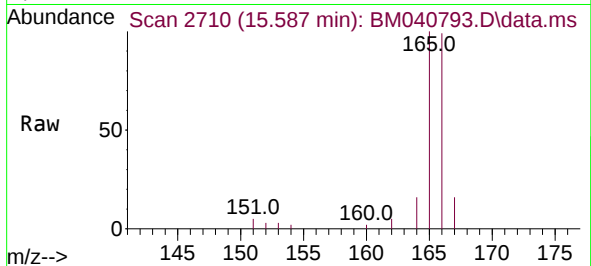
Tgt Ion	Ratio	Lower	Upper
153	100		
152	50.0	41.0	61.4
154	83.2	70.8	106.2



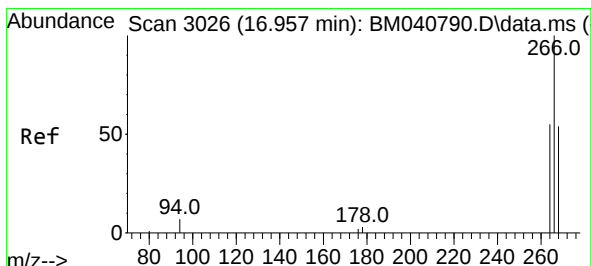
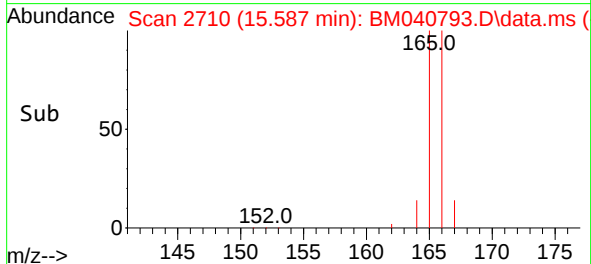
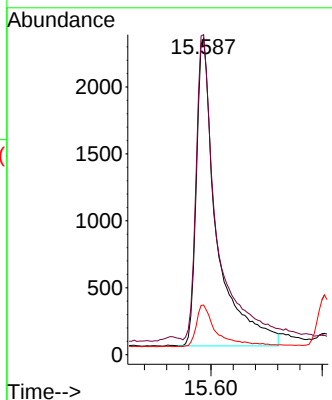


#12
Fluorene
Concen: 0.313 ng/ul
RT: 15.587 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM040793.D
Acq: 10 Jul 2023 10:40

Instrument :
BNA_M
ClientSampleId :

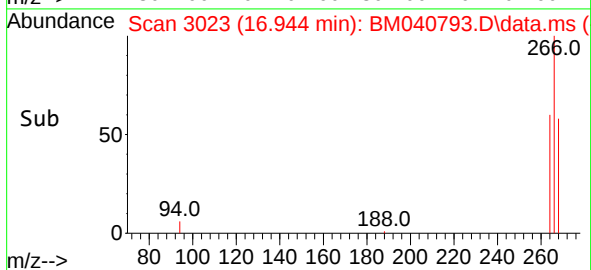
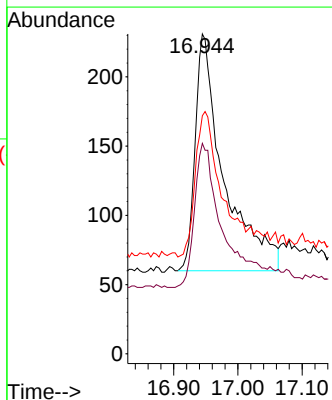
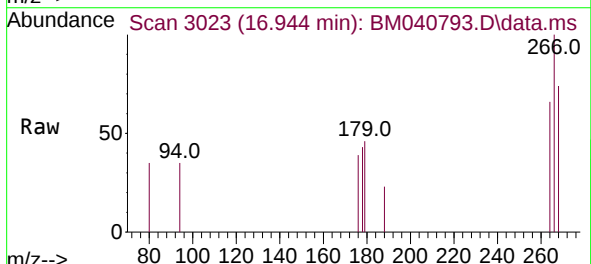


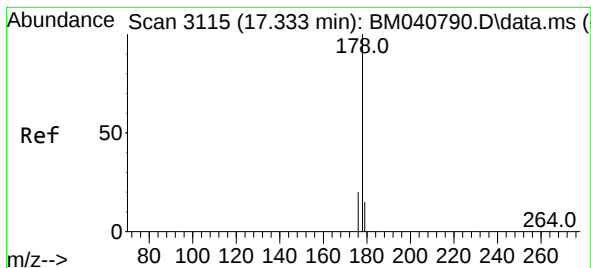
Tgt Ion:166 Resp: 5879
Ion Ratio Lower Upper
166 100
165 101.1 79.6 119.4
167 15.7 11.4 17.0



#14
Pentachlorophenol
Concen: 0.379 ng/ul
RT: 16.944 min Scan# 3023
Delta R.T. -0.013 min
Lab File: BM040793.D
Acq: 10 Jul 2023 10:40

Tgt Ion:266 Resp: 530
Ion Ratio Lower Upper
266 100
264 63.6 45.4 68.0
268 64.9 47.2 70.8





#15

Phenanthrene

Concen: 0.350 ng/ul

RT: 17.329 min Scan# 3114

Delta R.T. -0.004 min

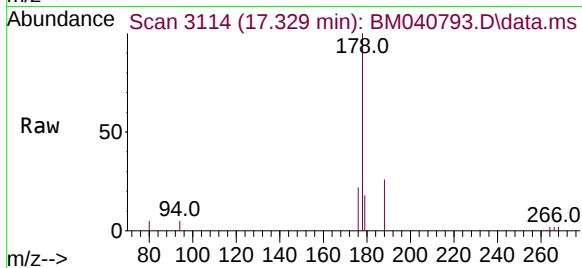
Lab File: BM040793.D

Acq: 10 Jul 2023 10:40

Instrument :

BNA_M

ClientSampleId :



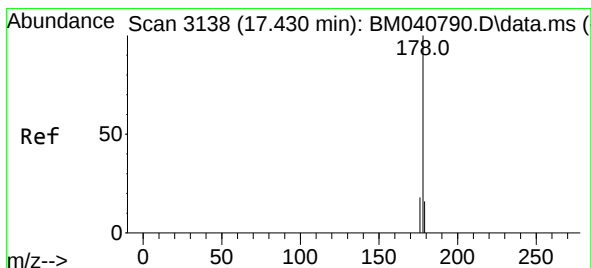
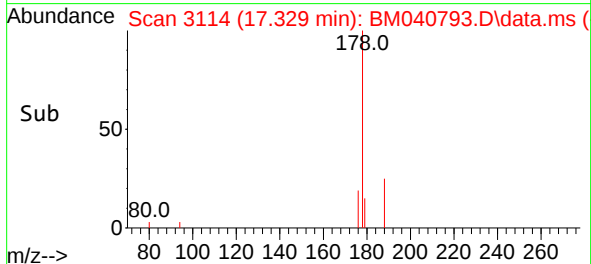
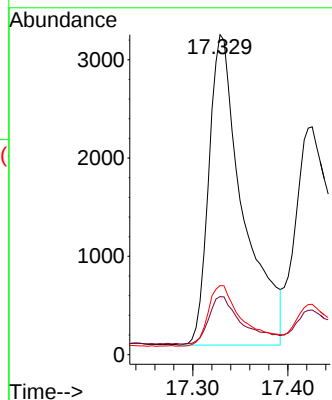
Tgt Ion:178 Resp: 7898

Ion Ratio Lower Upper

178 100

179 18.2 12.8 19.2

176 21.6 16.4 24.6



#16

Anthracene

Concen: 0.369 ng/ul

RT: 17.426 min Scan# 3137

Delta R.T. -0.004 min

Lab File: BM040793.D

Acq: 10 Jul 2023 10:40

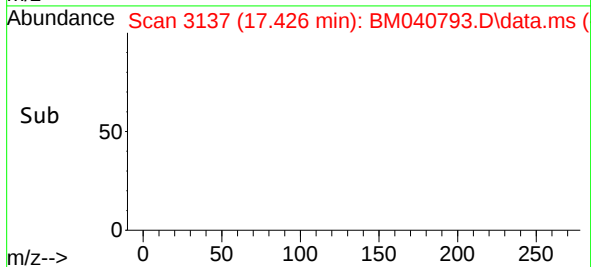
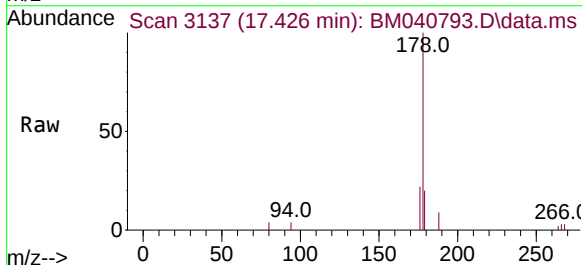
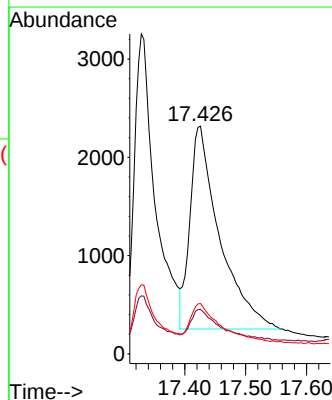
Tgt Ion:178 Resp: 6996

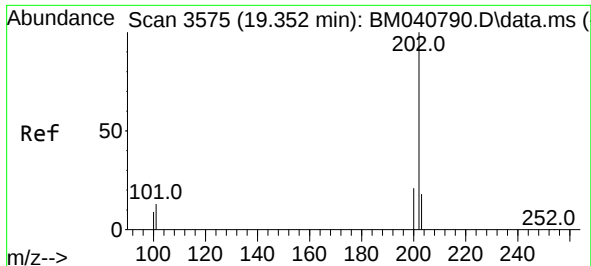
Ion Ratio Lower Upper

178 100

179 19.6 12.9 19.3#

176 22.1 15.8 23.6

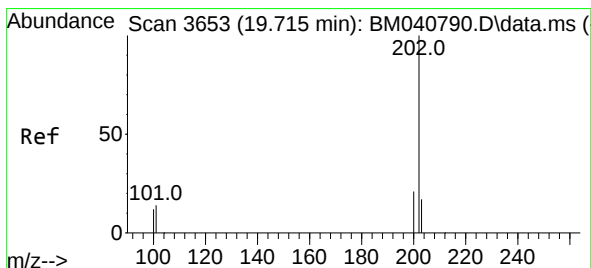
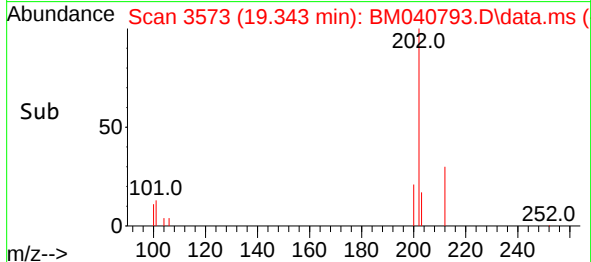
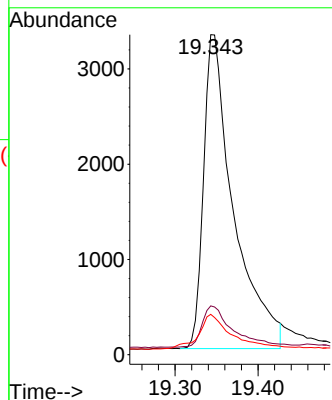
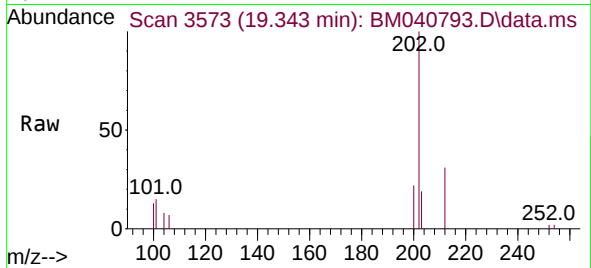




#19
Fluoranthene
Concen: 0.385 ng/ul
RT: 19.343 min Scan# 3573
Delta R.T. -0.009 min
Lab File: BM040793.D
Acq: 10 Jul 2023 10:40

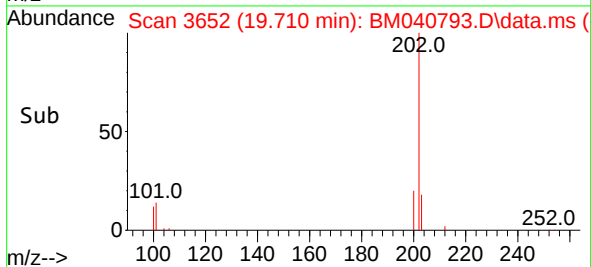
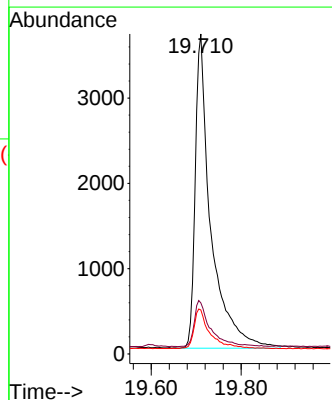
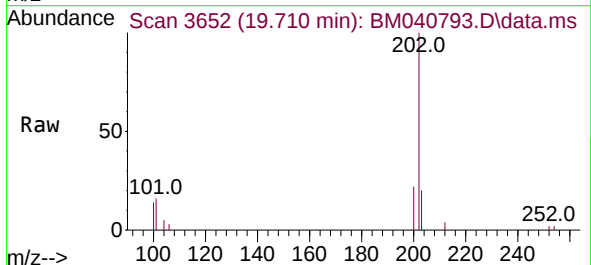
Instrument :
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ClientSampleId :

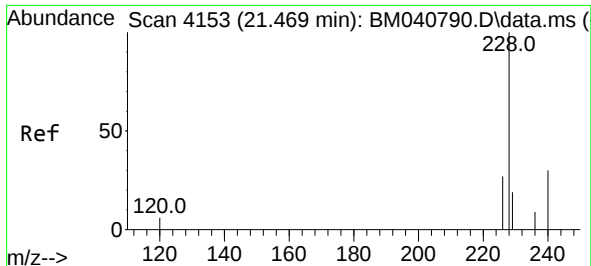
Tgt Ion:202 Resp: 8299
Ion Ratio Lower Upper
202 100
101 15.3 11.4 17.0
100 12.6 8.7 13.1



#20
Pyrene
Concen: 0.384 ng/ul
RT: 19.710 min Scan# 3652
Delta R.T. -0.005 min
Lab File: BM040793.D
Acq: 10 Jul 2023 10:40

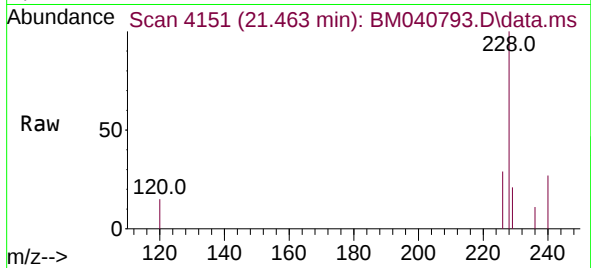
Tgt Ion:202 Resp: 8886
Ion Ratio Lower Upper
202 100
101 16.0 12.6 18.8
100 13.7 9.8 14.6



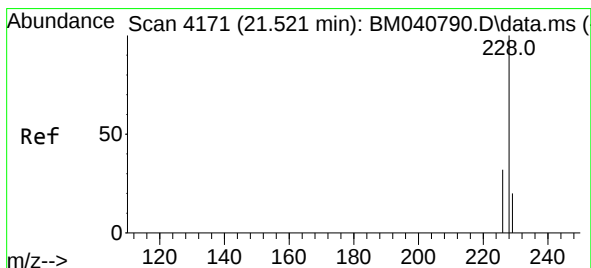
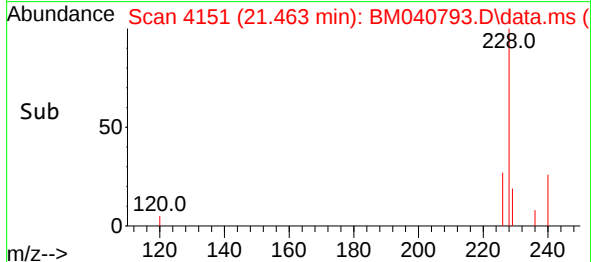
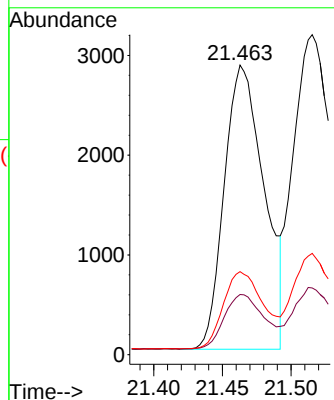


#21
Benzo(a)anthracene
Concen: 0.335 ng/ul
RT: 21.463 min Scan# 4151
Delta R.T. -0.006 min
Lab File: BM040793.D
Acq: 10 Jul 2023 10:40

Instrument :
BNA_M
ClientSampleId :

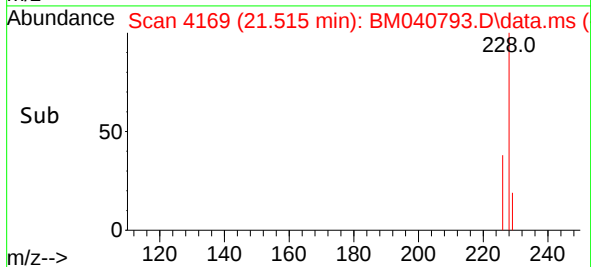
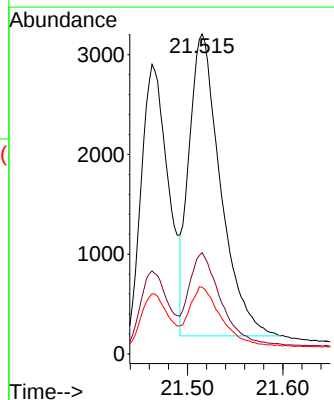
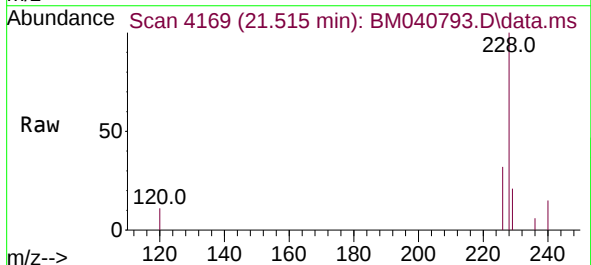


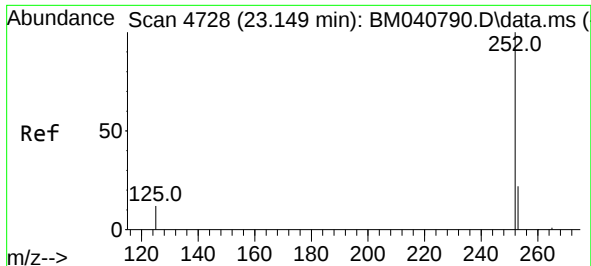
Tgt Ion:228 Resp: 5754
Ion Ratio Lower Upper
228 100
229 20.8 16.0 24.0
226 28.7 22.3 33.5



#22
Chrysene
Concen: 0.354 ng/ul
RT: 21.515 min Scan# 4169
Delta R.T. -0.006 min
Lab File: BM040793.D
Acq: 10 Jul 2023 10:40

Tgt Ion:228 Resp: 6946
Ion Ratio Lower Upper
228 100
226 31.6 24.9 37.3
229 20.9 15.8 23.6

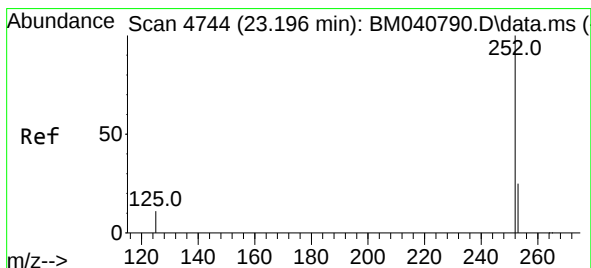
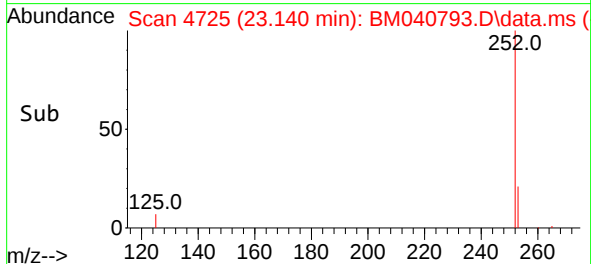
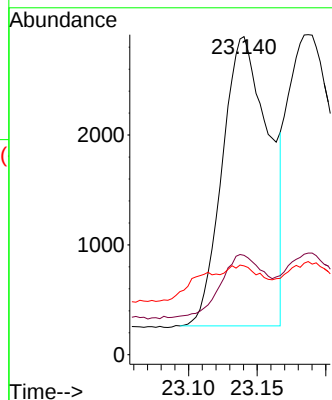
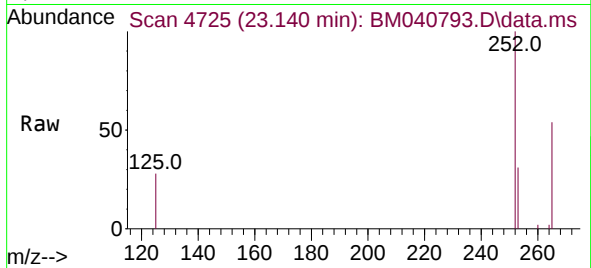




#24
Benzo(b)fluoranthene
Concen: 0.375 ng/ul
RT: 23.140 min Scan# 4725
Delta R.T. -0.009 min
Lab File: BM040793.D
Acq: 10 Jul 2023 10:40

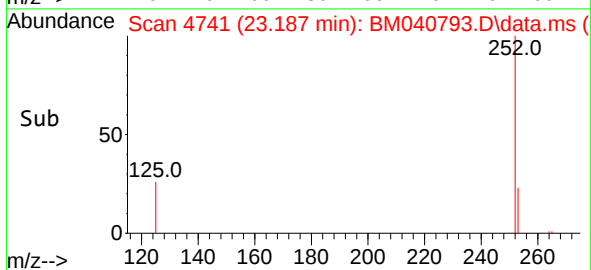
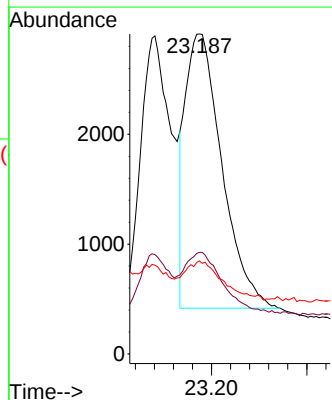
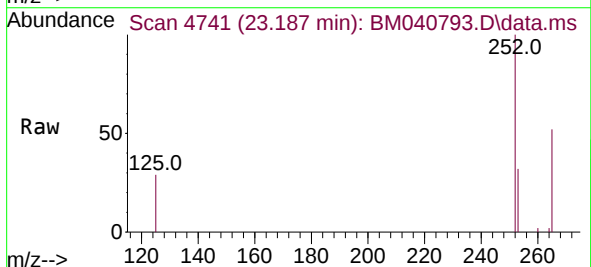
Instrument :
BNA_M
ClientSampleId :

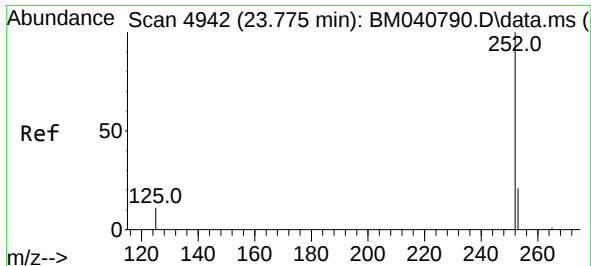
Tgt Ion:252 Resp: 6203
Ion Ratio Lower Upper
252 100
253 31.2 0.0 52.8
125 27.9 0.0 43.0



#25
Benzo(k)fluoranthene
Concen: 0.410 ng/ul
RT: 23.187 min Scan# 4741
Delta R.T. -0.009 min
Lab File: BM040793.D
Acq: 10 Jul 2023 10:40

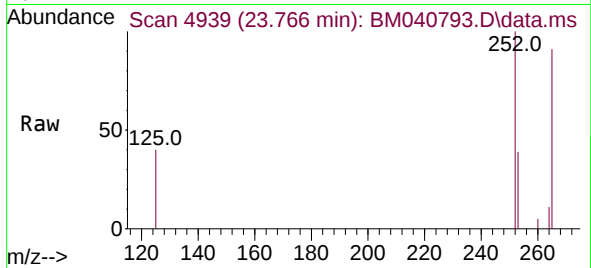
Tgt Ion:252 Resp: 6674
Ion Ratio Lower Upper
252 100
253 31.8 21.2 31.8
125 29.1 16.4 24.6#



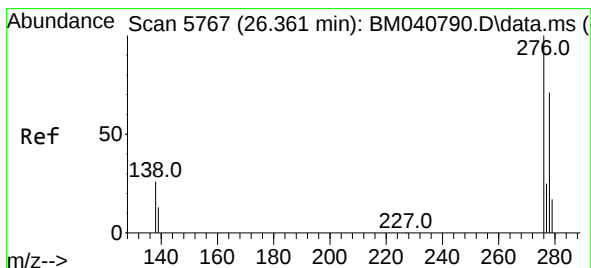
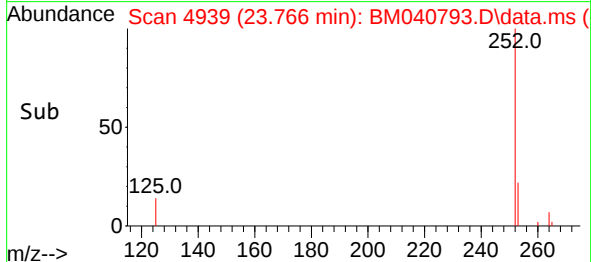
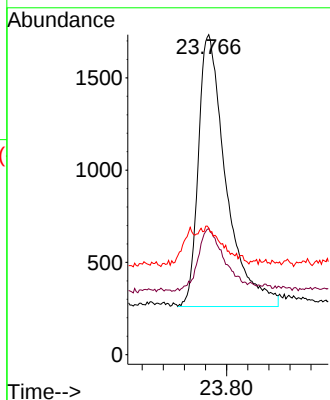


#26
Benzo(a)pyrene
Concen: 0.360 ng/ul
RT: 23.766 min Scan# 4942
Delta R.T. -0.009 min
Lab File: BM040793.D
Acq: 10 Jul 2023 10:40

Instrument :
BNA_M
ClientSampleId :

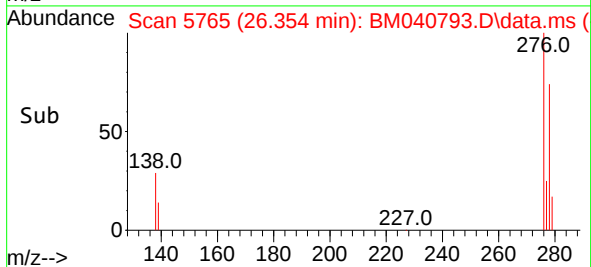
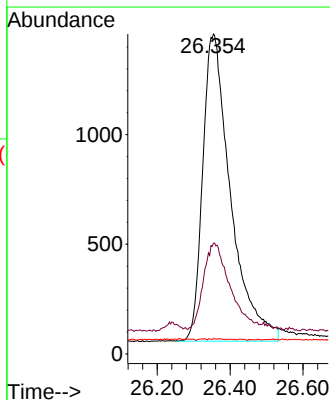
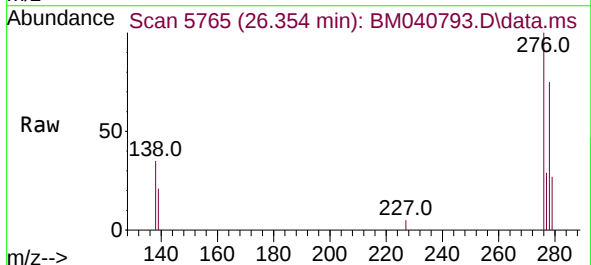


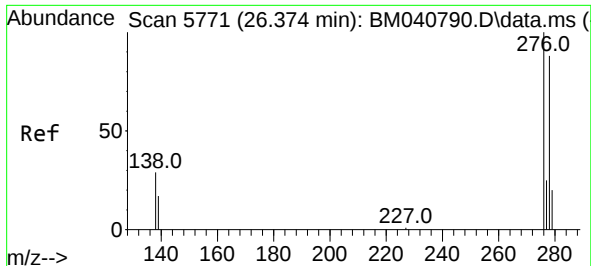
Tgt Ion:252 Resp: 5360
Ion Ratio Lower Upper
252 100
253 39.4 22.9 34.3#
125 39.6 21.0 31.4#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.358 ng/ul
RT: 26.354 min Scan# 5765
Delta R.T. -0.007 min
Lab File: BM040793.D
Acq: 10 Jul 2023 10:40

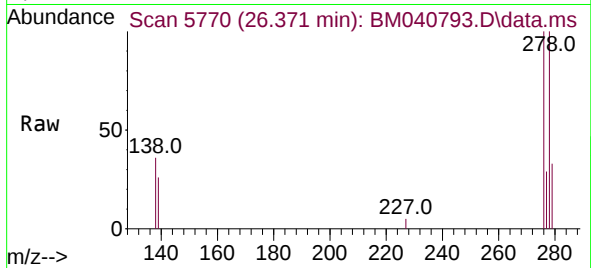
Tgt Ion:276 Resp: 7432
Ion Ratio Lower Upper
276 100
138 27.6 24.5 36.7
227 0.0 0.1 0.1#



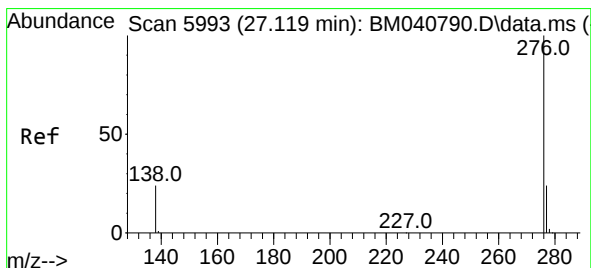
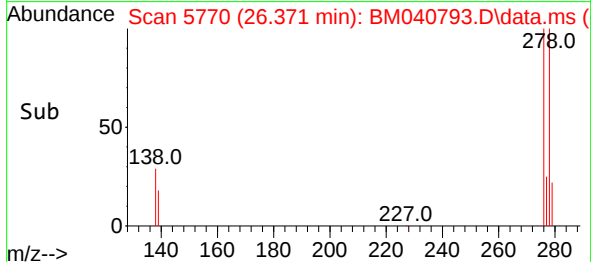
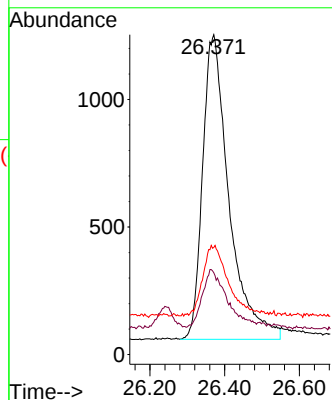


#28
Dibenzo(a,h)anthracene
Concen: 0.360 ng/ul
RT: 26.371 min Scan# 51
Delta R.T. -0.003 min
Lab File: BM040793.D
Acq: 10 Jul 2023 10:40

Instrument :
BNA_M
ClientSampleId :



Tgt Ion:278 Resp: 5849
Ion Ratio Lower Upper
278 100
139 25.6 17.9 26.9
279 33.5 22.0 33.0#



#29
Benzo(g,h,i)perylene
Concen: 0.361 ng/ul
RT: 27.115 min Scan# 5992
Delta R.T. -0.003 min
Lab File: BM040793.D
Acq: 10 Jul 2023 10:40

Tgt Ion:276 Resp: 6566
Ion Ratio Lower Upper
276 100
138 32.5 23.0 34.6
277 28.3 20.3 30.5

