

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070524\
 Data File : BM046424.D
 Acq On : 06 Jul 2024 18:14
 Operator : MA/JU
 Sample : P2982-26
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4CT9

Quant Time: Jul 08 00:49:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM070524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 05 16:01:25 2024
 Response via : Initial Calibration

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

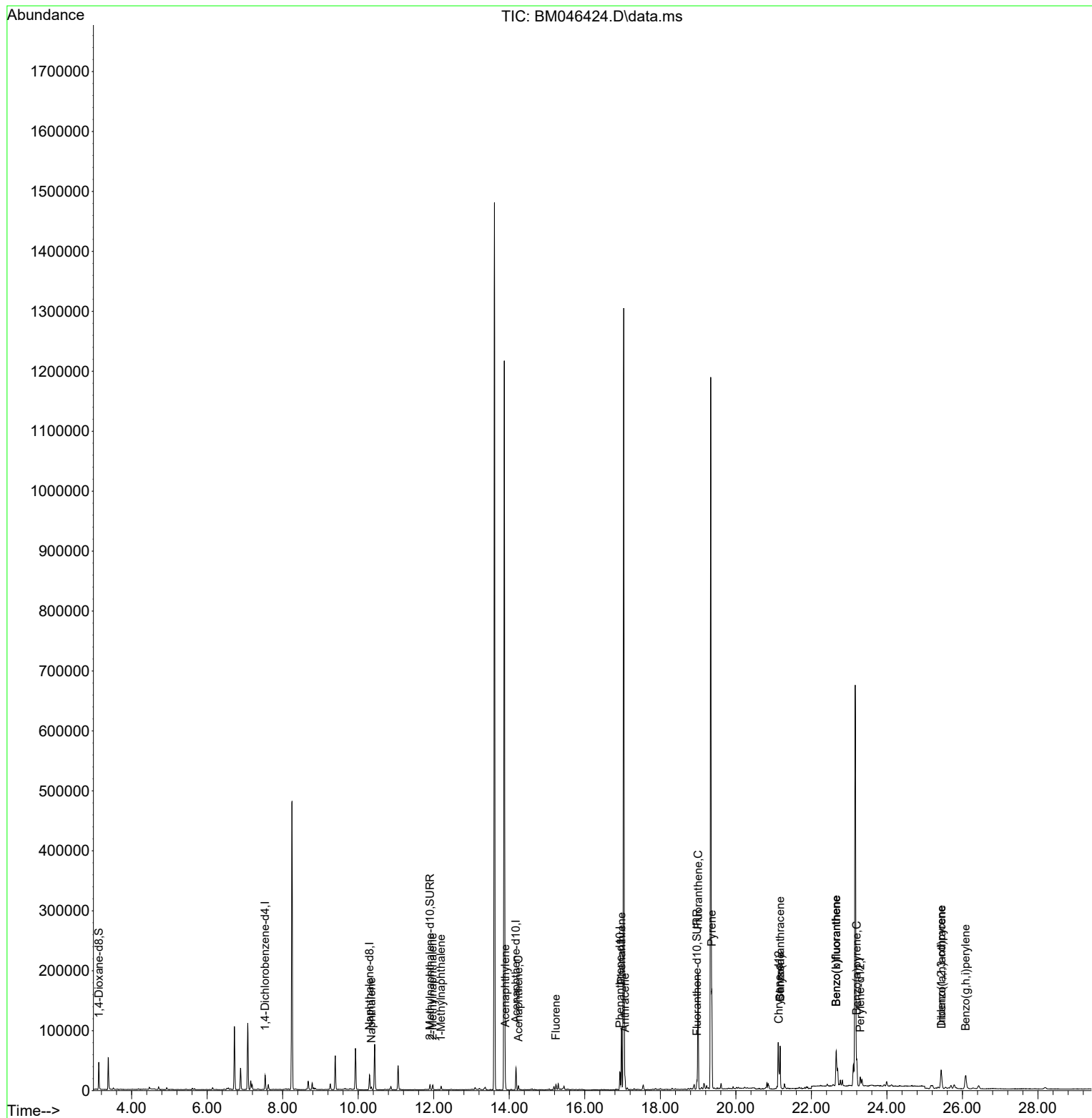
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.535	152	10763	0.400	ng/ul	0.00
4) Naphthalene-d8	10.297	136	32467	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.177	164	19530	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.933	188	36258	0.400	ng/ul	0.00
17) Chrysene-d12	21.137	240	16799	0.400	ng/ul	0.00
23) Perylene-d12	23.294	264	16309	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.130	96	25572	2.300	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.903	152	10801	0.225	ng/ul	0.00
18) Fluoranthene-d10	18.968	212	14639	0.249	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.347	128	5913	0.069	ng/ul#	94
7) 2-Methylnaphthalene	11.974	142	5405	0.093	ng/ul	99
8) 1-Methylnaphthalene	12.194	142	3704	0.062	ng/ul	99
10) Acenaphthylene	13.895	152	12757	0.129	ng/ul	97
11) Acenaphthene	14.242	153	4117	0.064	ng/ul	97
12) Fluorene	15.236	166	5711	0.075	ng/ul#	96
15) Phenanthrene	16.971	178	103243	0.951	ng/ul	99
16) Anthracene	17.064	178	20143	0.191	ng/ul	98
19) Fluoranthene	19.001	202	174938	2.060	ng/ul#	97
20) Pyrene	19.363	202	139774	1.600	ng/ul#	94
21) Benzo(a)anthracene	21.172	228	70193	0.935	ng/ul	94
22) Chrysene	21.172	228	71196	0.954	ng/ul	97
24) Benzo(b)fluoranthene	22.657	252	123133	1.776	ng/ul	98
25) Benzo(k)fluoranthene	22.657	252	123133	1.759	ng/ul	98
26) Benzo(a)pyrene	23.201	252	54754	0.999	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	25.437	276	48250	0.652	ng/ul#	87
28) Dibenzo(a,h)anthracene	25.447	278	11180	0.195	ng/ul#	73
29) Benzo(g,h,i)perylene	26.088	276	47997	0.813	ng/ul	97

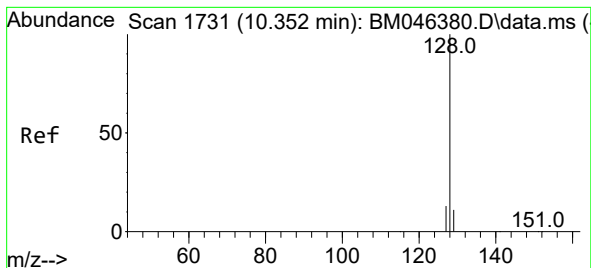
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.069 ng/ul

RT: 10.347 min Scan# 1

Delta R.T. -0.005 min

Lab File: BM046424.D

Acq: 06 Jul 2024 18:14

Instrument :

BNA_M

ClientSampleId :

A4CT9

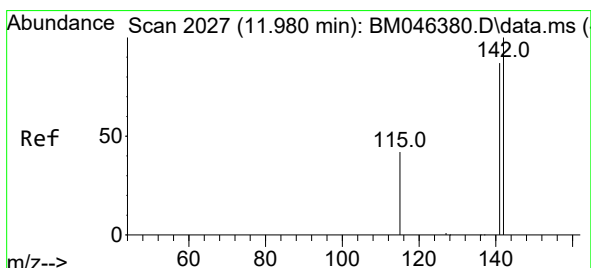
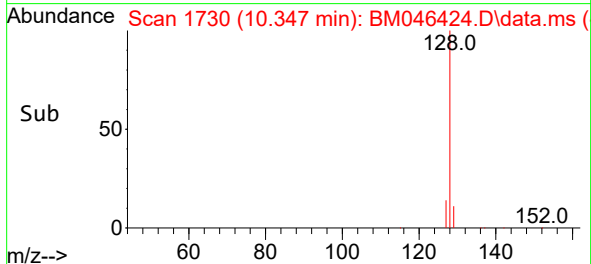
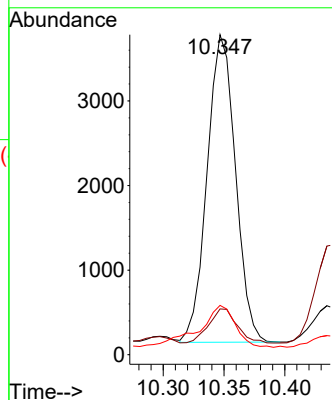
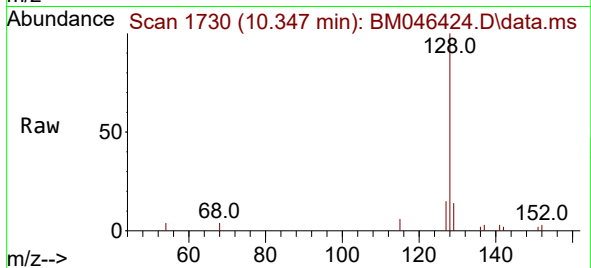
Tgt Ion:128 Resp: 5913

Ion Ratio Lower Upper

128 100

129 14.3 9.4 14.0#

127 15.4 10.8 16.2



#7

2-Methylnaphthalene

Concen: 0.093 ng/ul

RT: 11.974 min Scan# 2026

Delta R.T. -0.005 min

Lab File: BM046424.D

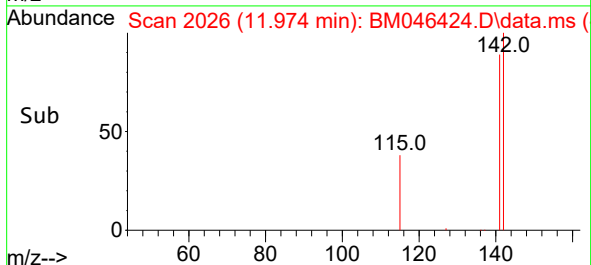
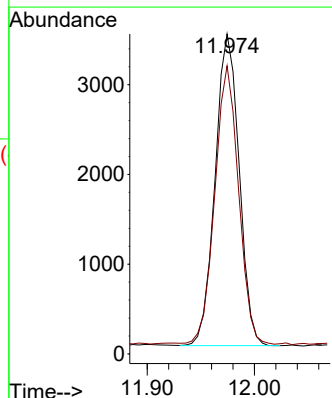
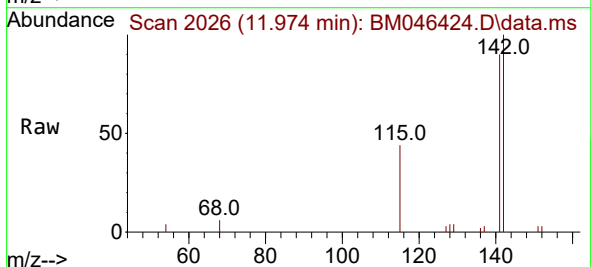
Acq: 06 Jul 2024 18:14

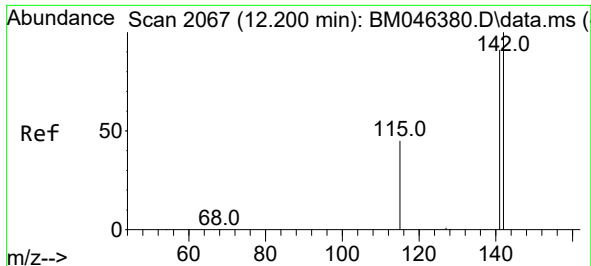
Tgt Ion:142 Resp: 5405

Ion Ratio Lower Upper

142 100

141 88.5 69.8 104.6

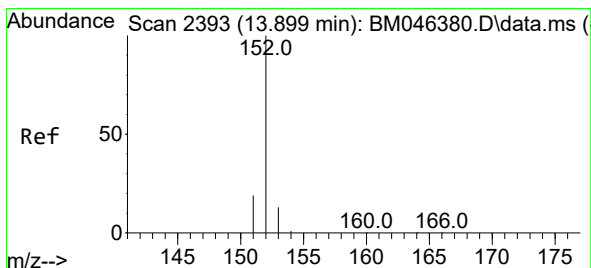
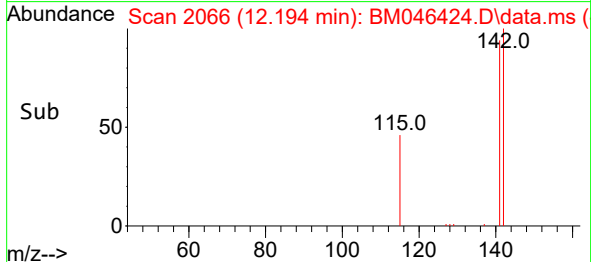
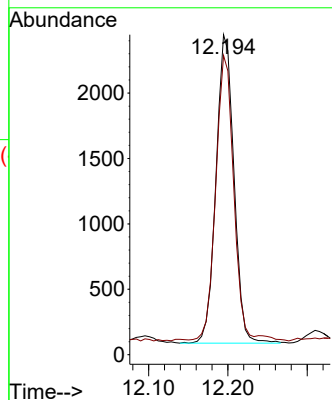
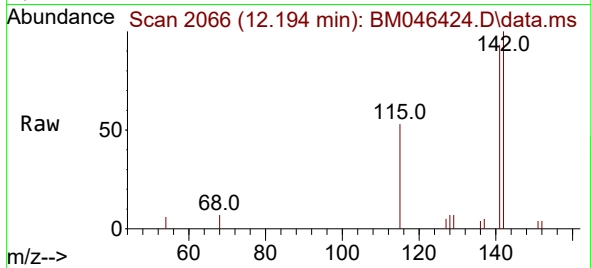




#8
1-Methylnaphthalene
Concen: 0.062 ng/ul
RT: 12.194 min Scan# 2066
Delta R.T. -0.005 min
Lab File: BM046424.D
Acq: 06 Jul 2024 18:14

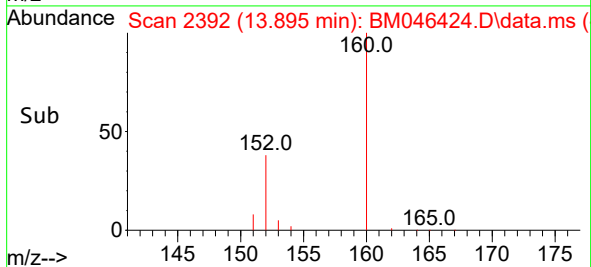
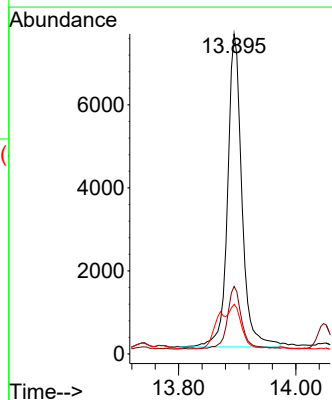
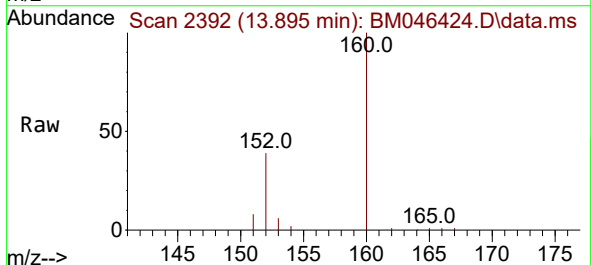
Instrument :
BNA_M
ClientSampleId :
A4CT9

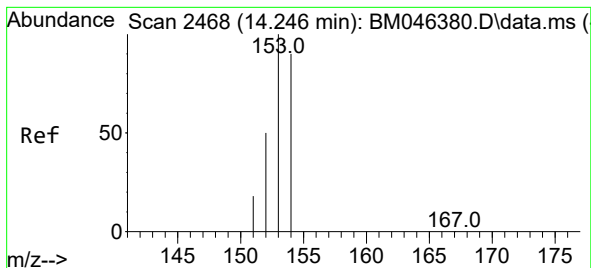
Tgt Ion:142 Resp: 3704
Ion Ratio Lower Upper
142 100
141 91.9 72.4 108.6



#10
Acenaphthylene
Concen: 0.129 ng/ul
RT: 13.895 min Scan# 2392
Delta R.T. -0.005 min
Lab File: BM046424.D
Acq: 06 Jul 2024 18:14

Tgt Ion:152 Resp: 12757
Ion Ratio Lower Upper
152 100
151 21.1 15.9 23.9
153 15.5 11.0 16.6





#11

Acenaphthene

Concen: 0.064 ng/ul

RT: 14.242 min Scan# 2467

Delta R.T. -0.005 min

Lab File: BM046424.D

Acq: 06 Jul 2024 18:14

Instrument :

BNA_M

ClientSampleId :

A4CT9

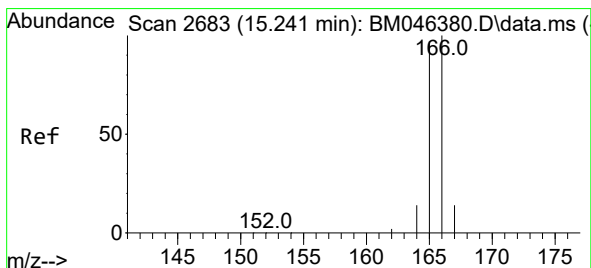
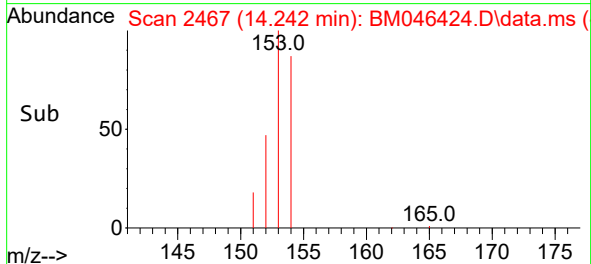
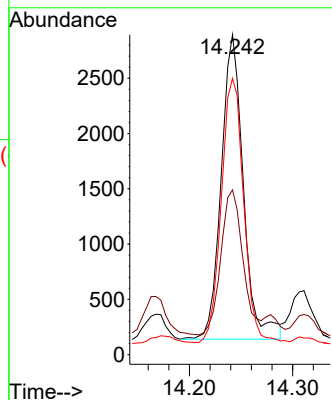
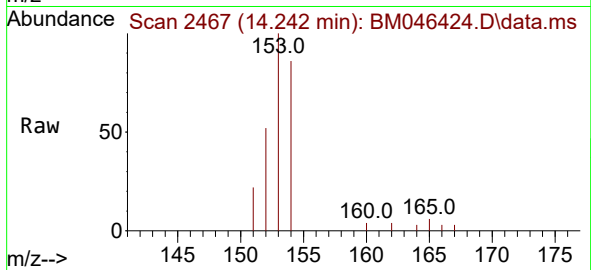
Tgt Ion:153 Resp: 4117

Ion Ratio Lower Upper

153 100

152 51.5 40.4 60.6

154 86.4 72.1 108.1



#12

Fluorene

Concen: 0.075 ng/ul

RT: 15.236 min Scan# 2682

Delta R.T. -0.005 min

Lab File: BM046424.D

Acq: 06 Jul 2024 18:14

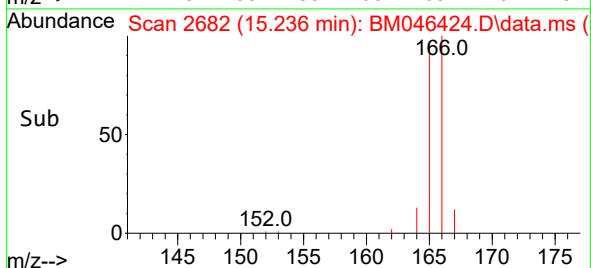
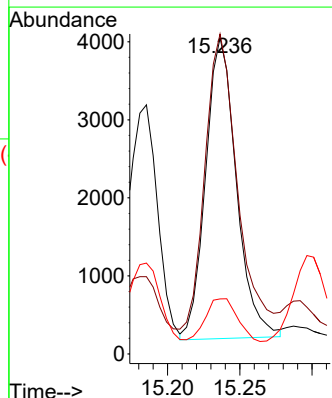
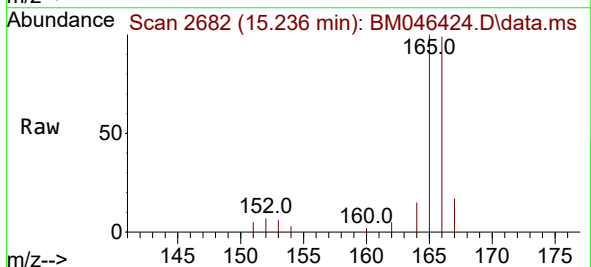
Tgt Ion:166 Resp: 5711

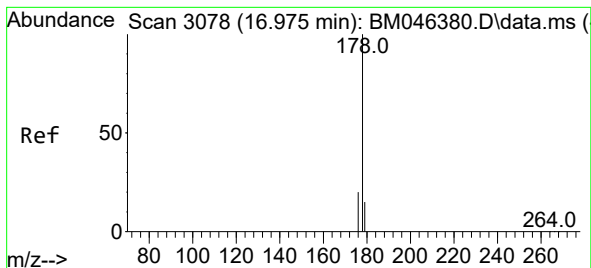
Ion Ratio Lower Upper

166 100

165 101.2 78.0 117.0

167 17.4 11.4 17.0#





#15

Phenanthrene

Concen: 0.951 ng/ul

RT: 16.971 min Scan# 3099

Delta R.T. -0.004 min

Lab File: BM046424.D

Acq: 06 Jul 2024 18:14

Instrument :

BNA_M

ClientSampleId :

A4CT9

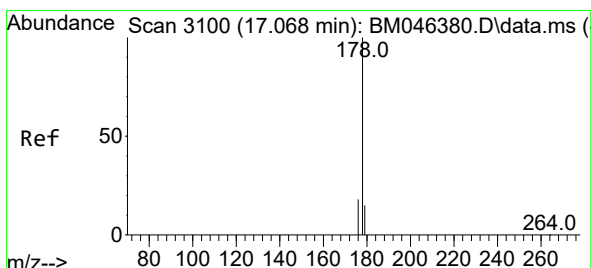
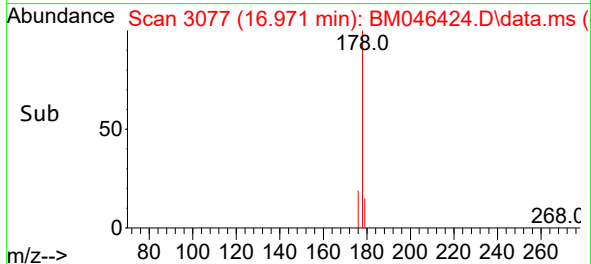
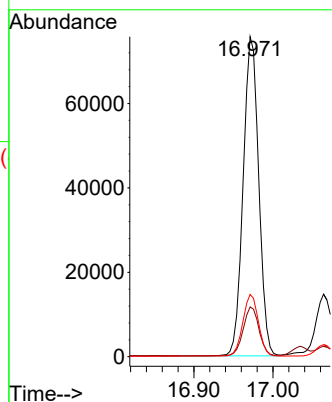
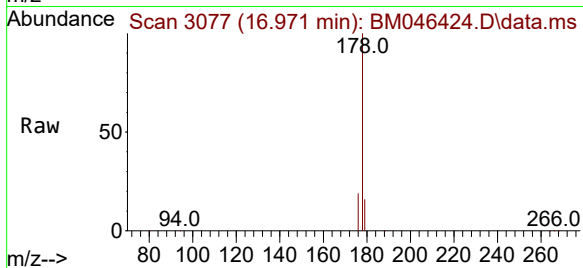
Tgt Ion:178 Resp: 103243

Ion Ratio Lower Upper

178 100

179 15.5 12.7 19.1

176 19.5 16.0 24.0



#16

Anthracene

Concen: 0.191 ng/ul

RT: 17.064 min Scan# 3099

Delta R.T. -0.004 min

Lab File: BM046424.D

Acq: 06 Jul 2024 18:14

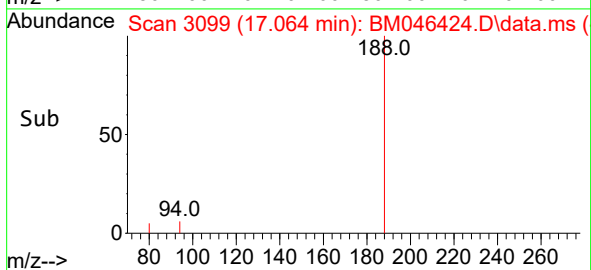
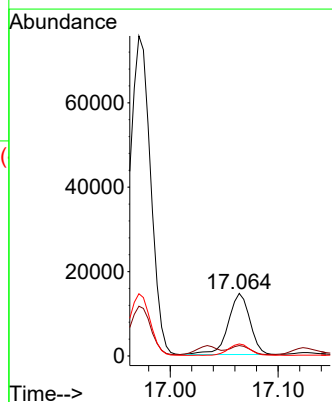
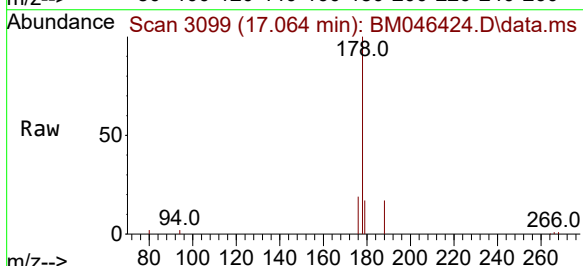
Tgt Ion:178 Resp: 20143

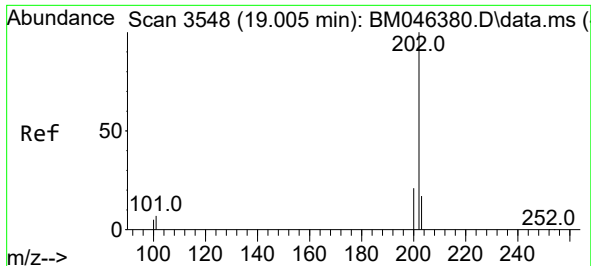
Ion Ratio Lower Upper

178 100

179 16.6 12.6 18.8

176 19.3 14.9 22.3

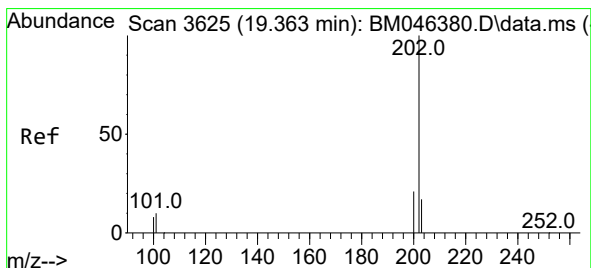
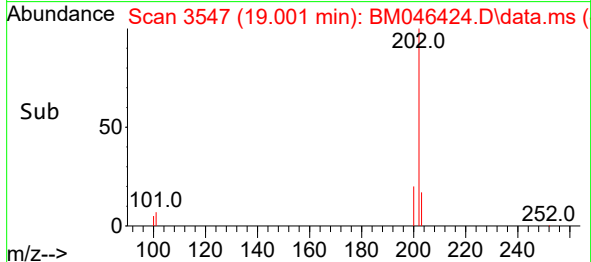
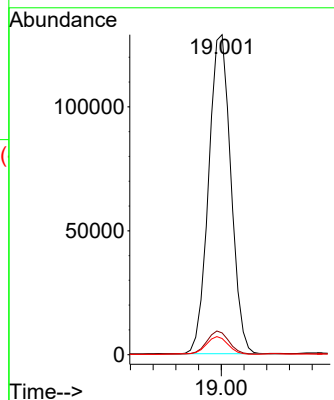
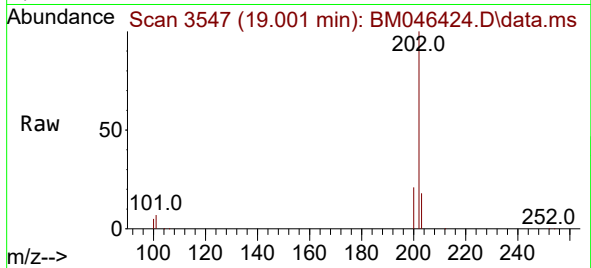




#19
Fluoranthene
Concen: 2.060 ng/ul
RT: 19.001 min Scan# 31
Delta R.T. -0.005 min
Lab File: BM046424.D
Acq: 06 Jul 2024 18:14

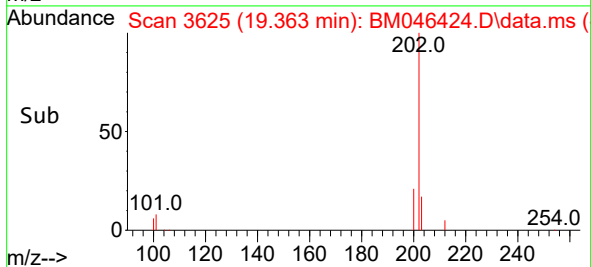
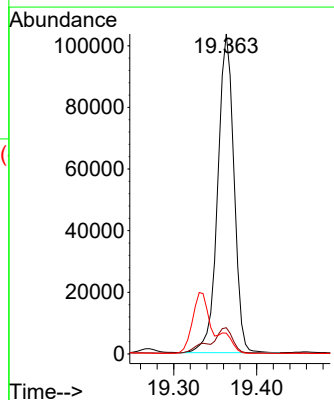
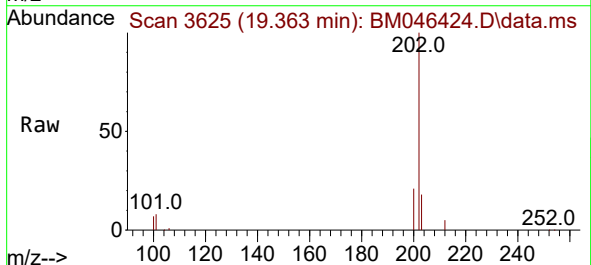
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BNA_M
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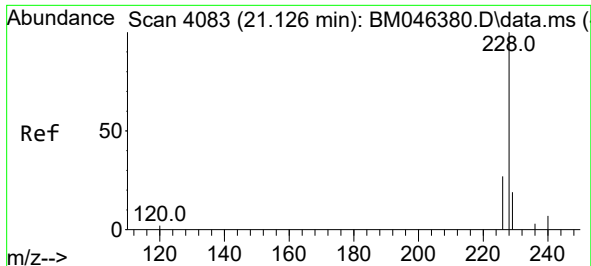
Tgt Ion:202 Resp: 174938
Ion Ratio Lower Upper
202 100
101 6.8 6.3 9.5
100 5.0 5.0 7.6#



#20
Pyrene
Concen: 1.600 ng/ul
RT: 19.363 min Scan# 3625
Delta R.T. 0.000 min
Lab File: BM046424.D
Acq: 06 Jul 2024 18:14

Tgt Ion:202 Resp: 139774
Ion Ratio Lower Upper
202 100
101 8.2 8.2 12.4#
100 6.5 6.9 10.3#

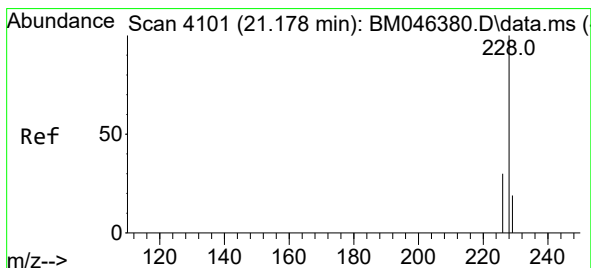
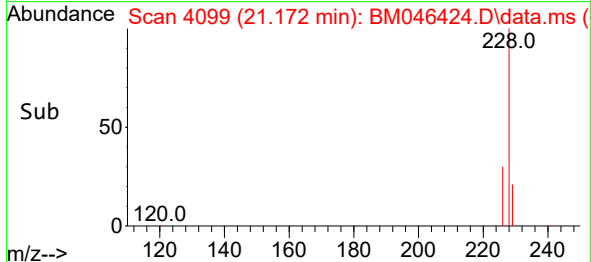
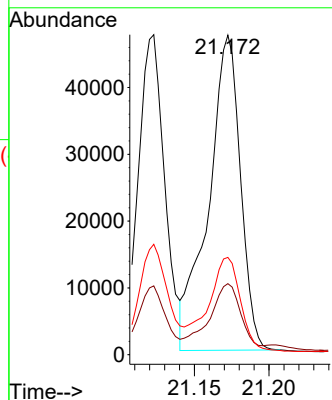
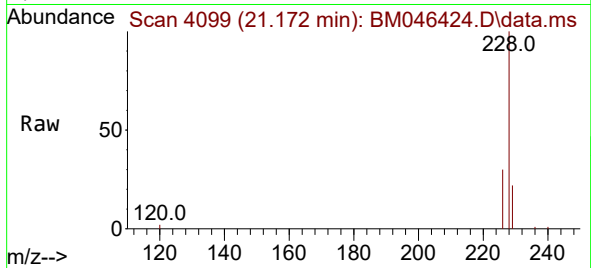




#21
Benzo(a)anthracene
Concen: 0.935 ng/ul
RT: 21.172 min Scan# 4099
Delta R.T. 0.047 min
Lab File: BM046424.D
Acq: 06 Jul 2024 18:14

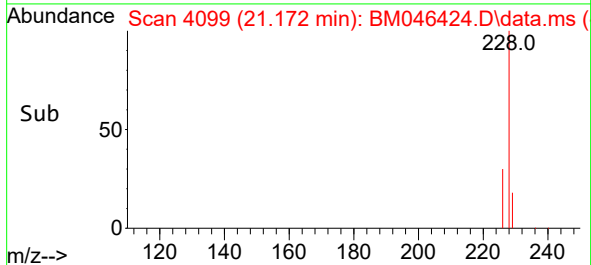
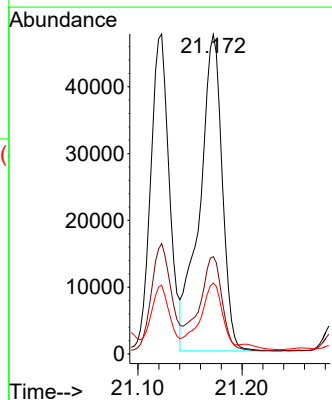
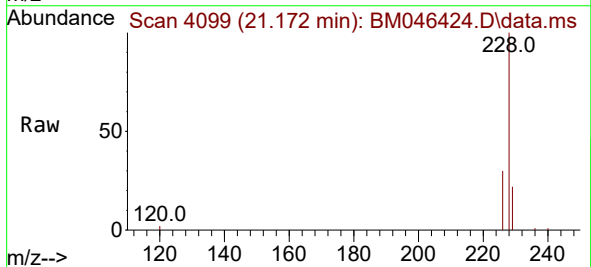
Instrument :
BNA_M
ClientSampleId :
A4CT9

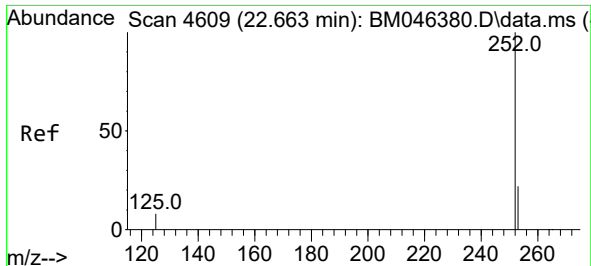
Tgt Ion:228	Resp:	70193
Ion	Ratio	Lower Upper
228	100	
229	22.2	15.8 23.6
226	30.5	22.0 33.0



#22
Chrysene
Concen: 0.954 ng/ul
RT: 21.172 min Scan# 4099
Delta R.T. -0.006 min
Lab File: BM046424.D
Acq: 06 Jul 2024 18:14

Tgt Ion:228	Resp:	71196
Ion	Ratio	Lower Upper
228	100	
226	30.5	24.1 36.1
229	22.2	15.8 23.6

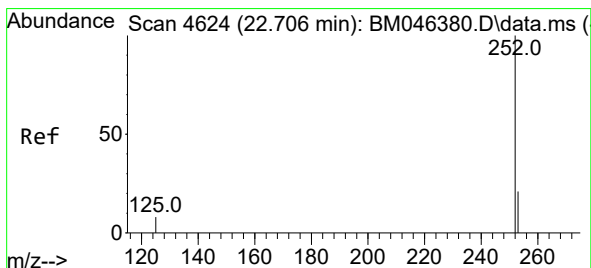
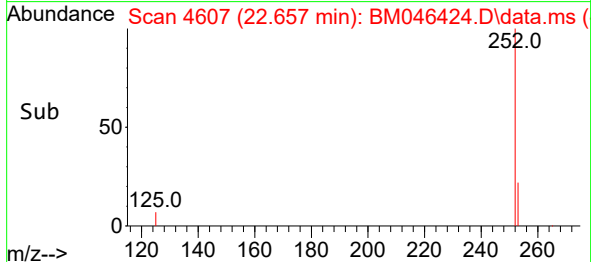
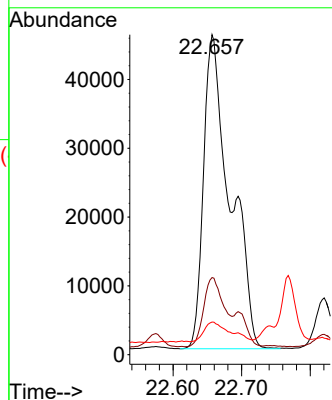
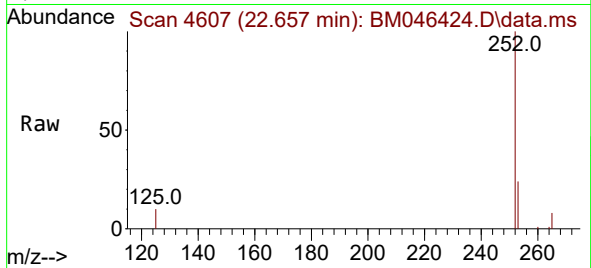




#24
Benzo(b)fluoranthene
Concen: 1.776 ng/ul
RT: 22.657 min Scan# 4607
Delta R.T. -0.006 min
Lab File: BM046424.D
Acq: 06 Jul 2024 18:14

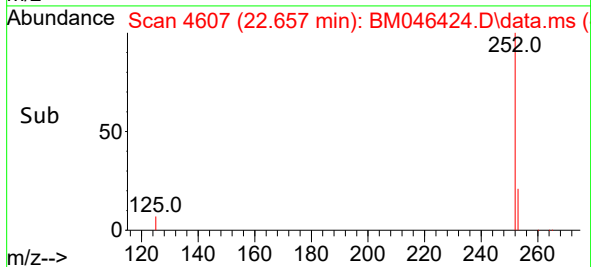
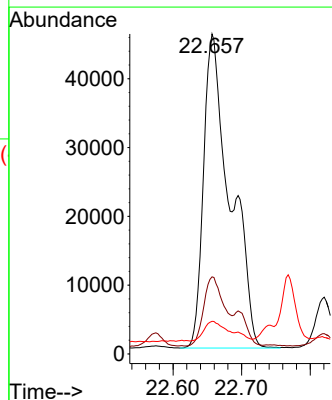
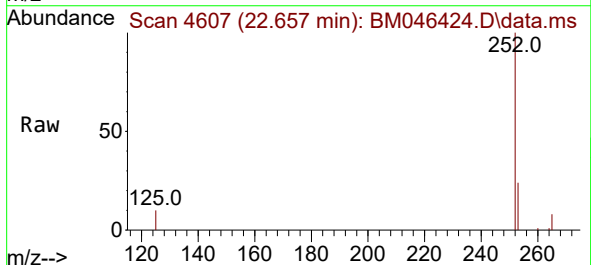
Instrument :
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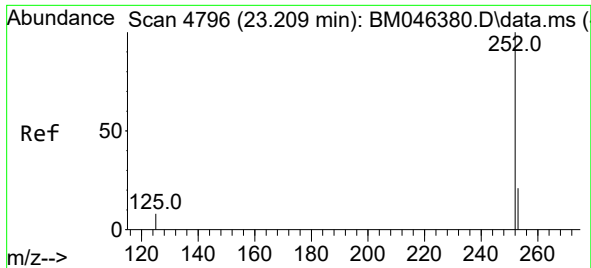
Tgt Ion:252 Resp: 123133
Ion Ratio Lower Upper
252 100
253 24.1 0.0 47.0
125 10.2 0.0 18.4



#25
Benzo(k)fluoranthene
Concen: 1.759 ng/ul
RT: 22.657 min Scan# 4607
Delta R.T. -0.050 min
Lab File: BM046424.D
Acq: 06 Jul 2024 18:14

Tgt Ion:252 Resp: 123133
Ion Ratio Lower Upper
252 100
253 24.1 18.4 27.6
125 10.2 7.5 11.3

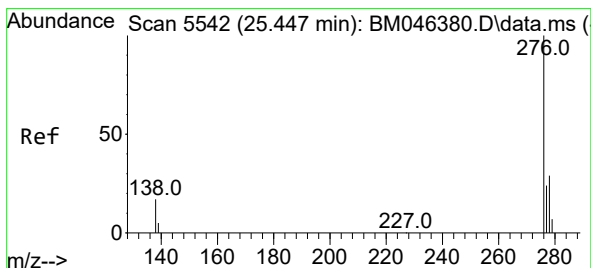
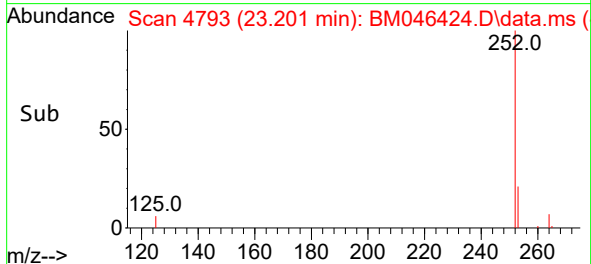
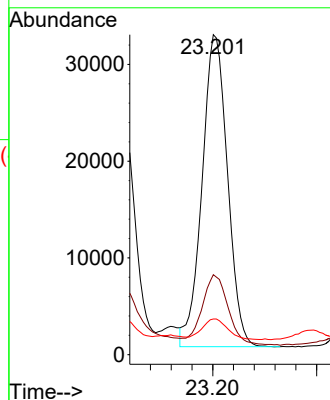
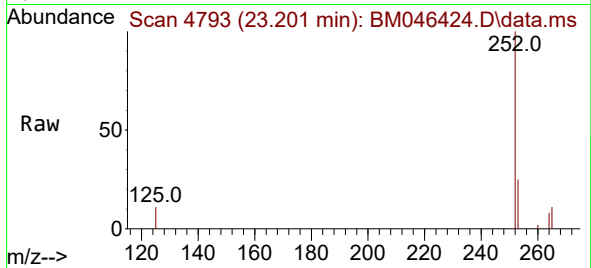




#26
Benzo(a)pyrene
Concen: 0.999 ng/ul
RT: 23.201 min Scan# 41
Delta R.T. -0.009 min
Lab File: BM046424.D
Acq: 06 Jul 2024 18:14

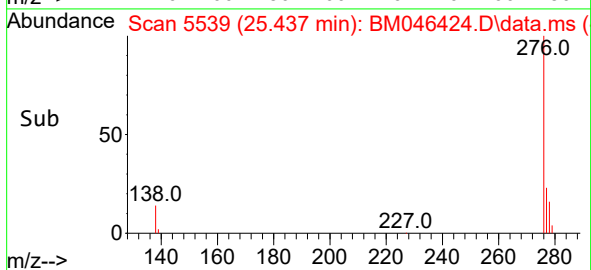
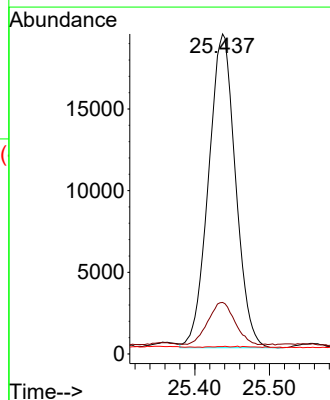
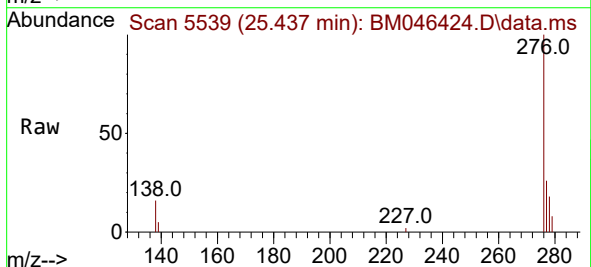
Instrument :
BNA_M
ClientSampleId :
A4CT9

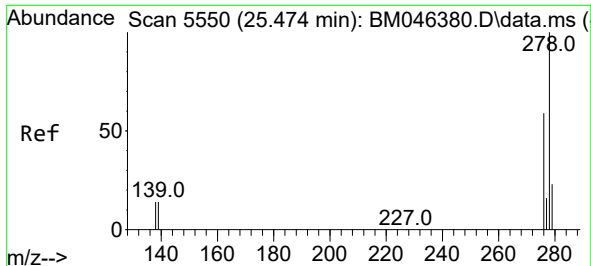
Tgt Ion:252 Resp: 54754
Ion Ratio Lower Upper
252 100
253 25.0 18.9 28.3
125 11.1 8.1 12.1



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.652 ng/ul
RT: 25.437 min Scan# 5539
Delta R.T. -0.010 min
Lab File: BM046424.D
Acq: 06 Jul 2024 18:14

Tgt Ion:276 Resp: 48250
Ion Ratio Lower Upper
276 100
138 13.7 15.7 23.5#
227 0.1 0.1 0.1#

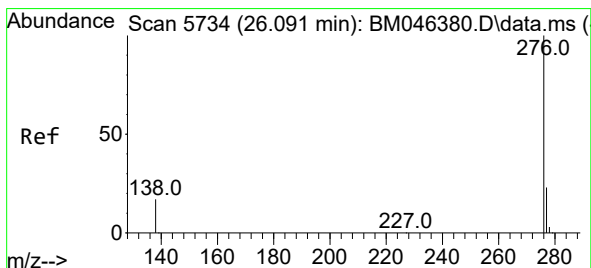
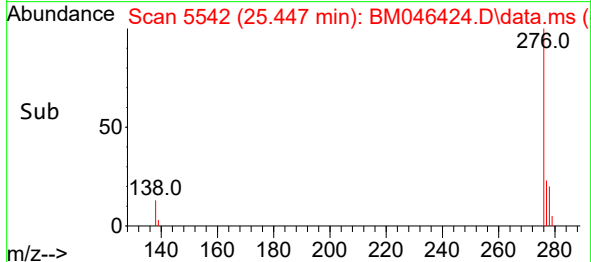
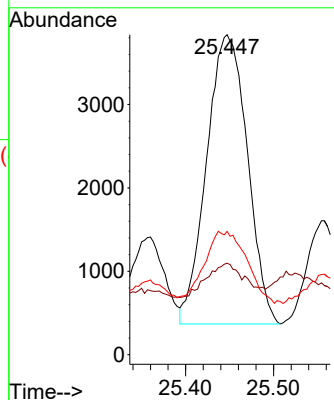
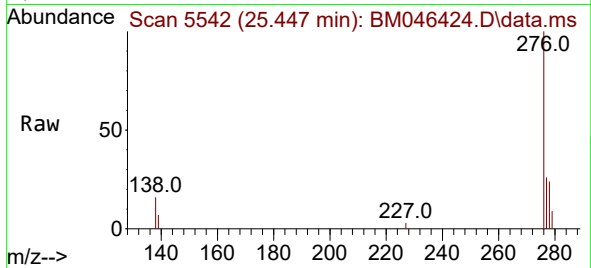




#28
 Dibenzo(a,h)anthracene
 Concen: 0.195 ng/ul
 RT: 25.447 min Scan# 511
 Delta R.T. -0.027 min
 Lab File: BM046424.D
 Acq: 06 Jul 2024 18:14

Instrument :
 BNA_M
 ClientSampleId :
 A4CT9

Tgt Ion:278 Resp: 11180
 Ion Ratio Lower Upper
 278 100
 139 28.6 12.6 18.8#
 279 38.5 20.7 31.1#



#29
 Benzo(g,h,i)perylene
 Concen: 0.813 ng/ul
 RT: 26.088 min Scan# 5733
 Delta R.T. -0.003 min
 Lab File: BM046424.D
 Acq: 06 Jul 2024 18:14

Tgt Ion:276 Resp: 47997
 Ion Ratio Lower Upper
 276 100
 138 16.9 15.4 23.0
 277 25.7 19.7 29.5

