

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
 Data File : BM049036.D
 Acq On : 18 Dec 2024 00:12
 Operator : RC/JU
 Sample : P5155-07
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28R2

Quant Time: Dec 18 03:30:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 17 10:03:27 2024
 Response via : Initial Calibration

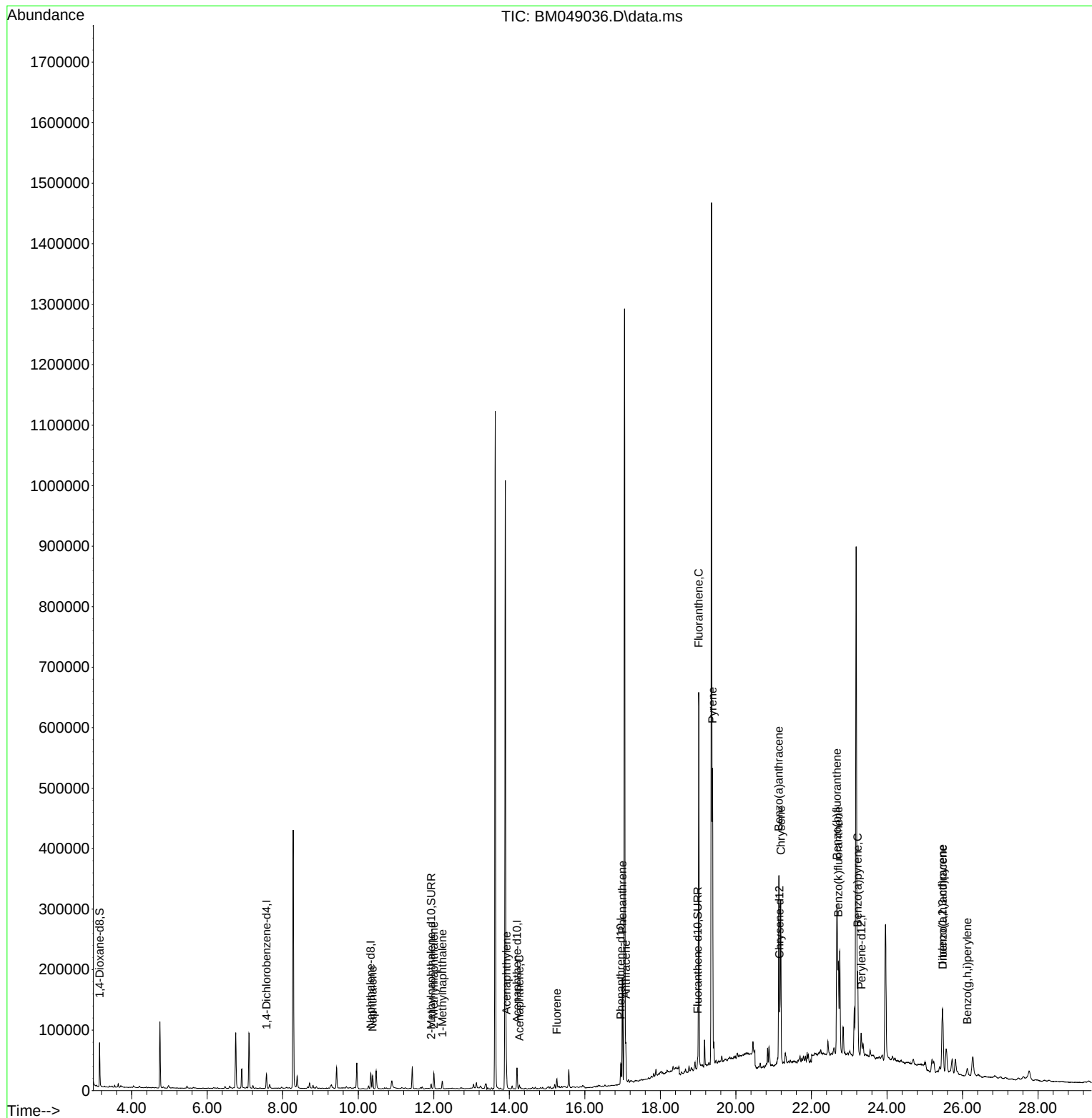
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.569	152	10908	0.400	ng/ul	0.00
4) Naphthalene-d8	10.330	136	33574	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.205	164	18819	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.950	188	40400m	0.400	ng/ul	0.00
17) Chrysene-d12	21.152	240	29980m	0.400	ng/ul	0.00
23) Perylene-d12	23.321	264	35124m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	39600	3.106	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.931	152	9694	0.226	ng/ul	0.00
18) Fluoranthene-d10	18.987	212	18678m	0.209	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.380	128	29516	0.343	ng/ul	100
7) 2-Methylnaphthalene	12.002	142	18007	0.343	ng/ul	99
8) 1-Methylnaphthalene	12.228	142	8807	0.164	ng/ul	99
10) Acenaphthylene	13.923	152	48993	0.616	ng/ul	99
11) Acenaphthene	14.265	153	4301	0.071	ng/ul	93
12) Fluorene	15.260	166	9914	0.148	ng/ul#	94
15) Phenanthrene	16.992	178	174854m	1.579	ng/ul	
16) Anthracene	17.085	178	64249m	0.651	ng/ul	
19) Fluoranthene	19.015	202	517933m	4.166	ng/ul	
20) Pyrene	19.382	202	402113m	3.001	ng/ul	
21) Benzo(a)anthracene	21.137	228	247405m	2.345	ng/ul	
22) Chrysene	21.187	228	265368m	2.223	ng/ul	
24) Benzo(b)fluoranthene	22.674	252	385963m	3.180	ng/ul	
25) Benzo(k)fluoranthene	22.712	252	145739m	1.038	ng/ul	
26) Benzo(a)pyrene	23.224	252	168265	1.499	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	25.471	276	159946m	1.014	ng/ul	
28) Dibenzo(a,h)anthracene	25.477	278	48568m	0.396	ng/ul	
29) Benzo(g,h,i)perylene	26.128	276	25742	0.203	ng/ul#	44

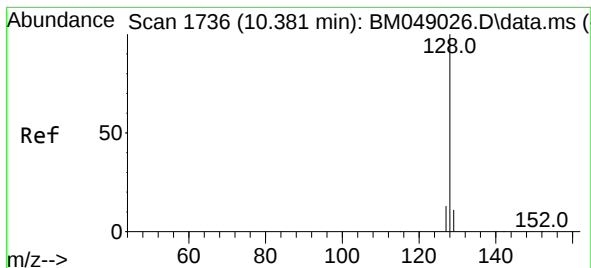
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.343 ng/ul

RT: 10.380 min Scan# 1

Delta R.T. -0.005 min

Lab File: BM049036.D

Acq: 18 Dec 2024 00:12

Instrument :

BNA_M

ClientSampleId :

E28R2

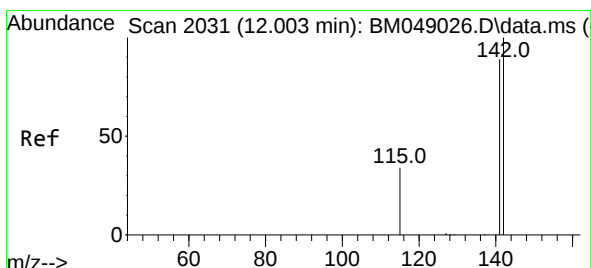
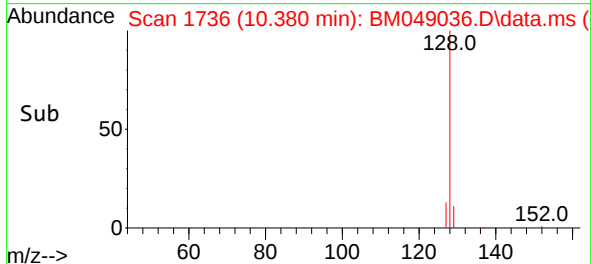
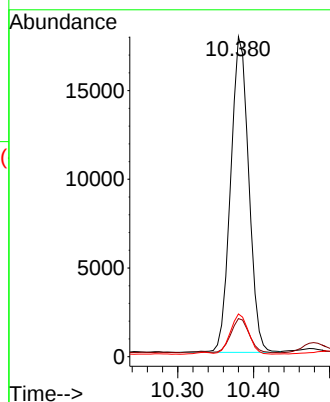
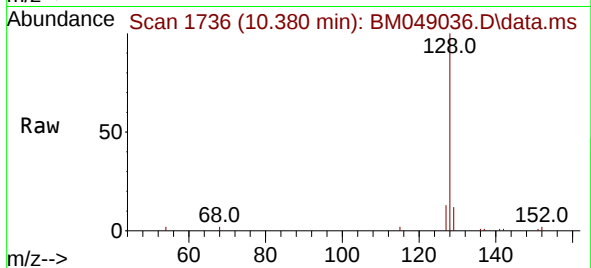
Tgt Ion:128 Resp: 29516

Ion Ratio Lower Upper

128 100

129 11.9 9.4 14.2

127 13.3 10.6 16.0



#7

2-Methylnaphthalene

Concen: 0.343 ng/ul

RT: 12.002 min Scan# 2031

Delta R.T. -0.005 min

Lab File: BM049036.D

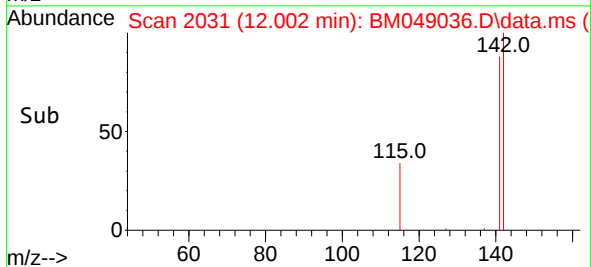
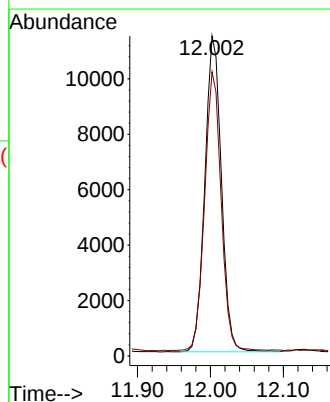
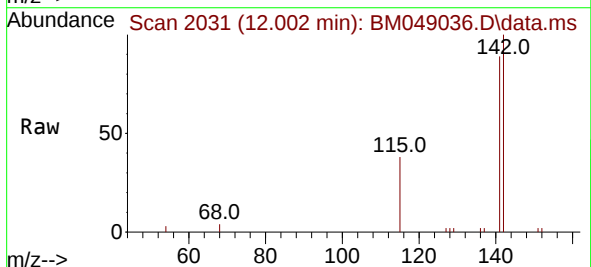
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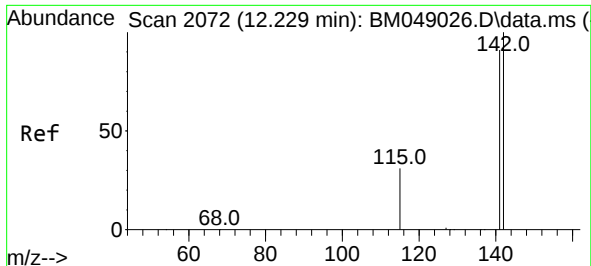
Tgt Ion:142 Resp: 18007

Ion Ratio Lower Upper

142 100

141 88.2 71.2 106.8

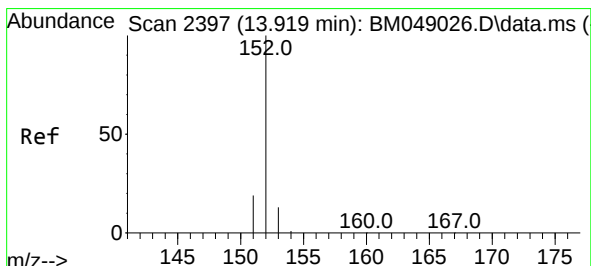
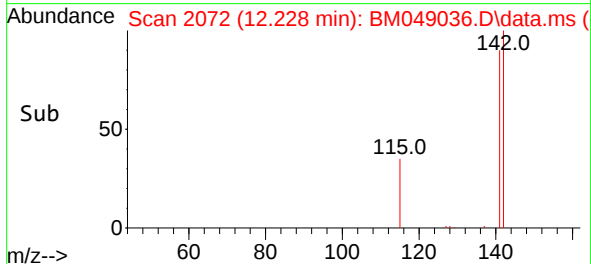
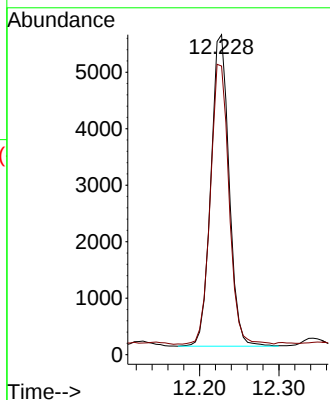
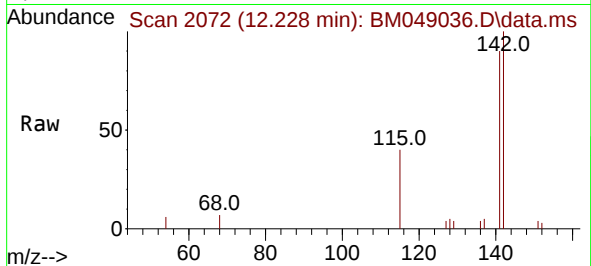




#8
1-Methylnaphthalene
Concen: 0.164 ng/ul
RT: 12.228 min Scan# 2072
Delta R.T. 0.000 min
Lab File: BM049036.D
Acq: 18 Dec 2024 00:12

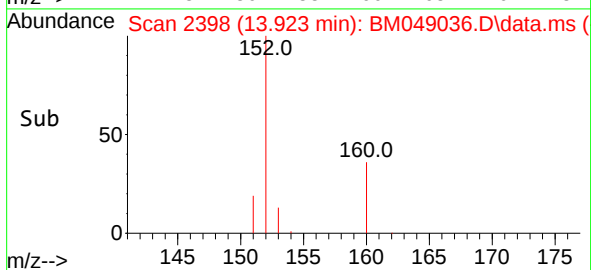
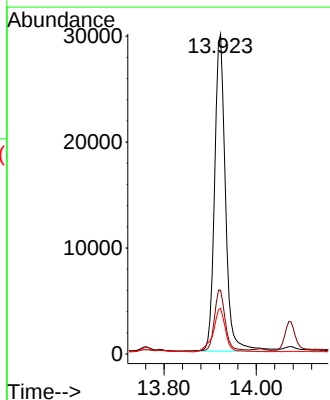
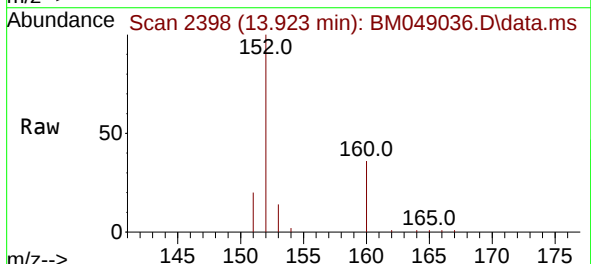
Instrument :
BNA_M
ClientSampleId :
E28R2

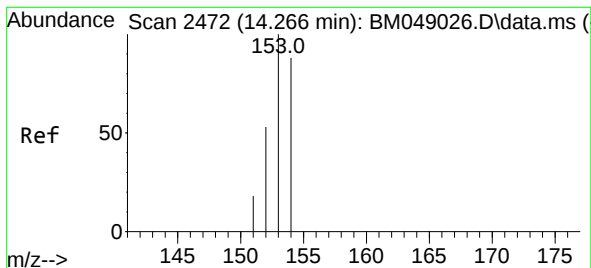
Tgt Ion:142 Resp: 8807
Ion Ratio Lower Upper
142 100
141 91.5 72.8 109.2



#10
Acenaphthylene
Concen: 0.616 ng/ul
RT: 13.923 min Scan# 2398
Delta R.T. 0.000 min
Lab File: BM049036.D
Acq: 18 Dec 2024 00:12

Tgt Ion:152 Resp: 48993
Ion Ratio Lower Upper
152 100
151 19.9 16.3 24.5
153 14.2 11.2 16.8





#11

Acenaphthene

Concen: 0.071 ng/ul

RT: 14.265 min Scan# 2472

Delta R.T. -0.005 min

Lab File: BM049036.D

Acq: 18 Dec 2024 00:12

Instrument :

BNA_M

ClientSampleId :

E28R2

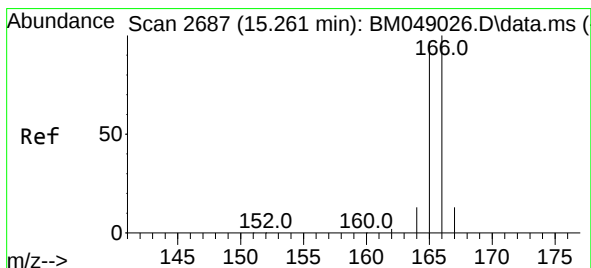
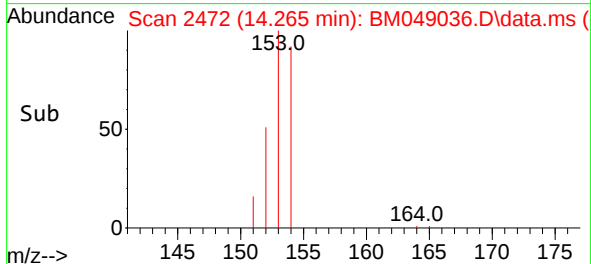
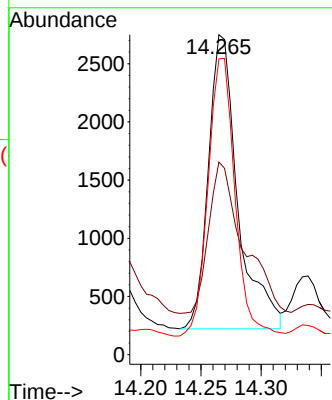
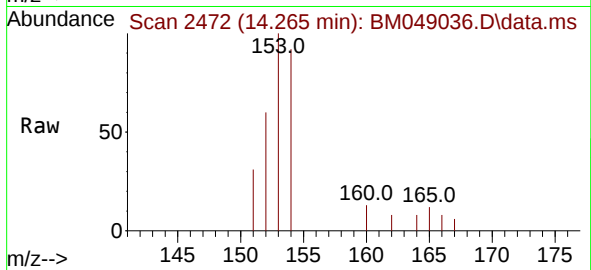
Tgt Ion:153 Resp: 4301

Ion Ratio Lower Upper

153 100

152 60.2 43.5 65.3

154 92.5 69.5 104.3



#12

Fluorene

Concen: 0.148 ng/ul

RT: 15.260 min Scan# 2687

Delta R.T. -0.005 min

Lab File: BM049036.D

Acq: 18 Dec 2024 00:12

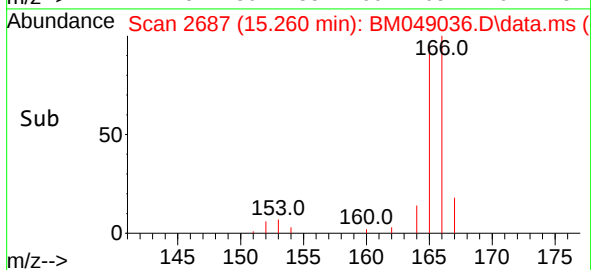
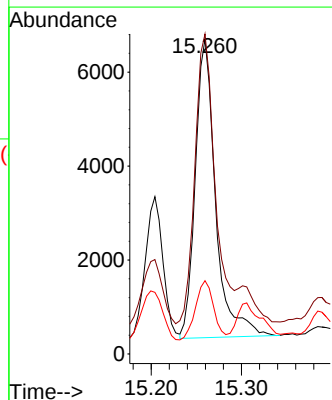
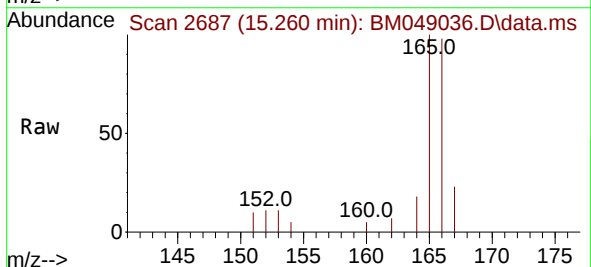
Tgt Ion:166 Resp: 9914

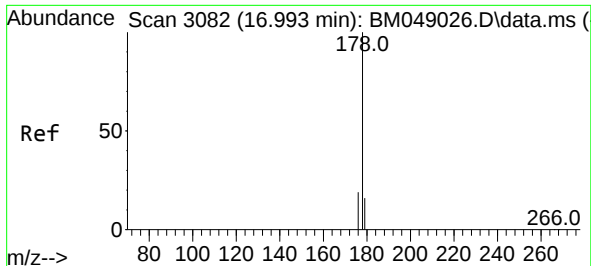
Ion Ratio Lower Upper

166 100

165 101.7 78.1 117.1

167 23.3 11.6 17.4#

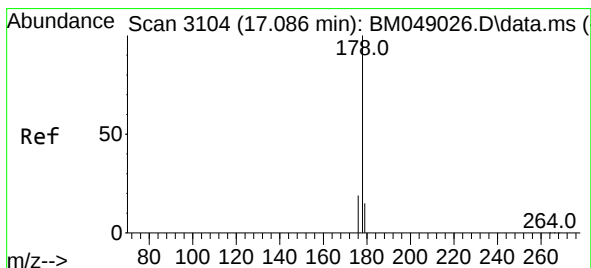
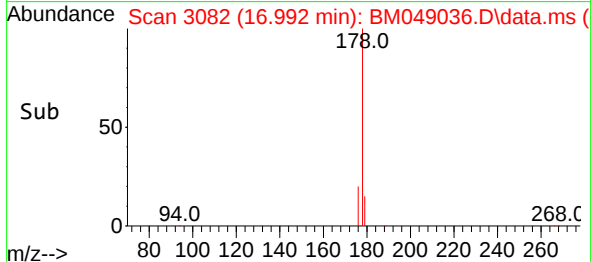
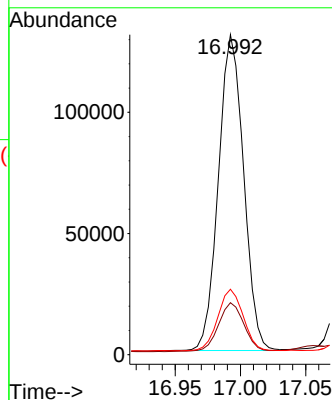
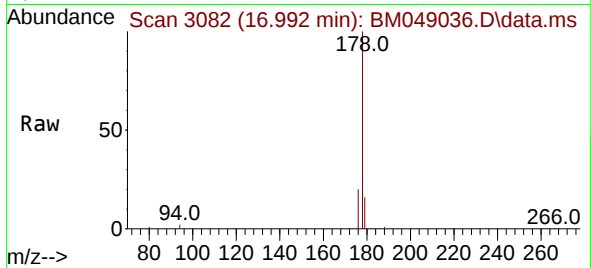




#15
Phenanthrene
Concen: 1.579 ng/ul m
RT: 16.992 min Scan# 3082
Delta R.T. -0.004 min
Lab File: BM049036.D
Acq: 18 Dec 2024 00:12

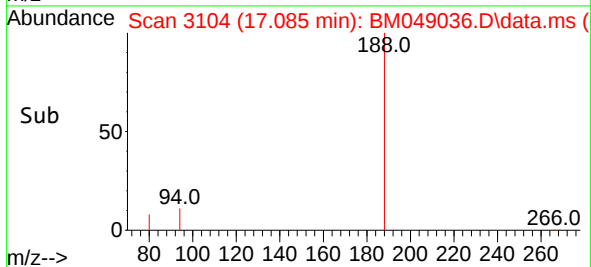
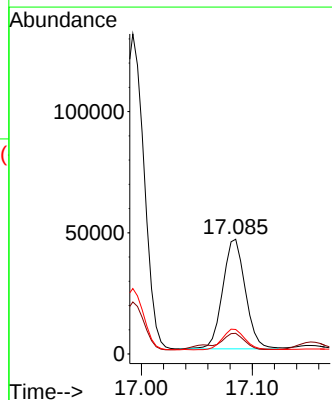
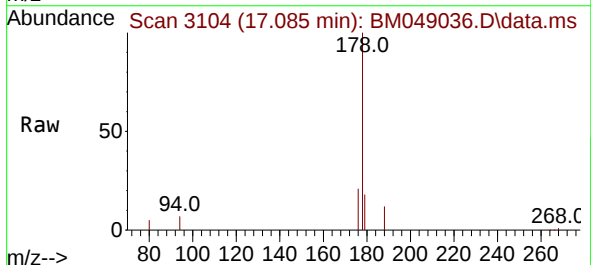
Instrument :
BNA_M
ClientSampleId :
E28R2

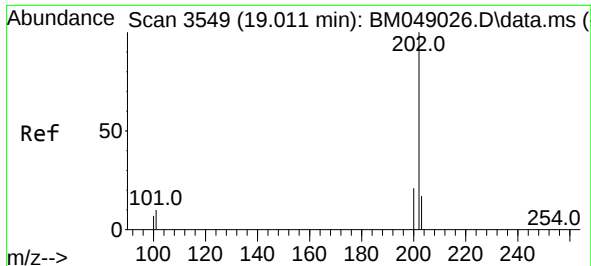
Tgt Ion:178 Resp: 174854
Ion Ratio Lower Upper
178 100
179 16.3 13.0 19.6
176 20.4 15.8 23.8



#16
Anthracene
Concen: 0.651 ng/ul m
RT: 17.085 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM049036.D
Acq: 18 Dec 2024 00:12

Tgt Ion:178 Resp: 64249
Ion Ratio Lower Upper
178 100
179 18.0 13.0 19.4
176 21.4 15.0 22.6

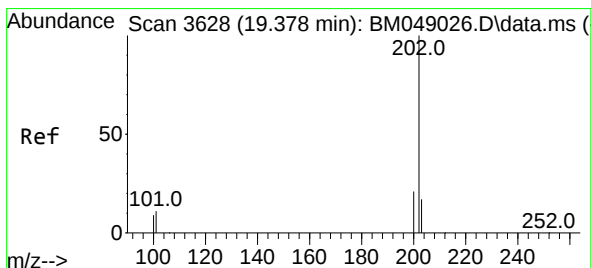
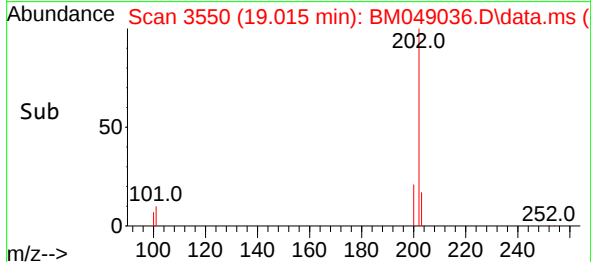
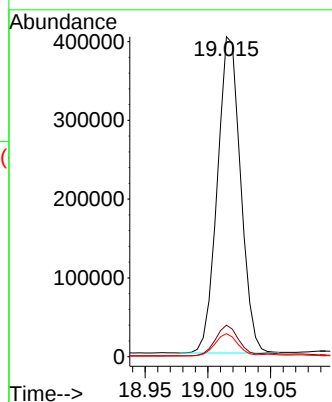
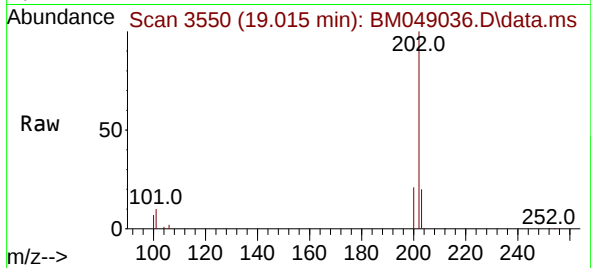




#19
Fluoranthene
Concen: 4.166 ng/ul m
RT: 19.015 min Scan# 3549
Delta R.T. 0.000 min
Lab File: BM049036.D
Acq: 18 Dec 2024 00:12

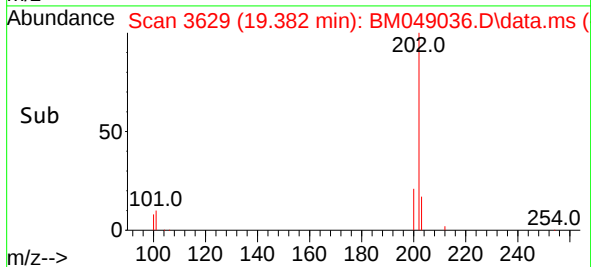
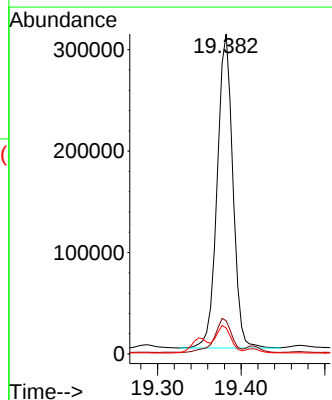
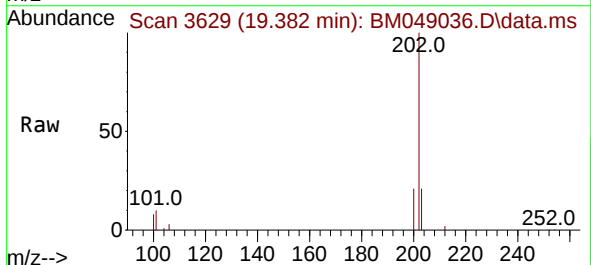
Instrument :
BNA_M
ClientSampleId :
E28R2

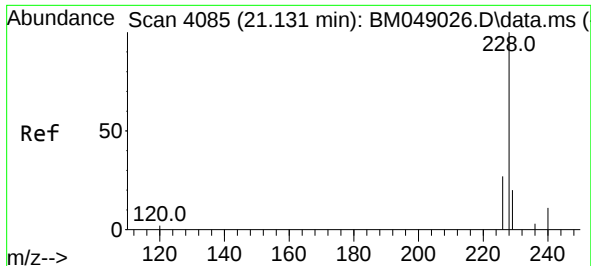
Tgt Ion:202 Resp: 517933
Ion Ratio Lower Upper
202 100
101 9.8 9.7 14.5
100 7.2 7.3 10.9#



#20
Pyrene
Concen: 3.001 ng/ul m
RT: 19.382 min Scan# 3629
Delta R.T. 0.000 min
Lab File: BM049036.D
Acq: 18 Dec 2024 00:12

Tgt Ion:202 Resp: 402113
Ion Ratio Lower Upper
202 100
101 10.4 10.6 16.0#
100 8.2 8.4 12.6#

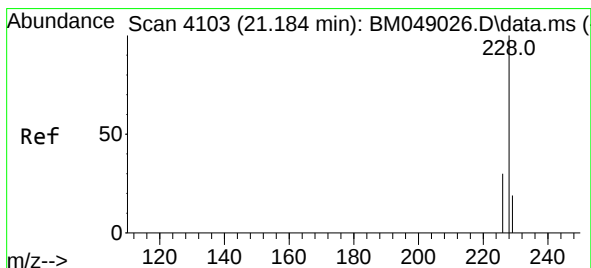
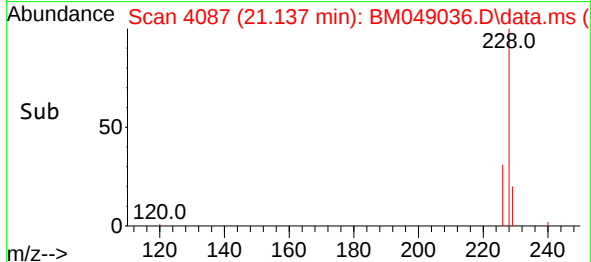
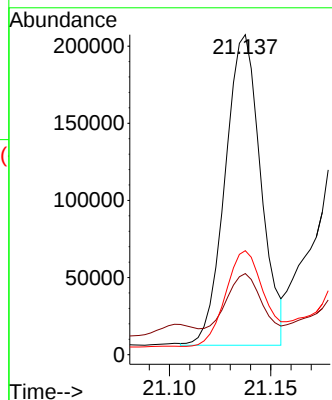
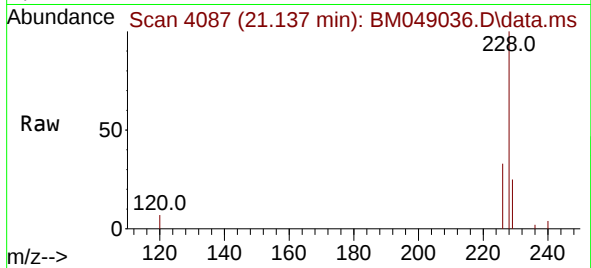




#21
Benzo(a)anthracene
Concen: 2.345 ng/ul m
RT: 21.137 min Scan# 4087
Delta R.T. 0.003 min
Lab File: BM049036.D
Acq: 18 Dec 2024 00:12

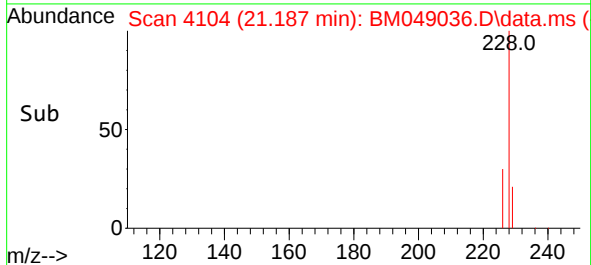
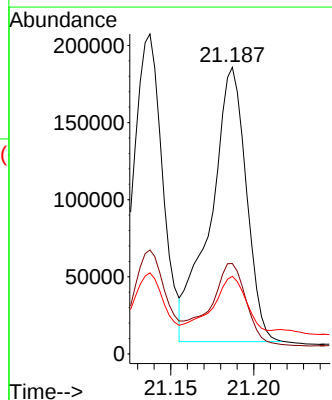
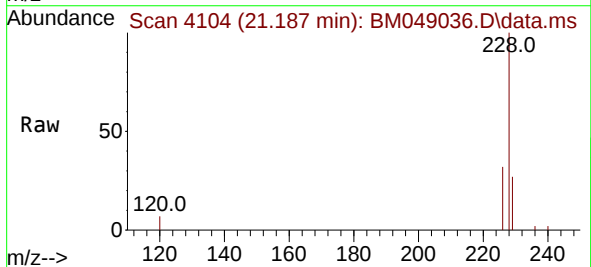
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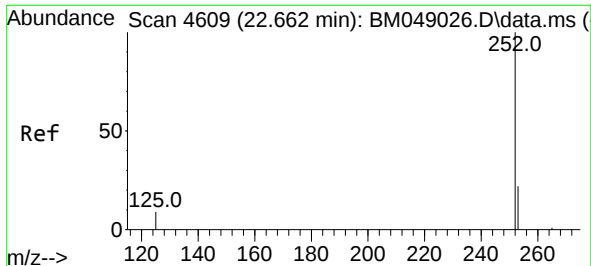
Tgt Ion:228 Resp: 247405
Ion Ratio Lower Upper
228 100
229 25.4 15.7 23.5#
226 32.5 23.0 34.4



#22
Chrysene
Concen: 2.223 ng/ul m
RT: 21.187 min Scan# 4104
Delta R.T. 0.000 min
Lab File: BM049036.D
Acq: 18 Dec 2024 00:12

Tgt Ion:228 Resp: 265368
Ion Ratio Lower Upper
228 100
226 31.6 24.8 37.2
229 27.1 16.0 24.0#

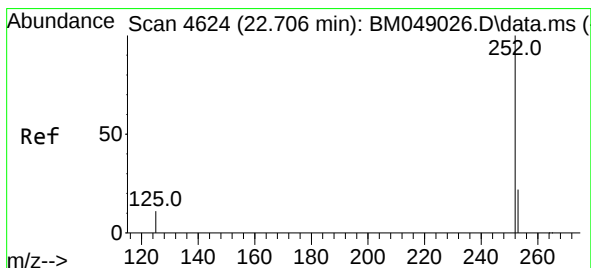
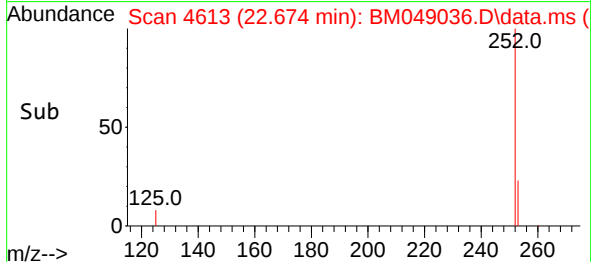
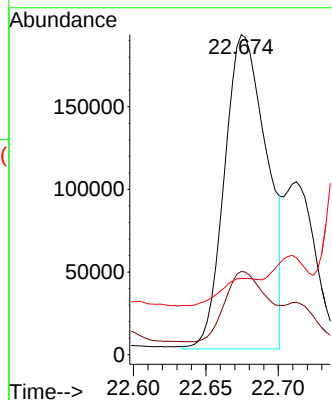
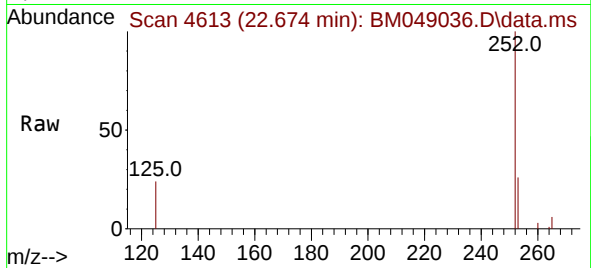




#24
Benzo(b)fluoranthene
Concen: 3.180 ng/ul m
RT: 22.674 min Scan# 4613
Delta R.T. 0.009 min
Lab File: BM049036.D
Acq: 18 Dec 2024 00:12

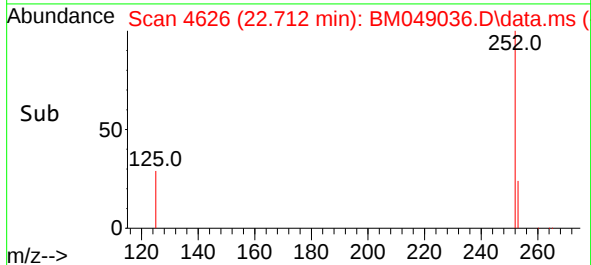
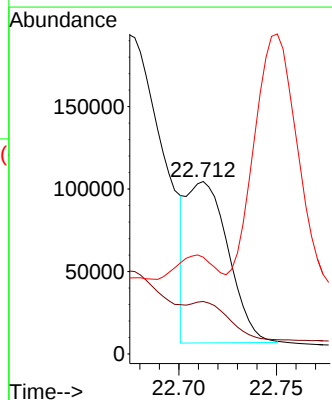
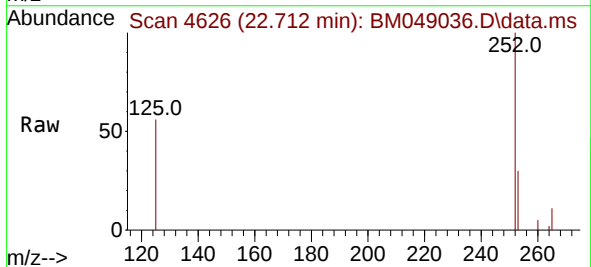
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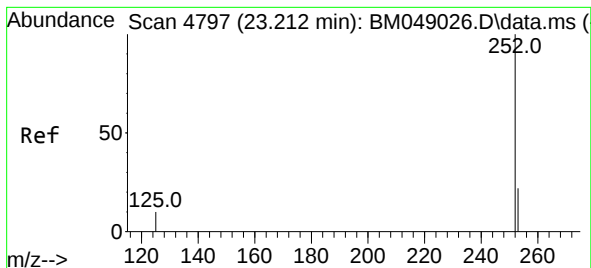
Tgt Ion:252 Resp: 385963
Ion Ratio Lower Upper
252 100
253 26.0 0.0 51.0
125 23.8 0.0 36.6



#25
Benzo(k)fluoranthene
Concen: 1.038 ng/ul m
RT: 22.712 min Scan# 4626
Delta R.T. 0.003 min
Lab File: BM049036.D
Acq: 18 Dec 2024 00:12

Tgt Ion:252 Resp: 145739
Ion Ratio Lower Upper
252 100
253 30.4 20.5 30.7
125 56.1 17.3 25.9#





#26

Benzo(a)pyrene

Concen: 1.499 ng/ul

RT: 23.224 min Scan# 4801

Delta R.T. 0.009 min

Lab File: BM049036.D

Acq: 18 Dec 2024 00:12

Instrument :

BNA_M

ClientSampleId :

E28R2

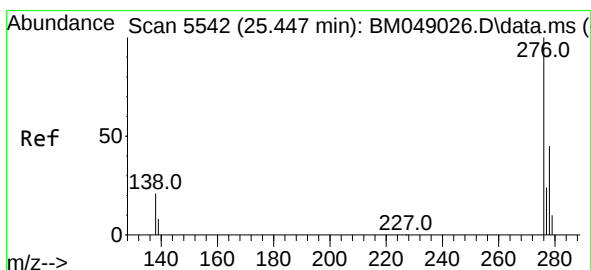
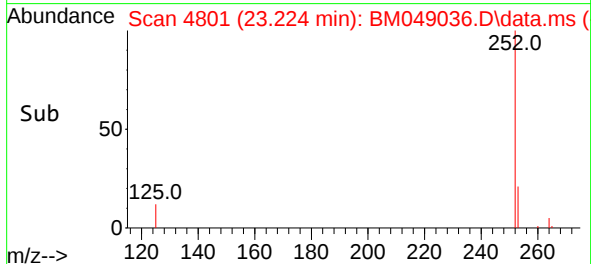
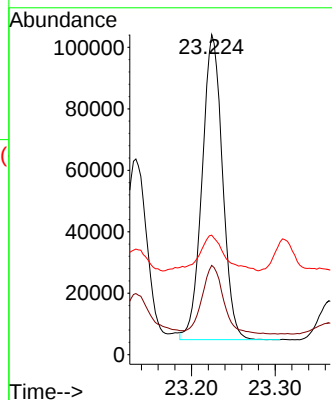
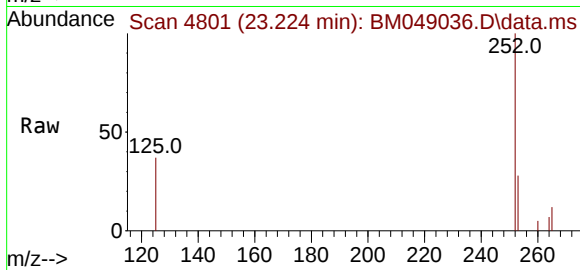
Tgt Ion:252 Resp: 168265

Ion Ratio Lower Upper

252 100

253 27.9 21.8 32.8

125 37.4 18.6 27.8#



#27

Indeno(1,2,3-cd)pyrene

Concen: 1.014 ng/ul m

RT: 25.471 min Scan# 5549

Delta R.T. 0.017 min

Lab File: BM049036.D

Acq: 18 Dec 2024 00:12

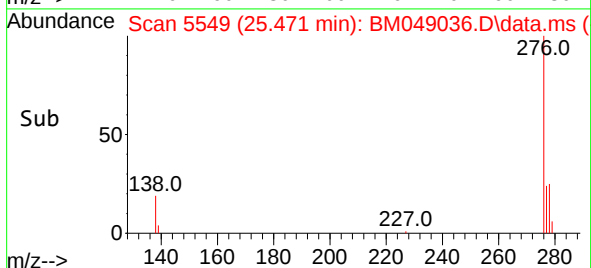
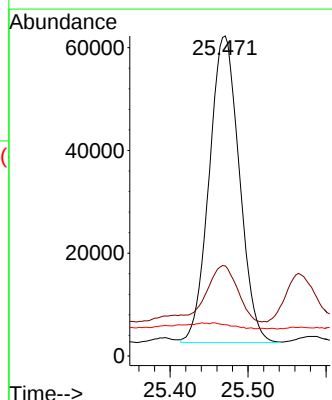
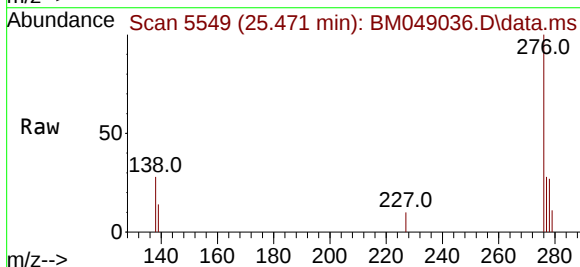
Tgt Ion:276 Resp: 159946

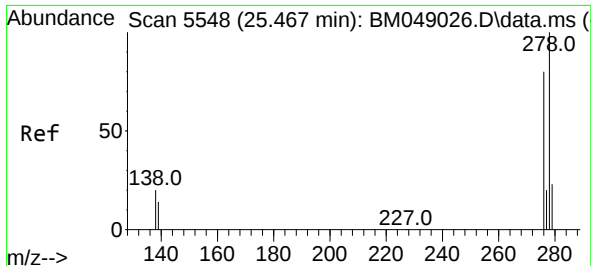
Ion Ratio Lower Upper

276 100

138 0.0 22.1 33.1#

227 0.0 0.2 0.2#

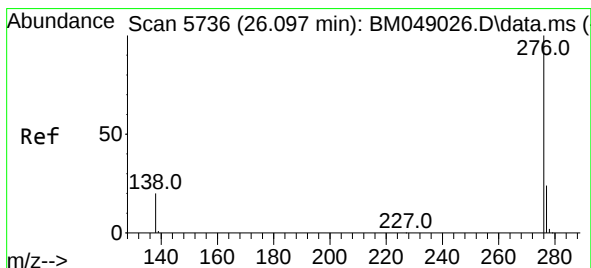
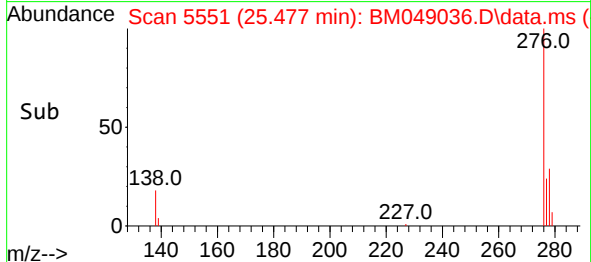
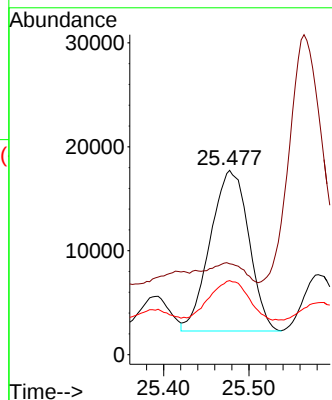
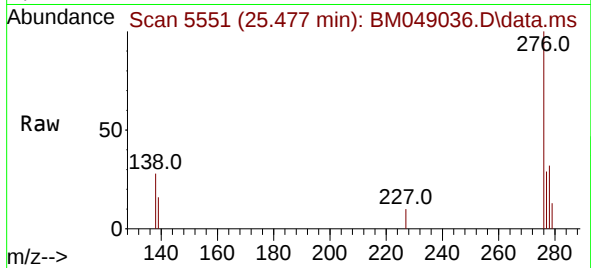




#28
Dibenzo(a,h)anthracene
Concen: 0.396 ng/ul m
RT: 25.477 min Scan# 51
Delta R.T. 0.003 min
Lab File: BM049036.D
Acq: 18 Dec 2024 00:12

Instrument :
BNA_M
ClientSampleId :
E28R2

Tgt Ion:278 Resp: 48568
Ion Ratio Lower Upper
278 100
139 49.3 17.4 26.0#
279 40.2 21.1 31.7#



#29
Benzo(g,h,i)perylene
Concen: 0.203 ng/ul
RT: 26.128 min Scan# 5745
Delta R.T. 0.030 min
Lab File: BM049036.D
Acq: 18 Dec 2024 00:12

Tgt Ion:276 Resp: 25742
Ion Ratio Lower Upper
276 100
138 62.8 19.8 29.6#
277 42.1 19.6 29.4#

