

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071423\
 Data File : BM040880.D
 Acq On : 14 Jul 2023 15:40
 Operator : MA/JU
 Sample : 03418-21
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A46K6

Quant Time: Jul 15 03:15:23 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)

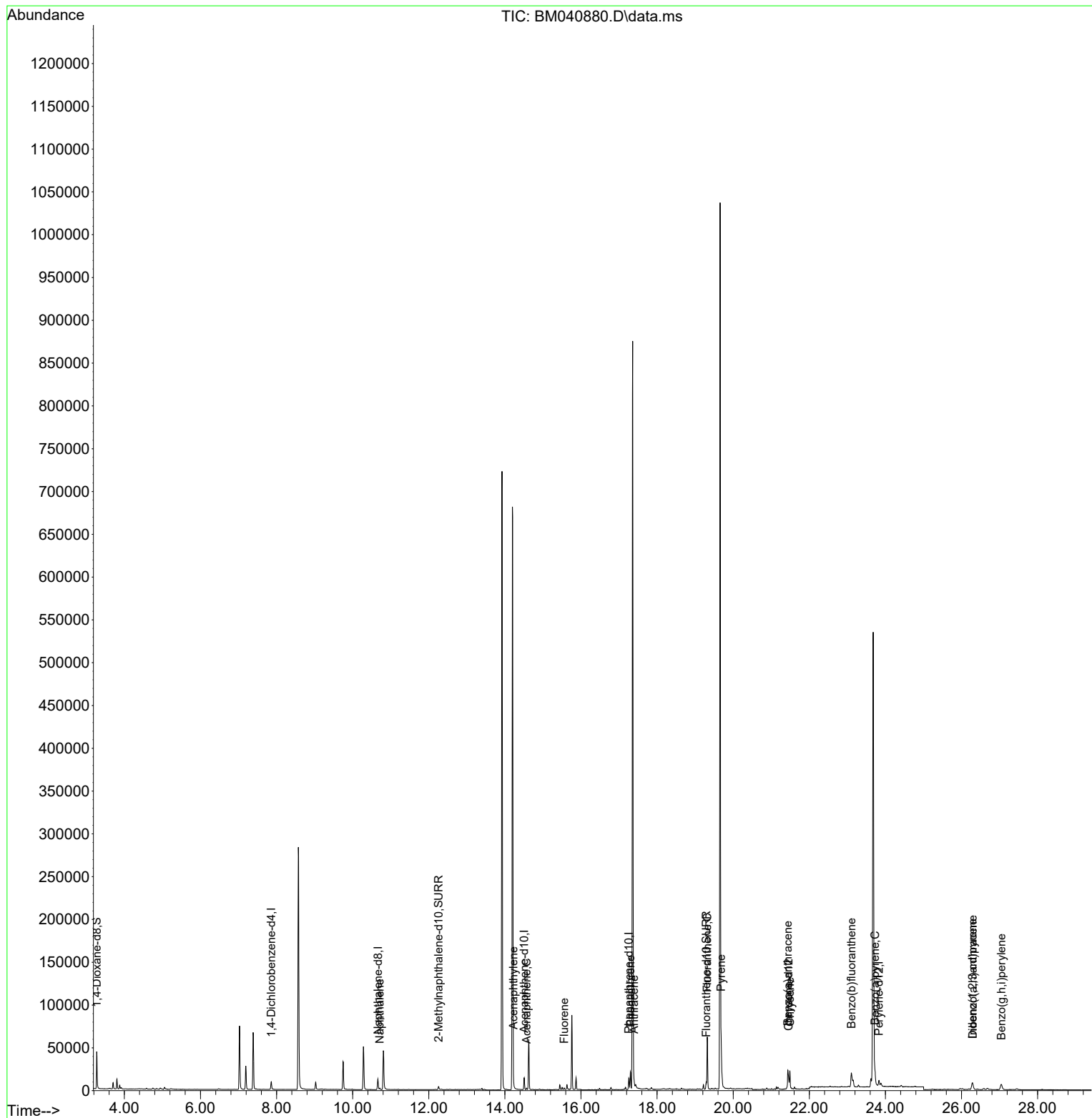
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	4634	0.400	ng/ul	0.00
4) Naphthalene-d8	10.664	136	16099	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.509	164	7518	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.257	188	16060	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.451	240	9217	0.400	ng/ul	0.00
23) Perylene-d12	23.830	264	10103	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	23402	3.215	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.258	152	5625	0.249	ng/ul	0.00
18) Fluoranthene-d10	19.292	212	8748	0.296	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.713	128	2257	0.051	ng/ul#	89
10) Acenaphthylene	14.226	152	1649	0.049	ng/ul#	78
11) Acenaphthene	14.569	153	1001	0.035	ng/ul	93
12) Fluorene	15.559	166	1212	0.040	ng/ul#	93
15) Phenanthrene	17.299	178	21456	0.430	ng/ul	99
16) Anthracene	17.392	178	3582	0.085	ng/ul#	92
19) Fluoranthene	19.320	202	50640	1.293	ng/ul	97
20) Pyrene	19.682	202	43716	1.041	ng/ul	99
21) Benzo(a)anthracene	21.436	228	17849	0.573	ng/ul	97
22) Chrysene	21.489	228	21725	0.611	ng/ul	96
24) Benzo(b)fluoranthene	23.108	252	27063	0.692	ng/ul	98
26) Benzo(a)pyrene	23.725	252	17554	0.498	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	26.287	276	14302	0.292	ng/ul#	85
28) Dibenzo(a,h)anthracene	26.294	278	3381	0.088	ng/ul#	62
29) Benzo(g,h,i)perylene	27.045	276	14336	0.333	ng/ul	98

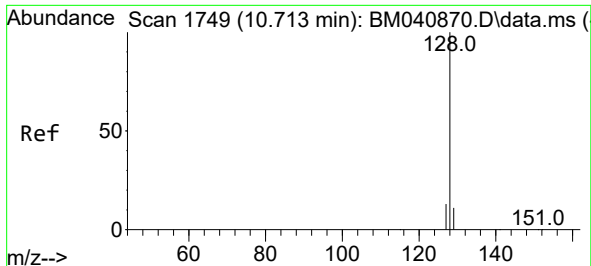
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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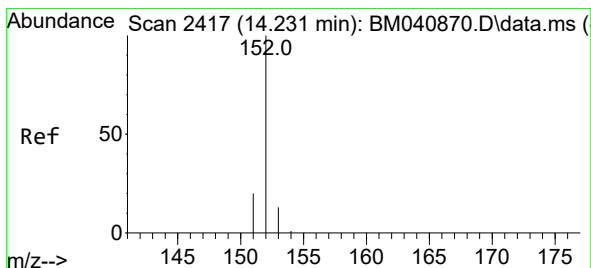
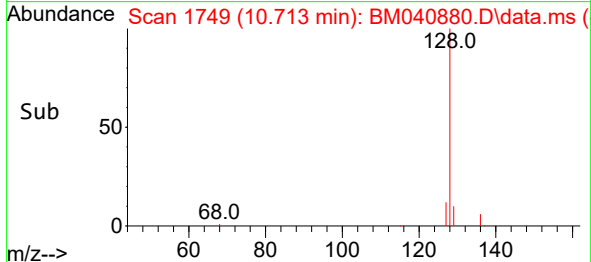
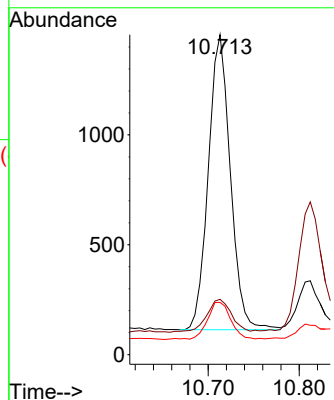
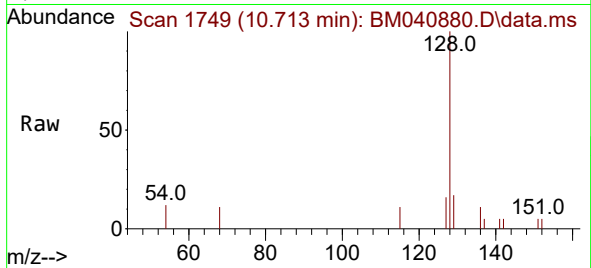




#5
Naphthalene
Concen: 0.051 ng/ul
RT: 10.713 min Scan# 1749
Delta R.T. -0.005 min
Lab File: BM040880.D
Acq: 14 Jul 2023 15:40

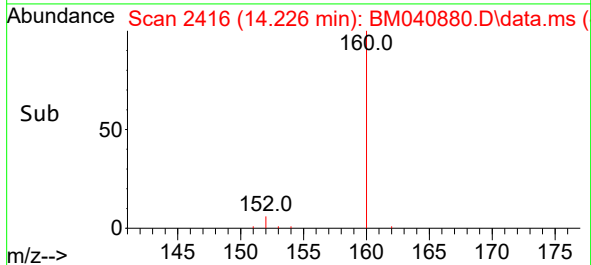
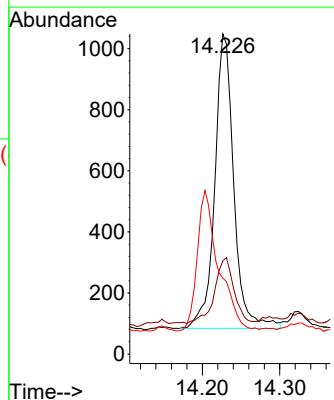
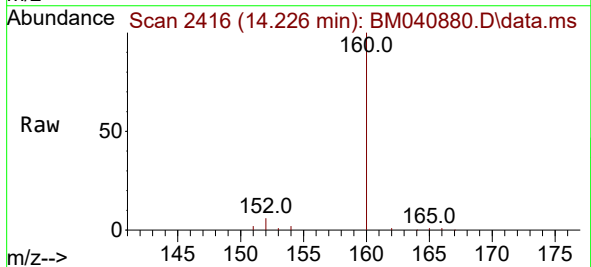
Instrument :
BNA_M
ClientSampleId :
A46K6

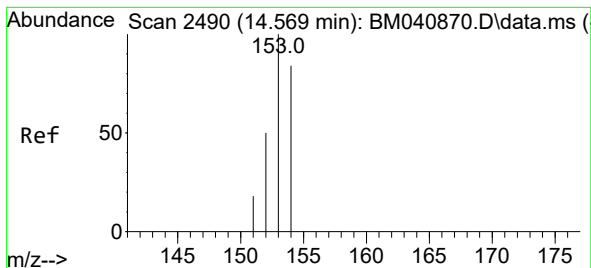
Tgt Ion:128 Resp: 2257
Ion Ratio Lower Upper
128 100
129 17.3 9.2 13.8#
127 16.3 10.6 15.8#



#10
Acenaphthylene
Concen: 0.049 ng/ul
RT: 14.226 min Scan# 2416
Delta R.T. -0.009 min
Lab File: BM040880.D
Acq: 14 Jul 2023 15:40

Tgt Ion:152 Resp: 1649
Ion Ratio Lower Upper
152 100
151 29.2 16.2 24.2#
153 23.7 10.9 16.3#





#11

Acenaphthene

Concen: 0.035 ng/ul

RT: 14.569 min Scan# 2490

Delta R.T. -0.005 min

Lab File: BM040880.D

Acq: 14 Jul 2023 15:40

Instrument :

BNA_M

ClientSampleId :

A46K6

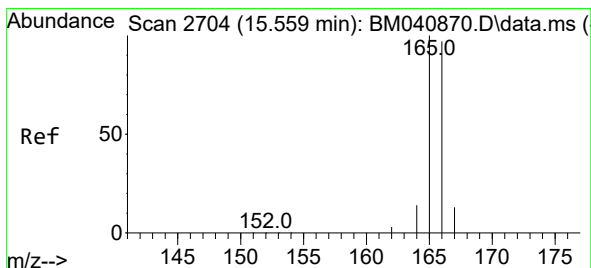
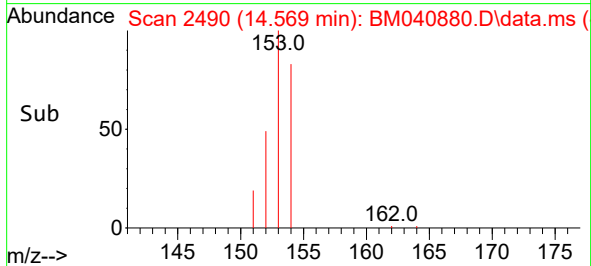
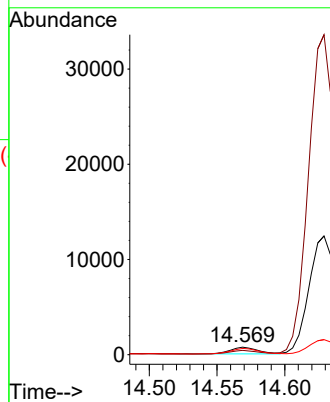
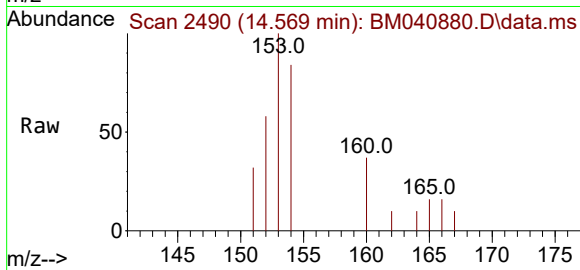
Tgt Ion:153 Resp: 1001

Ion Ratio Lower Upper

153 100

152 57.6 41.0 61.4

154 83.7 70.8 106.2



#12

Fluorene

Concen: 0.040 ng/ul

RT: 15.559 min Scan# 2704

Delta R.T. -0.005 min

Lab File: BM040880.D

Acq: 14 Jul 2023 15:40

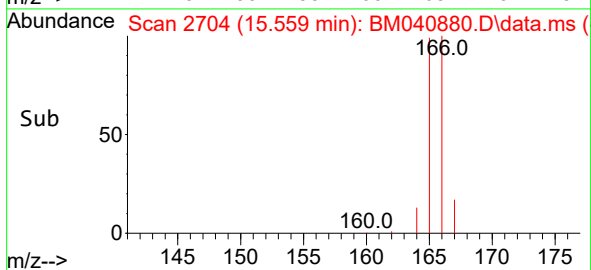
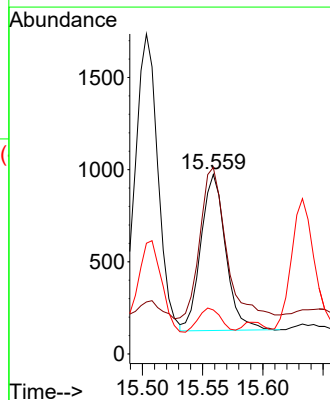
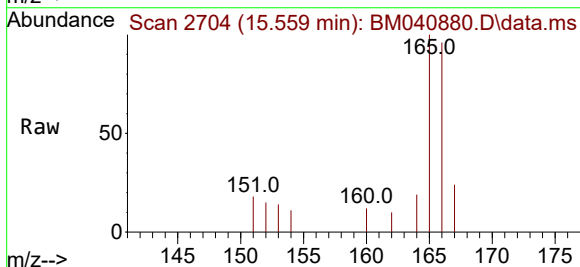
Tgt Ion:166 Resp: 1212

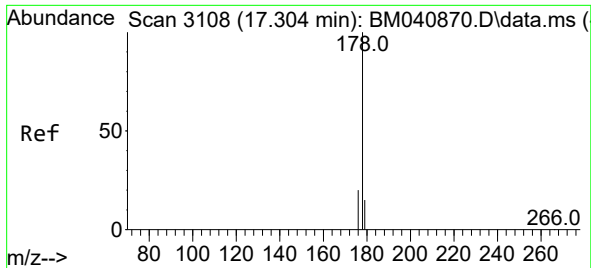
Ion Ratio Lower Upper

166 100

165 103.9 79.6 119.4

167 24.5 11.4 17.0#

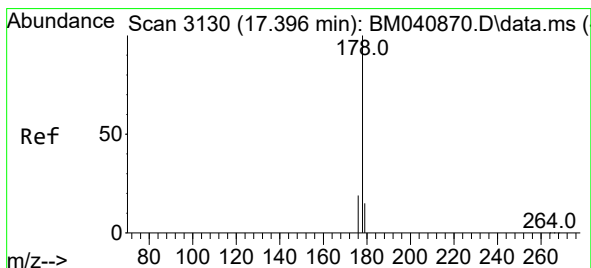
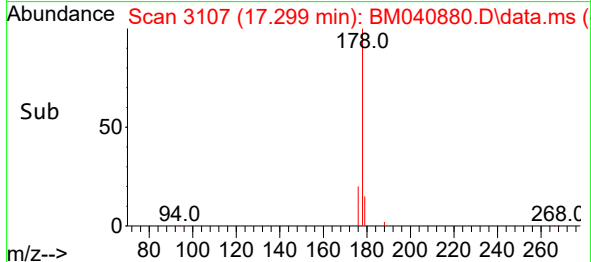
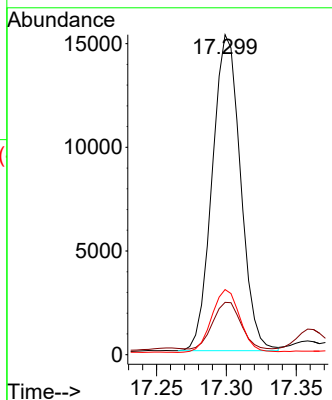
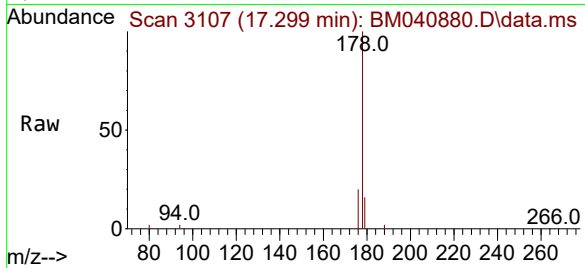




#15
Phenanthrene
Concen: 0.430 ng/ul
RT: 17.299 min Scan# 3107
Delta R.T. -0.008 min
Lab File: BM040880.D
Acq: 14 Jul 2023 15:40

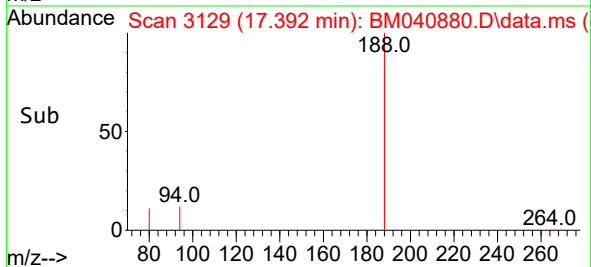
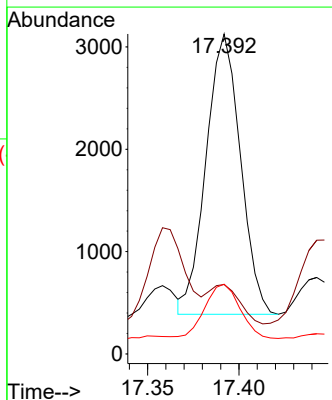
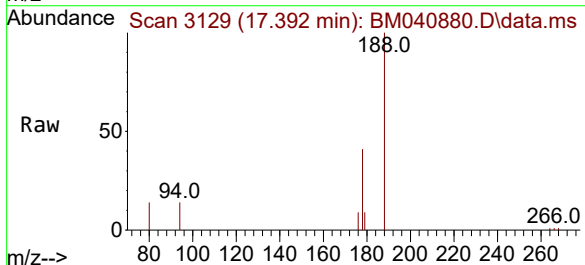
Instrument :
BNA_M
ClientSampleId :
A46K6

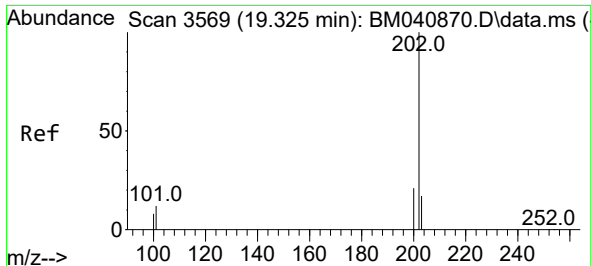
Tgt Ion:178 Resp: 21456
Ion Ratio Lower Upper
178 100
179 16.4 12.8 19.2
176 20.4 16.4 24.6



#16
Anthracene
Concen: 0.085 ng/ul
RT: 17.392 min Scan# 3129
Delta R.T. -0.008 min
Lab File: BM040880.D
Acq: 14 Jul 2023 15:40

Tgt Ion:178 Resp: 3582
Ion Ratio Lower Upper
178 100
179 21.7 12.9 19.3#
176 21.8 15.8 23.6

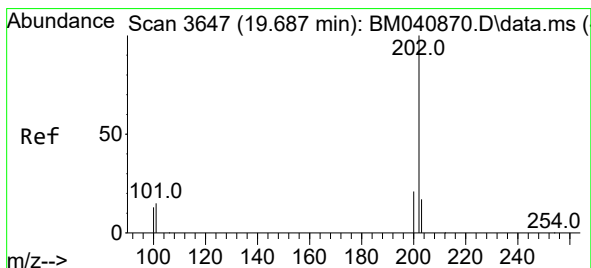
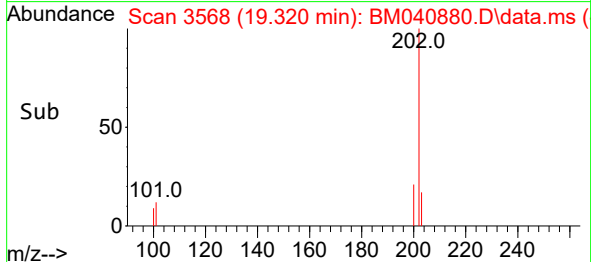
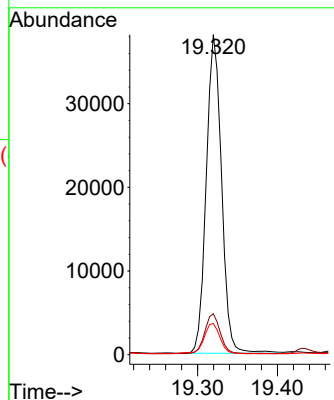
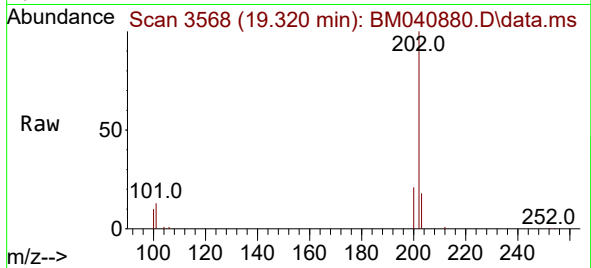




#19
Fluoranthene
Concen: 1.293 ng/ul
RT: 19.320 min Scan# 3568
Delta R.T. -0.009 min
Lab File: BM040880.D
Acq: 14 Jul 2023 15:40

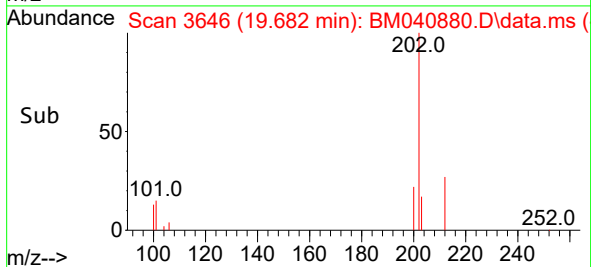
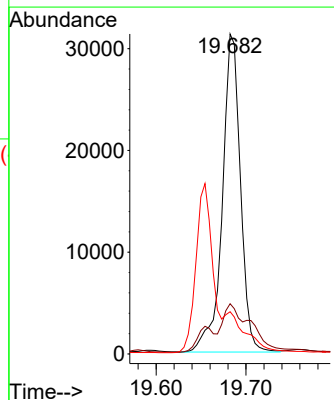
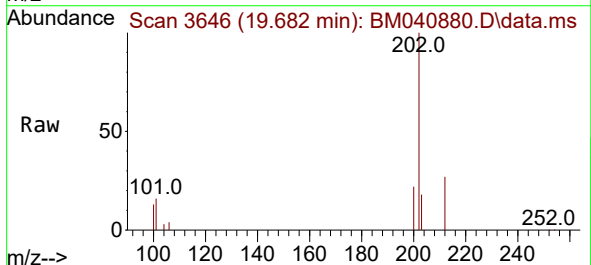
Instrument :
BNA_M
ClientSampleId :
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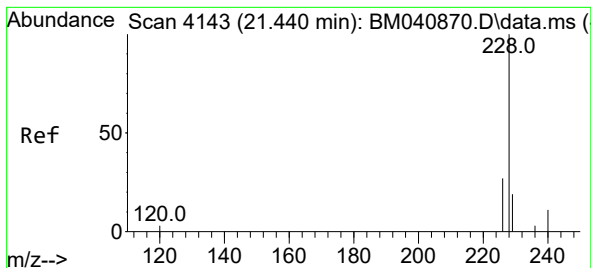
Tgt Ion:202 Resp: 50640
Ion Ratio Lower Upper
202 100
101 12.8 11.4 17.0
100 9.7 8.7 13.1



#20
Pyrene
Concen: 1.041 ng/ul
RT: 19.682 min Scan# 3646
Delta R.T. -0.009 min
Lab File: BM040880.D
Acq: 14 Jul 2023 15:40

Tgt Ion:202 Resp: 43716
Ion Ratio Lower Upper
202 100
101 15.7 12.6 18.8
100 13.2 9.8 14.6





#21

Benzo(a)anthracene

Concen: 0.573 ng/ul

RT: 21.436 min Scan# 41

Delta R.T. -0.009 min

Lab File: BM040880.D

Acq: 14 Jul 2023 15:40

Instrument :

BNA_M

ClientSampleId :

A46K6

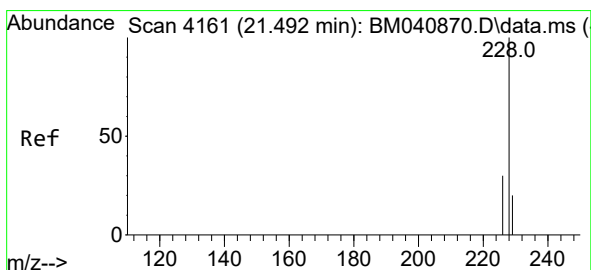
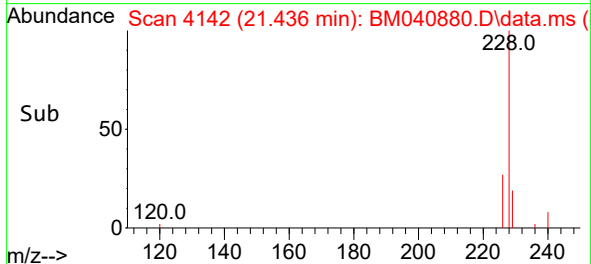
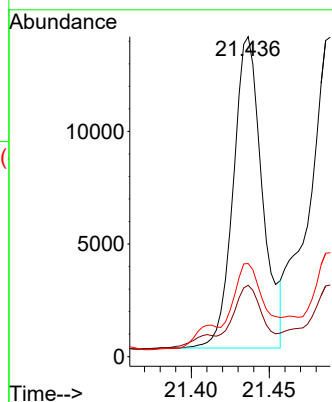
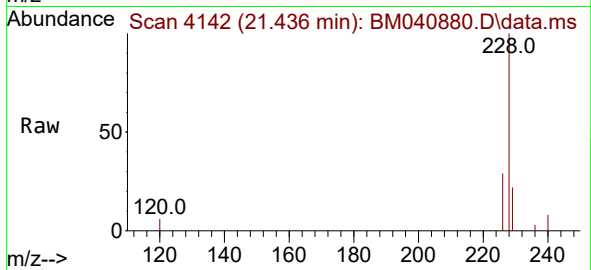
Tgt Ion:228 Resp: 17849

Ion Ratio Lower Upper

228 100

229 22.3 16.0 24.0

226 29.1 22.3 33.5



#22

Chrysene

Concen: 0.611 ng/ul

RT: 21.489 min Scan# 4160

Delta R.T. -0.009 min

Lab File: BM040880.D

Acq: 14 Jul 2023 15:40

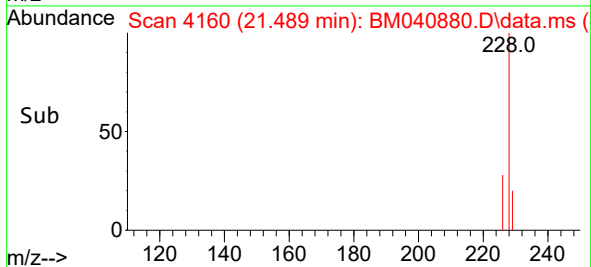
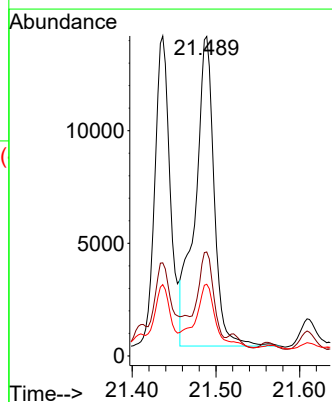
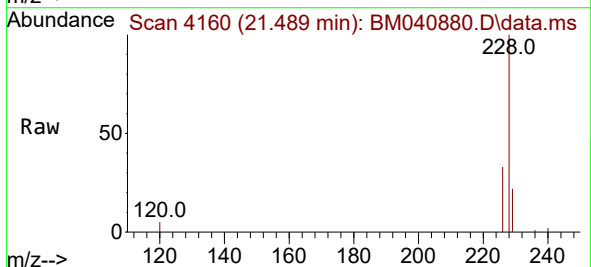
Tgt Ion:228 Resp: 21725

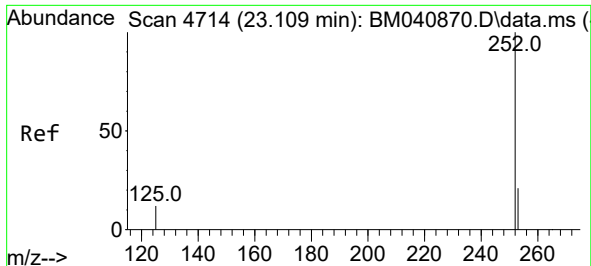
Ion Ratio Lower Upper

228 100

226 32.6 24.9 37.3

229 22.4 15.8 23.6

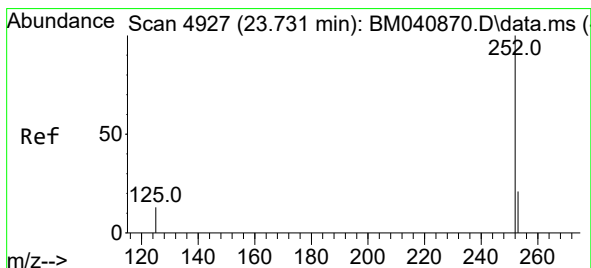
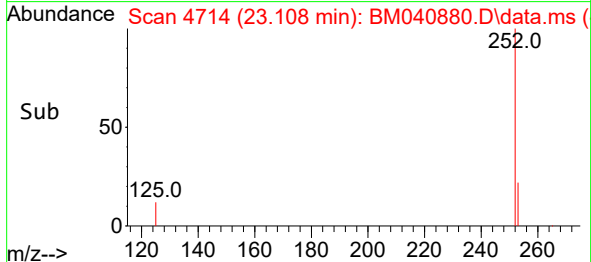
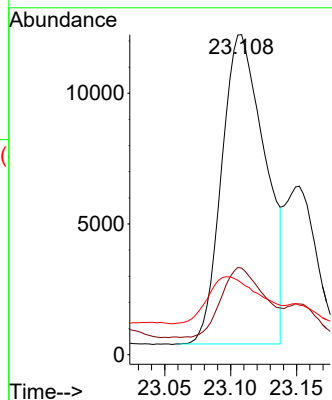
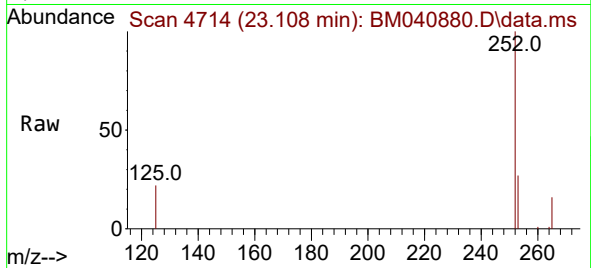




#24
Benzo(b)fluoranthene
Concen: 0.692 ng/ul
RT: 23.108 min Scan# 41
Delta R.T. -0.012 min
Lab File: BM040880.D
Acq: 14 Jul 2023 15:40

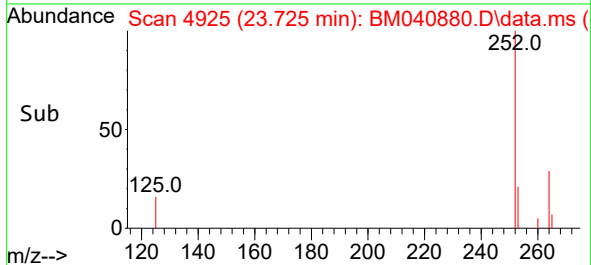
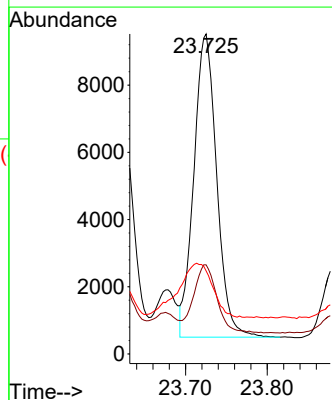
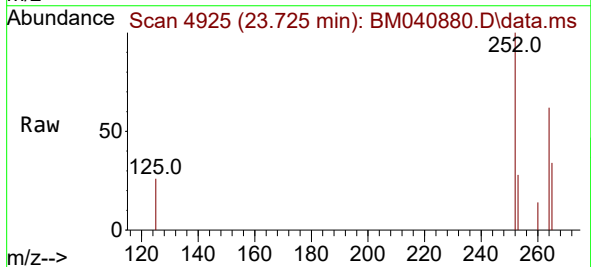
Instrument :
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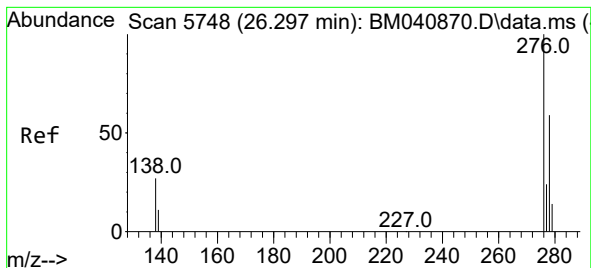
Tgt Ion:252 Resp: 27063
Ion Ratio Lower Upper
252 100
253 27.0 0.0 52.8
125 22.4 0.0 43.0



#26
Benzo(a)pyrene
Concen: 0.498 ng/ul
RT: 23.725 min Scan# 4925
Delta R.T. -0.015 min
Lab File: BM040880.D
Acq: 14 Jul 2023 15:40

Tgt Ion:252 Resp: 17554
Ion Ratio Lower Upper
252 100
253 27.8 22.9 34.3
125 25.9 21.0 31.4





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.292 ng/ul

RT: 26.287 min Scan# 5

Delta R.T. -0.020 min

Lab File: BM040880.D

Acq: 14 Jul 2023 15:40

Instrument :

BNA_M

ClientSampleId :

A46K6

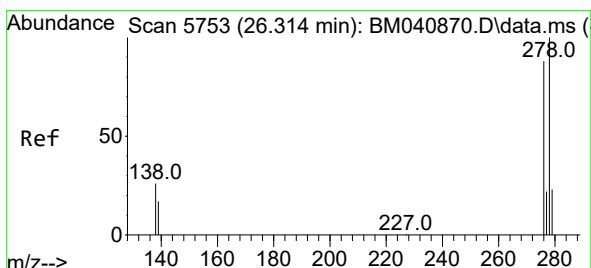
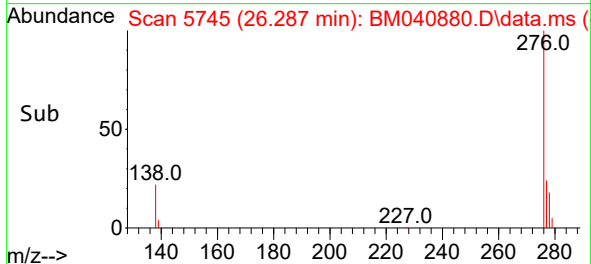
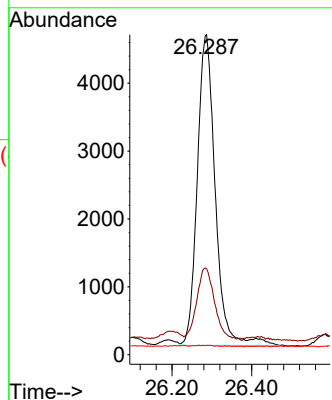
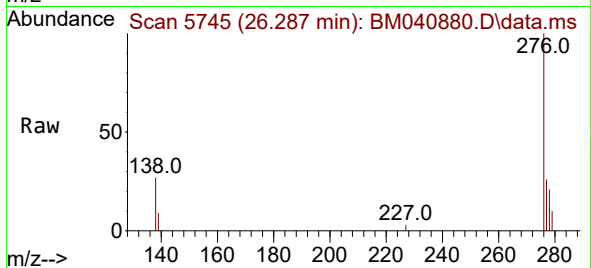
Tgt Ion:276 Resp: 14302

Ion Ratio Lower Upper

276 100

138 22.5 24.5 36.7#

227 0.1 0.1 0.1



#28

Dibenzo(a,h)anthracene

Concen: 0.088 ng/ul

RT: 26.294 min Scan# 5747

Delta R.T. -0.034 min

Lab File: BM040880.D

Acq: 14 Jul 2023 15:40

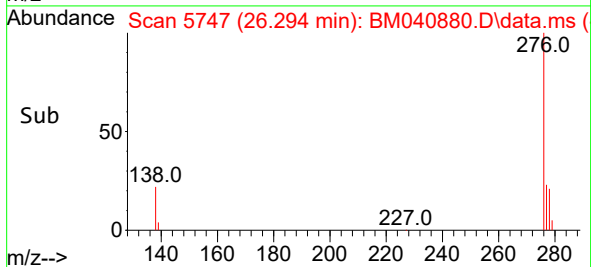
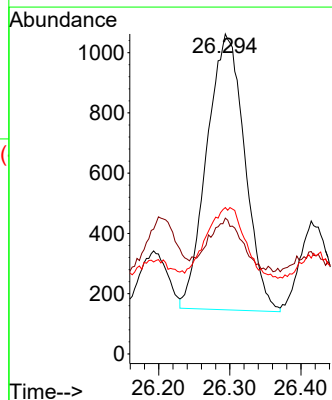
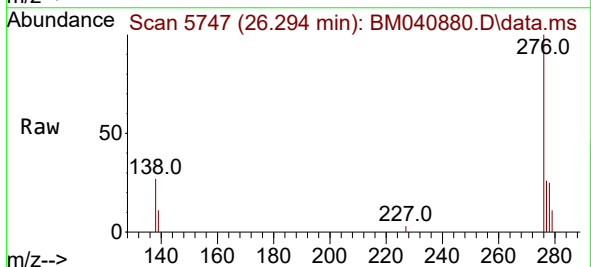
Tgt Ion:278 Resp: 3381

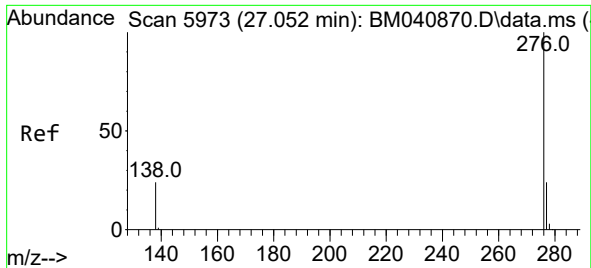
Ion Ratio Lower Upper

278 100

139 42.5 17.9 26.9#

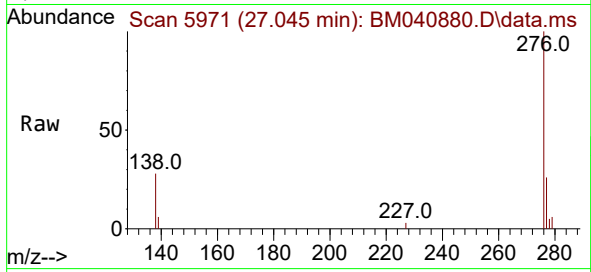
279 45.8 22.0 33.0#





#29
Benzo(g,h,i)perylene
Concen: 0.333 ng/ul
RT: 27.045 min Scan# 51
Delta R.T. -0.023 min
Lab File: BM040880.D
Acq: 14 Jul 2023 15:40

Instrument :
BNA_M
ClientSampleId :
A46K6



Tgt Ion:	276	Resp:	14336
Ion	Ratio	Lower	Upper
276	100		
138	27.6	23.0	34.6
277	25.9	20.3	30.5

