

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
 Data File : BM049030.D
 Acq On : 17 Dec 2024 20:37
 Operator : RC/JU
 Sample : P5155-16
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28W1

Quant Time: Dec 18 01:51:41 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)

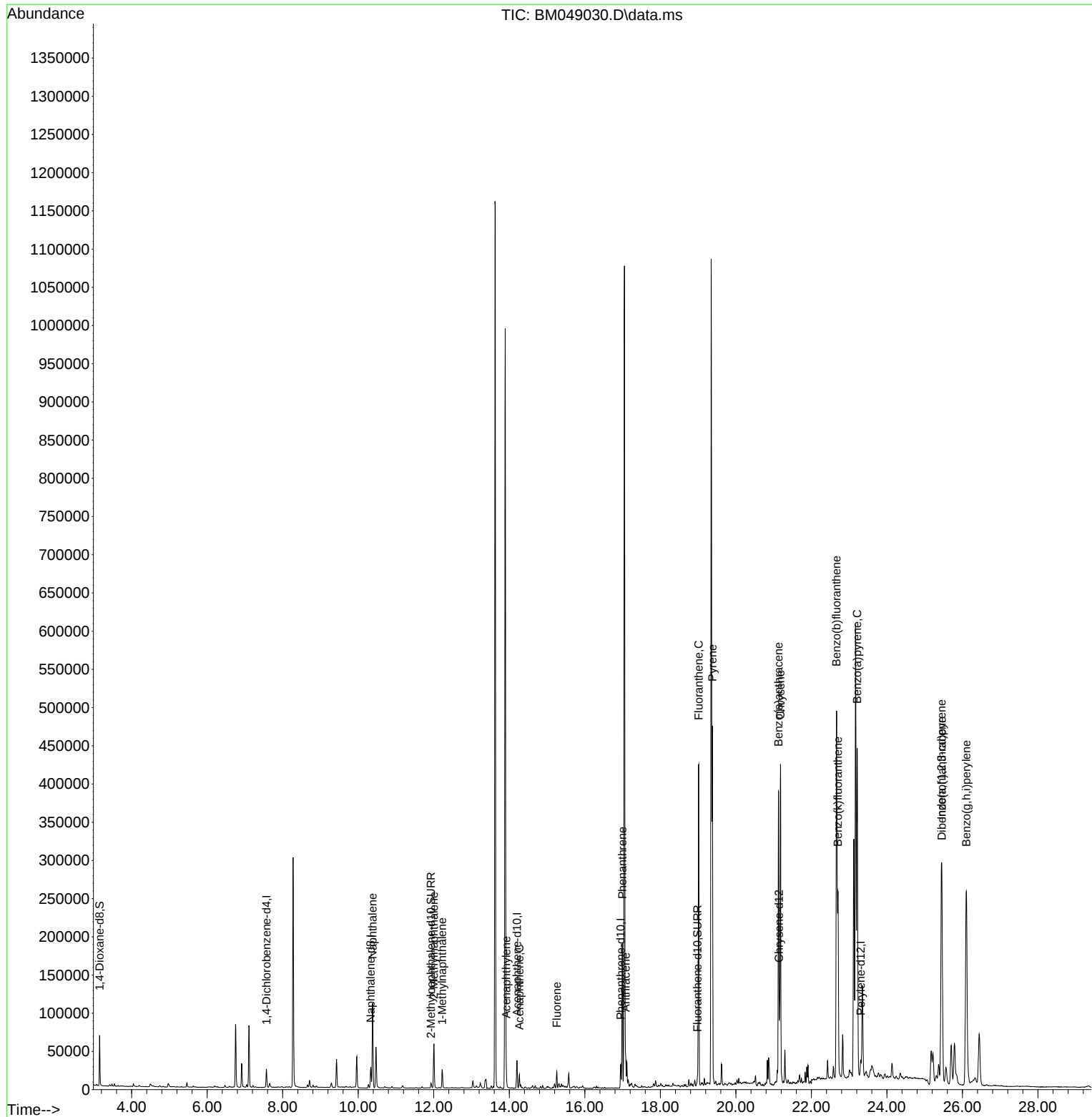
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.569	152	11087	0.400	ng/ul	0.00
4) Naphthalene-d8	10.332	136	35283	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.201	164	19033	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.951	188	36654m	0.400	ng/ul	0.00
17) Chrysene-d12	21.146	240	22688m	0.400	ng/ul	0.00
23) Perylene-d12	23.305	264	23992m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	35773	2.761	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.926	152	8867	0.197	ng/ul	0.00
18) Fluoranthene-d10	18.983	212	12812m	0.189	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.381	128	147071	1.626	ng/ul	98
7) 2-Methylnaphthalene	12.003	142	42337	0.767	ng/ul	100
8) 1-Methylnaphthalene	12.223	142	16481	0.293	ng/ul	100
10) Acenaphthylene	13.919	152	15227	0.189	ng/ul	97
11) Acenaphthene	14.266	153	10840	0.178	ng/ul	98
12) Fluorene	15.256	166	12005	0.178	ng/ul#	94
15) Phenanthrene	16.993	178	192984m	1.921	ng/ul	
16) Anthracene	17.082	178	33845m	0.378	ng/ul	
19) Fluoranthene	19.016	202	362309m	3.851	ng/ul	
20) Pyrene	19.378	202	380868m	3.756	ng/ul	
21) Benzo(a)anthracene	21.128	228	306664m	3.841	ng/ul	
22) Chrysene	21.181	228	375045m	4.152	ng/ul	
24) Benzo(b)fluoranthene	22.665	252	749710m	9.042	ng/ul	
25) Benzo(k)fluoranthene	22.703	252	232117m	2.420	ng/ul	
26) Benzo(a)pyrene	23.212	252	549070m	7.161	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.443	276	467037m	4.336	ng/ul	
28) Dibenzo(a,h)anthracene	25.457	278	104020m	1.241	ng/ul	
29) Benzo(g,h,i)perylene	26.101	276	524345m	6.052	ng/ul	

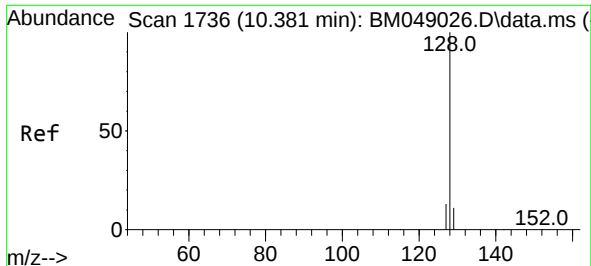
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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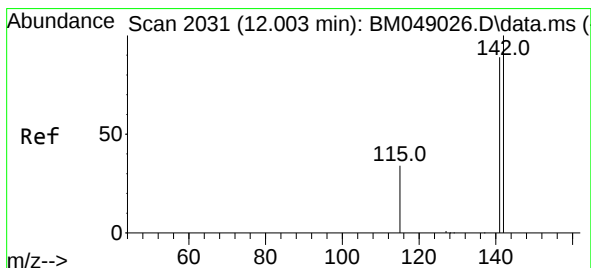
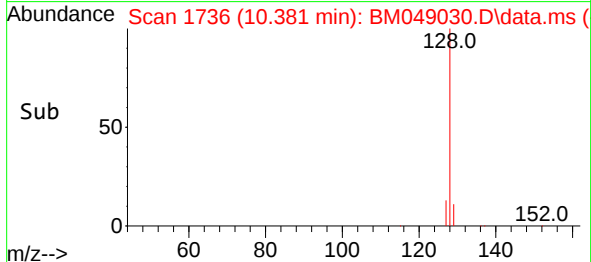
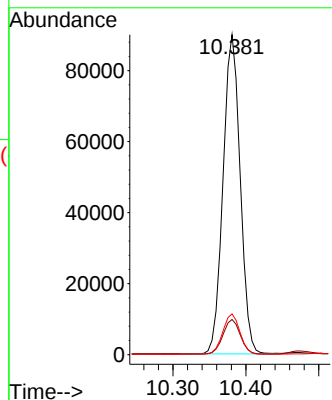
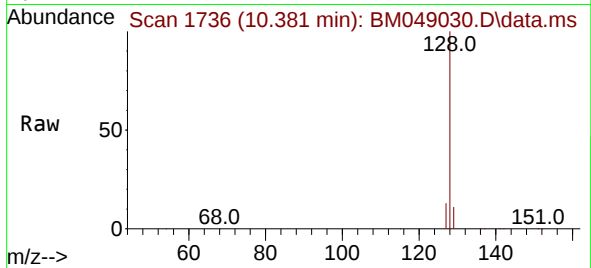




#5
Naphthalene
Concen: 1.626 ng/ul
RT: 10.381 min Scan# 1736
Delta R.T. -0.004 min
Lab File: BM049030.D
Acq: 17 Dec 2024 20:37

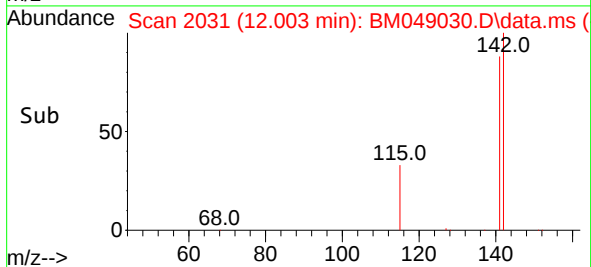
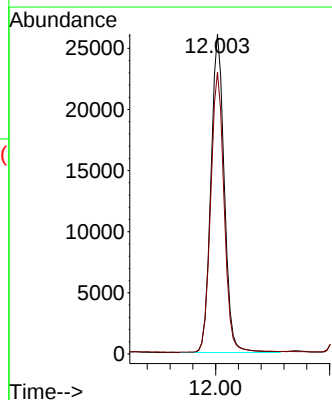
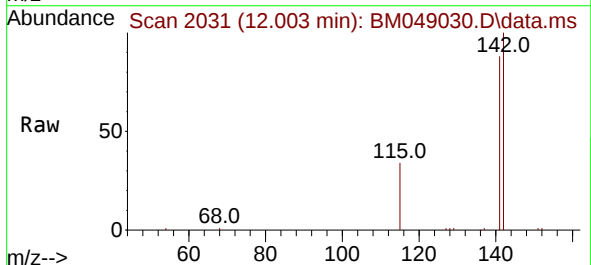
Instrument :
BNA_M
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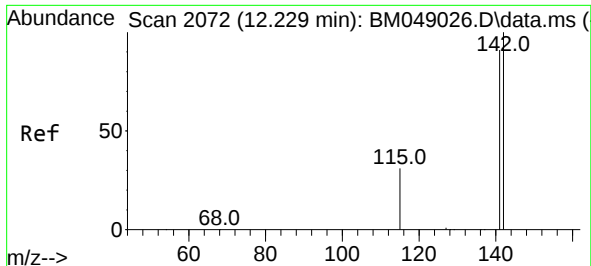
Tgt Ion:128 Resp: 147071
Ion Ratio Lower Upper
128 100
129 11.0 9.4 14.2
127 12.7 10.6 16.0



#7
2-Methylnaphthalene
Concen: 0.767 ng/ul
RT: 12.003 min Scan# 2031
Delta R.T. -0.004 min
Lab File: BM049030.D
Acq: 17 Dec 2024 20:37

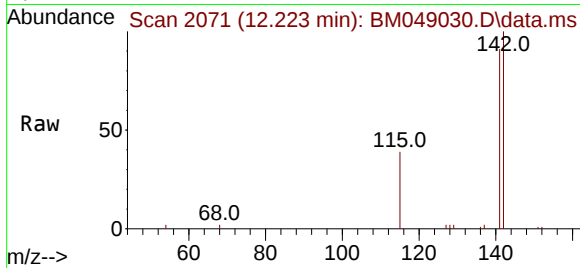
Tgt Ion:142 Resp: 42337
Ion Ratio Lower Upper
142 100
141 88.7 71.2 106.8



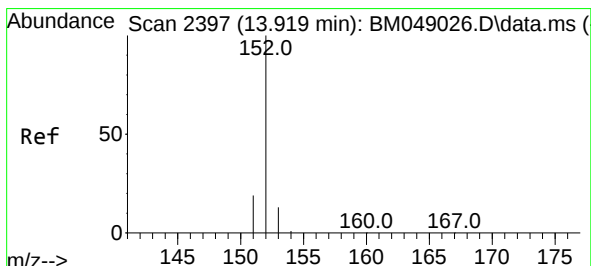
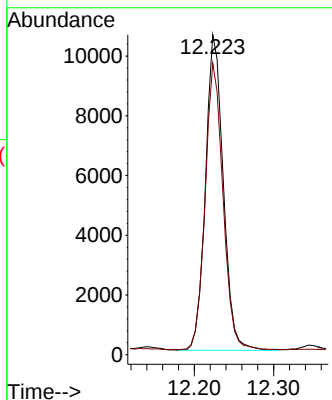
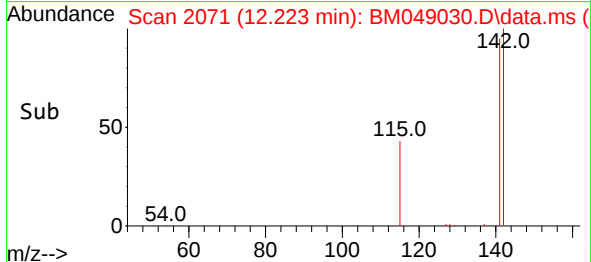


#8
1-Methylnaphthalene
Concen: 0.293 ng/ul
RT: 12.223 min Scan# 2071
Delta R.T. -0.004 min
Lab File: BM049030.D
Acq: 17 Dec 2024 20:37

Instrument :
BNA_M
ClientSampleId :
E28W1

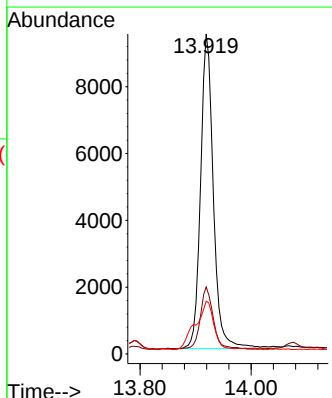
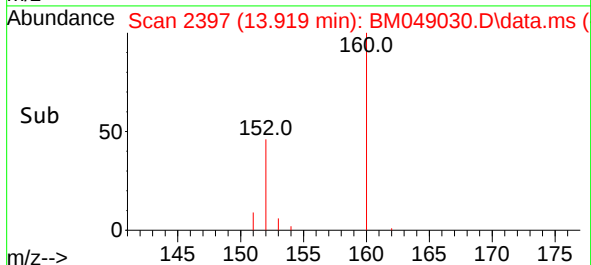
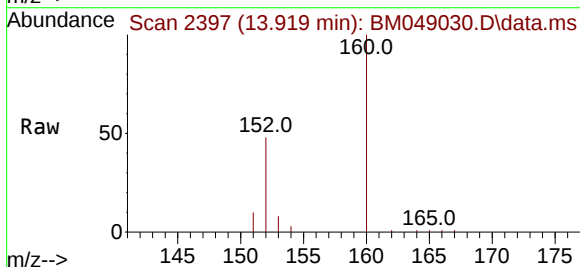


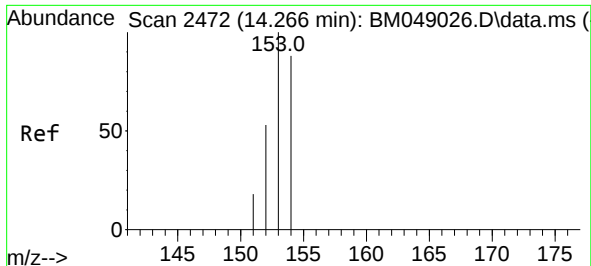
Tgt Ion:142 Resp: 16481
Ion Ratio Lower Upper
142 100
141 91.0 72.8 109.2



#10
Acenaphthylene
Concen: 0.189 ng/ul
RT: 13.919 min Scan# 2397
Delta R.T. -0.003 min
Lab File: BM049030.D
Acq: 17 Dec 2024 20:37

Tgt Ion:152 Resp: 15227
Ion Ratio Lower Upper
152 100
151 20.9 16.3 24.5
153 16.5 11.2 16.8

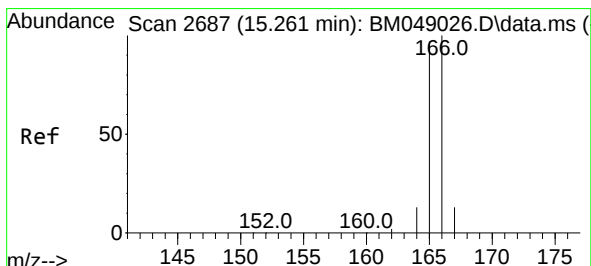
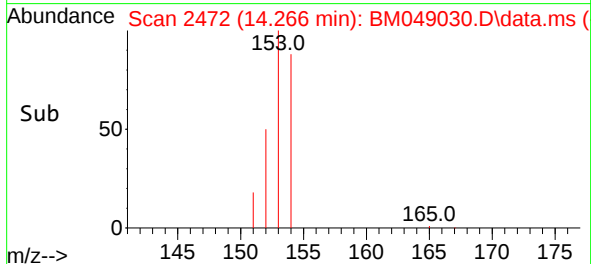
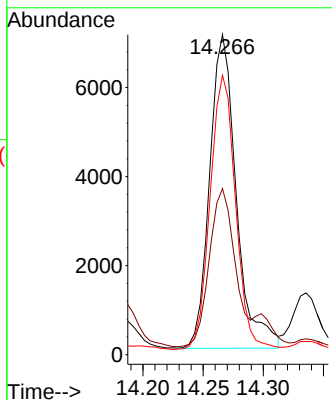
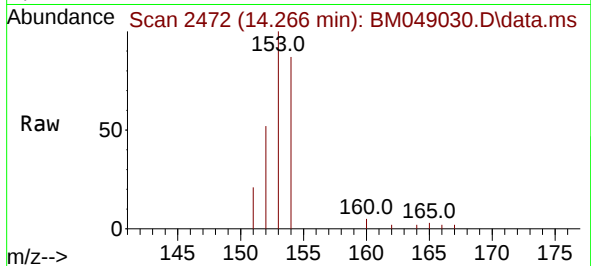




#11
Acenaphthene
Concen: 0.178 ng/ul
RT: 14.266 min Scan# 2472
Delta R.T. -0.003 min
Lab File: BM049030.D
Acq: 17 Dec 2024 20:37

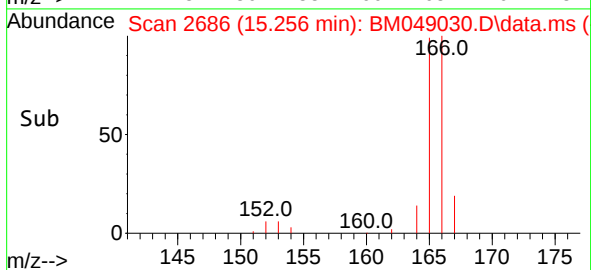
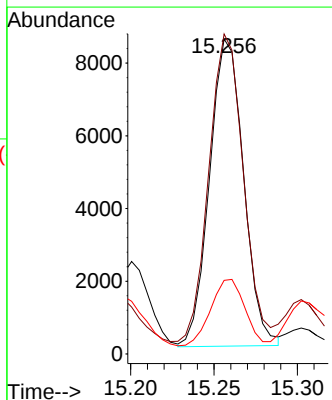
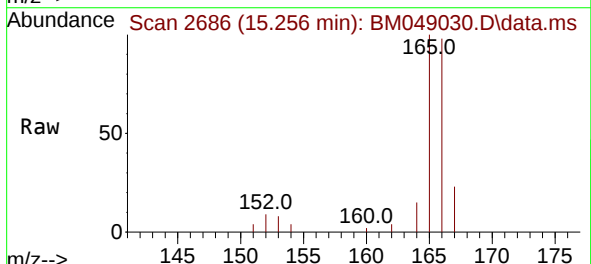
Instrument :
BNA_M
ClientSampleId :
E28W1

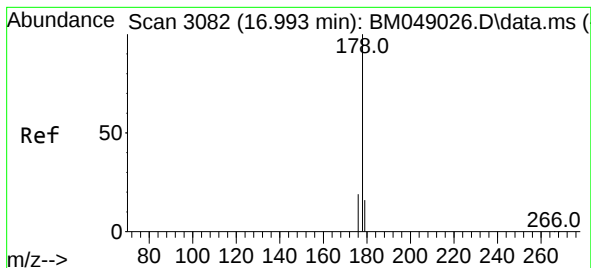
Tgt Ion:153 Resp: 10840
Ion Ratio Lower Upper
153 100
152 51.9 43.5 65.3
154 87.4 69.5 104.3



#12
Fluorene
Concen: 0.178 ng/ul
RT: 15.256 min Scan# 2686
Delta R.T. -0.008 min
Lab File: BM049030.D
Acq: 17 Dec 2024 20:37

Tgt Ion:166 Resp: 12005
Ion Ratio Lower Upper
166 100
165 101.6 78.1 117.1
167 23.4 11.6 17.4#





#15

Phenanthrene

Concen: 1.921 ng/ul m

RT: 16.993 min Scan# 3082

Delta R.T. -0.003 min

Lab File: BM049030.D

Acq: 17 Dec 2024 20:37

Instrument :

BNA_M

ClientSampleId :

E28W1

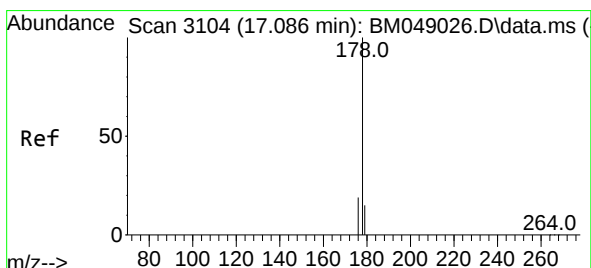
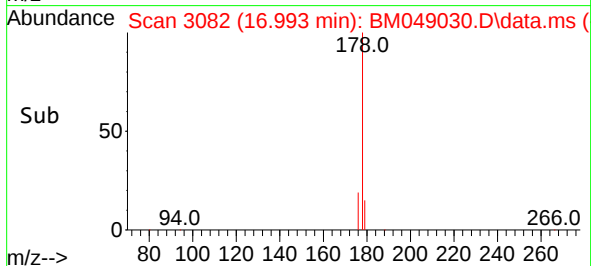
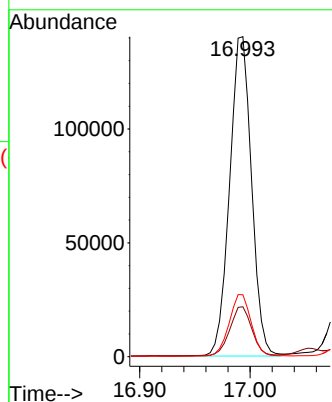
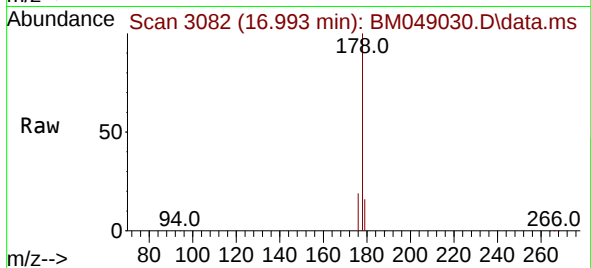
Tgt Ion:178 Resp: 192984

Ion Ratio Lower Upper

178 100

179 15.6 13.0 19.6

176 19.3 15.8 23.8



#16

Anthracene

Concen: 0.378 ng/ul m

RT: 17.082 min Scan# 3103

Delta R.T. -0.003 min

Lab File: BM049030.D

Acq: 17 Dec 2024 20:37

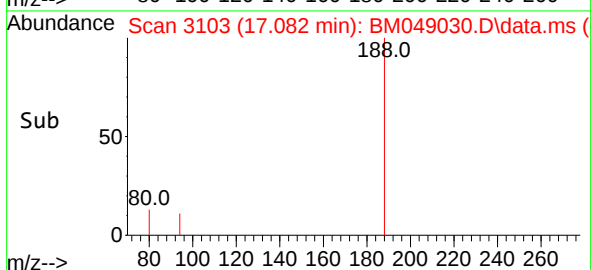
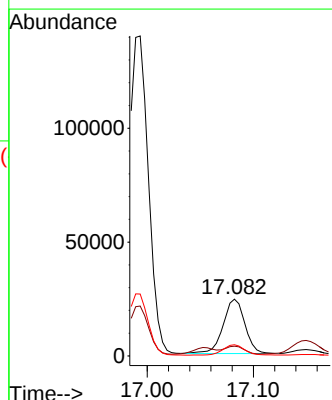
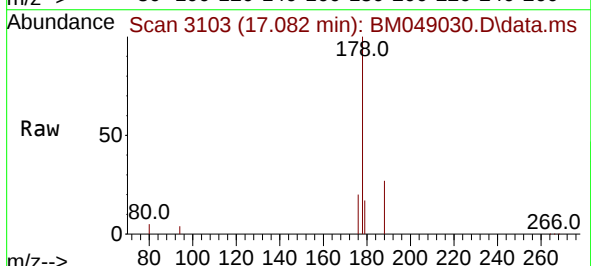
Tgt Ion:178 Resp: 33845

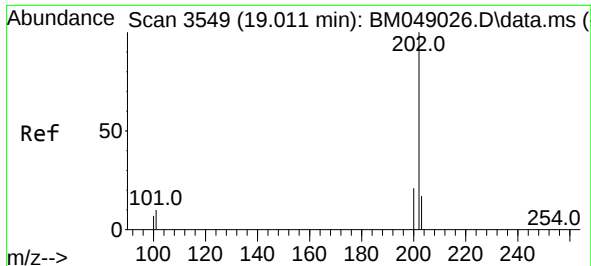
Ion Ratio Lower Upper

178 100

179 17.3 13.0 19.4

176 19.7 15.0 22.6

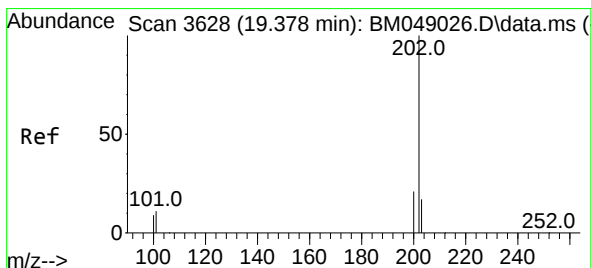
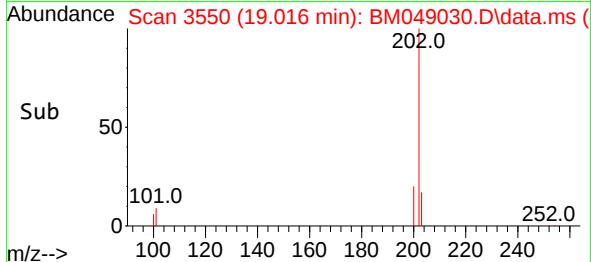
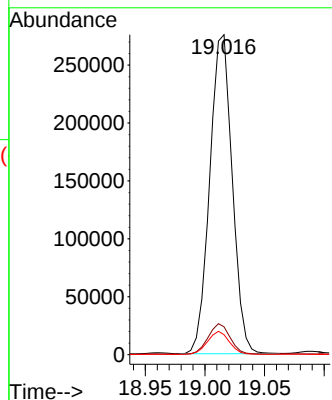
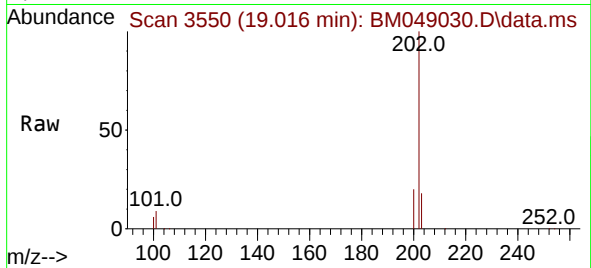




#19
Fluoranthene
Concen: 3.851 ng/ul m
RT: 19.016 min Scan# 3549
Delta R.T. 0.001 min
Lab File: BM049030.D
Acq: 17 Dec 2024 20:37

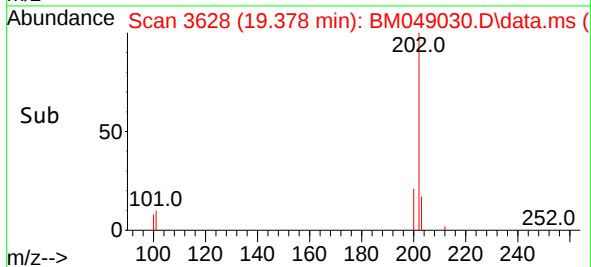
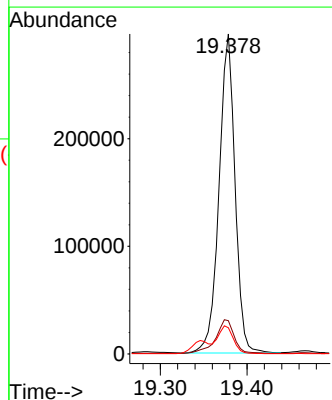
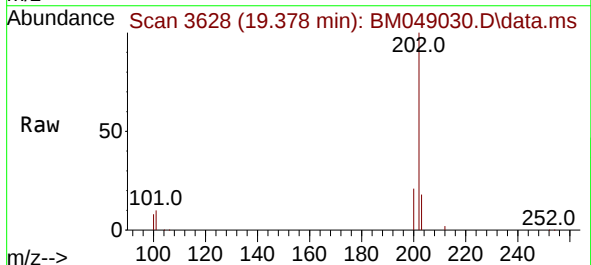
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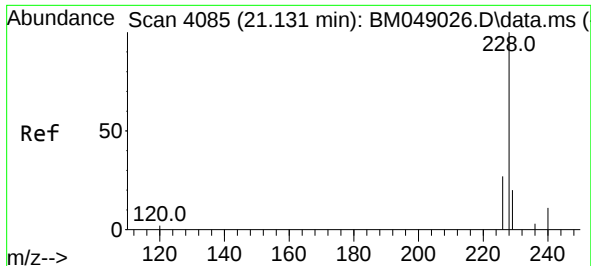
Tgt Ion:202 Resp: 362309
Ion Ratio Lower Upper
202 100
101 8.7 9.7 14.5#
100 6.3 7.3 10.9#



#20
Pyrene
Concen: 3.756 ng/ul m
RT: 19.378 min Scan# 3628
Delta R.T. -0.003 min
Lab File: BM049030.D
Acq: 17 Dec 2024 20:37

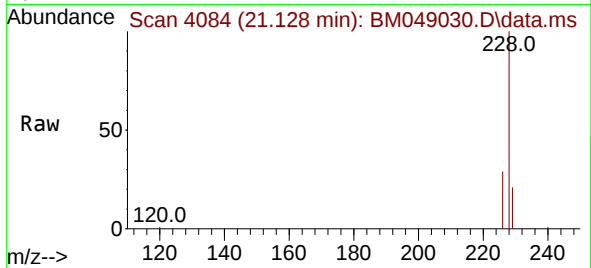
Tgt Ion:202 Resp: 380868
Ion Ratio Lower Upper
202 100
101 10.4 10.6 16.0#
100 8.2 8.4 12.6#



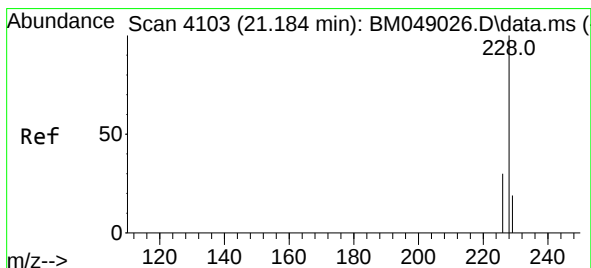
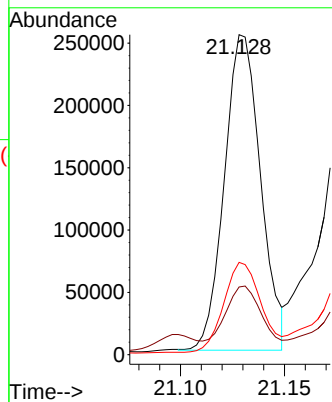
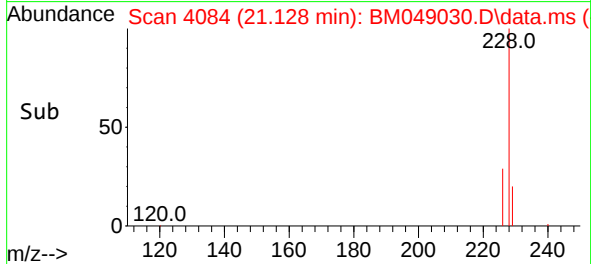


#21
Benzo(a)anthracene
Concen: 3.841 ng/ul m
RT: 21.128 min Scan# 4084
Delta R.T. -0.006 min
Lab File: BM049030.D
Acq: 17 Dec 2024 20:37

Instrument :
BNA_M
ClientSampleId :
E28W1

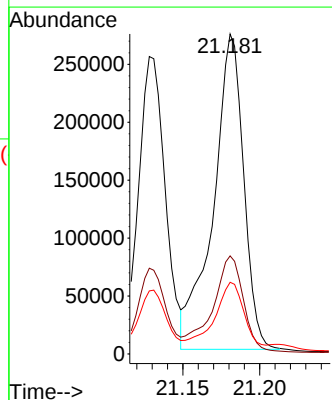
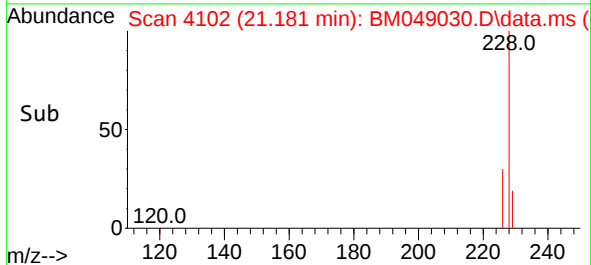
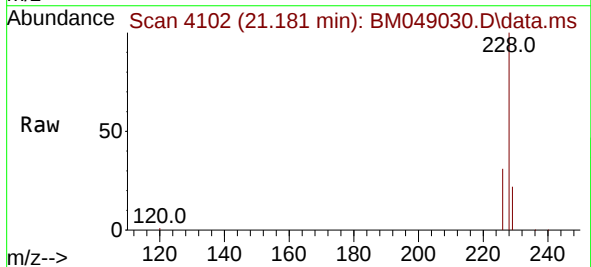


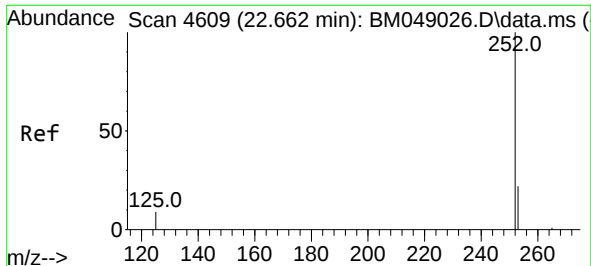
Tgt Ion:228 Resp: 306664
Ion Ratio Lower Upper
228 100
229 21.2 15.7 23.5
226 28.8 23.0 34.4



#22
Chrysene
Concen: 4.152 ng/ul m
RT: 21.181 min Scan# 4102
Delta R.T. -0.006 min
Lab File: BM049030.D
Acq: 17 Dec 2024 20:37

Tgt Ion:228 Resp: 375045
Ion Ratio Lower Upper
228 100
226 30.6 24.8 37.2
229 22.4 16.0 24.0

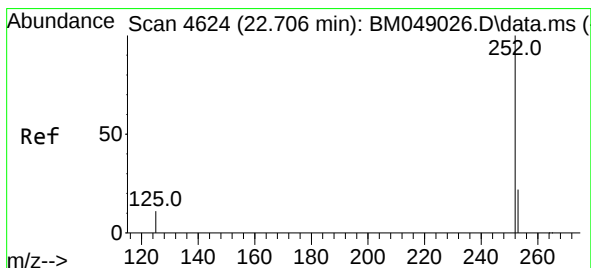
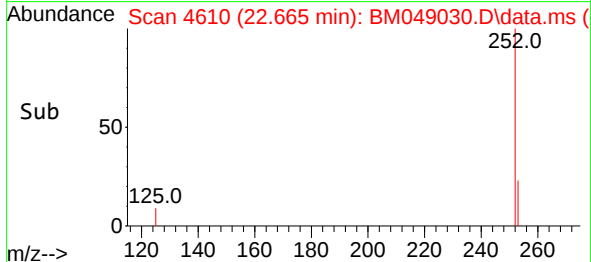
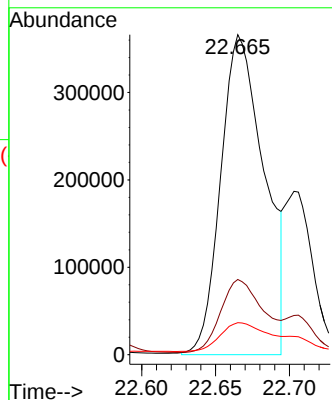
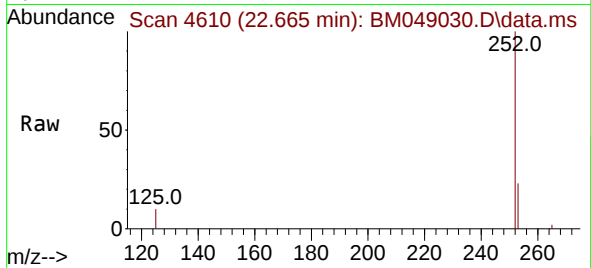




#24
Benzo(b)fluoranthene
Concen: 9.042 ng/ul m
RT: 22.665 min Scan# 4610
Delta R.T. -0.001 min
Lab File: BM049030.D
Acq: 17 Dec 2024 20:37

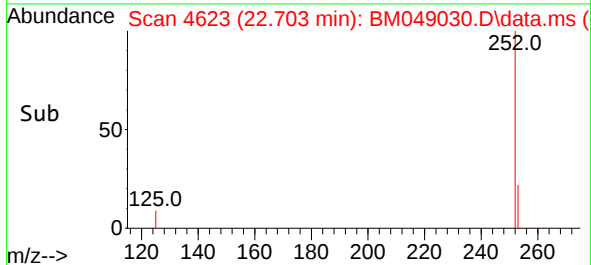
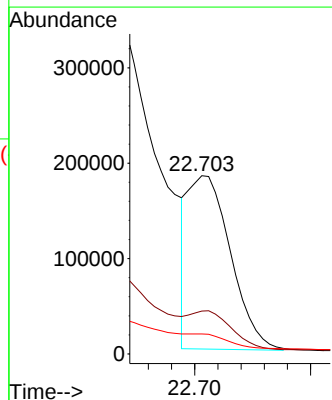
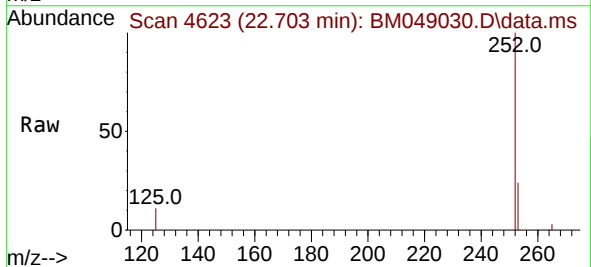
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E28W1

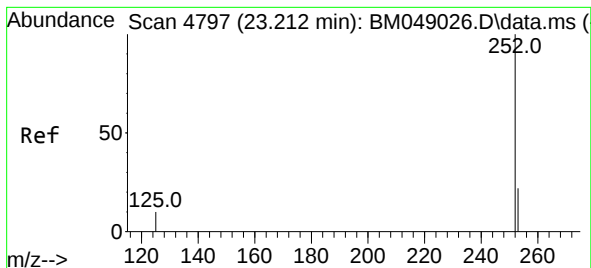
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Ion Ratio Lower Upper
252 100
253 23.5 0.0 51.0
125 10.0 0.0 36.6



#25
Benzo(k)fluoranthene
Concen: 2.420 ng/ul m
RT: 22.703 min Scan# 4623
Delta R.T. -0.006 min
Lab File: BM049030.D
Acq: 17 Dec 2024 20:37

Tgt Ion:252 Resp: 232117
Ion Ratio Lower Upper
252 100
253 24.0 20.5 30.7
125 11.2 17.3 25.9#





#26

Benzo(a)pyrene

Concen: 7.161 ng/ul m

RT: 23.212 min Scan# 4797

Delta R.T. -0.003 min

Lab File: BM049030.D

Acq: 17 Dec 2024 20:37

Instrument :

BNA_M

ClientSampleId :

E28W1

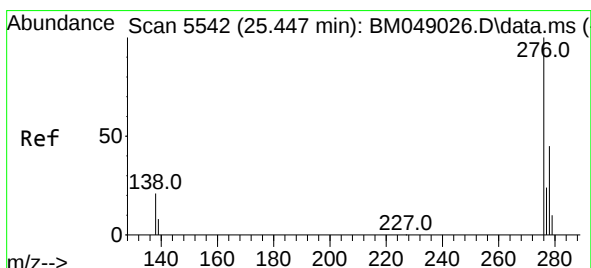
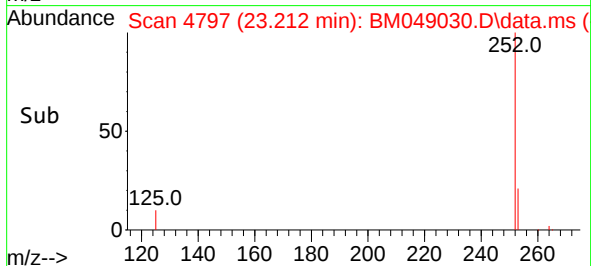
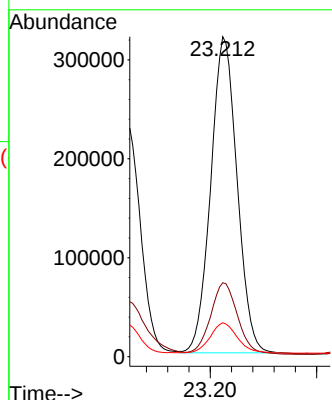
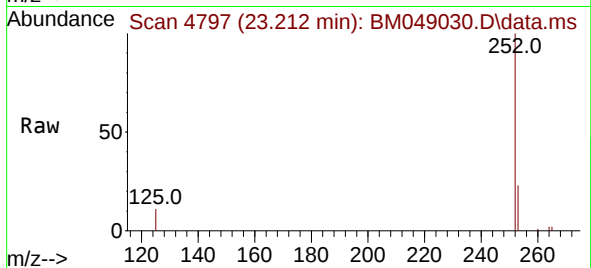
Tgt Ion:252 Resp: 549070

Ion Ratio Lower Upper

252 100

253 23.1 21.8 32.8

125 10.6 18.6 27.8#



#27

Indeno(1,2,3-cd)pyrene

Concen: 4.336 ng/ul m

RT: 25.443 min Scan# 5541

Delta R.T. -0.011 min

Lab File: BM049030.D

Acq: 17 Dec 2024 20:37

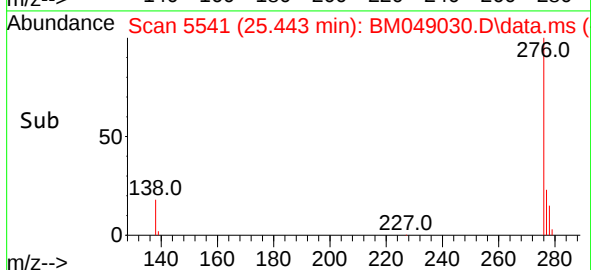
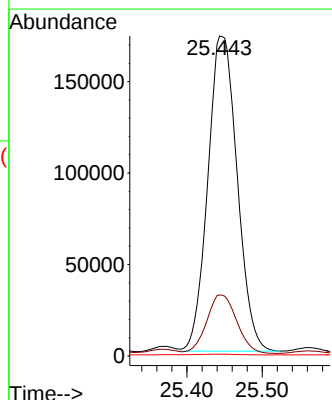
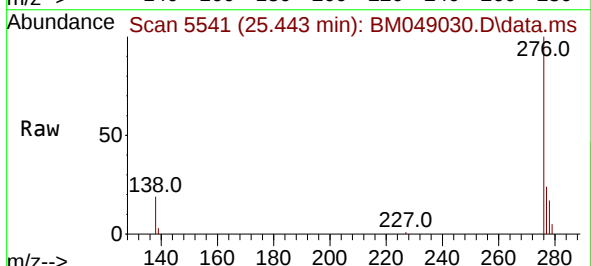
Tgt Ion:276 Resp: 467037

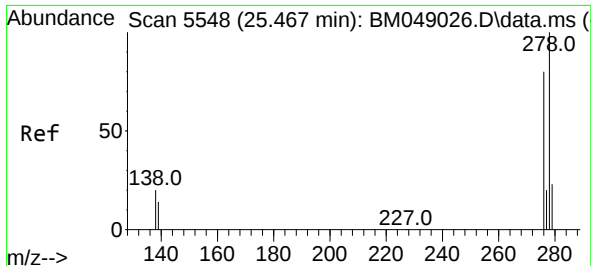
Ion Ratio Lower Upper

276 100

138 1.1 22.1 33.1#

227 0.0 0.2 0.2#

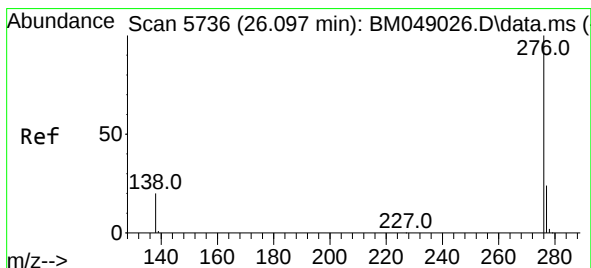
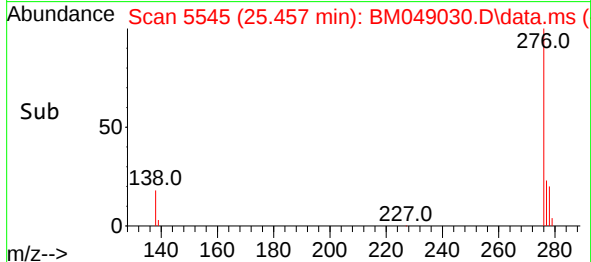
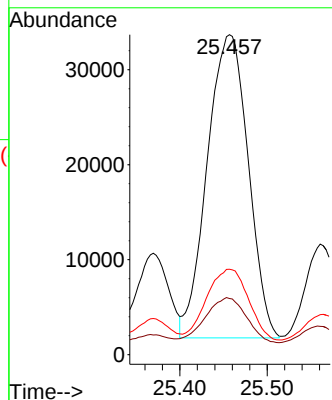
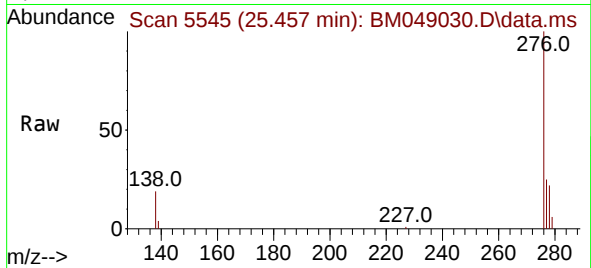




#28
Dibenzo(a,h)anthracene
Concen: 1.241 ng/ul m
RT: 25.457 min Scan# 51
Delta R.T. -0.017 min
Lab File: BM049030.D
Acq: 17 Dec 2024 20:37

Instrument :
BNA_M
ClientSampleId :
E28W1

Tgt Ion:278 Resp: 104020
Ion Ratio Lower Upper
278 100
139 17.6 17.4 26.0
279 26.7 21.1 31.7



#29
Benzo(g,h,i)perylene
Concen: 6.052 ng/ul m
RT: 26.101 min Scan# 5737
Delta R.T. 0.003 min
Lab File: BM049030.D
Acq: 17 Dec 2024 20:37

Tgt Ion:276 Resp: 524345
Ion Ratio Lower Upper
276 100
138 19.6 19.8 29.6#
277 23.9 19.6 29.4

