

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062923\
 Data File : BM040439.D
 Acq On : 29 Jun 2023 16:04
 Operator : MA/JU
 Sample : 03143-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFU4

Quant Time: Jun 30 03:06:07 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 Jun 23 00:44:24 2023
 Response via : Initial Calibration

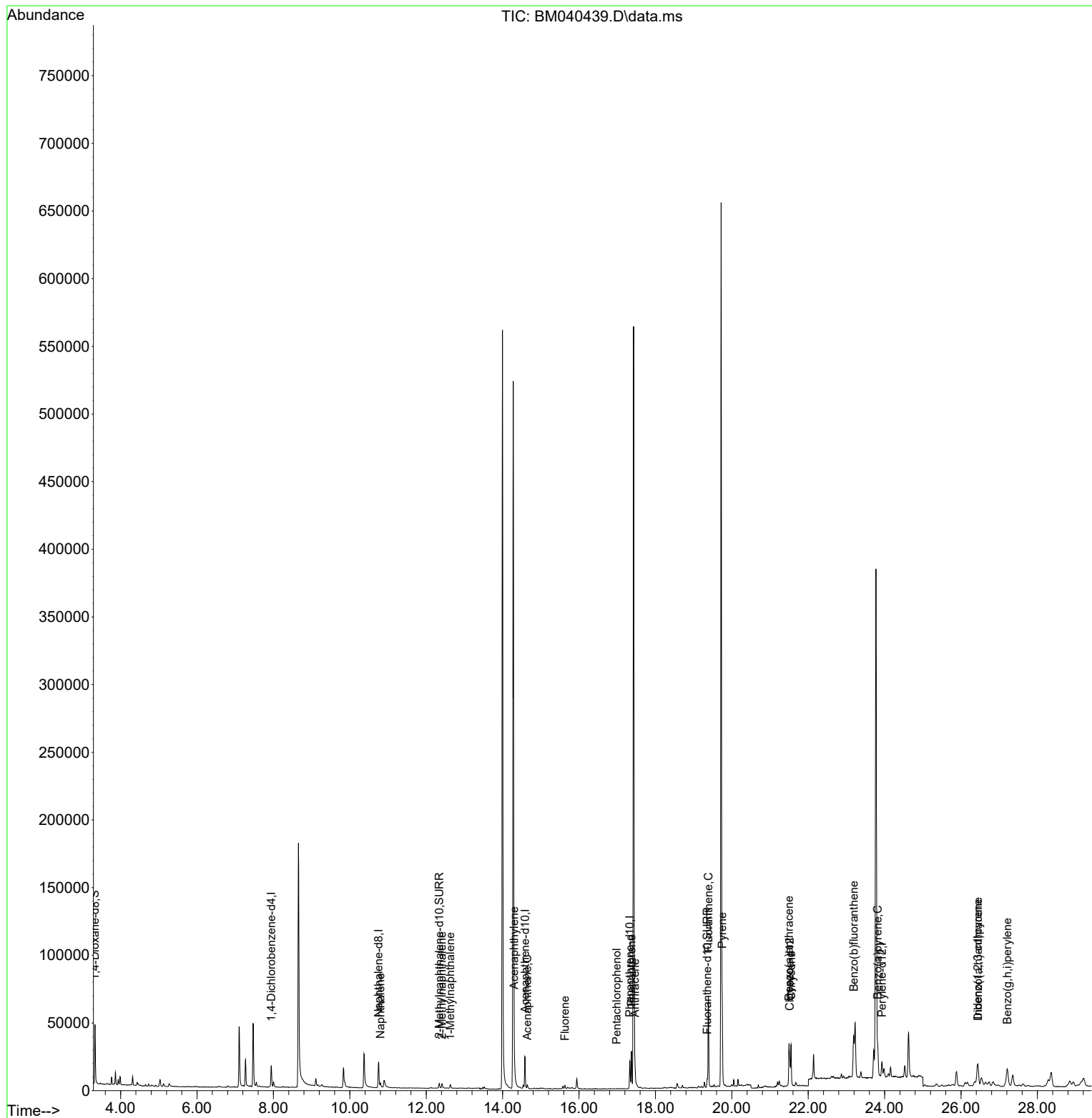
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.944	152	8476	0.400	ng/ul	0.00
4) Naphthalene-d8	10.750	136	29373	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.586	164	13662	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.332	188	24371	0.400	ng/ul	0.00
17) Chrysene-d12	21.512	240	13270	0.400	ng/ul	0.00
23) Perylene-d12	23.929	264	15890	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.329	96	25191	1.892	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.340	152	5534	0.134	ng/ul	-0.01
18) Fluoranthene-d10	19.356	212	6882	0.162	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.800	128	4500	0.056	ng/ul#	86
7) 2-Methylnaphthalene	12.411	142	2810	0.059	ng/ul	96
8) 1-Methylnaphthalene	12.631	142	2073	0.044	ng/ul	97
10) Acenaphthylene	14.304	152	4228	0.069	ng/ul#	89
11) Acenaphthene	14.646	153	1595	0.031	ng/ul	95
12) Fluorene	15.632	166	1694	0.031	ng/ul#	91
14) Pentachlorophenol	16.986	266	146	0.031	ng/ul#	84
15) Phenanthrene	17.370	178	30681	0.405	ng/ul	99
16) Anthracene	17.463	178	6223	0.098	ng/ul#	93
19) Fluoranthene	19.384	202	58444	1.037	ng/ul	98
20) Pyrene	19.747	202	46308	0.766	ng/ul	99
21) Benzo(a)anthracene	21.494	228	25021	0.557	ng/ul	95
22) Chrysene	21.550	228	35287	0.689	ng/ul	96
24) Benzo(b)fluoranthene	23.192	252	53448	0.869	ng/ul	95
26) Benzo(a)pyrene	23.818	252	30374	0.548	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.437	276	30065	0.390	ng/ul#	79
28) Dibenzo(a,h)anthracene	26.444	278	7627	0.126	ng/ul#	60
29) Benzo(g,h,i)perylene	27.212	276	30084	0.445	ng/ul	96

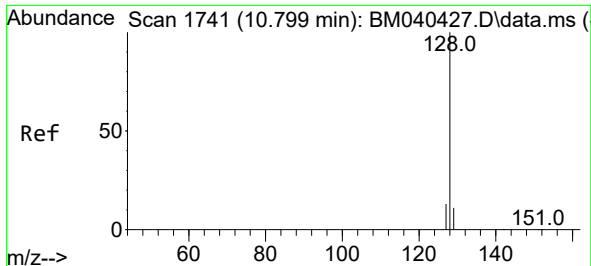
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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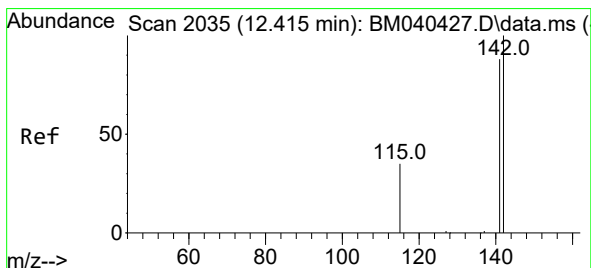
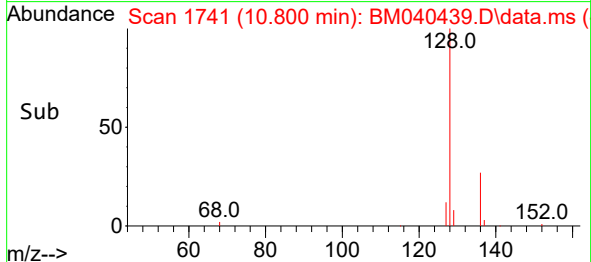
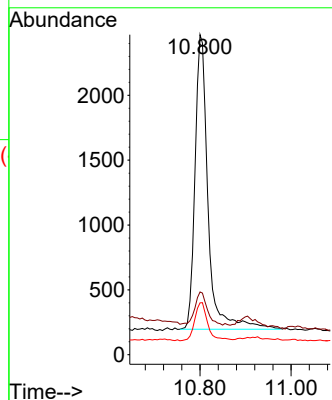
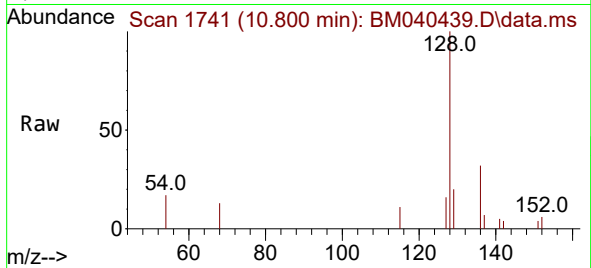




#5
Naphthalene
Concen: 0.056 ng/ul
RT: 10.800 min Scan# 1741
Delta R.T. -0.011 min
Lab File: BM040439.D
Acq: 29 Jun 2023 16:04

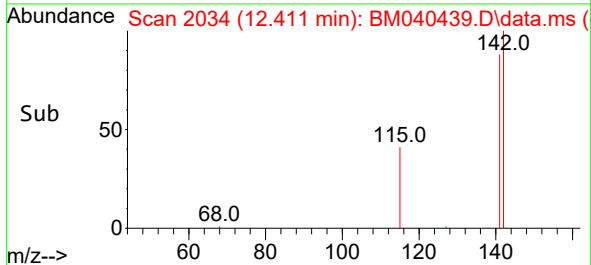
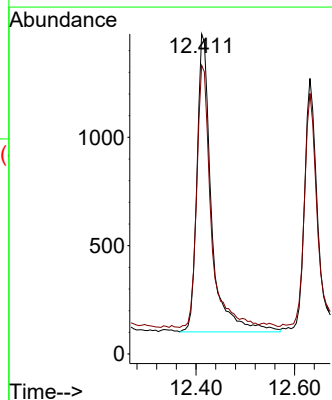
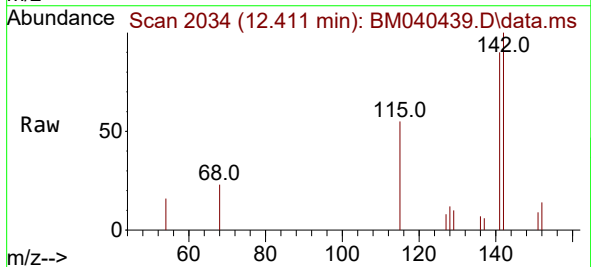
Instrument :
BNA_M
ClientSampleId :
DCFU4

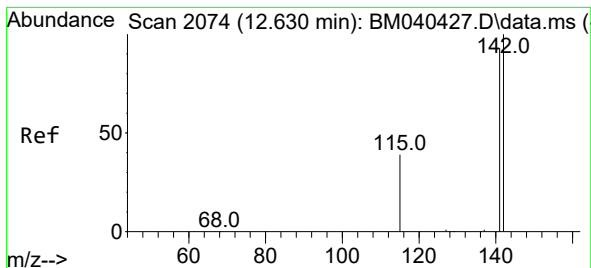
Tgt Ion:128 Resp: 4500
Ion Ratio Lower Upper
128 100
129 19.6 9.2 13.8#
127 16.2 10.6 15.8#



#7
2-Methylnaphthalene
Concen: 0.059 ng/ul
RT: 12.411 min Scan# 2034
Delta R.T. -0.011 min
Lab File: BM040439.D
Acq: 29 Jun 2023 16:04

Tgt Ion:142 Resp: 2810
Ion Ratio Lower Upper
142 100
141 86.4 71.9 107.9





#8

1-Methylnaphthalene

Concen: 0.044 ng/ul

RT: 12.631 min Scan# 2074

Delta R.T. -0.011 min

Lab File: BM040439.D

Acq: 29 Jun 2023 16:04

Instrument :

BNA_M

ClientSampleId :

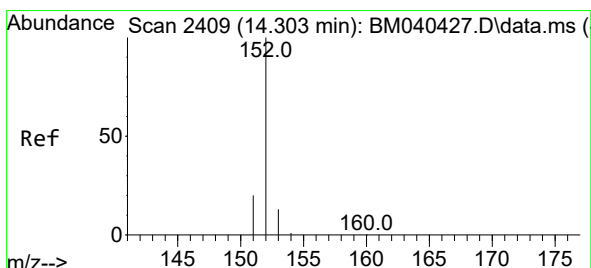
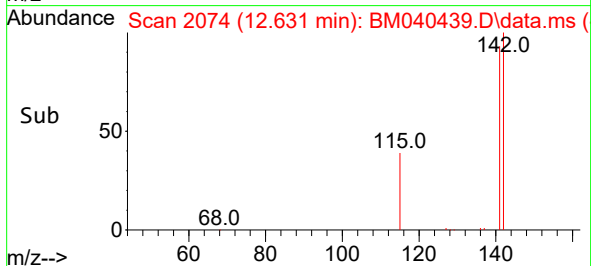
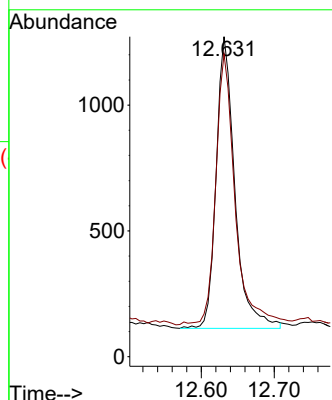
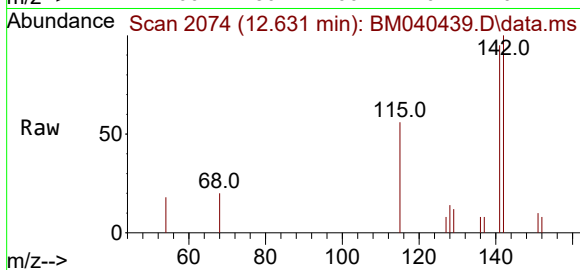
DCFU4

Tgt Ion:142 Resp: 2073

Ion Ratio Lower Upper

142 100

141 95.1 73.7 110.5



#10

Acenaphthylene

Concen: 0.069 ng/ul

RT: 14.304 min Scan# 2409

Delta R.T. -0.009 min

Lab File: BM040439.D

Acq: 29 Jun 2023 16:04

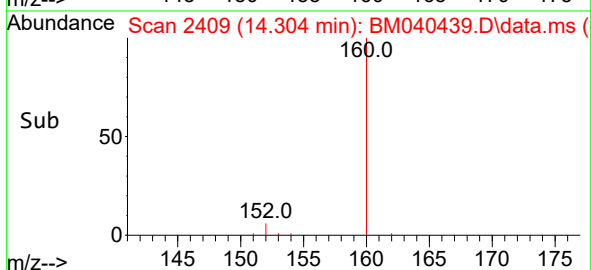
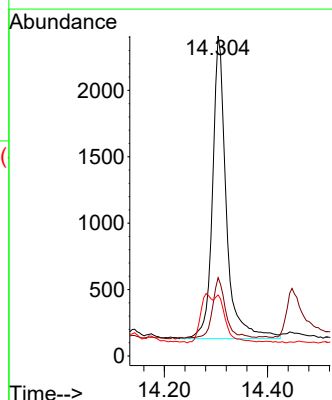
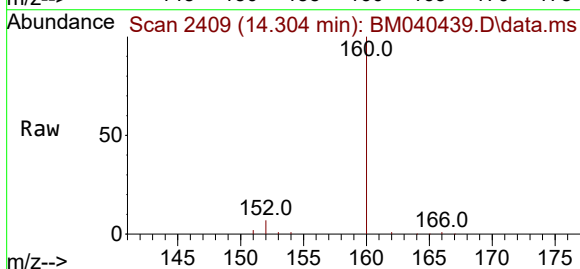
Tgt Ion:152 Resp: 4228

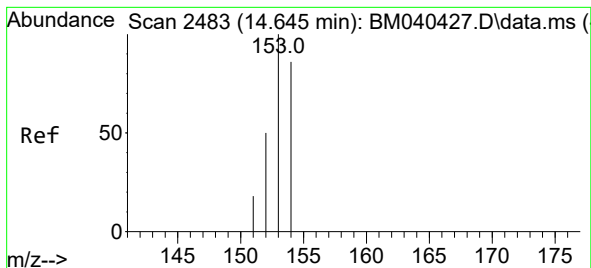
Ion Ratio Lower Upper

152 100

151 24.5 16.2 24.2#

153 19.0 10.9 16.3#





#11

Acenaphthene

Concen: 0.031 ng/ul

RT: 14.646 min Scan# 2483

Delta R.T. -0.009 min

Lab File: BM040439.D

Acq: 29 Jun 2023 16:04

Instrument :

BNA_M

ClientSampleId :

DCFU4

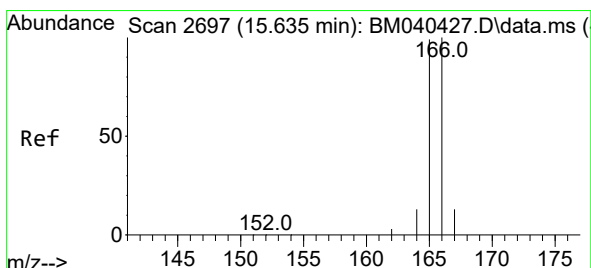
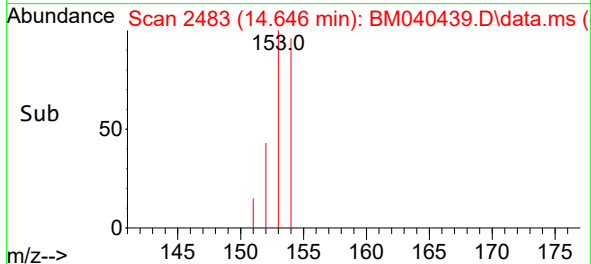
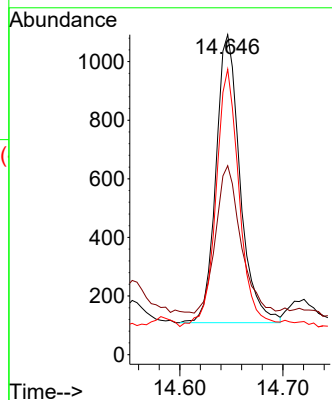
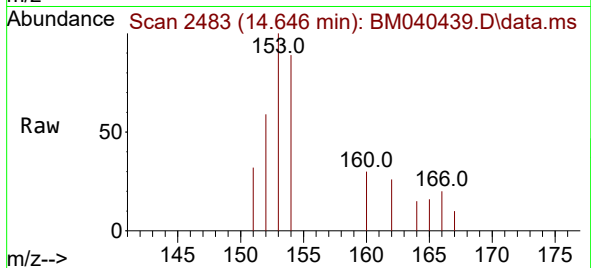
Tgt Ion:153 Resp: 1595

Ion Ratio Lower Upper

153 100

152 59.1 41.0 61.4

154 89.2 70.8 106.2



#12

Fluorene

Concen: 0.031 ng/ul

RT: 15.632 min Scan# 2696

Delta R.T. -0.009 min

Lab File: BM040439.D

Acq: 29 Jun 2023 16:04

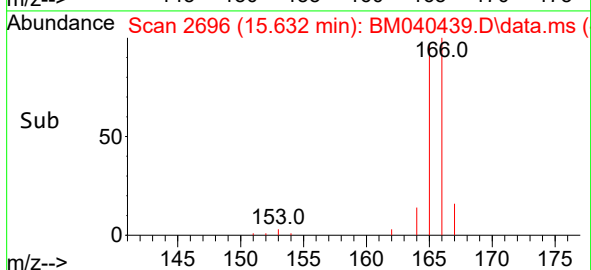
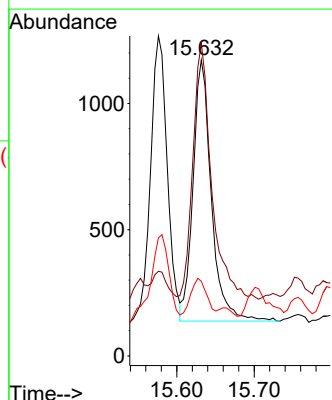
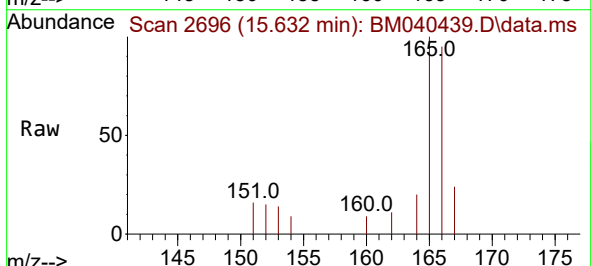
Tgt Ion:166 Resp: 1694

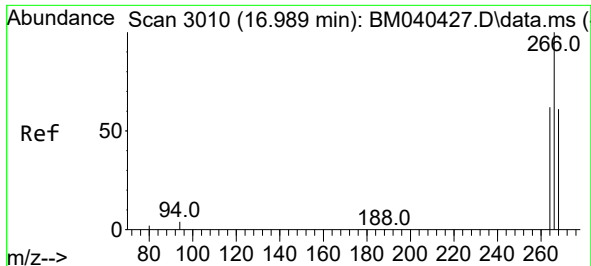
Ion Ratio Lower Upper

166 100

165 105.6 79.6 119.4

167 25.3 11.4 17.0#

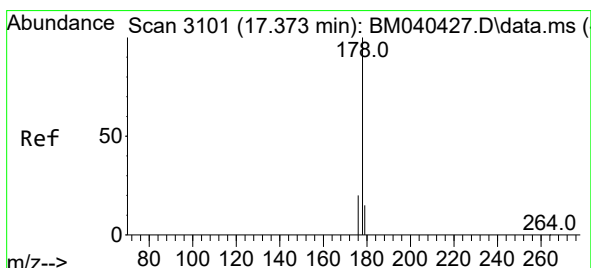
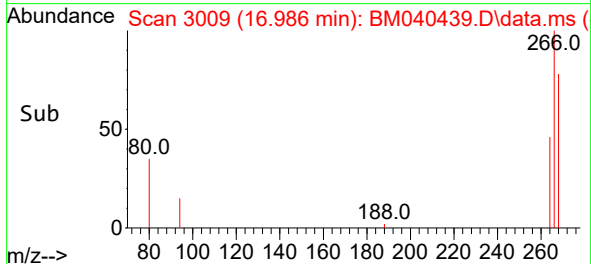
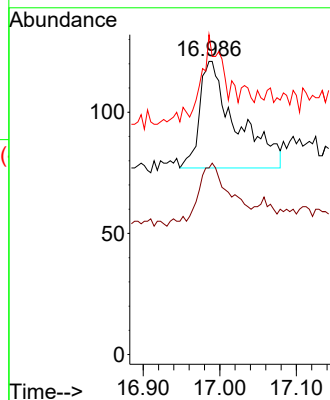
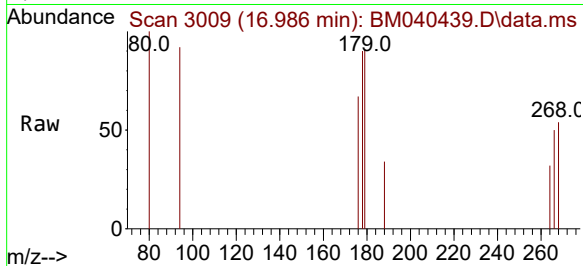




#14
Pentachlorophenol
Concen: 0.031 ng/ul
RT: 16.986 min Scan# 3010
Delta R.T. -0.025 min
Lab File: BM040439.D
Acq: 29 Jun 2023 16:04

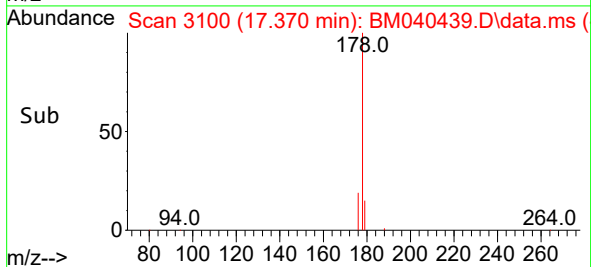
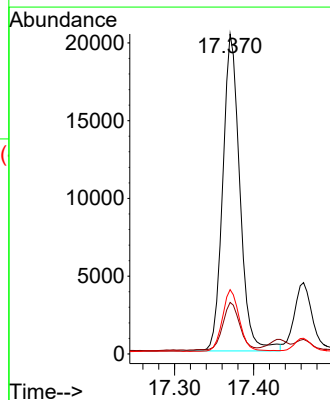
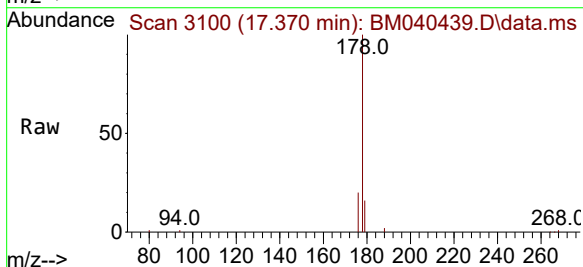
Instrument :
BNA_M
ClientSampleId :
DCFU4

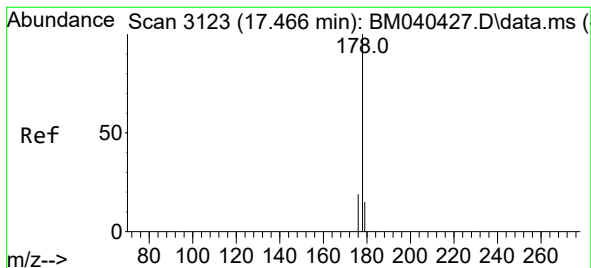
Tgt Ion:266 Resp: 146
Ion Ratio Lower Upper
266 100
264 47.3 45.4 68.0
268 45.2 47.2 70.8#



#15
Phenanthrene
Concen: 0.405 ng/ul
RT: 17.370 min Scan# 3100
Delta R.T. -0.009 min
Lab File: BM040439.D
Acq: 29 Jun 2023 16:04

Tgt Ion:178 Resp: 30681
Ion Ratio Lower Upper
178 100
179 16.1 12.8 19.2
176 20.1 16.4 24.6





#16

Anthracene

Concen: 0.098 ng/ul

RT: 17.463 min Scan# 3123

Delta R.T. -0.009 min

Lab File: BM040439.D

Acq: 29 Jun 2023 16:04

Instrument :

BNA_M

ClientSampleId :

DCFU4

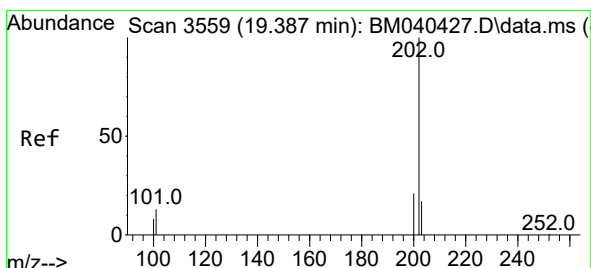
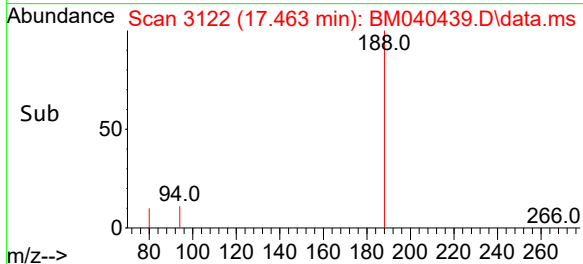
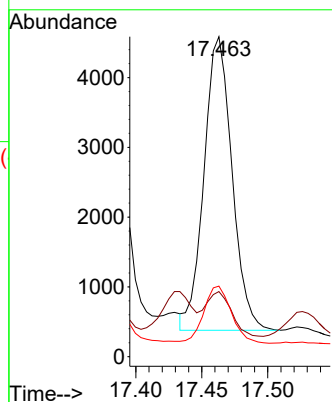
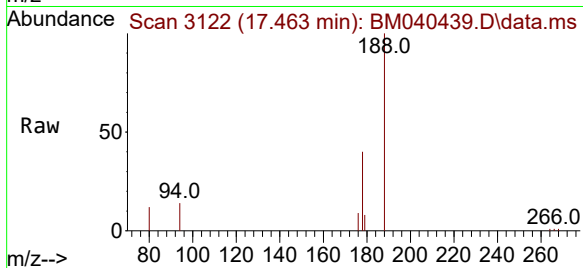
Tgt Ion:178 Resp: 6223

Ion Ratio Lower Upper

178 100

179 20.3 12.9 19.3#

176 22.0 15.8 23.6



#19

Fluoranthene

Concen: 1.037 ng/ul

RT: 19.384 min Scan# 3558

Delta R.T. -0.005 min

Lab File: BM040439.D

Acq: 29 Jun 2023 16:04

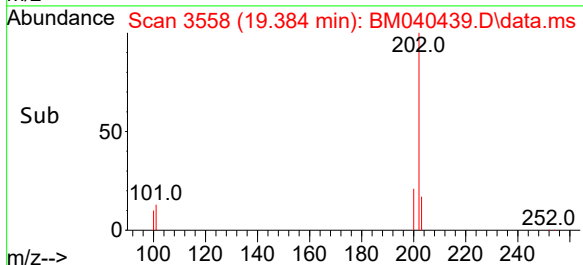
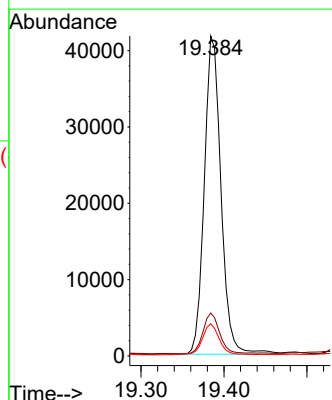
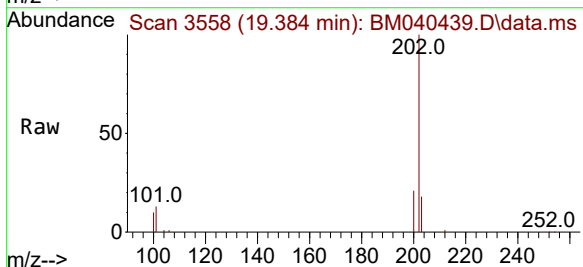
Tgt Ion:202 Resp: 58444

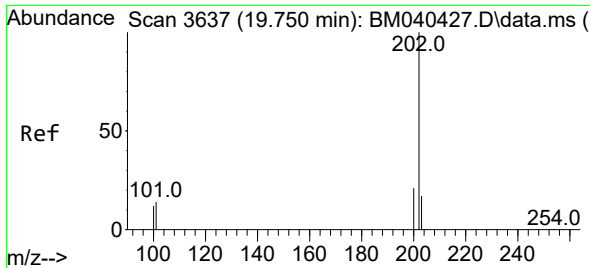
Ion Ratio Lower Upper

202 100

101 13.4 11.4 17.0

100 10.0 8.7 13.1

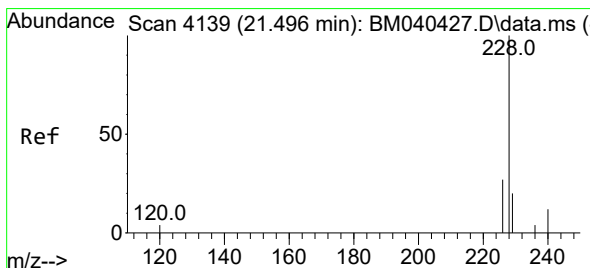
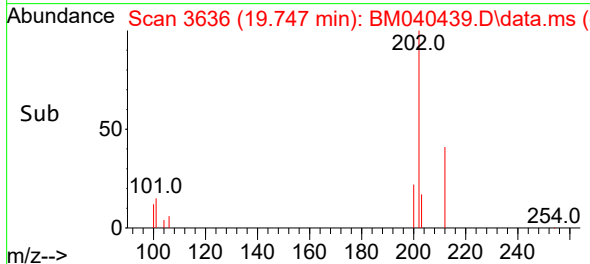
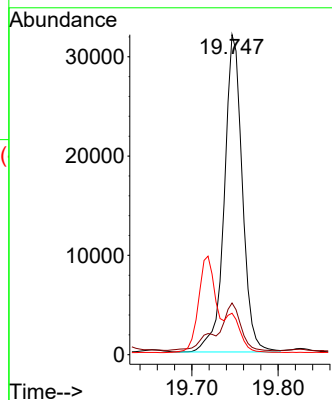
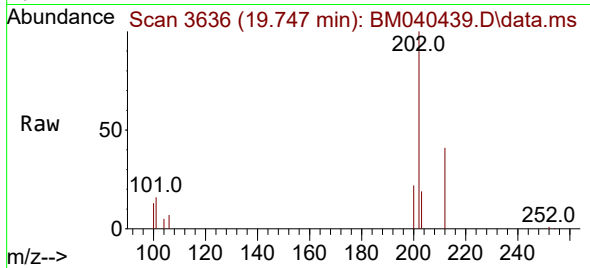




#20
Pyrene
Concen: 0.766 ng/ul
RT: 19.747 min Scan# 3636
Delta R.T. -0.009 min
Lab File: BM040439.D
Acq: 29 Jun 2023 16:04

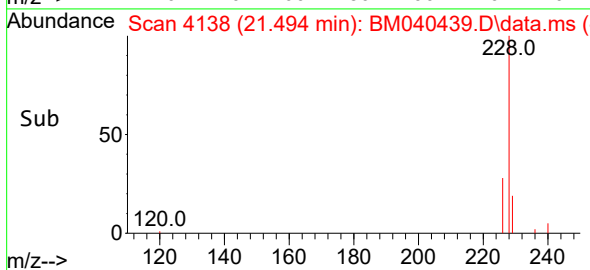
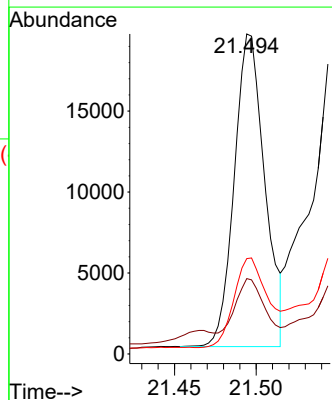
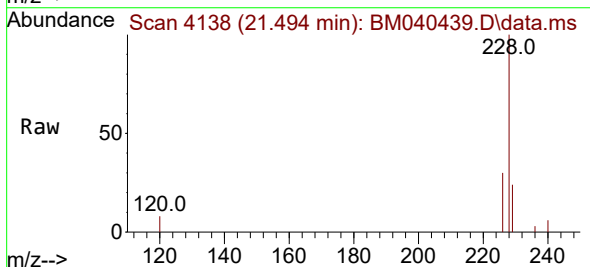
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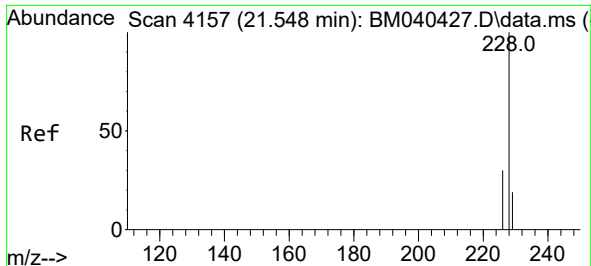
Tgt Ion:202 Resp: 46308
Ion Ratio Lower Upper
202 100
101 16.1 12.6 18.8
100 12.9 9.8 14.6



#21
Benzo(a)anthracene
Concen: 0.557 ng/ul
RT: 21.494 min Scan# 4138
Delta R.T. -0.006 min
Lab File: BM040439.D
Acq: 29 Jun 2023 16:04

Tgt Ion:228 Resp: 25021
Ion Ratio Lower Upper
228 100
229 23.5 16.0 24.0
226 29.8 22.3 33.5





#22

Chrysene

Concen: 0.689 ng/ul

RT: 21.550 min Scan# 41

Delta R.T. -0.003 min

Lab File: BM040439.D

Acq: 29 Jun 2023 16:04

Instrument :

BNA_M

ClientSampleId :

DCFU4

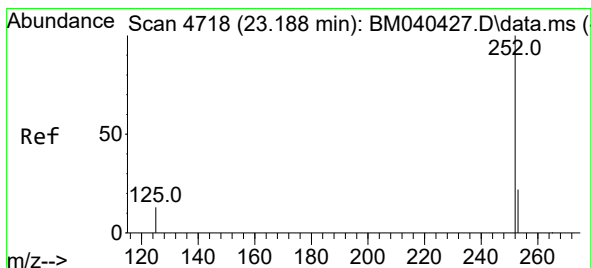
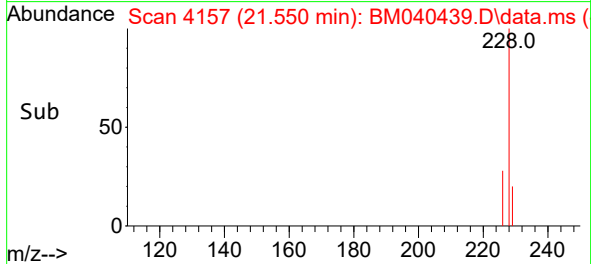
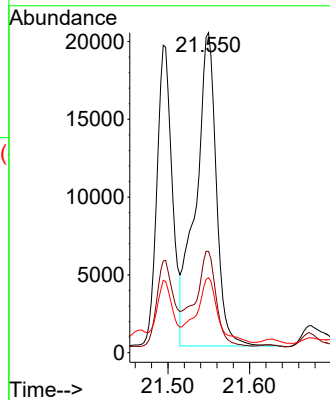
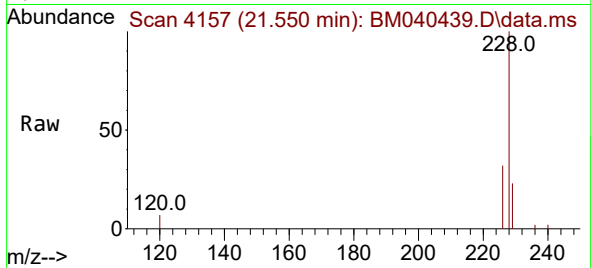
Tgt Ion:228 Resp: 35287

Ion Ratio Lower Upper

228 100

226 31.7 24.9 37.3

229 23.4 15.8 23.6



#24

Benzo(b)fluoranthene

Concen: 0.869 ng/ul

RT: 23.192 min Scan# 4719

Delta R.T. -0.000 min

Lab File: BM040439.D

Acq: 29 Jun 2023 16:04

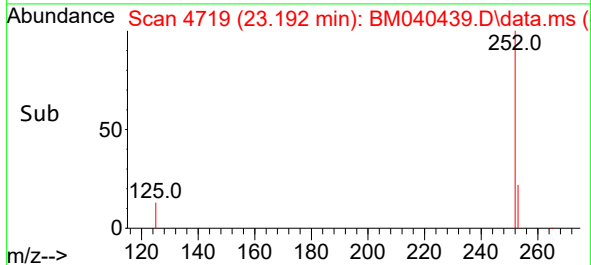
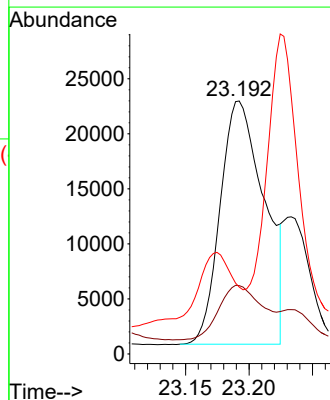
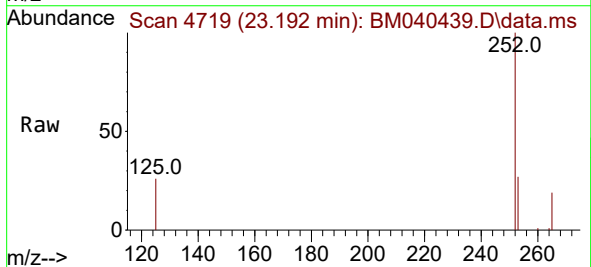
Tgt Ion:252 Resp: 53448

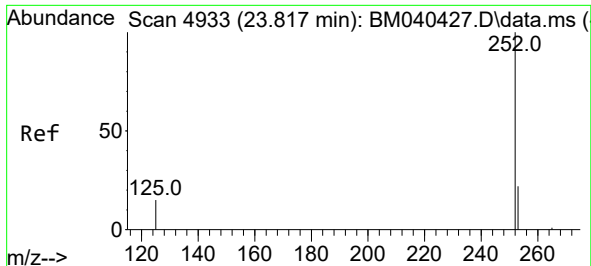
Ion Ratio Lower Upper

252 100

253 27.0 0.0 52.8

125 26.4 0.0 43.0

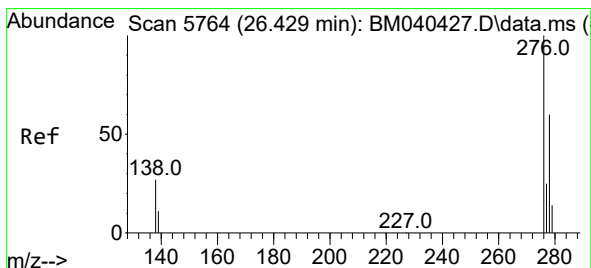
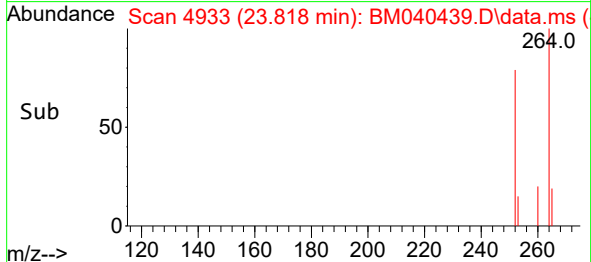
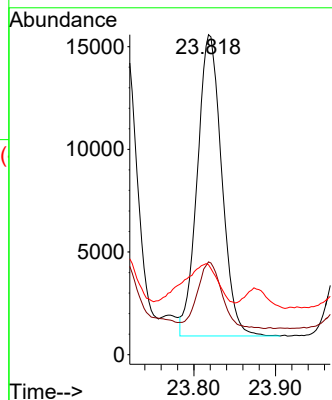
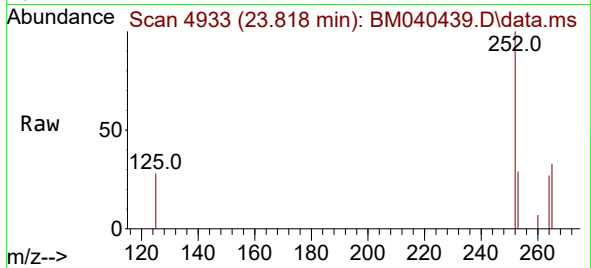




#26
Benzo(a)pyrene
Concen: 0.548 ng/ul
RT: 23.818 min Scan# 4933
Delta R.T. -0.006 min
Lab File: BM040439.D
Acq: 29 Jun 2023 16:04

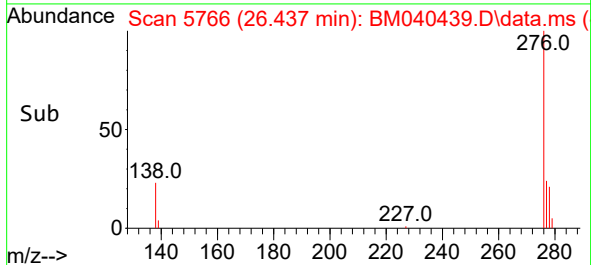
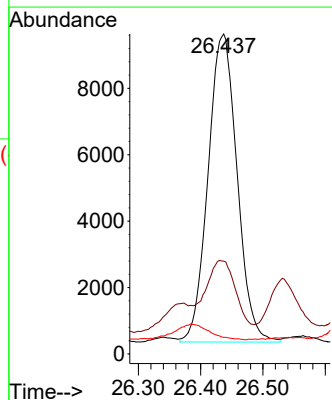
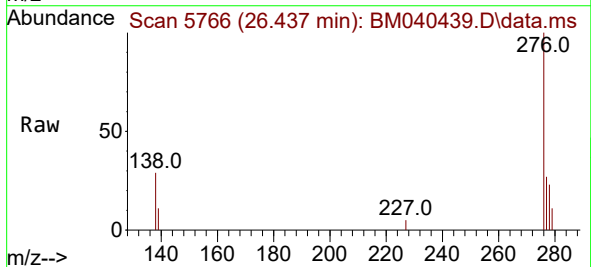
Instrument :
BNA_M
ClientSampleId :
DCFU4

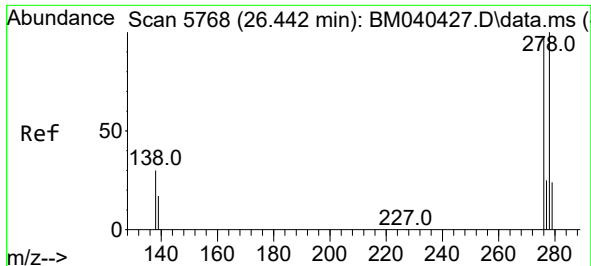
Tgt Ion:252 Resp: 30374
Ion Ratio Lower Upper
252 100
253 29.0 22.9 34.3
125 28.1 21.0 31.4



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.390 ng/ul
RT: 26.437 min Scan# 5766
Delta R.T. 0.003 min
Lab File: BM040439.D
Acq: 29 Jun 2023 16:04

Tgt Ion:276 Resp: 30065
Ion Ratio Lower Upper
276 100
138 19.2 24.5 36.7#
227 0.0 0.1 0.1#

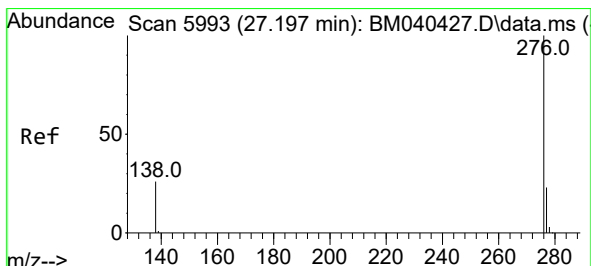
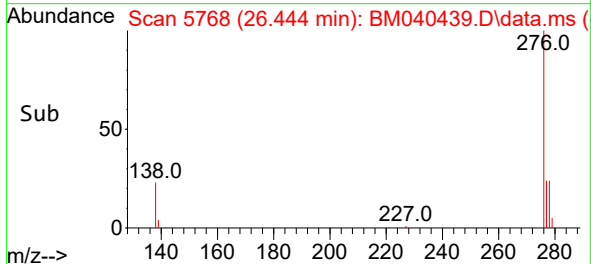
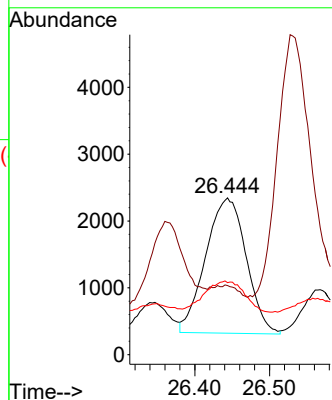
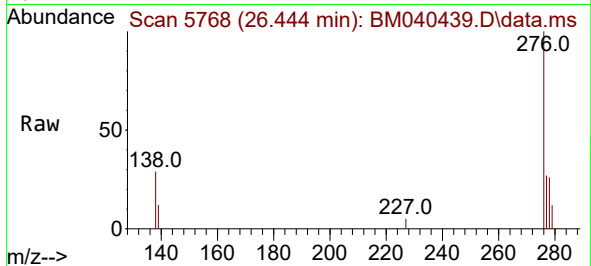




#28
Dibenzo(a,h)anthracene
Concen: 0.126 ng/ul
RT: 26.444 min Scan# 51
Delta R.T. -0.010 min
Lab File: BM040439.D
Acq: 29 Jun 2023 16:04

Instrument :
BNA_M
ClientSampleId :
DCFU4

Tgt Ion:278 Resp: 7627
Ion Ratio Lower Upper
278 100
139 44.1 17.9 26.9#
279 45.9 22.0 33.0#



#29
Benzo(g,h,i)perylene
Concen: 0.445 ng/ul
RT: 27.212 min Scan# 5997
Delta R.T. 0.007 min
Lab File: BM040439.D
Acq: 29 Jun 2023 16:04

Tgt Ion:276 Resp: 30084
Ion Ratio Lower Upper
276 100
138 32.0 23.0 34.6
277 26.4 20.3 30.5

