

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
 Data File : BM049038.D
 Acq On : 18 Dec 2024 01:23
 Operator : RC/JU
 Sample : P5155-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28T4

Quant Time: Dec 18 03:47:56 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)

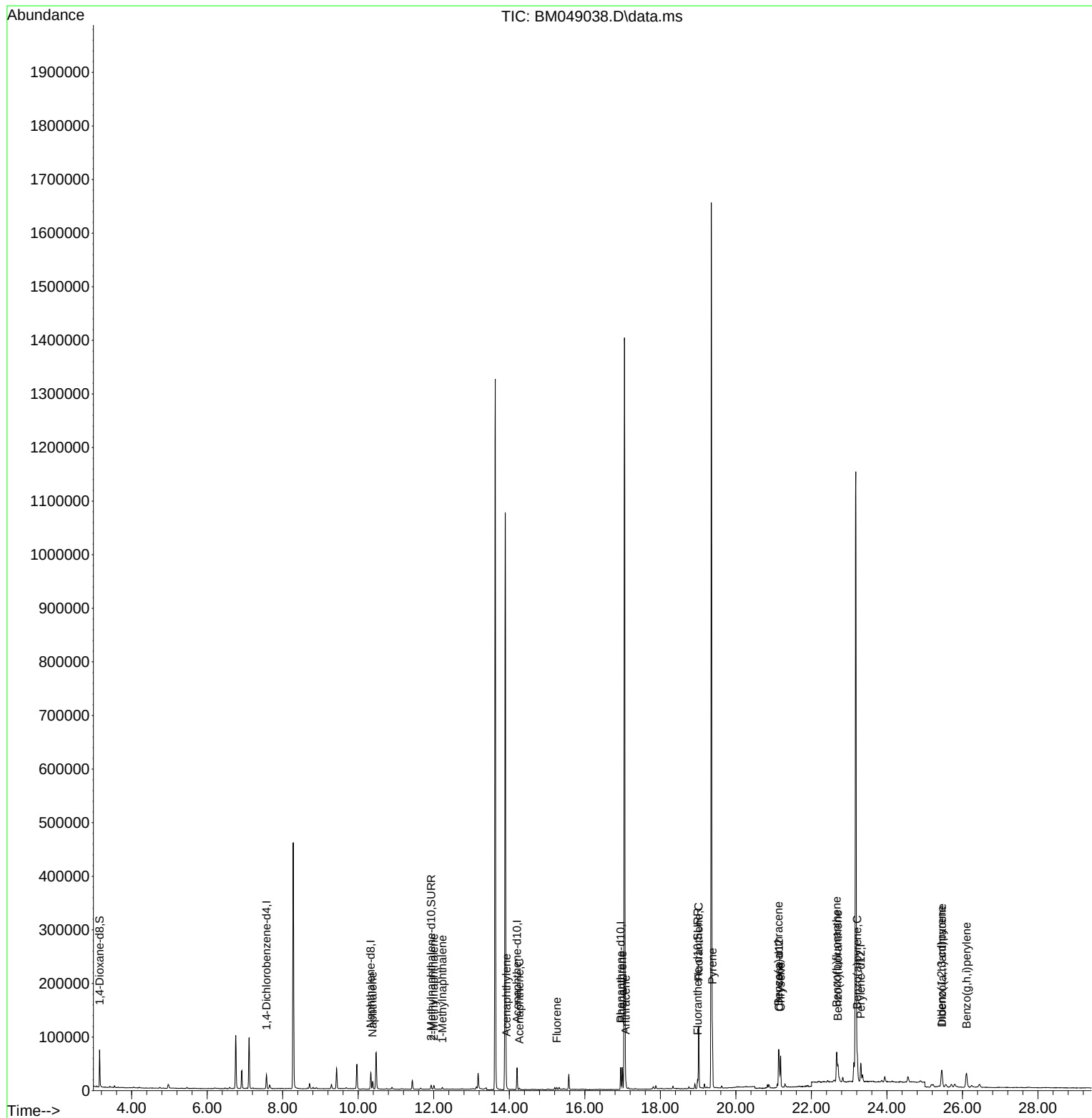
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.569	152	12599	0.400	ng/ul	0.00
4) Naphthalene-d8	10.331	136	38990	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.206	164	22092	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.951	188	47574m	0.400	ng/ul	0.00
17) Chrysene-d12	21.146	240	38151m	0.400	ng/ul	0.00
23) Perylene-d12	23.308	264	39335m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	38118	2.589	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.932	152	9581	0.193	ng/ul	0.00
18) Fluoranthene-d10	18.988	212	18751m	0.165	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.381	128	9440	0.094	ng/ul#	95
7) 2-Methylnaphthalene	12.003	142	5074	0.083	ng/ul	98
8) 1-Methylnaphthalene	12.229	142	2461	0.040	ng/ul	98
10) Acenaphthylene	13.924	152	5410	0.058	ng/ul#	88
11) Acenaphthene	14.266	153	1567	0.022	ng/ul	90
12) Fluorene	15.261	166	2159	0.028	ng/ul#	88
15) Phenanthrene	16.993	178	41546m	0.319	ng/ul	
16) Anthracene	17.082	178	10554m	0.091	ng/ul	
19) Fluoranthene	19.016	202	95741m	0.605	ng/ul	
20) Pyrene	19.378	202	83755m	0.491	ng/ul	
21) Benzo(a)anthracene	21.131	228	51109m	0.381	ng/ul	
22) Chrysene	21.184	228	58785m	0.387	ng/ul	
24) Benzo(b)fluoranthene	22.668	252	88635m	0.652	ng/ul	
25) Benzo(k)fluoranthene	22.703	252	30907m	0.197	ng/ul	
26) Benzo(a)pyrene	23.215	252	56195m	0.447	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.450	276	48239m	0.273	ng/ul	
28) Dibenzo(a,h)anthracene	25.460	278	11596m	0.084	ng/ul	
29) Benzo(g,h,i)perylene	26.107	276	53790m	0.379	ng/ul	

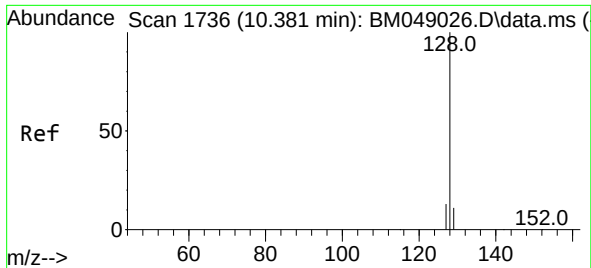
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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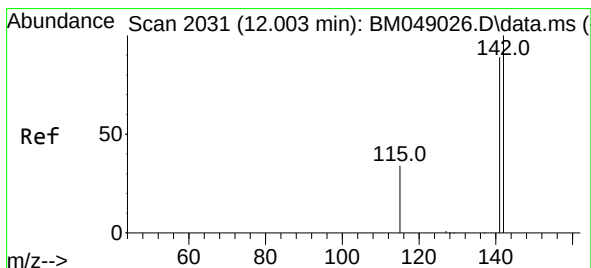
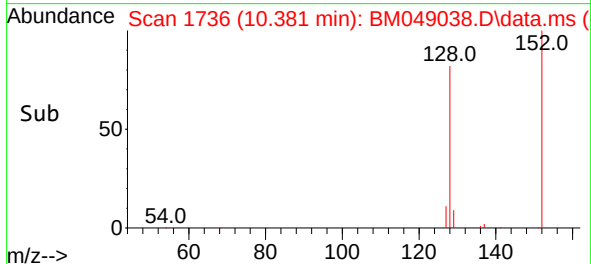
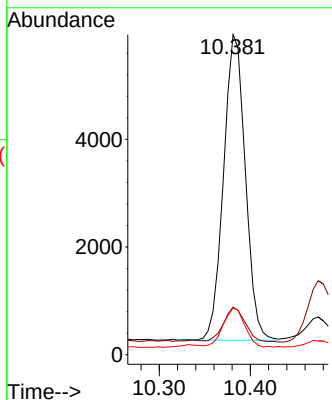
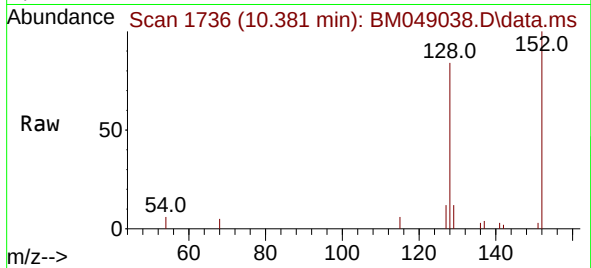




#5
Naphthalene
Concen: 0.094 ng/ul
RT: 10.381 min Scan# 1736
Delta R.T. -0.004 min
Lab File: BM049038.D
Acq: 18 Dec 2024 01:23

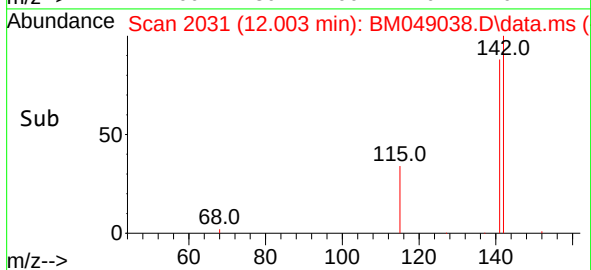
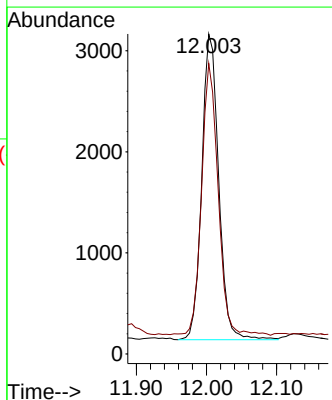
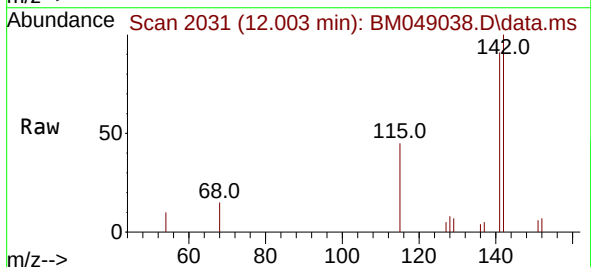
Instrument :
BNA_M
ClientSampleId :
E28T4

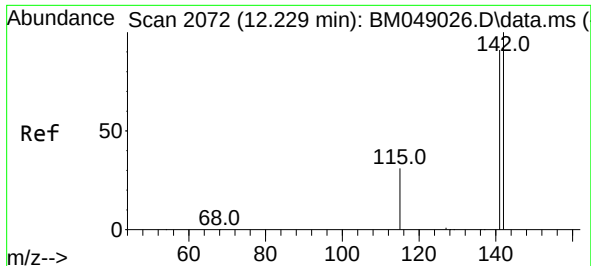
Tgt Ion:128 Resp: 9440
Ion Ratio Lower Upper
128 100
129 14.8 9.4 14.2#
127 14.6 10.6 16.0



#7
2-Methylnaphthalene
Concen: 0.083 ng/ul
RT: 12.003 min Scan# 2031
Delta R.T. -0.004 min
Lab File: BM049038.D
Acq: 18 Dec 2024 01:23

Tgt Ion:142 Resp: 5074
Ion Ratio Lower Upper
142 100
141 87.1 71.2 106.8

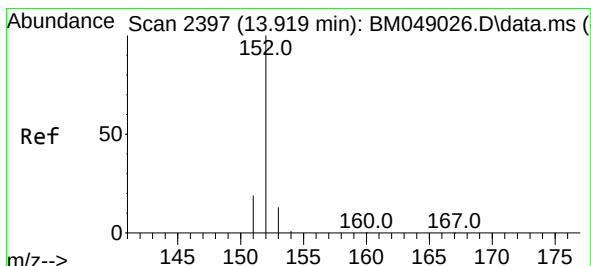
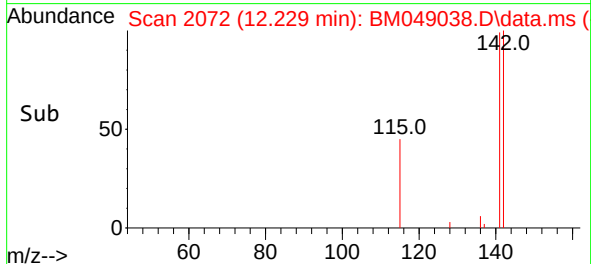
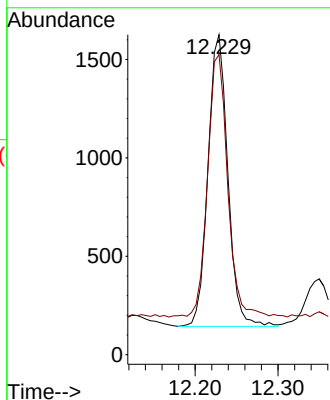
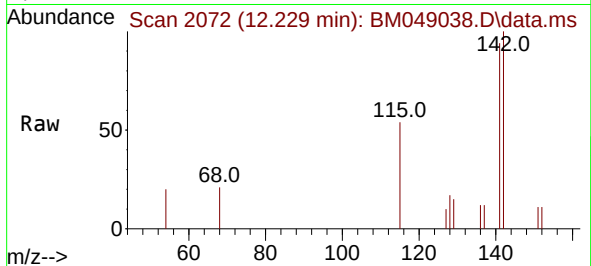




#8
1-Methylnaphthalene
Concen: 0.040 ng/ul
RT: 12.229 min Scan# 2072
Delta R.T. 0.001 min
Lab File: BM049038.D
Acq: 18 Dec 2024 01:23

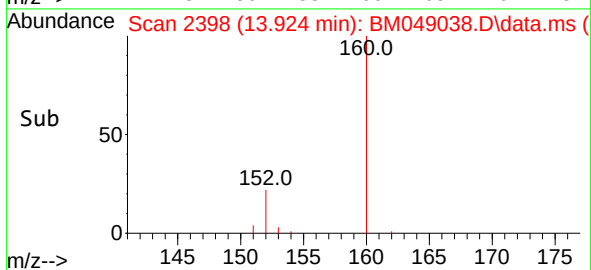
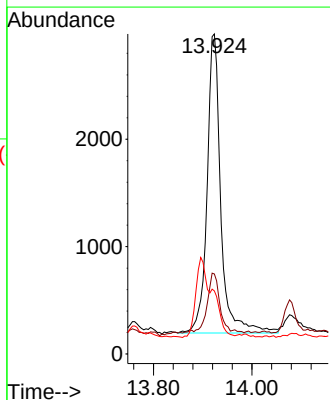
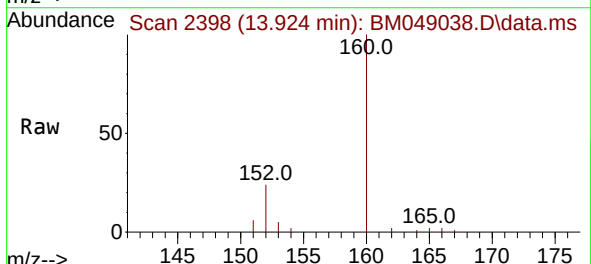
Instrument :
BNA_M
ClientSampleId :
E28T4

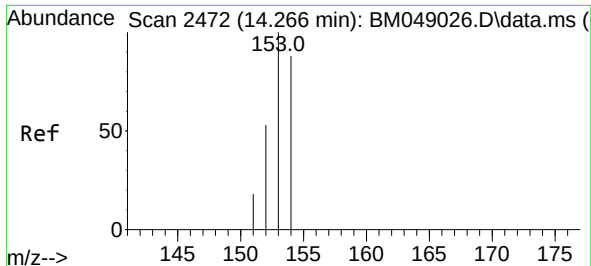
Tgt Ion:142 Resp: 2461
Ion Ratio Lower Upper
142 100
141 92.6 72.8 109.2



#10
Acenaphthylene
Concen: 0.058 ng/ul
RT: 13.924 min Scan# 2398
Delta R.T. 0.001 min
Lab File: BM049038.D
Acq: 18 Dec 2024 01:23

Tgt Ion:152 Resp: 5410
Ion Ratio Lower Upper
152 100
151 25.0 16.3 24.5#
153 19.7 11.2 16.8#

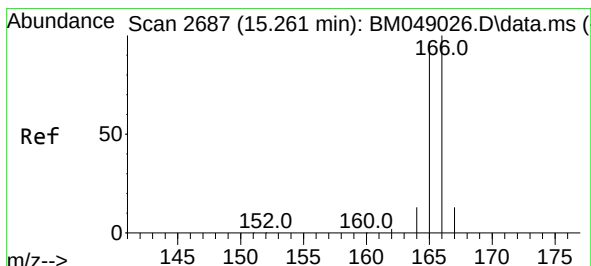
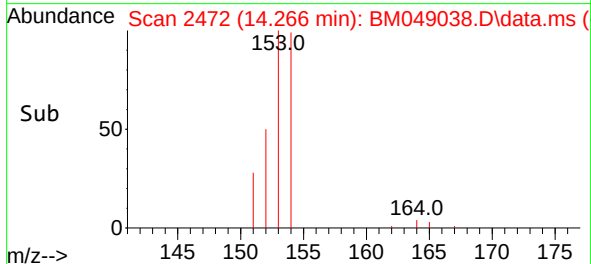
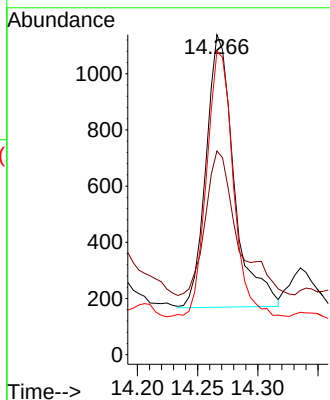
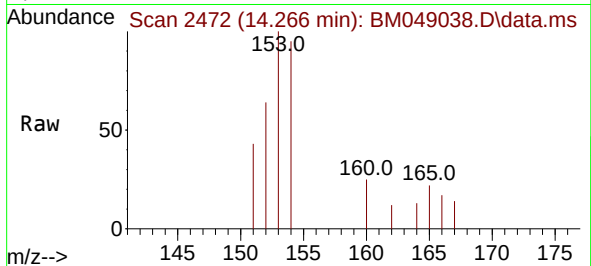




#11
Acenaphthene
Concen: 0.022 ng/ul
RT: 14.266 min Scan# 2472
Delta R.T. -0.004 min
Lab File: BM049038.D
Acq: 18 Dec 2024 01:23

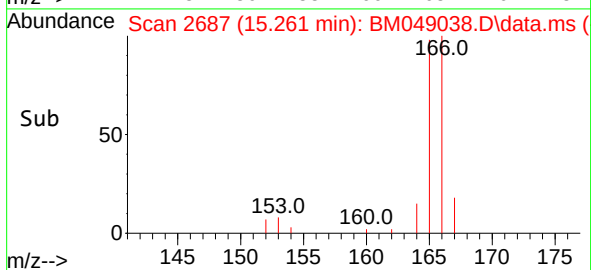
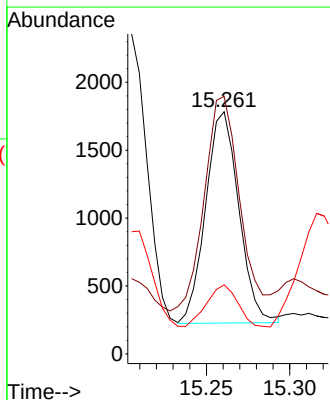
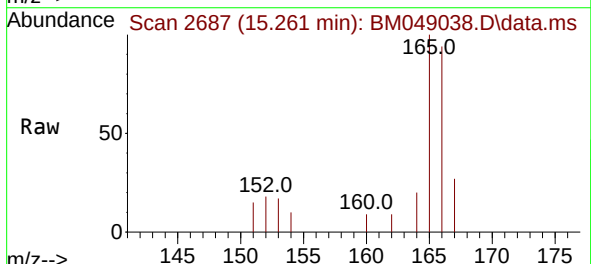
Instrument :
BNA_M
ClientSampleId :
E28T4

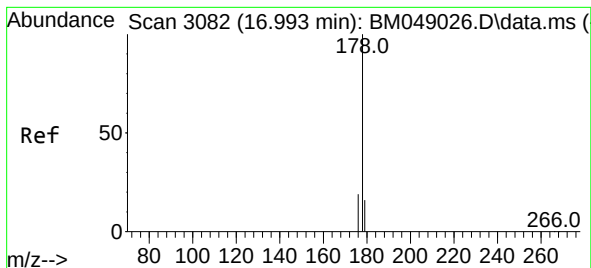
Tgt Ion:153 Resp: 1567
Ion Ratio Lower Upper
153 100
152 63.7 43.5 65.3
154 94.8 69.5 104.3



#12
Fluorene
Concen: 0.028 ng/ul
RT: 15.261 min Scan# 2687
Delta R.T. -0.004 min
Lab File: BM049038.D
Acq: 18 Dec 2024 01:23

Tgt Ion:166 Resp: 2159
Ion Ratio Lower Upper
166 100
165 106.4 78.1 117.1
167 28.5 11.6 17.4#





#15

Phenanthrene

Concen: 0.319 ng/ul m

RT: 16.993 min Scan# 3082

Delta R.T. -0.003 min

Lab File: BM049038.D

Acq: 18 Dec 2024 01:23

Instrument :

BNA_M

ClientSampleId :

E28T4

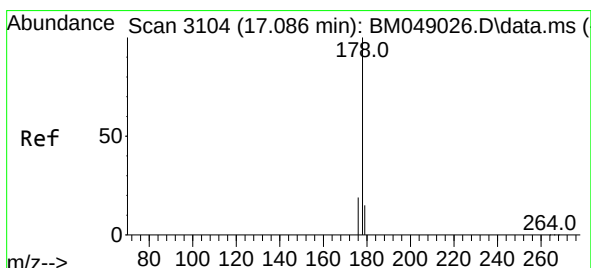
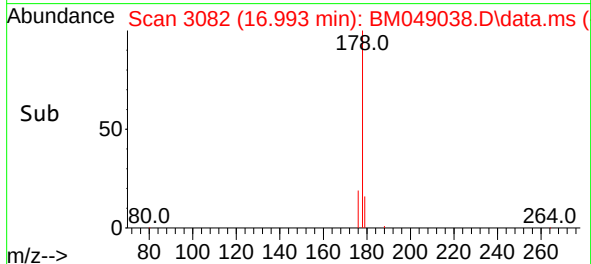
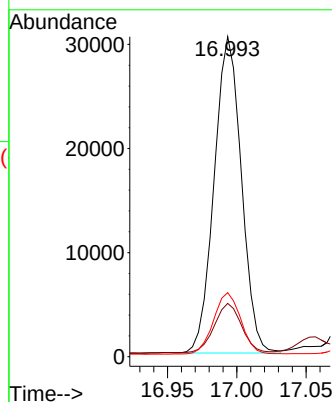
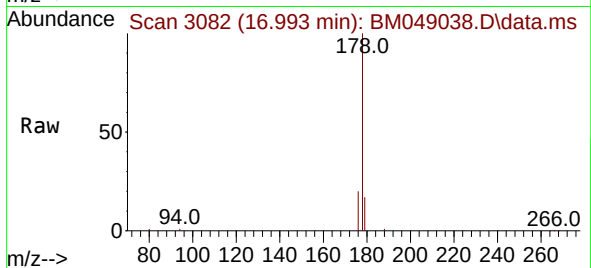
Tgt Ion:178 Resp: 41546

Ion Ratio Lower Upper

178 100

179 16.7 13.0 19.6

176 20.0 15.8 23.8



#16

Anthracene

Concen: 0.091 ng/ul m

RT: 17.082 min Scan# 3103

Delta R.T. -0.003 min

Lab File: BM049038.D

Acq: 18 Dec 2024 01:23

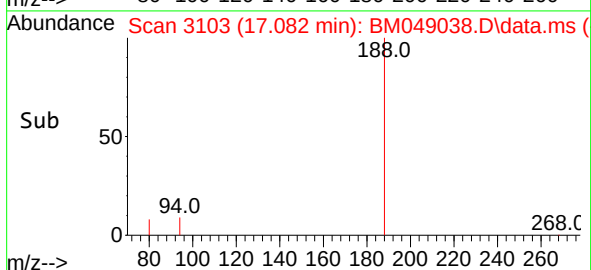
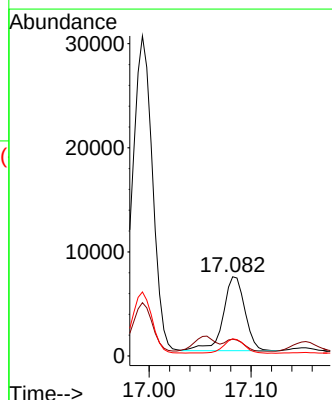
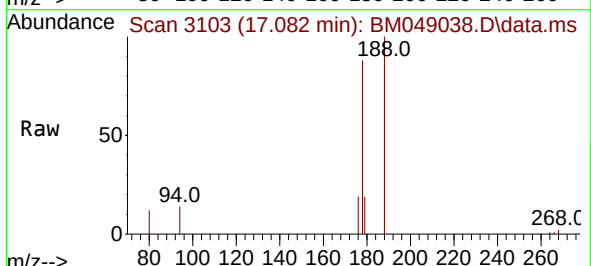
Tgt Ion:178 Resp: 10554

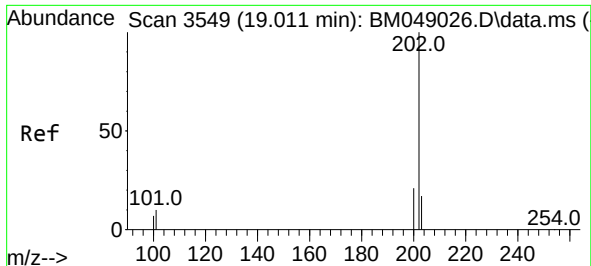
Ion Ratio Lower Upper

178 100

179 21.3 13.0 19.4#

176 21.6 15.0 22.6

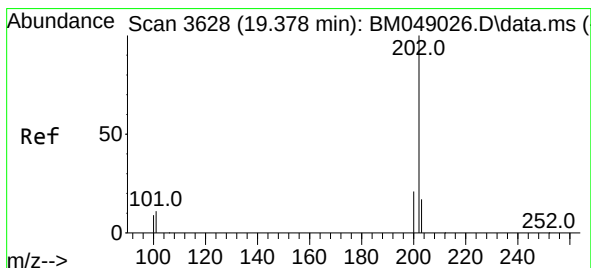
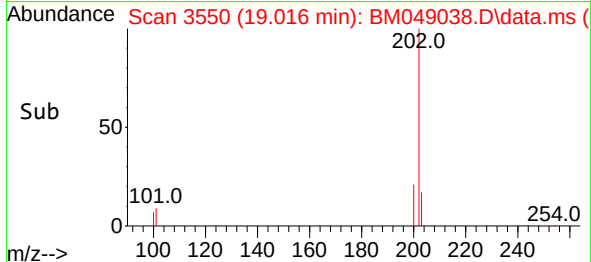
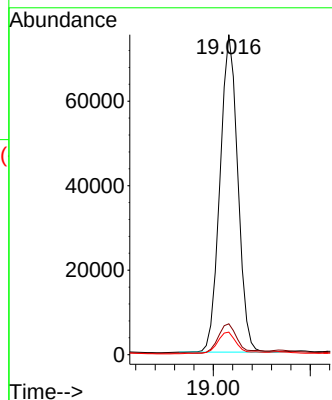
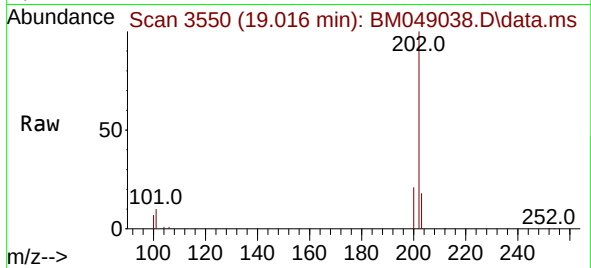




#19
Fluoranthene
Concen: 0.605 ng/ul m
RT: 19.016 min Scan# 3550
Delta R.T. 0.001 min
Lab File: BM049038.D
Acq: 18 Dec 2024 01:23

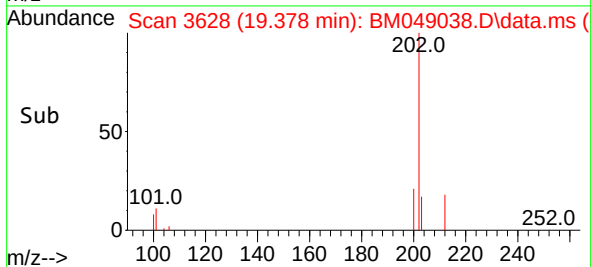
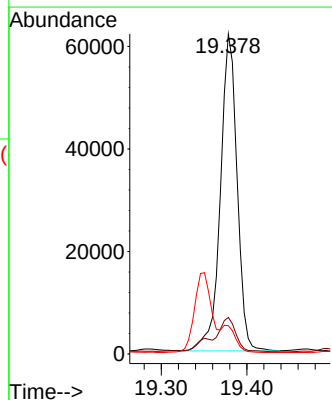
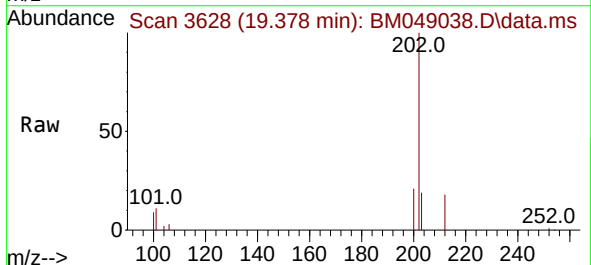
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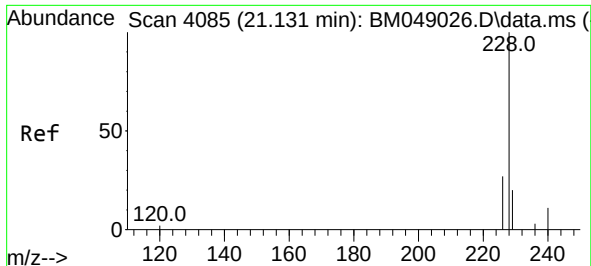
Tgt Ion:202 Resp: 95741
Ion Ratio Lower Upper
202 100
101 9.6 9.7 14.5#
100 7.0 7.3 10.9#



#20
Pyrene
Concen: 0.491 ng/ul m
RT: 19.378 min Scan# 3628
Delta R.T. -0.004 min
Lab File: BM049038.D
Acq: 18 Dec 2024 01:23

Tgt Ion:202 Resp: 83755
Ion Ratio Lower Upper
202 100
101 11.4 10.6 16.0
100 8.9 8.4 12.6

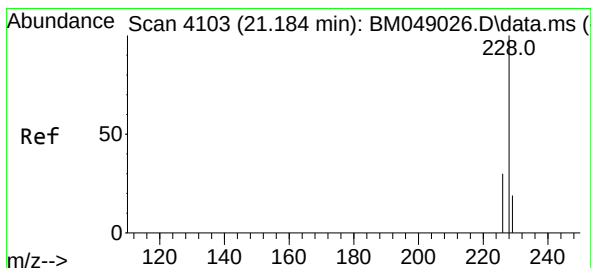
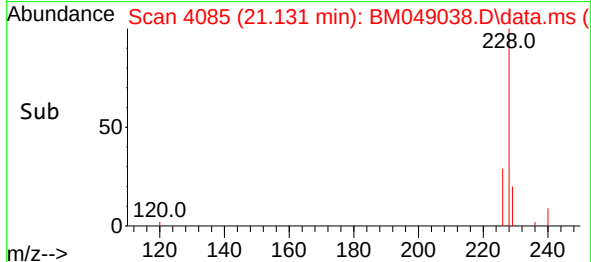
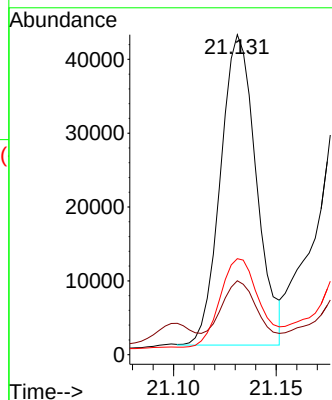
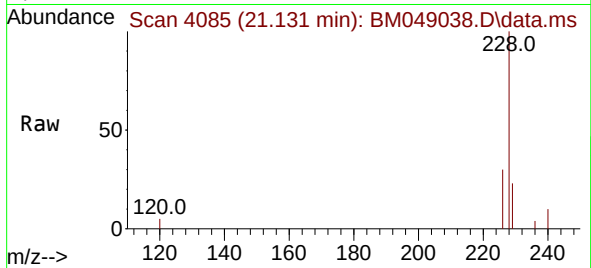




#21
Benzo(a)anthracene
Concen: 0.381 ng/ul m
RT: 21.131 min Scan# 4085
Delta R.T. -0.004 min
Lab File: BM049038.D
Acq: 18 Dec 2024 01:23

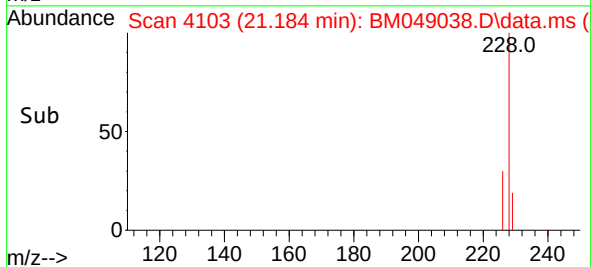
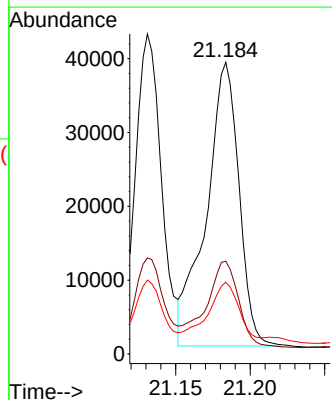
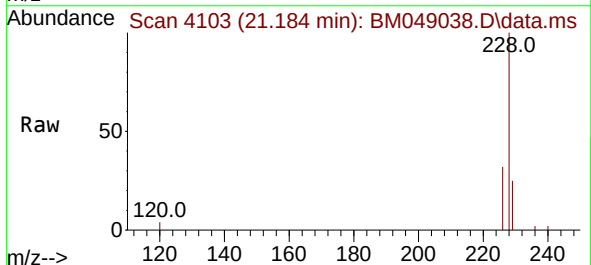
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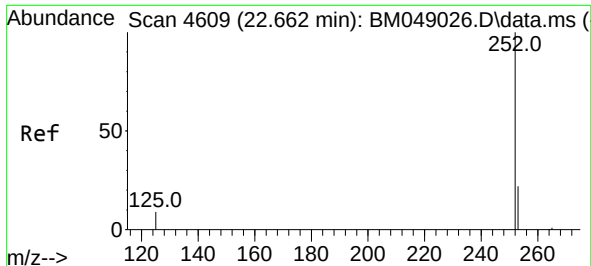
Tgt Ion:228 Resp: 51109
Ion Ratio Lower Upper
228 100
229 23.1 15.7 23.5
226 30.0 23.0 34.4



#22
Chrysene
Concen: 0.387 ng/ul m
RT: 21.184 min Scan# 4103
Delta R.T. -0.004 min
Lab File: BM049038.D
Acq: 18 Dec 2024 01:23

Tgt Ion:228 Resp: 58785
Ion Ratio Lower Upper
228 100
226 31.8 24.8 37.2
229 24.6 16.0 24.0#

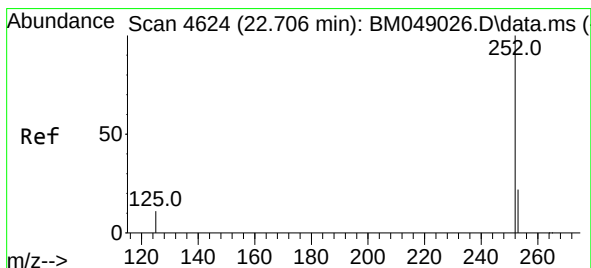
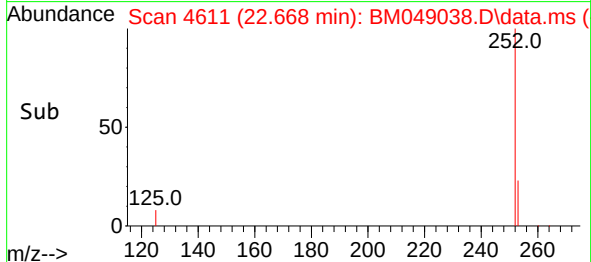
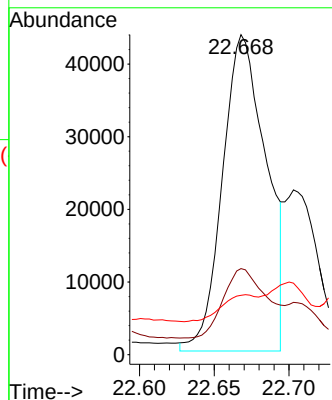
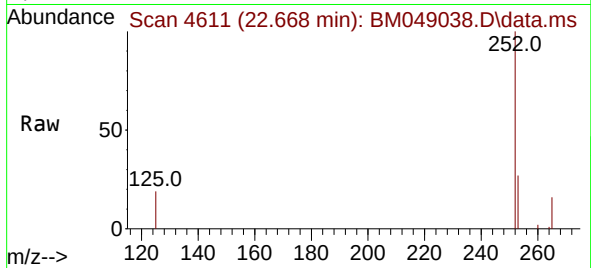




#24
Benzo(b)fluoranthene
Concen: 0.652 ng/ul m
RT: 22.668 min Scan# 4611
Delta R.T. 0.002 min
Lab File: BM049038.D
Acq: 18 Dec 2024 01:23

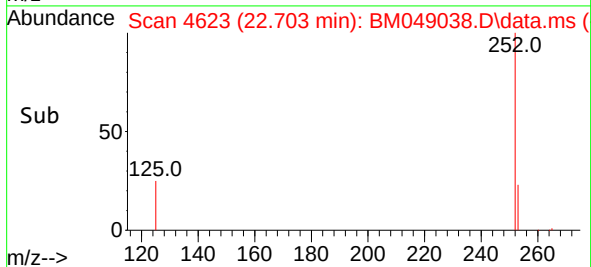
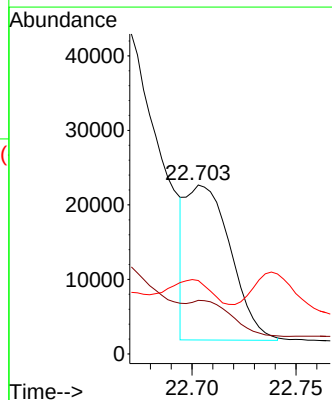
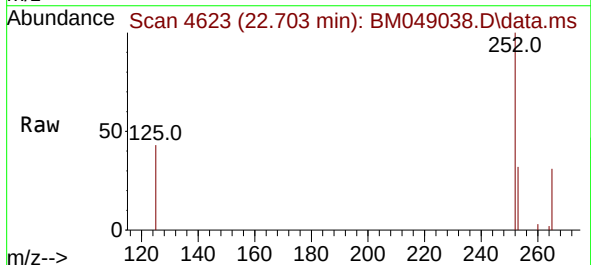
Instrument :
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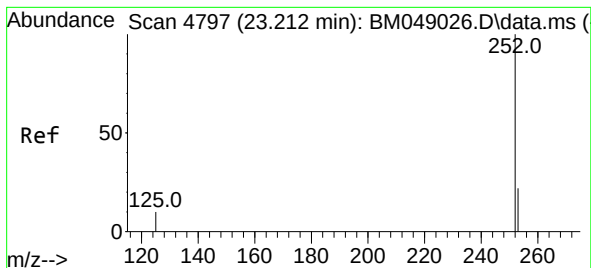
Tgt Ion:252 Resp: 88635
Ion Ratio Lower Upper
252 100
253 26.9 0.0 51.0
125 18.6 0.0 36.6



#25
Benzo(k)fluoranthene
Concen: 0.197 ng/ul m
RT: 22.703 min Scan# 4623
Delta R.T. -0.006 min
Lab File: BM049038.D
Acq: 18 Dec 2024 01:23

Tgt Ion:252 Resp: 30907
Ion Ratio Lower Upper
252 100
253 31.8 20.5 30.7#
125 43.4 17.3 25.9#





#26

Benzo(a)pyrene

Concen: 0.447 ng/ul m

RT: 23.215 min Scan# 4

Delta R.T. -0.001 min

Lab File: BM049038.D

Acq: 18 Dec 2024 01:23

Instrument :

BNA_M

ClientSampleId :

E28T4

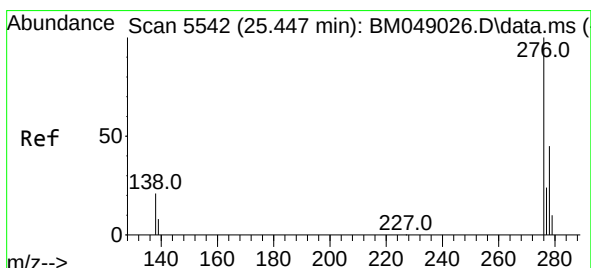
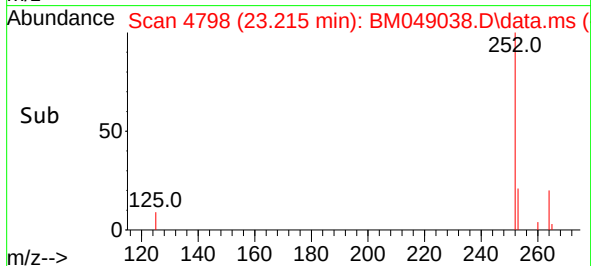
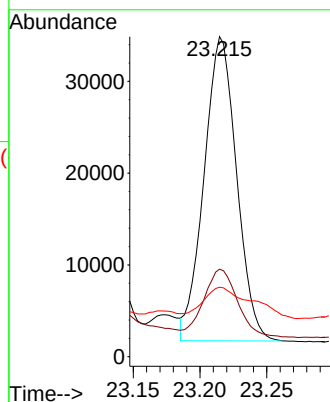
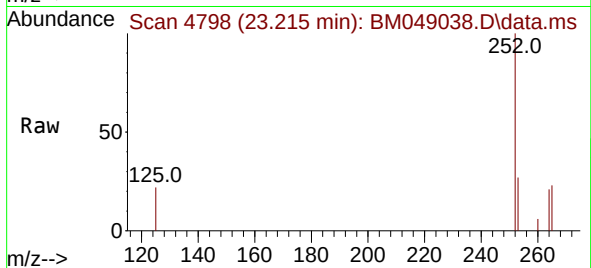
Tgt Ion:252 Resp: 56195

Ion Ratio Lower Upper

252 100

253 27.4 21.8 32.8

125 21.7 18.6 27.8



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.273 ng/ul m

RT: 25.450 min Scan# 5543

Delta R.T. -0.004 min

Lab File: BM049038.D

Acq: 18 Dec 2024 01:23

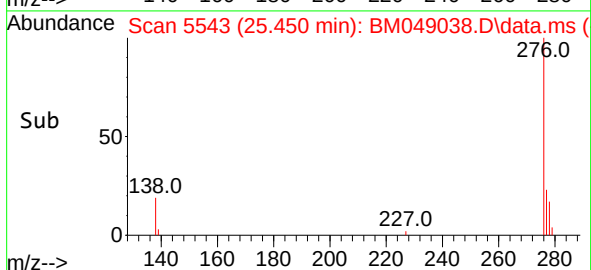
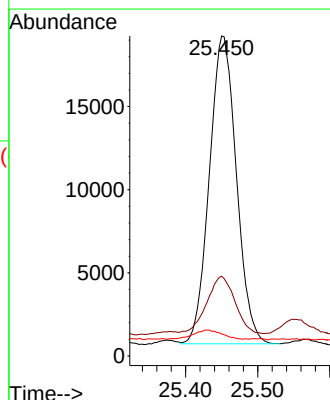
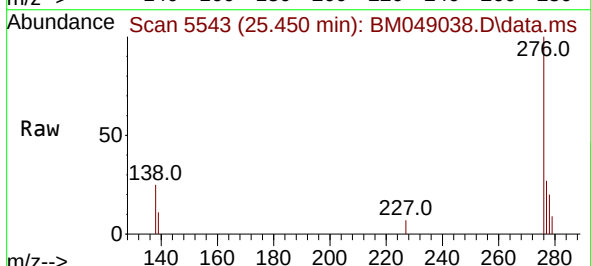
Tgt Ion:276 Resp: 48239

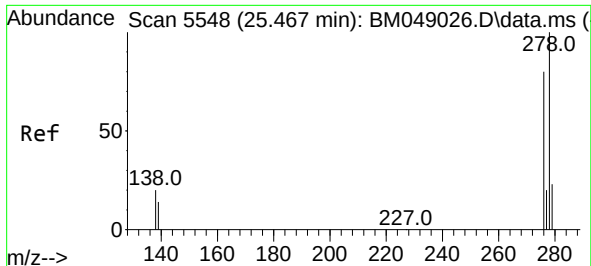
Ion Ratio Lower Upper

276 100

138 1.7 22.1 33.1#

227 0.0 0.2 0.2#

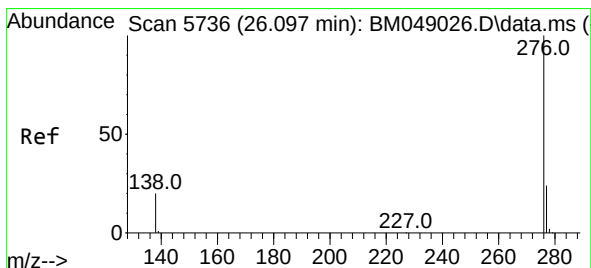
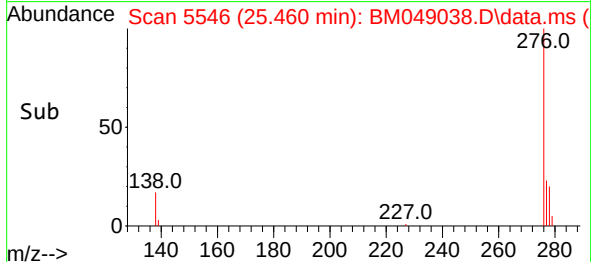
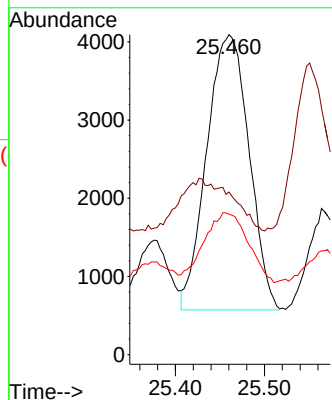
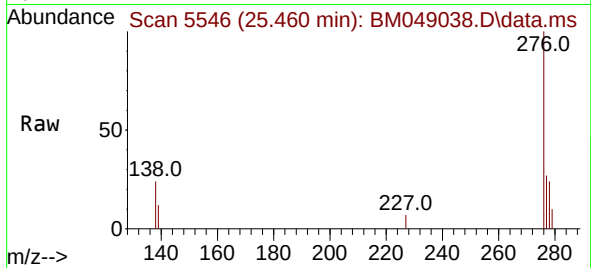




#28
Dibenzo(a,h)anthracene
Concen: 0.084 ng/ul m
RT: 25.460 min Scan# 51
Delta R.T. -0.014 min
Lab File: BM049038.D
Acq: 18 Dec 2024 01:23

Instrument :
BNA_M
ClientSampleId :
E28T4

Tgt Ion:278 Resp: 11596
Ion Ratio Lower Upper
278 100
139 50.9 17.4 26.0#
279 43.9 21.1 31.7#



#29
Benzo(g,h,i)perylene
Concen: 0.379 ng/ul m
RT: 26.107 min Scan# 5739
Delta R.T. 0.009 min
Lab File: BM049038.D
Acq: 18 Dec 2024 01:23

Tgt Ion:276 Resp: 53790
Ion Ratio Lower Upper
276 100
138 24.1 19.8 29.6
277 26.2 19.6 29.4

