

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046134.D
 Acq On : 20 Jun 2024 21:51
 Operator : MA/JU
 Sample : P2710-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4B23

Quant Time: Jun 21 02:49:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 18 13:58:29 2024
 Response via : Initial Calibration

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

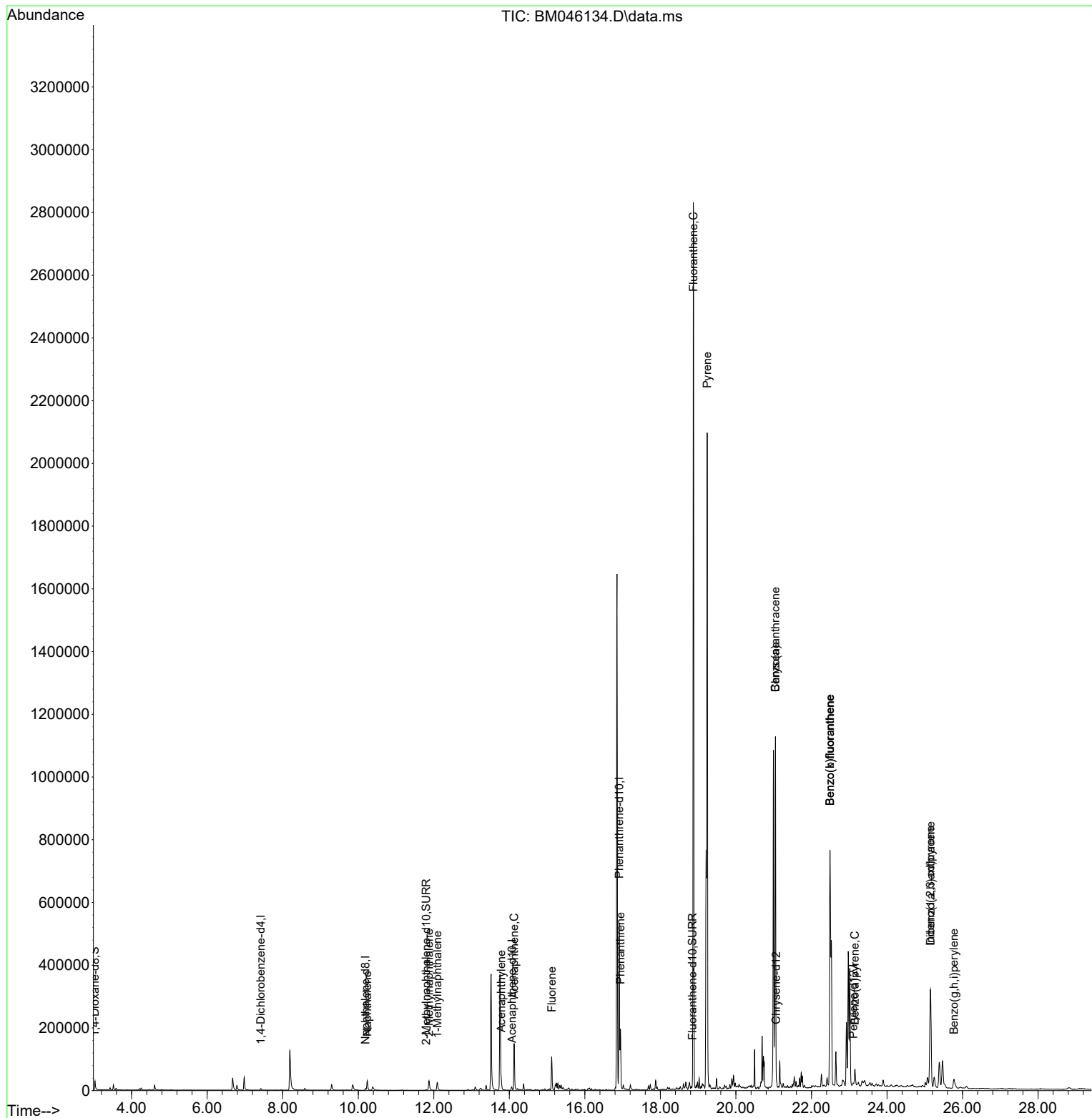
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.421	152	2797	0.400	ng/ul	#-0.04
4) Naphthalene-d8	10.189	136	8001	0.400	ng/ul	-0.06
9) Acenaphthene-d10	14.067	164	4595	0.400	ng/ul	-0.04
13) Phenanthrene-d10	16.909	188	594403	0.400	ng/ul	# 0.05
17) Chrysene-d12	21.064	240	1152	0.400	ng/ul	# 0.02
23) Perylene-d12	23.107	264	10954	0.400	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.029	96	16440	4.284	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.800	152	3753	0.349	ng/ul	-0.06
18) Fluoranthene-d10	18.844	212	9360	2.713	ng/ul	-0.04
Target Compounds						Qvalue
5) Naphthalene	10.238	128	47290	2.119	ng/ul#	92
7) 2-Methylnaphthalene	11.871	142	29073	2.315	ng/ul	97
8) 1-Methylnaphthalene	12.091	142	23179	1.682	ng/ul	100
10) Acenaphthylene	13.785	152	32401	1.487	ng/ul	97
11) Acenaphthene	14.127	153	91474	5.814	ng/ul	97
12) Fluorene	15.122	166	69201	4.099	ng/ul	99
15) Phenanthrene	16.943	178	198163	0.119	ng/ul	96
19) Fluoranthene	18.877	202	2314345	463.987	ng/ul	96
20) Pyrene	19.239	202	1694613	314.152	ng/ul	96
21) Benzo(a)anthracene	21.046	228	995691	223.763	ng/ul	97
22) Chrysene	21.046	228	995691	175.337	ng/ul	98
24) Benzo(b)fluoranthene	22.490	252	1619721	41.042	ng/ul	82
25) Benzo(k)fluoranthene	22.490	252	1619721	34.522	ng/ul#	80
26) Benzo(a)pyrene	23.148	252	38868	1.063	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	25.148	276	414613	6.927	ng/ul#	93
28) Dibenzo(a,h)anthracene	25.152	278	142641	3.201	ng/ul	91
29) Benzo(g,h,i)perylene	25.772	276	57705	1.124	ng/ul	97

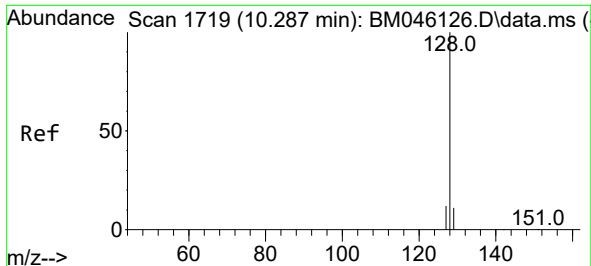
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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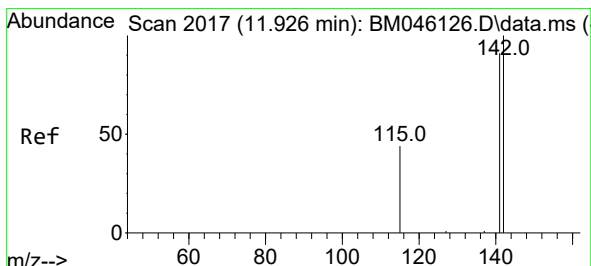
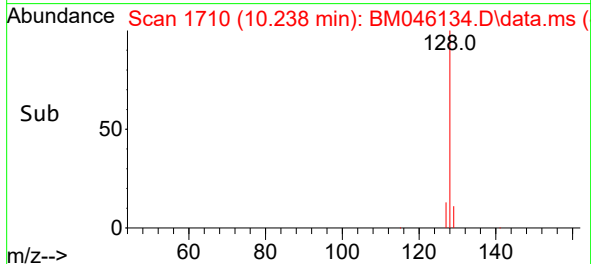
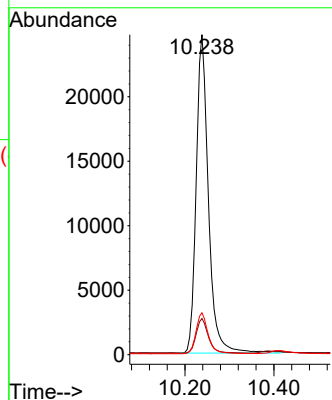
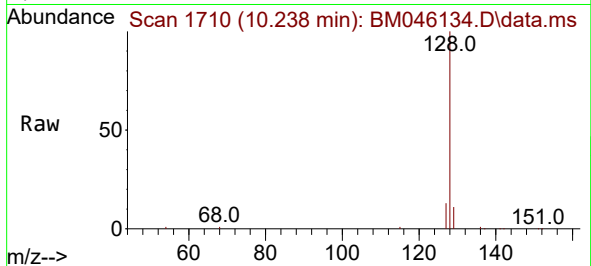




#5
Naphthalene
Concen: 2.119 ng/ul
RT: 10.238 min Scan# 11
Delta R.T. -0.065 min
Lab File: BM046134.D
Acq: 20 Jun 2024 21:51

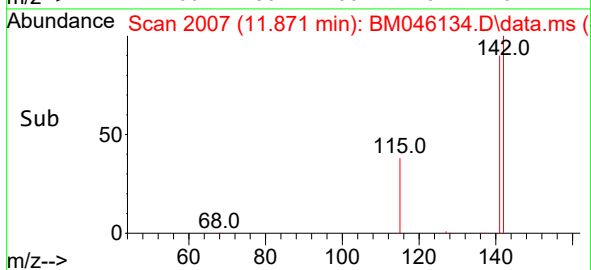
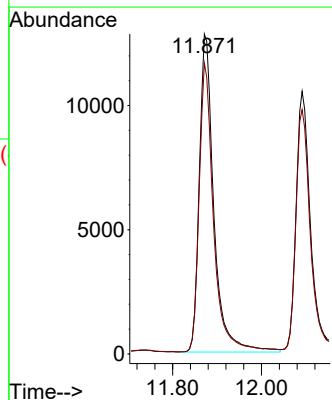
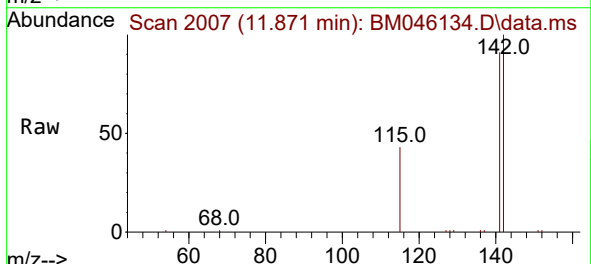
Instrument :
BNA_M
ClientSampleId :
A4B23

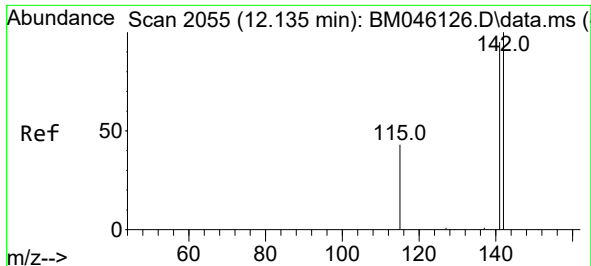
Tgt Ion:128 Resp: 47290
Ion Ratio Lower Upper
128 100
129 11.3 11.8 17.6#
127 13.1 12.8 19.2



#7
2-Methylnaphthalene
Concen: 2.315 ng/ul
RT: 11.871 min Scan# 2007
Delta R.T. -0.076 min
Lab File: BM046134.D
Acq: 20 Jun 2024 21:51

Tgt Ion:142 Resp: 29073
Ion Ratio Lower Upper
142 100
141 90.2 74.6 111.8

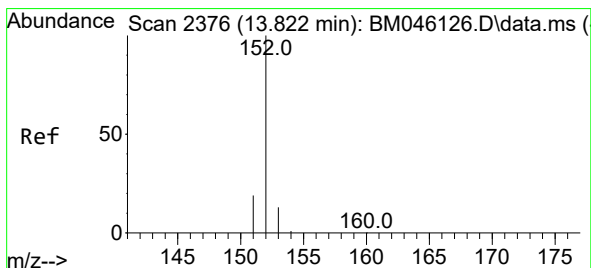
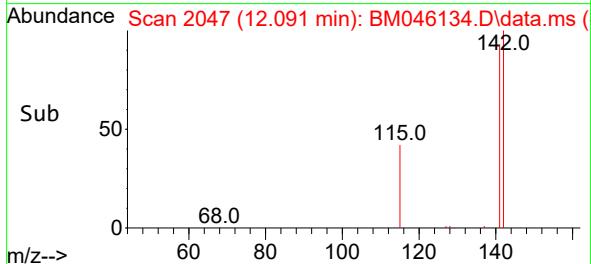
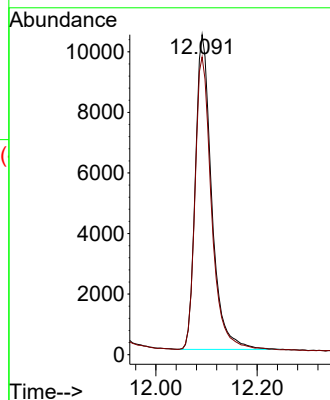
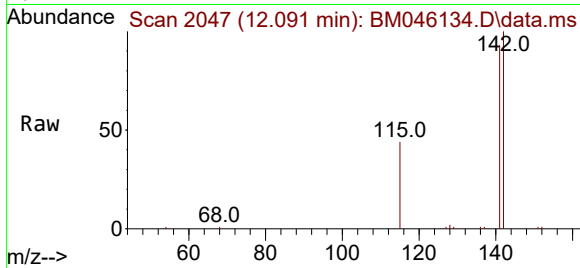




#8
1-Methylnaphthalene
Concen: 1.682 ng/ul
RT: 12.091 min Scan# 2055
Delta R.T. -0.059 min
Lab File: BM046134.D
Acq: 20 Jun 2024 21:51

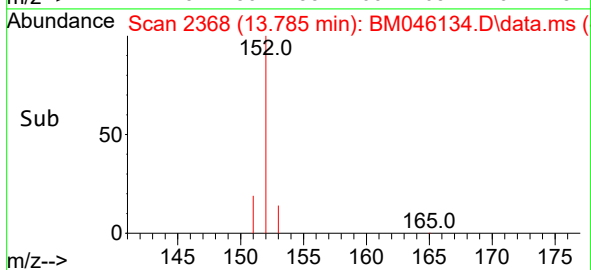
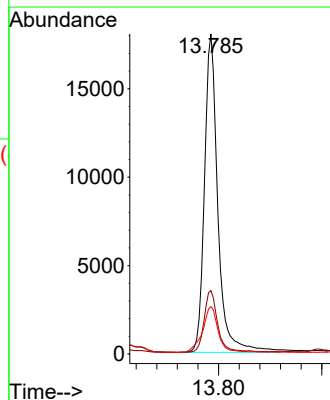
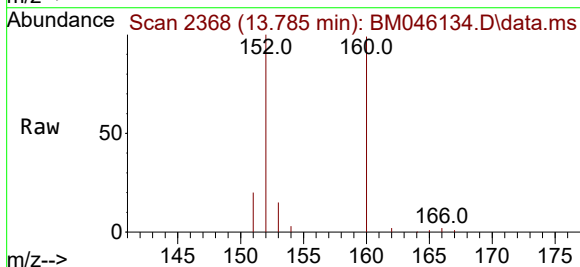
Instrument :
BNA_M
ClientSampleId :
A4B23

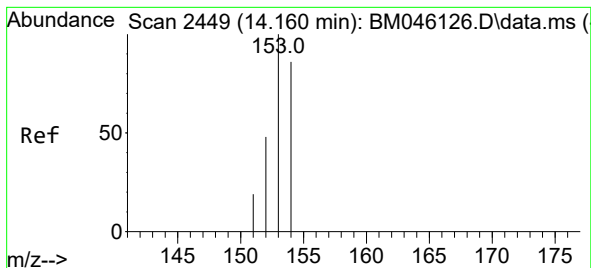
Tgt Ion:142 Resp: 23179
Ion Ratio Lower Upper
142 100
141 94.0 75.2 112.8



#10
Acenaphthylene
Concen: 1.487 ng/ul
RT: 13.785 min Scan# 2368
Delta R.T. -0.050 min
Lab File: BM046134.D
Acq: 20 Jun 2024 21:51

Tgt Ion:152 Resp: 32401
Ion Ratio Lower Upper
152 100
151 19.8 17.4 26.2
153 14.8 11.8 17.8





#11

Acenaphthene

Concen: 5.814 ng/ul

RT: 14.127 min Scan# 2449

Delta R.T. -0.045 min

Lab File: BM046134.D

Acq: 20 Jun 2024 21:51

Instrument :

BNA_M

ClientSampleId :

A4B23

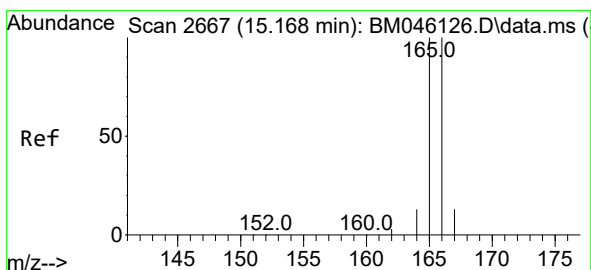
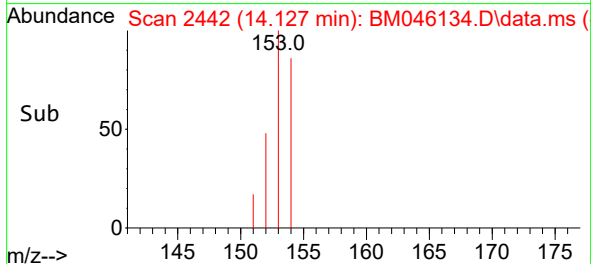
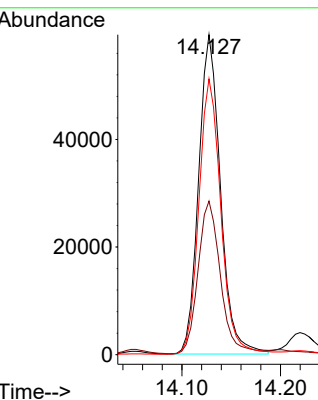
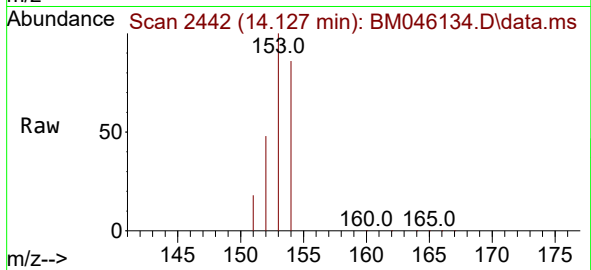
Tgt Ion:153 Resp: 91474

Ion Ratio Lower Upper

153 100

152 48.0 41.3 61.9

154 86.2 68.2 102.4



#12

Fluorene

Concen: 4.099 ng/ul

RT: 15.122 min Scan# 2657

Delta R.T. -0.059 min

Lab File: BM046134.D

Acq: 20 Jun 2024 21:51

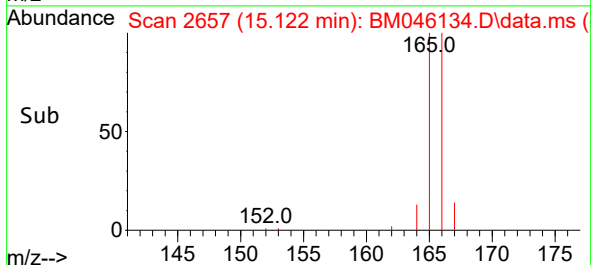
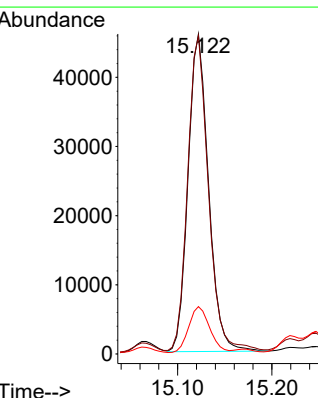
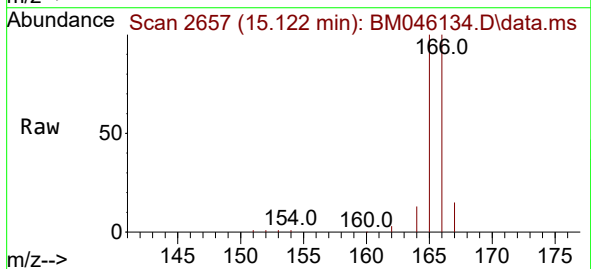
Tgt Ion:166 Resp: 69201

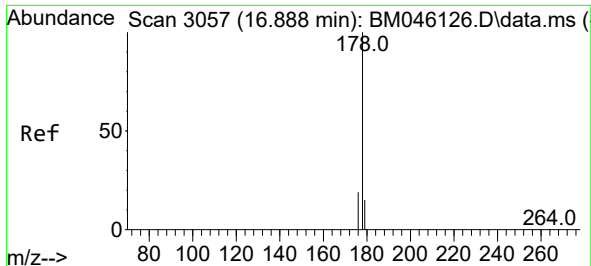
Ion Ratio Lower Upper

166 100

165 99.5 80.4 120.6

167 14.8 12.4 18.6

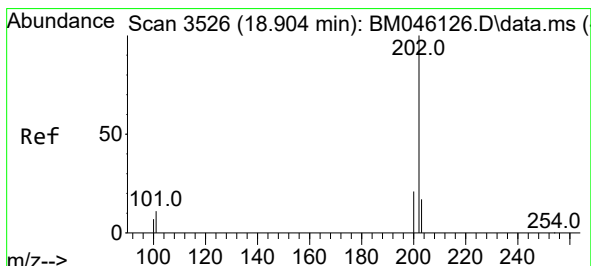
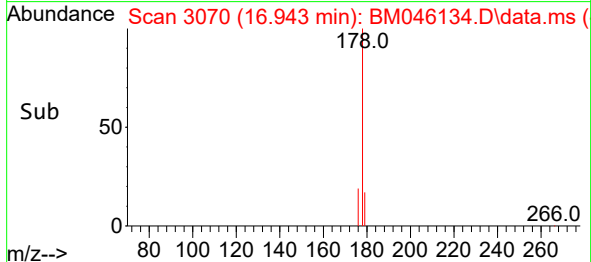
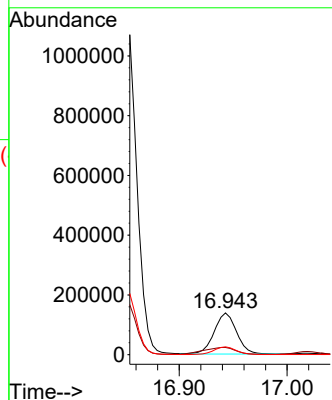
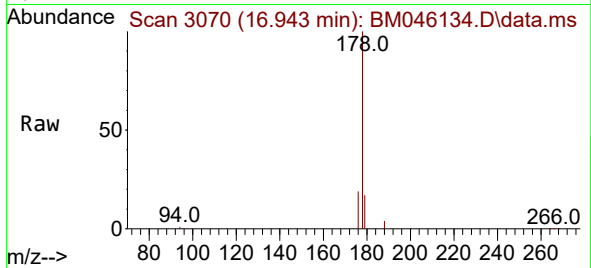




#15
Phenanthrene
Concen: 0.119 ng/ul
RT: 16.943 min Scan# 3057
Delta R.T. 0.039 min
Lab File: BM046134.D
Acq: 20 Jun 2024 21:51

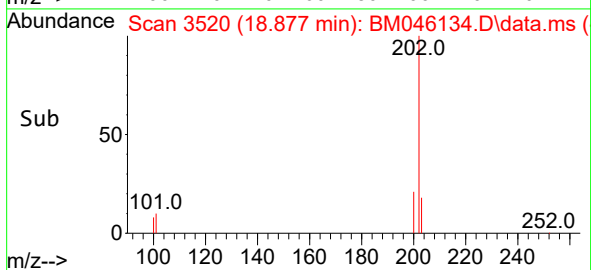
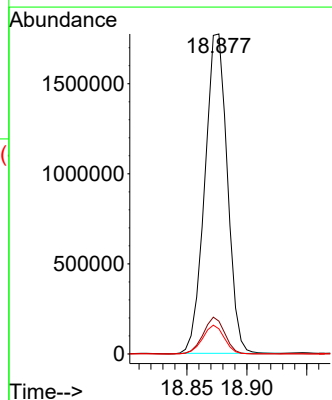
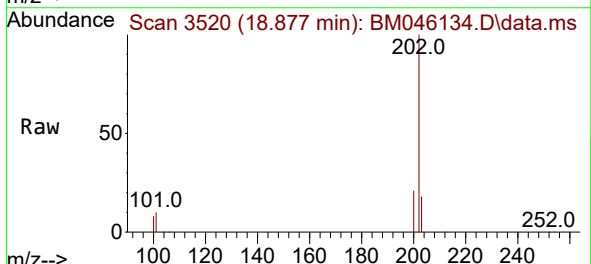
Instrument :
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ClientSampleId :
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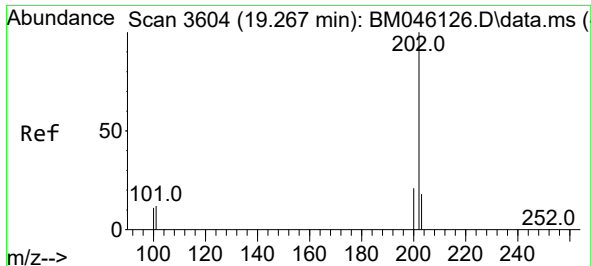
Tgt Ion:178 Resp: 198163
Ion Ratio Lower Upper
178 100
179 17.2 14.2 21.2
176 18.9 17.1 25.7



#19
Fluoranthene
Concen: 463.987 ng/ul
RT: 18.877 min Scan# 3520
Delta R.T. -0.040 min
Lab File: BM046134.D
Acq: 20 Jun 2024 21:51

Tgt Ion:202 Resp: 2314345
Ion Ratio Lower Upper
202 100
101 10.3 9.6 14.4
100 7.8 7.6 11.4

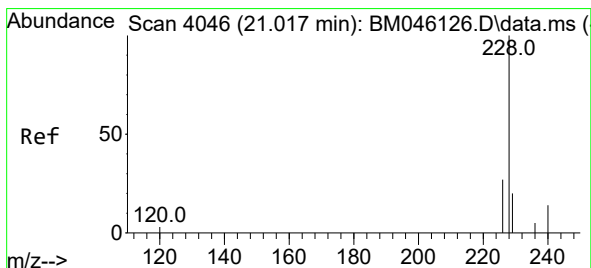
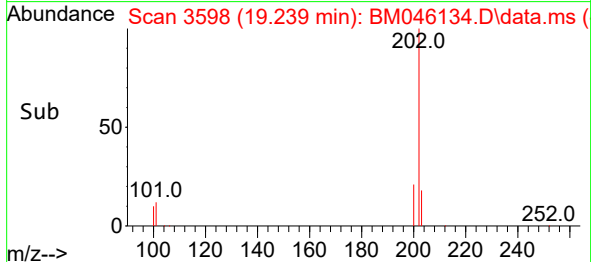
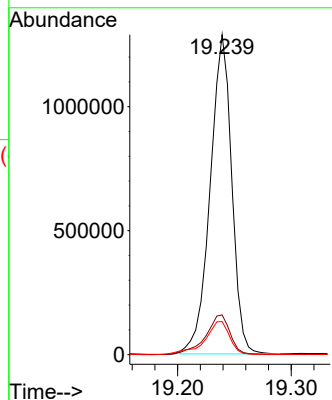
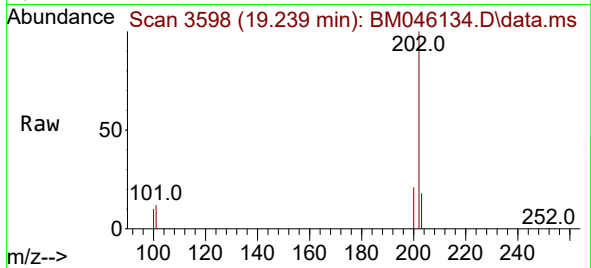




#20
Pyrene
Concen: 314.152 ng/ul
RT: 19.239 min Scan# 31
Delta R.T. -0.036 min
Lab File: BM046134.D
Acq: 20 Jun 2024 21:51

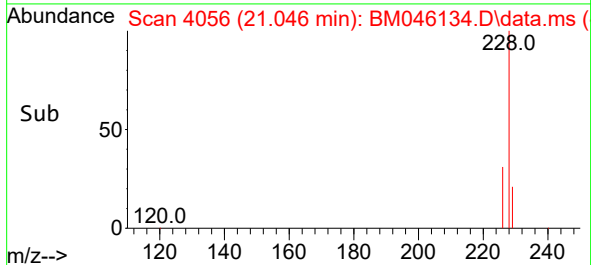
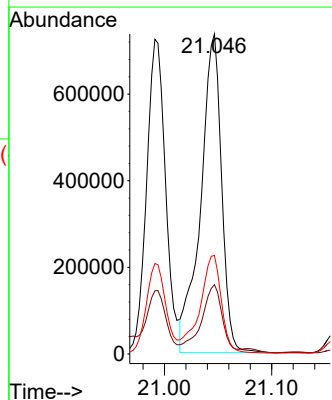
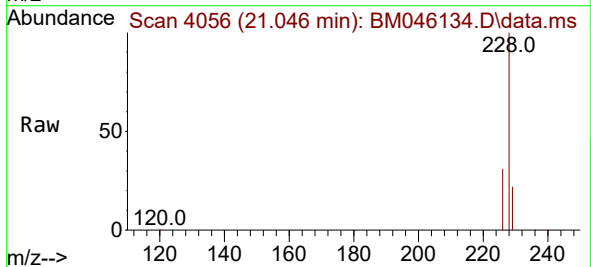
Instrument :
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ClientSampleId :
A4B23

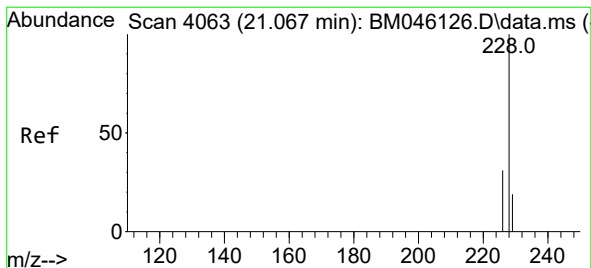
Tgt Ion:202 Resp: 1694613
Ion Ratio Lower Upper
202 100
101 12.4 11.3 16.9
100 10.4 9.8 14.6



#21
Benzo(a)anthracene
Concen: 223.763 ng/ul
RT: 21.046 min Scan# 4056
Delta R.T. 0.017 min
Lab File: BM046134.D
Acq: 20 Jun 2024 21:51

Tgt Ion:228 Resp: 995691
Ion Ratio Lower Upper
228 100
229 21.7 16.4 24.6
226 30.8 23.4 35.2





#22

Chrysene

Concen: 175.337 ng/ul

RT: 21.046 min Scan# 4063

Delta R.T. -0.030 min

Lab File: BM046134.D

Acq: 20 Jun 2024 21:51

Instrument :

BNA_M

ClientSampleId :

A4B23

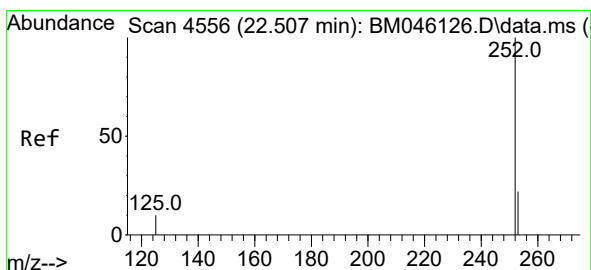
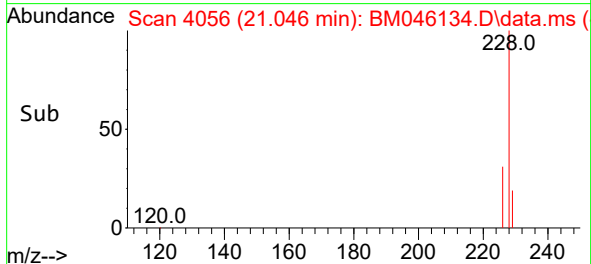
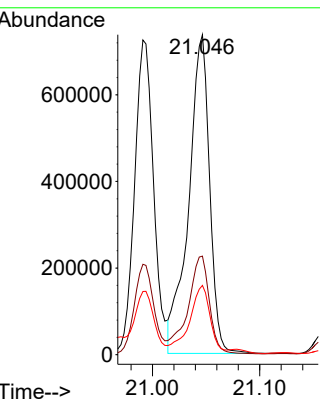
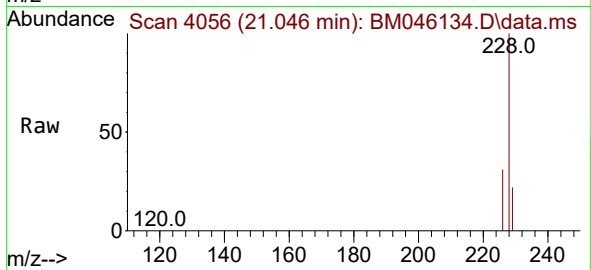
Tgt Ion:228 Resp: 995691

Ion Ratio Lower Upper

228 100

226 30.8 25.2 37.8

229 21.7 16.3 24.5



#24

Benzo(b)fluoranthene

Concen: 41.042 ng/ul

RT: 22.490 min Scan# 4550

Delta R.T. -0.030 min

Lab File: BM046134.D

Acq: 20 Jun 2024 21:51

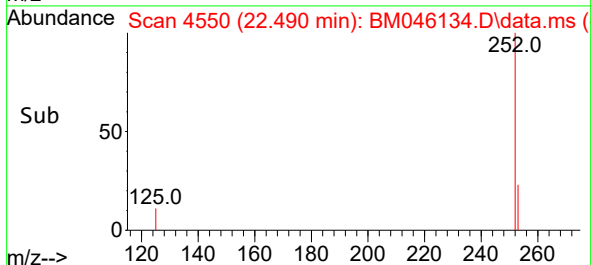
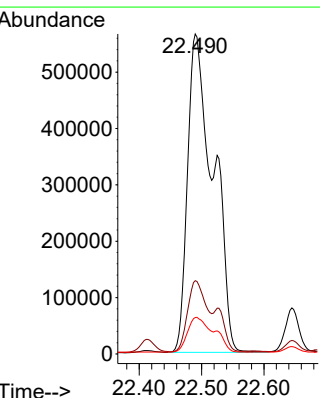
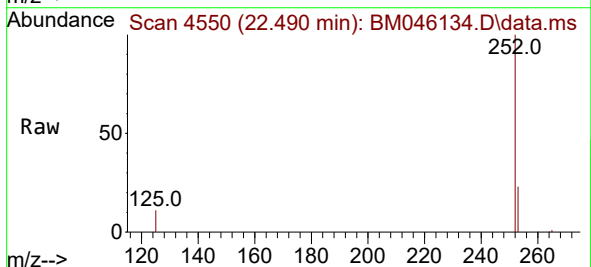
Tgt Ion:252 Resp: 1619721

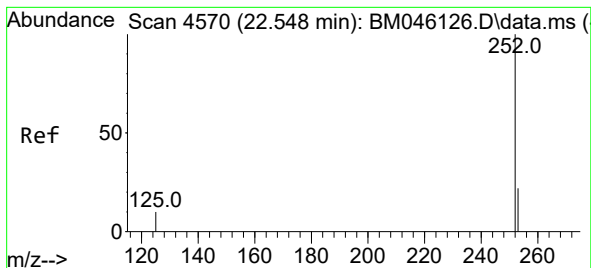
Ion Ratio Lower Upper

252 100

253 22.9 0.0 65.8

125 11.4 0.0 40.2





#25

Benzo(k)fluoranthene

Concen: 34.522 ng/ul

RT: 22.490 min Scan# 4

Delta R.T. -0.073 min

Lab File: BM046134.D

Acq: 20 Jun 2024 21:51

Instrument :

BNA_M

ClientSampleId :

A4B23

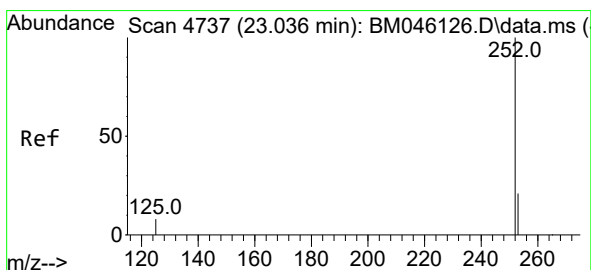
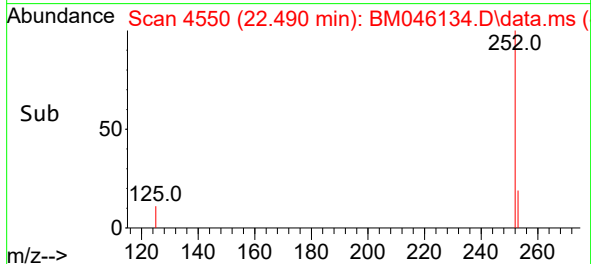
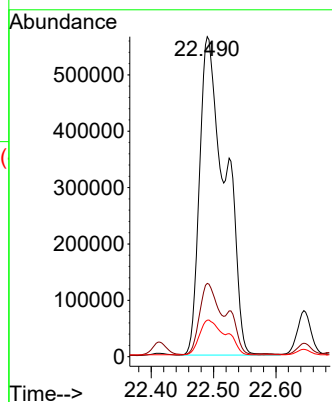
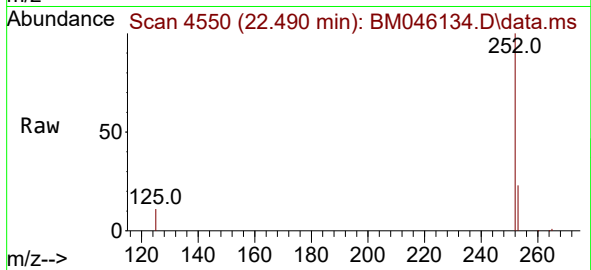
Tgt Ion:252 Resp: 1619721

Ion Ratio Lower Upper

252 100

253 22.9 27.2 40.8#

125 11.4 16.6 25.0#



#26

Benzo(a)pyrene

Concen: 1.063 ng/ul

RT: 23.148 min Scan# 4775

Delta R.T. 0.093 min

Lab File: BM046134.D

Acq: 20 Jun 2024 21:51

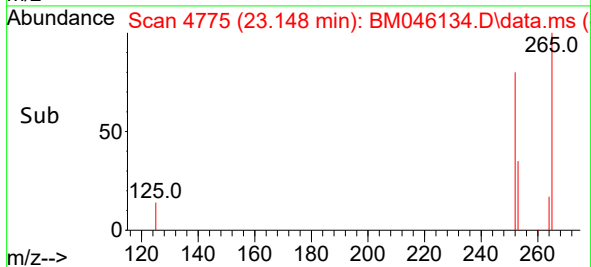
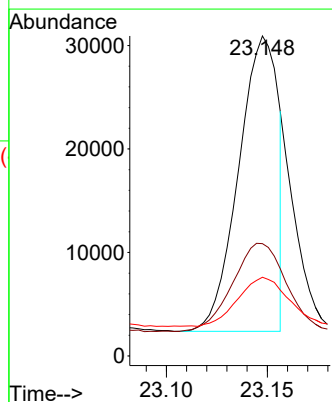
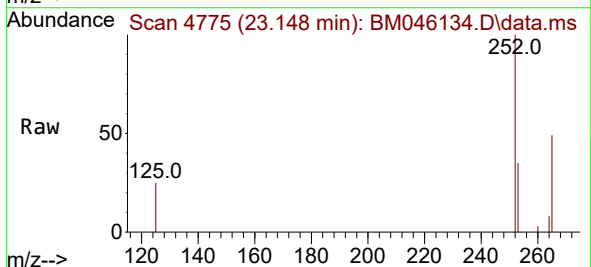
Tgt Ion:252 Resp: 38868

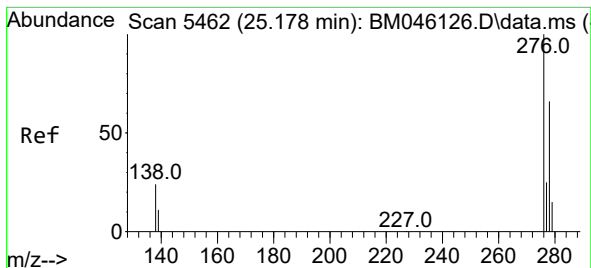
Ion Ratio Lower Upper

252 100

253 35.1 32.1 48.1

125 24.6 21.2 31.8





#27

Indeno(1,2,3-cd)pyrene

Concen: 6.927 ng/ul

RT: 25.148 min Scan# 54

Delta R.T. -0.054 min

Lab File: BM046134.D

Acq: 20 Jun 2024 21:51

Instrument :

BNA_M

ClientSampleId :

A4B23

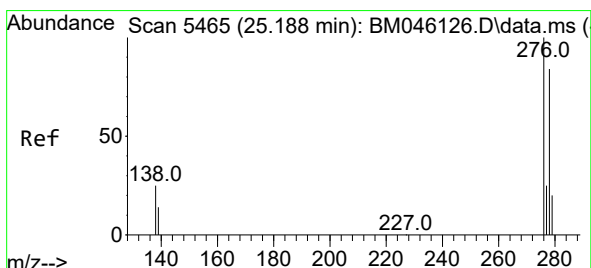
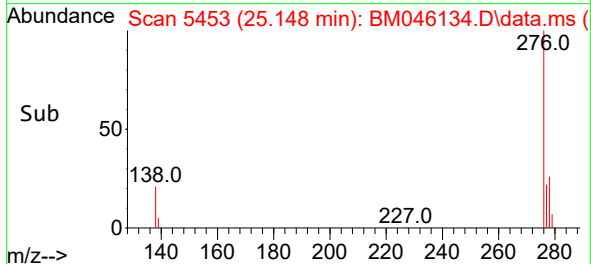
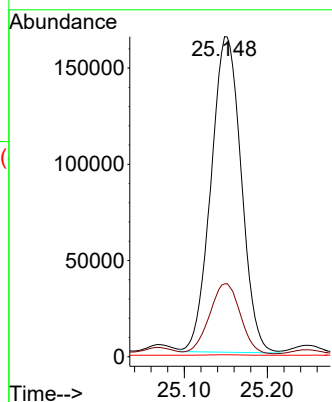
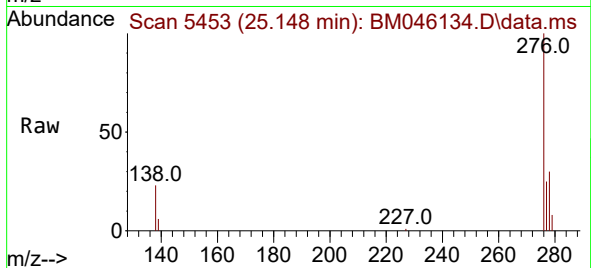
Tgt Ion:276 Resp: 414613

Ion Ratio Lower Upper

276 100

138 22.7 21.0 31.4

227 0.2 0.0 0.0#



#28

Dibenzo(a,h)anthracene

Concen: 3.201 ng/ul

RT: 25.152 min Scan# 5454

Delta R.T. -0.064 min

Lab File: BM046134.D

Acq: 20 Jun 2024 21:51

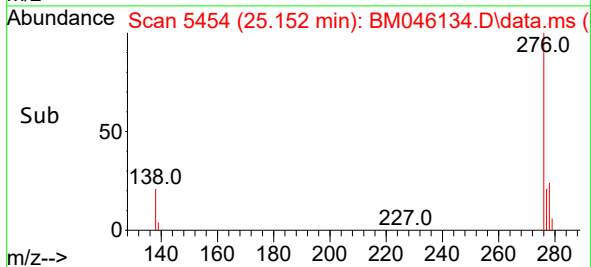
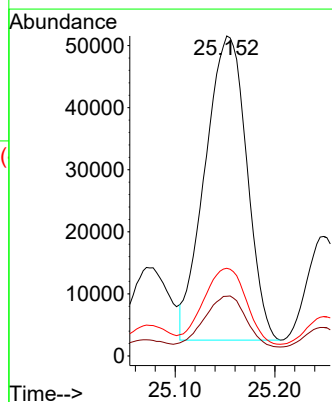
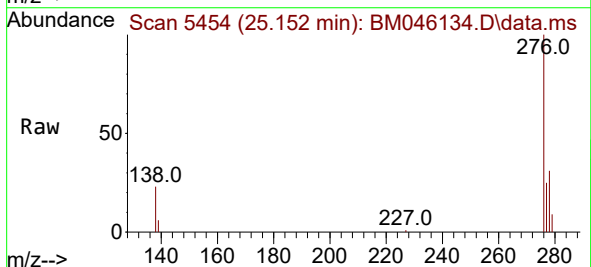
Tgt Ion:278 Resp: 142641

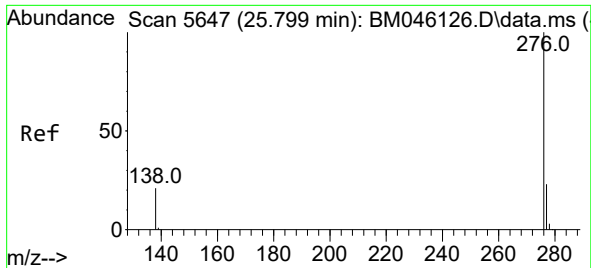
Ion Ratio Lower Upper

278 100

139 18.7 17.6 26.4

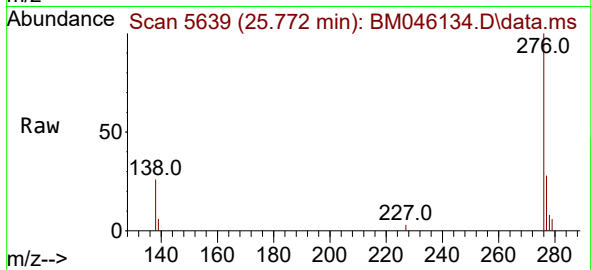
279 27.4 26.3 39.5





#29
 Benzo(g,h,i)perylene
 Concen: 1.124 ng/ul
 RT: 25.772 min Scan# 50
 Delta R.T. -0.057 min
 Lab File: BM046134.D
 Acq: 20 Jun 2024 21:51

Instrument :
 BNA_M
 ClientSampleId :
 A4B23



Tgt Ion:	276	Resp:	57705
Ion	Ratio	Lower	Upper
276	100		
138	26.2	21.7	32.5
277	27.6	20.4	30.6

