

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041083.D
 Acq On : 24 Jul 2023 20:04
 Operator : MA/JU
 Sample : 03534-21
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4727

Quant Time: Jul 25 00:30:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 00:13:11 2023
 Response via : Initial Calibration

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

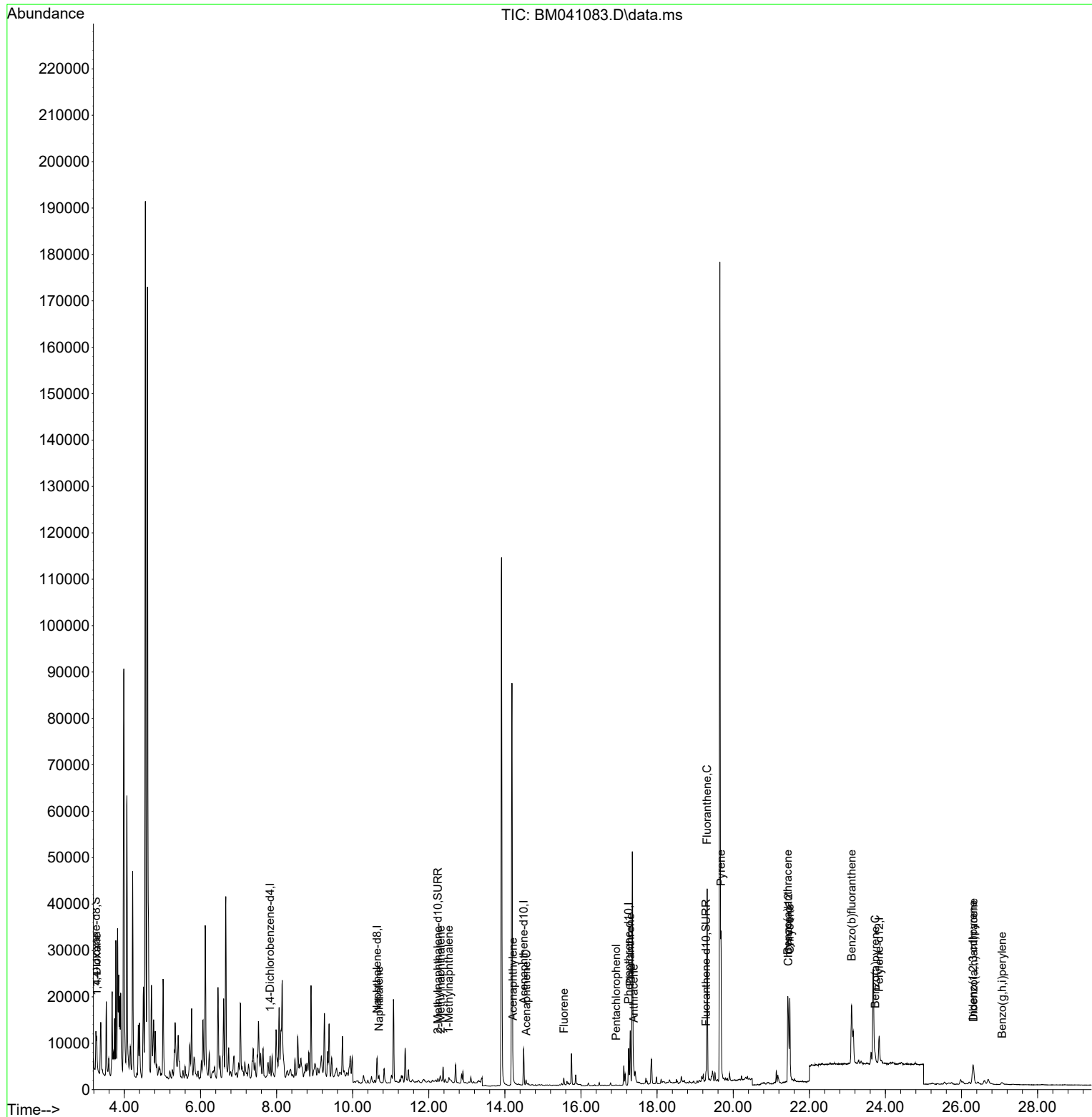
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.832	152	2530	0.400	ng/ul	0.00
4) Naphthalene-d8	10.642	136	8010	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.495	164	4326	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.253	188	9928	0.400	ng/ul	0.00
17) Chrysene-d12	21.448	240	9758	0.400	ng/ul	0.00
23) Perylene-d12	23.833	264	8415	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.254	96	5306	1.359	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.236	152	1116	0.098	ng/ul	-0.01
18) Fluoranthene-d10	19.287	212	2498	0.094	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.276	88	1173	0.294	ng/ul#	1
5) Naphthalene	10.691	128	2334	0.090	ng/ul#	87
7) 2-Methylnaphthalene	12.313	142	585	0.046	ng/ul	98
8) 1-Methylnaphthalene	12.528	142	546	0.042	ng/ul	97
10) Acenaphthylene	14.213	152	1266	0.069	ng/ul#	78
11) Acenaphthene	14.560	153	1077	0.070	ng/ul	97
12) Fluorene	15.550	166	976	0.058	ng/ul#	91
14) Pentachlorophenol	16.924	266	94	0.033	ng/ul#	78
15) Phenanthrene	17.295	178	12546	0.410	ng/ul	100
16) Anthracene	17.388	178	1534	0.062	ng/ul#	81
19) Fluoranthene	19.315	202	36100	1.032	ng/ul	99
20) Pyrene	19.678	202	26065	0.676	ng/ul	99
21) Benzo(a)anthracene	21.434	228	15323	0.470	ng/ul	97
22) Chrysene	21.486	228	18442	0.489	ng/ul	97
24) Benzo(b)fluoranthene	23.111	252	21796	0.650	ng/ul	98
26) Benzo(a)pyrene	23.731	252	2332	0.086	ng/ul#	32
27) Indeno(1,2,3-cd)pyrene	26.304	276	7600	0.189	ng/ul#	93
28) Dibenzo(a,h)anthracene	26.314	278	2851	0.090	ng/ul#	58
29) Benzo(g,h,i)perylene	27.065	276	1065	0.030	ng/ul#	44

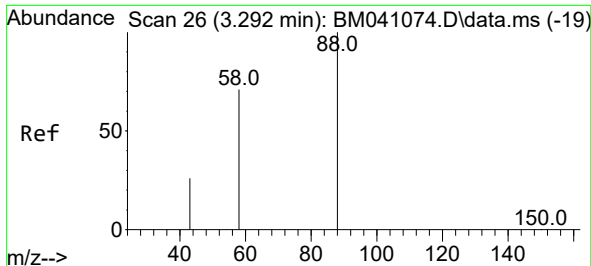
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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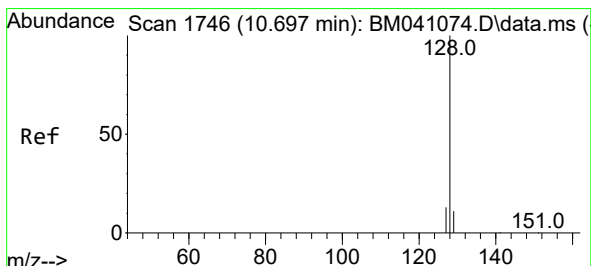
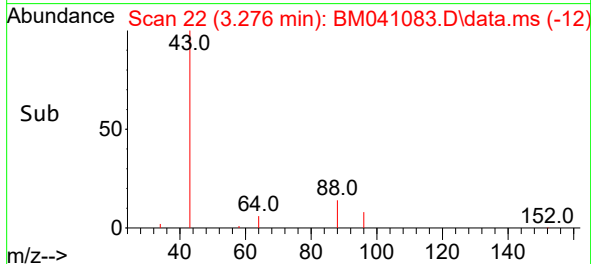
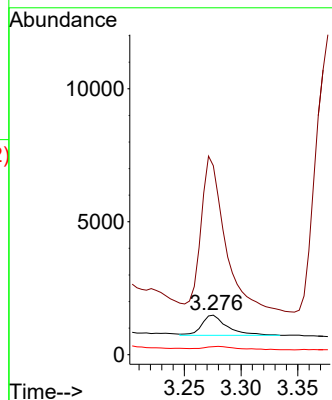
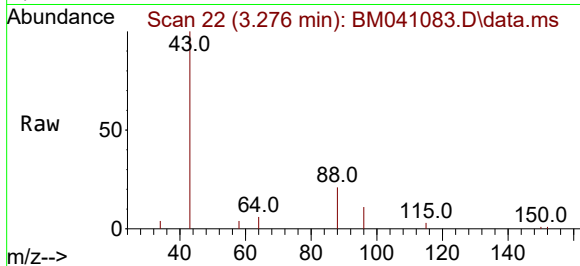




#2
1,4-Dioxane
Concen: 0.294 ng/ul
RT: 3.276 min Scan# 21
Delta R.T. -0.017 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

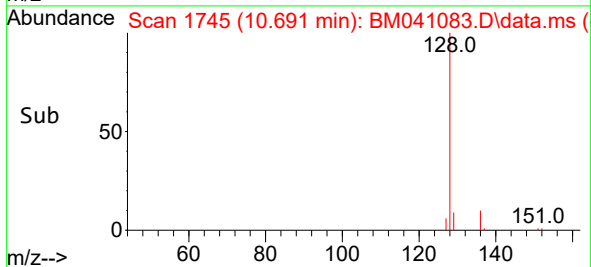
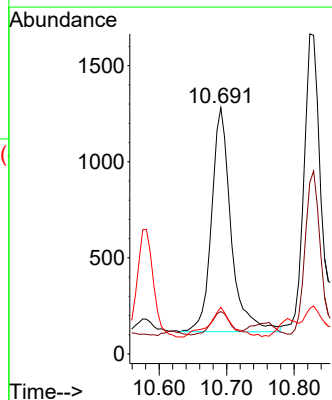
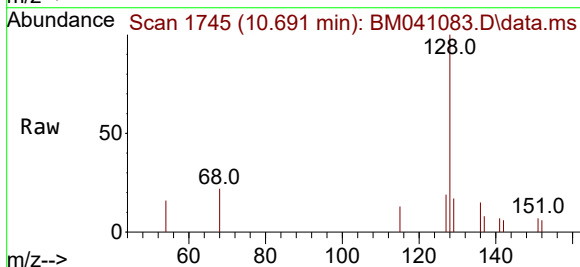
Instrument :
BNA_M
ClientSampleId :
A4727

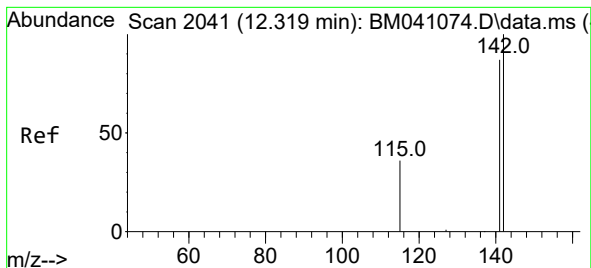
Tgt Ion: 88 Resp: 1173
Ion Ratio Lower Upper
88 100
43 477.8 83.1 124.7#
58 20.1 38.8 58.2#



#5
Naphthalene
Concen: 0.090 ng/ul
RT: 10.691 min Scan# 1745
Delta R.T. -0.005 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

Tgt Ion: 128 Resp: 2334
Ion Ratio Lower Upper
128 100
129 17.3 9.8 14.8#
127 19.0 11.1 16.7#

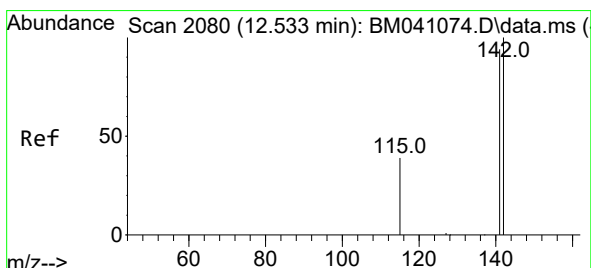
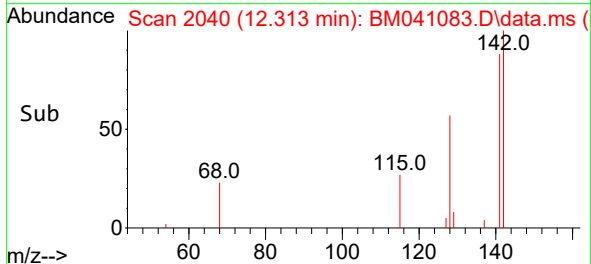
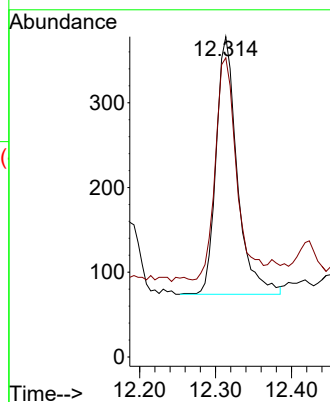
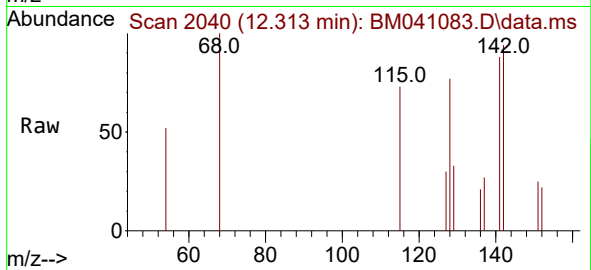




#7
2-Methylnaphthalene
Concen: 0.046 ng/ul
RT: 12.313 min Scan# 2040
Delta R.T. -0.005 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

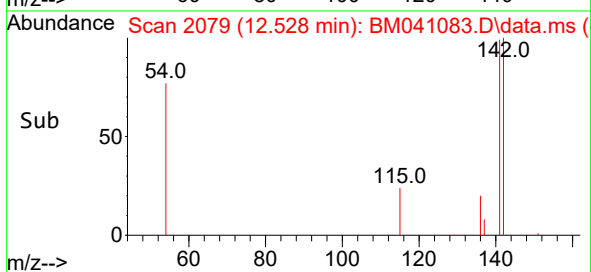
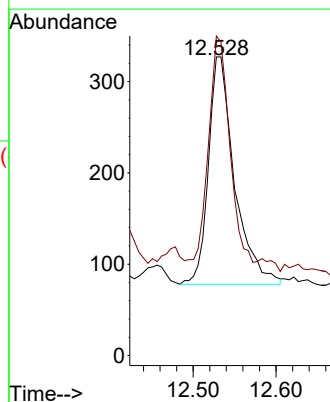
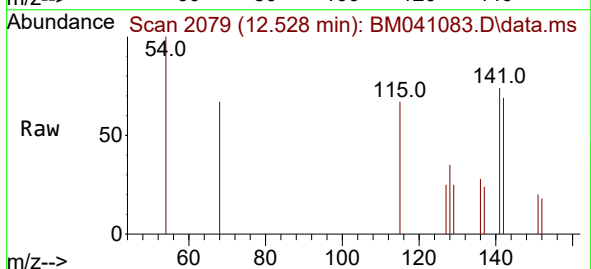
Instrument :
BNA_M
ClientSampleId :
A4727

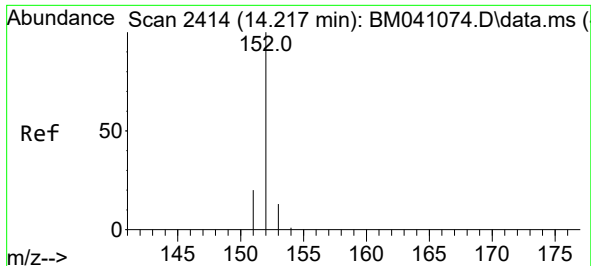
Tgt Ion:142 Resp: 585
Ion Ratio Lower Upper
142 100
141 93.5 73.3 109.9



#8
1-Methylnaphthalene
Concen: 0.042 ng/ul
RT: 12.528 min Scan# 2079
Delta R.T. -0.005 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

Tgt Ion:142 Resp: 546
Ion Ratio Lower Upper
142 100
141 89.6 73.6 110.4

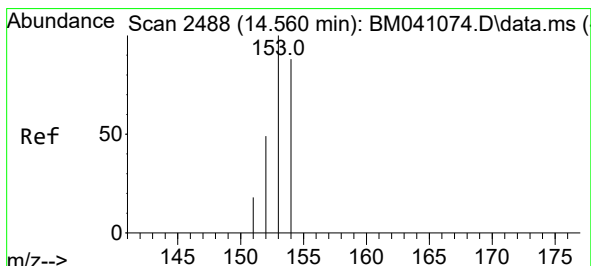
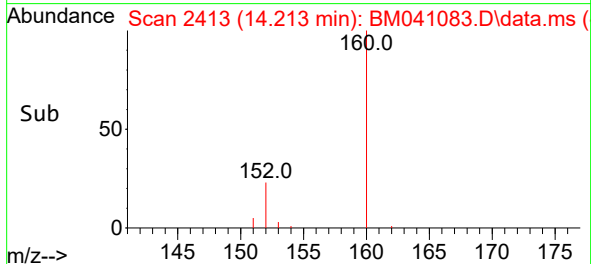
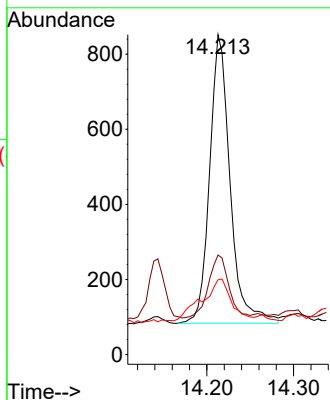
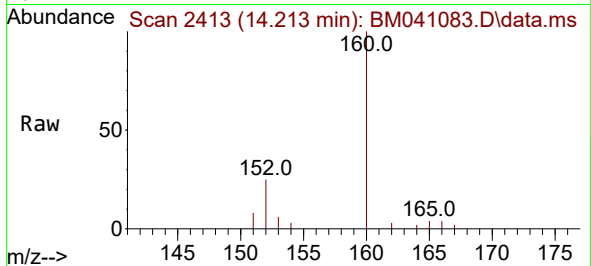




#10
Acenaphthylene
Concen: 0.069 ng/ul
RT: 14.213 min Scan# 2413
Delta R.T. -0.004 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

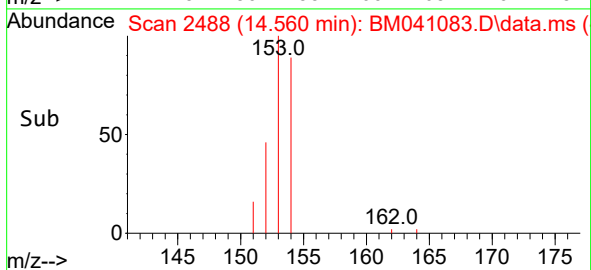
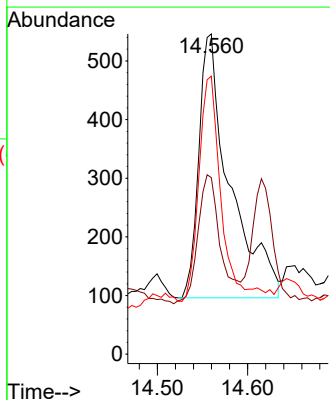
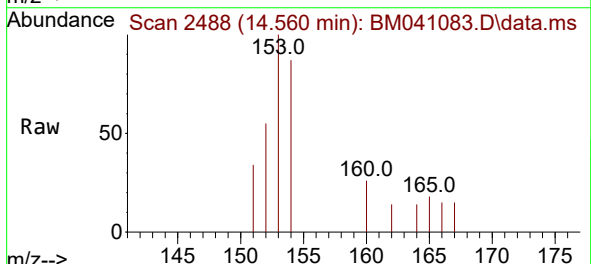
Instrument :
BNA_M
ClientSampleId :
A4727

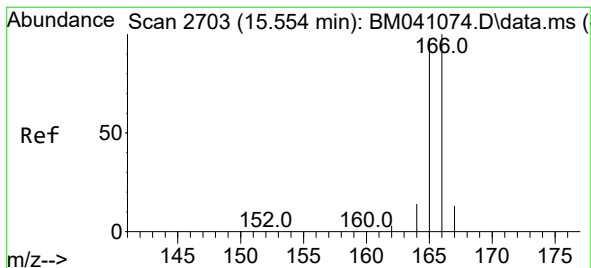
Tgt Ion:152 Resp: 1266
Ion Ratio Lower Upper
152 100
151 31.1 16.8 25.2#
153 23.4 11.4 17.2#



#11
Acenaphthene
Concen: 0.070 ng/ul
RT: 14.560 min Scan# 2488
Delta R.T. 0.000 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

Tgt Ion:153 Resp: 1077
Ion Ratio Lower Upper
153 100
152 55.1 40.2 60.4
154 86.8 70.3 105.5





#12

Fluorene

Concen: 0.058 ng/ul

RT: 15.550 min Scan# 21

Delta R.T. -0.004 min

Lab File: BM041083.D

Acq: 24 Jul 2023 20:04

Instrument :

BNA_M

ClientSampleId :

A4727

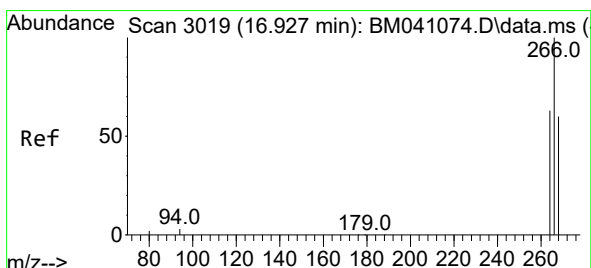
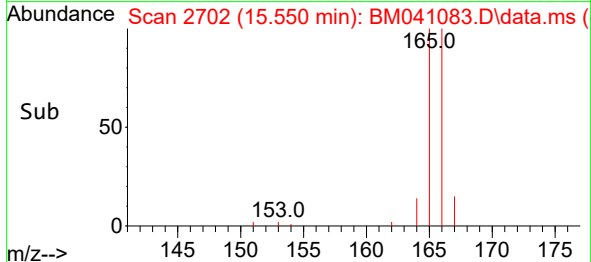
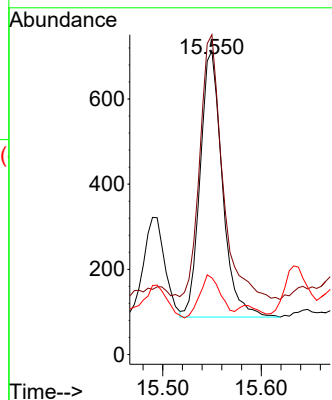
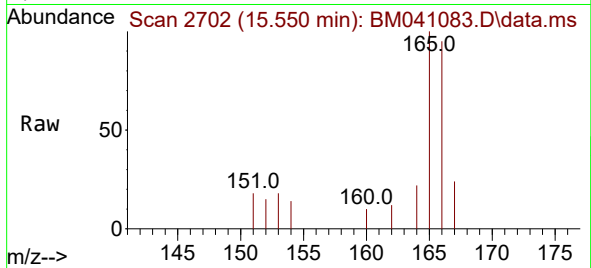
Tgt Ion:166 Resp: 976

Ion Ratio Lower Upper

166 100

165 105.3 79.4 119.0

167 25.2 11.4 17.2#



#14

Pentachlorophenol

Concen: 0.033 ng/ul

RT: 16.924 min Scan# 3018

Delta R.T. -0.004 min

Lab File: BM041083.D

Acq: 24 Jul 2023 20:04

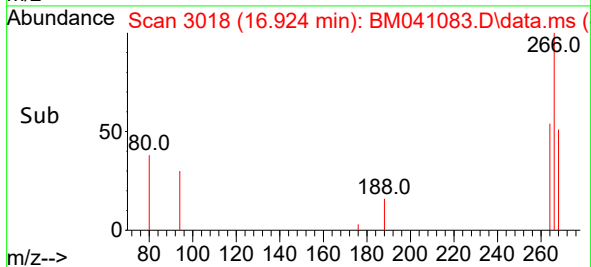
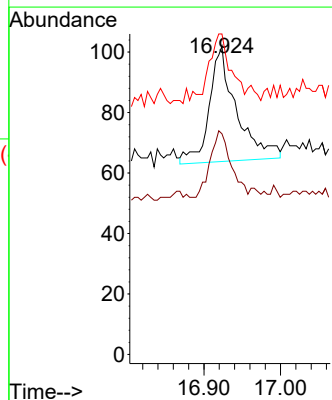
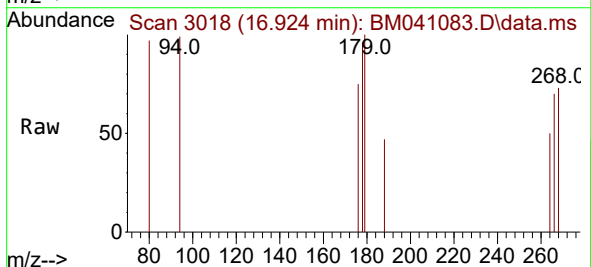
Tgt Ion:266 Resp: 94

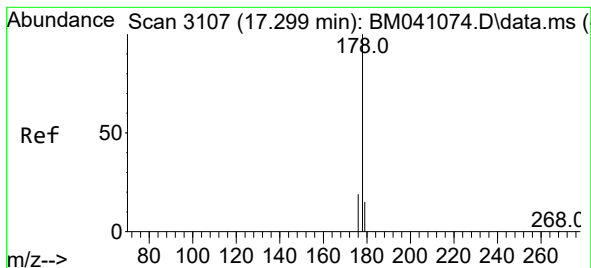
Ion Ratio Lower Upper

266 100

264 43.6 49.2 73.8#

268 46.8 49.9 74.9#





#15

Phenanthrene

Concen: 0.410 ng/ul

RT: 17.295 min Scan# 3107

Delta R.T. -0.004 min

Lab File: BM041083.D

Acq: 24 Jul 2023 20:04

Instrument :

BNA_M

ClientSampleId :

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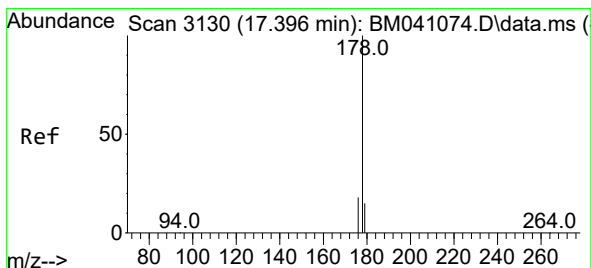
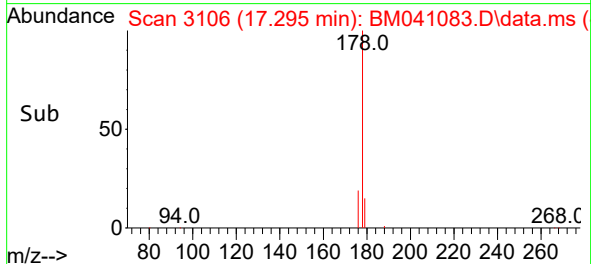
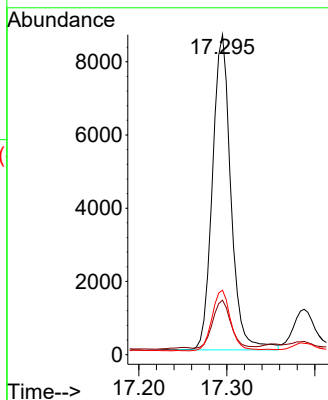
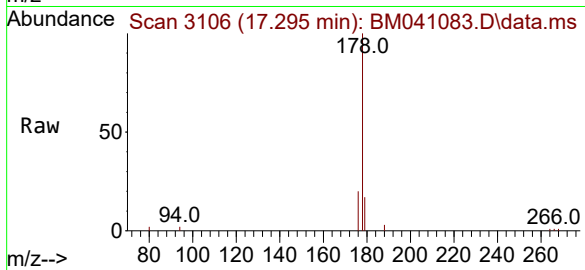
Tgt Ion:178 Resp: 12546

Ion Ratio Lower Upper

178 100

179 17.0 13.4 20.2

176 20.1 16.0 24.0



#16

Anthracene

Concen: 0.062 ng/ul

RT: 17.388 min Scan# 3128

Delta R.T. -0.008 min

Lab File: BM041083.D

Acq: 24 Jul 2023 20:04

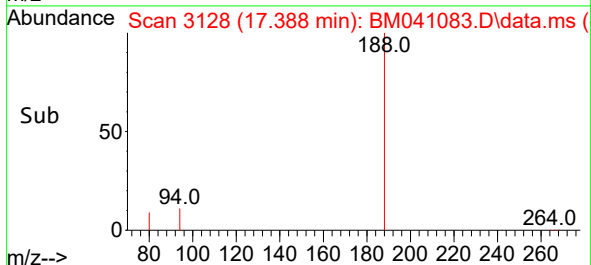
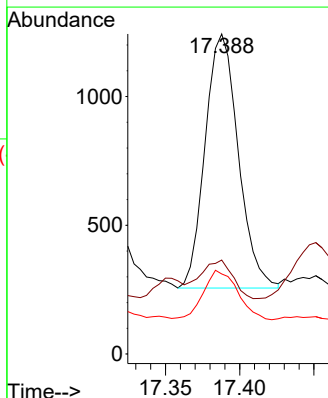
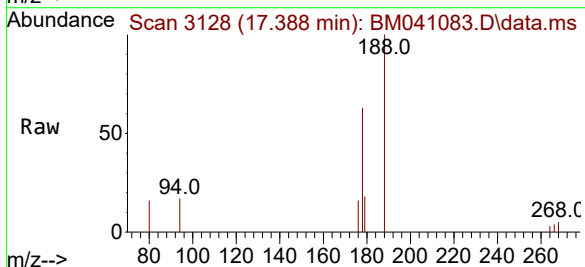
Tgt Ion:178 Resp: 1534

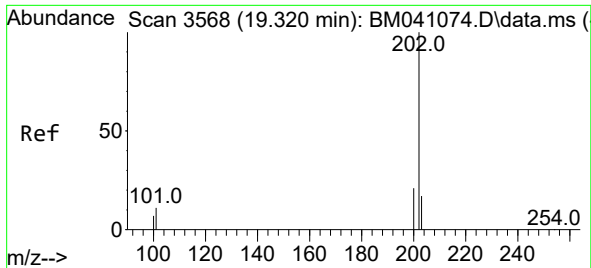
Ion Ratio Lower Upper

178 100

179 29.4 13.6 20.4#

176 25.0 16.0 24.0#

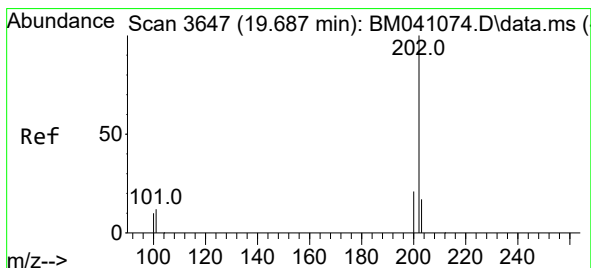
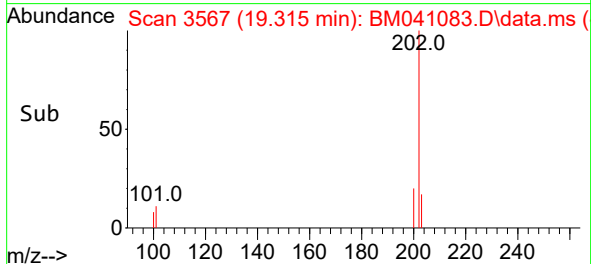
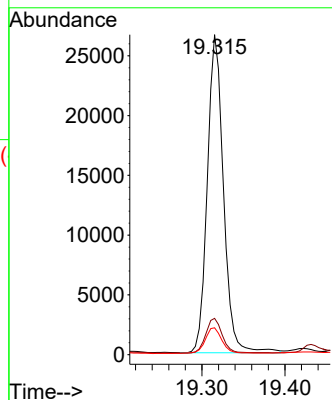
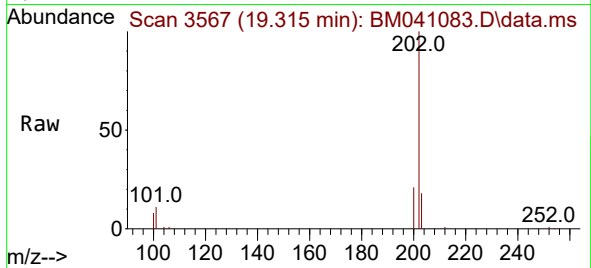




#19
Fluoranthene
Concen: 1.032 ng/u1
RT: 19.315 min Scan# 3567
Delta R.T. -0.004 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

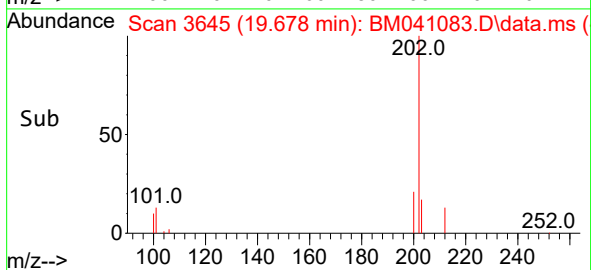
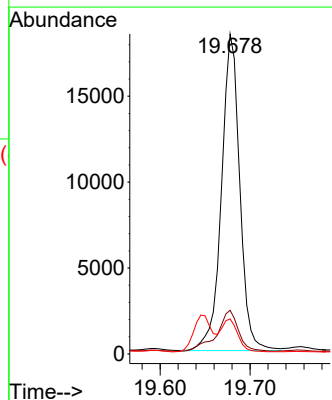
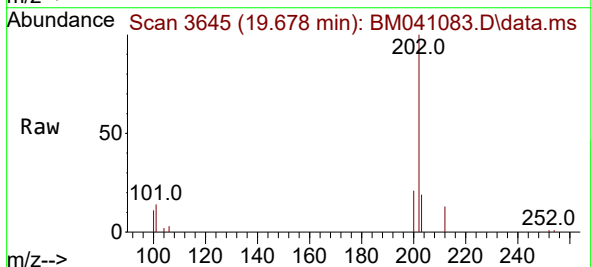
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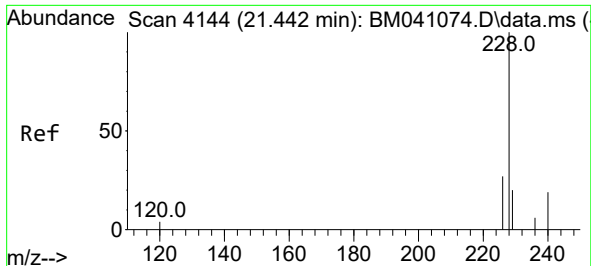
Tgt Ion:202 Resp: 36100
Ion Ratio Lower Upper
202 100
101 11.4 9.4 14.0
100 8.4 7.1 10.7



#20
Pyrene
Concen: 0.676 ng/u1
RT: 19.678 min Scan# 3645
Delta R.T. -0.009 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

Tgt Ion:202 Resp: 26065
Ion Ratio Lower Upper
202 100
101 13.6 10.7 16.1
100 11.0 8.5 12.7

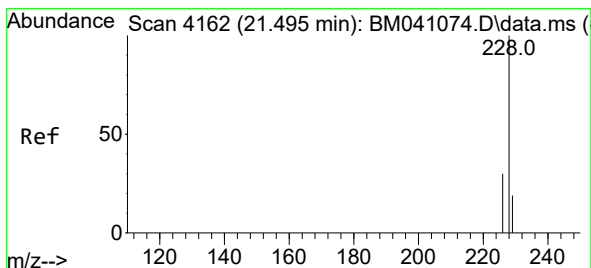
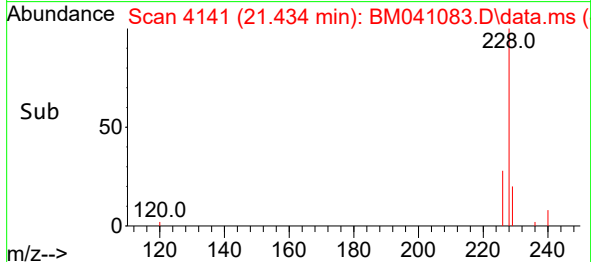
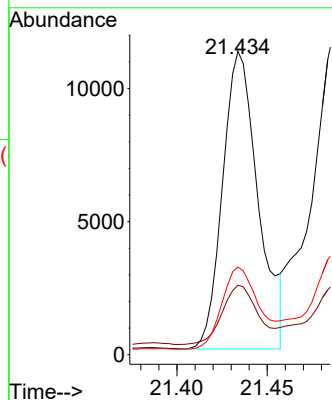
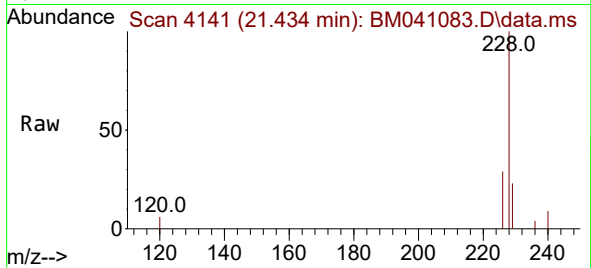




#21
Benzo(a)anthracene
Concen: 0.470 ng/ul
RT: 21.434 min Scan# 4144
Delta R.T. -0.009 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

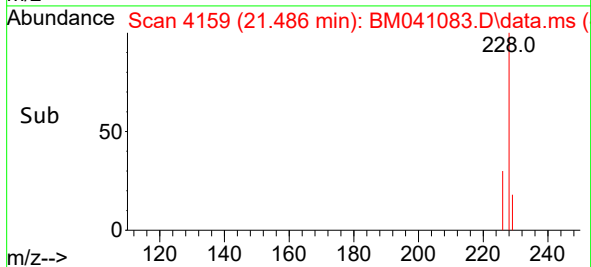
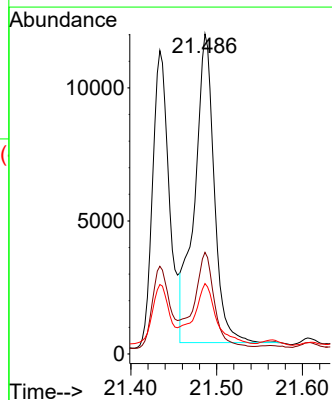
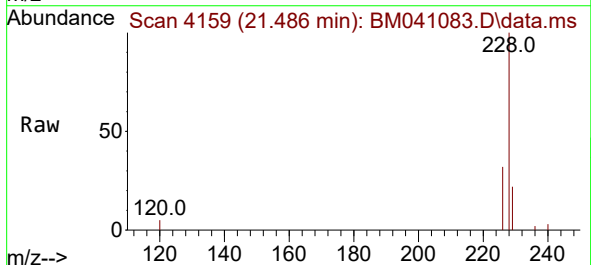
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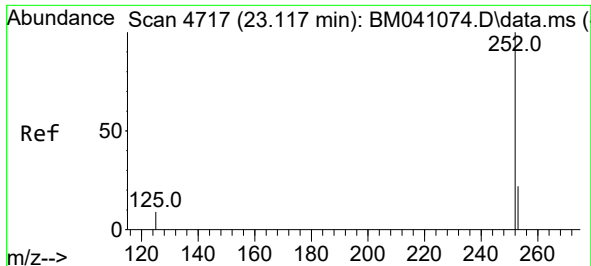
Tgt Ion:228 Resp: 15323
Ion Ratio Lower Upper
228 100
229 22.9 16.5 24.7
226 28.9 22.2 33.2



#22
Chrysene
Concen: 0.489 ng/ul
RT: 21.486 min Scan# 4159
Delta R.T. -0.009 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

Tgt Ion:228 Resp: 18442
Ion Ratio Lower Upper
228 100
226 31.8 24.2 36.4
229 22.0 15.9 23.9

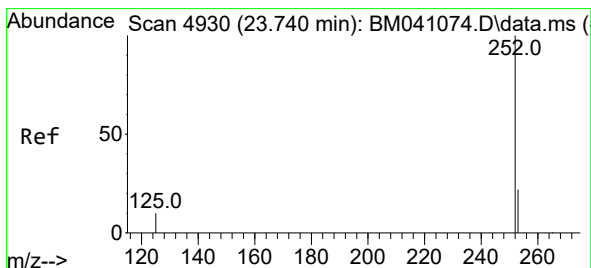
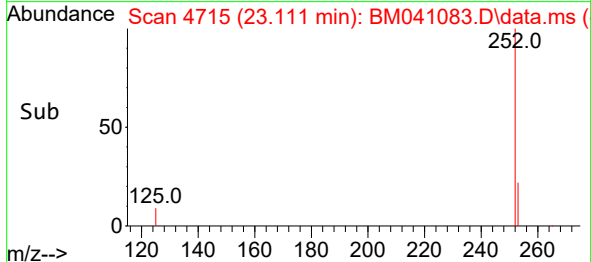
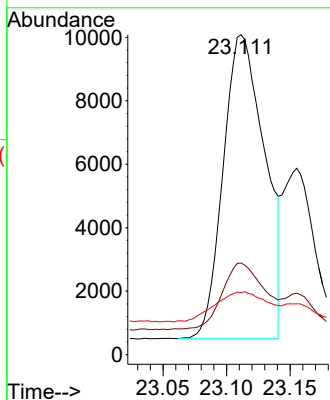
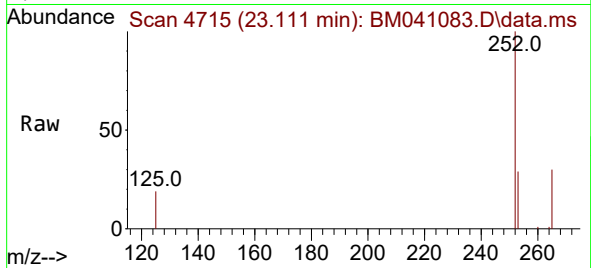




#24
Benzo(b)fluoranthene
Concen: 0.650 ng/ul
RT: 23.111 min Scan# 4715
Delta R.T. -0.006 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

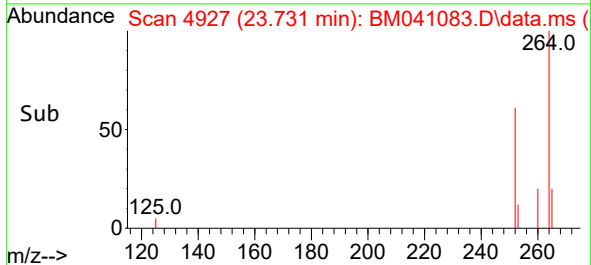
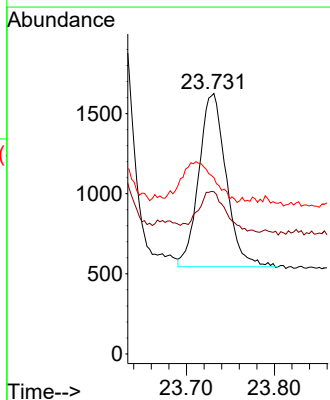
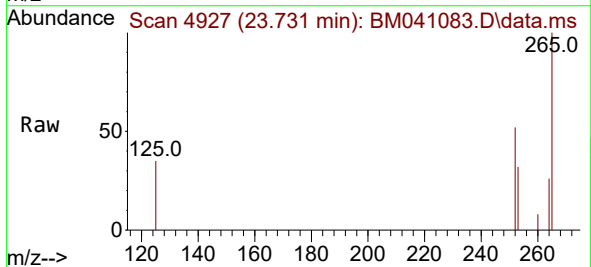
Instrument :
BNA_M
ClientSampleId :
A4727

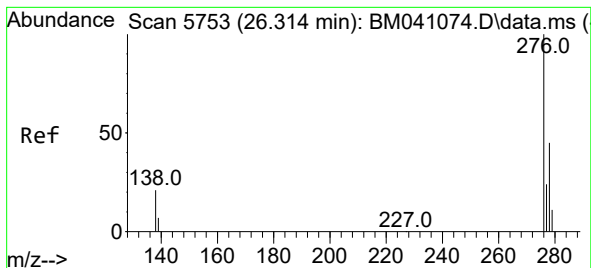
Tgt Ion:252	Resp:	21796
Ion Ratio	Lower	Upper
252	100	
253	28.7	0.0 57.6
125	19.4	0.0 33.6



#26
Benzo(a)pyrene
Concen: 0.086 ng/ul
RT: 23.731 min Scan# 4927
Delta R.T. -0.009 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

Tgt Ion:252	Resp:	2332
Ion Ratio	Lower	Upper
252	100	
253	62.2	26.7 40.1#
125	67.7	18.1 27.1#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.189 ng/ul

RT: 26.304 min Scan# 5

Delta R.T. -0.010 min

Lab File: BM041083.D

Acq: 24 Jul 2023 20:04

Instrument :

BNA_M

ClientSampleId :

A4727

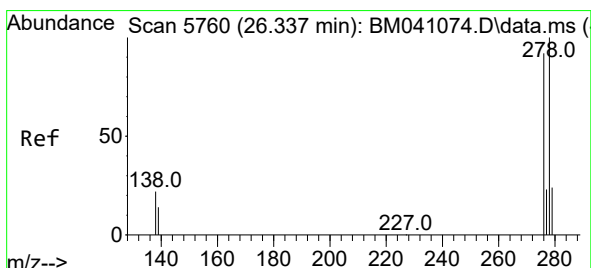
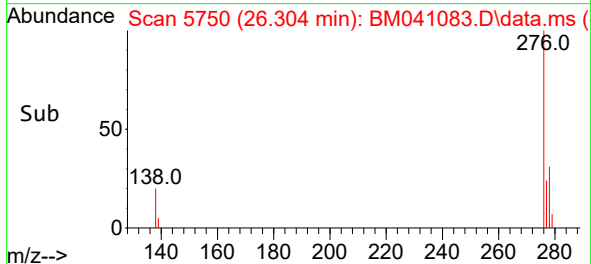
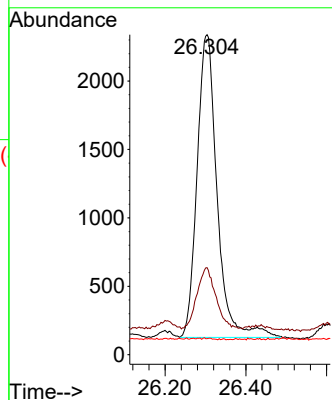
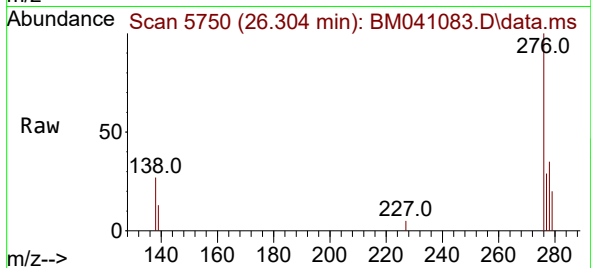
Tgt Ion:276 Resp: 7600

Ion Ratio Lower Upper

276 100

138 19.1 18.1 27.1

227 0.1 0.2 0.2#



#28

Dibenzo(a,h)anthracene

Concen: 0.090 ng/ul

RT: 26.314 min Scan# 5753

Delta R.T. -0.023 min

Lab File: BM041083.D

Acq: 24 Jul 2023 20:04

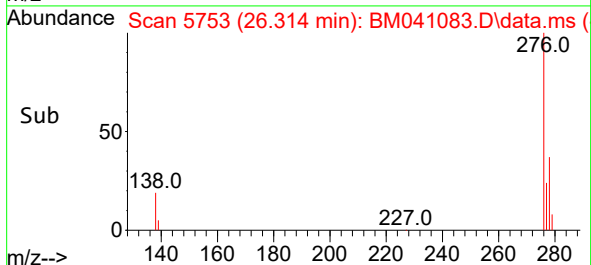
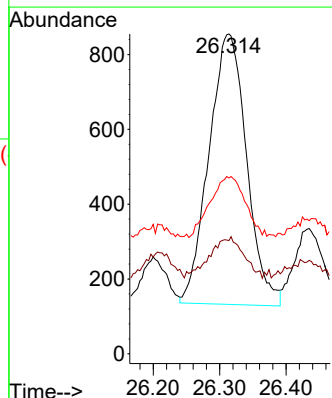
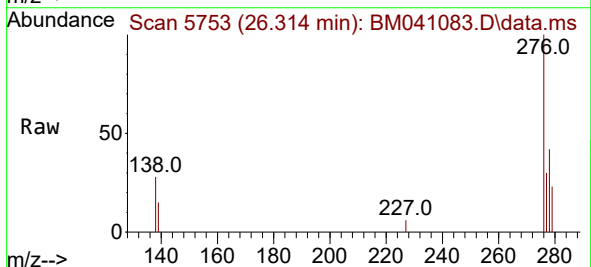
Tgt Ion:278 Resp: 2851

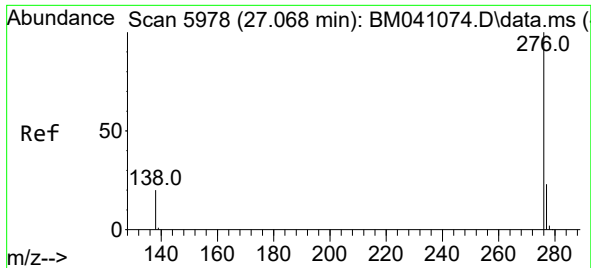
Ion Ratio Lower Upper

278 100

139 35.4 14.1 21.1#

279 55.0 25.0 37.4#





#29

Benzo(g,h,i)perylene

Concen: 0.030 ng/ul

RT: 27.065 min Scan# 5977

Delta R.T. -0.003 min

Lab File: BM041083.D

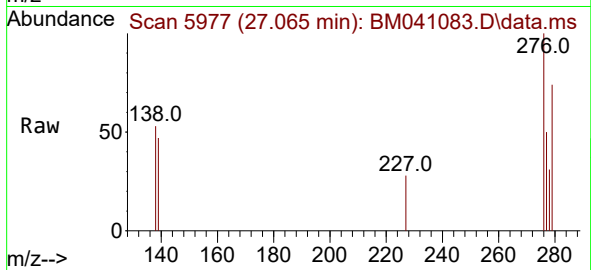
Acq: 24 Jul 2023 20:04

Instrument :

BNA_M

ClientSampleId :

A4727



Tgt Ion:276 Resp: 1065

Ion Ratio Lower Upper

276 100

138 53.4 18.2 27.2#

277 50.4 20.6 30.8#

