

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070524\
 Data File : BM046413.D
 Acq On : 06 Jul 2024 11:31
 Operator : MA/JU
 Sample : P2982-08
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4CF4

Quant Time: Jul 08 00:47:49 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

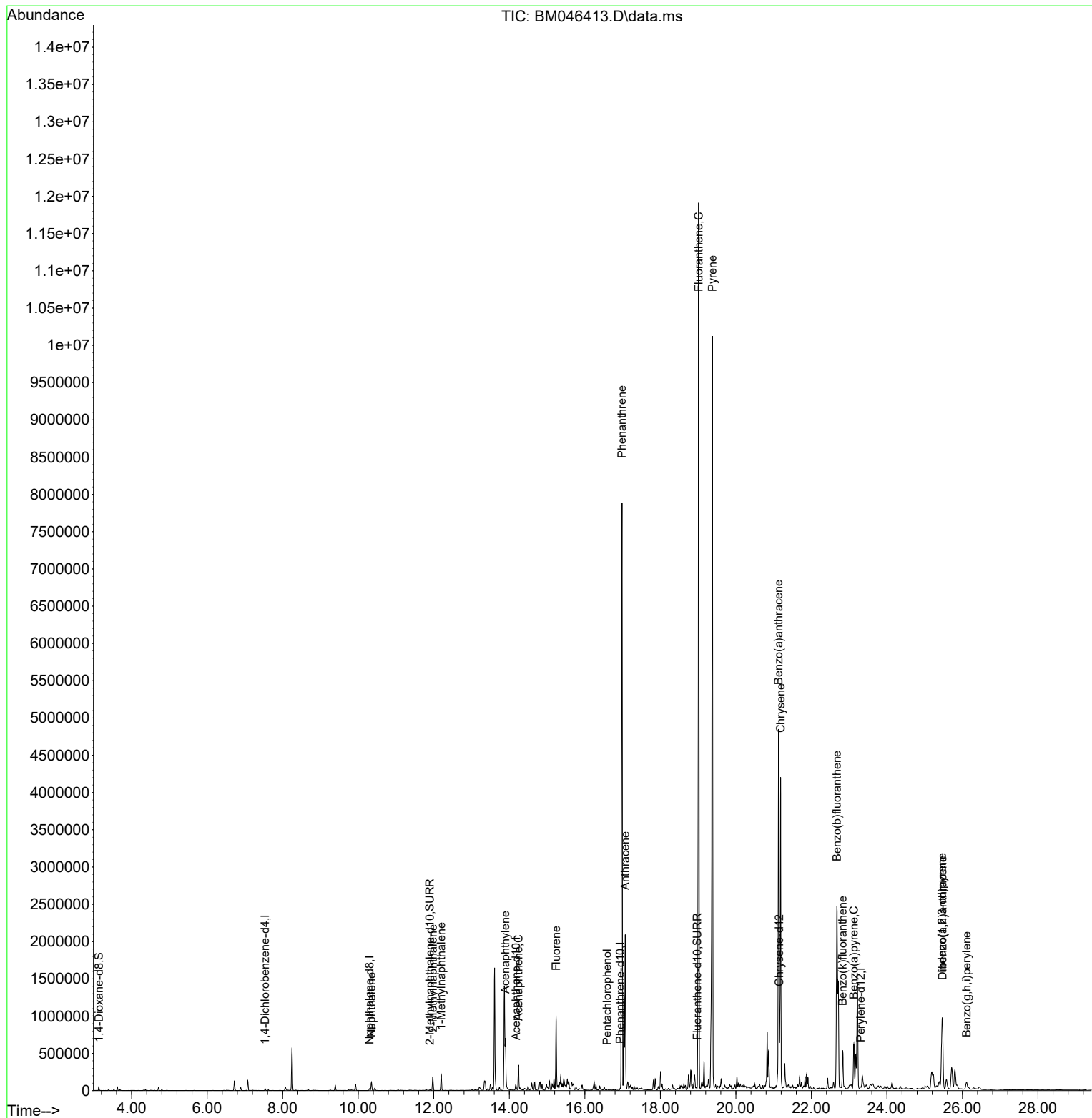
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.535	152	11459	0.400	ng/ul	0.00
4) Naphthalene-d8	10.298	136	33812	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.178	164	21246	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.934	188	32179	0.400	ng/ul	0.00
17) Chrysene-d12	21.149	240	12287	0.400	ng/ul	# 0.00
23) Perylene-d12	23.305	264	21145	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.130	96	28747	2.429	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.899	152	12986	0.260	ng/ul	0.00
18) Fluoranthene-d10	18.979	212	11854	0.275	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.348	128	150911	1.681	ng/ul	99
7) 2-Methylnaphthalene	11.976	142	127821	2.106	ng/ul	98
8) 1-Methylnaphthalene	12.196	142	142056	2.271	ng/ul	99
10) Acenaphthylene	13.896	152	875695	8.121	ng/ul	100
11) Acenaphthene	14.243	153	198401	2.822	ng/ul	98
12) Fluorene	15.238	166	599673	7.226	ng/ul	99
14) Pentachlorophenol	16.592	266	214	0.023	ng/ul	93
15) Phenanthrene	16.985	178	8777140	91.083	ng/ul	100
16) Anthracene	17.069	178	2068920	22.135	ng/ul	100
19) Fluoranthene	19.016	202	10842801	174.582	ng/ul	98
20) Pyrene	19.378	202	9097849	142.367	ng/ul	97
21) Benzo(a)anthracene	21.131	228	4289355	78.132	ng/ul	93
22) Chrysene	21.184	228	3691436	67.628	ng/ul	97
24) Benzo(b)fluoranthene	22.677	252	5526784	61.480	ng/ul	98
25) Benzo(k)fluoranthene	22.829	252	624156	6.878	ng/ul	94
26) Benzo(a)pyrene	23.124	252	790323	11.123	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	25.463	276	1478091	15.398	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.473	278	486026	6.545	ng/ul	97
29) Benzo(g,h,i)perylene	26.107	276	216404	2.827	ng/ul	96

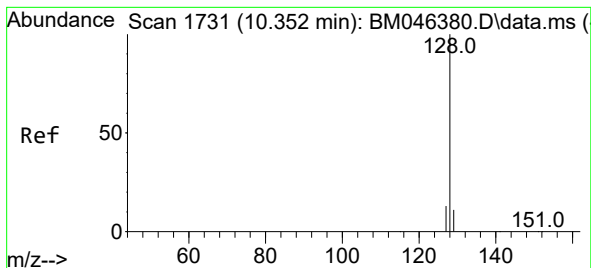
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070524\
Data File : BM046413.D
Acq On : 06 Jul 2024 11:31
Operator : MA/JU
Sample : P2982-08
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CF4

Quant Time: Jul 08 00:47:49 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





#5

Naphthalene

Concen: 1.681 ng/ul

RT: 10.348 min Scan# 1

Delta R.T. -0.004 min

Lab File: BM046413.D

Acq: 06 Jul 2024 11:31

Instrument :

BNA_M

ClientSampleId :

A4CF4

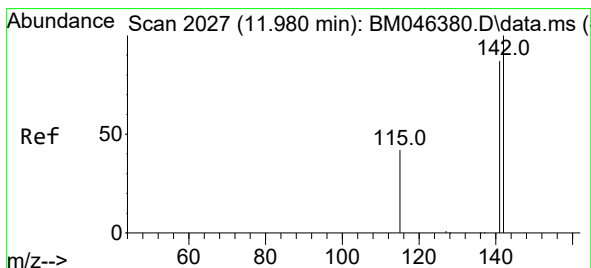
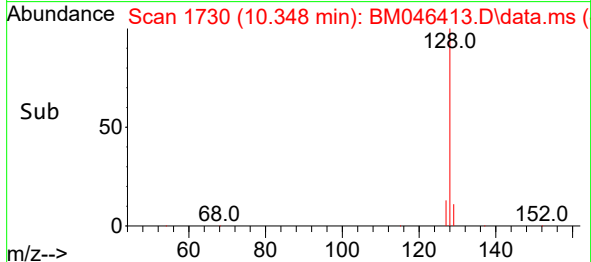
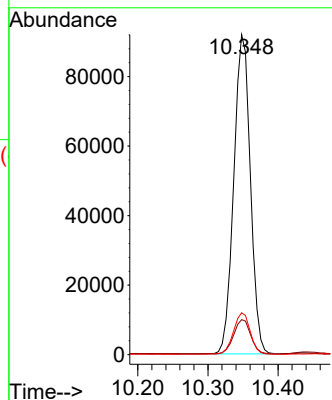
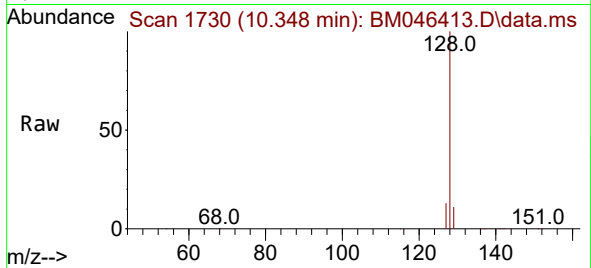
Tgt Ion:128 Resp: 150911

Ion Ratio Lower Upper

128 100

129 11.0 9.4 14.0

127 13.1 10.8 16.2



#7

2-Methylnaphthalene

Concen: 2.106 ng/ul

RT: 11.976 min Scan# 2026

Delta R.T. -0.004 min

Lab File: BM046413.D

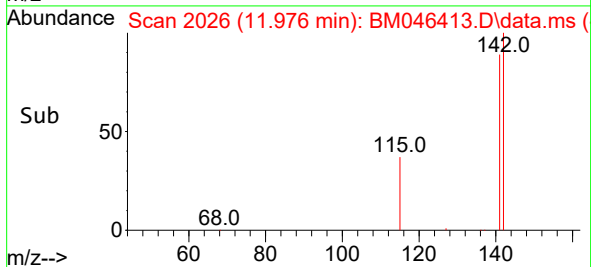
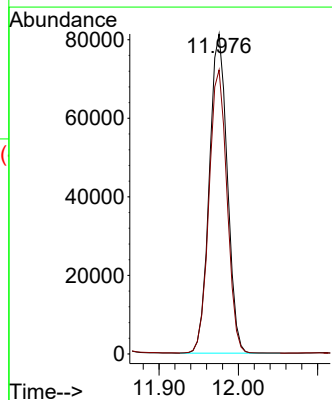
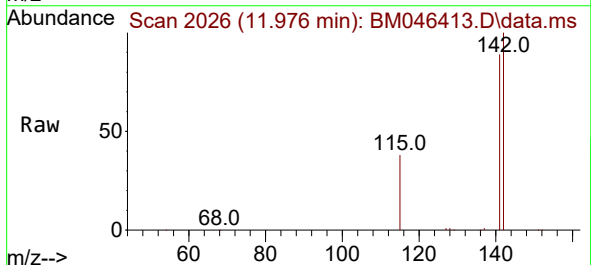
Acq: 06 Jul 2024 11:31

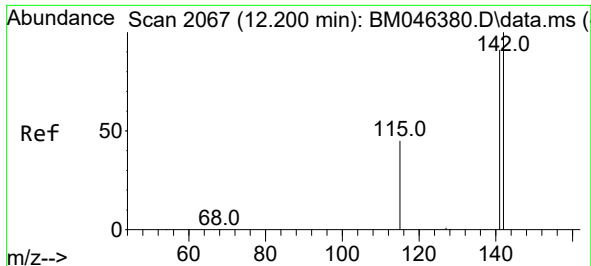
Tgt Ion:142 Resp: 127821

Ion Ratio Lower Upper

142 100

141 88.6 69.8 104.6

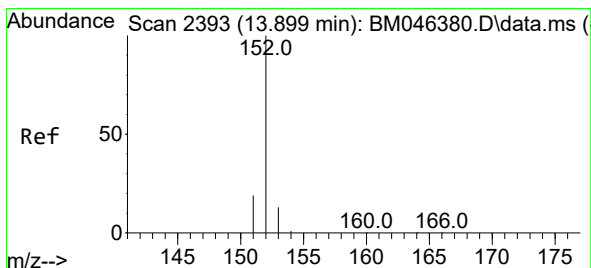
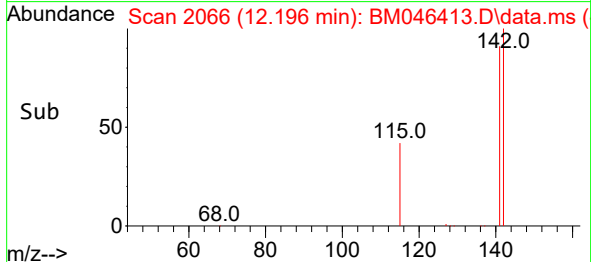
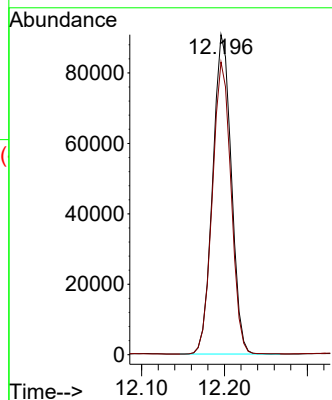
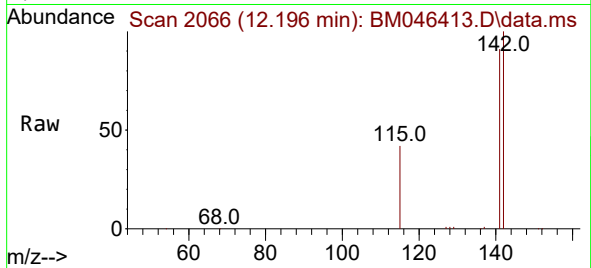




#8
1-Methylnaphthalene
Concen: 2.271 ng/ul
RT: 12.196 min Scan# 2066
Delta R.T. -0.004 min
Lab File: BM046413.D
Acq: 06 Jul 2024 11:31

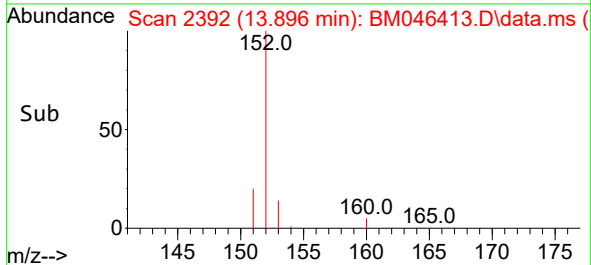
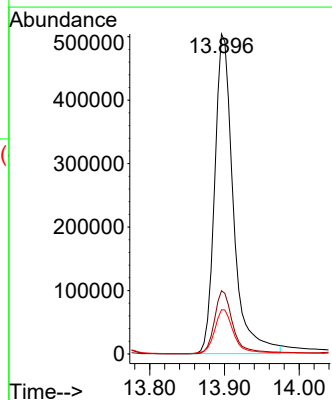
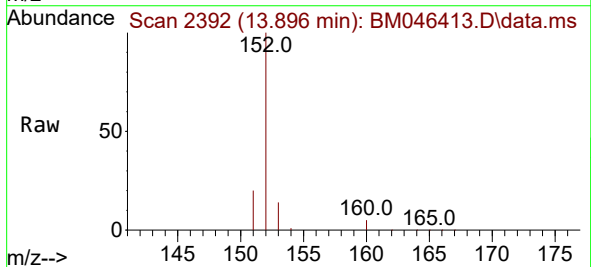
Instrument :
BNA_M
ClientSampleId :
A4CF4

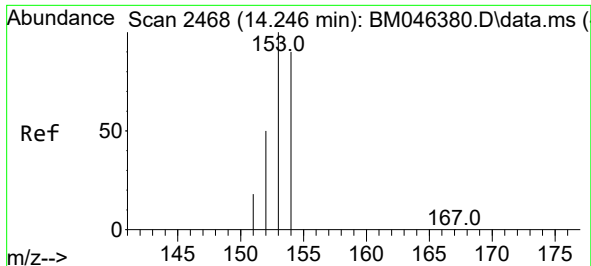
Tgt Ion:142 Resp: 142056
Ion Ratio Lower Upper
142 100
141 91.5 72.4 108.6



#10
Acenaphthylene
Concen: 8.121 ng/ul
RT: 13.896 min Scan# 2392
Delta R.T. -0.003 min
Lab File: BM046413.D
Acq: 06 Jul 2024 11:31

Tgt Ion:152 Resp: 875695
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 13.8 11.0 16.6

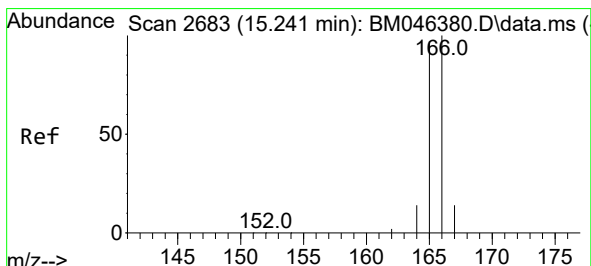
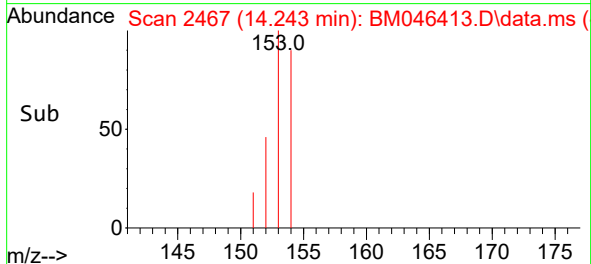
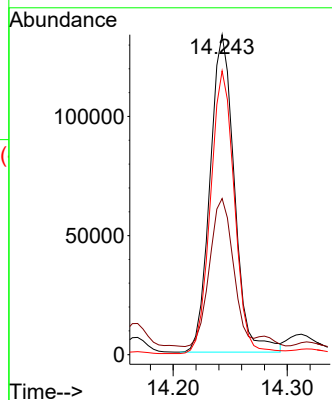
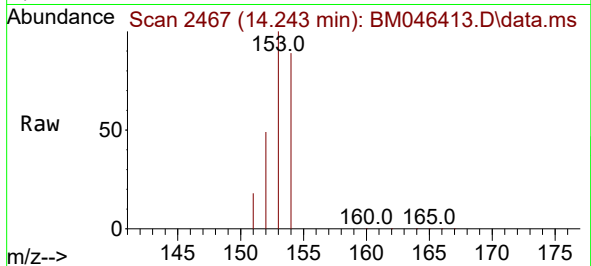




#11
Acenaphthene
Concen: 2.822 ng/ul
RT: 14.243 min Scan# 2467
Delta R.T. -0.003 min
Lab File: BM046413.D
Acq: 06 Jul 2024 11:31

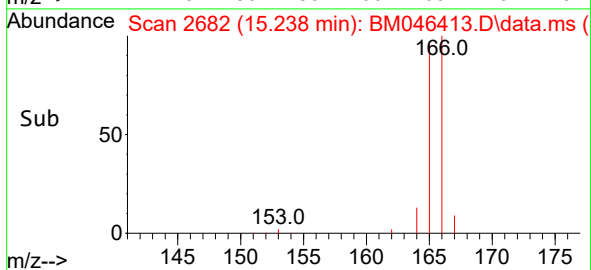
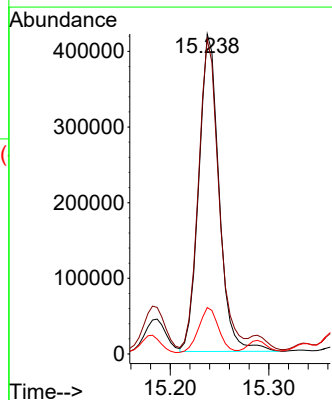
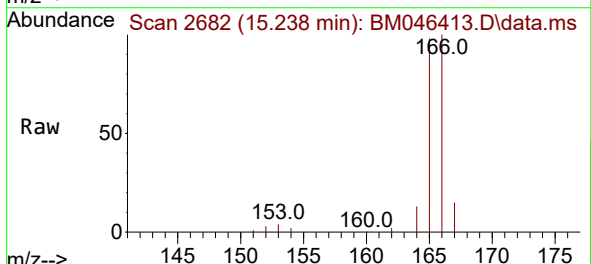
Instrument :
BNA_M
ClientSampleId :
A4CF4

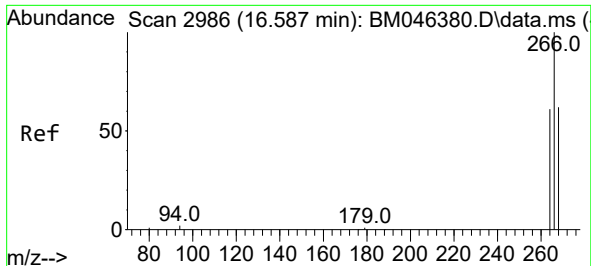
Tgt Ion:153 Resp: 198401
Ion Ratio Lower Upper
153 100
152 48.8 40.4 60.6
154 88.7 72.1 108.1



#12
Fluorene
Concen: 7.226 ng/ul
RT: 15.238 min Scan# 2682
Delta R.T. -0.003 min
Lab File: BM046413.D
Acq: 06 Jul 2024 11:31

Tgt Ion:166 Resp: 599673
Ion Ratio Lower Upper
166 100
165 98.3 78.0 117.0
167 14.5 11.4 17.0

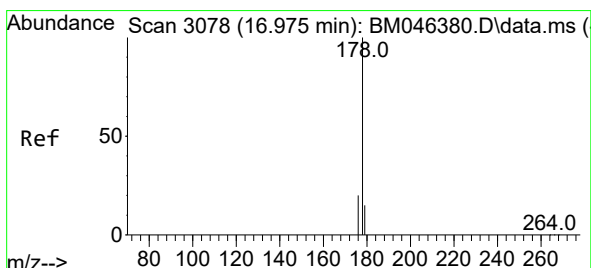
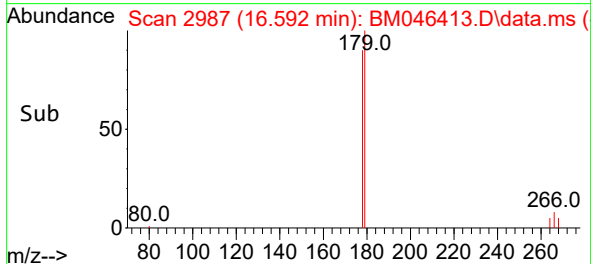
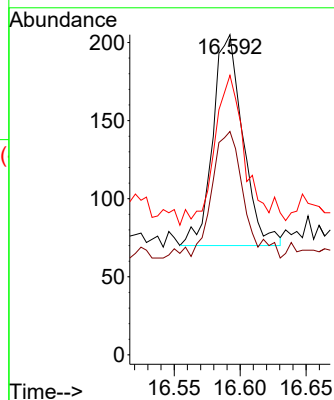
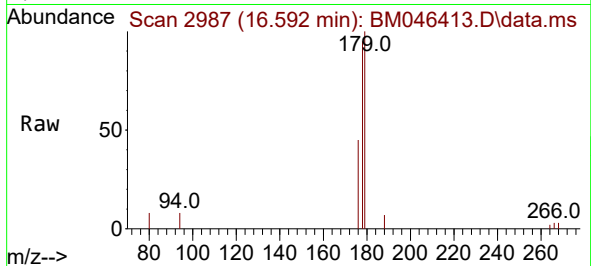




#14
 Pentachlorophenol
 Concen: 0.023 ng/ul
 RT: 16.592 min Scan# 2986
 Delta R.T. 0.006 min
 Lab File: BM046413.D
 Acq: 06 Jul 2024 11:31

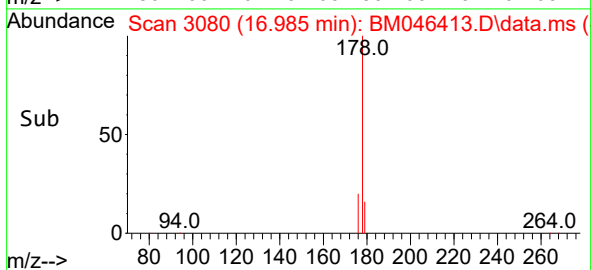
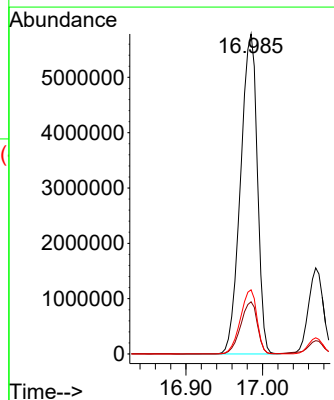
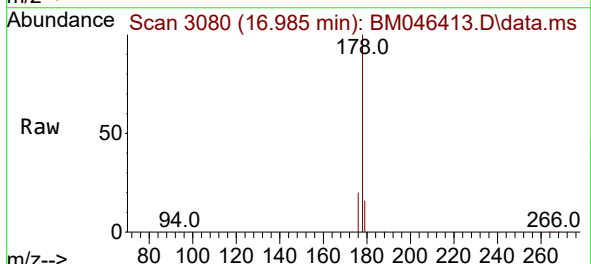
Instrument :
 BNA_M
 ClientSampleId :
 A4CF4

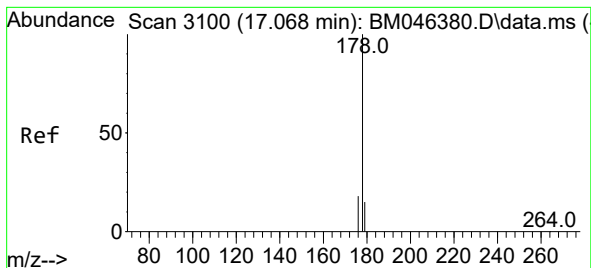
Tgt Ion:266 Resp: 214
 Ion Ratio Lower Upper
 266 100
 264 63.1 51.0 76.6
 268 74.3 50.8 76.2



#15
 Phenanthrene
 Concen: 91.083 ng/ul
 RT: 16.985 min Scan# 3080
 Delta R.T. 0.010 min
 Lab File: BM046413.D
 Acq: 06 Jul 2024 11:31

Tgt Ion:178 Resp: 8777140
 Ion Ratio Lower Upper
 178 100
 179 16.3 12.7 19.1
 176 20.0 16.0 24.0





#16

Anthracene

Concen: 22.135 ng/ul

RT: 17.069 min Scan# 3100

Delta R.T. 0.001 min

Lab File: BM046413.D

Acq: 06 Jul 2024 11:31

Instrument :

BNA_M

ClientSampleId :

A4CF4

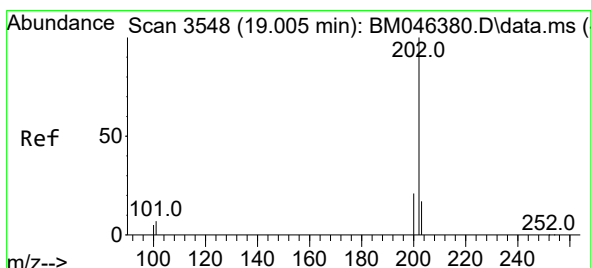
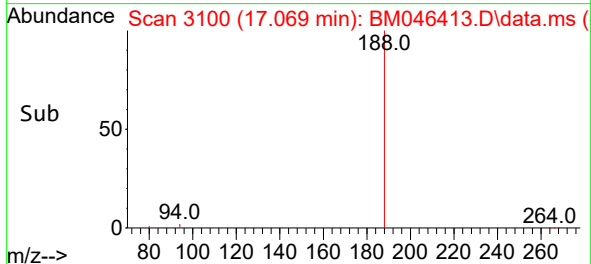
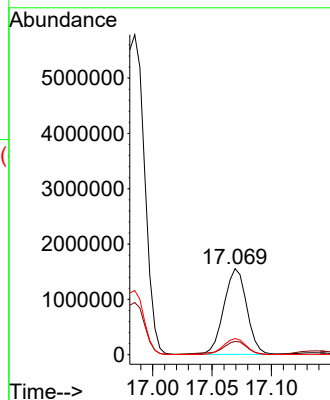
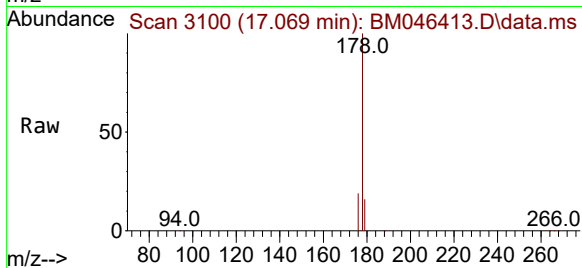
Tgt Ion:178 Resp: 2068920

Ion Ratio Lower Upper

178 100

179 15.5 12.6 18.8

176 18.8 14.9 22.3



#19

Fluoranthene

Concen: 174.582 ng/ul

RT: 19.016 min Scan# 3550

Delta R.T. 0.011 min

Lab File: BM046413.D

Acq: 06 Jul 2024 11:31

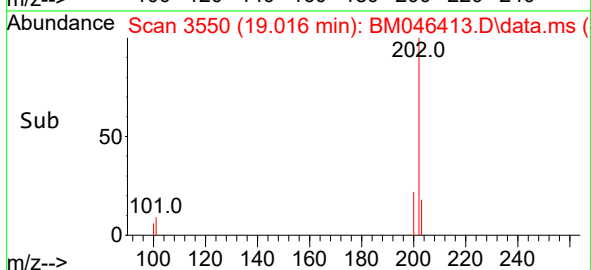
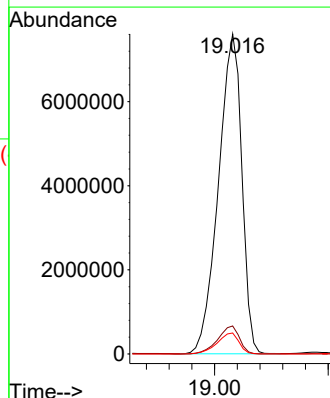
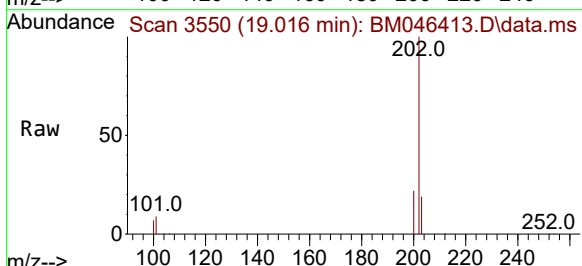
Tgt Ion:202 Resp:10842801

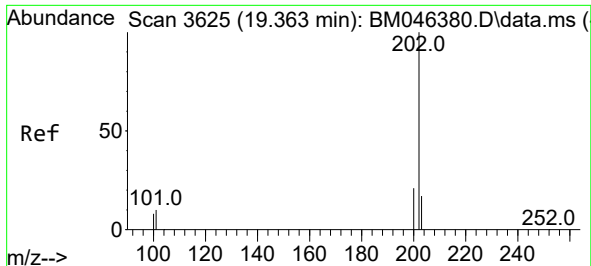
Ion Ratio Lower Upper

202 100

101 8.7 6.3 9.5

100 6.6 5.0 7.6

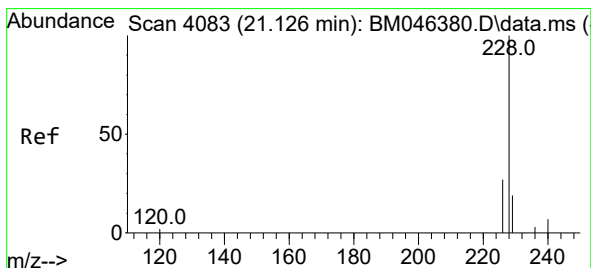
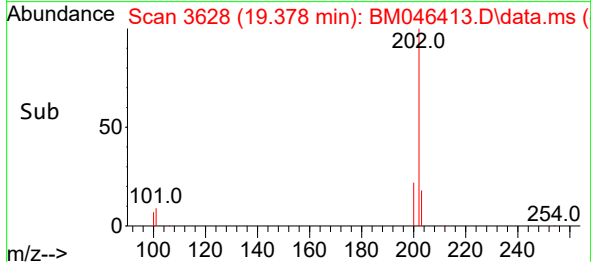
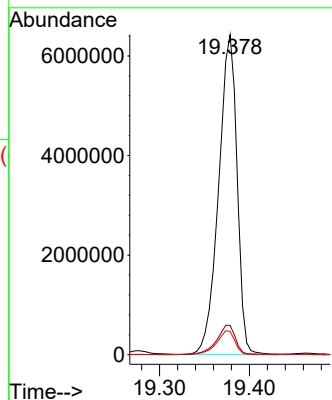
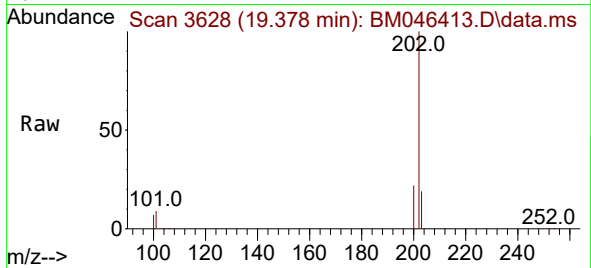




#20
Pyrene
Concen: 142.367 ng/ul
RT: 19.378 min Scan# 3628
Delta R.T. 0.015 min
Lab File: BM046413.D
Acq: 06 Jul 2024 11:31

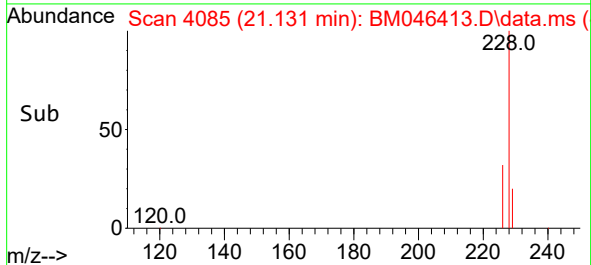
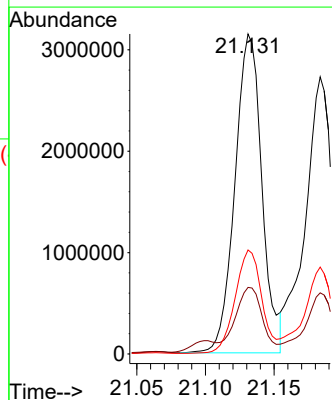
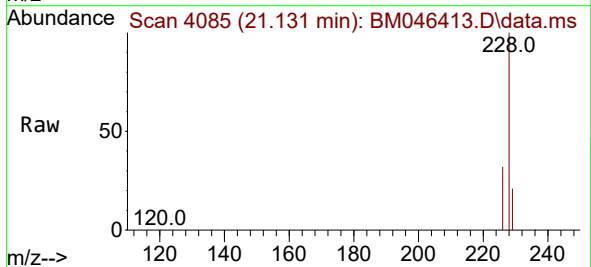
Instrument :
BNA_M
ClientSampleId :
A4CF4

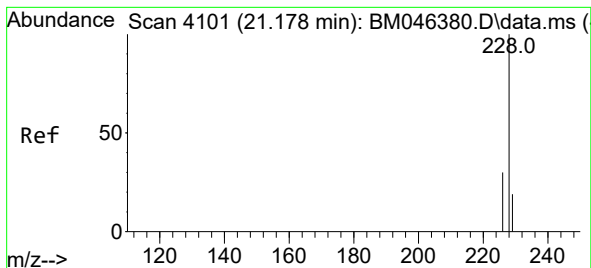
Tgt Ion:202 Resp: 9097849
Ion Ratio Lower Upper
202 100
101 9.1 8.2 12.4
100 7.3 6.9 10.3



#21
Benzo(a)anthracene
Concen: 78.132 ng/ul
RT: 21.131 min Scan# 4085
Delta R.T. 0.005 min
Lab File: BM046413.D
Acq: 06 Jul 2024 11:31

Tgt Ion:228 Resp: 4289355
Ion Ratio Lower Upper
228 100
229 20.8 15.8 23.6
226 32.5 22.0 33.0





#22

Chrysene

Concen: 67.628 ng/ul

RT: 21.184 min Scan# 4101

Delta R.T. 0.005 min

Lab File: BM046413.D

Acq: 06 Jul 2024 11:31

Instrument :

BNA_M

ClientSampleId :

A4CF4

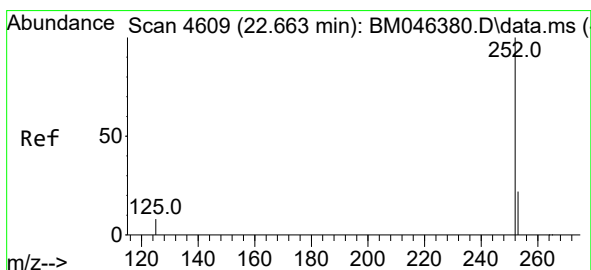
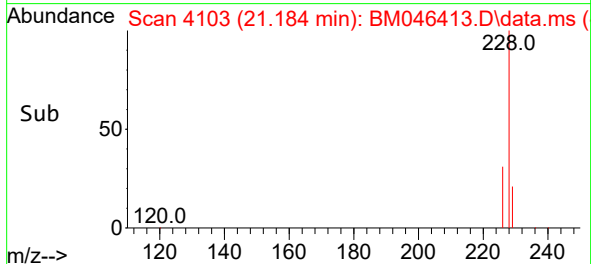
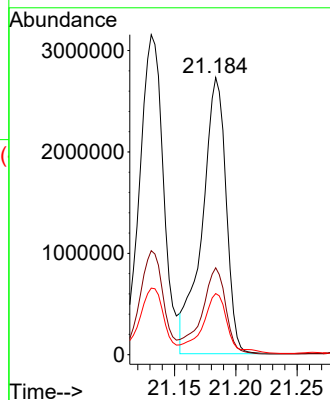
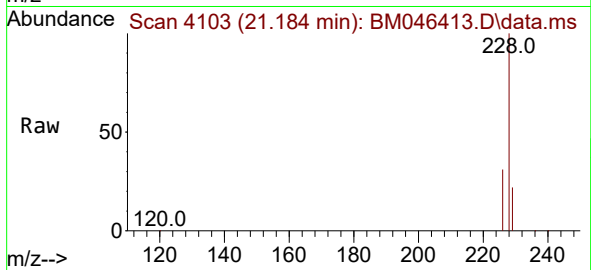
Tgt Ion:228 Resp: 3691436

Ion Ratio Lower Upper

228 100

226 31.4 24.1 36.1

229 22.1 15.8 23.6



#24

Benzo(b)fluoranthene

Concen: 61.480 ng/ul

RT: 22.677 min Scan# 4614

Delta R.T. 0.014 min

Lab File: BM046413.D

Acq: 06 Jul 2024 11:31

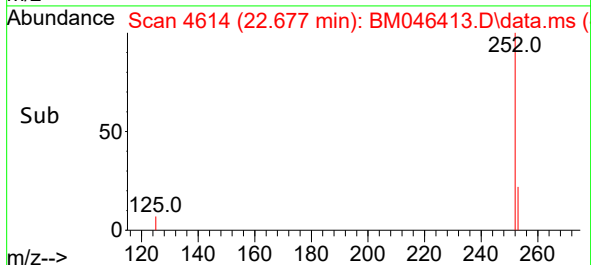
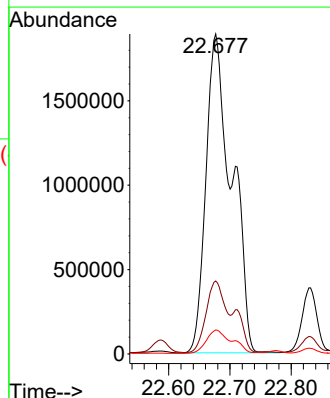
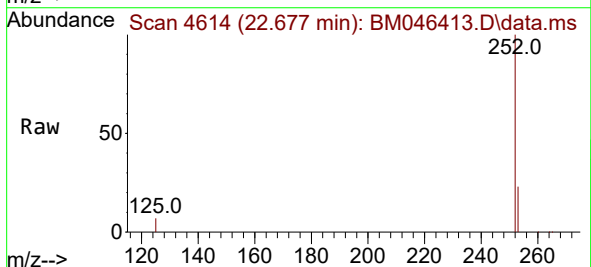
Tgt Ion:252 Resp: 5526784

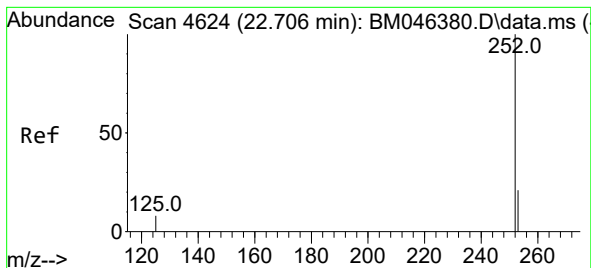
Ion Ratio Lower Upper

252 100

253 22.8 0.0 47.0

125 7.5 0.0 18.4





#25

Benzo(k)fluoranthene

Concen: 6.878 ng/ul

RT: 22.829 min Scan# 4

Delta R.T. 0.122 min

Lab File: BM046413.D

Acq: 06 Jul 2024 11:31

Instrument :

BNA_M

ClientSampleId :

A4CF4

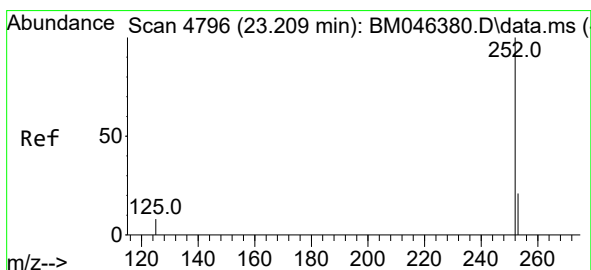
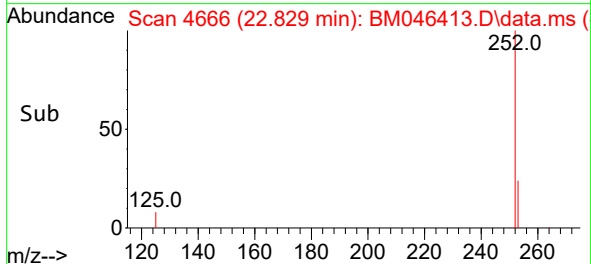
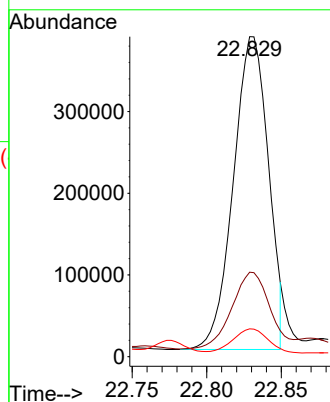
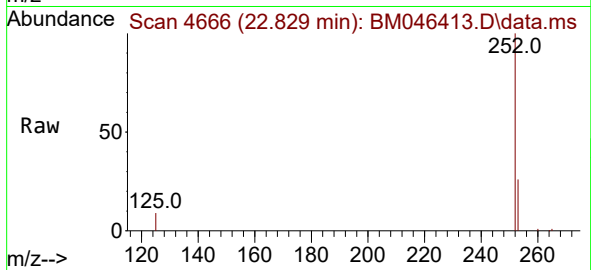
Tgt Ion:252 Resp: 624156

Ion Ratio Lower Upper

252 100

253 26.4 18.4 27.6

125 8.7 7.5 11.3



#26

Benzo(a)pyrene

Concen: 11.123 ng/ul

RT: 23.124 min Scan# 4767

Delta R.T. -0.085 min

Lab File: BM046413.D

Acq: 06 Jul 2024 11:31

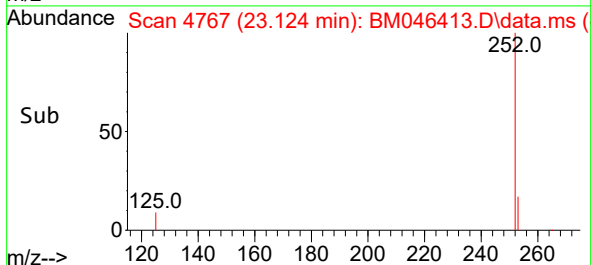
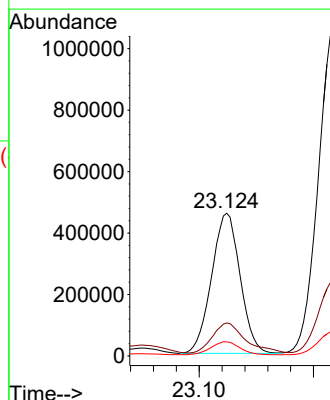
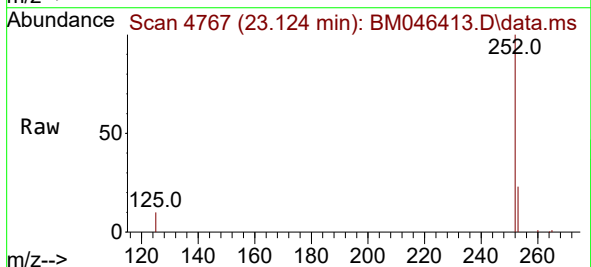
Tgt Ion:252 Resp: 790323

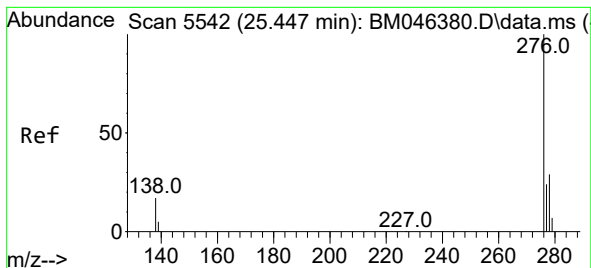
Ion Ratio Lower Upper

252 100

253 23.1 18.9 28.3

125 9.9 8.1 12.1





#27

Indeno(1,2,3-cd)pyrene

Concen: 15.398 ng/ul

RT: 25.463 min Scan# 5

Delta R.T. 0.016 min

Lab File: BM046413.D

Acq: 06 Jul 2024 11:31

Instrument :

BNA_M

ClientSampleId :

A4CF4

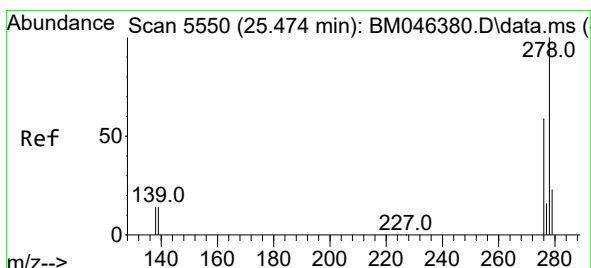
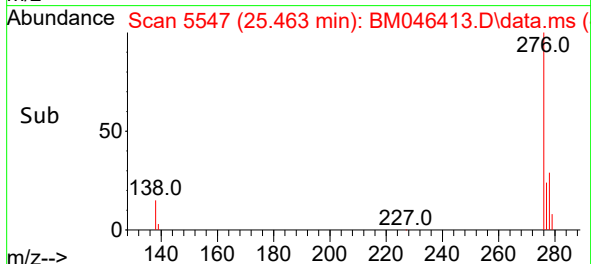
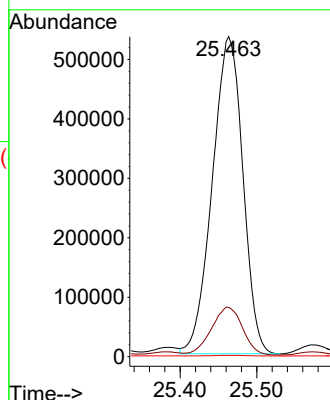
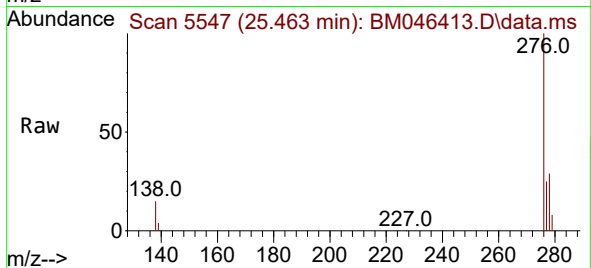
Tgt Ion:276 Resp: 1478091

Ion Ratio Lower Upper

276 100

138 15.4 15.7 23.5#

227 0.2 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 6.545 ng/ul

RT: 25.473 min Scan# 5550

Delta R.T. -0.000 min

Lab File: BM046413.D

Acq: 06 Jul 2024 11:31

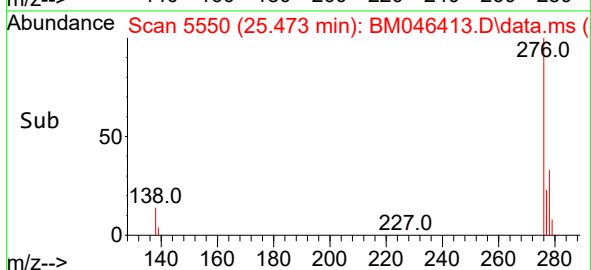
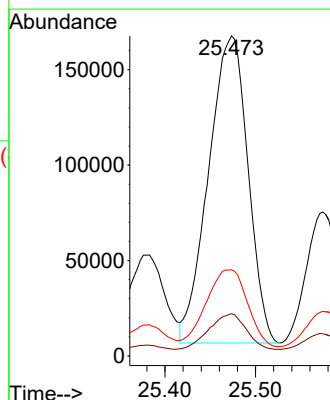
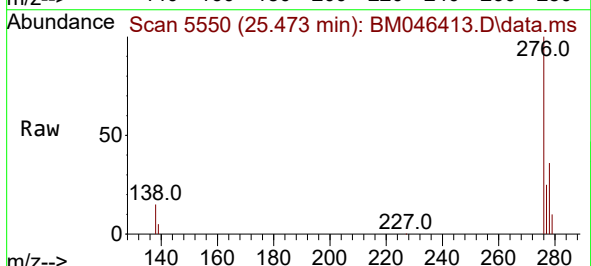
Tgt Ion:278 Resp: 486026

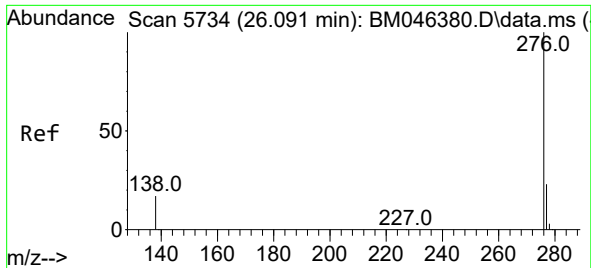
Ion Ratio Lower Upper

278 100

139 13.2 12.6 18.8

279 26.9 20.7 31.1





#29
 Benzo(g,h,i)perylene
 Concen: 2.827 ng/ul
 RT: 26.107 min Scan# 51
 Delta R.T. 0.016 min
 Lab File: BM046413.D
 Acq: 06 Jul 2024 11:31

Instrument :
 BNA_M
 ClientSampleId :
 A4CF4

Tgt Ion:276 Resp: 216404
 Ion Ratio Lower Upper
 276 100
 138 17.0 15.4 23.0
 277 26.7 19.7 29.5

