

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
 Data File : BM049123.D
 Acq On : 21 Dec 2024 05:26
 Operator : RC/JU
 Sample : P5265-10DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28Z5DL

Quant Time: Dec 22 23:05:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 18 15:33:13 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

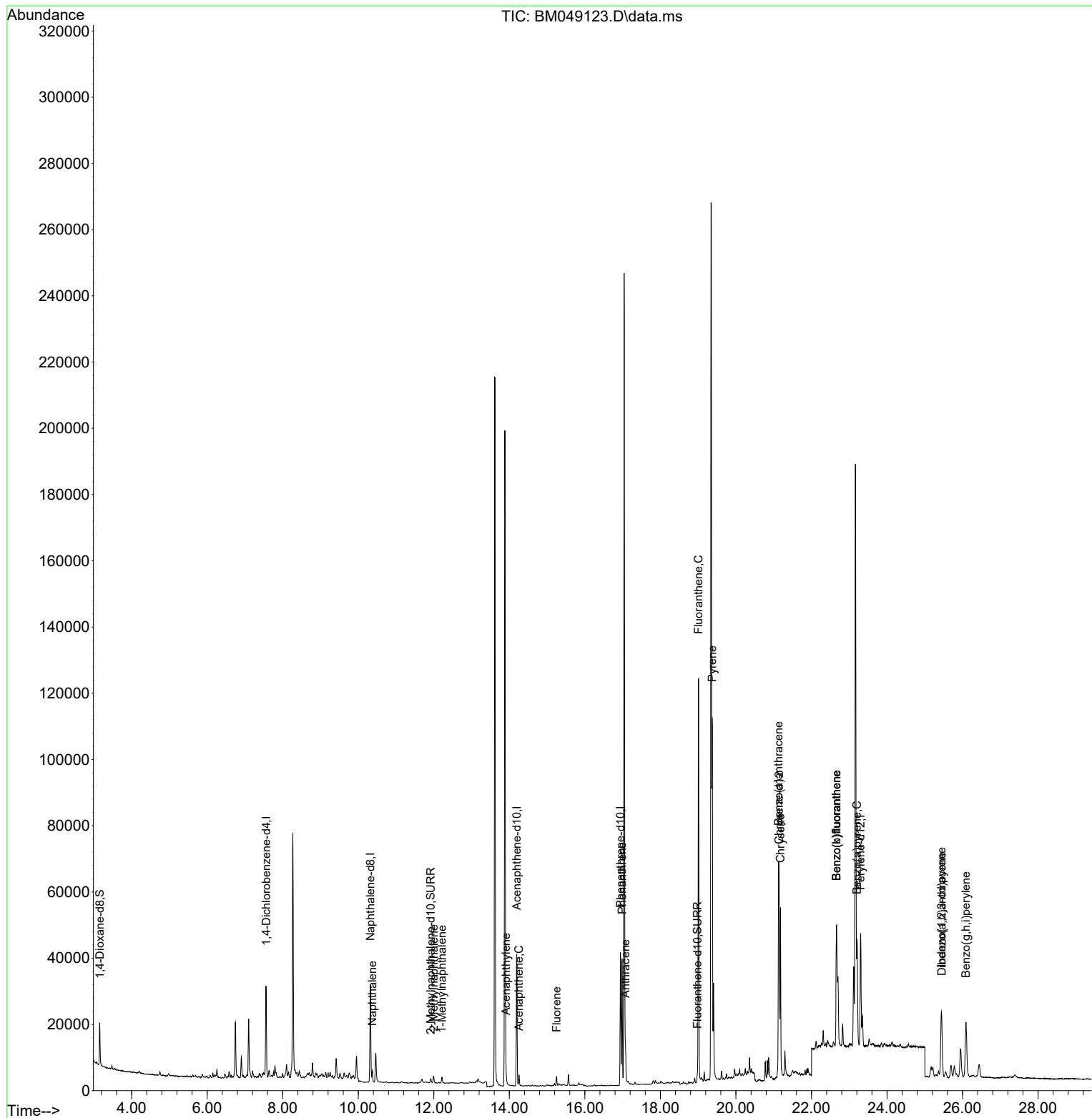
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.560	152	11931	0.400	ng/ul	0.00
4) Naphthalene-d8	10.321	136	38631	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.197	164	22357	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.943	188	46503	0.400	ng/ul	0.00
17) Chrysene-d12	21.143	240	39421	0.400	ng/ul	0.00
23) Perylene-d12	23.300	264	42655	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.155	96	8495	0.617	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.921	152	1796	0.035	ng/ul	0.00
18) Fluoranthene-d10	18.979	212	3068	0.027	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.370	128	3361	0.035	ng/ul#	85
7) 2-Methylnaphthalene	11.998	142	1696	0.028	ng/ul	99
8) 1-Methylnaphthalene	12.218	142	1328	0.021	ng/ul	96
10) Acenaphthylene	13.910	152	2901	0.031	ng/ul#	83
11) Acenaphthene	14.257	153	1825	0.027	ng/ul	95
12) Fluorene	15.252	166	1771	0.023	ng/ul#	90
15) Phenanthrene	16.985	178	37945	0.312	ng/ul	99
16) Anthracene	17.074	178	9130	0.082	ng/ul	95
19) Fluoranthene	19.007	202	106147	0.745	ng/ul	100
20) Pyrene	19.374	202	90708	0.597	ng/ul	98
21) Benzo(a)anthracene	21.128	228	46765	0.341	ng/ul	97
22) Chrysene	21.178	228	47102	0.320	ng/ul	96
24) Benzo(b)fluoranthene	22.662	252	82708	0.607	ng/ul	95
25) Benzo(k)fluoranthene	22.662	252	82708	0.553	ng/ul	96
26) Benzo(a)pyrene	23.206	252	41750	0.319	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	25.440	276	31763	0.172	ng/ul#	93
28) Dibenzo(a,h)anthracene	25.450	278	7253	0.050	ng/ul#	44
29) Benzo(g,h,i)perylene	26.091	276	33870	0.228	ng/ul	96

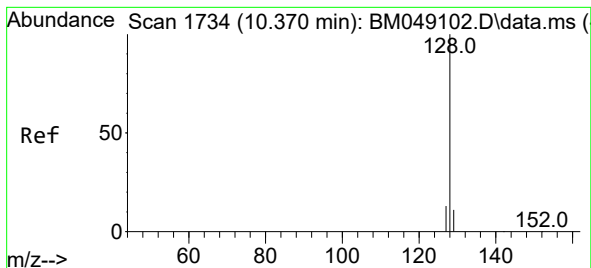
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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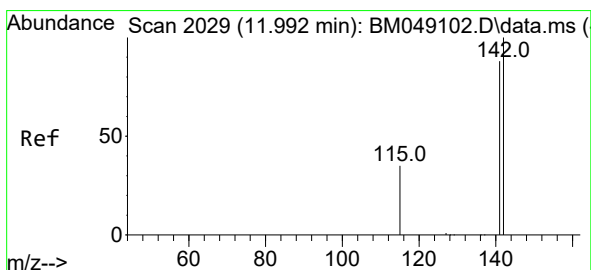
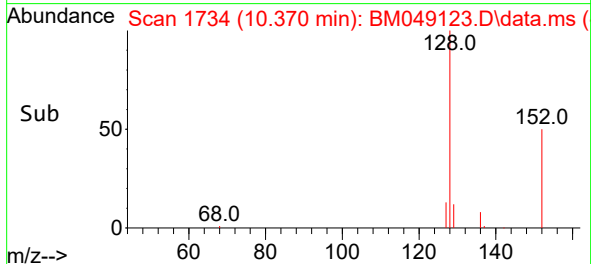
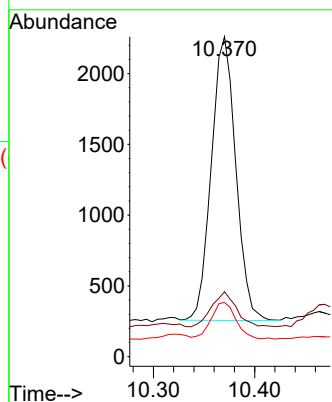
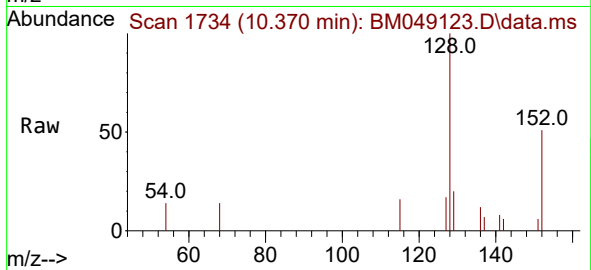




#5
Naphthalene
Concen: 0.035 ng/ul
RT: 10.370 min Scan# 1
Delta R.T. -0.010 min
Lab File: BM049123.D
Acq: 21 Dec 2024 05:26

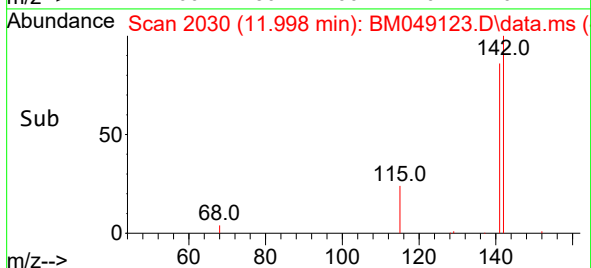
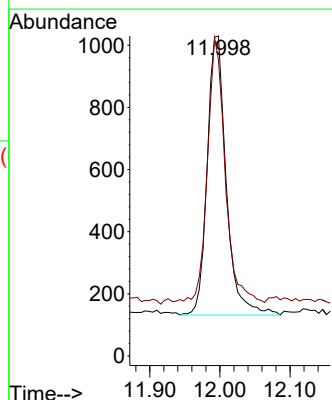
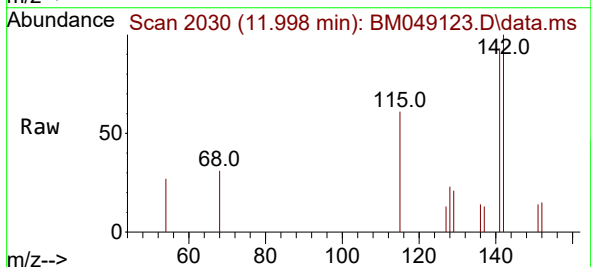
Instrument :
BNA_M
ClientSampleId :
E28Z5DL

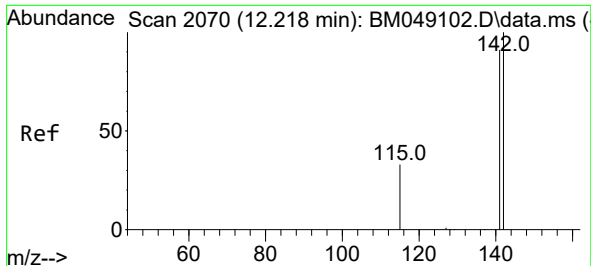
Tgt Ion:128 Resp: 3361
Ion Ratio Lower Upper
128 100
129 20.3 9.7 14.5#
127 16.9 10.6 16.0#



#7
2-Methylnaphthalene
Concen: 0.028 ng/ul
RT: 11.998 min Scan# 2030
Delta R.T. -0.004 min
Lab File: BM049123.D
Acq: 21 Dec 2024 05:26

Tgt Ion:142 Resp: 1696
Ion Ratio Lower Upper
142 100
141 88.3 71.7 107.5

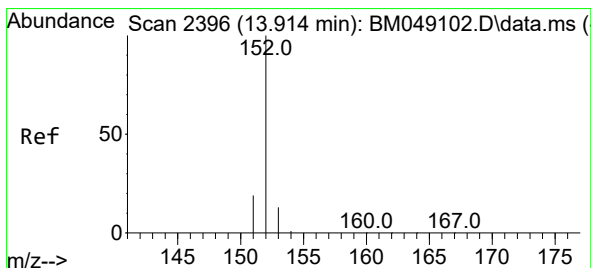
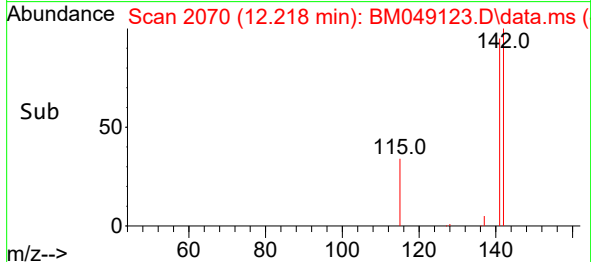
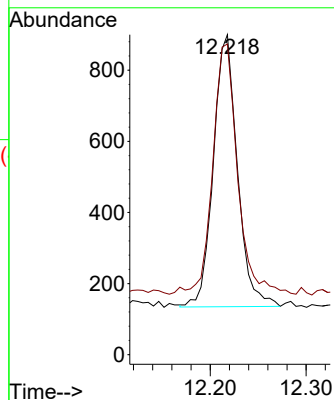
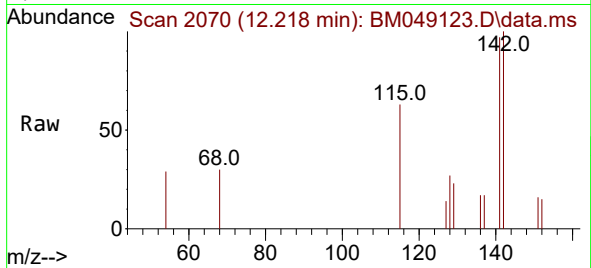




#8
1-Methylnaphthalene
Concen: 0.021 ng/ul
RT: 12.218 min Scan# 2070
Delta R.T. -0.004 min
Lab File: BM049123.D
Acq: 21 Dec 2024 05:26

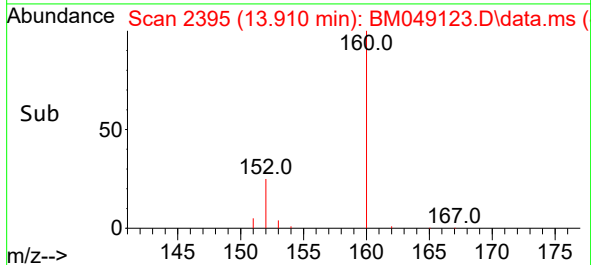
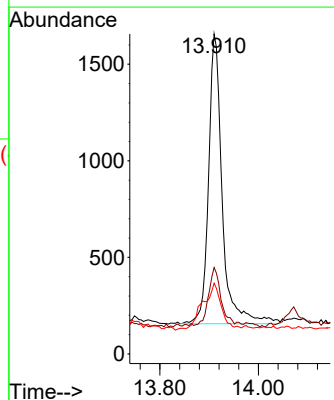
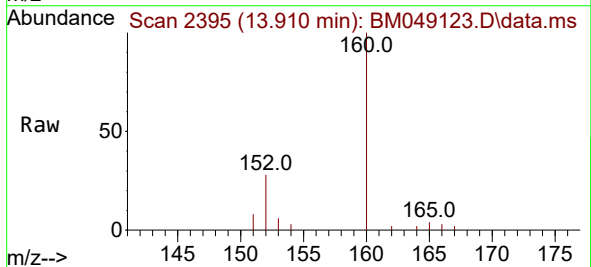
Instrument :
BNA_M
ClientSampleId :
E28Z5DL

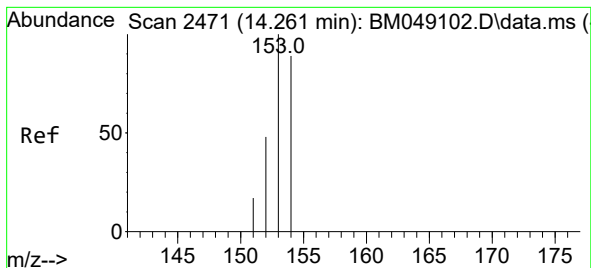
Tgt Ion:142 Resp: 1328
Ion Ratio Lower Upper
142 100
141 95.0 72.7 109.1



#10
Acenaphthylene
Concen: 0.031 ng/ul
RT: 13.910 min Scan# 2395
Delta R.T. -0.008 min
Lab File: BM049123.D
Acq: 21 Dec 2024 05:26

Tgt Ion:152 Resp: 2901
Ion Ratio Lower Upper
152 100
151 27.0 16.0 24.0#
153 22.1 11.0 16.6#





#11

Acenaphthene

Concen: 0.027 ng/ul

RT: 14.257 min Scan# 2471

Delta R.T. -0.008 min

Lab File: BM049123.D

Acq: 21 Dec 2024 05:26

Instrument :

BNA_M

ClientSampleId :

E28Z5DL

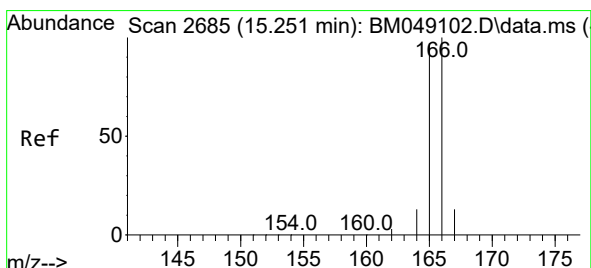
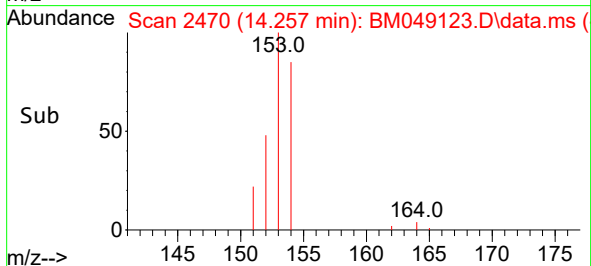
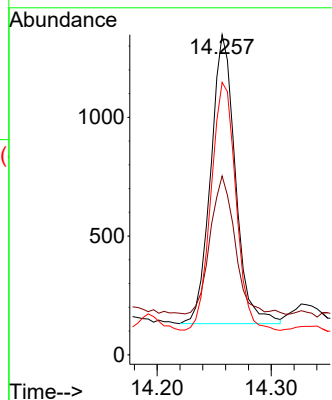
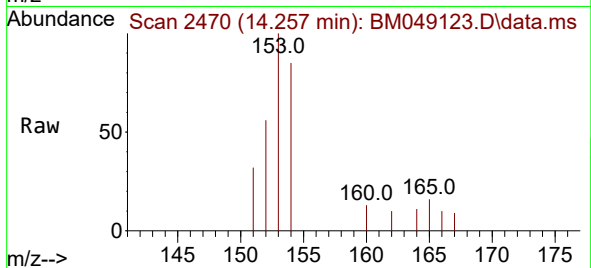
Tgt Ion:153 Resp: 1825

Ion Ratio Lower Upper

153 100

152 55.9 40.7 61.1

154 85.1 70.8 106.2



#12

Fluorene

Concen: 0.023 ng/ul

RT: 15.252 min Scan# 2685

Delta R.T. -0.003 min

Lab File: BM049123.D

Acq: 21 Dec 2024 05:26

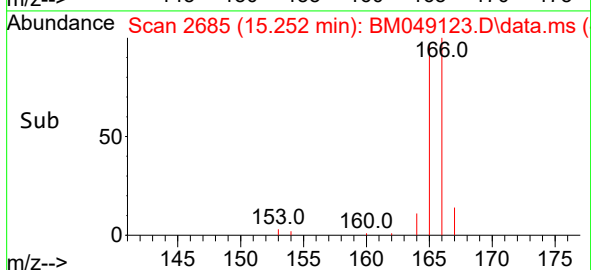
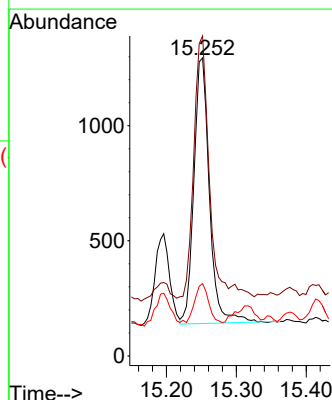
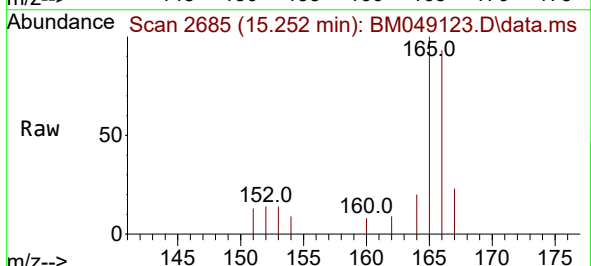
Tgt Ion:166 Resp: 1771

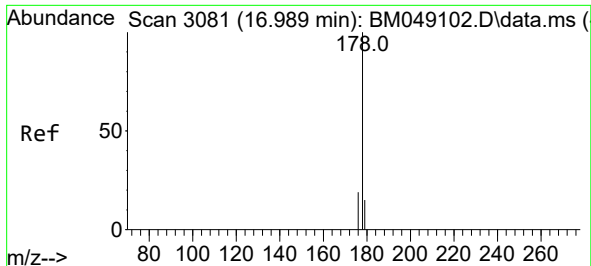
Ion Ratio Lower Upper

166 100

165 107.3 79.7 119.5

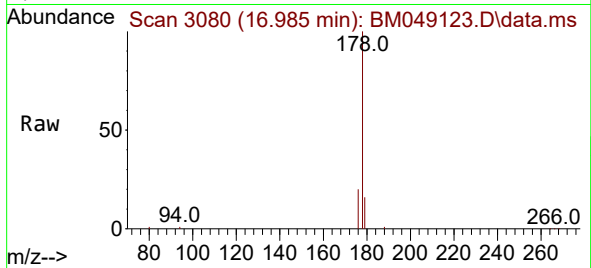
167 24.2 11.4 17.0#



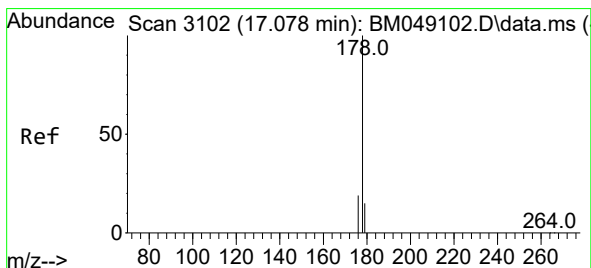
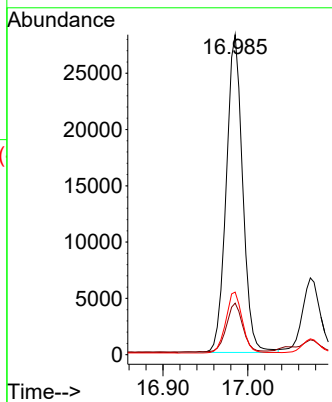
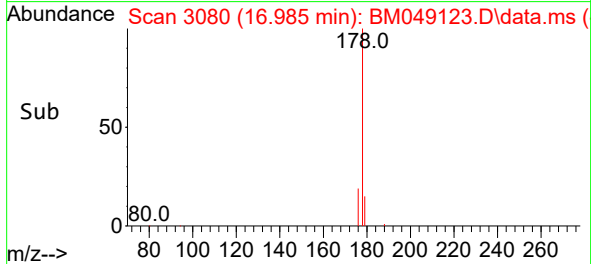


#15
Phenanthrene
Concen: 0.312 ng/ul
RT: 16.985 min Scan# 3080
Delta R.T. -0.007 min
Lab File: BM049123.D
Acq: 21 Dec 2024 05:26

Instrument :
BNA_M
ClientSampleId :
E28Z5DL

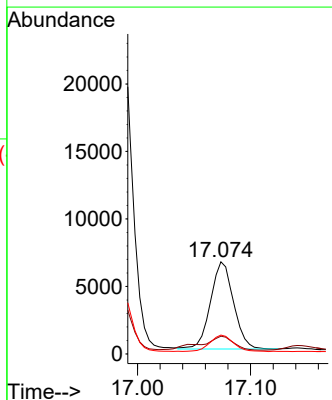
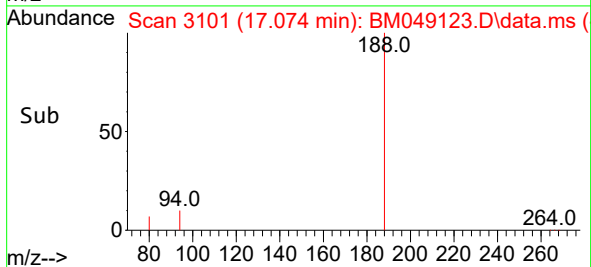
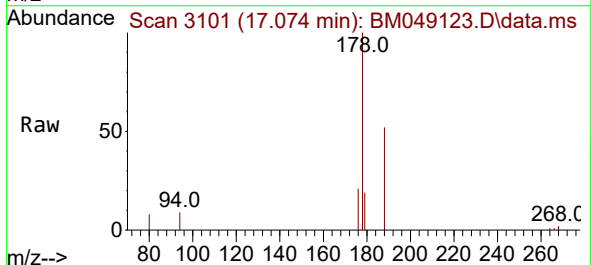


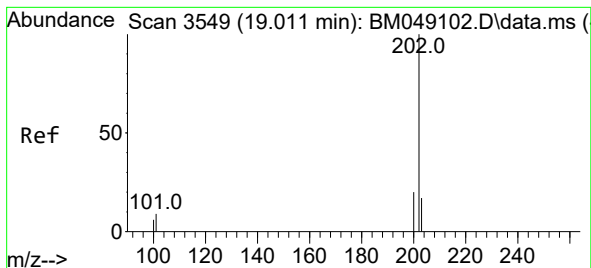
Tgt Ion:178 Resp: 37945
Ion Ratio Lower Upper
178 100
179 16.1 13.0 19.4
176 19.6 16.2 24.2



#16
Anthracene
Concen: 0.082 ng/ul
RT: 17.074 min Scan# 3101
Delta R.T. -0.011 min
Lab File: BM049123.D
Acq: 21 Dec 2024 05:26

Tgt Ion:178 Resp: 9130
Ion Ratio Lower Upper
178 100
179 19.3 12.9 19.3
176 20.5 15.3 22.9





#19

Fluoranthene

Concen: 0.745 ng/ul

RT: 19.007 min Scan# 3549

Delta R.T. -0.008 min

Lab File: BM049123.D

Acq: 21 Dec 2024 05:26

Instrument :

BNA_M

ClientSampleId :

E28Z5DL

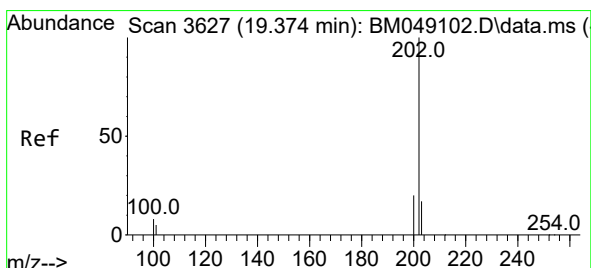
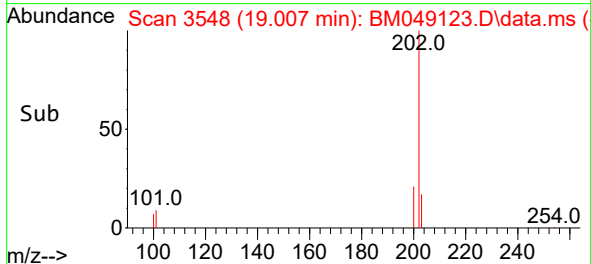
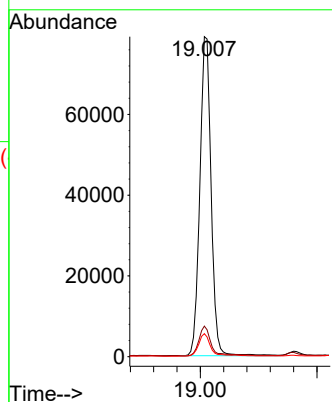
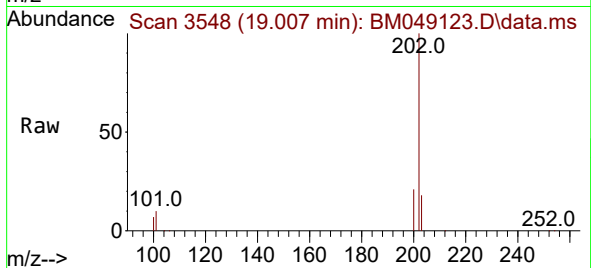
Tgt Ion:202 Resp: 106147

Ion Ratio Lower Upper

202 100

101 9.5 7.6 11.4

100 7.2 5.5 8.3



#20

Pyrene

Concen: 0.597 ng/ul

RT: 19.374 min Scan# 3627

Delta R.T. -0.003 min

Lab File: BM049123.D

Acq: 21 Dec 2024 05:26

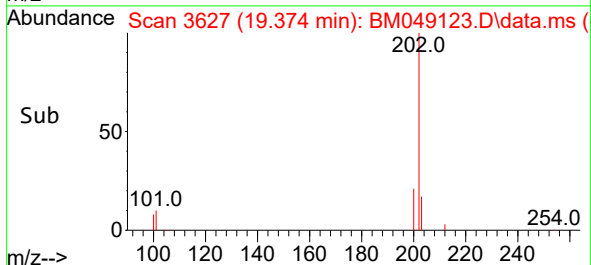
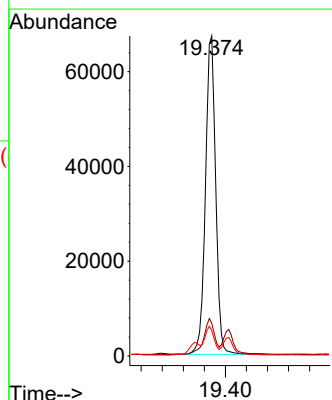
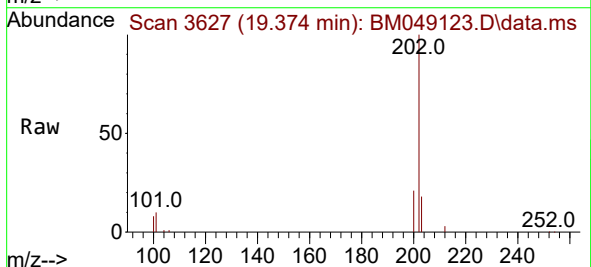
Tgt Ion:202 Resp: 90708

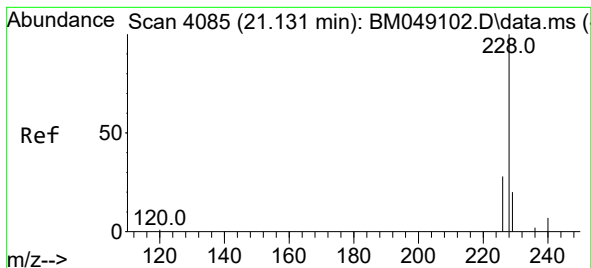
Ion Ratio Lower Upper

202 100

101 10.3 8.9 13.3

100 8.0 6.9 10.3





#21

Benzo(a)anthracene

Concen: 0.341 ng/ul

RT: 21.128 min Scan# 4084

Delta R.T. -0.003 min

Lab File: BM049123.D

Acq: 21 Dec 2024 05:26

Instrument :

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ClientSampleId :

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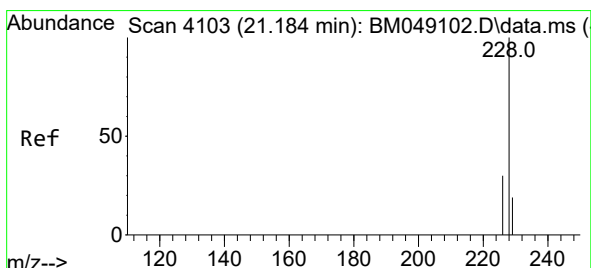
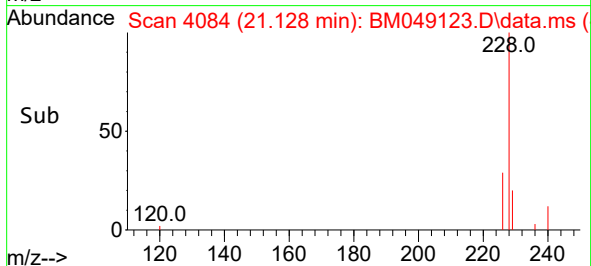
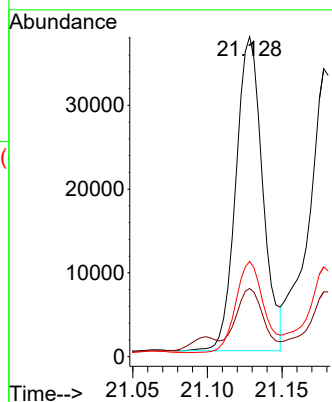
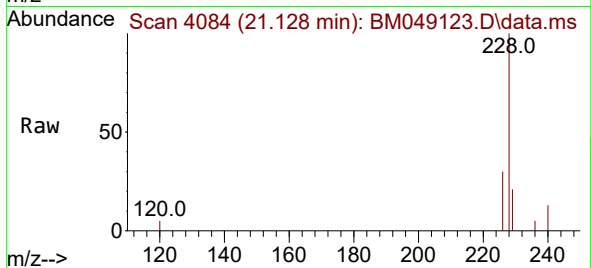
Tgt Ion:228 Resp: 46765

Ion Ratio Lower Upper

228 100

229 21.3 15.9 23.9

226 29.7 22.6 34.0



#22

Chrysene

Concen: 0.320 ng/ul

RT: 21.178 min Scan# 4101

Delta R.T. -0.006 min

Lab File: BM049123.D

Acq: 21 Dec 2024 05:26

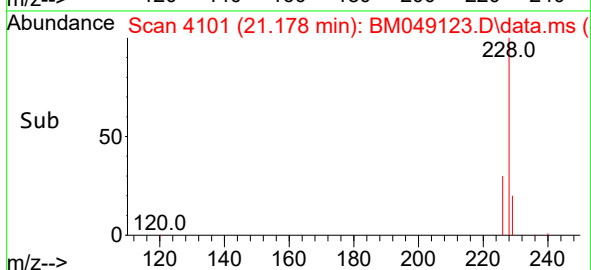
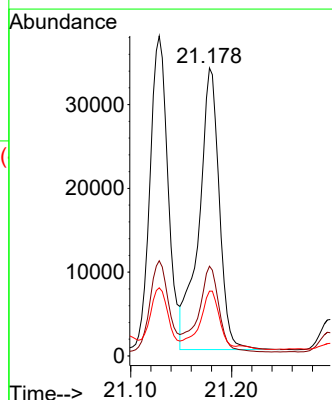
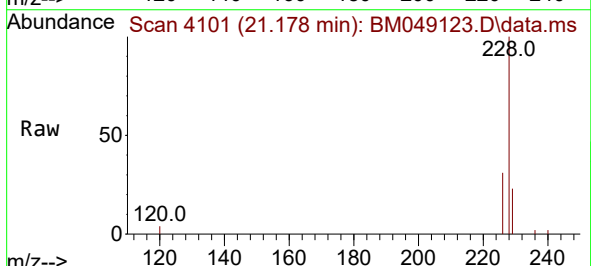
Tgt Ion:228 Resp: 47102

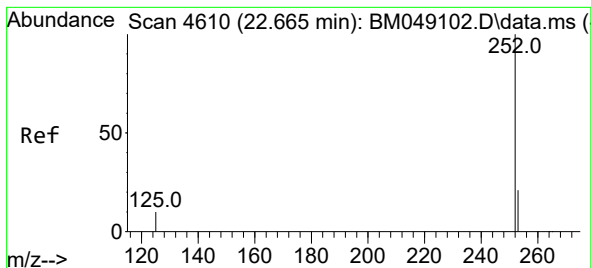
Ion Ratio Lower Upper

228 100

226 31.2 24.1 36.1

229 22.5 15.8 23.8





#24

Benzo(b)fluoranthene

Concen: 0.607 ng/ul

RT: 22.662 min Scan# 4609

Delta R.T. -0.000 min

Lab File: BM049123.D

Acq: 21 Dec 2024 05:26

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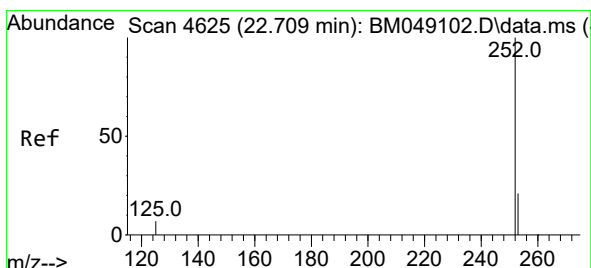
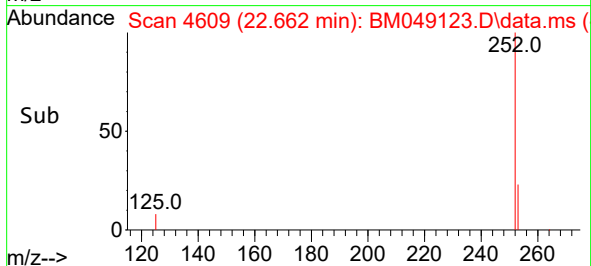
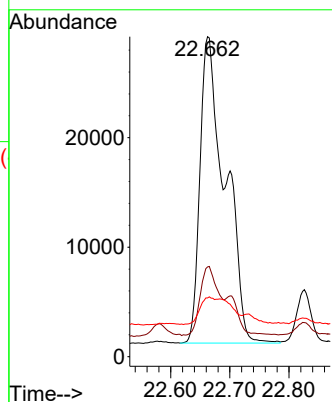
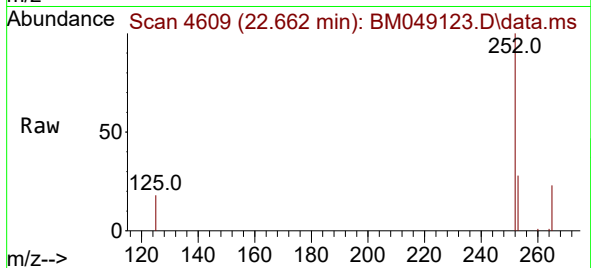
Tgt Ion:252 Resp: 82708

Ion Ratio Lower Upper

252 100

253 28.1 0.0 52.6

125 18.4 0.0 30.8



#25

Benzo(k)fluoranthene

Concen: 0.553 ng/ul

RT: 22.662 min Scan# 4609

Delta R.T. -0.044 min

Lab File: BM049123.D

Acq: 21 Dec 2024 05:26

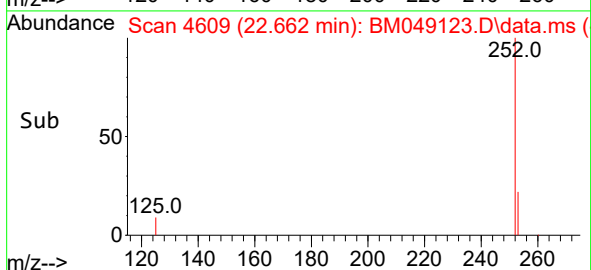
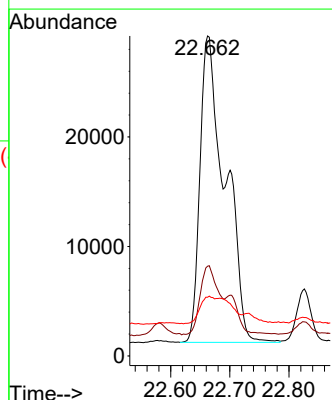
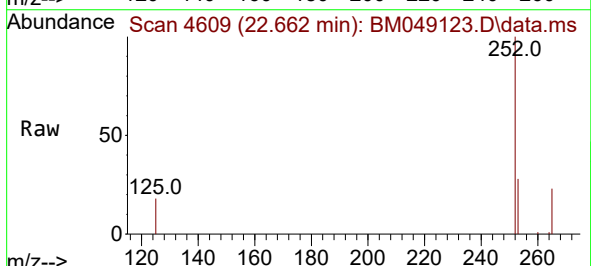
Tgt Ion:252 Resp: 82708

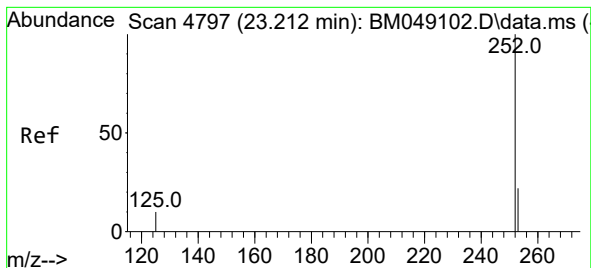
Ion Ratio Lower Upper

252 100

253 28.1 21.3 31.9

125 18.4 12.6 18.8





#26

Benzo(a)pyrene

Concen: 0.319 ng/ul

RT: 23.206 min Scan# 41

Delta R.T. -0.003 min

Lab File: BM049123.D

Acq: 21 Dec 2024 05:26

Instrument :

BNA_M

ClientSampleId :

E28Z5DL

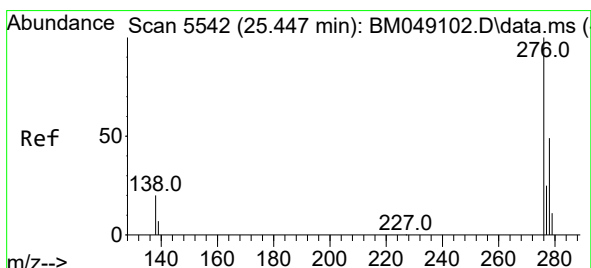
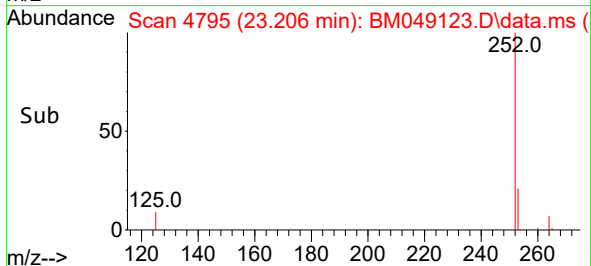
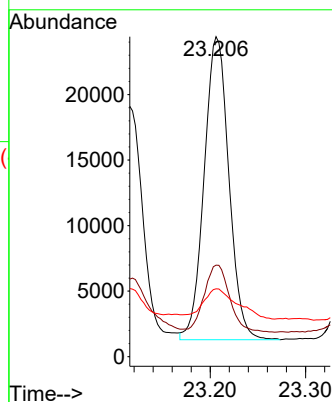
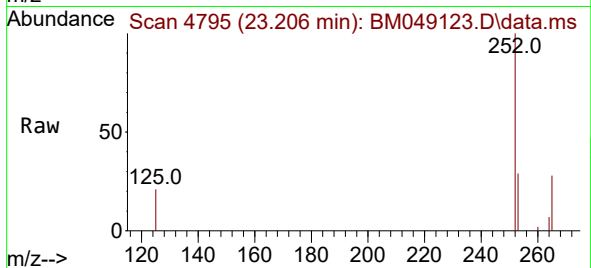
Tgt Ion:252 Resp: 41750

Ion Ratio Lower Upper

252 100

253 28.6 22.4 33.6

125 21.2 14.8 22.2



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.172 ng/ul

RT: 25.440 min Scan# 5540

Delta R.T. -0.007 min

Lab File: BM049123.D

Acq: 21 Dec 2024 05:26

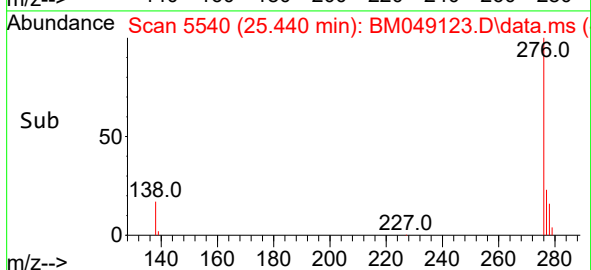
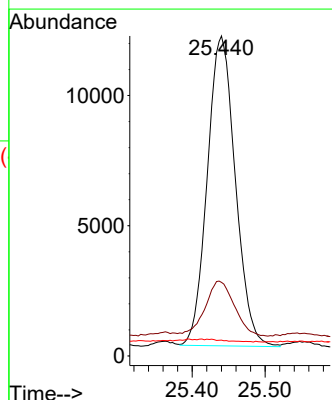
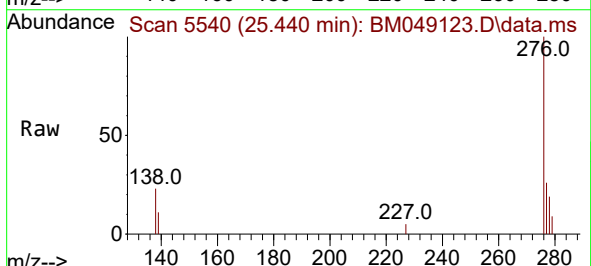
Tgt Ion:276 Resp: 31763

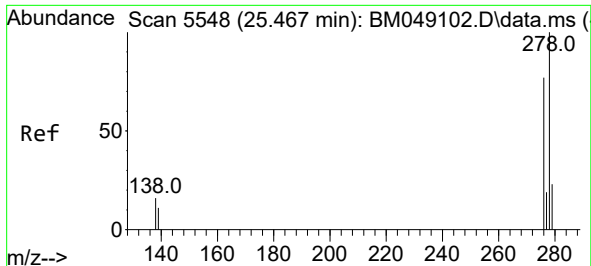
Ion Ratio Lower Upper

276 100

138 18.5 17.4 26.2

227 0.0 0.2 0.2#

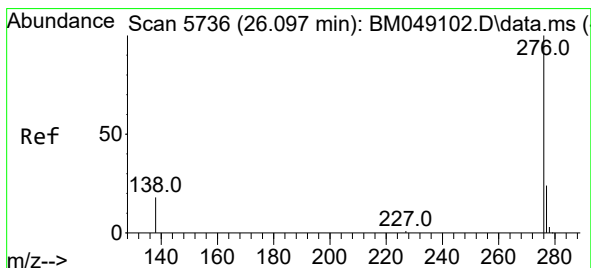
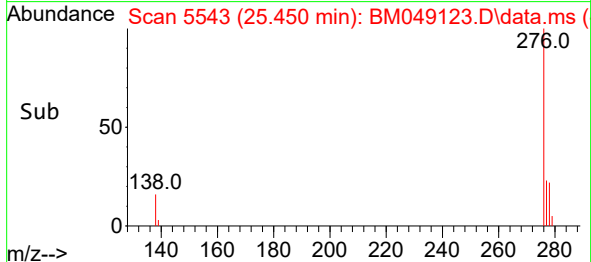
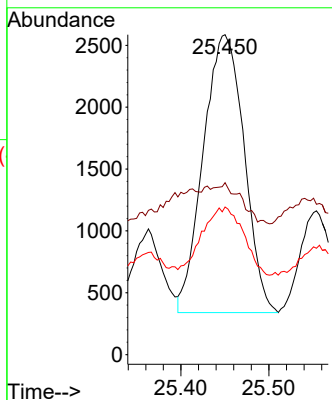
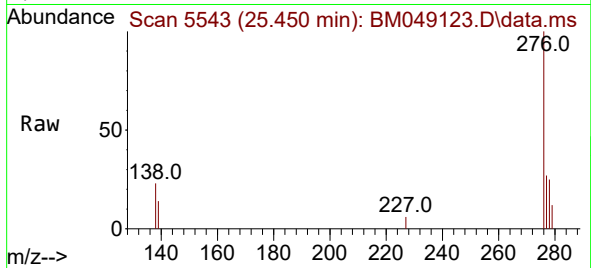




#28
Dibenzo(a,h)anthracene
Concen: 0.050 ng/ul
RT: 25.450 min Scan# 51
Delta R.T. -0.017 min
Lab File: BM049123.D
Acq: 21 Dec 2024 05:26

Instrument :
BNA_M
ClientSampleId :
E28Z5DL

Tgt Ion:278 Resp: 7253
Ion Ratio Lower Upper
278 100
139 53.8 13.5 20.3#
279 46.1 21.5 32.3#



#29
Benzo(g,h,i)perylene
Concen: 0.228 ng/ul
RT: 26.091 min Scan# 5734
Delta R.T. -0.004 min
Lab File: BM049123.D
Acq: 21 Dec 2024 05:26

Tgt Ion:276 Resp: 33870
Ion Ratio Lower Upper
276 100
138 23.9 16.7 25.1
277 26.3 19.9 29.9

