

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
 Data File : BM041030.D
 Acq On : 21 Jul 2023 23:08
 Operator : MA/JU
 Sample : 03444-14DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 21 23:51:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 21 18:20:46 2023
 Response via : Initial Calibration

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

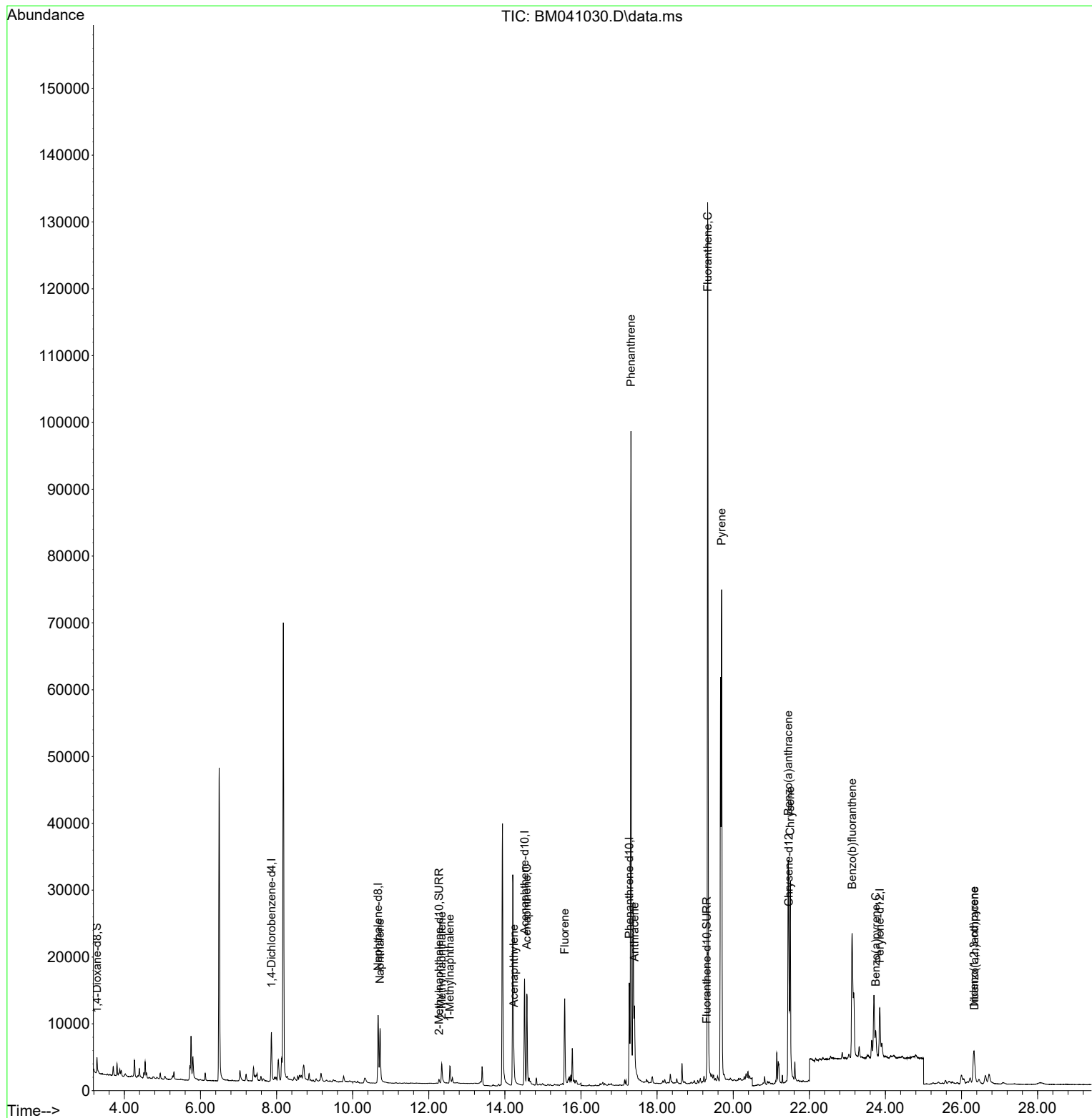
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.866	152	4226	0.400	ng/ul	0.00
4) Naphthalene-d8	10.669	136	15916	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.518	164	9171	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.270	188	19197	0.400	ng/ul	0.00
17) Chrysene-d12	21.463	240	12661	0.400	ng/ul	# 0.00
23) Perylene-d12	23.851	264	11010	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.280	96	1494	0.215	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.269	152	1115	0.053	ng/ul	0.00
18) Fluoranthene-d10	19.301	212	2233	0.042	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.719	128	12522	0.288	ng/ul	99
7) 2-Methylnaphthalene	12.341	142	2937	0.123	ng/ul	97
8) 1-Methylnaphthalene	12.555	142	2160	0.085	ng/ul	100
10) Acenaphthylene	14.236	152	2763	0.072	ng/ul#	89
11) Acenaphthene	14.578	153	8091	0.239	ng/ul	98
12) Fluorene	15.573	166	9243	0.264	ng/ul	99
15) Phenanthrene	17.312	178	109121	1.902	ng/ul	98
16) Anthracene	17.405	178	13308	0.298	ng/ul	96
19) Fluoranthene	19.329	202	116715	1.785	ng/ul	96
20) Pyrene	19.696	202	64548	0.967	ng/ul	94
21) Benzo(a)anthracene	21.445	228	29689	0.770	ng/ul	99
22) Chrysene	21.498	228	29038	0.659	ng/ul	98
24) Benzo(b)fluoranthene	23.126	252	32767	0.775	ng/ul	91
26) Benzo(a)pyrene	23.746	252	5424	0.149	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	26.327	276	9137	0.189	ng/ul#	84
28) Dibenzo(a,h)anthracene	26.337	278	3113	0.085	ng/ul#	79

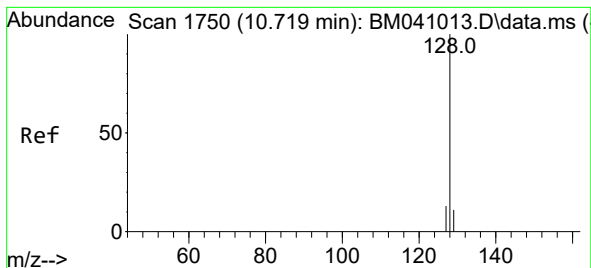
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.288 ng/ul

RT: 10.719 min Scan# 1750

Delta R.T. -0.000 min

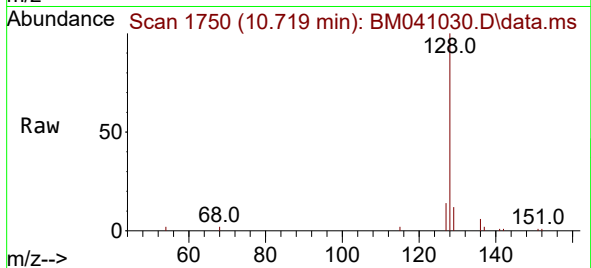
Lab File: BM041030.D

Acq: 21 Jul 2023 23:08

Instrument :

BNA_M

ClientSampleId :



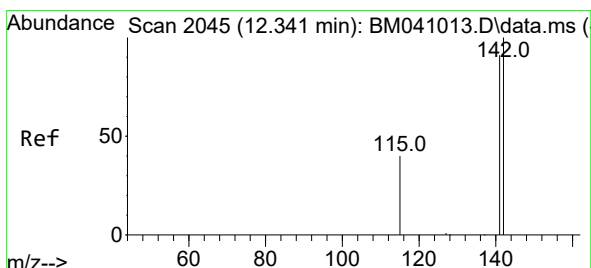
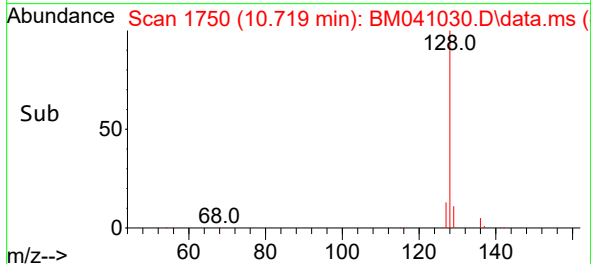
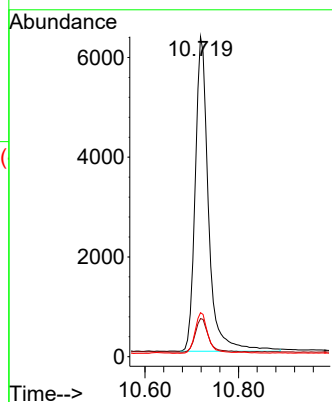
Tgt Ion:128 Resp: 12522

Ion Ratio Lower Upper

128 100

129 11.9 9.8 14.8

127 13.8 11.0 16.4



#7

2-Methylnaphthalene

Concen: 0.123 ng/ul

RT: 12.341 min Scan# 2045

Delta R.T. -0.000 min

Lab File: BM041030.D

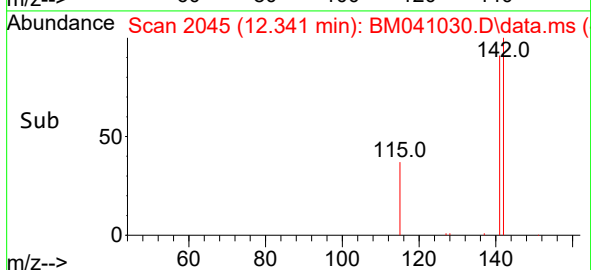
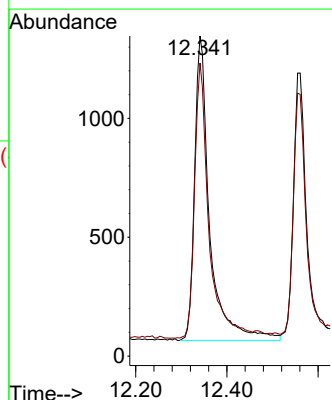
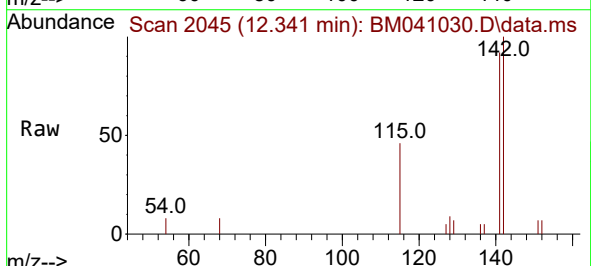
Acq: 21 Jul 2023 23:08

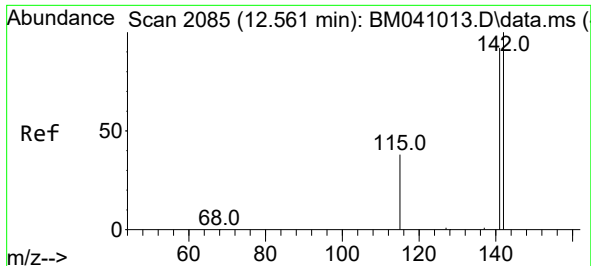
Tgt Ion:142 Resp: 2937

Ion Ratio Lower Upper

142 100

141 88.7 73.2 109.8

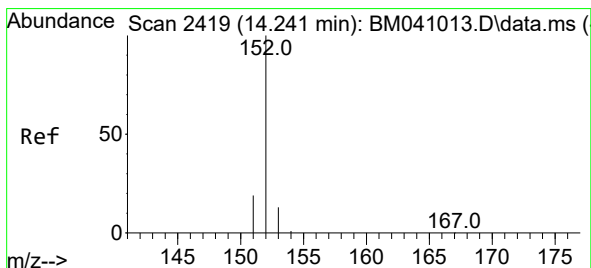
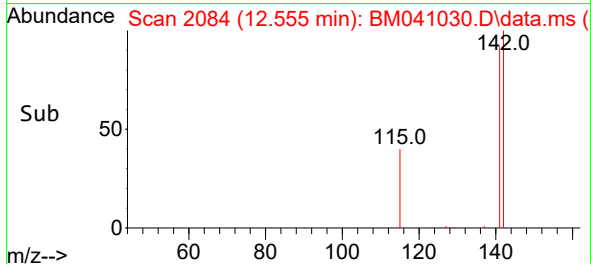
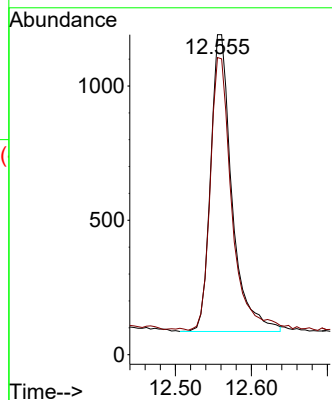
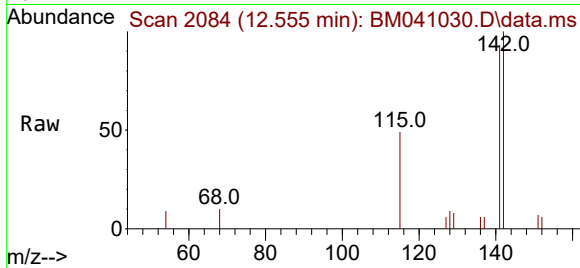




#8
1-Methylnaphthalene
Concen: 0.085 ng/ul
RT: 12.555 min Scan# 2084
Delta R.T. -0.006 min
Lab File: BM041030.D
Acq: 21 Jul 2023 23:08

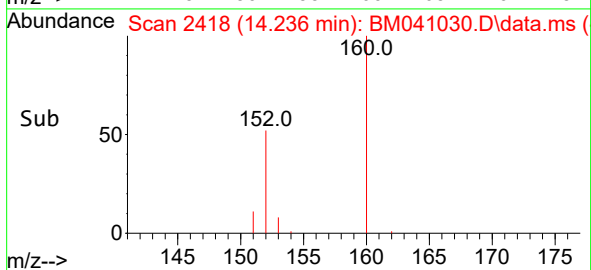
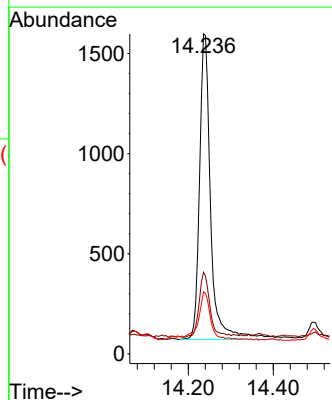
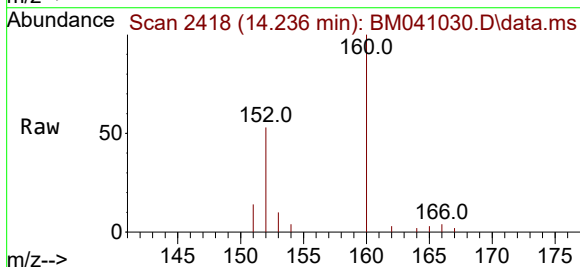
Instrument :
BNA_M
ClientSampleId :

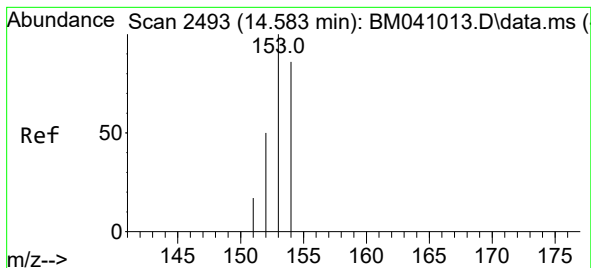
Tgt Ion:142 Resp: 2160
Ion Ratio Lower Upper
142 100
141 92.2 73.4 110.2



#10
Acenaphthylene
Concen: 0.072 ng/ul
RT: 14.236 min Scan# 2418
Delta R.T. -0.005 min
Lab File: BM041030.D
Acq: 21 Jul 2023 23:08

Tgt Ion:152 Resp: 2763
Ion Ratio Lower Upper
152 100
151 25.5 16.8 25.2#
153 19.4 11.6 17.4#





#11

Acenaphthene

Concen: 0.239 ng/ul

RT: 14.578 min Scan# 2492

Delta R.T. -0.005 min

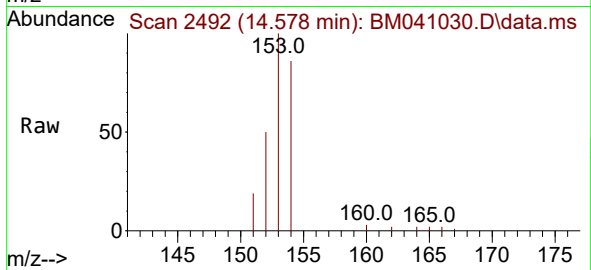
Lab File: BM041030.D

Acq: 21 Jul 2023 23:08

Instrument :

BNA_M

ClientSampleId :



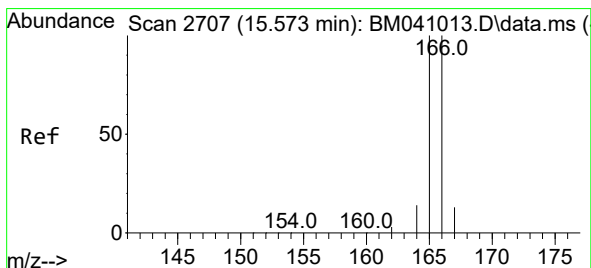
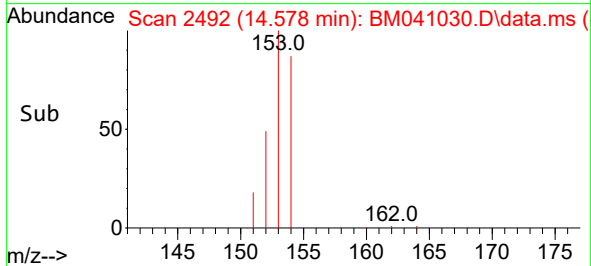
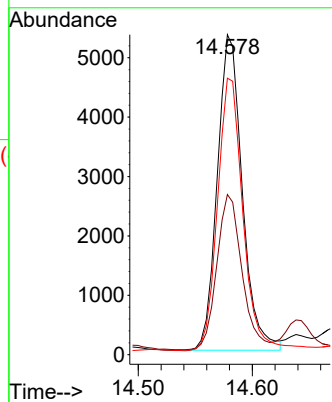
Tgt Ion:153 Resp: 8091

Ion Ratio Lower Upper

153 100

152 50.0 41.0 61.6

154 86.4 68.2 102.2



#12

Fluorene

Concen: 0.264 ng/ul

RT: 15.573 min Scan# 2707

Delta R.T. -0.000 min

Lab File: BM041030.D

Acq: 21 Jul 2023 23:08

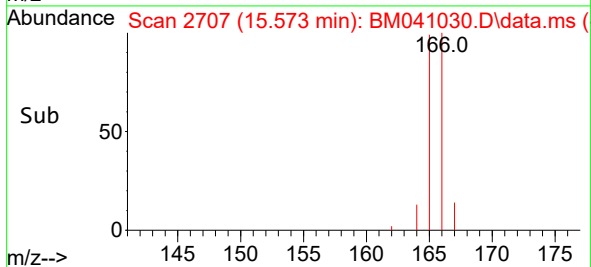
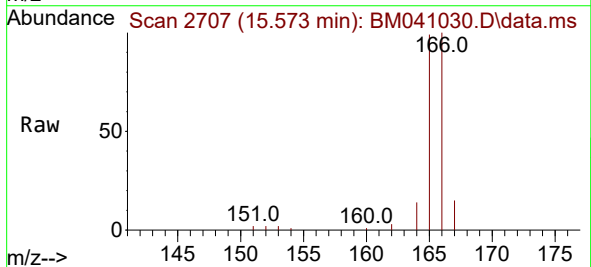
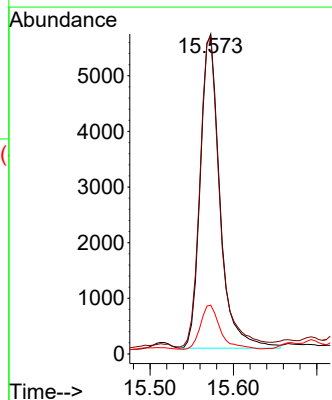
Tgt Ion:166 Resp: 9243

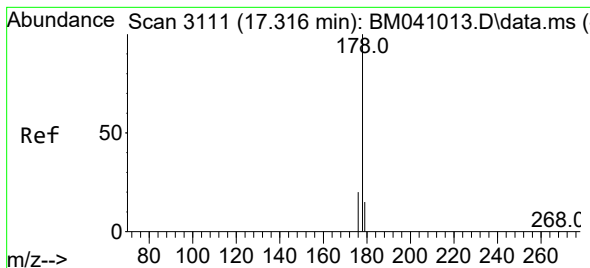
Ion Ratio Lower Upper

166 100

165 99.2 80.3 120.5

167 15.2 11.7 17.5





#15

Phenanthrene

Concen: 1.902 ng/ul

RT: 17.312 min Scan# 3110

Delta R.T. -0.004 min

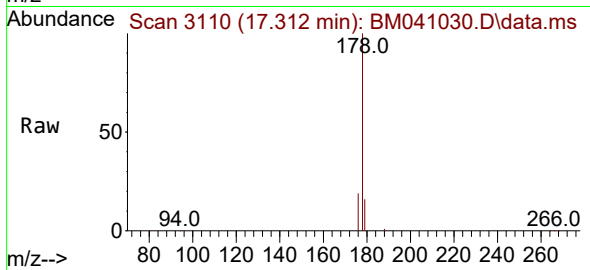
Lab File: BM041030.D

Acq: 21 Jul 2023 23:08

Instrument :

BNA_M

ClientSampleId :



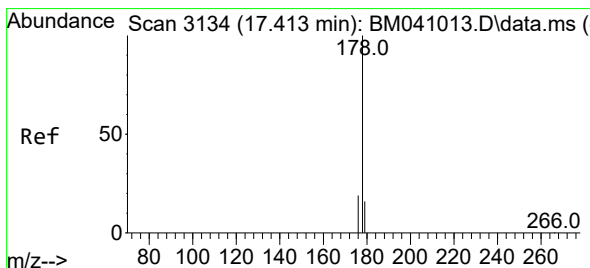
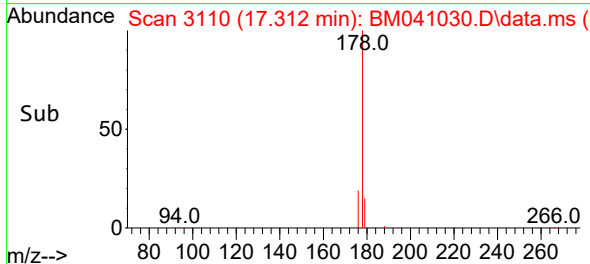
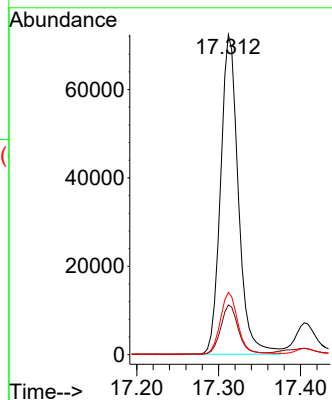
Tgt Ion:178 Resp: 109121

Ion Ratio Lower Upper

178 100

179 15.5 13.0 19.6

176 19.4 16.2 24.4



#16

Anthracene

Concen: 0.298 ng/ul

RT: 17.405 min Scan# 3132

Delta R.T. -0.009 min

Lab File: BM041030.D

Acq: 21 Jul 2023 23:08

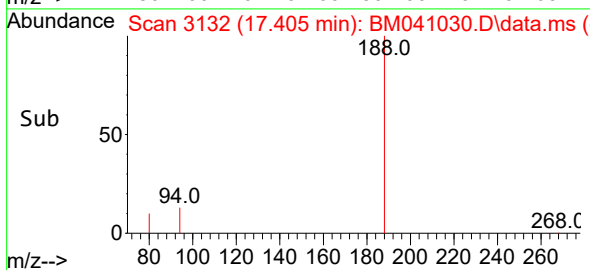
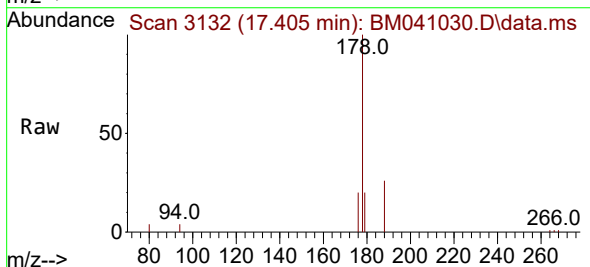
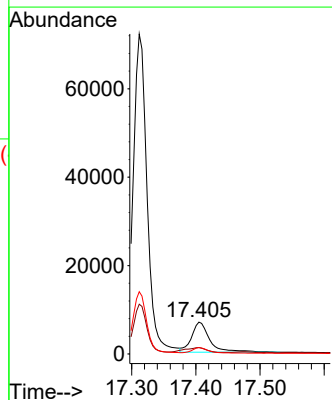
Tgt Ion:178 Resp: 13308

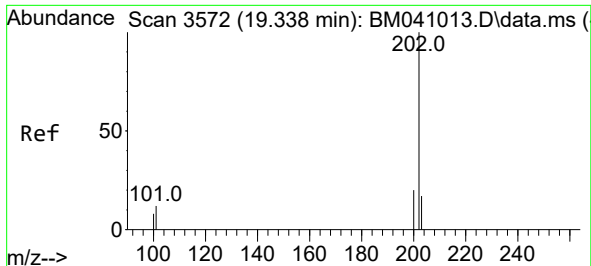
Ion Ratio Lower Upper

178 100

179 20.0 13.7 20.5

176 19.9 16.4 24.6

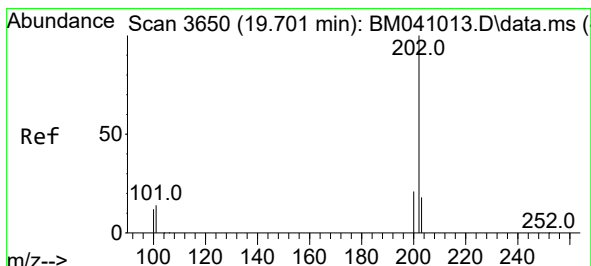
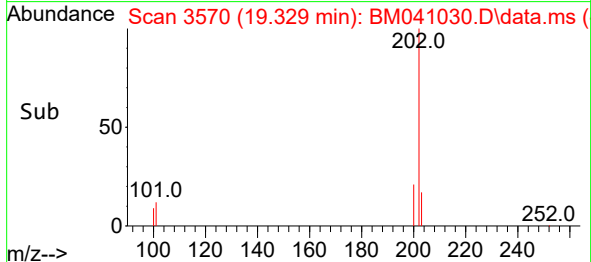
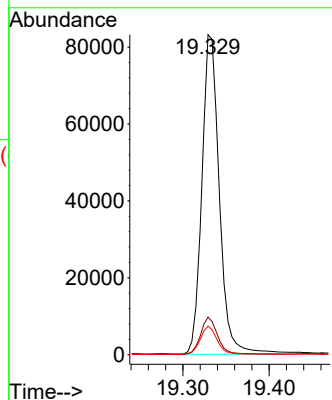
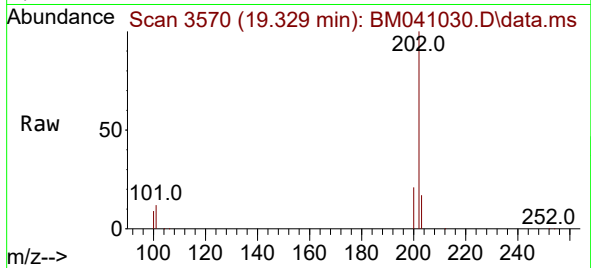




#19
Fluoranthene
Concen: 1.785 ng/ul
RT: 19.329 min Scan# 3570
Delta R.T. -0.009 min
Lab File: BM041030.D
Acq: 21 Jul 2023 23:08

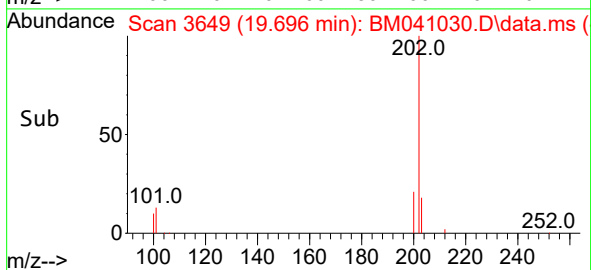
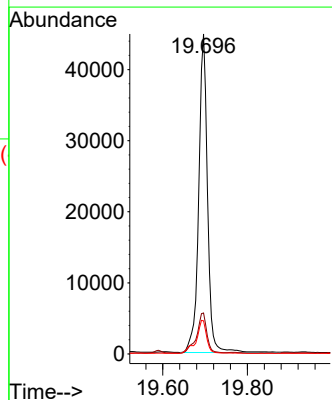
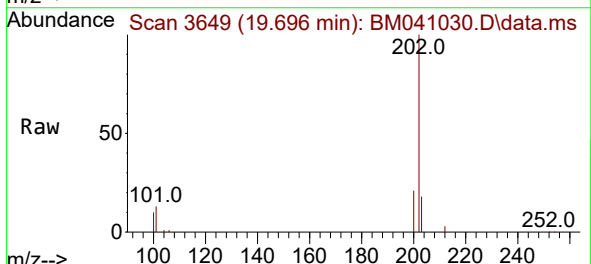
Instrument :
BNA_M
ClientSampleId :

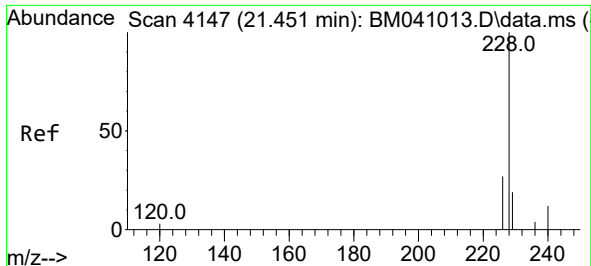
Tgt Ion:202 Resp: 116715
Ion Ratio Lower Upper
202 100
101 11.8 11.0 16.4
100 8.9 8.3 12.5



#20
Pyrene
Concen: 0.967 ng/ul
RT: 19.696 min Scan# 3649
Delta R.T. -0.005 min
Lab File: BM041030.D
Acq: 21 Jul 2023 23:08

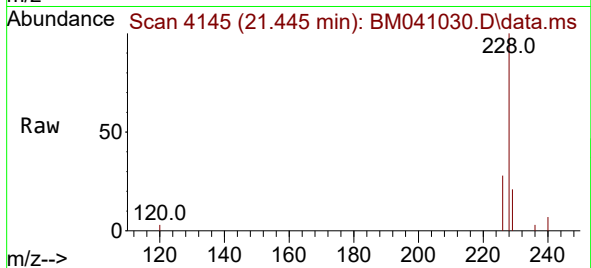
Tgt Ion:202 Resp: 64548
Ion Ratio Lower Upper
202 100
101 12.8 12.5 18.7
100 10.3 10.0 15.0



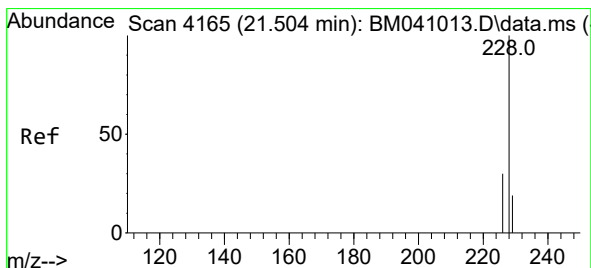
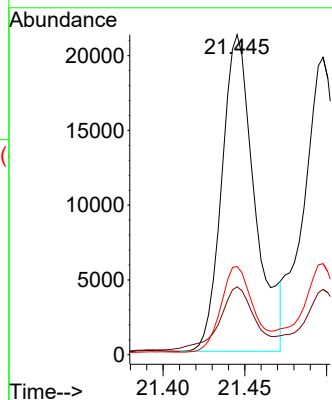
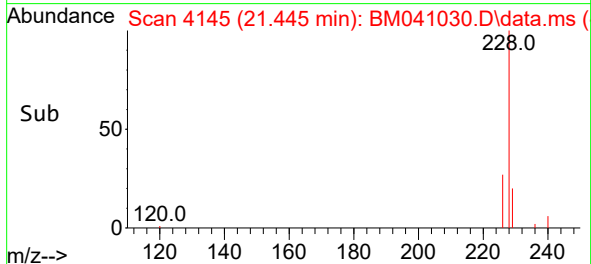


#21
Benzo(a)anthracene
Concen: 0.770 ng/ul
RT: 21.445 min Scan# 4145
Delta R.T. -0.006 min
Lab File: BM041030.D
Acq: 21 Jul 2023 23:08

Instrument :
BNA_M
ClientSampleId :

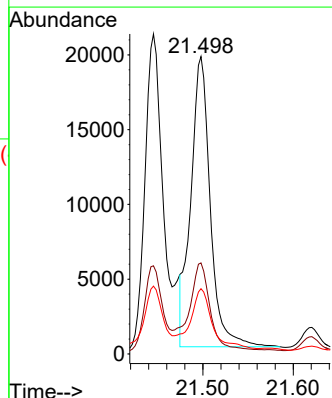
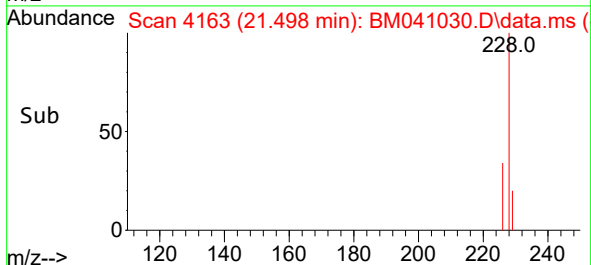
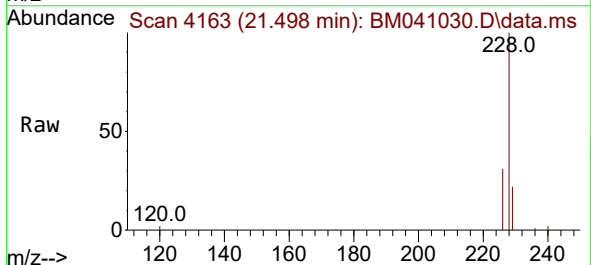


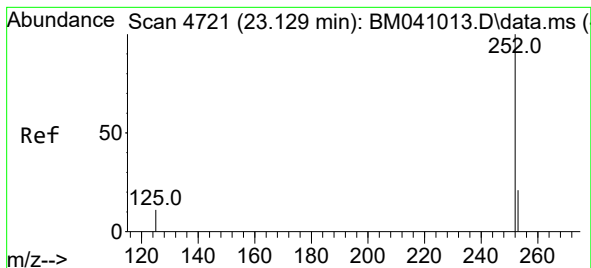
Tgt Ion:228 Resp: 29689
Ion Ratio Lower Upper
228 100
229 21.2 16.2 24.4
226 27.6 22.3 33.5



#22
Chrysene
Concen: 0.659 ng/ul
RT: 21.498 min Scan# 4163
Delta R.T. -0.006 min
Lab File: BM041030.D
Acq: 21 Jul 2023 23:08

Tgt Ion:228 Resp: 29038
Ion Ratio Lower Upper
228 100
226 30.6 24.6 37.0
229 21.9 16.1 24.1





#24

Benzo(b)fluoranthene

Concen: 0.775 ng/ul

RT: 23.126 min Scan# 41

Delta R.T. -0.003 min

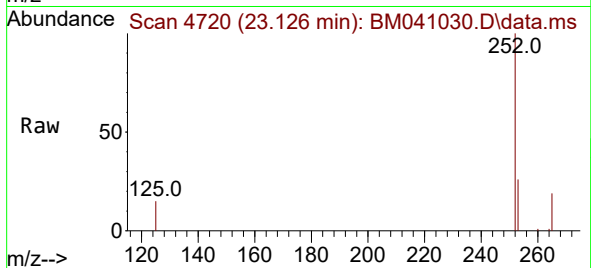
Lab File: BM041030.D

Acq: 21 Jul 2023 23:08

Instrument :

BNA_M

ClientSampleId :



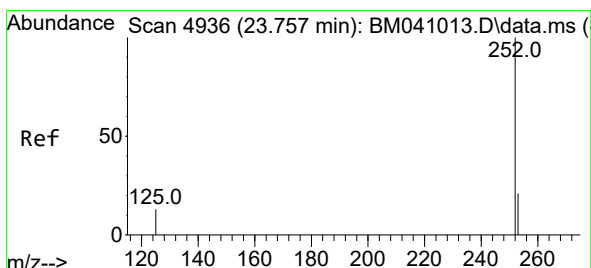
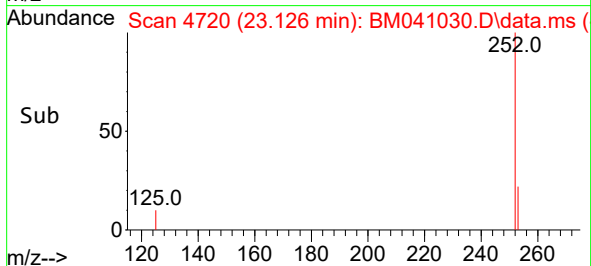
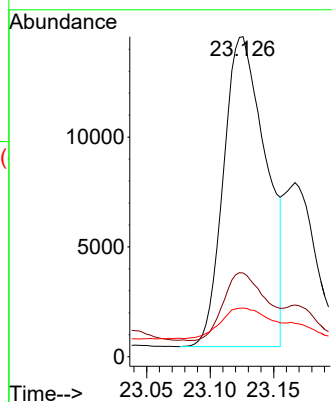
Tgt Ion:252 Resp: 32767

Ion Ratio Lower Upper

252 100

253 26.1 0.0 57.4

125 15.2 0.0 45.2



#26

Benzo(a)pyrene

Concen: 0.149 ng/ul

RT: 23.746 min Scan# 4932

Delta R.T. -0.012 min

Lab File: BM041030.D

Acq: 21 Jul 2023 23:08

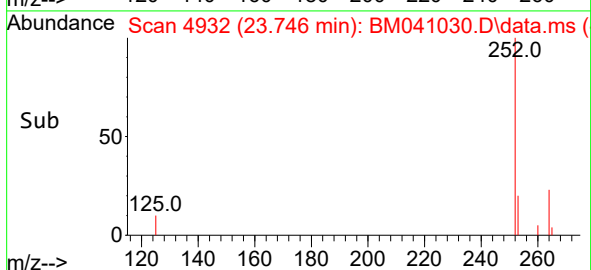
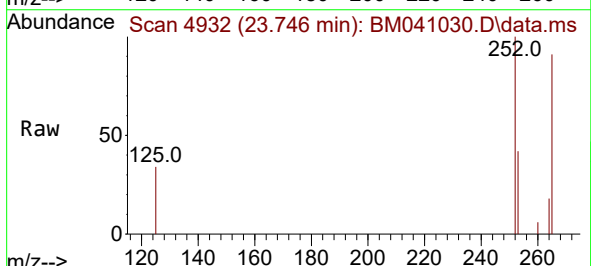
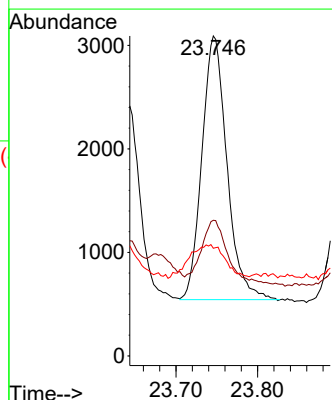
Tgt Ion:252 Resp: 5424

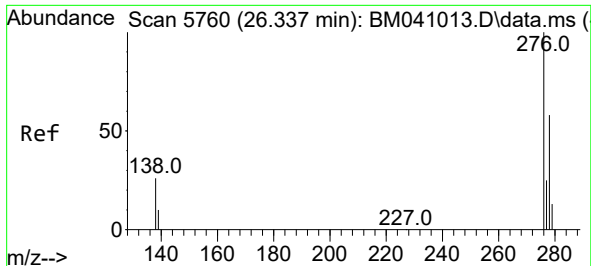
Ion Ratio Lower Upper

252 100

253 42.4 28.2 42.2#

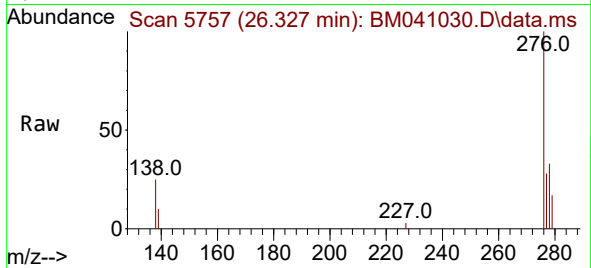
125 33.6 25.2 37.8



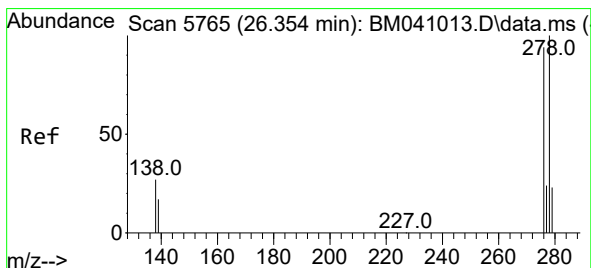
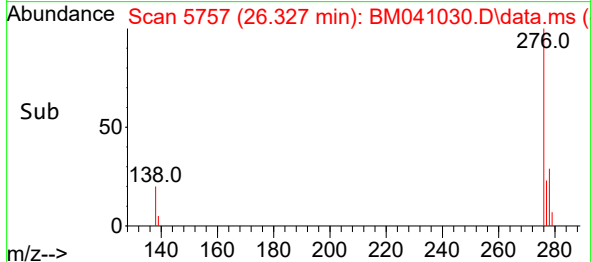
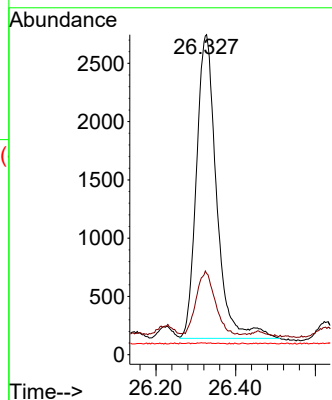


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.189 ng/ul
RT: 26.327 min Scan# 51
Delta R.T. -0.010 min
Lab File: BM041030.D
Acq: 21 Jul 2023 23:08

Instrument :
BNA_M
ClientSampleId :



Tgt Ion:276 Resp: 9137
Ion Ratio Lower Upper
276 100
138 19.3 22.3 33.5#
227 0.1 0.0 0.0#



#28
Dibenzo(a,h)anthracene
Concen: 0.085 ng/ul
RT: 26.337 min Scan# 5760
Delta R.T. -0.017 min
Lab File: BM041030.D
Acq: 21 Jul 2023 23:08

Tgt Ion:278 Resp: 3113
Ion Ratio Lower Upper
278 100
139 30.5 19.2 28.8#
279 48.7 27.0 40.6#

