

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
 Data File : BM049031.D
 Acq On : 17 Dec 2024 21:13
 Operator : RC/JU
 Sample : P5155-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28W2

Quant Time: Dec 18 02:08:07 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)

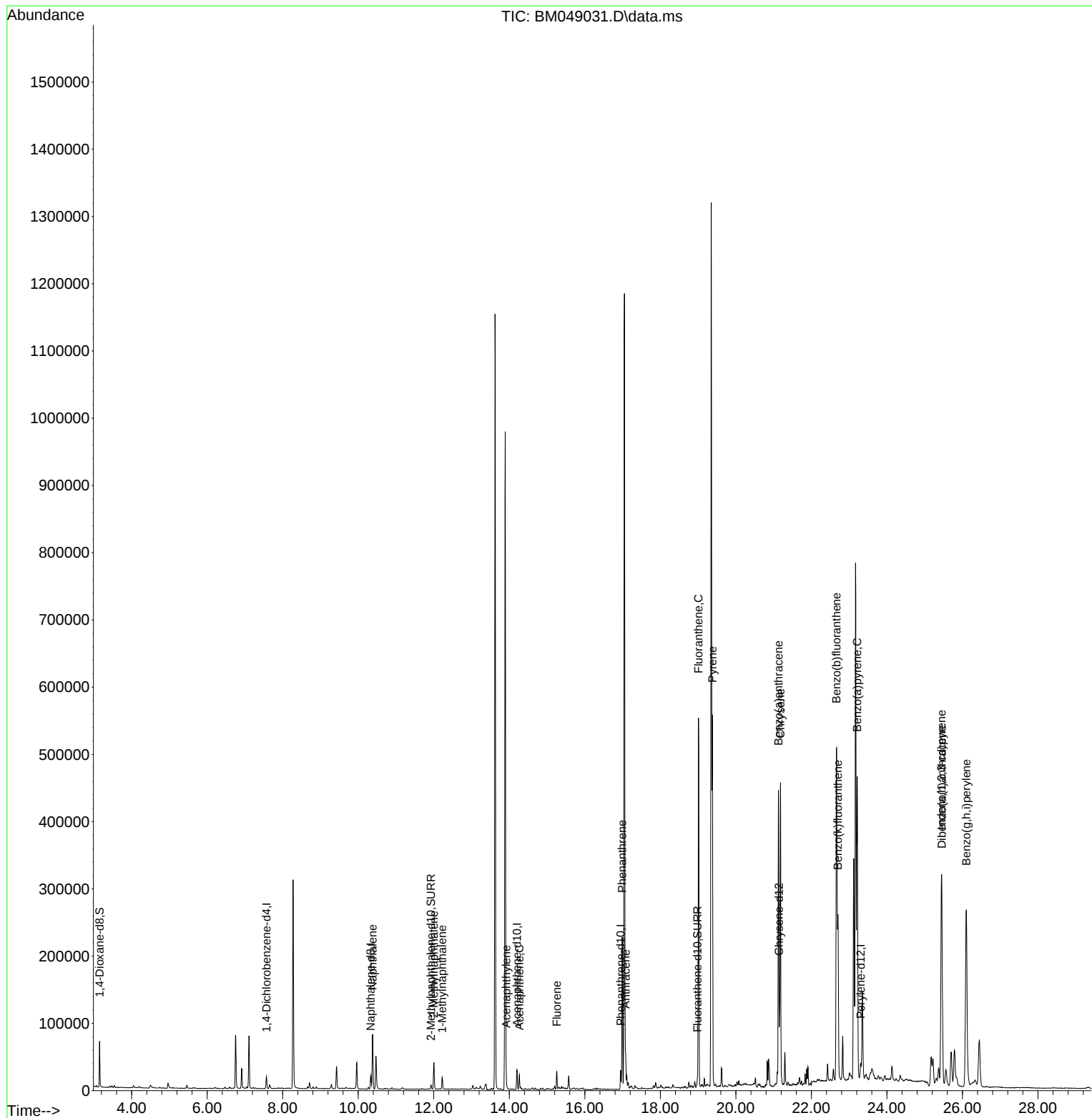
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.569	152	8524	0.400	ng/ul	0.00
4) Naphthalene-d8	10.332	136	26418	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.206	164	15073	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.951	188	33397m	0.400	ng/ul	0.00
17) Chrysene-d12	21.143	240	24902m	0.400	ng/ul	0.00
23) Perylene-d12	23.306	264	25743m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	36865	3.700	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.926	152	8298	0.246	ng/ul	0.00
18) Fluoranthene-d10	18.984	212	15444m	0.208	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.381	128	108091	1.596	ng/ul	98
7) 2-Methylnaphthalene	12.003	142	28966	0.701	ng/ul	99
8) 1-Methylnaphthalene	12.223	142	12680	0.301	ng/ul	99
10) Acenaphthylene	13.919	152	11994	0.188	ng/ul	96
11) Acenaphthene	14.266	153	12761	0.265	ng/ul	98
12) Fluorene	15.256	166	16590	0.310	ng/ul#	97
15) Phenanthrene	16.989	178	227482m	2.485	ng/ul	
16) Anthracene	17.082	178	45770m	0.561	ng/ul	
19) Fluoranthene	19.012	202	473614m	4.586	ng/ul	
20) Pyrene	19.379	202	475881m	4.275	ng/ul	
21) Benzo(a)anthracene	21.128	228	353833m	4.038	ng/ul	
22) Chrysene	21.181	228	413632m	4.172	ng/ul	
24) Benzo(b)fluoranthene	22.665	252	738665m	8.303	ng/ul	
25) Benzo(k)fluoranthene	22.703	252	291955m	2.837	ng/ul	
26) Benzo(a)pyrene	23.212	252	591463m	7.189	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.447	276	476918m	4.127	ng/ul	
28) Dibenzo(a,h)anthracene	25.454	278	105738m	1.176	ng/ul	
29) Benzo(g,h,i)perylene	26.101	276	531571m	5.718	ng/ul	

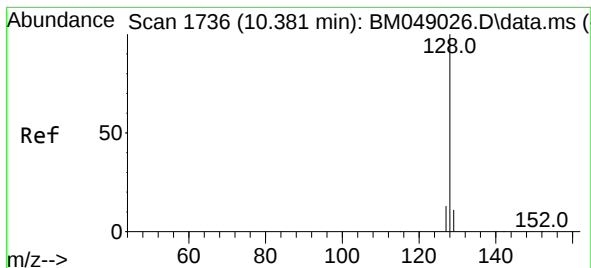
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 1.596 ng/ul

RT: 10.381 min Scan# 1736

Delta R.T. -0.004 min

Lab File: BM049031.D

Acq: 17 Dec 2024 21:13

Instrument :

BNA_M

ClientSampleId :

E28W2

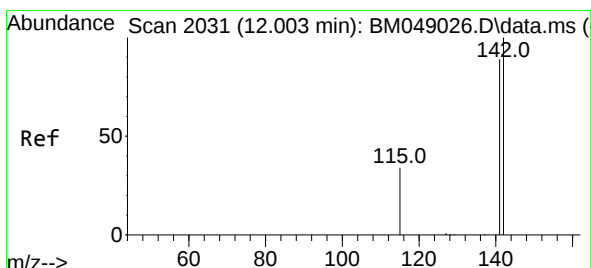
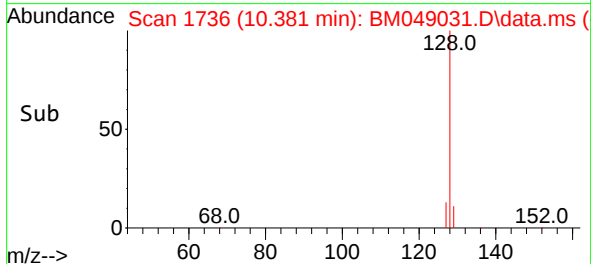
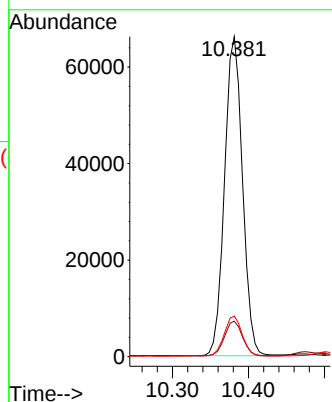
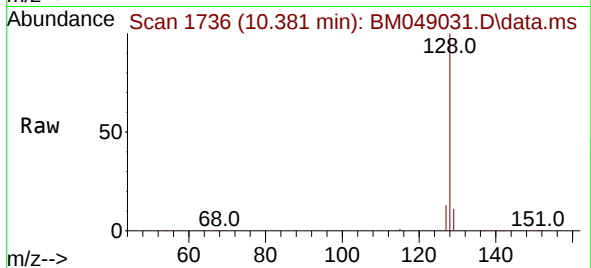
Tgt Ion:128 Resp: 108091

Ion Ratio Lower Upper

128 100

129 11.1 9.4 14.2

127 12.7 10.6 16.0



#7

2-Methylnaphthalene

Concen: 0.701 ng/ul

RT: 12.003 min Scan# 2031

Delta R.T. -0.004 min

Lab File: BM049031.D

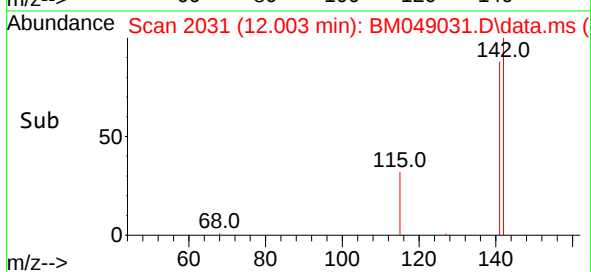
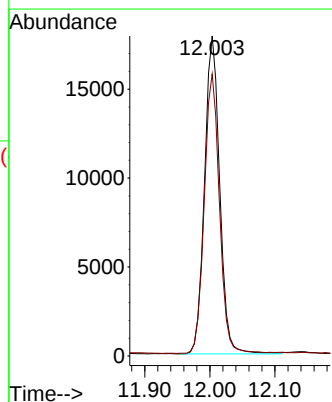
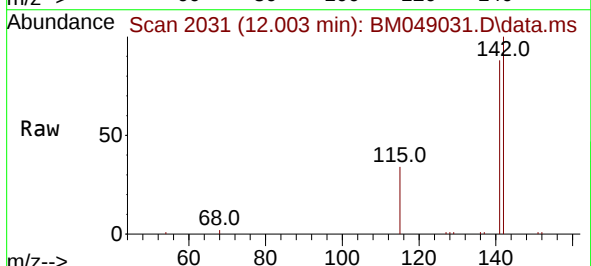
Acq: 17 Dec 2024 21:13

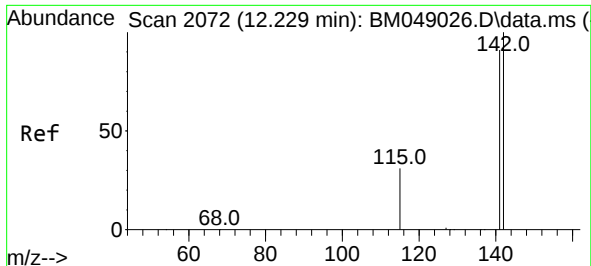
Tgt Ion:142 Resp: 28966

Ion Ratio Lower Upper

142 100

141 88.5 71.2 106.8

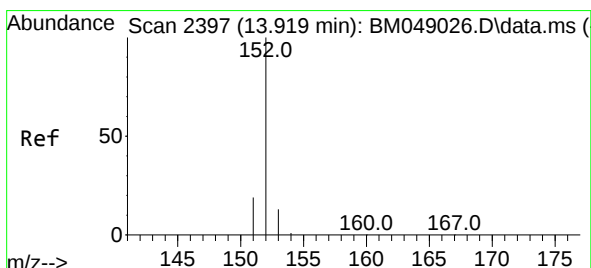
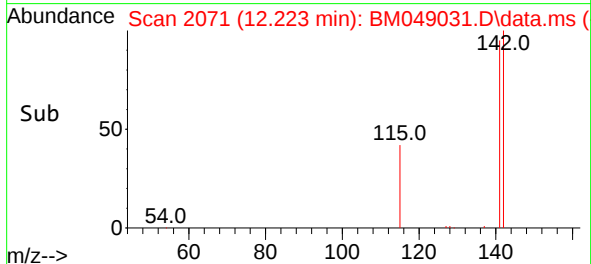
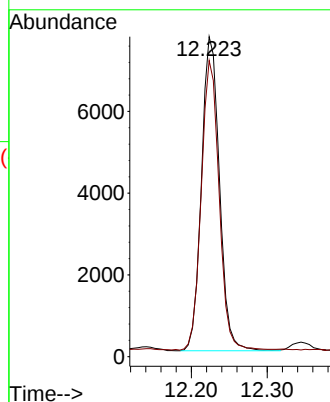
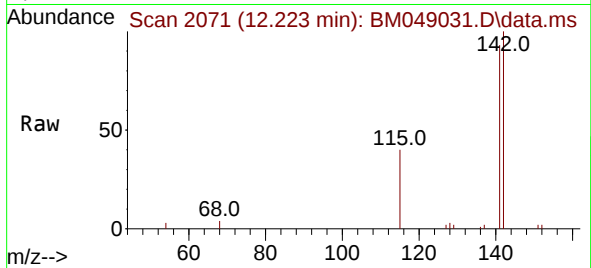




#8
1-Methylnaphthalene
Concen: 0.301 ng/ul
RT: 12.223 min Scan# 2071
Delta R.T. -0.004 min
Lab File: BM049031.D
Acq: 17 Dec 2024 21:13

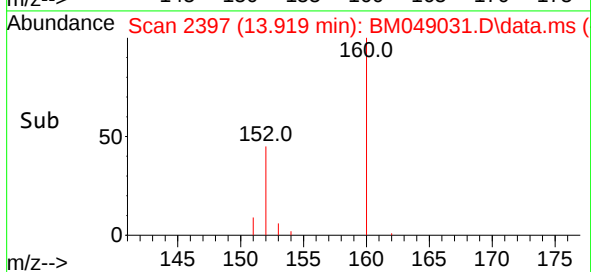
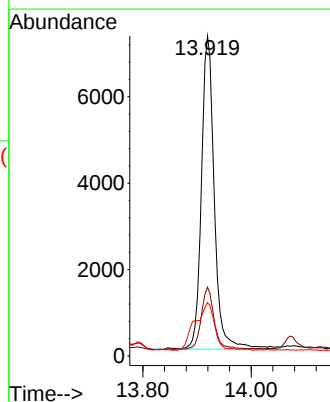
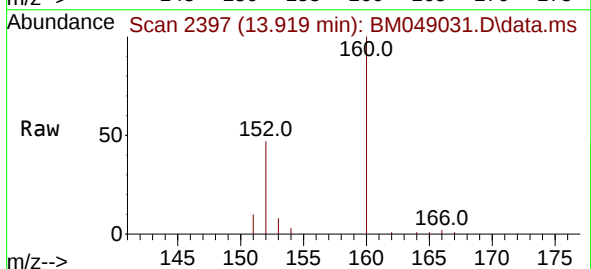
Instrument :
BNA_M
ClientSampleId :
E28W2

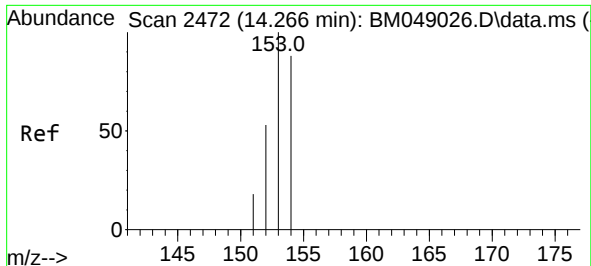
Tgt Ion:142 Resp: 12680
Ion Ratio Lower Upper
142 100
141 91.5 72.8 109.2



#10
Acenaphthylene
Concen: 0.188 ng/ul
RT: 13.919 min Scan# 2397
Delta R.T. -0.003 min
Lab File: BM049031.D
Acq: 17 Dec 2024 21:13

Tgt Ion:152 Resp: 11994
Ion Ratio Lower Upper
152 100
151 21.5 16.3 24.5
153 16.7 11.2 16.8

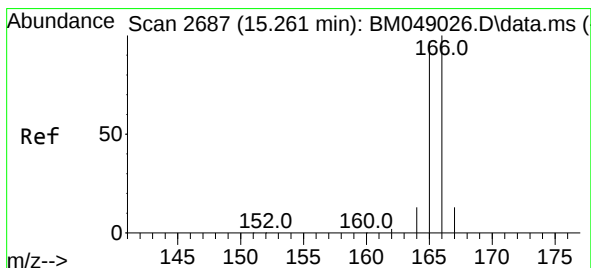
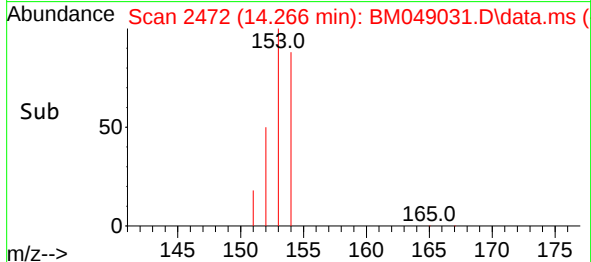
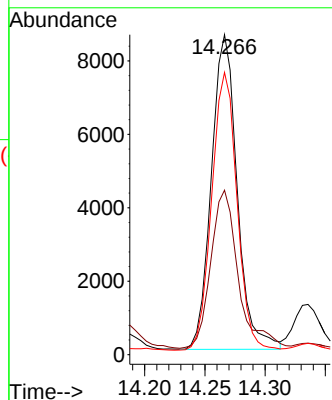
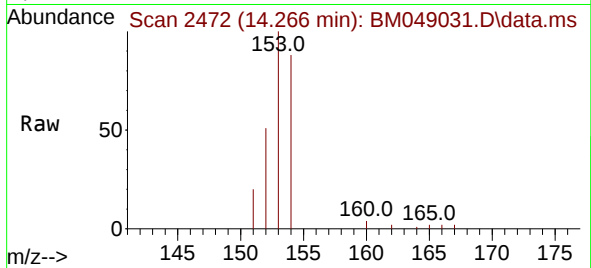




#11
Acenaphthene
Concen: 0.265 ng/ul
RT: 14.266 min Scan# 2472
Delta R.T. -0.003 min
Lab File: BM049031.D
Acq: 17 Dec 2024 21:13

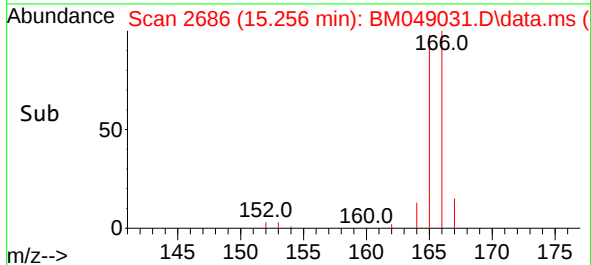
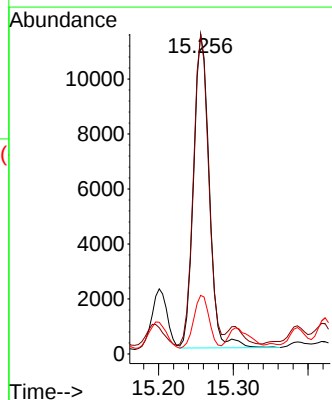
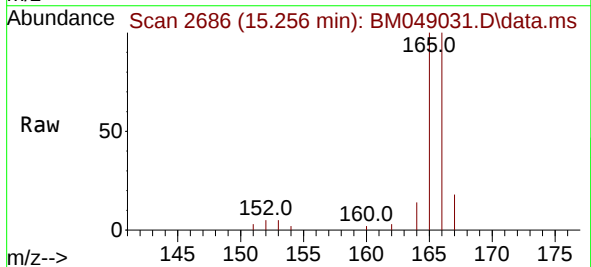
Instrument :
BNA_M
ClientSampleId :
E28W2

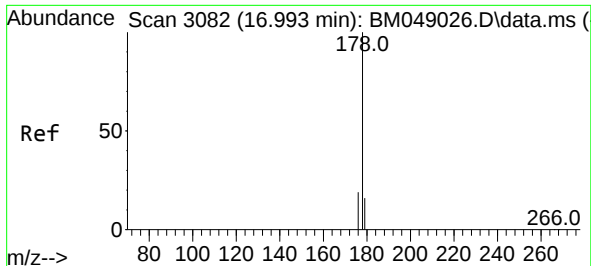
Tgt Ion:153 Resp: 12761
Ion Ratio Lower Upper
153 100
152 51.4 43.5 65.3
154 88.2 69.5 104.3



#12
Fluorene
Concen: 0.310 ng/ul
RT: 15.256 min Scan# 2686
Delta R.T. -0.008 min
Lab File: BM049031.D
Acq: 17 Dec 2024 21:13

Tgt Ion:166 Resp: 16590
Ion Ratio Lower Upper
166 100
165 99.6 78.1 117.1
167 18.3 11.6 17.4#

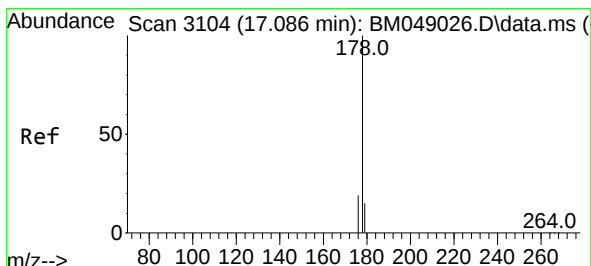
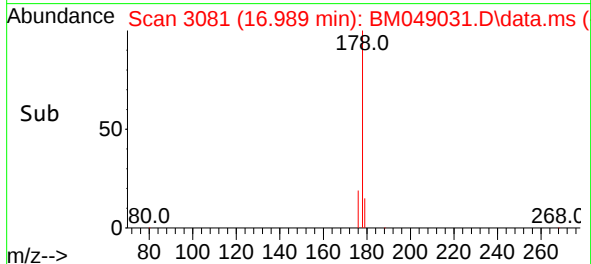
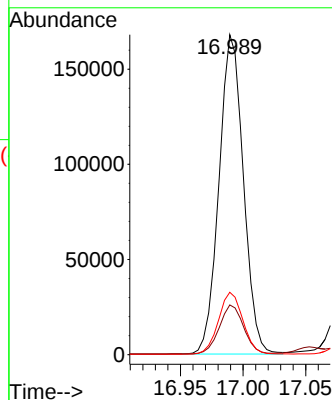
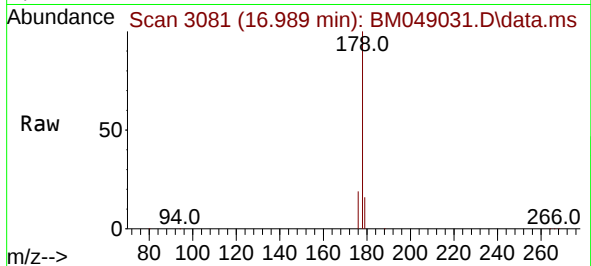




#15
Phenanthrene
Concen: 2.485 ng/ul m
RT: 16.989 min Scan# 3081
Delta R.T. -0.007 min
Lab File: BM049031.D
Acq: 17 Dec 2024 21:13

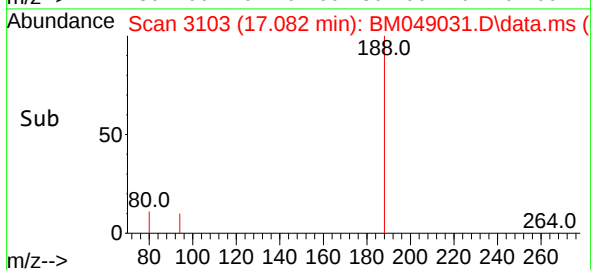
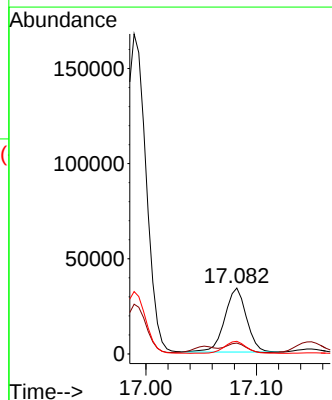
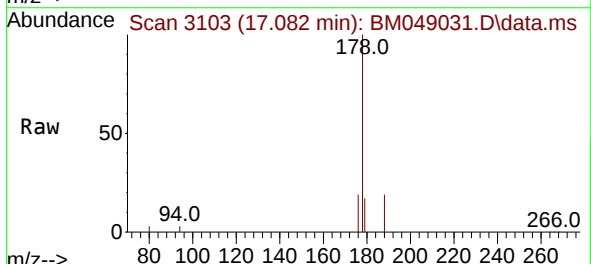
Instrument :
BNA_M
ClientSampleId :
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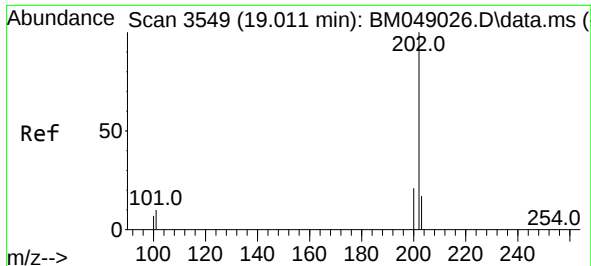
Tgt Ion:178 Resp: 227482
Ion Ratio Lower Upper
178 100
179 15.5 13.0 19.6
176 19.5 15.8 23.8



#16
Anthracene
Concen: 0.561 ng/ul m
RT: 17.082 min Scan# 3103
Delta R.T. -0.003 min
Lab File: BM049031.D
Acq: 17 Dec 2024 21:13

Tgt Ion:178 Resp: 45770
Ion Ratio Lower Upper
178 100
179 16.6 13.0 19.4
176 19.3 15.0 22.6

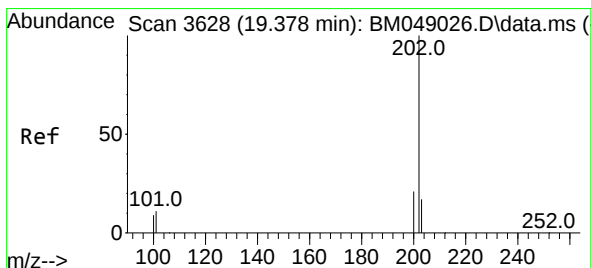
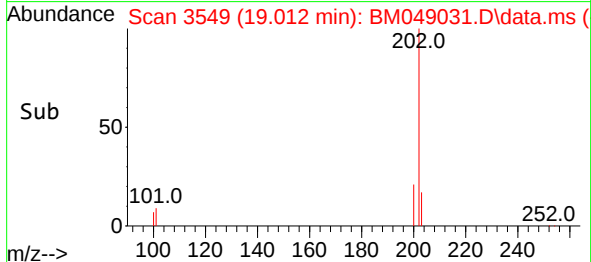
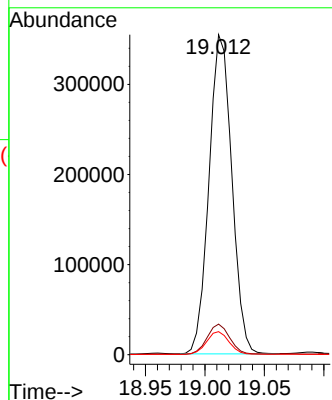
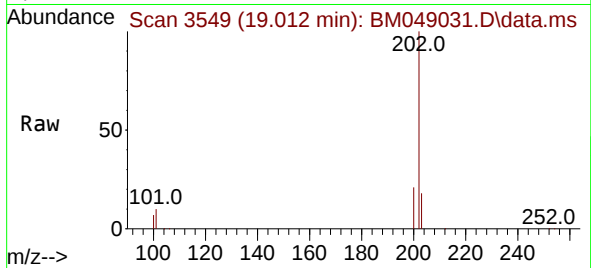




#19
Fluoranthene
Concen: 4.586 ng/ul m
RT: 19.012 min Scan# 3549
Delta R.T. -0.003 min
Lab File: BM049031.D
Acq: 17 Dec 2024 21:13

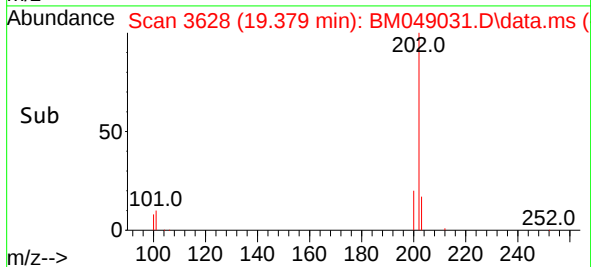
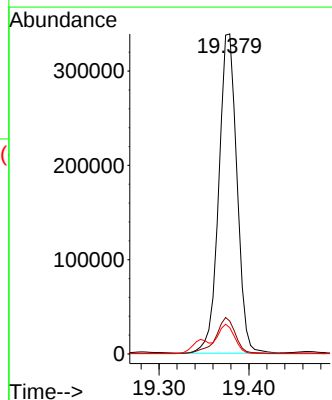
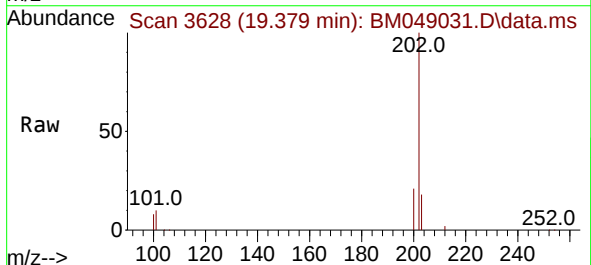
Instrument :
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ClientSampleId :
E28W2

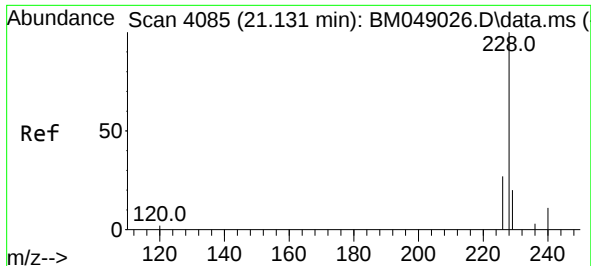
Tgt Ion:202 Resp: 473614
Ion Ratio Lower Upper
202 100
101 9.6 9.7 14.5#
100 7.2 7.3 10.9#



#20
Pyrene
Concen: 4.275 ng/ul m
RT: 19.379 min Scan# 3628
Delta R.T. -0.003 min
Lab File: BM049031.D
Acq: 17 Dec 2024 21:13

Tgt Ion:202 Resp: 475881
Ion Ratio Lower Upper
202 100
101 10.3 10.6 16.0#
100 8.2 8.4 12.6#

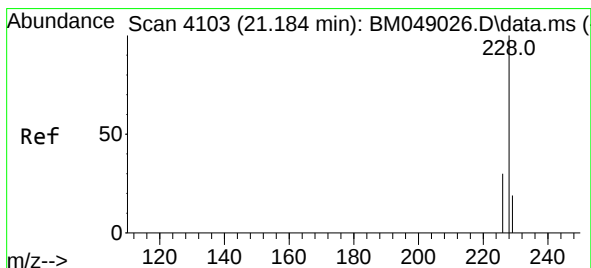
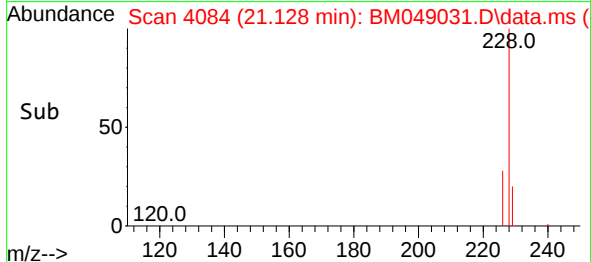
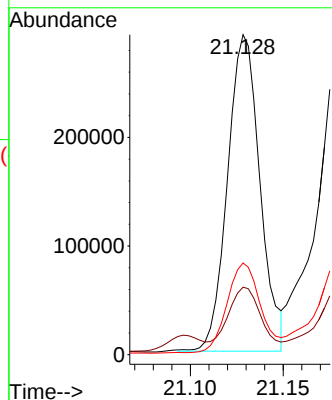
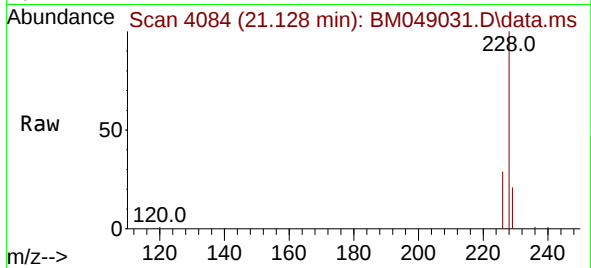




#21
Benzo(a)anthracene
Concen: 4.038 ng/ul m
RT: 21.128 min Scan# 4084
Delta R.T. -0.006 min
Lab File: BM049031.D
Acq: 17 Dec 2024 21:13

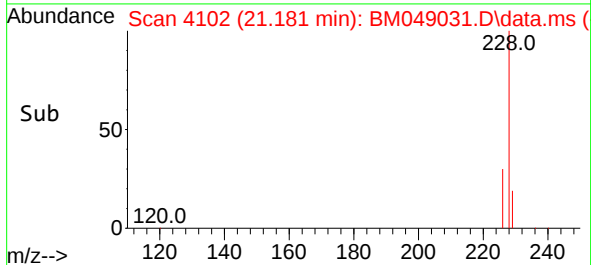
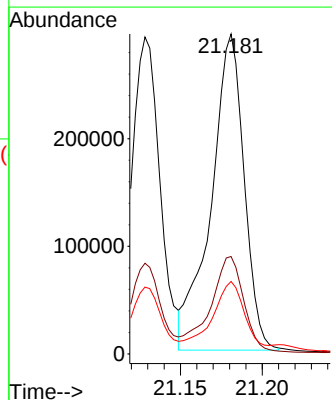
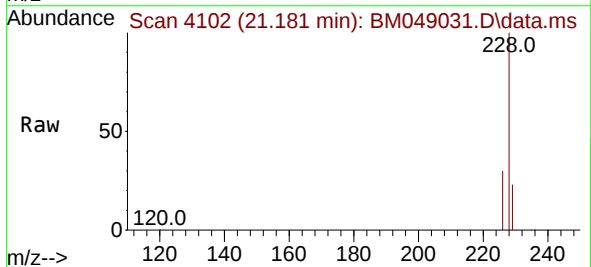
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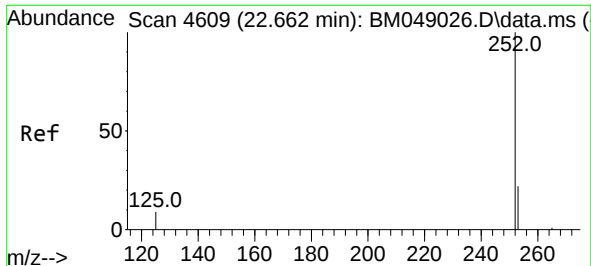
Tgt Ion:228 Resp: 353833
Ion Ratio Lower Upper
228 100
229 21.1 15.7 23.5
226 28.6 23.0 34.4



#22
Chrysene
Concen: 4.172 ng/ul m
RT: 21.181 min Scan# 4102
Delta R.T. -0.006 min
Lab File: BM049031.D
Acq: 17 Dec 2024 21:13

Tgt Ion:228 Resp: 413632
Ion Ratio Lower Upper
228 100
226 30.5 24.8 37.2
229 22.6 16.0 24.0

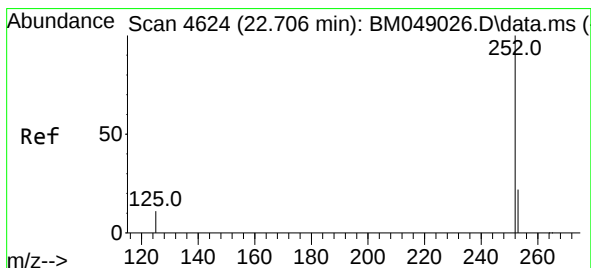
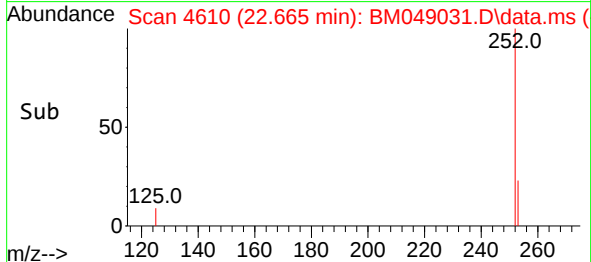
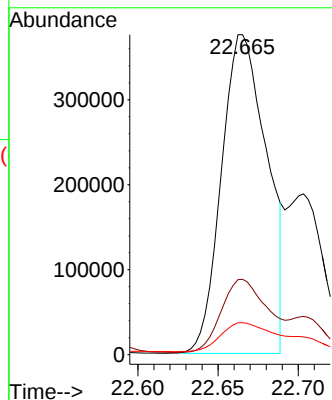
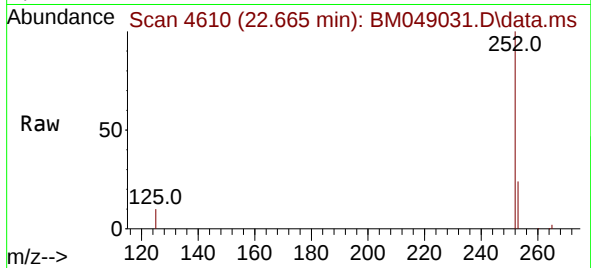




#24
Benzo(b)fluoranthene
Concen: 8.303 ng/ul m
RT: 22.665 min Scan# 4610
Delta R.T. -0.000 min
Lab File: BM049031.D
Acq: 17 Dec 2024 21:13

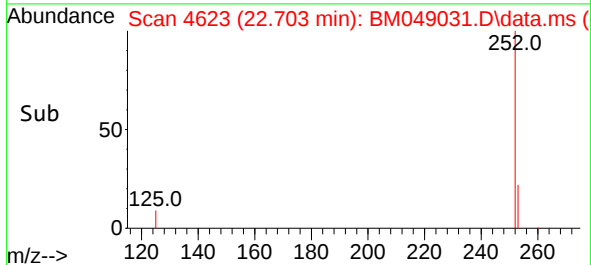
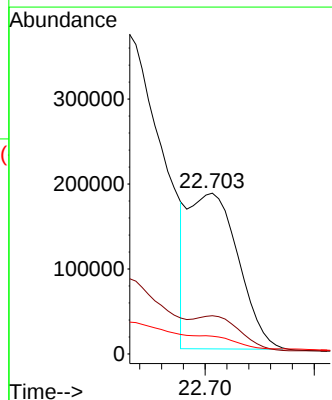
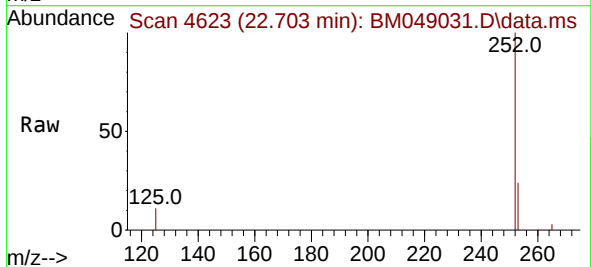
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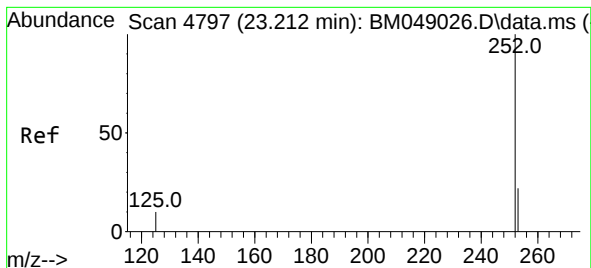
Tgt Ion:252 Resp: 738665
Ion Ratio Lower Upper
252 100
253 23.5 0.0 51.0
125 10.0 0.0 36.6



#25
Benzo(k)fluoranthene
Concen: 2.837 ng/ul m
RT: 22.703 min Scan# 4623
Delta R.T. -0.006 min
Lab File: BM049031.D
Acq: 17 Dec 2024 21:13

Tgt Ion:252 Resp: 291955
Ion Ratio Lower Upper
252 100
253 23.8 20.5 30.7
125 11.0 17.3 25.9#





#26

Benzo(a)pyrene

Concen: 7.189 ng/ul m

RT: 23.212 min Scan# 4797

Delta R.T. -0.003 min

Lab File: BM049031.D

Acq: 17 Dec 2024 21:13

Instrument :

BNA_M

ClientSampleId :

E28W2

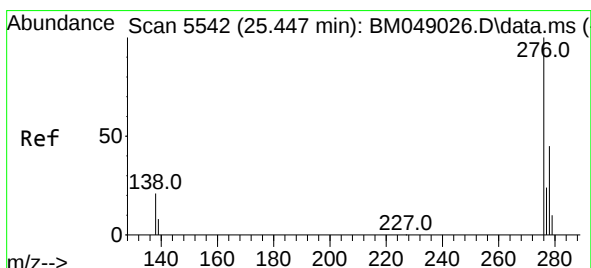
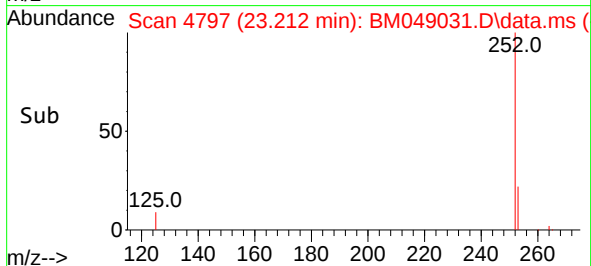
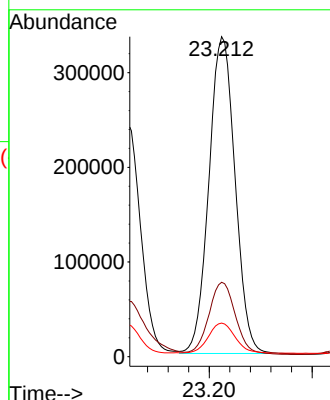
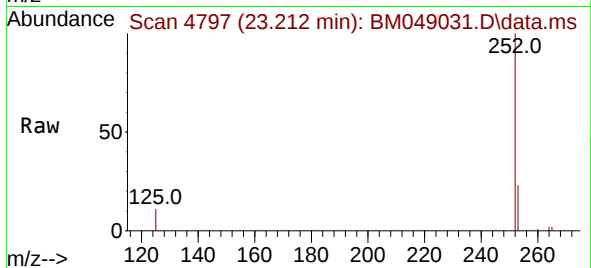
Tgt Ion:252 Resp: 591463

Ion Ratio Lower Upper

252 100

253 23.2 21.8 32.8

125 10.5 18.6 27.8#



#27

Indeno(1,2,3-cd)pyrene

Concen: 4.127 ng/ul m

RT: 25.447 min Scan# 5542

Delta R.T. -0.007 min

Lab File: BM049031.D

Acq: 17 Dec 2024 21:13

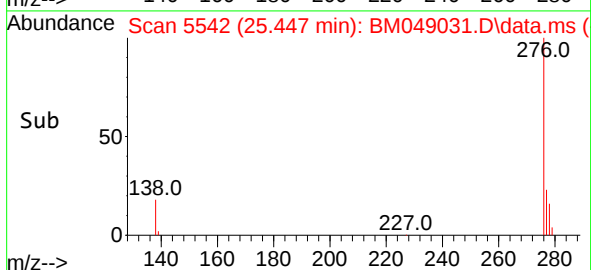
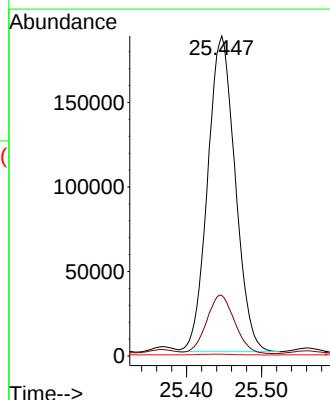
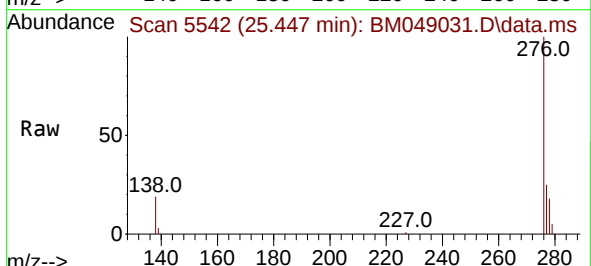
Tgt Ion:276 Resp: 476918

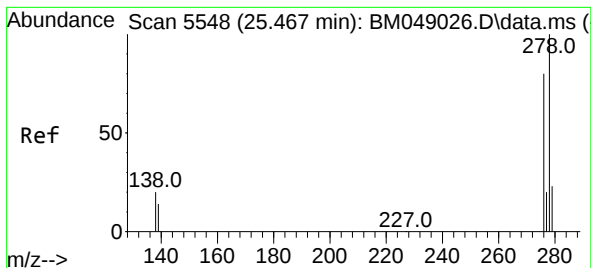
Ion Ratio Lower Upper

276 100

138 1.2 22.1 33.1#

227 0.0 0.2 0.2#





#28

Dibenzo(a,h)anthracene

Concen: 1.176 ng/ul m

RT: 25.454 min Scan# 5

Delta R.T. -0.020 min

Lab File: BM049031.D

Acq: 17 Dec 2024 21:13

Instrument :

BNA_M

ClientSampleId :

E28W2

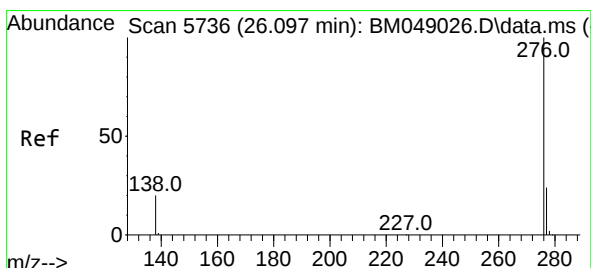
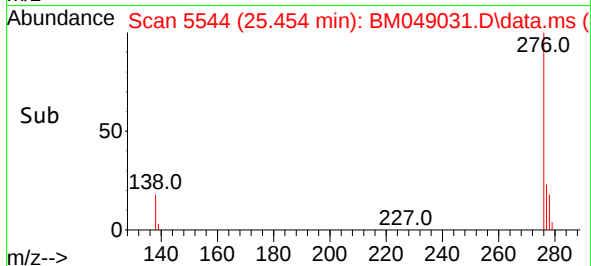
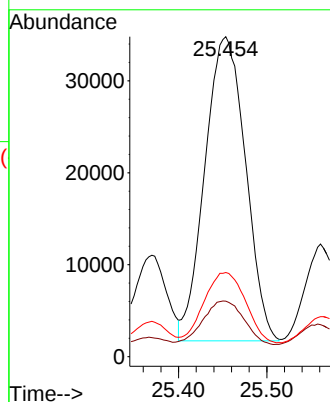
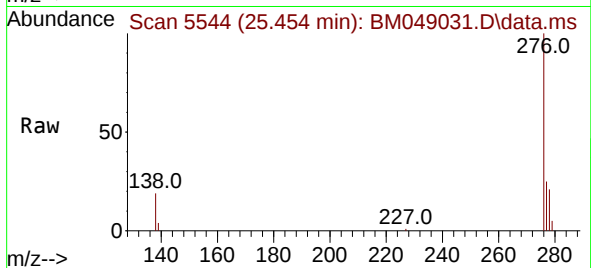
Tgt Ion:278 Resp: 105738

Ion Ratio Lower Upper

278 100

139 17.4 17.4 26.0

279 26.3 21.1 31.7



#29

Benzo(g,h,i)perylene

Concen: 5.718 ng/ul m

RT: 26.101 min Scan# 5737

Delta R.T. 0.003 min

Lab File: BM049031.D

Acq: 17 Dec 2024 21:13

Tgt Ion:276 Resp: 531571

Ion Ratio Lower Upper

276 100

138 19.4 19.8 29.6#

277 24.2 19.6 29.4

