

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049183.D
 Acq On : 24 Dec 2024 14:08
 Operator : RC/JU
 Sample : P5333-16
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2918

Quant Time: Dec 24 21:40:39 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

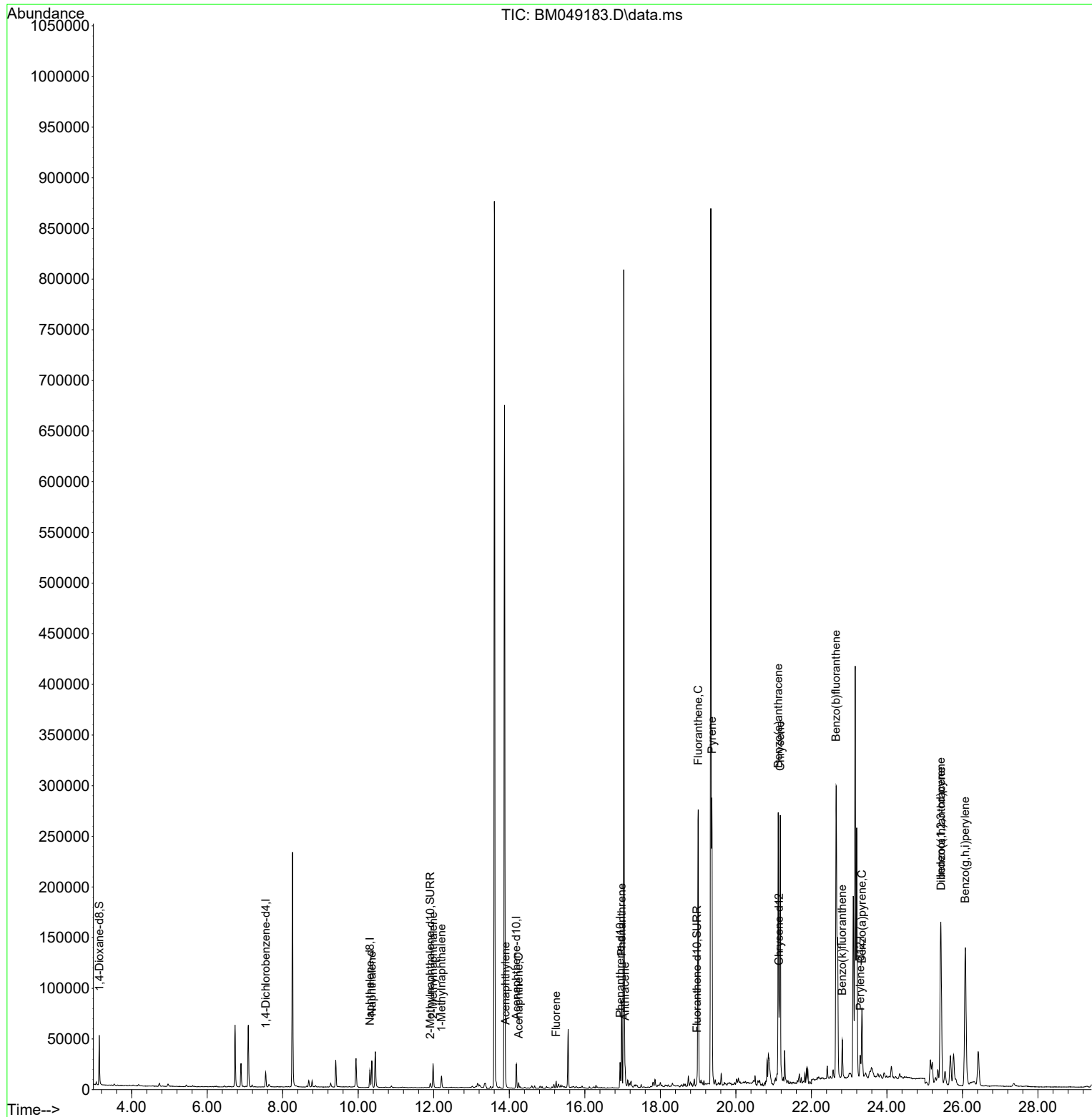
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.552	152	7097	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.310	136	22126	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.188	164	12600	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.934	188	28625	0.400	ng/ul	-0.02
17) Chrysene-d12	21.140	240	23706	0.400	ng/ul	0.00
23) Perylene-d12	23.294	264	27785	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.143	96	29278	3.577	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.910	152	5917	0.199	ng/ul	-0.02
18) Fluoranthene-d10	18.970	212	9616	0.143	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.359	128	20490	0.370	ng/ul	100
7) 2-Methylnaphthalene	11.981	142	18263	0.520	ng/ul	98
8) 1-Methylnaphthalene	12.207	142	8301	0.231	ng/ul	99
10) Acenaphthylene	13.901	152	4623	0.089	ng/ul#	88
11) Acenaphthene	14.248	153	3253	0.085	ng/ul	98
12) Fluorene	15.242	166	3524	0.082	ng/ul#	92
15) Phenanthrene	16.977	178	88191	1.180	ng/ul	98
16) Anthracene	17.065	178	15469	0.225	ng/ul	96
19) Fluoranthene	19.002	202	243629	2.842	ng/ul	99
20) Pyrene	19.365	202	247152	2.704	ng/ul	99
21) Benzo(a)anthracene	21.122	228	215244	2.610	ng/ul	98
22) Chrysene	21.175	228	254116	2.872	ng/ul	96
24) Benzo(b)fluoranthene	22.654	252	588497	6.630	ng/ul	91
25) Benzo(k)fluoranthene	22.817	252	43497	0.447	ng/ul	95
26) Benzo(a)pyrene	23.338	252	80876	0.950	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	25.427	276	252817	2.098	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.433	278	59522	0.636	ng/ul	99
29) Benzo(g,h,i)perylene	26.074	276	275973	2.848	ng/ul	97

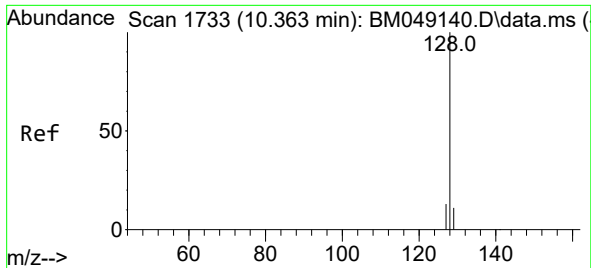
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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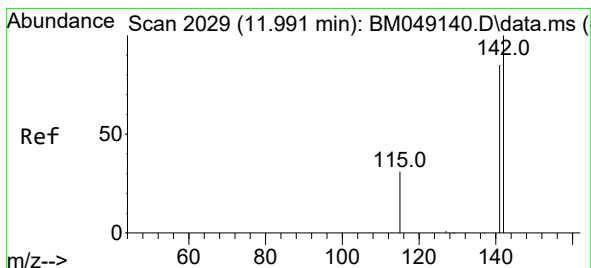
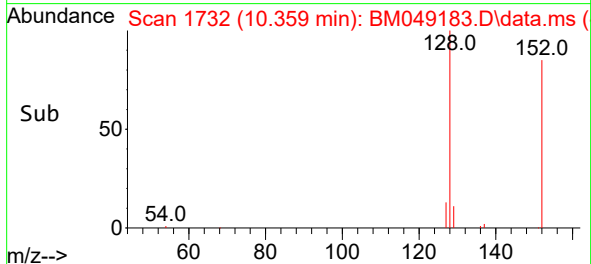
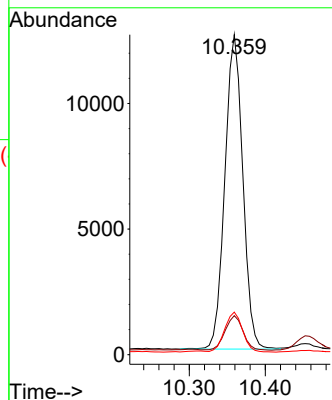
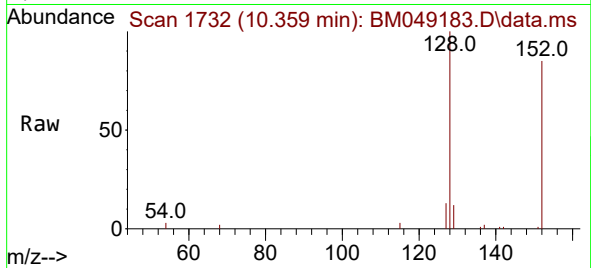




#5
Naphthalene
Concen: 0.370 ng/ul
RT: 10.359 min Scan# 1732
Delta R.T. -0.021 min
Lab File: BM049183.D
Acq: 24 Dec 2024 14:08

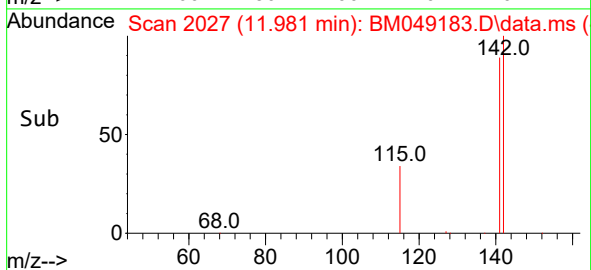
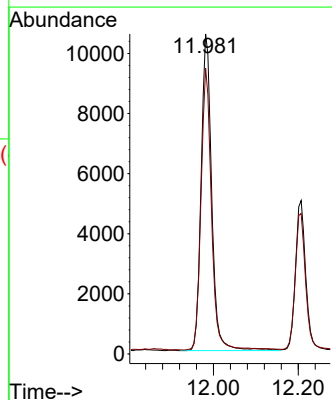
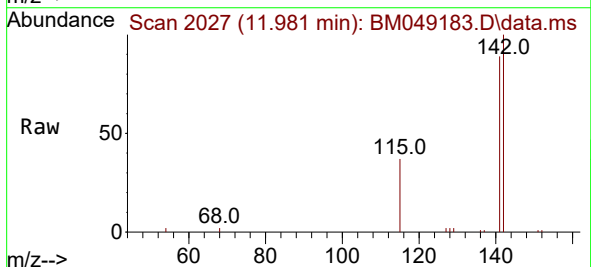
Instrument :
BNA_M
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E2918

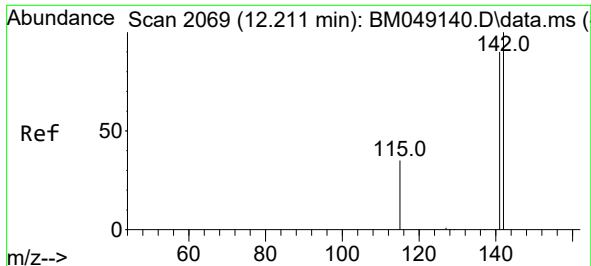
Tgt Ion:128 Resp: 20490
Ion Ratio Lower Upper
128 100
129 12.2 9.7 14.5
127 13.3 10.6 16.0



#7
2-Methylnaphthalene
Concen: 0.520 ng/ul
RT: 11.981 min Scan# 2027
Delta R.T. -0.021 min
Lab File: BM049183.D
Acq: 24 Dec 2024 14:08

Tgt Ion:142 Resp: 18263
Ion Ratio Lower Upper
142 100
141 88.1 71.7 107.5

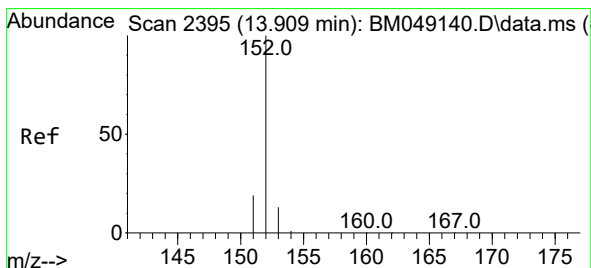
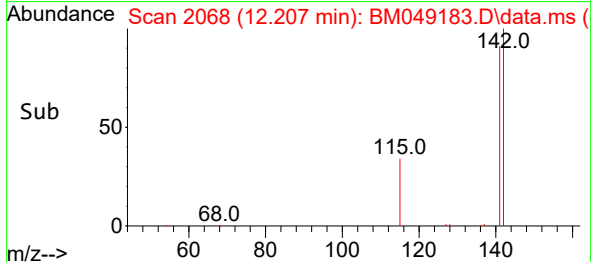
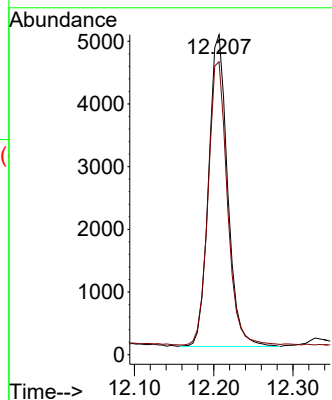
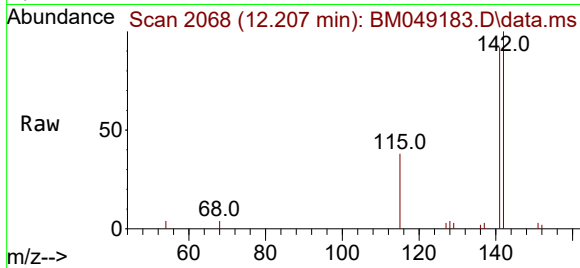




#8
1-Methylnaphthalene
Concen: 0.231 ng/ul
RT: 12.207 min Scan# 2069
Delta R.T. -0.015 min
Lab File: BM049183.D
Acq: 24 Dec 2024 14:08

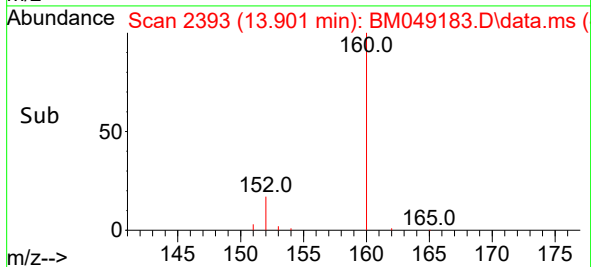
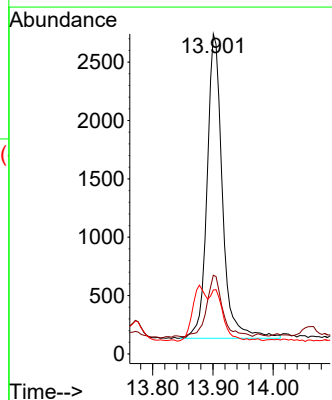
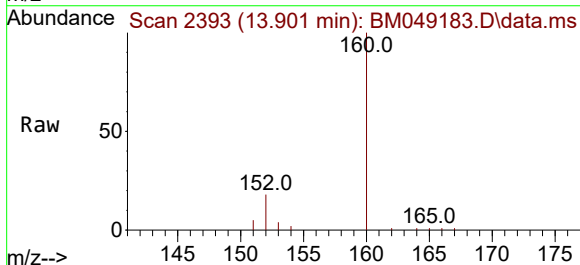
Instrument :
BNA_M
ClientSampleId :
E2918

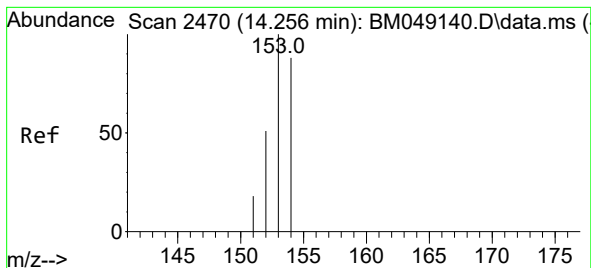
Tgt Ion:142 Resp: 8301
Ion Ratio Lower Upper
142 100
141 91.7 72.7 109.1



#10
Acenaphthylene
Concen: 0.089 ng/ul
RT: 13.901 min Scan# 2393
Delta R.T. -0.017 min
Lab File: BM049183.D
Acq: 24 Dec 2024 14:08

Tgt Ion:152 Resp: 4623
Ion Ratio Lower Upper
152 100
151 24.6 16.0 24.0#
153 20.0 11.0 16.6#





#11

Acenaphthene

Concen: 0.085 ng/ul

RT: 14.248 min Scan# 2470

Delta R.T. -0.017 min

Lab File: BM049183.D

Acq: 24 Dec 2024 14:08

Instrument :

BNA_M

ClientSampleId :

E2918

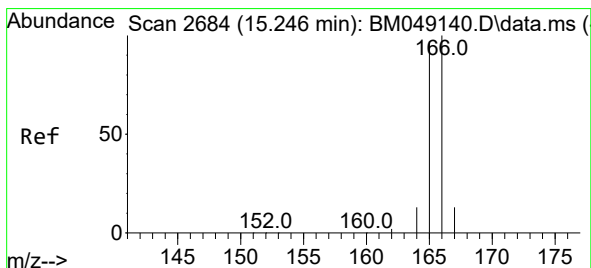
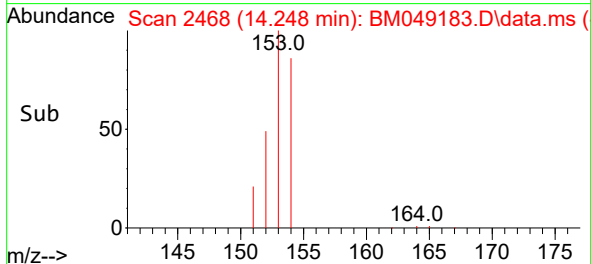
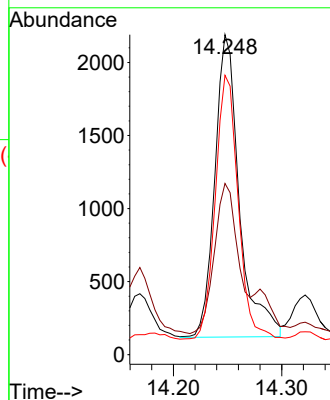
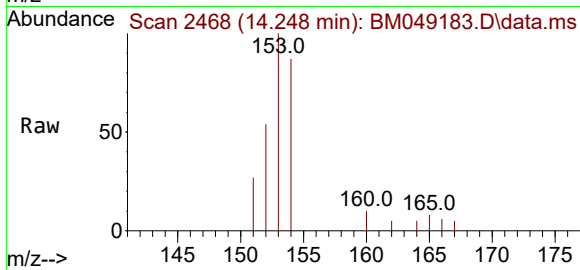
Tgt Ion:153 Resp: 3253

Ion Ratio Lower Upper

153 100

152 53.5 40.7 61.1

154 87.3 70.8 106.2



#12

Fluorene

Concen: 0.082 ng/ul

RT: 15.242 min Scan# 2683

Delta R.T. -0.012 min

Lab File: BM049183.D

Acq: 24 Dec 2024 14:08

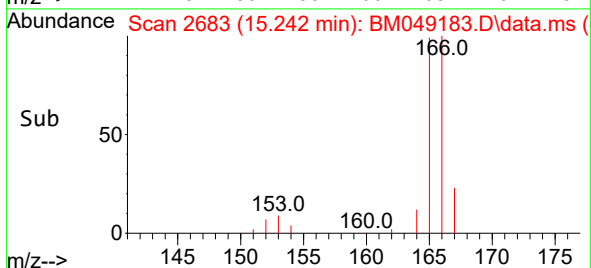
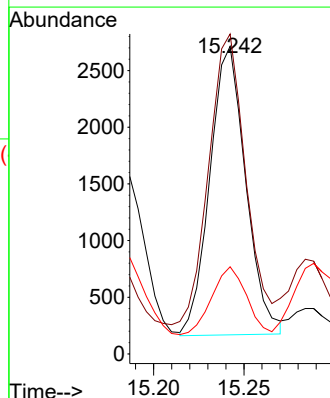
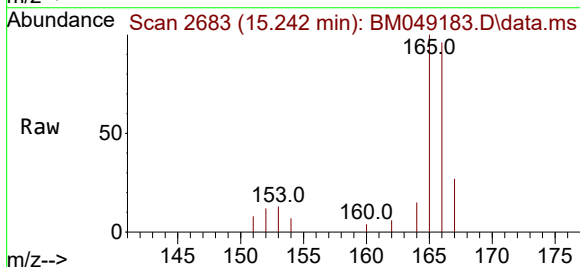
Tgt Ion:166 Resp: 3524

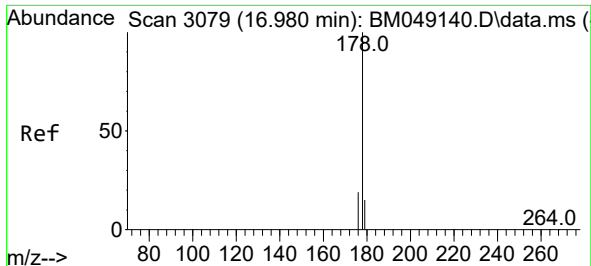
Ion Ratio Lower Upper

166 100

165 104.0 79.7 119.5

167 28.3 11.4 17.0#

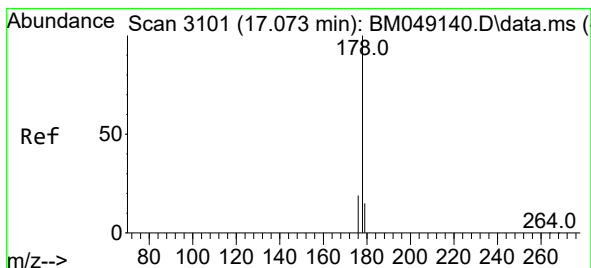
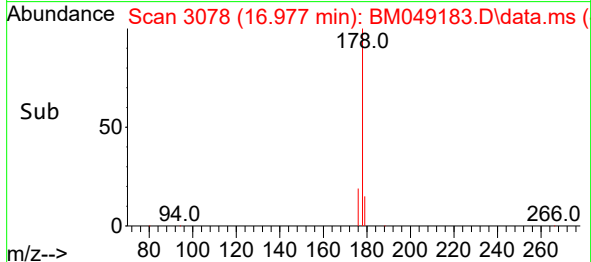
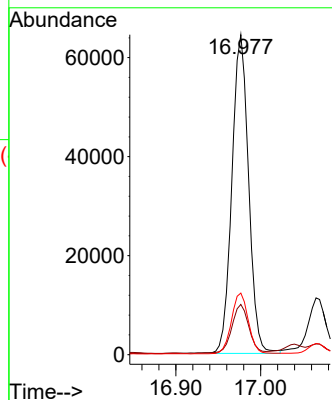
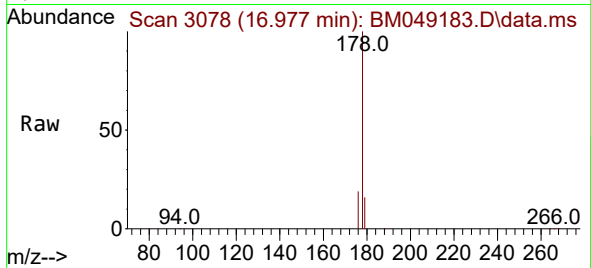




#15
Phenanthrene
Concen: 1.180 ng/ul
RT: 16.977 min Scan# 3078
Delta R.T. -0.016 min
Lab File: BM049183.D
Acq: 24 Dec 2024 14:08

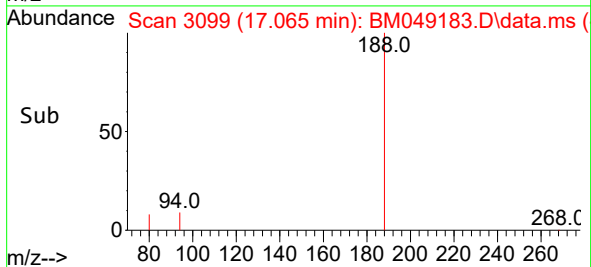
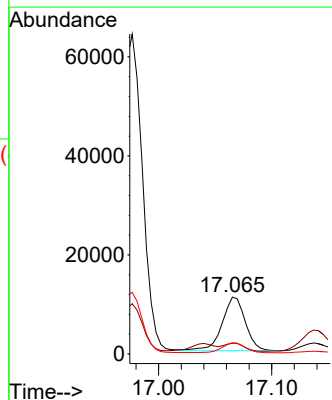
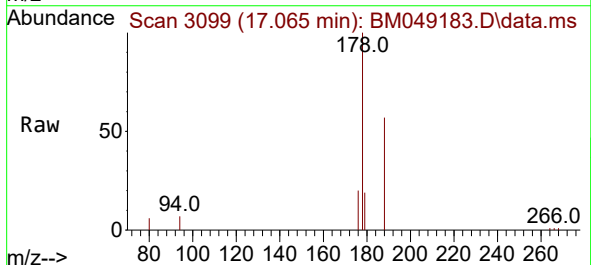
Instrument :
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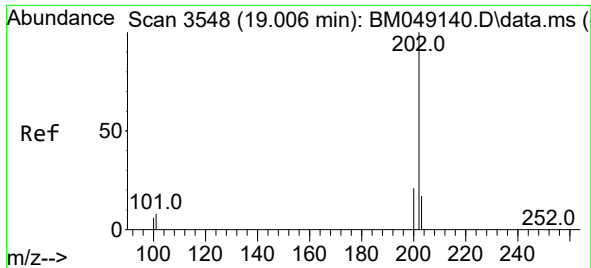
Tgt Ion:178 Resp: 88191
Ion Ratio Lower Upper
178 100
179 15.7 13.0 19.4
176 19.3 16.2 24.2



#16
Anthracene
Concen: 0.225 ng/ul
RT: 17.065 min Scan# 3099
Delta R.T. -0.020 min
Lab File: BM049183.D
Acq: 24 Dec 2024 14:08

Tgt Ion:178 Resp: 15469
Ion Ratio Lower Upper
178 100
179 18.9 12.9 19.3
176 19.8 15.3 22.9

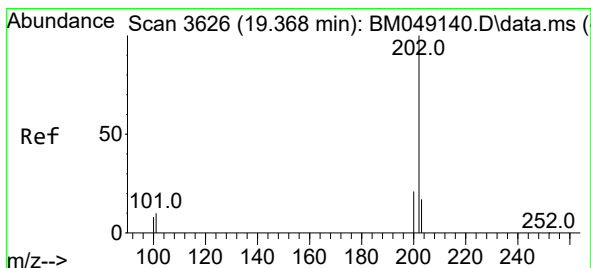
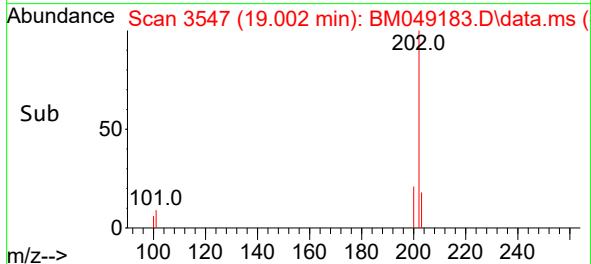
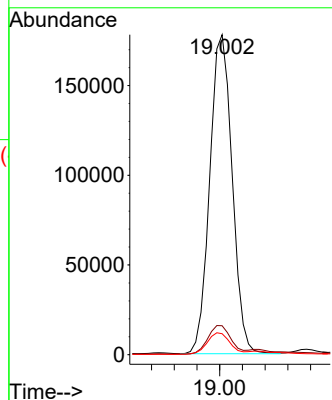
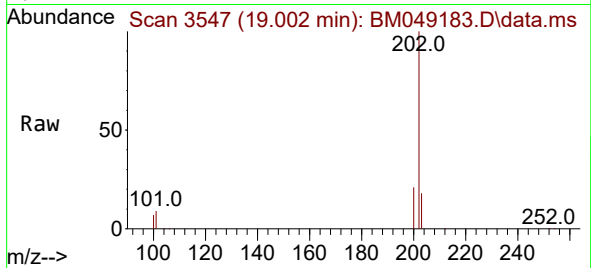




#19
Fluoranthene
Concen: 2.842 ng/ul
RT: 19.002 min Scan# 3548
Delta R.T. -0.013 min
Lab File: BM049183.D
Acq: 24 Dec 2024 14:08

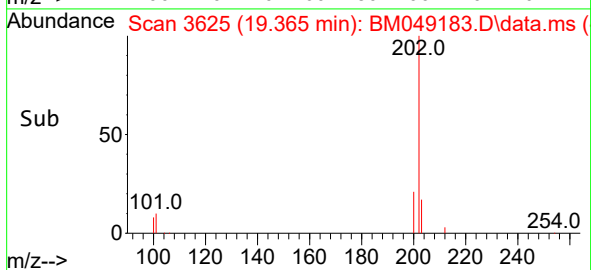
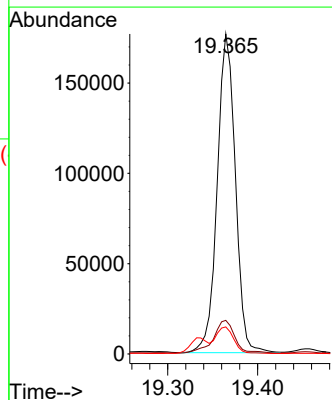
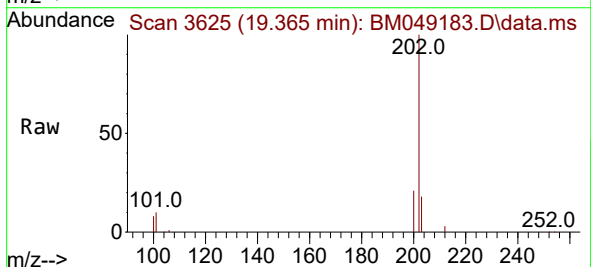
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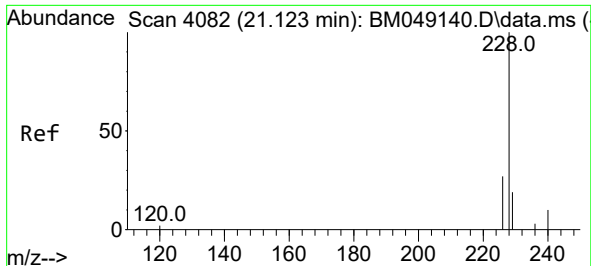
Tgt Ion:202 Resp: 243629
Ion Ratio Lower Upper
202 100
101 9.0 7.6 11.4
100 6.6 5.5 8.3



#20
Pyrene
Concen: 2.704 ng/ul
RT: 19.365 min Scan# 3625
Delta R.T. -0.013 min
Lab File: BM049183.D
Acq: 24 Dec 2024 14:08

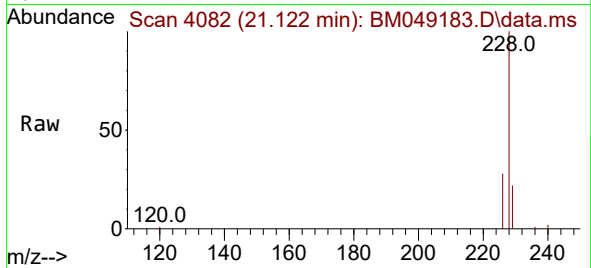
Tgt Ion:202 Resp: 247152
Ion Ratio Lower Upper
202 100
101 10.5 8.9 13.3
100 8.4 6.9 10.3



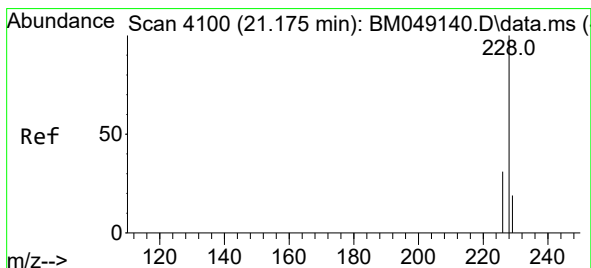
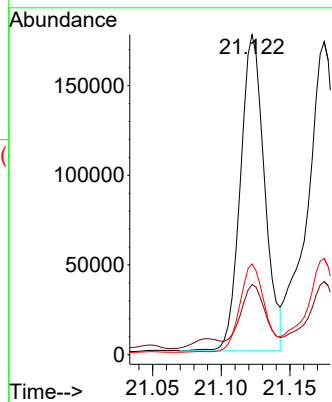
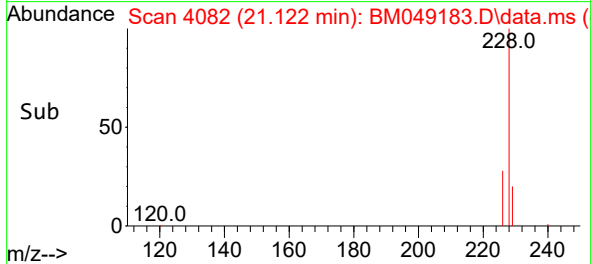


#21
Benzo(a)anthracene
Concen: 2.610 ng/ul
RT: 21.122 min Scan# 4082
Delta R.T. -0.009 min
Lab File: BM049183.D
Acq: 24 Dec 2024 14:08

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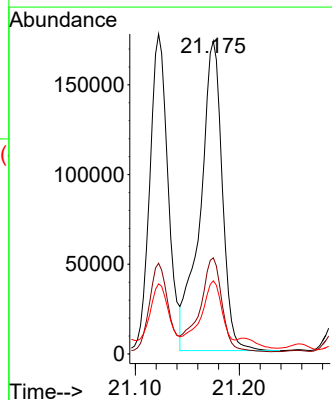
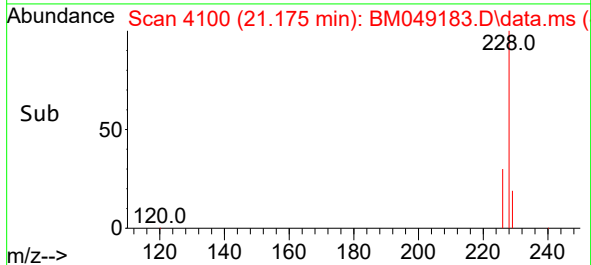
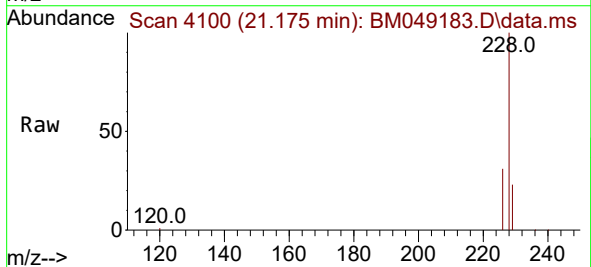


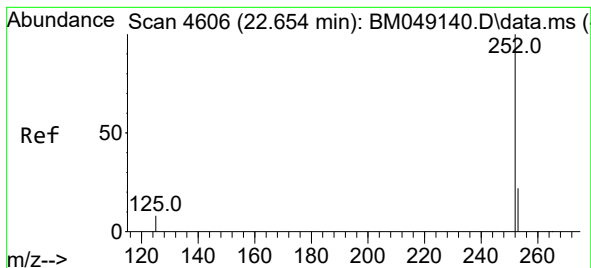
Tgt Ion:228 Resp: 215244
Ion Ratio Lower Upper
228 100
229 21.9 15.9 23.9
226 28.3 22.6 34.0



#22
Chrysene
Concen: 2.872 ng/ul
RT: 21.175 min Scan# 4100
Delta R.T. -0.009 min
Lab File: BM049183.D
Acq: 24 Dec 2024 14:08

Tgt Ion:228 Resp: 254116
Ion Ratio Lower Upper
228 100
226 30.7 24.1 36.1
229 23.4 15.8 23.8





#24

Benzo(b)fluoranthene

Concen: 6.630 ng/ul

RT: 22.654 min Scan# 4606

Delta R.T. -0.009 min

Lab File: BM049183.D

Acq: 24 Dec 2024 14:08

Instrument :

BNA_M

ClientSampleId :

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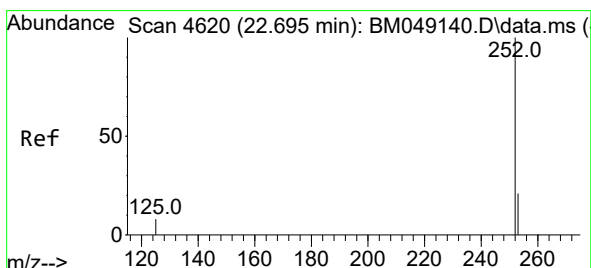
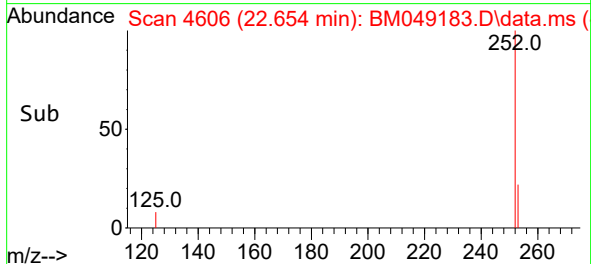
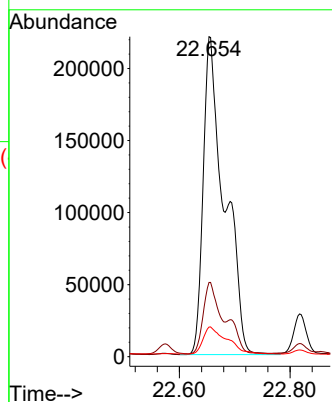
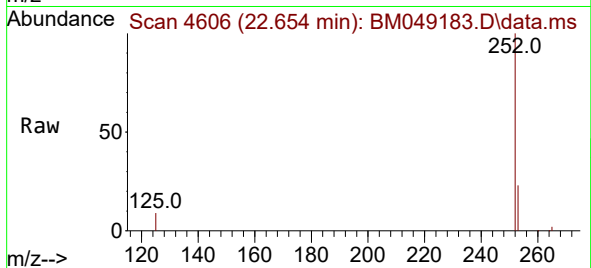
Tgt Ion:252 Resp: 588497

Ion Ratio Lower Upper

252 100

253 23.2 0.0 52.6

125 9.2 0.0 30.8



#25

Benzo(k)fluoranthene

Concen: 0.447 ng/ul

RT: 22.817 min Scan# 4662

Delta R.T. 0.111 min

Lab File: BM049183.D

Acq: 24 Dec 2024 14:08

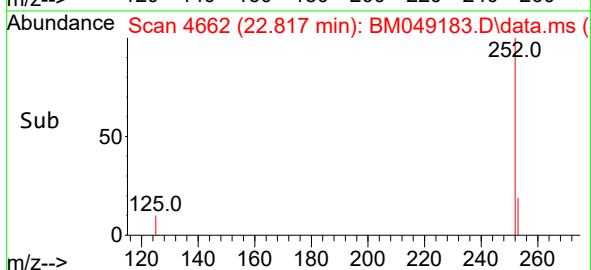
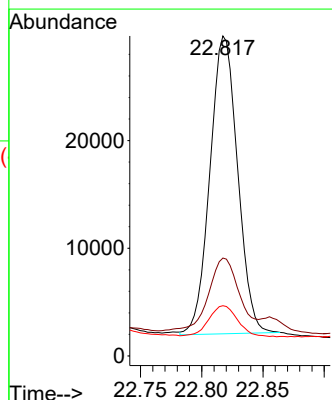
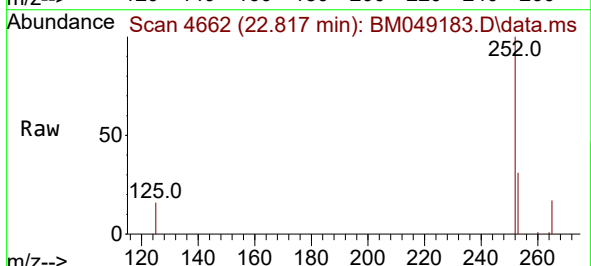
Tgt Ion:252 Resp: 43497

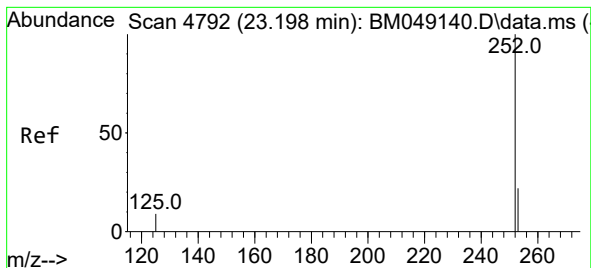
Ion Ratio Lower Upper

252 100

253 30.6 21.3 31.9

125 15.7 12.6 18.8





#26

Benzo(a)pyrene

Concen: 0.950 ng/ul

RT: 23.338 min Scan# 41

Delta R.T. 0.128 min

Lab File: BM049183.D

Acq: 24 Dec 2024 14:08

Instrument :

BNA_M

ClientSampleId :

E2918

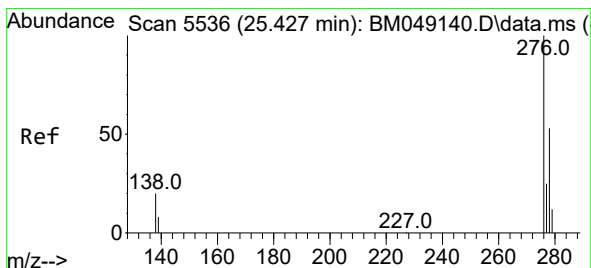
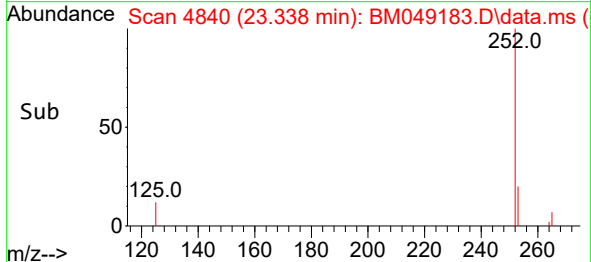
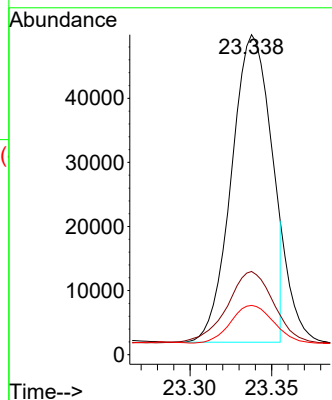
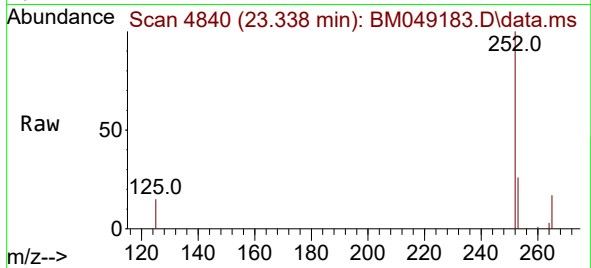
Tgt Ion:252 Resp: 80876

Ion Ratio Lower Upper

252 100

253 26.0 22.4 33.6

125 15.4 14.8 22.2



#27

Indeno(1,2,3-cd)pyrene

Concen: 2.098 ng/ul

RT: 25.427 min Scan# 5536

Delta R.T. -0.020 min

Lab File: BM049183.D

Acq: 24 Dec 2024 14:08

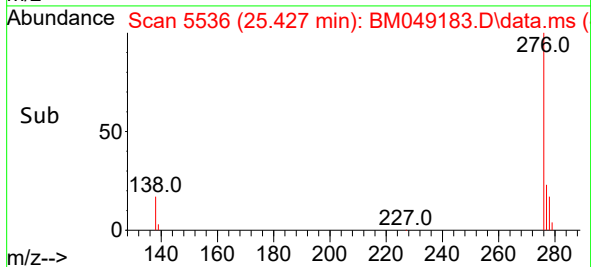
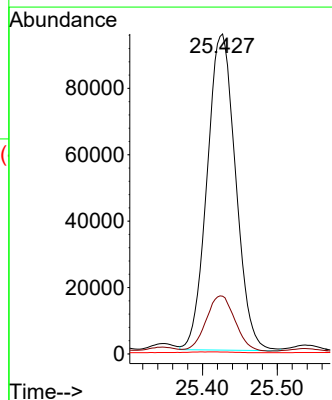
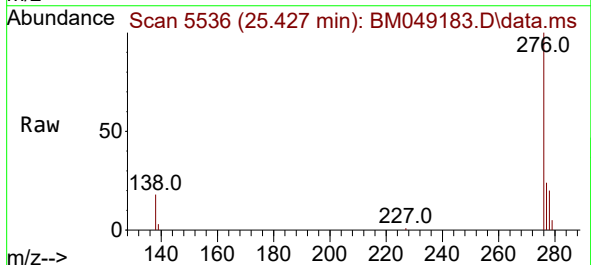
Tgt Ion:276 Resp: 252817

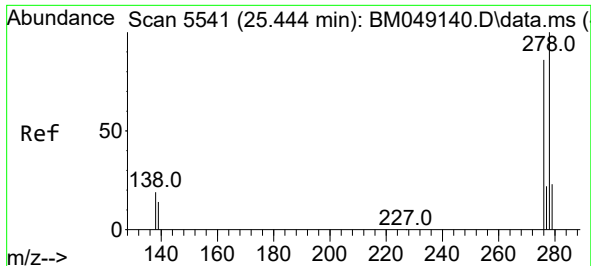
Ion Ratio Lower Upper

276 100

138 17.7 17.4 26.2

227 0.4 0.2 0.2#

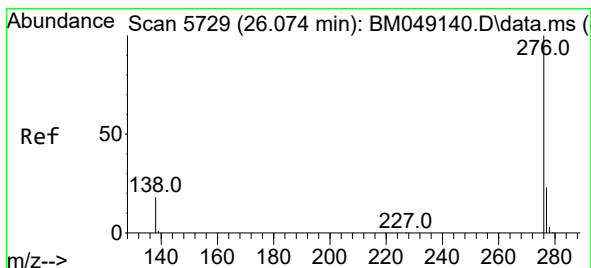
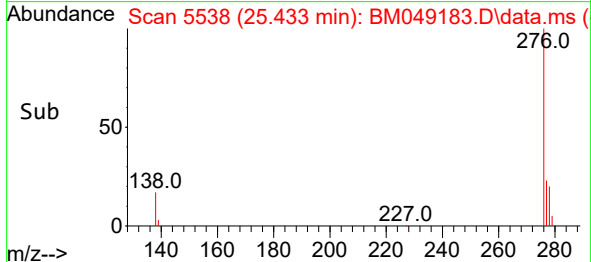
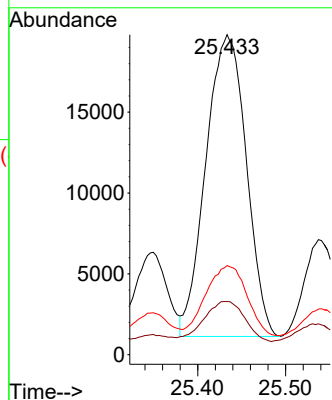
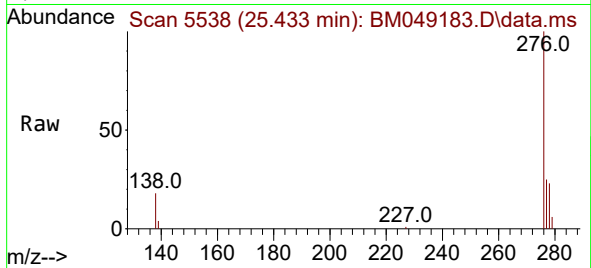




#28
Dibenzo(a,h)anthracene
Concen: 0.636 ng/ul
RT: 25.433 min Scan# 51
Delta R.T. -0.034 min
Lab File: BM049183.D
Acq: 24 Dec 2024 14:08

Instrument :
BNA_M
ClientSampleId :
E2918

Tgt Ion:278 Resp: 59522
Ion Ratio Lower Upper
278 100
139 16.6 13.5 20.3
279 27.9 21.5 32.3



#29
Benzo(g,h,i)perylene
Concen: 2.848 ng/ul
RT: 26.074 min Scan# 5729
Delta R.T. -0.020 min
Lab File: BM049183.D
Acq: 24 Dec 2024 14:08

Tgt Ion:276 Resp: 275973
Ion Ratio Lower Upper
276 100
138 18.6 16.7 25.1
277 24.0 19.9 29.9

