

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
 Data File : BM049029.D
 Acq On : 17 Dec 2024 20:01
 Operator : RC/JU
 Sample : P5155-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28W0

Quant Time: Dec 18 01:47:43 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)

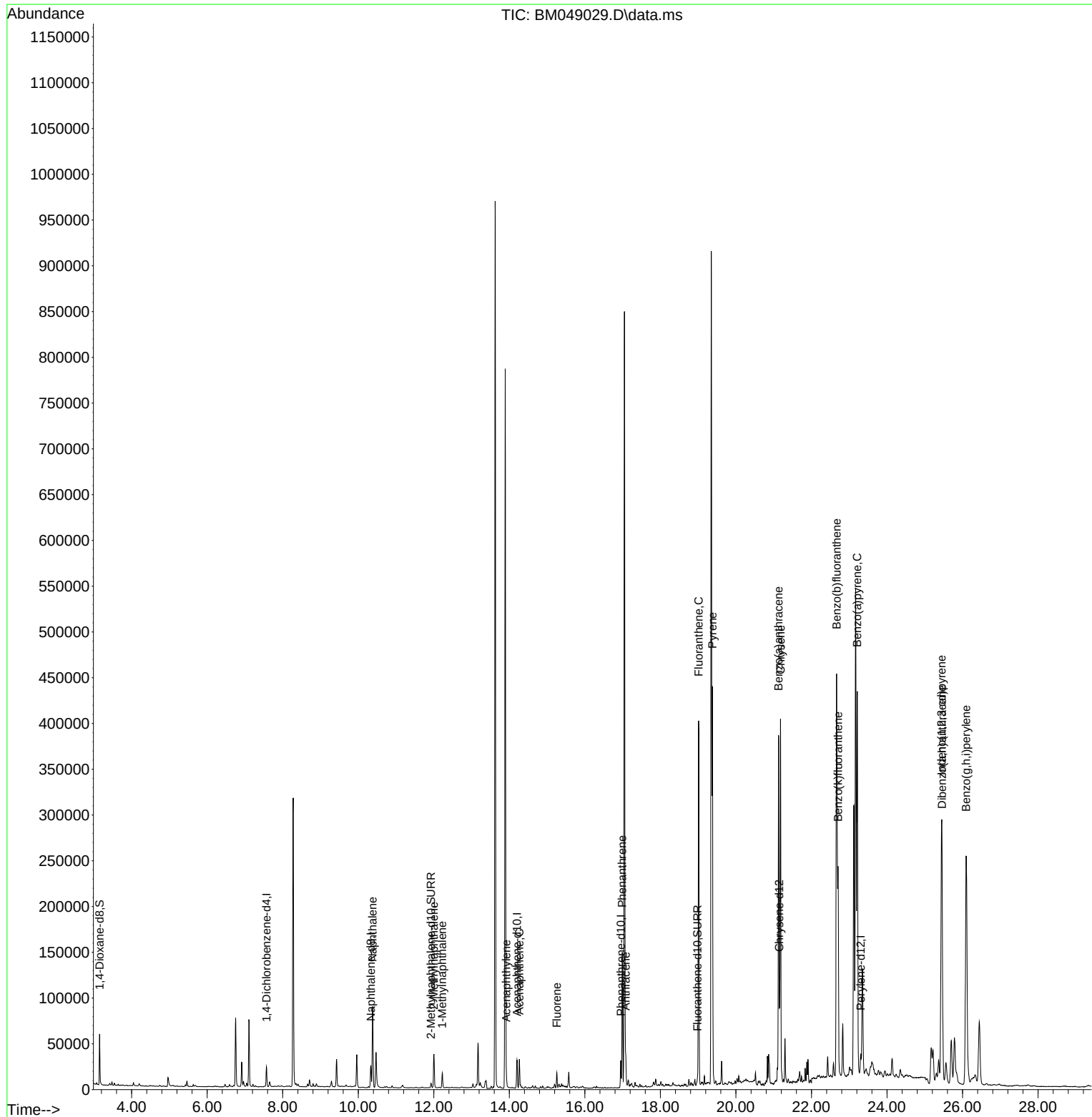
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.569	152	10423	0.400	ng/ul	0.00
4) Naphthalene-d8	10.332	136	31475	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.206	164	16902	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.951	188	34404	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.146	240	23852	0.400	ng/ul	0.00
23) Perylene-d12	23.303	264	25347	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	30590	2.511	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.926	152	6573	0.164	ng/ul	0.00
18) Fluoranthene-d10	18.984	212	10304	0.145	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.381	128	109182	1.353	ng/ul	98
7) 2-Methylnaphthalene	12.003	142	27142	0.551	ng/ul	99
8) 1-Methylnaphthalene	12.223	142	11352	0.226	ng/ul	99
10) Acenaphthylene	13.919	152	11932	0.167	ng/ul	98
11) Acenaphthene	14.266	153	18090	0.335	ng/ul	97
12) Fluorene	15.256	166	9411	0.157	ng/ul#	95
15) Phenanthrene	16.989	178	152639	1.619	ng/ul	99
16) Anthracene	17.082	178	29611	0.352	ng/ul	98
19) Fluoranthene	19.011	202	351955	3.558	ng/ul#	94
20) Pyrene	19.379	202	375981	3.527	ng/ul#	93
21) Benzo(a)anthracene	21.128	228	305697	3.642	ng/ul	98
22) Chrysene	21.181	228	373593	3.934	ng/ul	98
24) Benzo(b)fluoranthene	22.665	252	694359m	7.927	ng/ul	
25) Benzo(k)fluoranthene	22.703	252	237998m	2.349	ng/ul	
26) Benzo(a)pyrene	23.212	252	540759	6.675	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	25.447	276	454122	3.991	ng/ul#	83
28) Dibenzo(a,h)anthracene	25.457	278	98517	1.113	ng/ul#	95
29) Benzo(g,h,i)perylene	26.094	276	511307	5.586	ng/ul	94

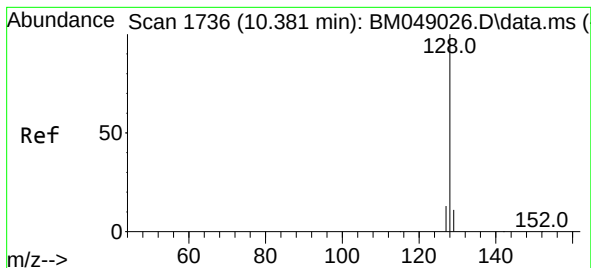
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 1.353 ng/ul

RT: 10.381 min Scan# 1736

Delta R.T. -0.004 min

Lab File: BM049029.D

Acq: 17 Dec 2024 20:01

Instrument :

BNA_M

ClientSampleId :

E28W0

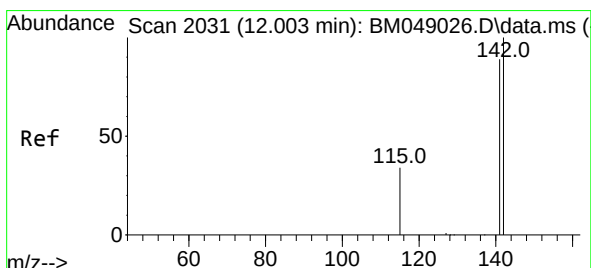
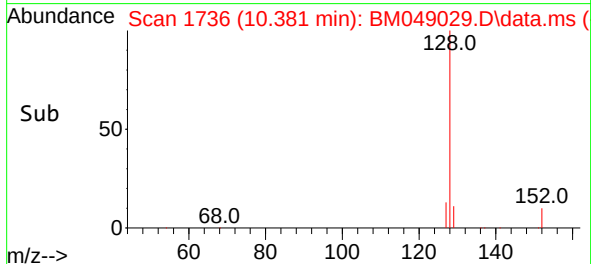
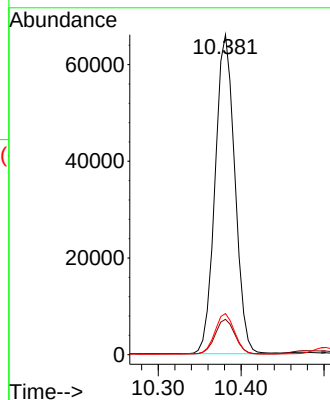
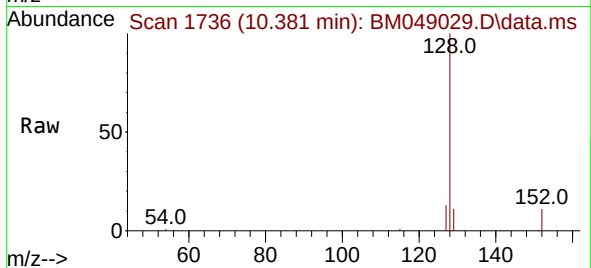
Tgt Ion:128 Resp: 109182

Ion Ratio Lower Upper

128 100

129 11.1 9.4 14.2

127 12.8 10.6 16.0



#7

2-Methylnaphthalene

Concen: 0.551 ng/ul

RT: 12.003 min Scan# 2031

Delta R.T. -0.004 min

Lab File: BM049029.D

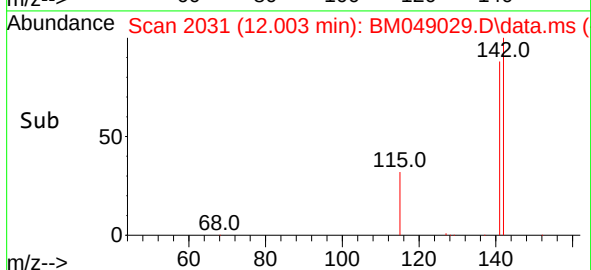
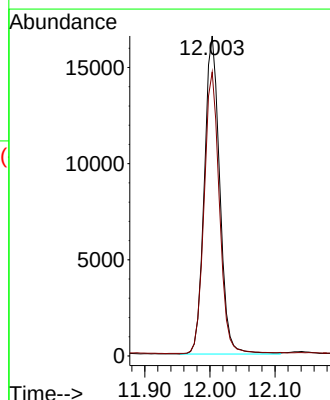
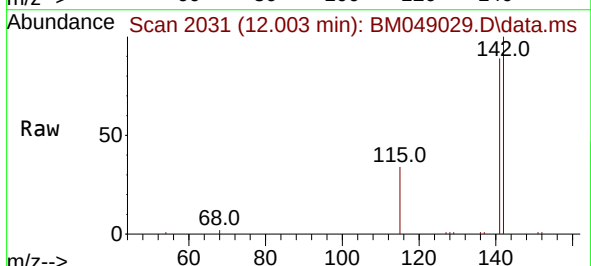
Acq: 17 Dec 2024 20:01

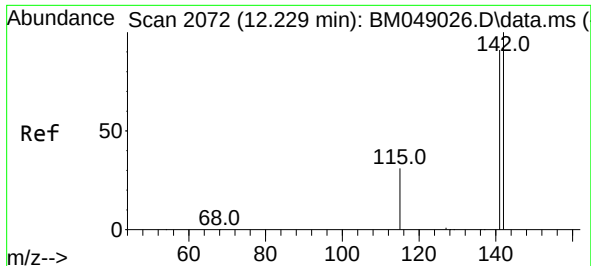
Tgt Ion:142 Resp: 27142

Ion Ratio Lower Upper

142 100

141 88.4 71.2 106.8

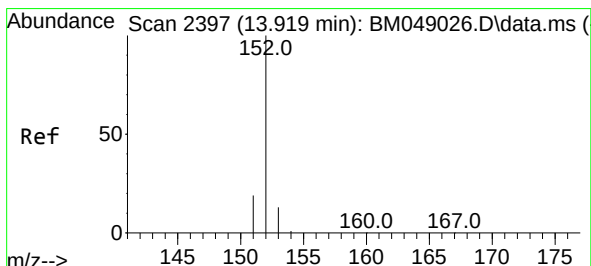
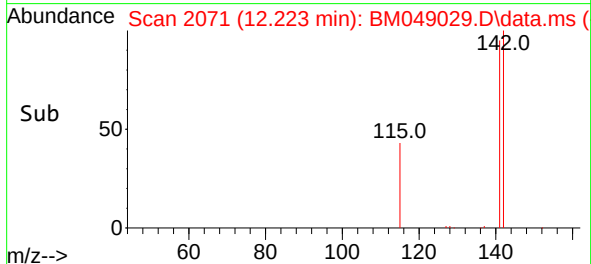
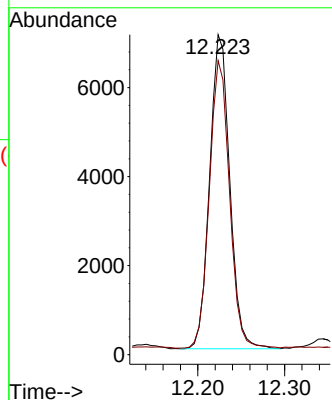
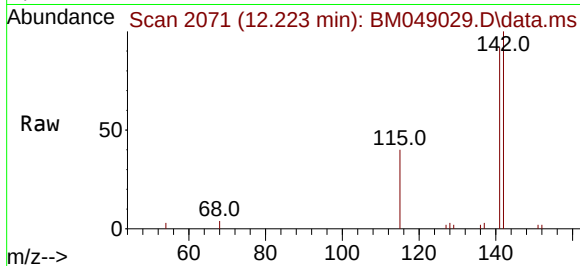




#8
1-Methylnaphthalene
Concen: 0.226 ng/ul
RT: 12.223 min Scan# 2071
Delta R.T. -0.004 min
Lab File: BM049029.D
Acq: 17 Dec 2024 20:01

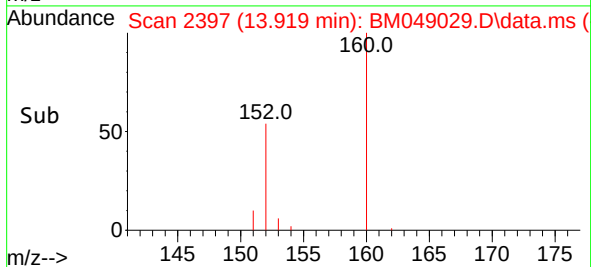
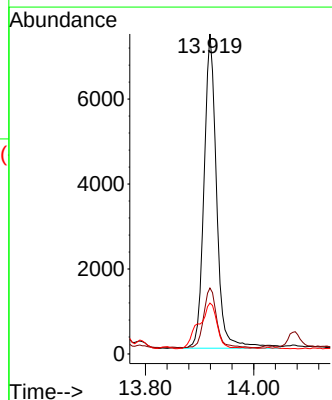
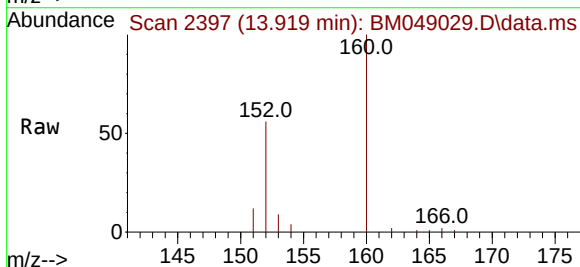
Instrument :
BNA_M
ClientSampleId :
E28W0

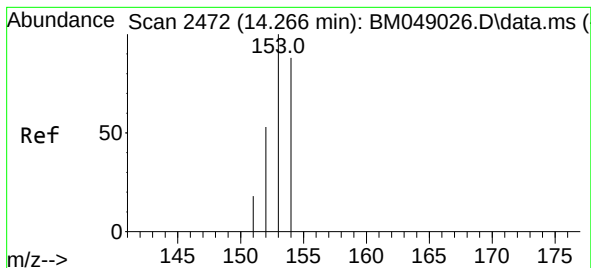
Tgt Ion:142 Resp: 11352
Ion Ratio Lower Upper
142 100
141 91.6 72.8 109.2



#10
Acenaphthylene
Concen: 0.167 ng/ul
RT: 13.919 min Scan# 2397
Delta R.T. -0.003 min
Lab File: BM049029.D
Acq: 17 Dec 2024 20:01

Tgt Ion:152 Resp: 11932
Ion Ratio Lower Upper
152 100
151 20.6 16.3 24.5
153 15.9 11.2 16.8





#11

Acenaphthene

Concen: 0.335 ng/ul

RT: 14.266 min Scan# 2472

Delta R.T. -0.003 min

Lab File: BM049029.D

Acq: 17 Dec 2024 20:01

Instrument :

BNA_M

ClientSampleId :

E28W0

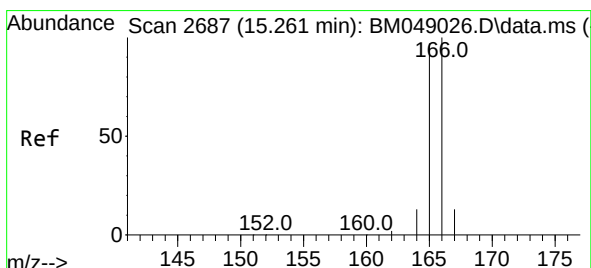
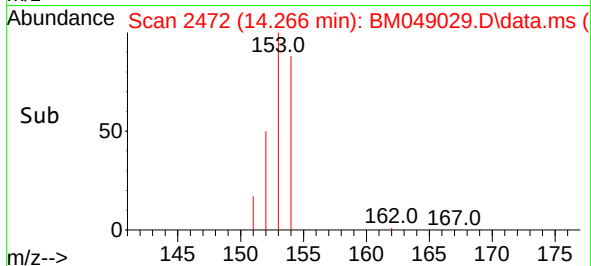
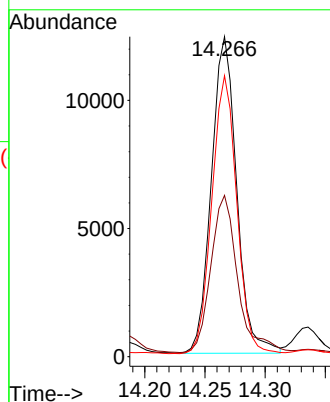
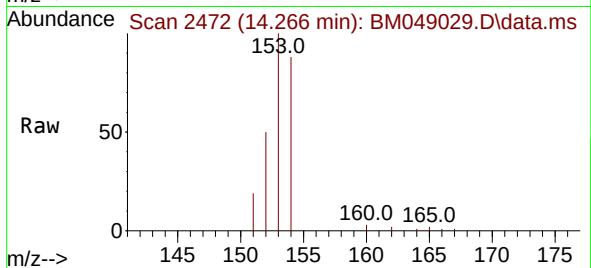
Tgt Ion:153 Resp: 18090

Ion Ratio Lower Upper

153 100

152 50.4 43.5 65.3

154 87.8 69.5 104.3



#12

Fluorene

Concen: 0.157 ng/ul

RT: 15.256 min Scan# 2686

Delta R.T. -0.008 min

Lab File: BM049029.D

Acq: 17 Dec 2024 20:01

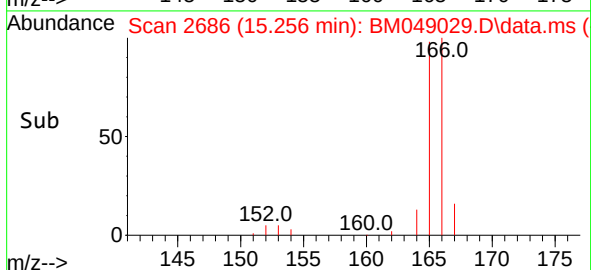
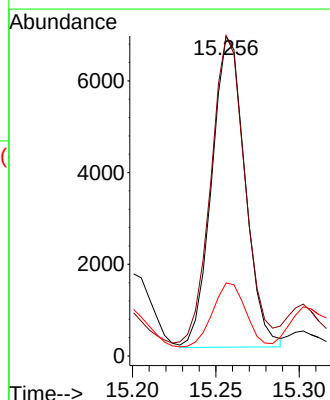
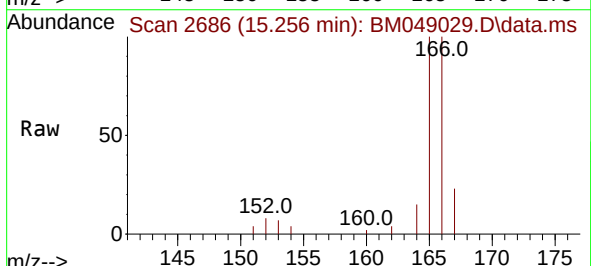
Tgt Ion:166 Resp: 9411

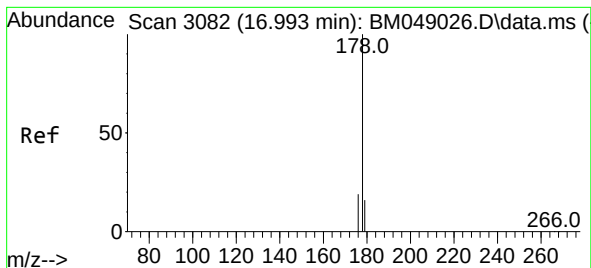
Ion Ratio Lower Upper

166 100

165 100.0 78.1 117.1

167 22.8 11.6 17.4#





#15

Phenanthrene

Concen: 1.619 ng/ul

RT: 16.989 min Scan# 3082

Delta R.T. -0.007 min

Lab File: BM049029.D

Acq: 17 Dec 2024 20:01

Instrument :

BNA_M

ClientSampleId :

E28W0

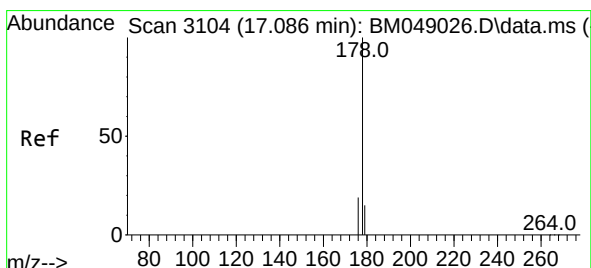
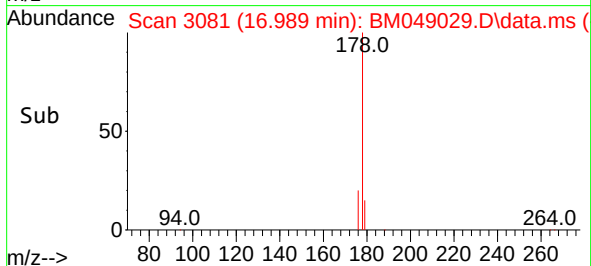
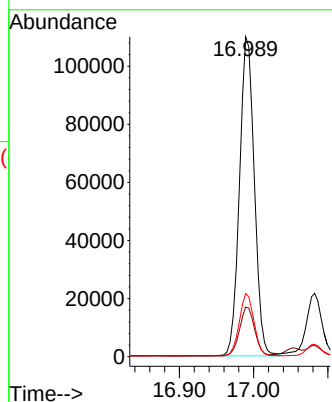
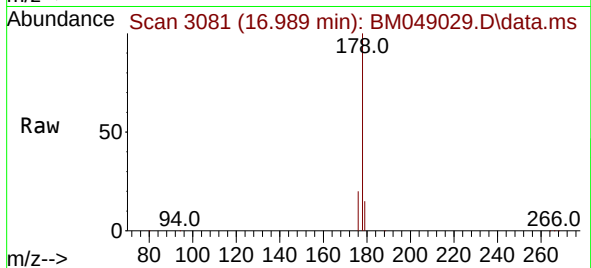
Tgt Ion:178 Resp: 152639

Ion Ratio Lower Upper

178 100

179 15.5 13.0 19.6

176 19.7 15.8 23.8



#16

Anthracene

Concen: 0.352 ng/ul

RT: 17.082 min Scan# 3103

Delta R.T. -0.003 min

Lab File: BM049029.D

Acq: 17 Dec 2024 20:01

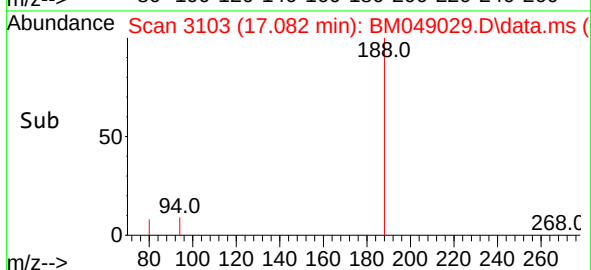
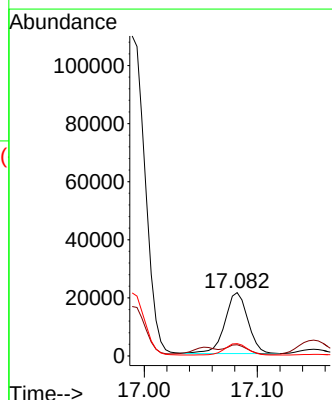
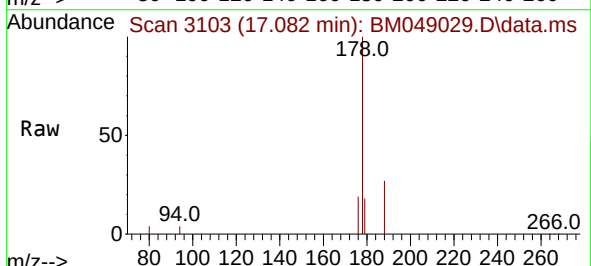
Tgt Ion:178 Resp: 29611

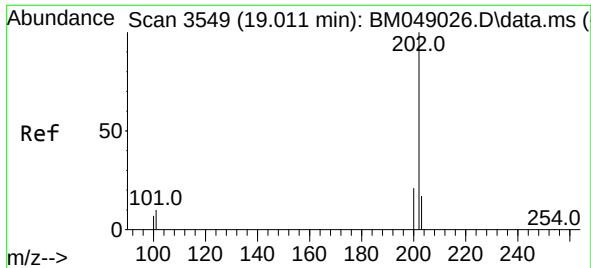
Ion Ratio Lower Upper

178 100

179 17.6 13.0 19.4

176 19.4 15.0 22.6

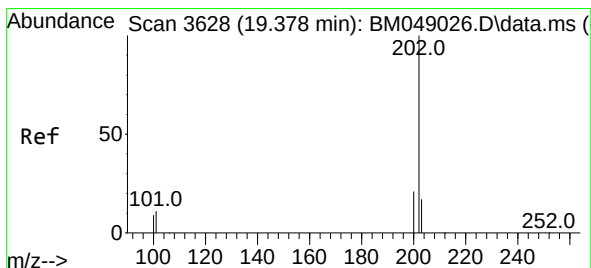
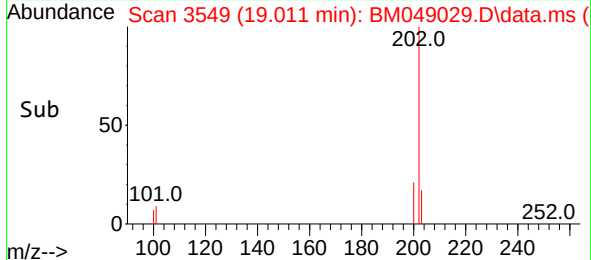
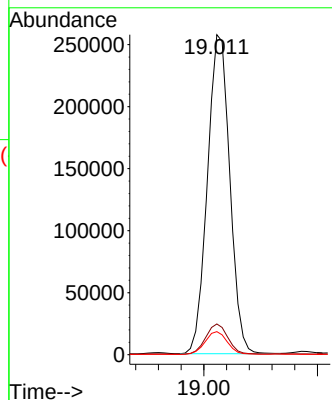
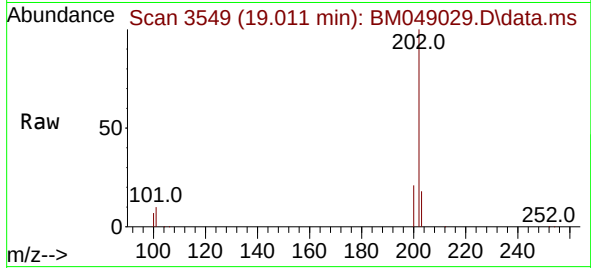




#19
Fluoranthene
Concen: 3.558 ng/ul
RT: 19.011 min Scan# 3549
Delta R.T. -0.003 min
Lab File: BM049029.D
Acq: 17 Dec 2024 20:01

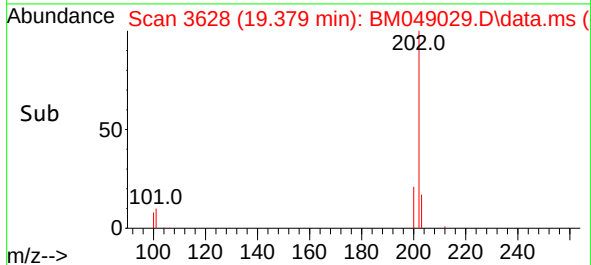
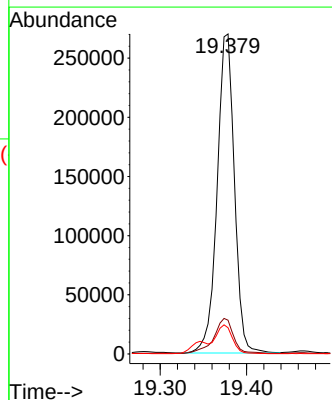
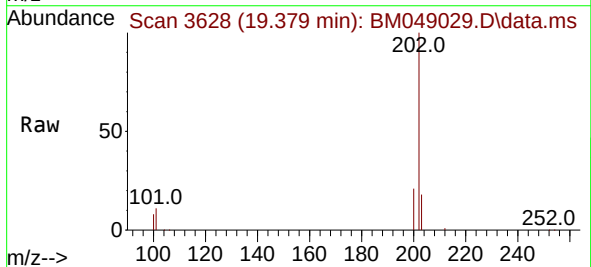
Instrument :
BNA_M
ClientSampleId :
E28W0

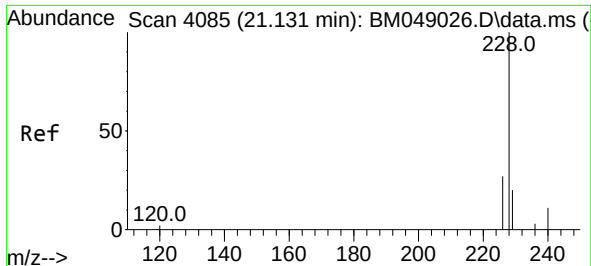
Tgt Ion:202 Resp: 351955
Ion Ratio Lower Upper
202 100
101 9.6 9.7 14.5#
100 7.2 7.3 10.9#



#20
Pyrene
Concen: 3.527 ng/ul
RT: 19.379 min Scan# 3628
Delta R.T. -0.003 min
Lab File: BM049029.D
Acq: 17 Dec 2024 20:01

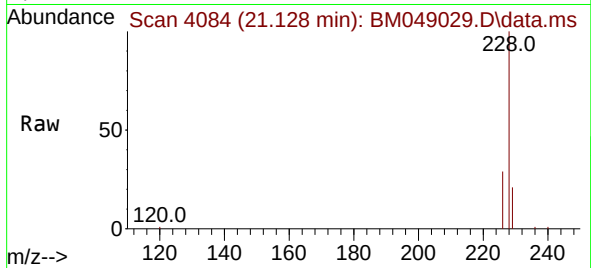
Tgt Ion:202 Resp: 375981
Ion Ratio Lower Upper
202 100
101 10.5 10.6 16.0#
100 8.2 8.4 12.6#



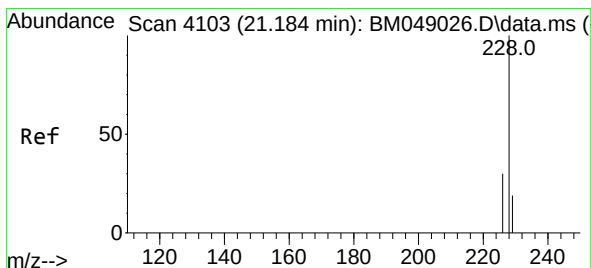
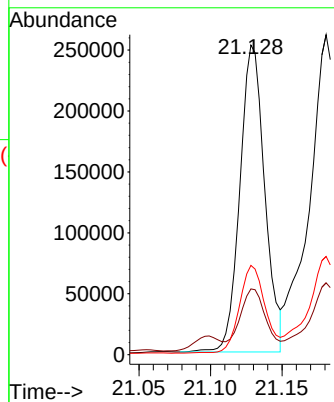
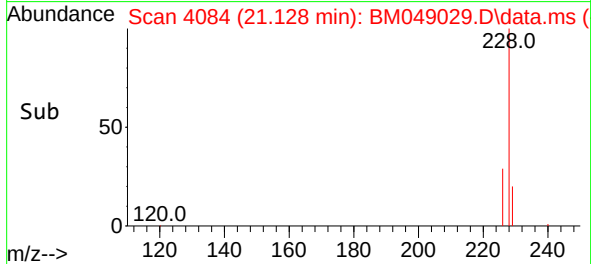


#21
Benzo(a)anthracene
Concen: 3.642 ng/ul
RT: 21.128 min Scan# 4084
Delta R.T. -0.006 min
Lab File: BM049029.D
Acq: 17 Dec 2024 20:01

Instrument :
BNA_M
ClientSampleId :
E28W0

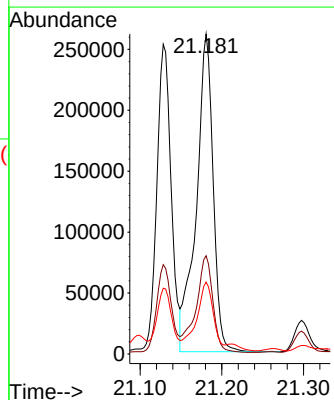
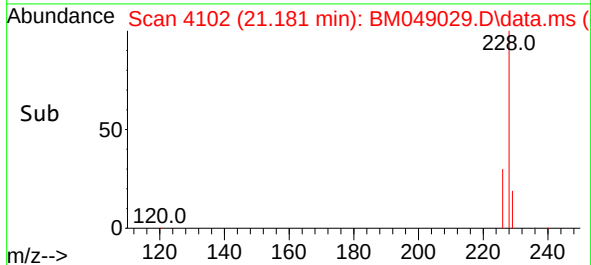
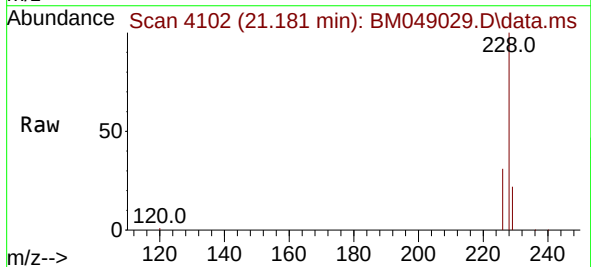


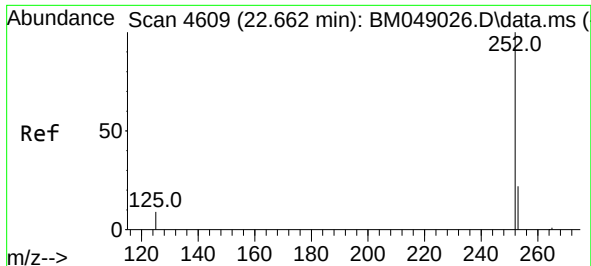
Tgt Ion:228 Resp: 305697
Ion Ratio Lower Upper
228 100
229 21.2 15.7 23.5
226 28.8 23.0 34.4



#22
Chrysene
Concen: 3.934 ng/ul
RT: 21.181 min Scan# 4102
Delta R.T. -0.006 min
Lab File: BM049029.D
Acq: 17 Dec 2024 20:01

Tgt Ion:228 Resp: 373593
Ion Ratio Lower Upper
228 100
226 30.7 24.8 37.2
229 22.5 16.0 24.0

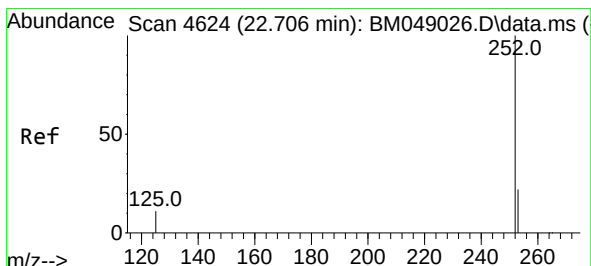
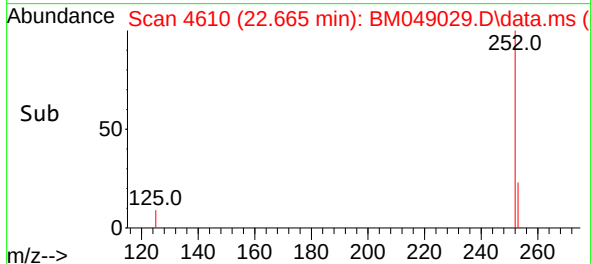
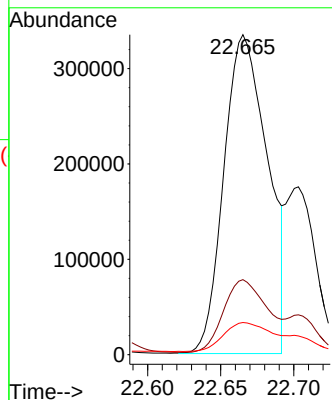
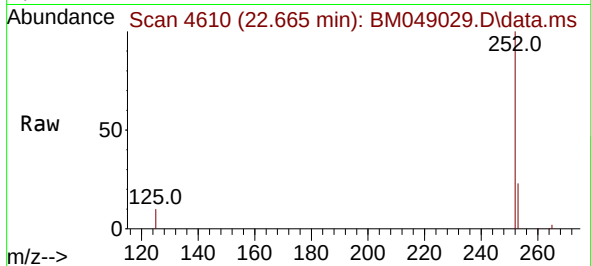




#24
Benzo(b)fluoranthene
Concen: 7.927 ng/ul m
RT: 22.665 min Scan# 4610
Delta R.T. -0.000 min
Lab File: BM049029.D
Acq: 17 Dec 2024 20:01

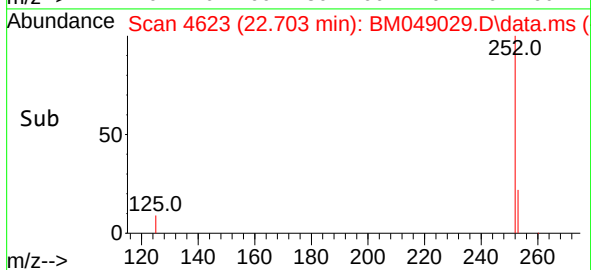
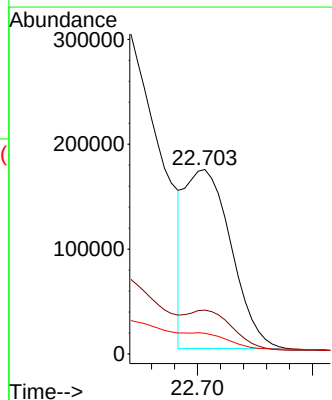
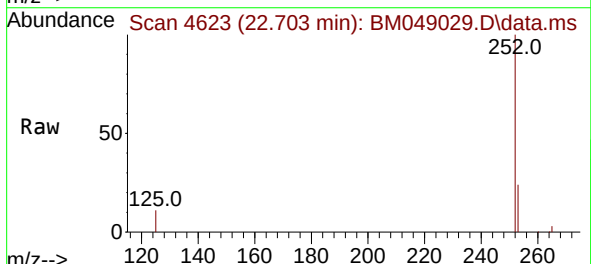
Instrument :
BNA_M
ClientSampleId :
E28W0

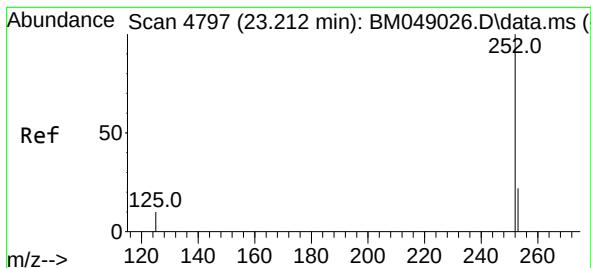
Tgt Ion:252 Resp: 694359
Ion Ratio Lower Upper
252 100
253 23.4 0.0 51.0
125 10.0 0.0 36.6



#25
Benzo(k)fluoranthene
Concen: 2.349 ng/ul m
RT: 22.703 min Scan# 4623
Delta R.T. -0.006 min
Lab File: BM049029.D
Acq: 17 Dec 2024 20:01

Tgt Ion:252 Resp: 237998
Ion Ratio Lower Upper
252 100
253 23.8 20.5 30.7
125 11.2 17.3 25.9#





#26

Benzo(a)pyrene

Concen: 6.675 ng/ul

RT: 23.212 min Scan# 4797

Delta R.T. -0.003 min

Lab File: BM049029.D

Acq: 17 Dec 2024 20:01

Instrument :

BNA_M

ClientSampleId :

E28W0

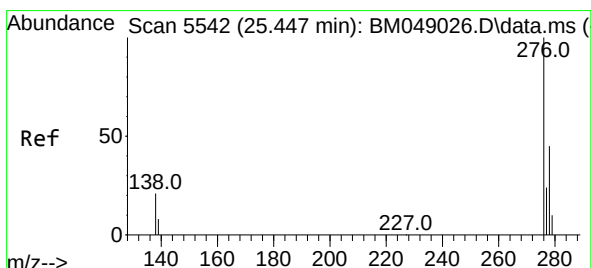
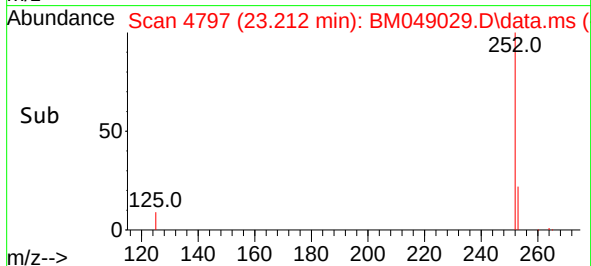
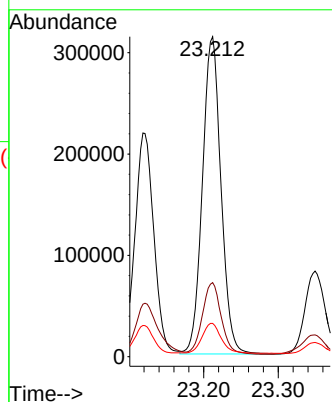
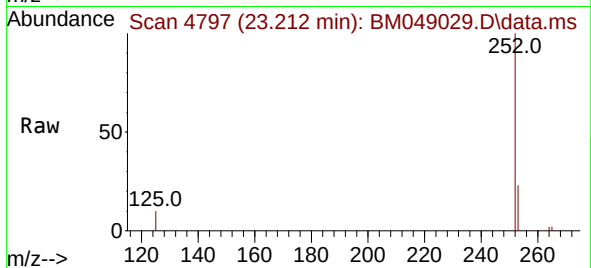
Tgt Ion:252 Resp: 540759

Ion Ratio Lower Upper

252 100

253 23.2 21.8 32.8

125 10.4 18.6 27.8#



#27

Indeno(1,2,3-cd)pyrene

Concen: 3.991 ng/ul

RT: 25.447 min Scan# 5542

Delta R.T. -0.007 min

Lab File: BM049029.D

Acq: 17 Dec 2024 20:01

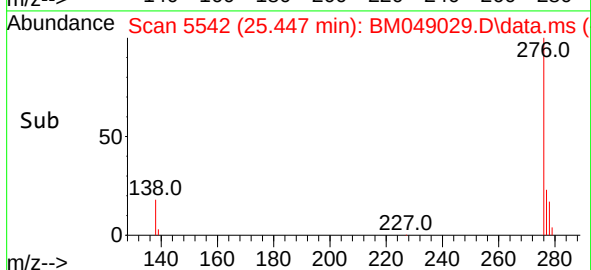
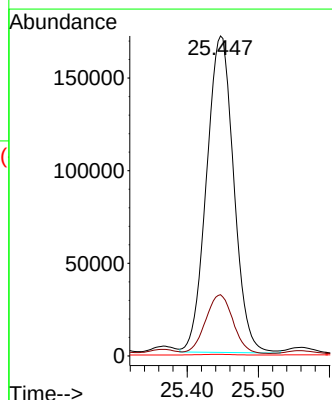
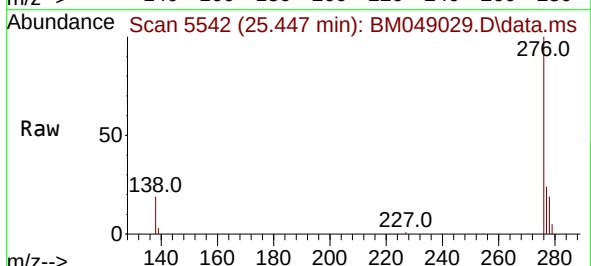
Tgt Ion:276 Resp: 454122

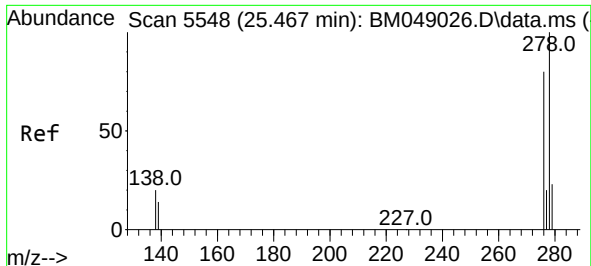
Ion Ratio Lower Upper

276 100

138 18.7 22.1 33.1#

227 0.3 0.2 0.2#

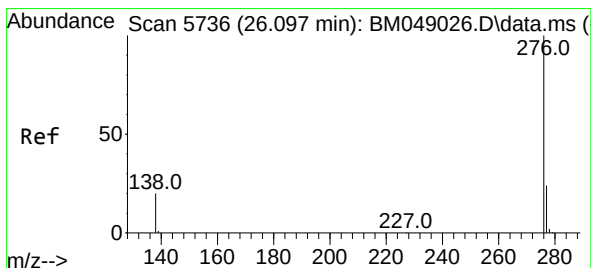
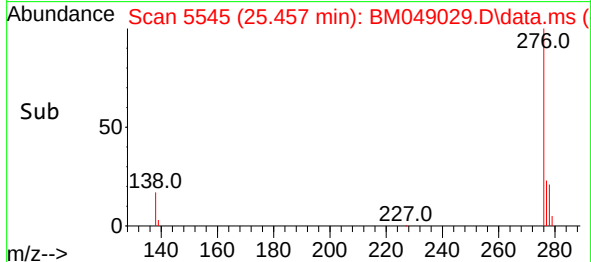
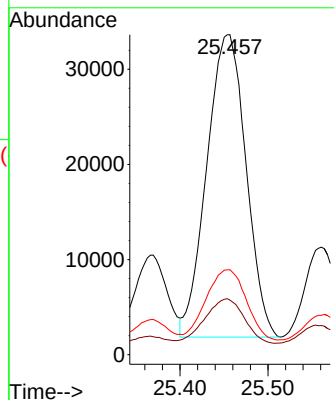
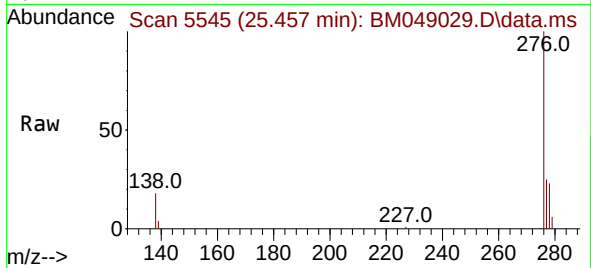




#28
Dibenzo(a,h)anthracene
Concen: 1.113 ng/ul
RT: 25.457 min Scan# 51
Delta R.T. -0.017 min
Lab File: BM049029.D
Acq: 17 Dec 2024 20:01

Instrument :
BNA_M
ClientSampleId :
E28W0

Tgt Ion:278 Resp: 98517
Ion Ratio Lower Upper
278 100
139 17.0 17.4 26.0#
279 26.6 21.1 31.7



#29
Benzo(g,h,i)perylene
Concen: 5.586 ng/ul
RT: 26.094 min Scan# 5735
Delta R.T. -0.004 min
Lab File: BM049029.D
Acq: 17 Dec 2024 20:01

Tgt Ion:276 Resp: 511307
Ion Ratio Lower Upper
276 100
138 19.8 19.8 29.6
277 23.8 19.6 29.4

