

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091323\
 Data File : BM041844.D
 Acq On : 13 Sep 2023 23:42
 Operator : MA/JU
 Sample : 04235-03DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EYZE0DL

Quant Time: Sep 14 03:38:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM091323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 13 16:15:23 2023
 Response via : Initial Calibration

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

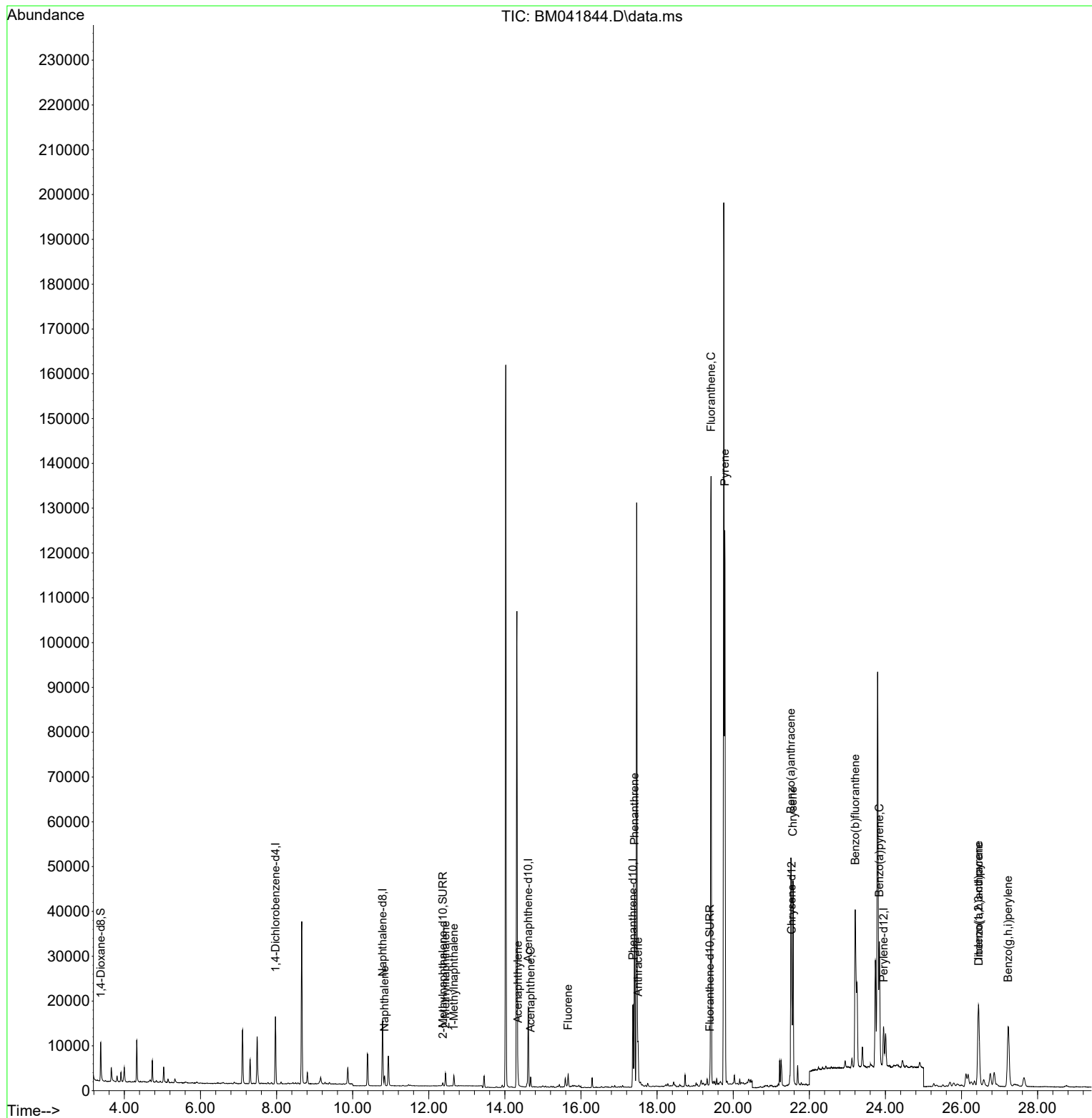
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.971	152	7369	0.400	ng/ul	0.00
4) Naphthalene-d8	10.785	136	18469	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.615	164	9025	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.367	188	18957	0.400	ng/ul	0.00
17) Chrysene-d12	21.536	240	10721	0.400	ng/ul	0.00
23) Perylene-d12	23.953	264	11384	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	5529	0.590	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.368	152	840	0.033	ng/ul	0.00
18) Fluoranthene-d10	19.385	212	1501	0.041	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.840	128	3040	0.049	ng/ul#	94
7) 2-Methylnaphthalene	12.440	142	1922	0.051	ng/ul	99
8) 1-Methylnaphthalene	12.660	142	1547	0.041	ng/ul	100
10) Acenaphthylene	14.342	152	2930	0.052	ng/ul#	93
11) Acenaphthene	14.675	153	1296	0.030	ng/ul	98
12) Fluorene	15.661	166	1768	0.035	ng/ul#	95
15) Phenanthrene	17.409	178	45265	0.547	ng/ul	99
16) Anthracene	17.498	178	8223	0.114	ng/ul	97
19) Fluoranthene	19.417	202	108672	1.309	ng/ul	99
20) Pyrene	19.780	202	95547	1.099	ng/ul	96
21) Benzo(a)anthracene	21.518	228	41730	0.590	ng/ul	99
22) Chrysene	21.571	228	44938	0.621	ng/ul	98
24) Benzo(b)fluoranthene	23.208	252	60937	0.752	ng/ul	97
26) Benzo(a)pyrene	23.842	252	37679	0.610	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	26.445	276	30892	0.325	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.455	278	7509	0.107	ng/ul#	81
29) Benzo(g,h,i)perylene	27.226	276	29862	0.372	ng/ul	98

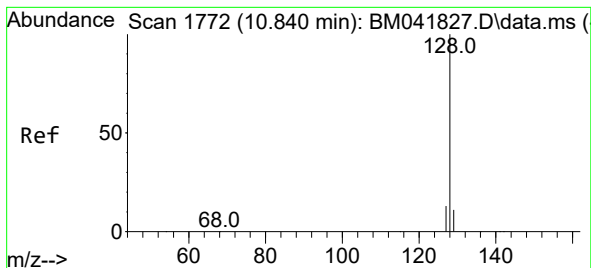
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.049 ng/ul

RT: 10.840 min Scan# 11

Delta R.T. 0.000 min

Lab File: BM041844.D

Acq: 13 Sep 2023 23:42

Instrument :

BNA_M

ClientSampleId :

EZYEO0DL

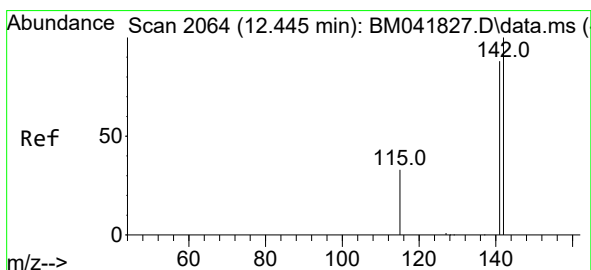
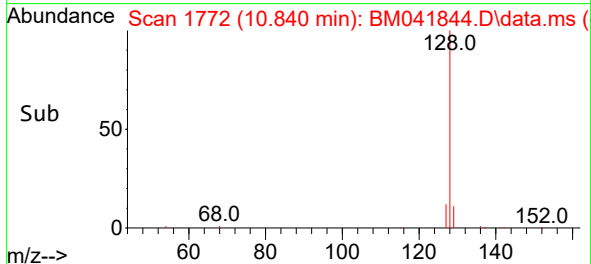
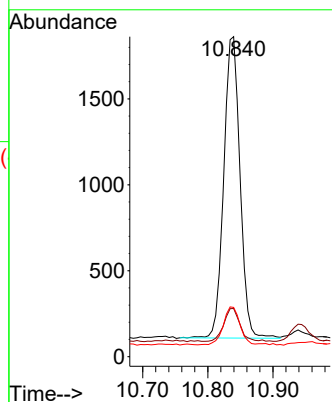
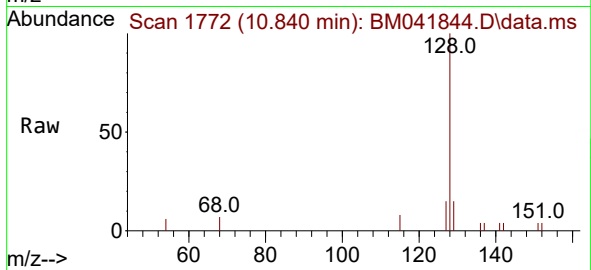
Tgt Ion:128 Resp: 3040

Ion Ratio Lower Upper

128 100

129 15.0 9.5 14.3#

127 15.4 10.7 16.1



#7

2-Methylnaphthalene

Concen: 0.051 ng/ul

RT: 12.440 min Scan# 2063

Delta R.T. -0.006 min

Lab File: BM041844.D

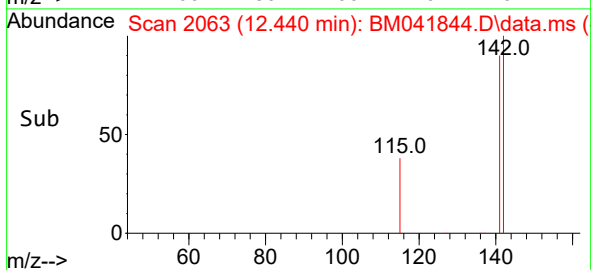
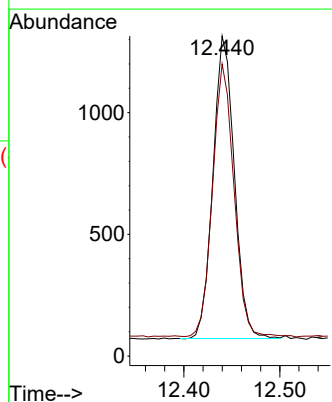
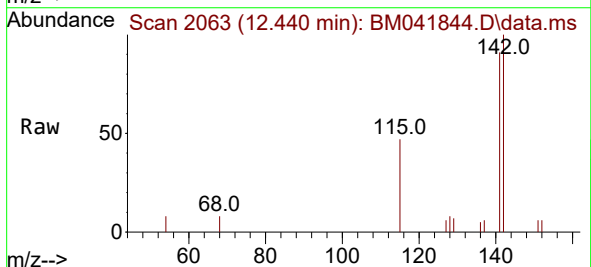
Acq: 13 Sep 2023 23:42

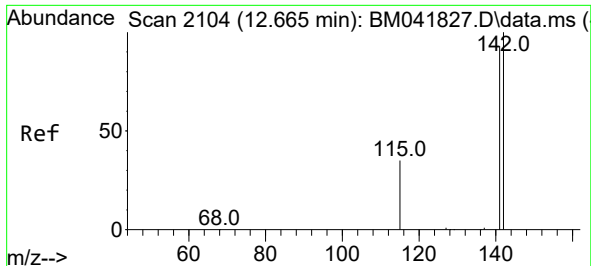
Tgt Ion:142 Resp: 1922

Ion Ratio Lower Upper

142 100

141 90.6 72.1 108.1

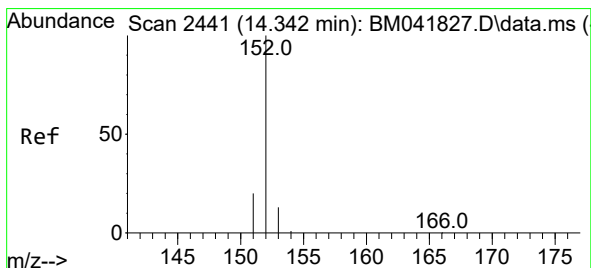
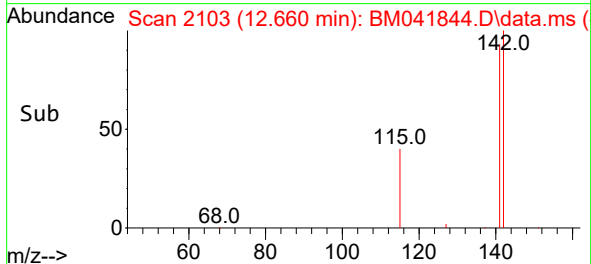
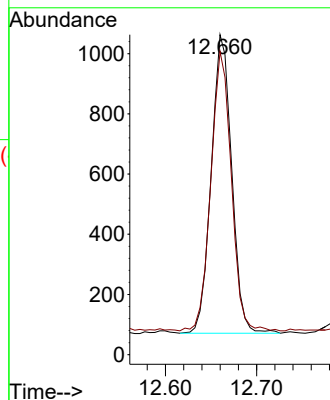
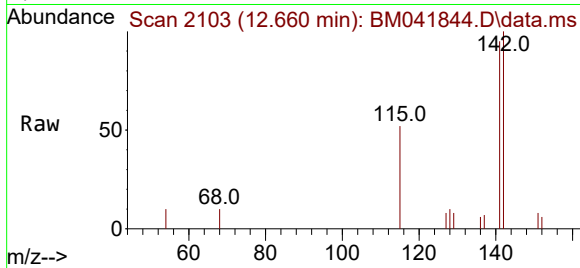




#8
1-Methylnaphthalene
Concen: 0.041 ng/ul
RT: 12.660 min Scan# 2104
Delta R.T. -0.005 min
Lab File: BM041844.D
Acq: 13 Sep 2023 23:42

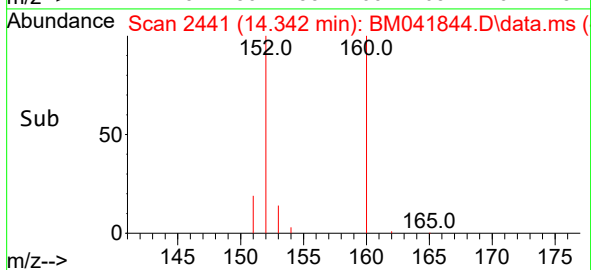
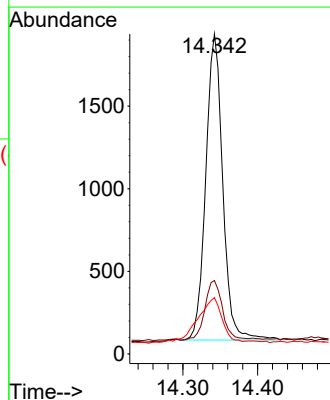
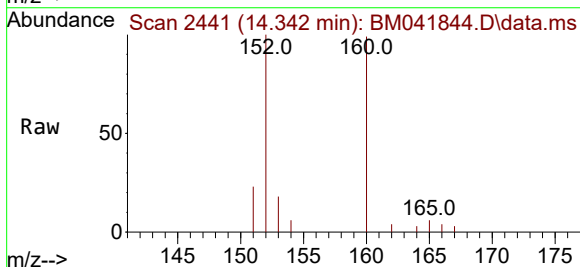
Instrument :
BNA_M
ClientSampleId :
EZYEO0DL

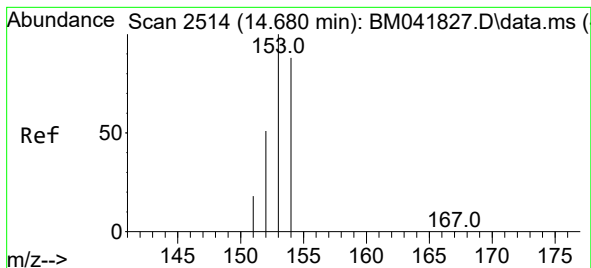
Tgt Ion:142 Resp: 1547
Ion Ratio Lower Upper
142 100
141 93.3 74.3 111.5



#10
Acenaphthylene
Concen: 0.052 ng/ul
RT: 14.342 min Scan# 2441
Delta R.T. -0.000 min
Lab File: BM041844.D
Acq: 13 Sep 2023 23:42

Tgt Ion:152 Resp: 2930
Ion Ratio Lower Upper
152 100
151 23.0 16.3 24.5
153 17.6 10.9 16.3#





#11

Acenaphthene

Concen: 0.030 ng/ul

RT: 14.675 min Scan# 2

Delta R.T. -0.005 min

Lab File: BM041844.D

Acq: 13 Sep 2023 23:42

Instrument :

BNA_M

ClientSampleId :

EZYEO0DL

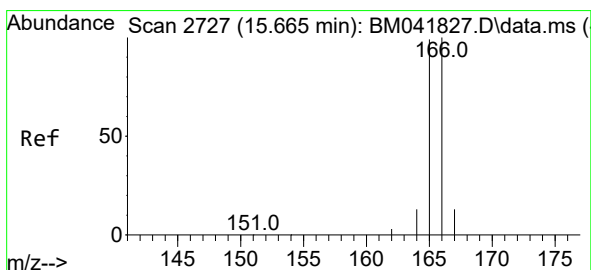
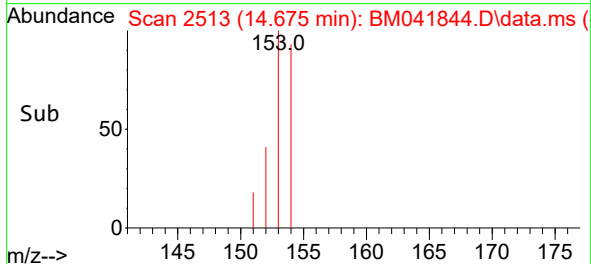
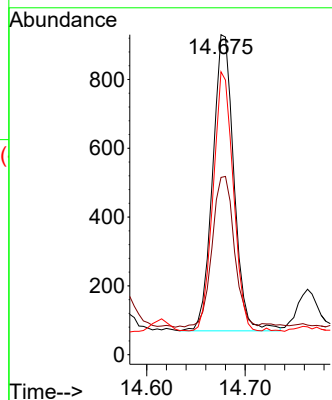
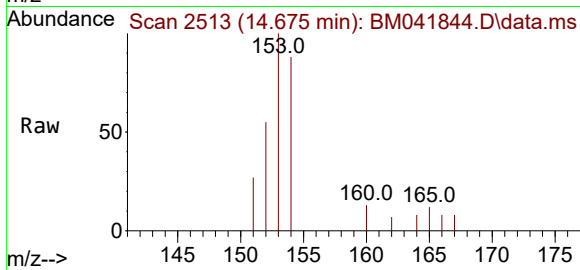
Tgt Ion:153 Resp: 1296

Ion Ratio Lower Upper

153 100

152 55.4 41.5 62.3

154 88.4 70.7 106.1



#12

Fluorene

Concen: 0.035 ng/ul

RT: 15.661 min Scan# 2726

Delta R.T. -0.005 min

Lab File: BM041844.D

Acq: 13 Sep 2023 23:42

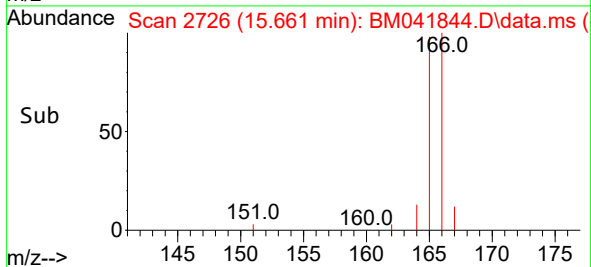
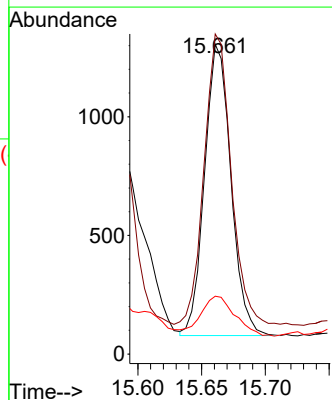
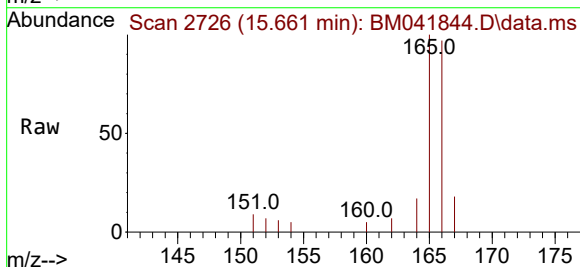
Tgt Ion:166 Resp: 1768

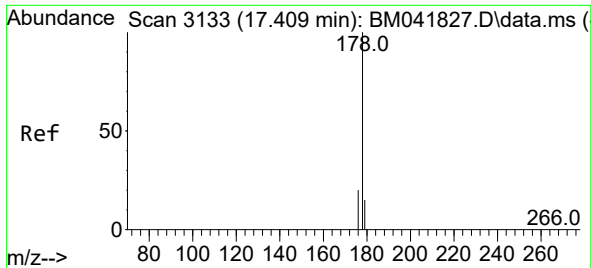
Ion Ratio Lower Upper

166 100

165 103.3 79.3 118.9

167 18.7 11.2 16.8#

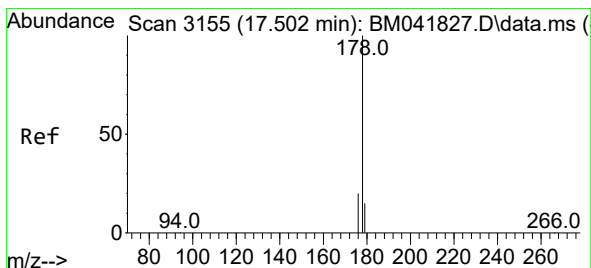
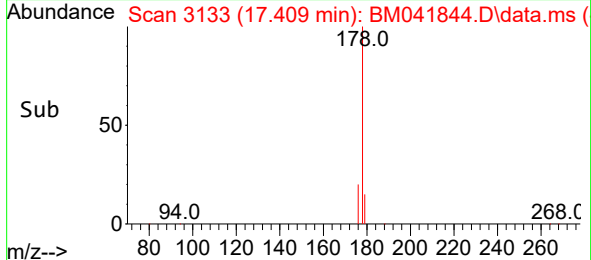
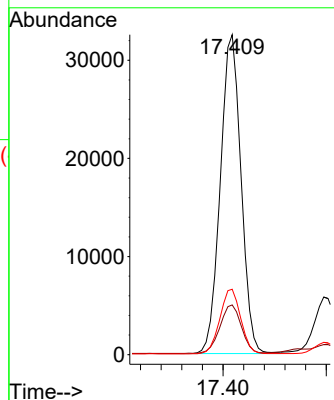
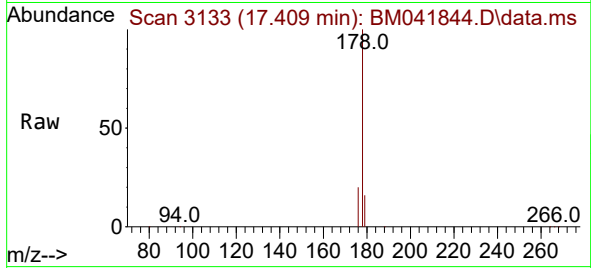




#15
Phenanthrene
Concen: 0.547 ng/ul
RT: 17.409 min Scan# 3133
Delta R.T. -0.000 min
Lab File: BM041844.D
Acq: 13 Sep 2023 23:42

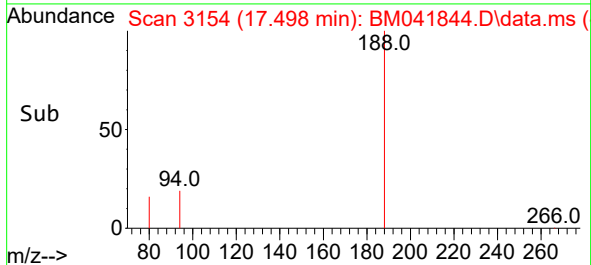
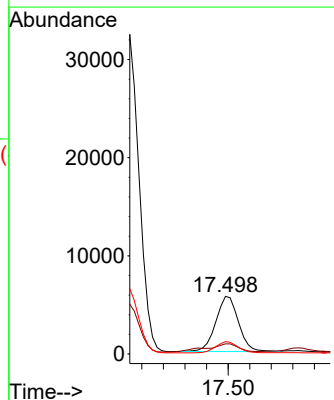
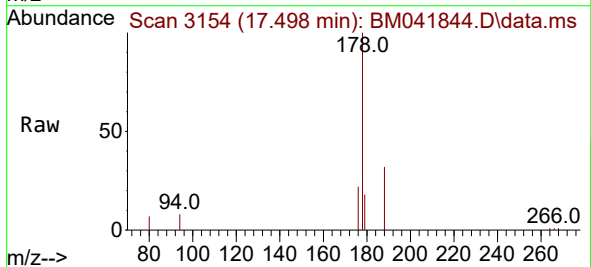
Instrument :
BNA_M
ClientSampleId :
EZYEO0DL

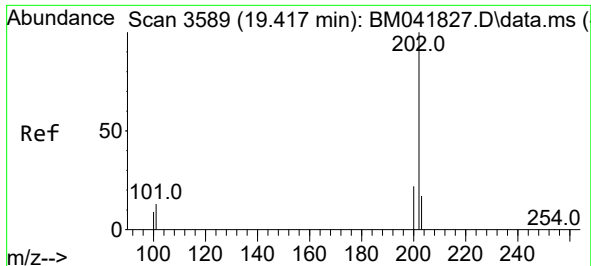
Tgt Ion:	178	Resp:	45265
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.6	19.0
176	20.5	16.6	25.0



#16
Anthracene
Concen: 0.114 ng/ul
RT: 17.498 min Scan# 3154
Delta R.T. -0.004 min
Lab File: BM041844.D
Acq: 13 Sep 2023 23:42

Tgt Ion:	178	Resp:	8223
Ion Ratio	Lower	Upper	
178	100		
179	17.6	12.7	19.1
176	21.5	16.1	24.1

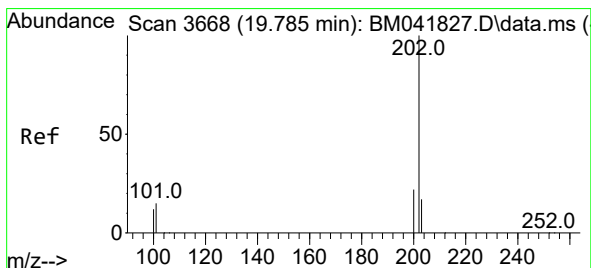
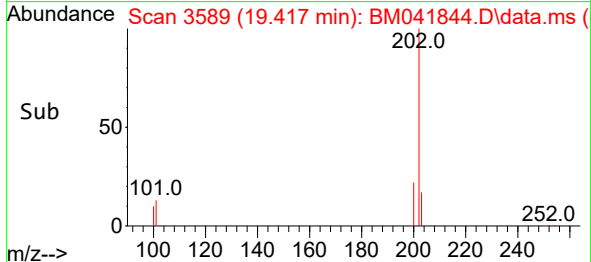
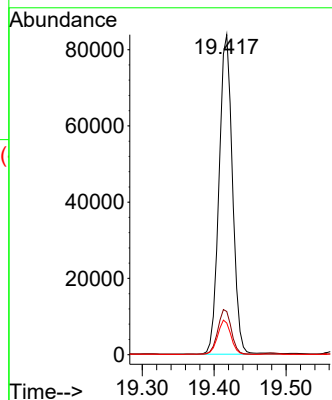
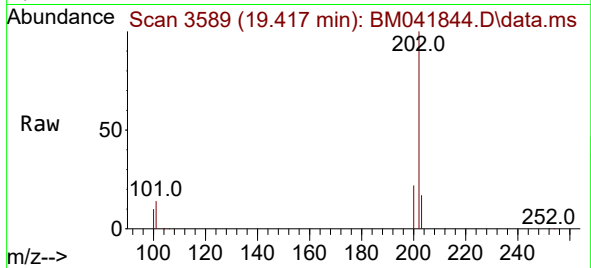




#19
Fluoranthene
Concen: 1.309 ng/ul
RT: 19.417 min Scan# 3589
Delta R.T. -0.000 min
Lab File: BM041844.D
Acq: 13 Sep 2023 23:42

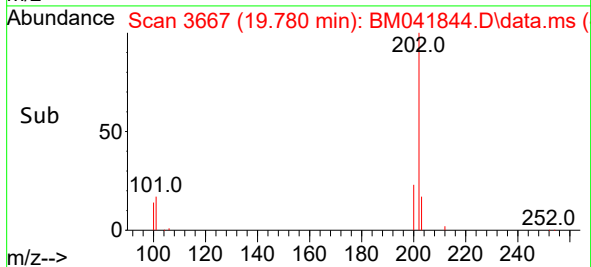
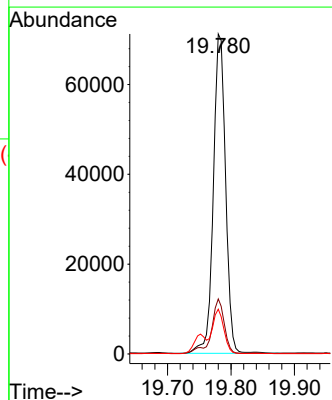
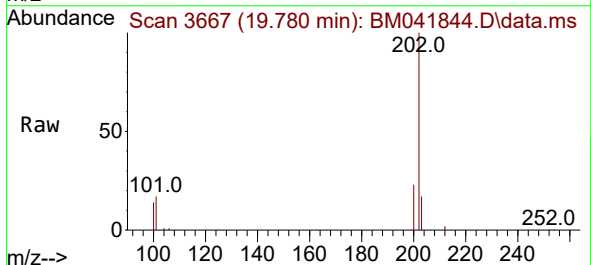
Instrument :
BNA_M
ClientSampleId :
EZYEO0DL

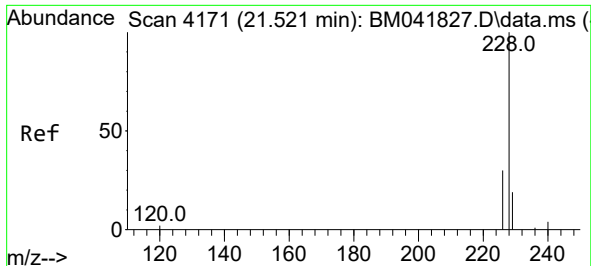
Tgt Ion:202 Resp: 108672
Ion Ratio Lower Upper
202 100
101 13.5 11.0 16.6
100 9.9 8.2 12.4



#20
Pyrene
Concen: 1.099 ng/ul
RT: 19.780 min Scan# 3667
Delta R.T. -0.005 min
Lab File: BM041844.D
Acq: 13 Sep 2023 23:42

Tgt Ion:202 Resp: 95547
Ion Ratio Lower Upper
202 100
101 17.2 12.6 19.0
100 14.0 9.9 14.9

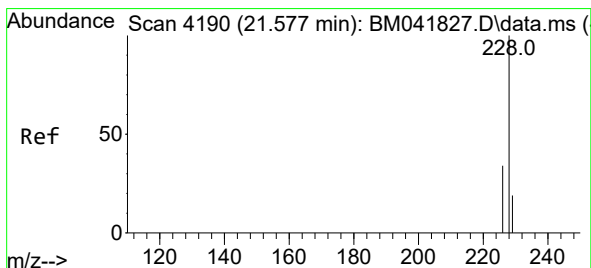
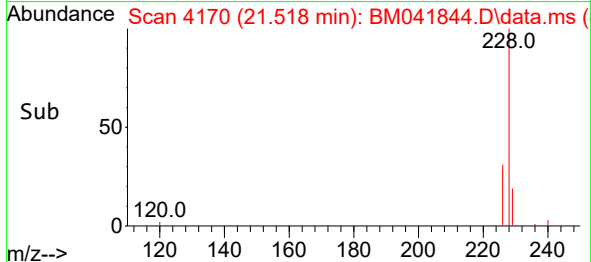
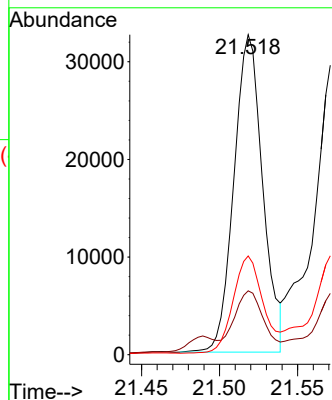
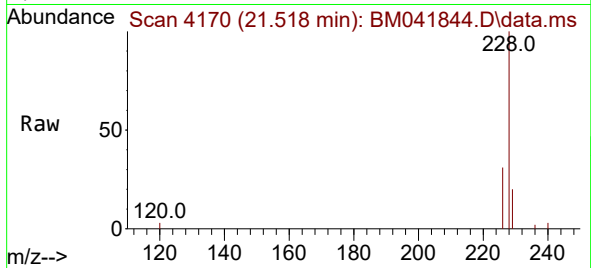




#21
Benzo(a)anthracene
Concen: 0.590 ng/ul
RT: 21.518 min Scan# 4170
Delta R.T. -0.003 min
Lab File: BM041844.D
Acq: 13 Sep 2023 23:42

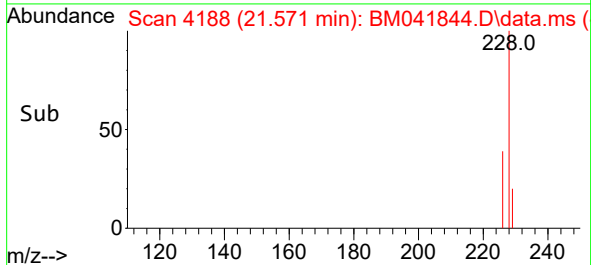
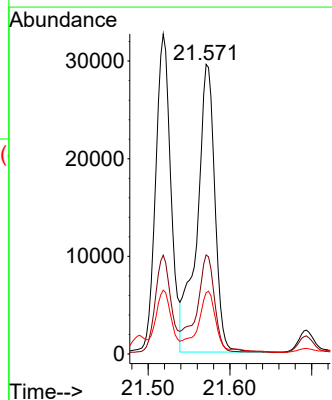
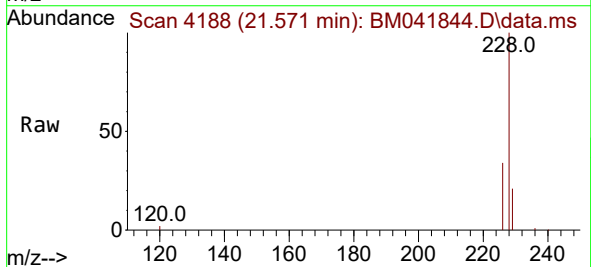
Instrument :
BNA_M
ClientSampleId :
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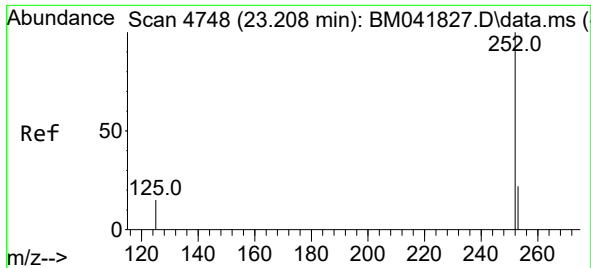
Tgt Ion:228 Resp: 41730
Ion Ratio Lower Upper
228 100
229 20.0 15.8 23.8
226 30.9 24.3 36.5



#22
Chrysene
Concen: 0.621 ng/ul
RT: 21.571 min Scan# 4188
Delta R.T. -0.006 min
Lab File: BM041844.D
Acq: 13 Sep 2023 23:42

Tgt Ion:228 Resp: 44938
Ion Ratio Lower Upper
228 100
226 34.2 27.0 40.4
229 21.1 15.7 23.5

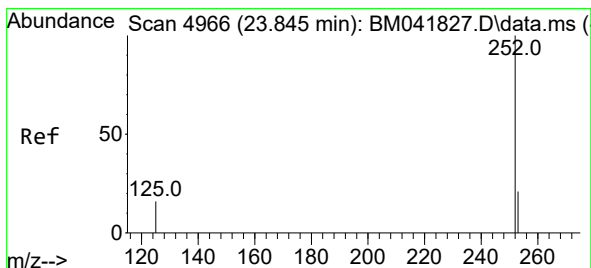
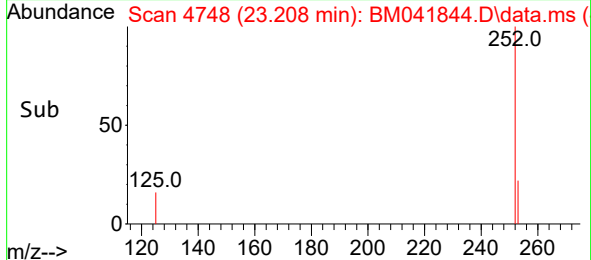
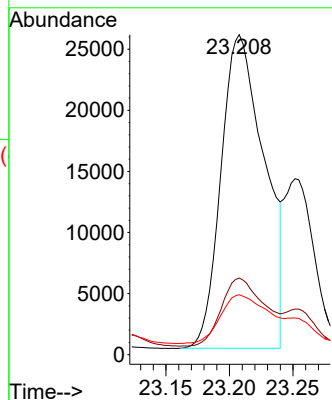
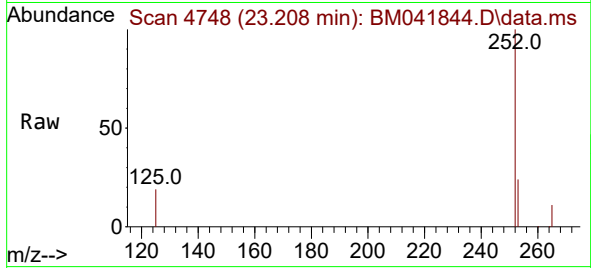




#24
Benzo(b)fluoranthene
Concen: 0.752 ng/ul
RT: 23.208 min Scan# 41
Delta R.T. -0.000 min
Lab File: BM041844.D
Acq: 13 Sep 2023 23:42

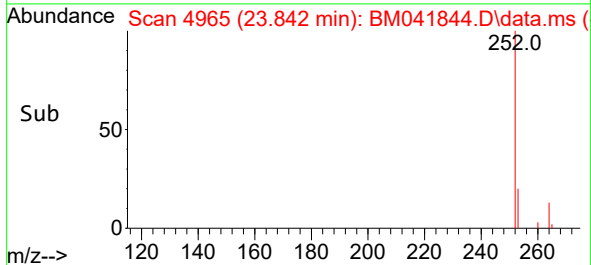
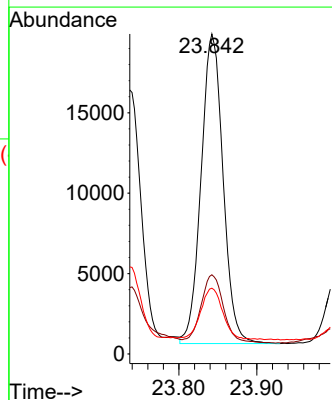
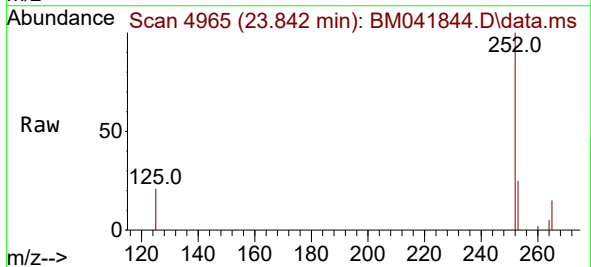
Instrument :
BNA_M
ClientSampleId :
EZYEO0DL

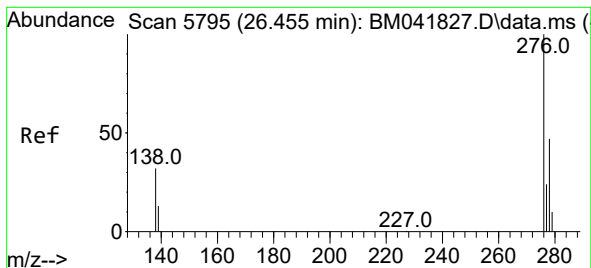
Tgt Ion:252 Resp: 60937
Ion Ratio Lower Upper
252 100
253 24.0 0.0 51.0
125 18.7 0.0 39.8



#26
Benzo(a)pyrene
Concen: 0.610 ng/ul
RT: 23.842 min Scan# 4965
Delta R.T. -0.003 min
Lab File: BM041844.D
Acq: 13 Sep 2023 23:42

Tgt Ion:252 Resp: 37679
Ion Ratio Lower Upper
252 100
253 24.7 21.8 32.8
125 20.6 18.8 28.2





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.325 ng/ul

RT: 26.445 min Scan# 5

Delta R.T. -0.010 min

Lab File: BM041844.D

Acq: 13 Sep 2023 23:42

Instrument :

BNA_M

ClientSampleId :

EZYEO0L

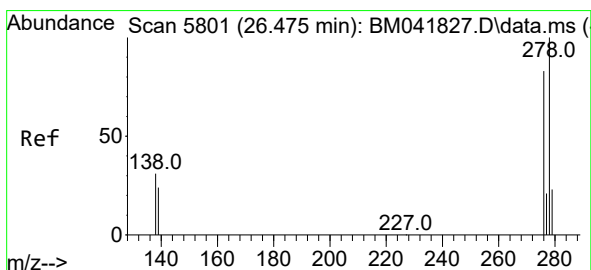
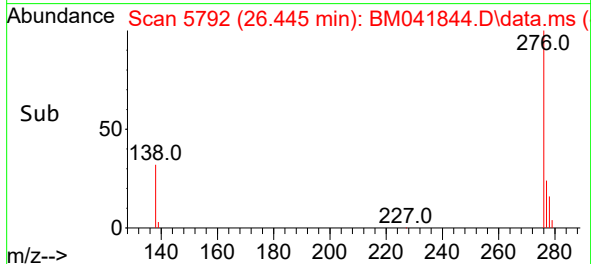
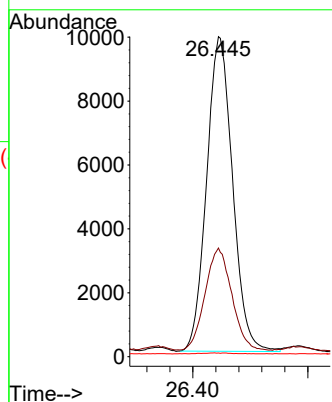
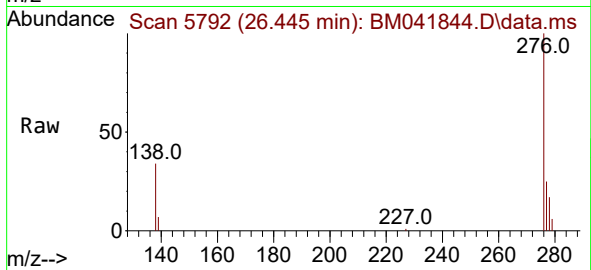
Tgt Ion:276 Resp: 30892

Ion Ratio Lower Upper

276 100

138 33.3 27.7 41.5

227 0.2 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 0.107 ng/ul

RT: 26.455 min Scan# 5795

Delta R.T. -0.020 min

Lab File: BM041844.D

Acq: 13 Sep 2023 23:42

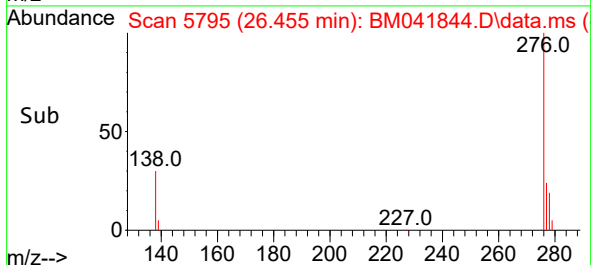
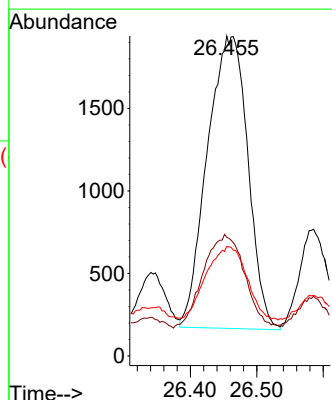
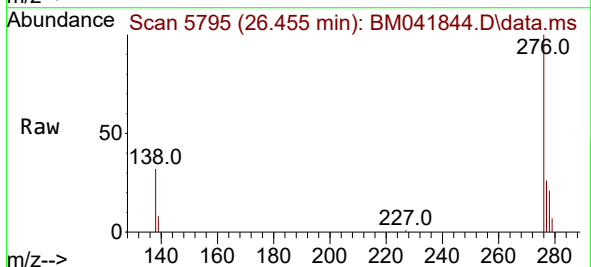
Tgt Ion:278 Resp: 7509

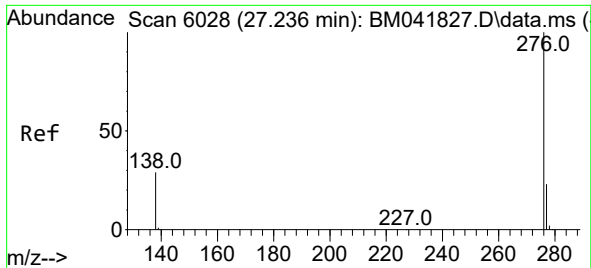
Ion Ratio Lower Upper

278 100

139 37.1 20.9 31.3#

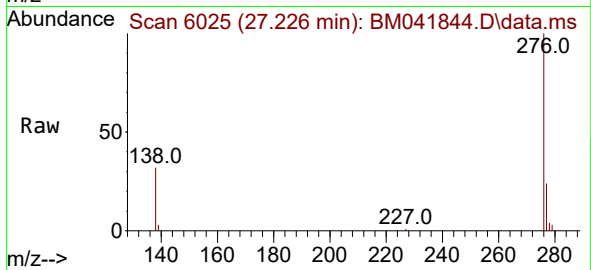
279 34.2 20.3 30.5#





#29
 Benzo(g,h,i)perylene
 Concen: 0.372 ng/ul
 RT: 27.226 min Scan# 6025
 Delta R.T. -0.010 min
 Lab File: BM041844.D
 Acq: 13 Sep 2023 23:42

Instrument :
 BNA_M
 ClientSampleId :
 EZYE0DL



Tgt Ion:	276	Resp:	29862
Ion	Ratio	Lower	Upper
276	100		
138	32.5	24.7	37.1
277	24.1	19.3	28.9

