

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049181.D
 Acq On : 24 Dec 2024 12:57
 Operator : RC/JU
 Sample : P5333-08
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2911

Quant Time: Dec 24 21:40:16 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)

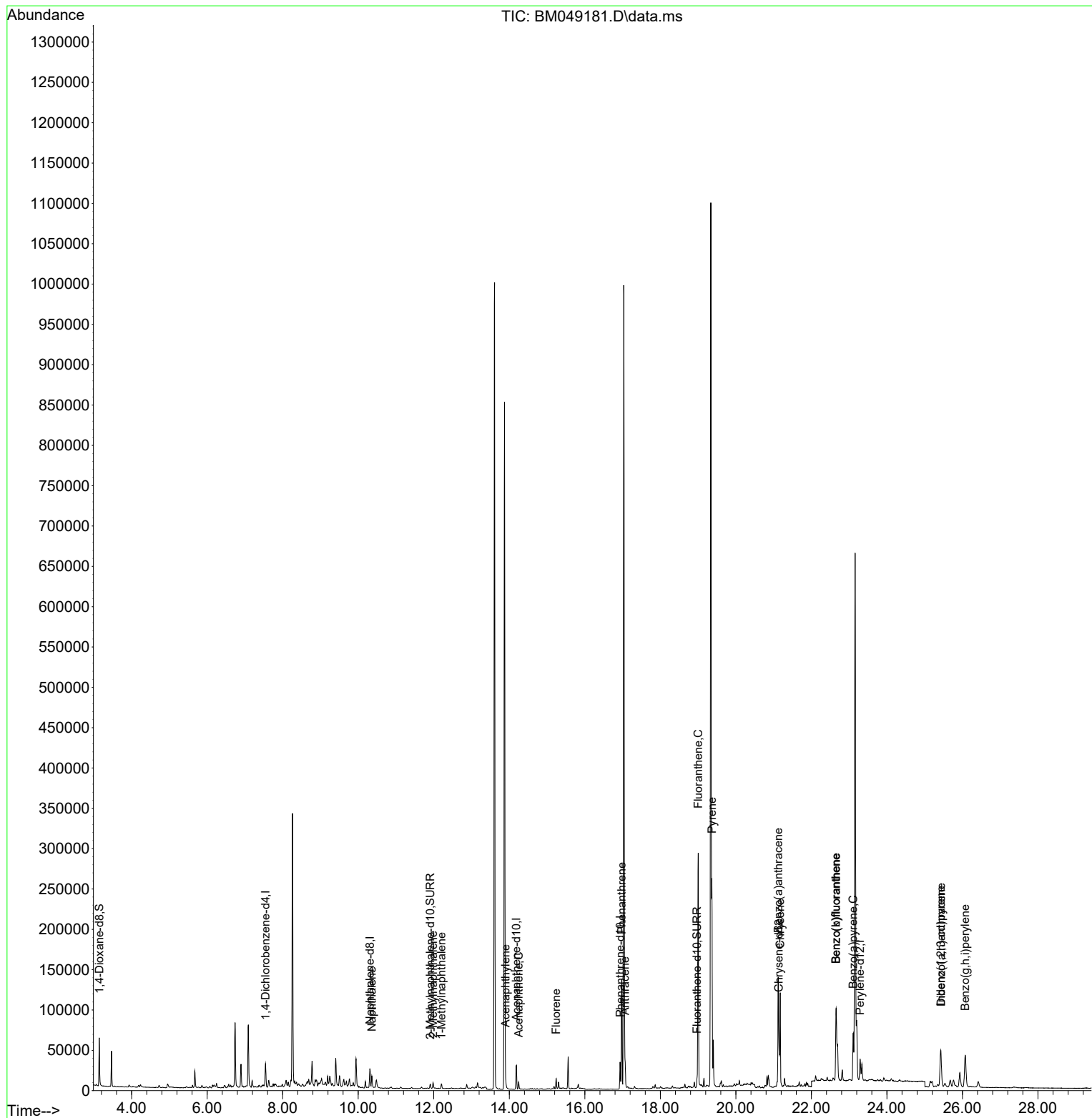
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.548	152	9106	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.309	136	29157	0.400	ng/ul	#-0.02
9) Acenaphthene-d10	14.187	164	16380	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.934	188	37125	0.400	ng/ul	-0.02
17) Chrysene-d12	21.137	240	32069	0.400	ng/ul	0.00
23) Perylene-d12	23.291	264	35445	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.143	96	35340	3.365	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.910	152	7062	0.180	ng/ul	-0.02
18) Fluoranthene-d10	18.969	212	12841	0.141	ng/ul	-0.01
Target Compounds						Qvalue
5) Naphthalene	10.359	128	15408	0.211	ng/ul	97
7) 2-Methylnaphthalene	11.981	142	5852	0.127	ng/ul	93
8) 1-Methylnaphthalene	12.207	142	4261	0.090	ng/ul	91
10) Acenaphthylene	13.901	152	7989	0.118	ng/ul#	79
11) Acenaphthene	14.248	153	5227	0.105	ng/ul	98
12) Fluorene	15.242	166	8372	0.150	ng/ul#	99
15) Phenanthrene	16.976	178	137968	1.423	ng/ul	98
16) Anthracene	17.065	178	28896	0.325	ng/ul	98
19) Fluoranthene	19.002	202	243280	2.098	ng/ul	99
20) Pyrene	19.364	202	207797	1.680	ng/ul	99
21) Benzo(a)anthracene	21.122	228	106144	0.952	ng/ul	97
22) Chrysene	21.172	228	112504	0.940	ng/ul	97
24) Benzo(b)fluoranthene	22.653	252	191170	1.688	ng/ul	97
25) Benzo(k)fluoranthene	22.653	252	191170	1.539	ng/ul	96
26) Benzo(a)pyrene	23.107	252	77324	0.712	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	25.427	276	71526	0.465	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.430	278	17642	0.148	ng/ul#	78
29) Benzo(g,h,i)perylene	26.074	276	80630	0.652	ng/ul	100

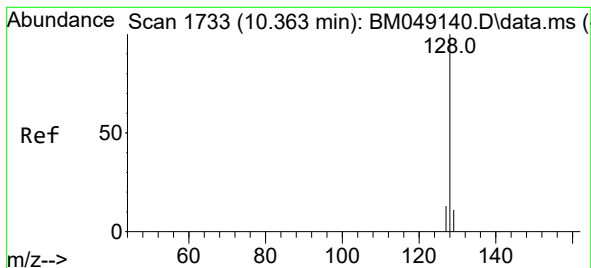
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.211 ng/ul

RT: 10.359 min Scan# 1

Delta R.T. -0.021 min

Lab File: BM049181.D

Acq: 24 Dec 2024 12:57

Instrument :

BNA_M

ClientSampleId :

E2911

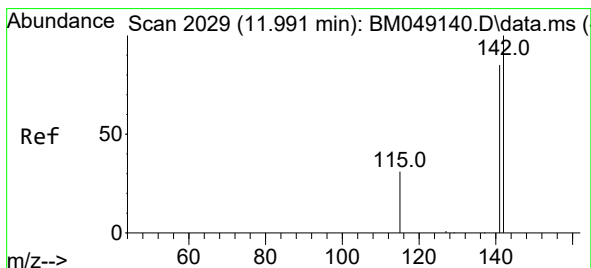
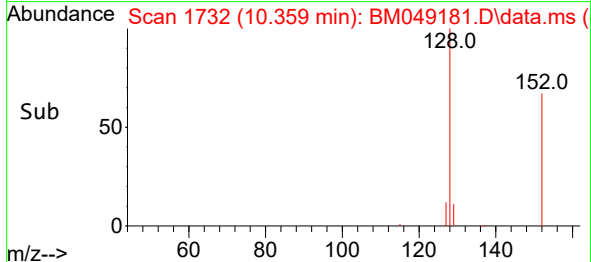
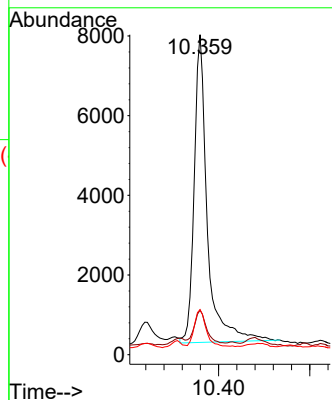
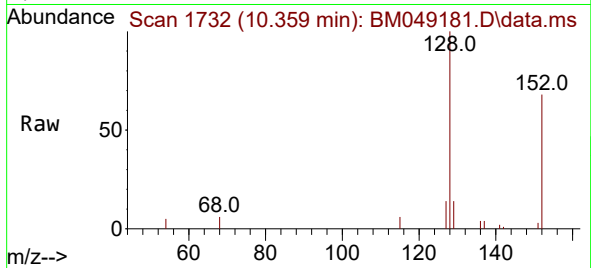
Tgt Ion:128 Resp: 15408

Ion Ratio Lower Upper

128 100

129 13.9 9.7 14.5

127 14.1 10.6 16.0



#7

2-Methylnaphthalene

Concen: 0.127 ng/ul

RT: 11.981 min Scan# 2027

Delta R.T. -0.021 min

Lab File: BM049181.D

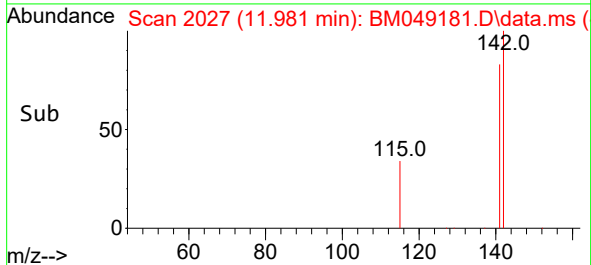
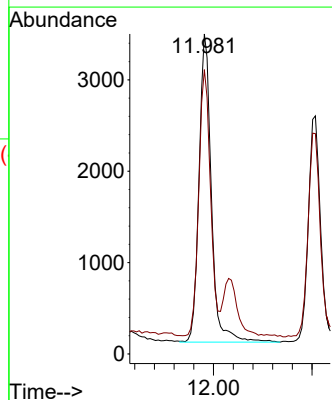
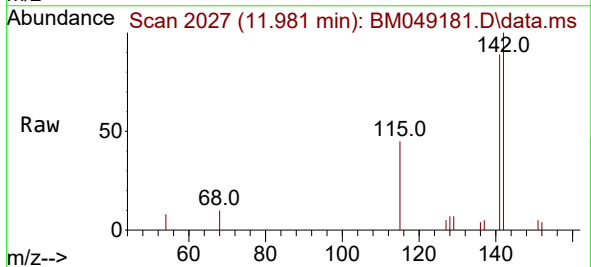
Acq: 24 Dec 2024 12:57

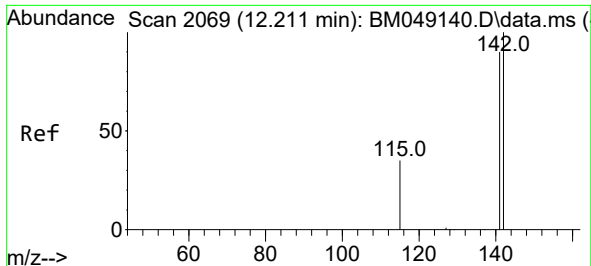
Tgt Ion:142 Resp: 5852

Ion Ratio Lower Upper

142 100

141 83.0 71.7 107.5

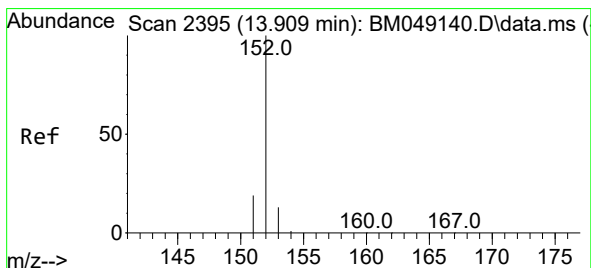
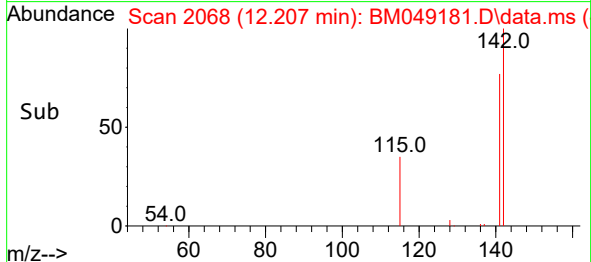
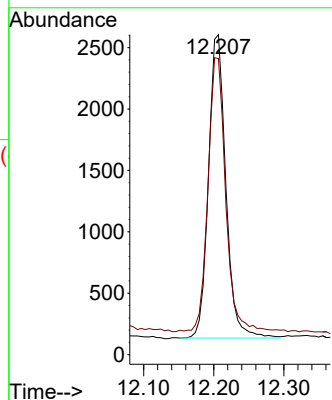
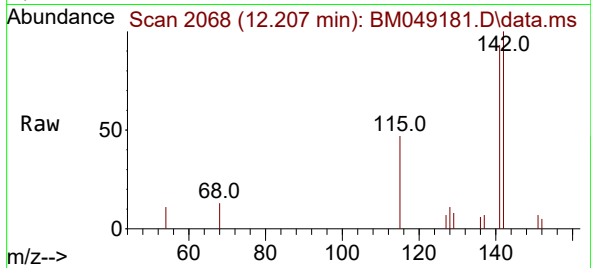




#8
1-Methylnaphthalene
Concen: 0.090 ng/ul
RT: 12.207 min Scan# 2068
Delta R.T. -0.015 min
Lab File: BM049181.D
Acq: 24 Dec 2024 12:57

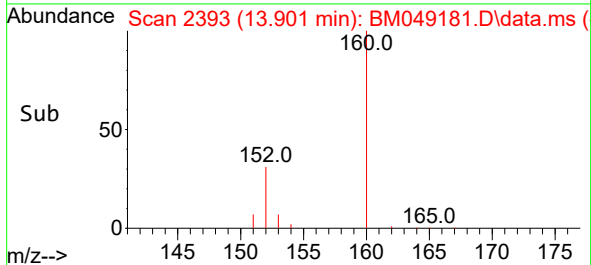
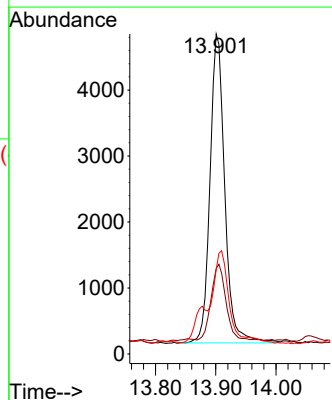
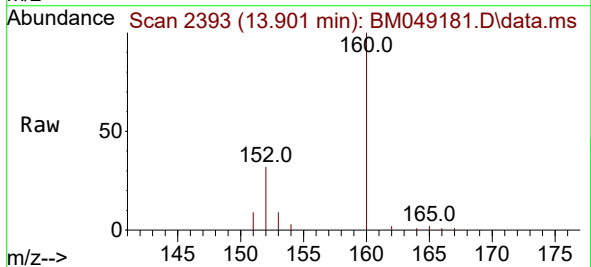
Instrument :
BNA_M
ClientSampleId :
E2911

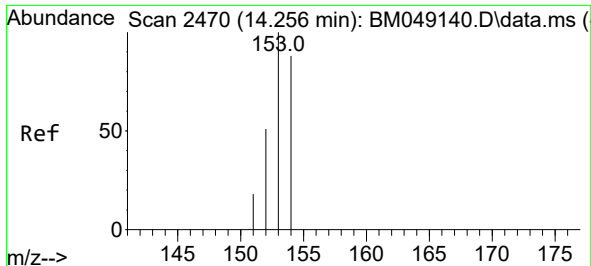
Tgt Ion:142 Resp: 4261
Ion Ratio Lower Upper
142 100
141 99.2 72.7 109.1



#10
Acenaphthylene
Concen: 0.118 ng/ul
RT: 13.901 min Scan# 2393
Delta R.T. -0.017 min
Lab File: BM049181.D
Acq: 24 Dec 2024 12:57

Tgt Ion:152 Resp: 7989
Ion Ratio Lower Upper
152 100
151 26.7 16.0 24.0#
153 26.4 11.0 16.6#

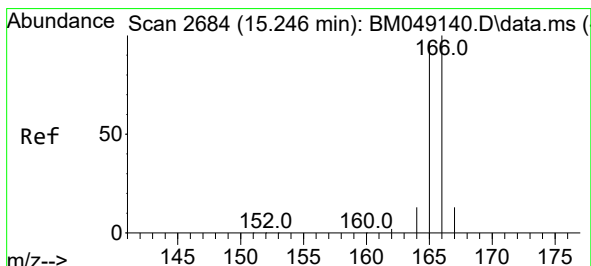
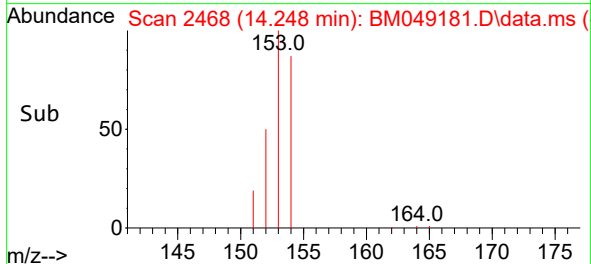
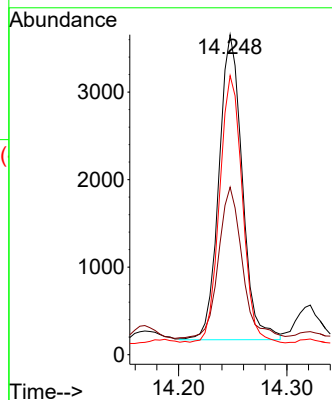
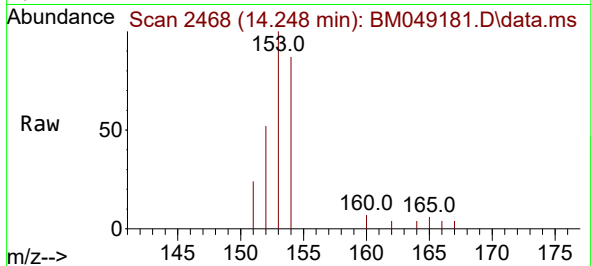




#11
Acenaphthene
Concen: 0.105 ng/ul
RT: 14.248 min Scan# 2470
Delta R.T. -0.017 min
Lab File: BM049181.D
Acq: 24 Dec 2024 12:57

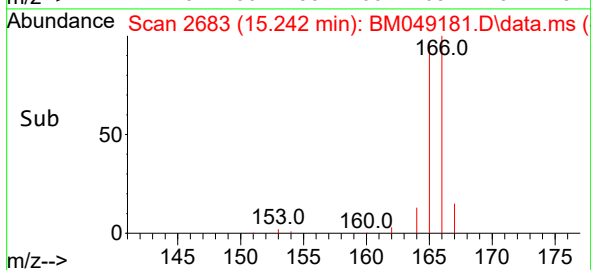
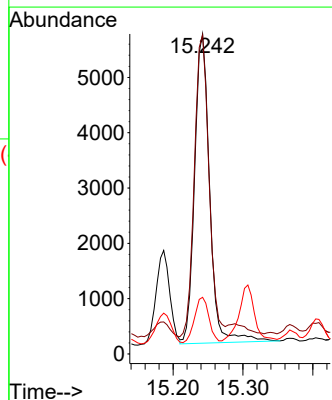
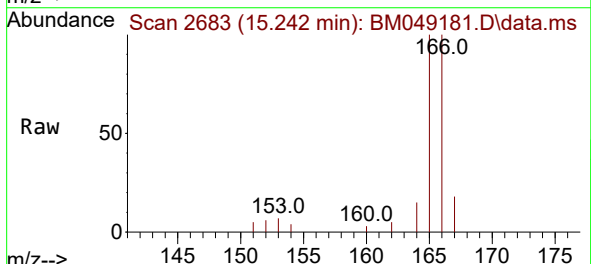
Instrument :
BNA_M
ClientSampleId :
E2911

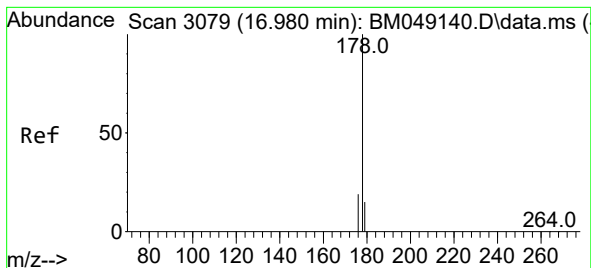
Tgt Ion:153 Resp: 5227
Ion Ratio Lower Upper
153 100
152 52.4 40.7 61.1
154 87.2 70.8 106.2



#12
Fluorene
Concen: 0.150 ng/ul
RT: 15.242 min Scan# 2683
Delta R.T. -0.013 min
Lab File: BM049181.D
Acq: 24 Dec 2024 12:57

Tgt Ion:166 Resp: 8372
Ion Ratio Lower Upper
166 100
165 99.7 79.7 119.5
167 17.7 11.4 17.0#





#15

Phenanthrene

Concen: 1.423 ng/ul

RT: 16.976 min Scan# 3078

Delta R.T. -0.016 min

Lab File: BM049181.D

Acq: 24 Dec 2024 12:57

Instrument :

BNA_M

ClientSampleId :

E2911

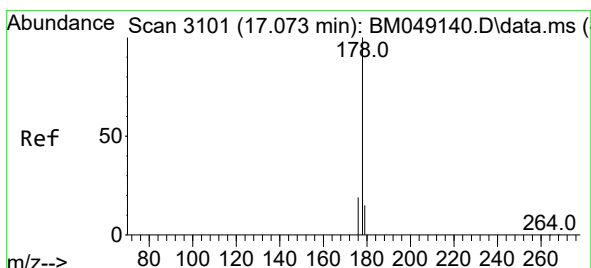
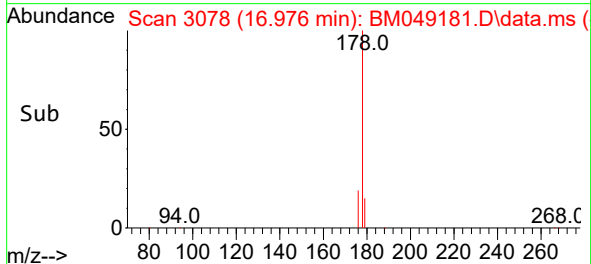
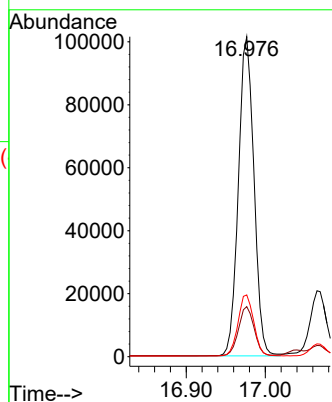
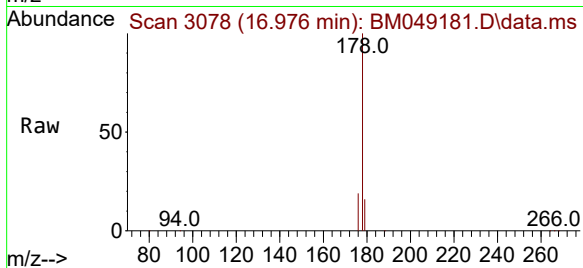
Tgt Ion:178 Resp: 137968

Ion Ratio Lower Upper

178 100

179 15.7 13.0 19.4

176 19.3 16.2 24.2



#16

Anthracene

Concen: 0.325 ng/ul

RT: 17.065 min Scan# 3099

Delta R.T. -0.020 min

Lab File: BM049181.D

Acq: 24 Dec 2024 12:57

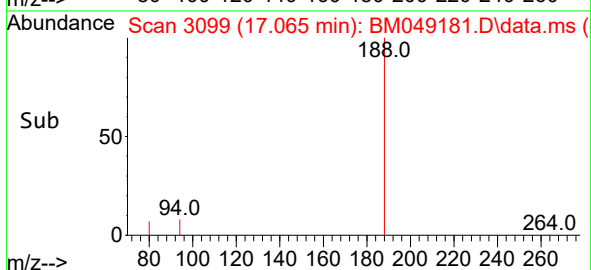
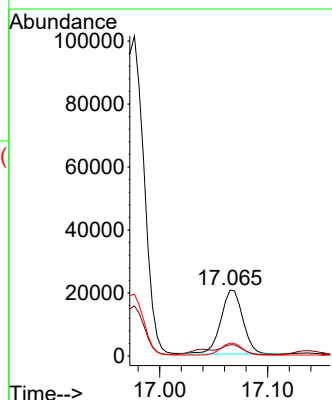
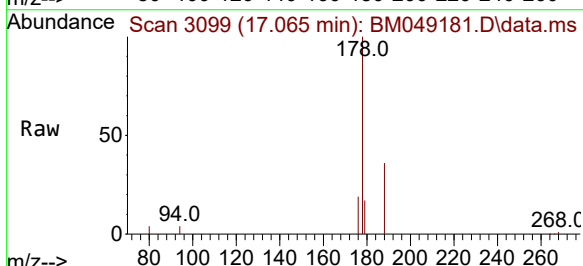
Tgt Ion:178 Resp: 28896

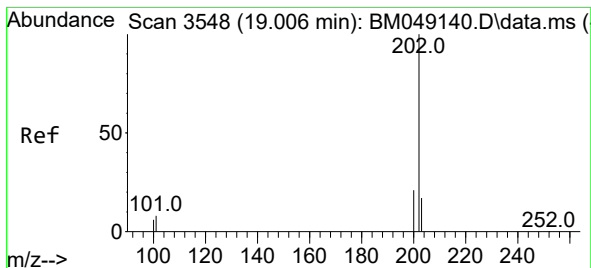
Ion Ratio Lower Upper

178 100

179 17.1 12.9 19.3

176 19.5 15.3 22.9





#19

Fluoranthene

Concen: 2.098 ng/ul

RT: 19.002 min Scan# 3

Delta R.T. -0.013 min

Lab File: BM049181.D

Acq: 24 Dec 2024 12:57

Instrument :

BNA_M

ClientSampleId :

E2911

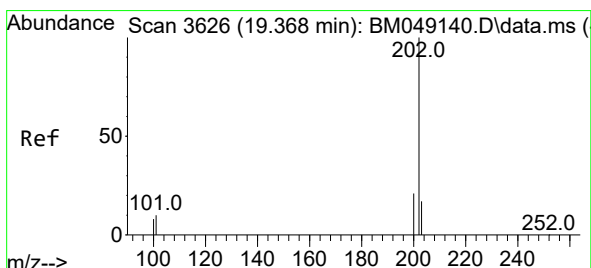
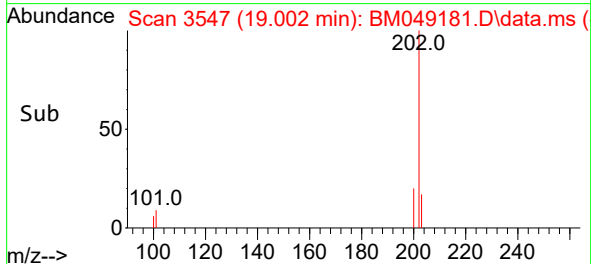
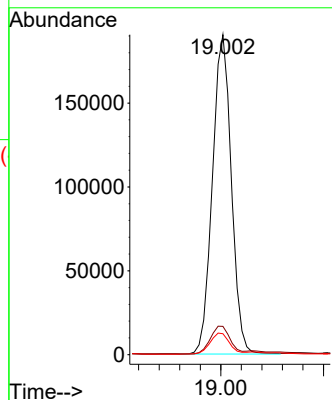
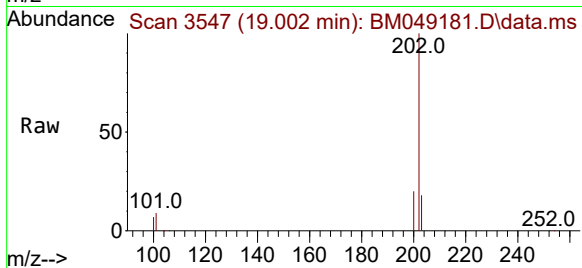
Tgt Ion:202 Resp: 243280

Ion Ratio Lower Upper

202 100

101 8.9 7.6 11.4

100 6.6 5.5 8.3



#20

Pyrene

Concen: 1.680 ng/ul

RT: 19.364 min Scan# 3625

Delta R.T. -0.013 min

Lab File: BM049181.D

Acq: 24 Dec 2024 12:57

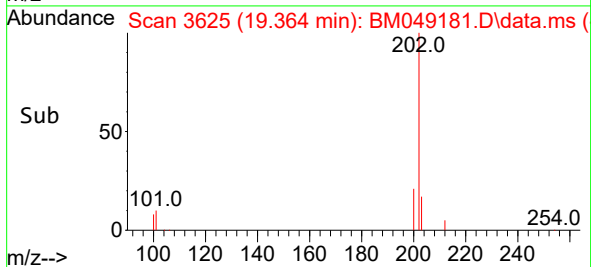
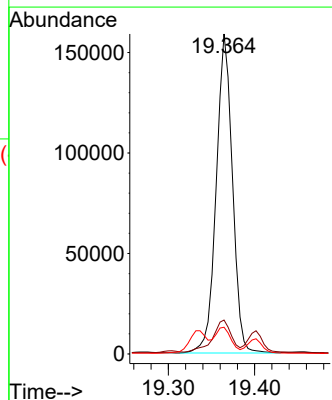
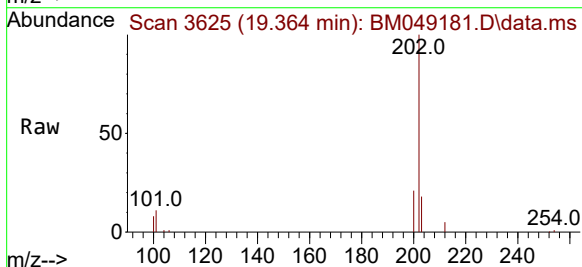
Tgt Ion:202 Resp: 207797

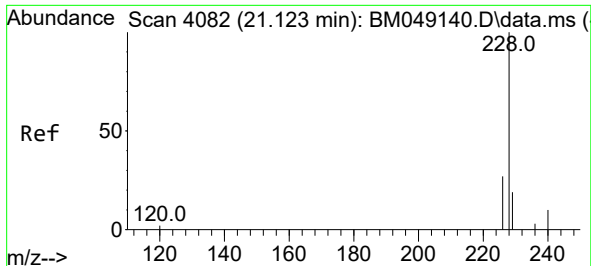
Ion Ratio Lower Upper

202 100

101 10.6 8.9 13.3

100 8.4 6.9 10.3

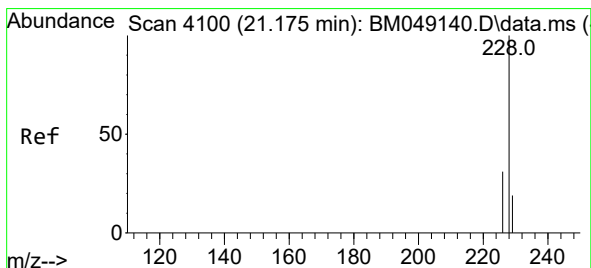
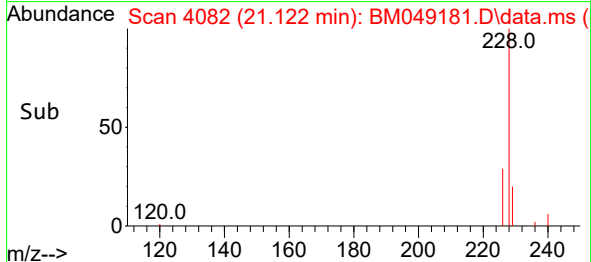
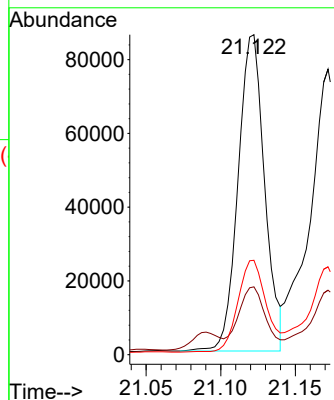
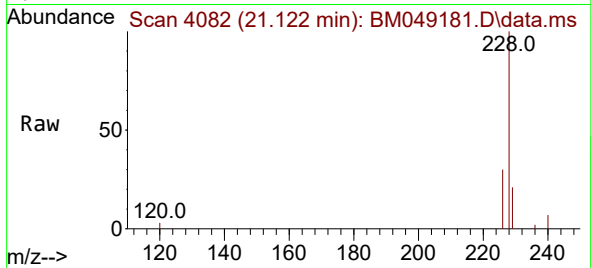




#21
Benzo(a)anthracene
Concen: 0.952 ng/ul
RT: 21.122 min Scan# 4098
Delta R.T. -0.009 min
Lab File: BM049181.D
Acq: 24 Dec 2024 12:57

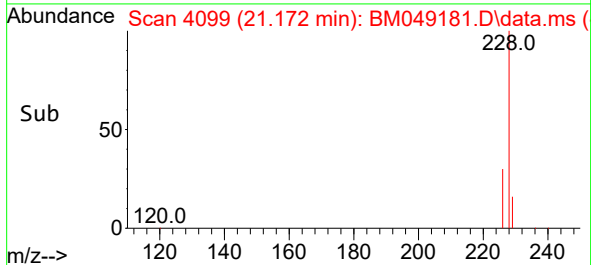
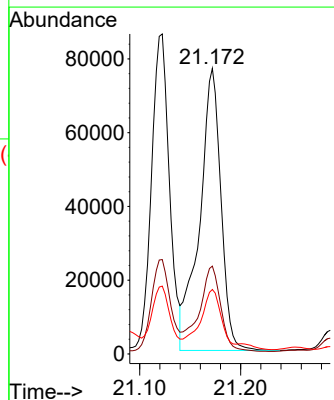
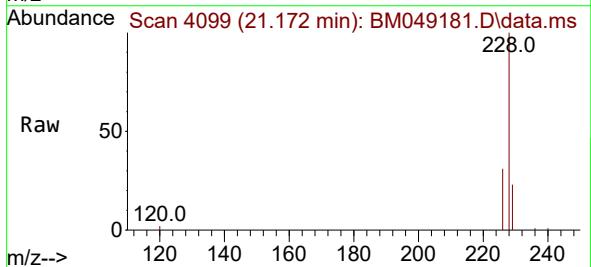
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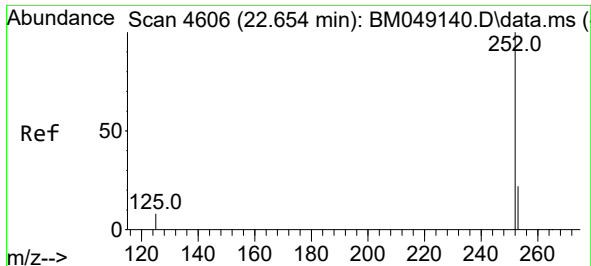
Tgt Ion:228 Resp: 106144
Ion Ratio Lower Upper
228 100
229 21.2 15.9 23.9
226 29.5 22.6 34.0



#22
Chrysene
Concen: 0.940 ng/ul
RT: 21.172 min Scan# 4099
Delta R.T. -0.012 min
Lab File: BM049181.D
Acq: 24 Dec 2024 12:57

Tgt Ion:228 Resp: 112504
Ion Ratio Lower Upper
228 100
226 30.8 24.1 36.1
229 22.6 15.8 23.8

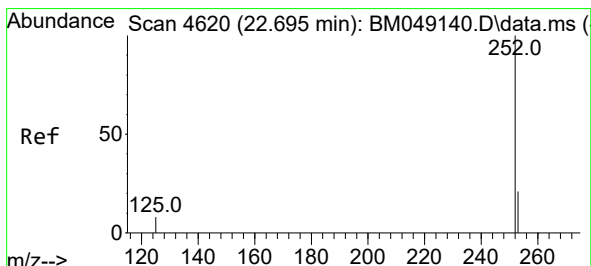
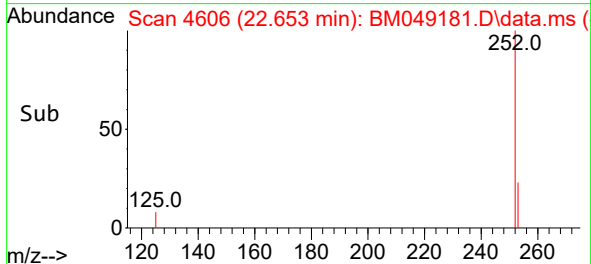
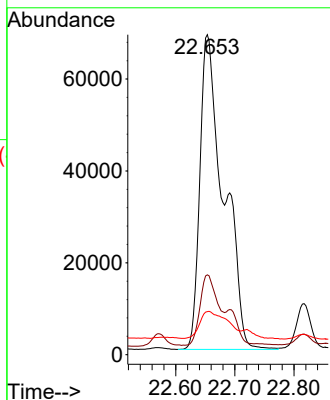
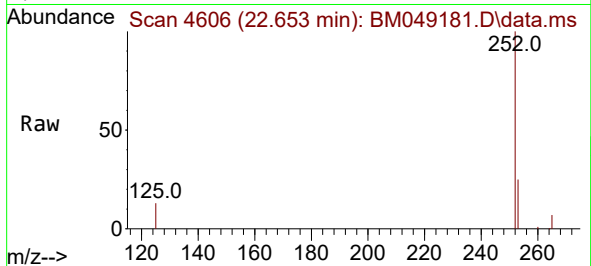




#24
Benzo(b)fluoranthene
Concen: 1.688 ng/ul
RT: 22.653 min Scan# 4606
Delta R.T. -0.009 min
Lab File: BM049181.D
Acq: 24 Dec 2024 12:57

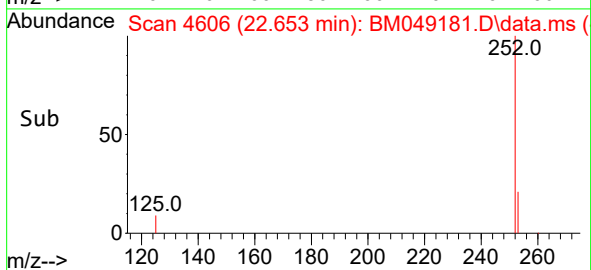
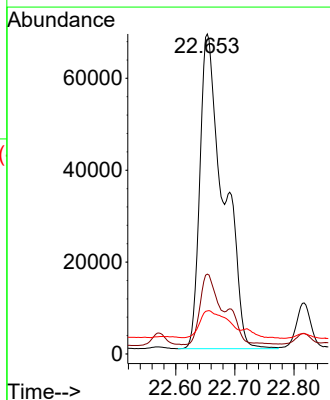
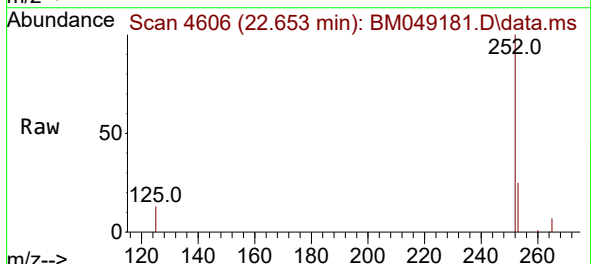
Instrument :
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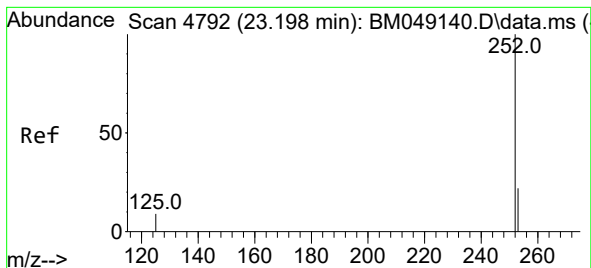
Tgt Ion:252 Resp: 191170
Ion Ratio Lower Upper
252 100
253 25.0 0.0 52.6
125 13.4 0.0 30.8



#25
Benzo(k)fluoranthene
Concen: 1.539 ng/ul
RT: 22.653 min Scan# 4606
Delta R.T. -0.053 min
Lab File: BM049181.D
Acq: 24 Dec 2024 12:57

Tgt Ion:252 Resp: 191170
Ion Ratio Lower Upper
252 100
253 25.0 21.3 31.9
125 13.4 12.6 18.8





#26

Benzo(a)pyrene

Concen: 0.712 ng/ul

RT: 23.107 min Scan# 4792

Delta R.T. -0.103 min

Lab File: BM049181.D

Acq: 24 Dec 2024 12:57

Instrument :

BNA_M

ClientSampleId :

E2911

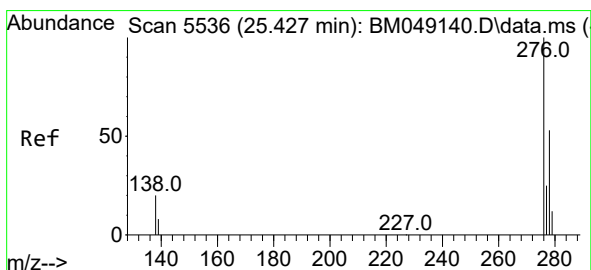
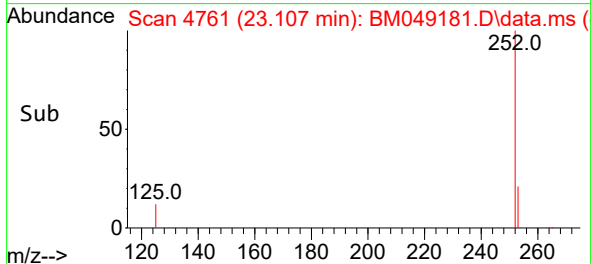
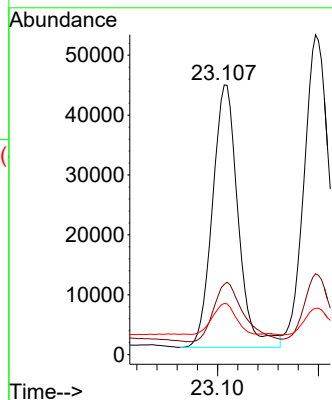
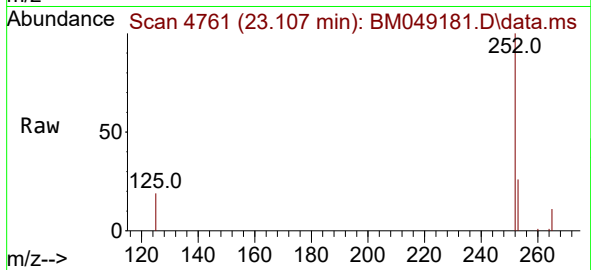
Tgt Ion:252 Resp: 77324

Ion Ratio Lower Upper

252 100

253 26.0 22.4 33.6

125 19.0 14.8 22.2



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.465 ng/ul

RT: 25.427 min Scan# 5536

Delta R.T. -0.021 min

Lab File: BM049181.D

Acq: 24 Dec 2024 12:57

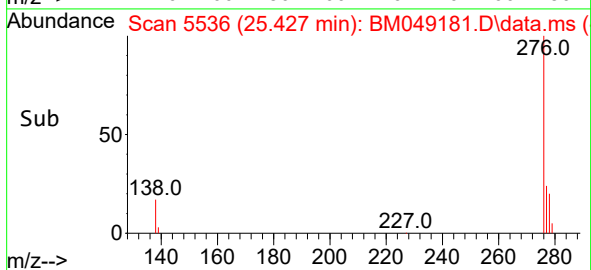
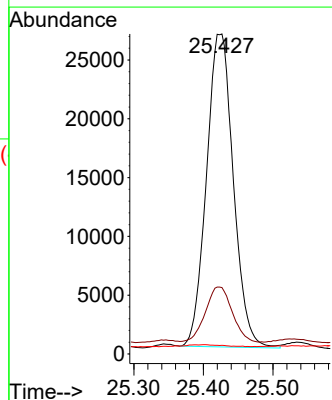
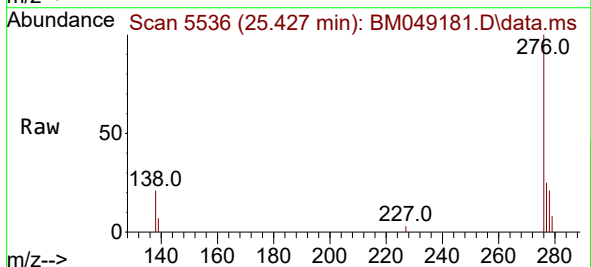
Tgt Ion:276 Resp: 71526

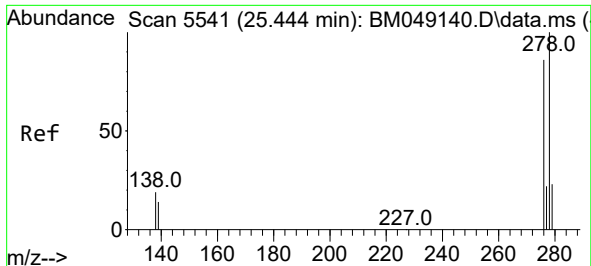
Ion Ratio Lower Upper

276 100

138 18.1 17.4 26.2

227 0.0 0.2 0.2#

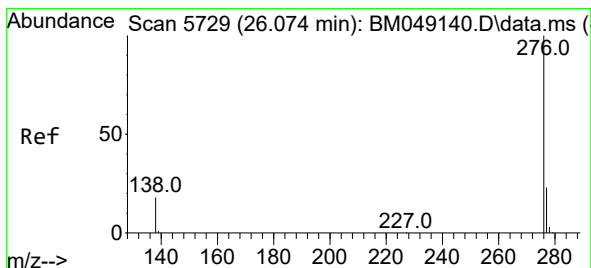
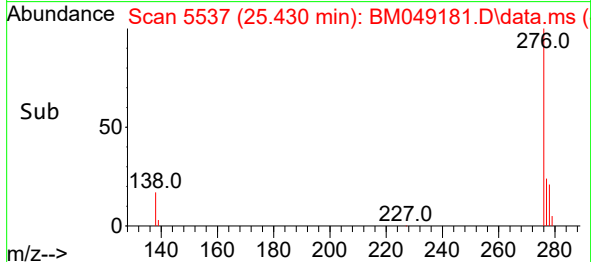
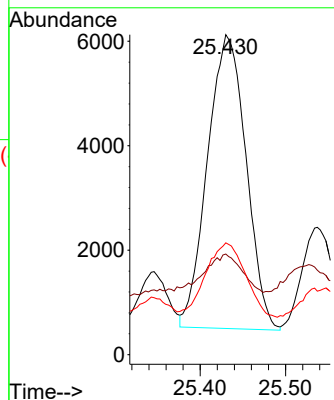
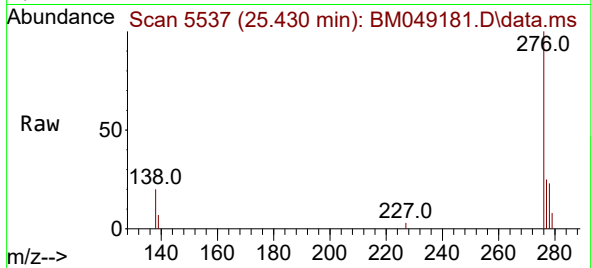




#28
Dibenzo(a,h)anthracene
Concen: 0.148 ng/ul
RT: 25.430 min Scan# 51
Delta R.T. -0.037 min
Lab File: BM049181.D
Acq: 24 Dec 2024 12:57

Instrument :
BNA_M
ClientSampleId :
E2911

Tgt Ion:278 Resp: 17642
Ion Ratio Lower Upper
278 100
139 31.4 13.5 20.3#
279 34.9 21.5 32.3#



#29
Benzo(g,h,i)perylene
Concen: 0.652 ng/ul
RT: 26.074 min Scan# 5729
Delta R.T. -0.021 min
Lab File: BM049181.D
Acq: 24 Dec 2024 12:57

Tgt Ion:276 Resp: 80630
Ion Ratio Lower Upper
276 100
138 21.0 16.7 25.1
277 24.8 19.9 29.9

