

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071524\
 Data File : BM046642.D
 Acq On : 16 Jul 2024 20:42
 Operator : MA/JU
 Sample : P3177-13
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BX6

Quant Time: Jul 17 00:39:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 15 08:57:27 2024
 Response via : Initial Calibration

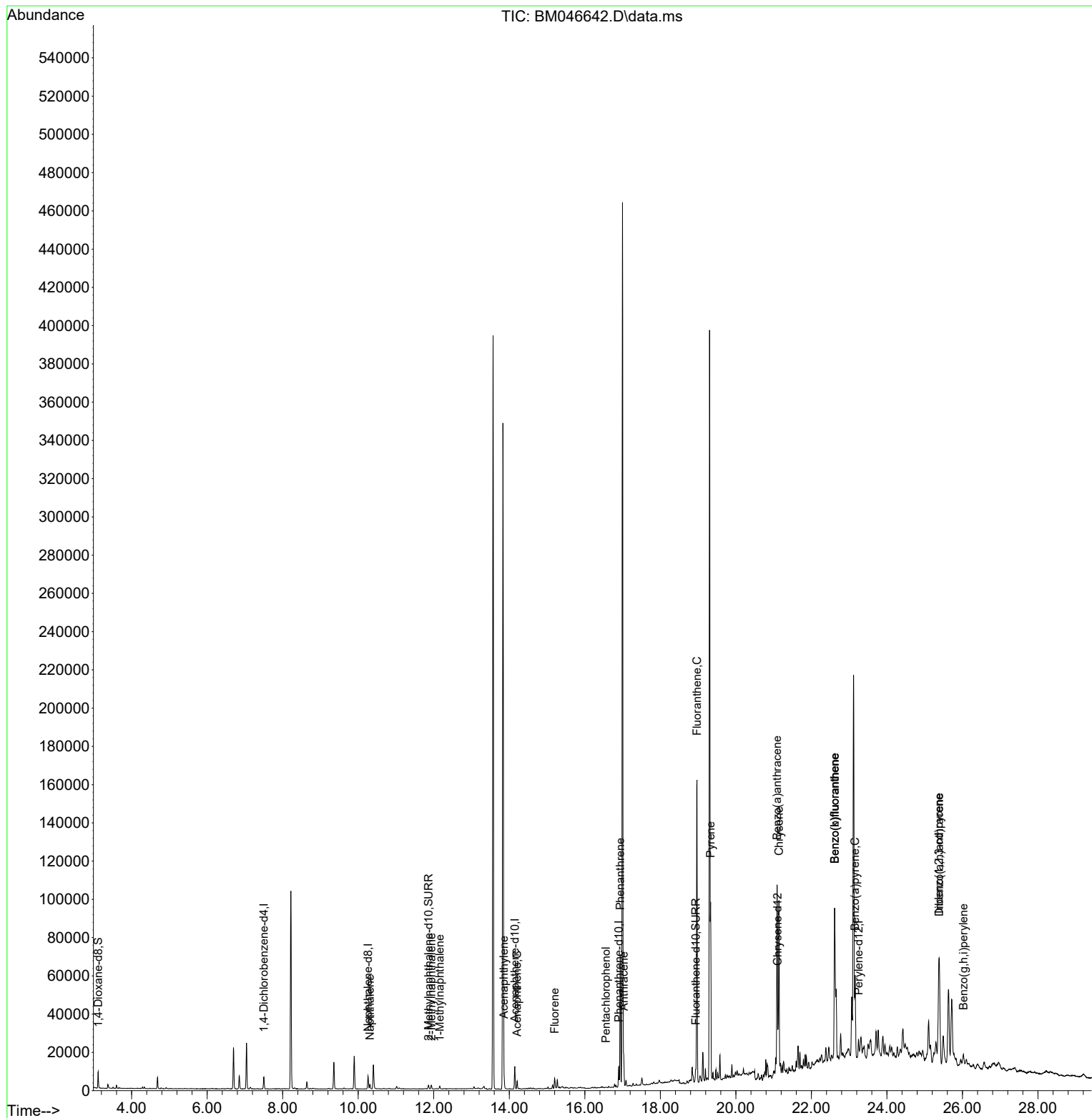
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.501	152	3118	0.400	ng/ul	0.00
4) Naphthalene-d8	10.260	136	8843	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.146	164	6249	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.901	188	13157	0.400	ng/ul #	0.00
17) Chrysene-d12	21.105	240	9292	0.400	ng/ul #	0.00
23) Perylene-d12	23.250	264	11488	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.113	96	5111	1.995	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.860	152	2622	0.184	ng/ul	0.00
18) Fluoranthene-d10	18.937	212	6561	0.232	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.309	128	3088	0.137	ng/ul	97
7) 2-Methylnaphthalene	11.937	142	1381	0.087	ng/ul	99
8) 1-Methylnaphthalene	12.157	142	906	0.056	ng/ul	96
10) Acenaphthylene	13.859	152	7501	0.264	ng/ul	100
11) Acenaphthene	14.206	153	2421	0.127	ng/ul	98
12) Fluorene	15.201	166	3444	0.146	ng/ul	95
14) Pentachlorophenol	16.559	266	164	0.025	ng/ul	96
15) Phenanthrene	16.939	178	69664	1.855	ng/ul	99
16) Anthracene	17.031	178	15679	0.428	ng/ul	98
19) Fluoranthene	18.969	202	142501	3.734	ng/ul	99
20) Pyrene	19.332	202	81343	1.968	ng/ul	99
21) Benzo(a)anthracene	21.090	228	76676	1.865	ng/ul#	93
22) Chrysene	21.140	228	83704	2.104	ng/ul#	94
24) Benzo(b)fluoranthene	22.615	252	162341	3.538	ng/ul	96
25) Benzo(k)fluoranthene	22.615	252	162341	3.604	ng/ul	96
26) Benzo(a)pyrene	23.156	252	57776	1.530	ng/ul#	96
27) Indeno(1,2,3-cd)pyrene	25.380	276	58819	1.023	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.386	278	64100	1.409	ng/ul#	75
29) Benzo(g,h,i)perylene	26.027	276	10192	0.222	ng/ul#	41

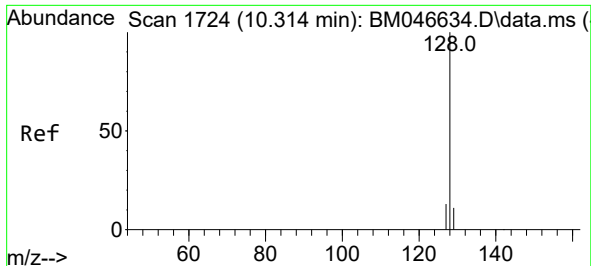
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 17 00:39:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 15 08:57:27 2024
Response via : Initial Calibration

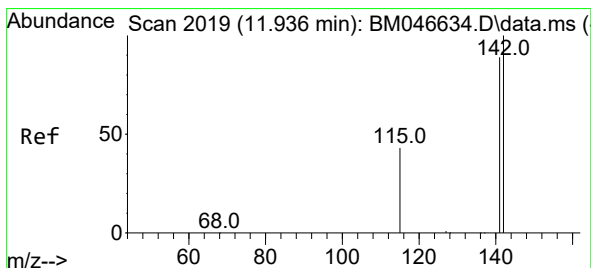
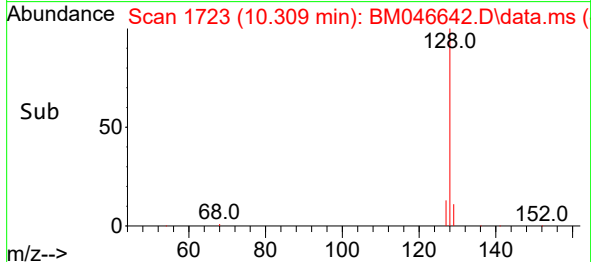
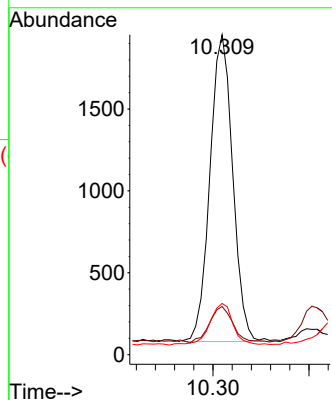
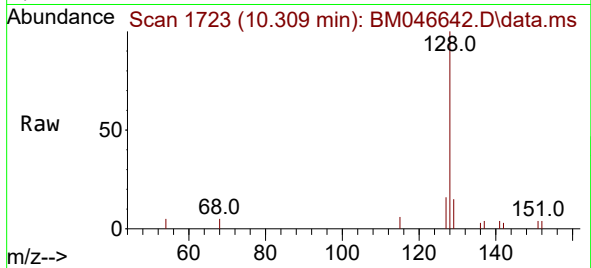




#5
Naphthalene
Concen: 0.137 ng/ul
RT: 10.309 min Scan# 1723
Delta R.T. -0.006 min
Lab File: BM046642.D
Acq: 16 Jul 2024 20:42

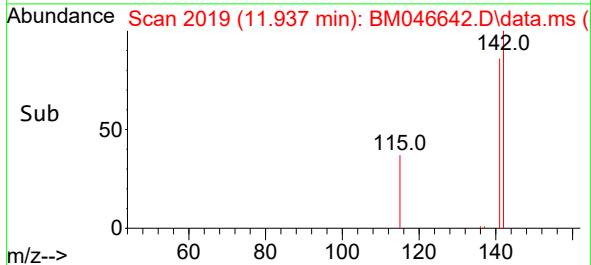
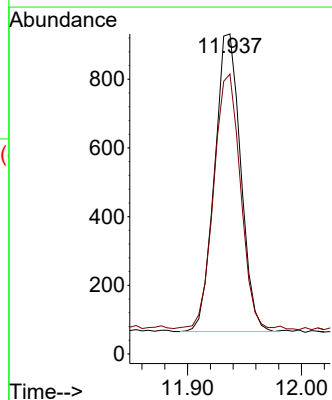
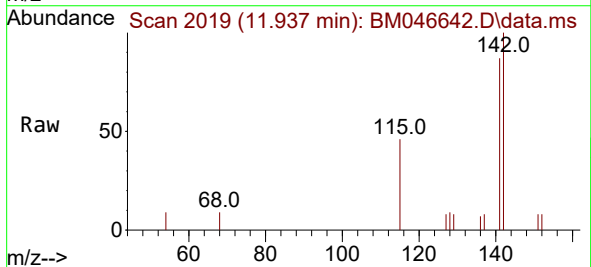
Instrument :
BNA_M
ClientSampleId :
A4BX6

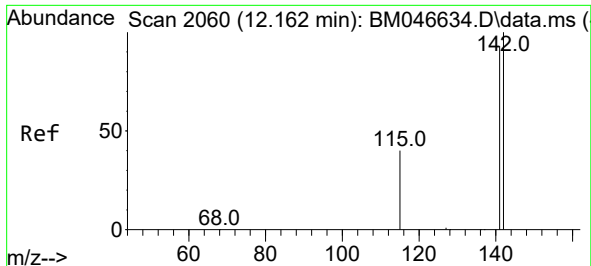
Tgt Ion:128 Resp: 3088
Ion Ratio Lower Upper
128 100
129 15.0 10.3 15.5
127 16.0 12.2 18.4



#7
2-Methylnaphthalene
Concen: 0.087 ng/ul
RT: 11.937 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BM046642.D
Acq: 16 Jul 2024 20:42

Tgt Ion:142 Resp: 1381
Ion Ratio Lower Upper
142 100
141 88.5 70.3 105.5

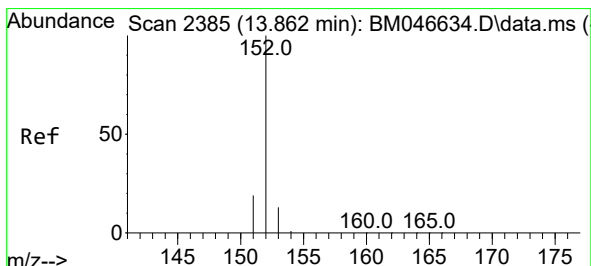
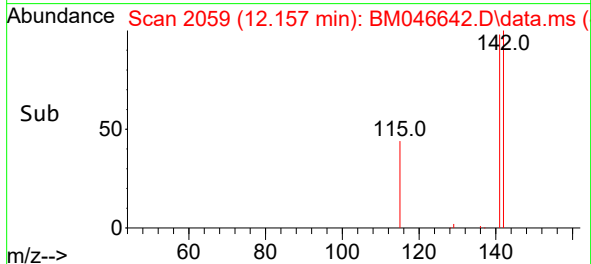
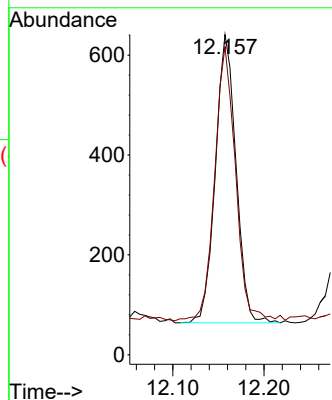
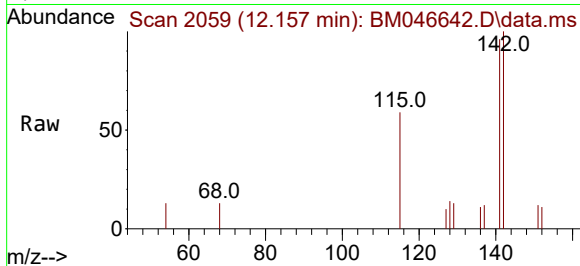




#8
1-Methylnaphthalene
Concen: 0.056 ng/ul
RT: 12.157 min Scan# 2060
Delta R.T. -0.006 min
Lab File: BM046642.D
Acq: 16 Jul 2024 20:42

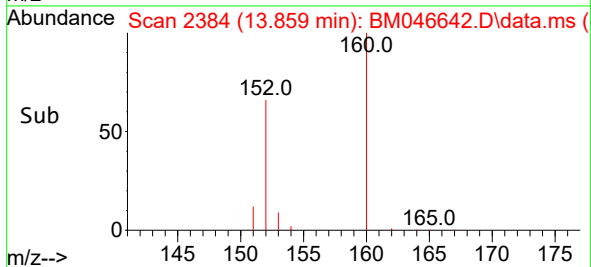
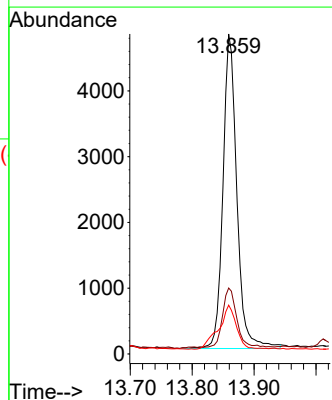
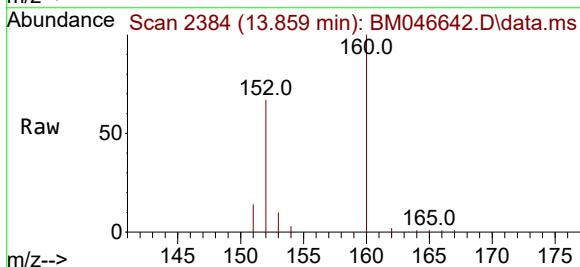
Instrument :
BNA_M
ClientSampleId :
A4BX6

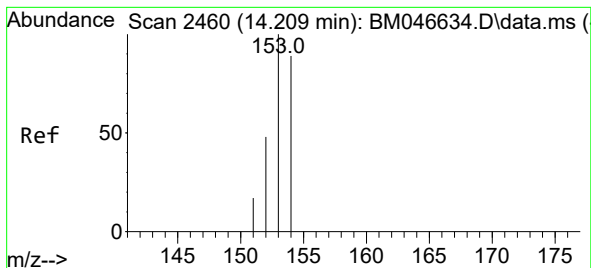
Tgt Ion:142 Resp: 906
Ion Ratio Lower Upper
142 100
141 96.7 73.9 110.9



#10
Acenaphthylene
Concen: 0.264 ng/ul
RT: 13.859 min Scan# 2384
Delta R.T. -0.005 min
Lab File: BM046642.D
Acq: 16 Jul 2024 20:42

Tgt Ion:152 Resp: 7501
Ion Ratio Lower Upper
152 100
151 20.6 16.4 24.6
153 15.3 12.4 18.6





#11

Acenaphthene

Concen: 0.127 ng/ul

RT: 14.206 min Scan# 2459

Delta R.T. -0.005 min

Lab File: BM046642.D

Acq: 16 Jul 2024 20:42

Instrument :

BNA_M

ClientSampleId :

A4BX6

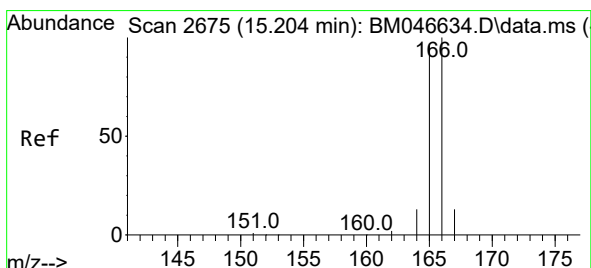
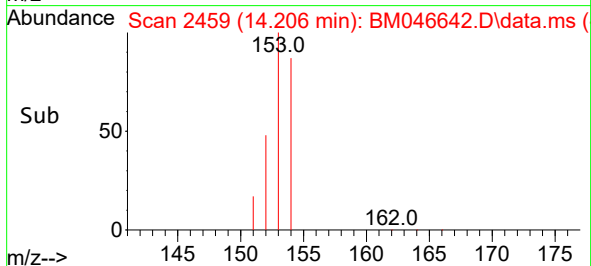
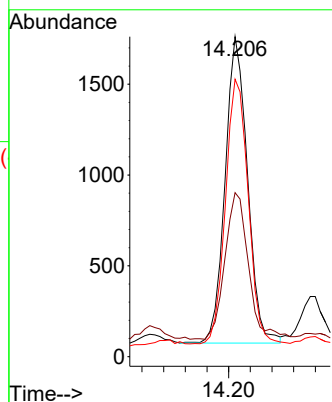
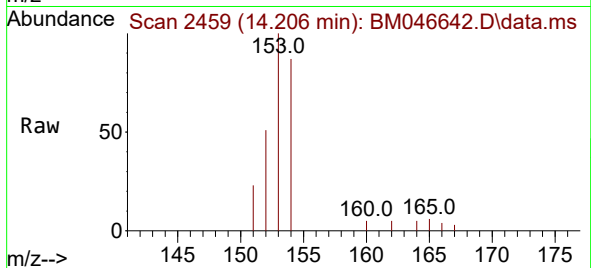
Tgt Ion:153 Resp: 2421

Ion Ratio Lower Upper

153 100

152 51.2 43.0 64.6

154 86.7 69.9 104.9



#12

Fluorene

Concen: 0.146 ng/ul

RT: 15.201 min Scan# 2674

Delta R.T. -0.005 min

Lab File: BM046642.D

Acq: 16 Jul 2024 20:42

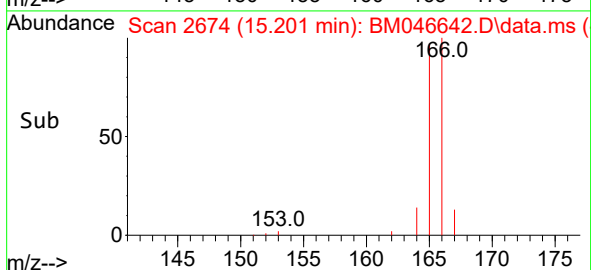
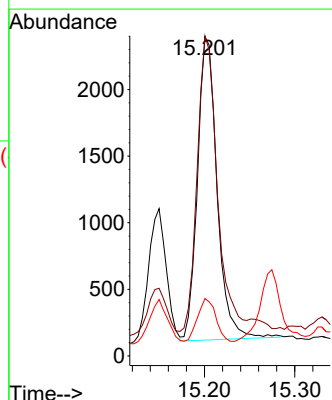
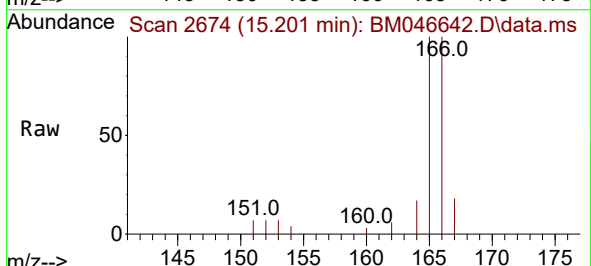
Tgt Ion:166 Resp: 3444

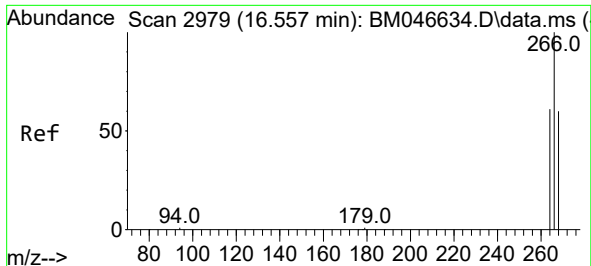
Ion Ratio Lower Upper

166 100

165 100.3 76.1 114.1

167 18.0 12.5 18.7

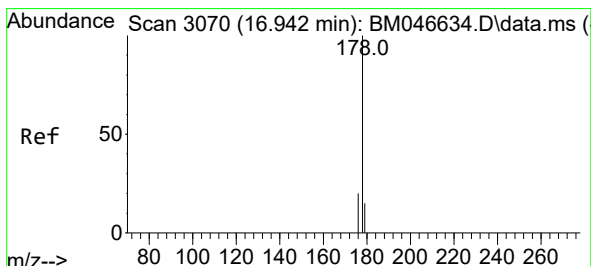
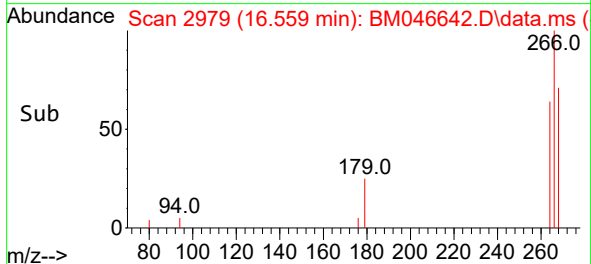
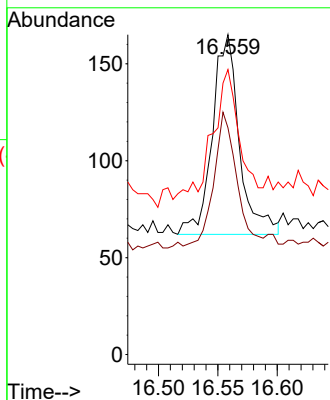
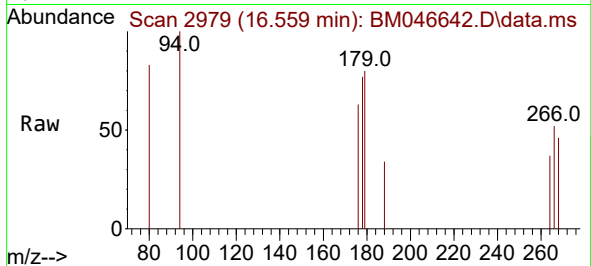




#14
Pentachlorophenol
Concen: 0.025 ng/ul
RT: 16.559 min Scan# 2979
Delta R.T. 0.004 min
Lab File: BM046642.D
Acq: 16 Jul 2024 20:42

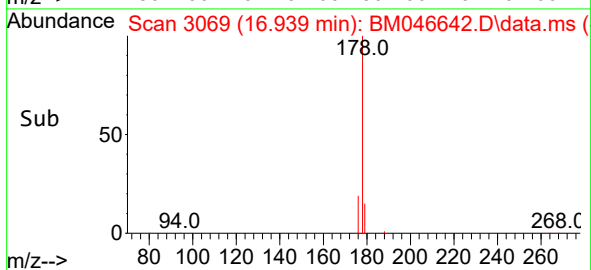
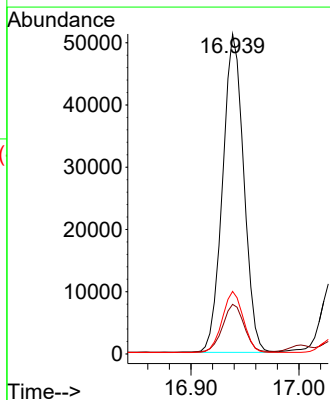
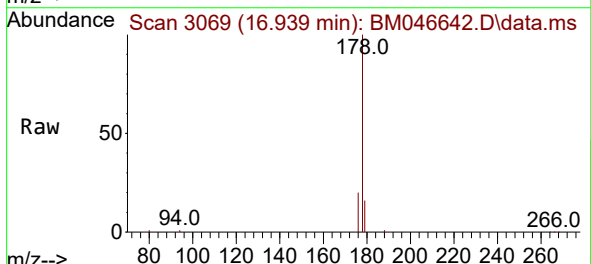
Instrument :
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ClientSampleId :
A4BX6

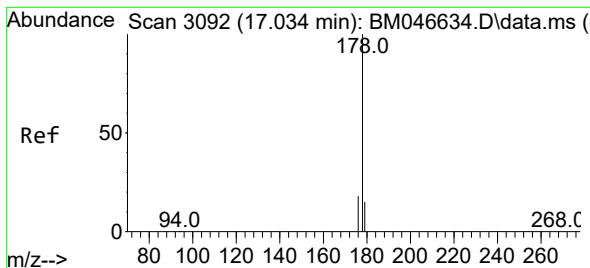
Tgt Ion:266 Resp: 164
Ion Ratio Lower Upper
266 100
264 57.9 50.1 75.1
268 64.0 52.5 78.7



#15
Phenanthrene
Concen: 1.855 ng/ul
RT: 16.939 min Scan# 3069
Delta R.T. -0.005 min
Lab File: BM046642.D
Acq: 16 Jul 2024 20:42

Tgt Ion:178 Resp: 69664
Ion Ratio Lower Upper
178 100
179 15.5 13.1 19.7
176 19.6 16.0 24.0





#16

Anthracene

Concen: 0.428 ng/ul

RT: 17.031 min Scan# 3092

Delta R.T. -0.000 min

Lab File: BM046642.D

Acq: 16 Jul 2024 20:42

Instrument :

BNA_M

ClientSampleId :

A4BX6

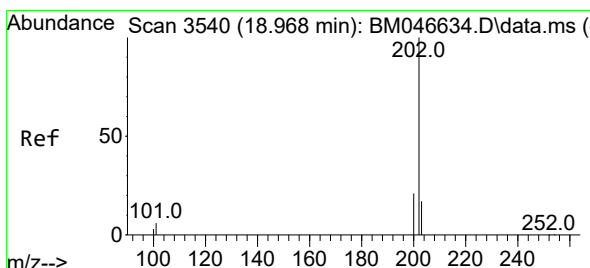
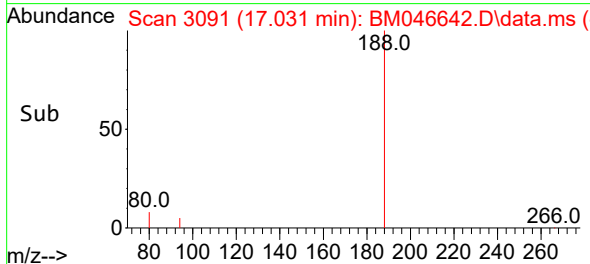
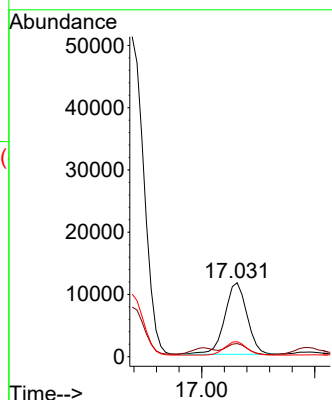
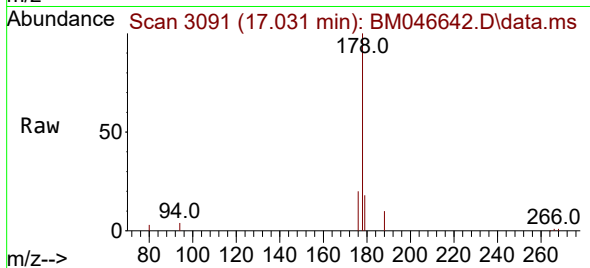
Tgt Ion:178 Resp: 15679

Ion Ratio Lower Upper

178 100

179 17.8 13.5 20.3

176 20.3 15.7 23.5



#19

Fluoranthene

Concen: 3.734 ng/ul

RT: 18.969 min Scan# 3540

Delta R.T. -0.000 min

Lab File: BM046642.D

Acq: 16 Jul 2024 20:42

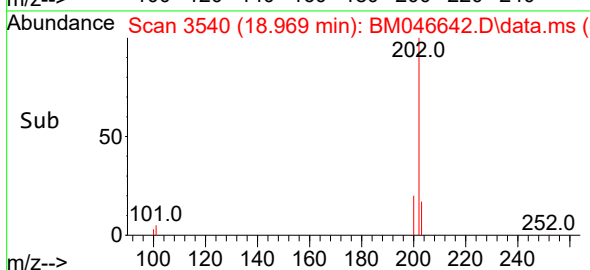
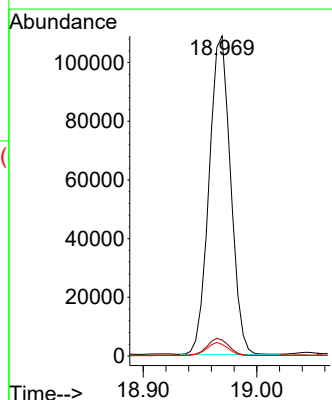
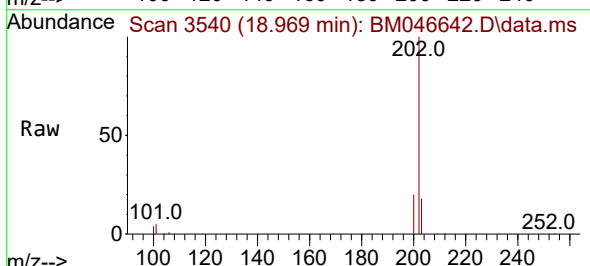
Tgt Ion:202 Resp: 142501

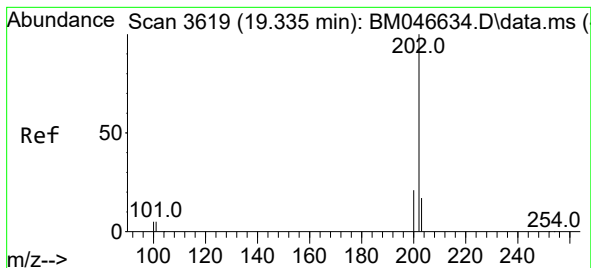
Ion Ratio Lower Upper

202 100

101 5.0 4.6 6.8

100 3.6 3.0 4.6





#20

Pyrene

Concen: 1.968 ng/ul

RT: 19.332 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM046642.D

Acq: 16 Jul 2024 20:42

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A4BX6

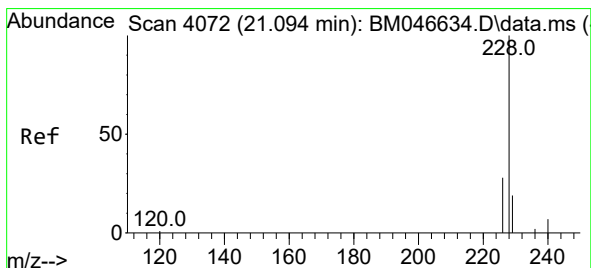
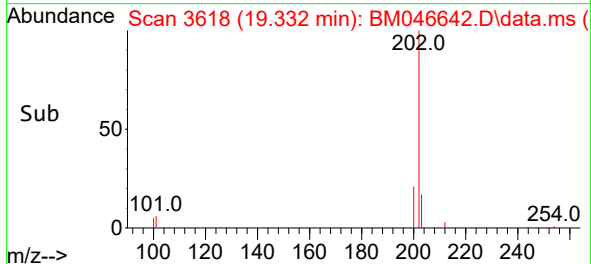
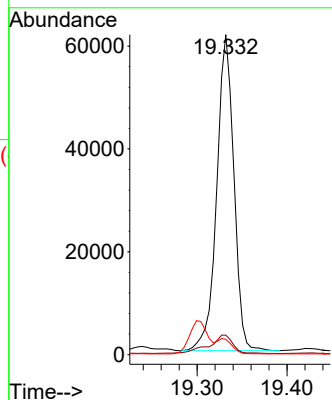
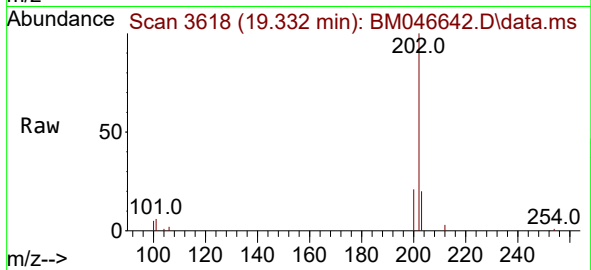
Tgt Ion:202 Resp: 81343

Ion Ratio Lower Upper

202 100

101 6.1 5.1 7.7

100 4.8 3.8 5.6



#21

Benzo(a)anthracene

Concen: 1.865 ng/ul

RT: 21.090 min Scan# 4071

Delta R.T. 0.002 min

Lab File: BM046642.D

Acq: 16 Jul 2024 20:42

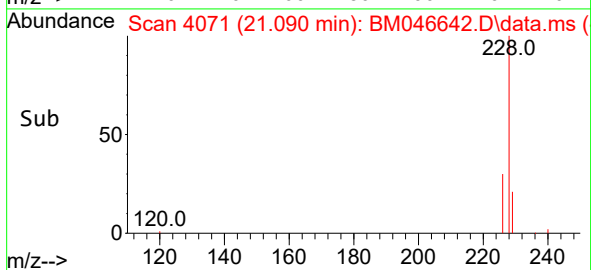
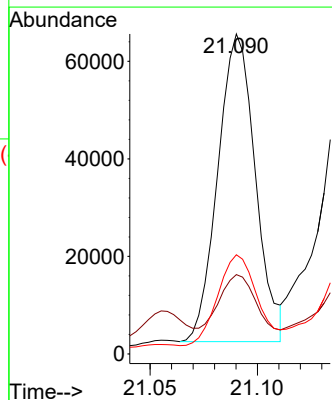
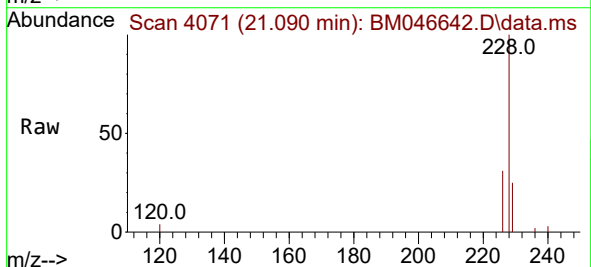
Tgt Ion:228 Resp: 76676

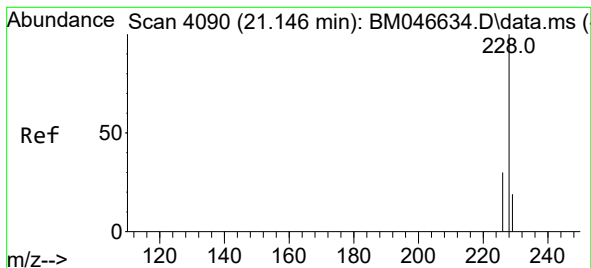
Ion Ratio Lower Upper

228 100

229 24.8 16.5 24.7#

226 31.0 22.5 33.7





#22

Chrysene

Concen: 2.104 ng/ul

RT: 21.140 min Scan# 4088

Delta R.T. -0.000 min

Lab File: BM046642.D

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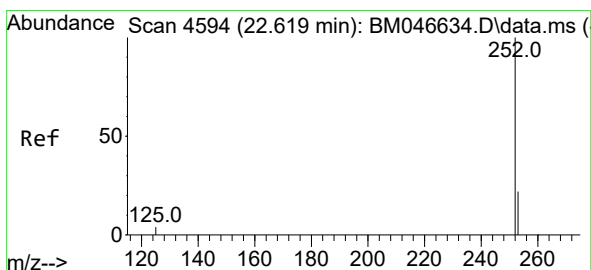
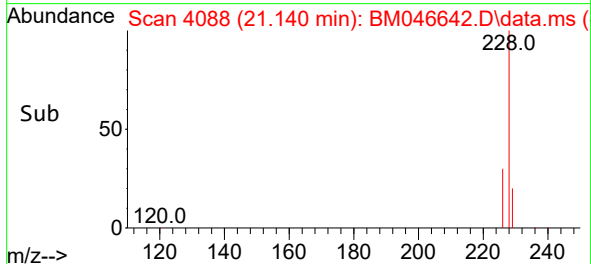
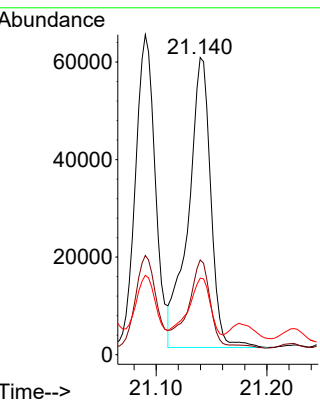
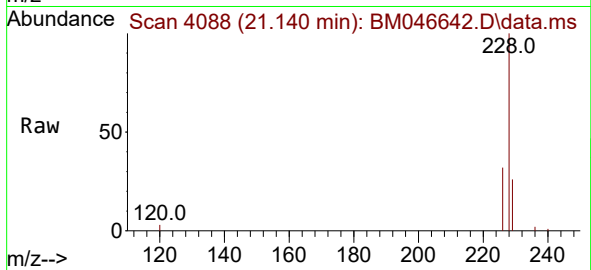
Tgt Ion:228 Resp: 83704

Ion Ratio Lower Upper

228 100

226 31.9 24.3 36.5

229 25.7 16.4 24.6#



#24

Benzo(b)fluoranthene

Concen: 3.538 ng/ul

RT: 22.615 min Scan# 4593

Delta R.T. 0.005 min

Lab File: BM046642.D

Acq: 16 Jul 2024 20:42

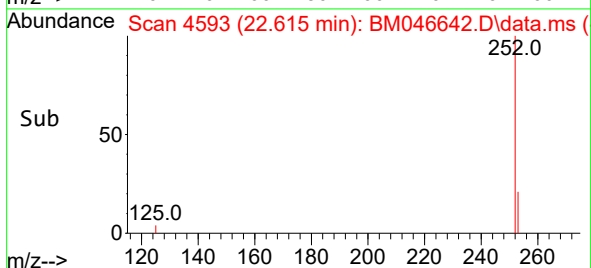
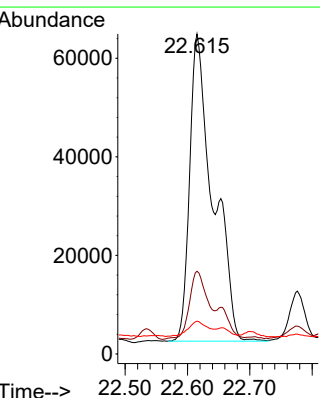
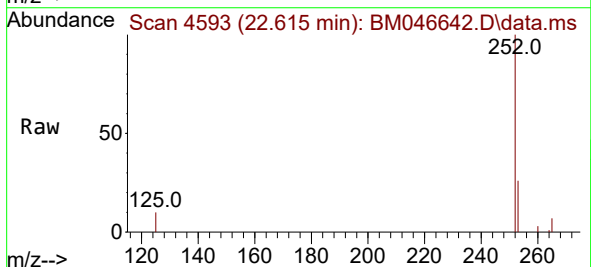
Tgt Ion:252 Resp: 162341

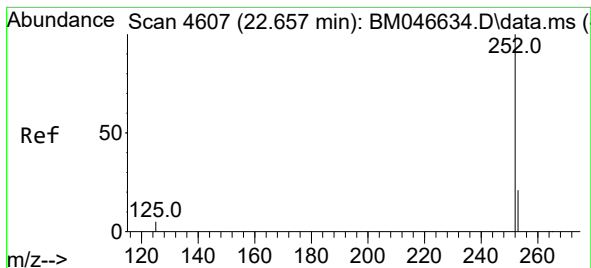
Ion Ratio Lower Upper

252 100

253 25.8 0.0 56.2

125 10.3 0.0 17.8





#25

Benzo(k)fluoranthene

Concen: 3.604 ng/ul

RT: 22.615 min Scan# 4

Delta R.T. -0.036 min

Lab File: BM046642.D

Acq: 16 Jul 2024 20:42

Instrument :

BNA_M

ClientSampleId :

A4BX6

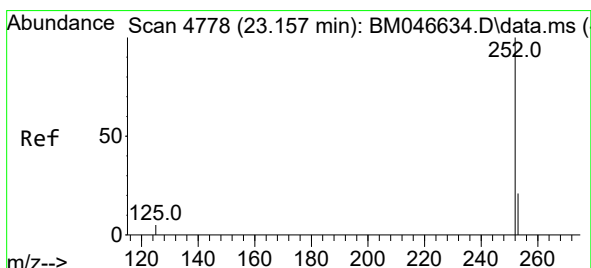
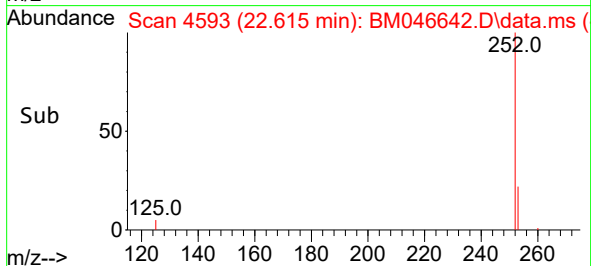
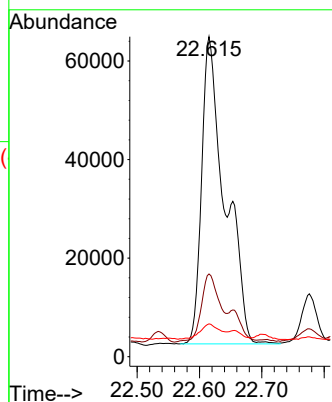
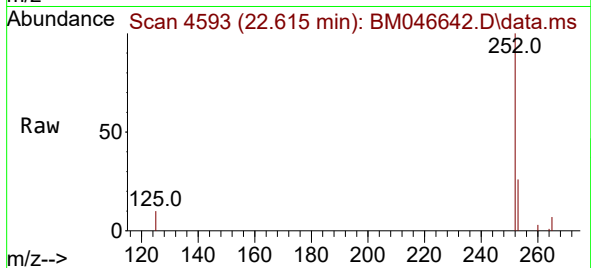
Tgt Ion:252 Resp: 162341

Ion Ratio Lower Upper

252 100

253 25.8 22.4 33.6

125 10.3 7.0 10.4



#26

Benzo(a)pyrene

Concen: 1.530 ng/ul

RT: 23.156 min Scan# 4778

Delta R.T. 0.005 min

Lab File: BM046642.D

Acq: 16 Jul 2024 20:42

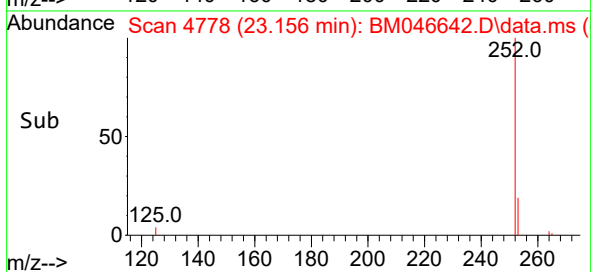
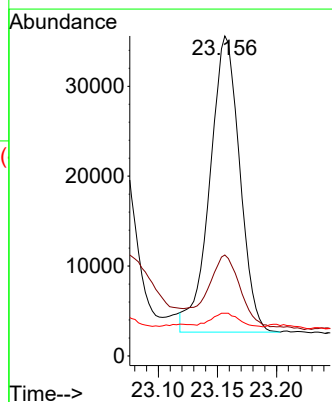
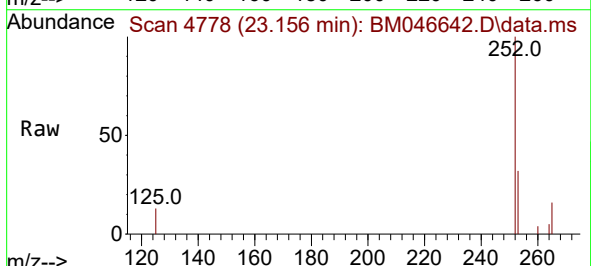
Tgt Ion:252 Resp: 57776

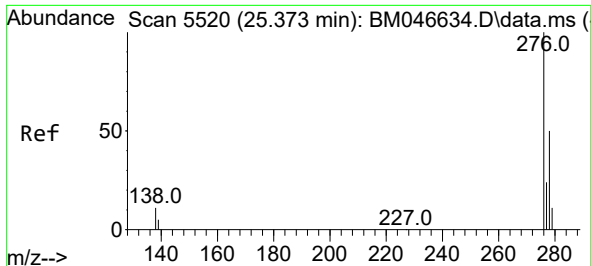
Ion Ratio Lower Upper

252 100

253 31.5 24.0 36.0

125 13.3 8.2 12.2#

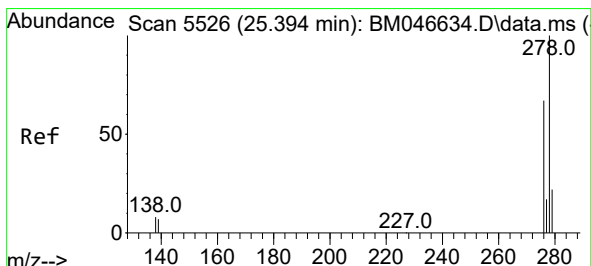
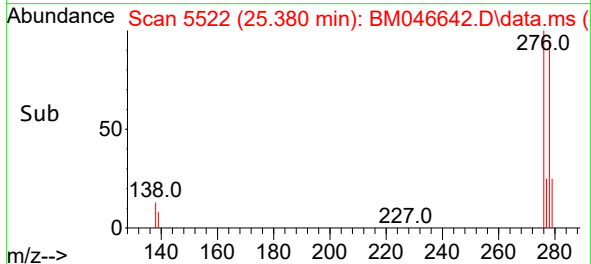
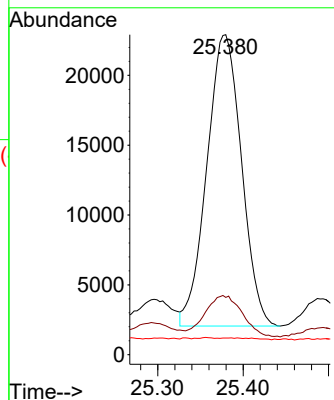
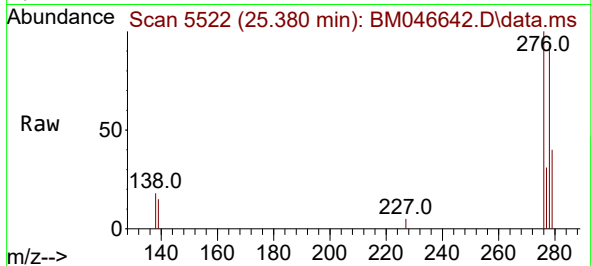




#27
Indeno(1,2,3-cd)pyrene
Concen: 1.023 ng/ul
RT: 25.380 min Scan# 51
Delta R.T. 0.020 min
Lab File: BM046642.D
Acq: 16 Jul 2024 20:42

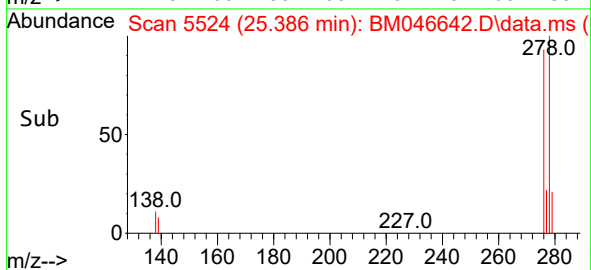
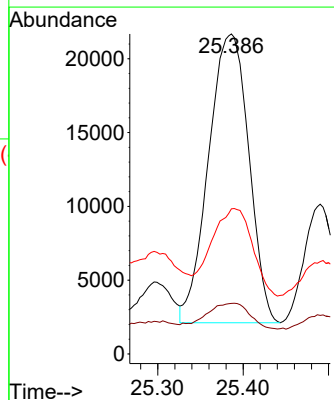
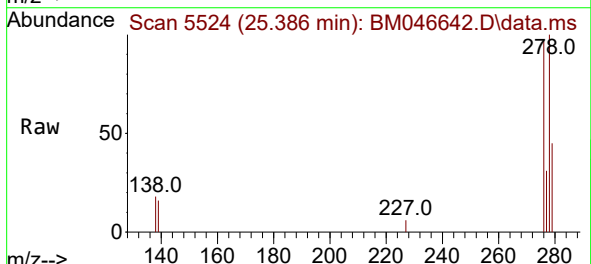
Instrument :
BNA_M
ClientSampleId :
A4BX6

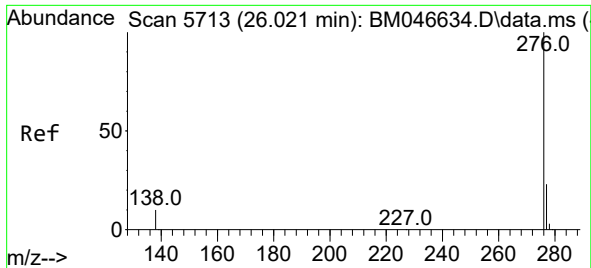
Tgt Ion:276 Resp: 58819
Ion Ratio Lower Upper
276 100
138 15.0 0.0 0.0#
227 0.0 0.2 0.2#



#28
Dibenzo(a,h)anthracene
Concen: 1.409 ng/ul
RT: 25.386 min Scan# 5524
Delta R.T. 0.003 min
Lab File: BM046642.D
Acq: 16 Jul 2024 20:42

Tgt Ion:278 Resp: 64100
Ion Ratio Lower Upper
278 100
139 15.8 9.1 13.7#
279 45.3 23.2 34.8#





#29

Benzo(g,h,i)perylene

Concen: 0.222 ng/ul

RT: 26.027 min Scan# 51

Delta R.T. 0.023 min

Lab File: BM046642.D

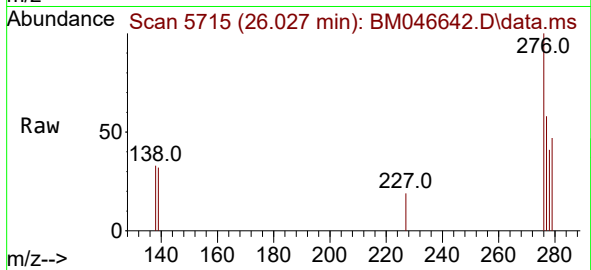
Acq: 16 Jul 2024 20:42

Instrument :

BNA_M

ClientSampleId :

A4BX6



Tgt Ion:276 Resp: 10192

Ion Ratio Lower Upper

276 100

138 32.7 10.2 15.4#

277 58.1 20.9 31.3#

