

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071124\
 Data File : BM046517.D
 Acq On : 11 Jul 2024 14:45
 Operator : MA/JU
 Sample : P3109-08MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

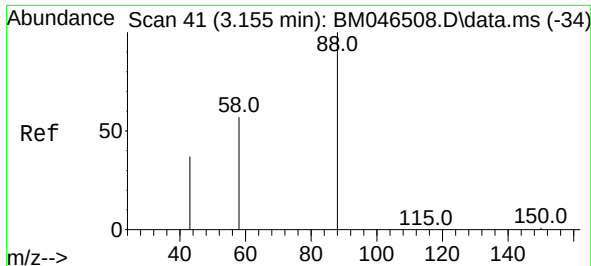
Instrument :
 BNA_M
 ClientSampleId :
 H0HC4MSD

Quant Time: Jul 12 04:21:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 04:18:37 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.514	152	3243	0.400	ng/ul	0.00
4) Naphthalene-d8	10.277	136	8896	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.155	164	15229	0.400	ng/ul #	0.00
13) Phenanthrene-d10	16.913	188	15691	0.400	ng/ul #	0.00
17) Chrysene-d12	21.116	240	13119	0.400	ng/ul	0.00
23) Perylene-d12	23.264	264	13548	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	643	0.241	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.877	152	4640	0.323	ng/ul	0.00
18) Fluoranthene-d10	18.969	212	16319	0.409	ng/ul	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.155	88	1731	0.609	ng/ul#	83
5) Naphthalene	10.326	128	8705	0.385	ng/ul	96
7) 2-Methylnaphthalene	11.948	142	5550	0.349	ng/ul	95
8) 1-Methylnaphthalene	12.174	142	8489	0.523	ng/ul	98
10) Acenaphthylene	13.873	152	9383	0.135	ng/ul	95
11) Acenaphthene	14.220	153	7970	0.172	ng/ul	97
12) Fluorene	15.214	166	12329	0.215	ng/ul	98
14) Pentachlorophenol	16.563	266	5237	0.659	ng/ul	98
15) Phenanthrene	16.951	178	16170	0.361	ng/ul	97
16) Anthracene	17.044	178	15711	0.360	ng/ul	98
19) Fluoranthene	18.993	202	20920	0.388	ng/ul#	95
20) Pyrene	19.346	202	22355	0.383	ng/ul#	96
21) Benzo(a)anthracene	21.102	228	21317	0.367	ng/ul	99
22) Chrysene	21.154	228	20230	0.360	ng/ul	100
24) Benzo(b)fluoranthene	22.627	252	20553	0.380	ng/ul	96
25) Benzo(k)fluoranthene	22.671	252	19697	0.371	ng/ul#	96
26) Benzo(a)pyrene	23.168	252	17644	0.396	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	25.393	276	21921	0.323	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.410	278	17001	0.317	ng/ul	97
29) Benzo(g,h,i)perylene	26.034	276	16816	0.311	ng/ul	97

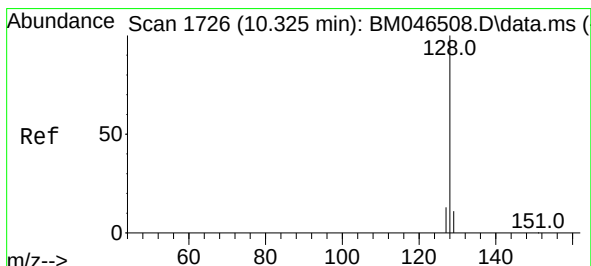
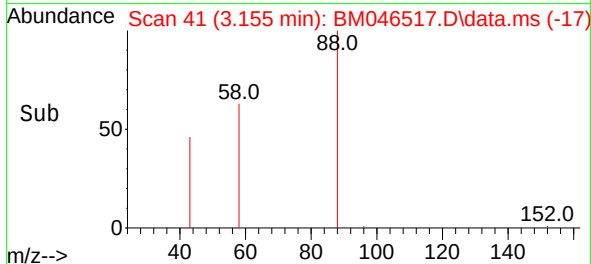
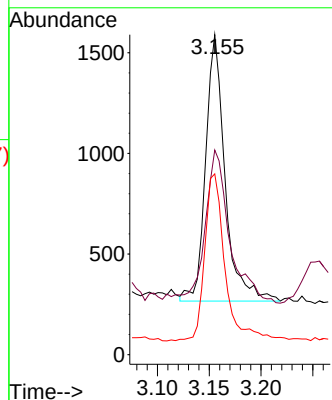
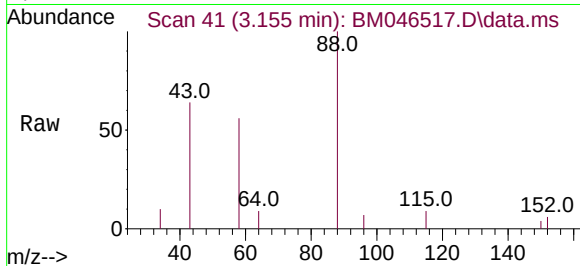
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
1,4-Dioxane
Concen: 0.609 ng/ul
RT: 3.155 min Scan# 41
Delta R.T. 0.000 min
Lab File: BM046517.D
Acq: 11 Jul 2024 14:45

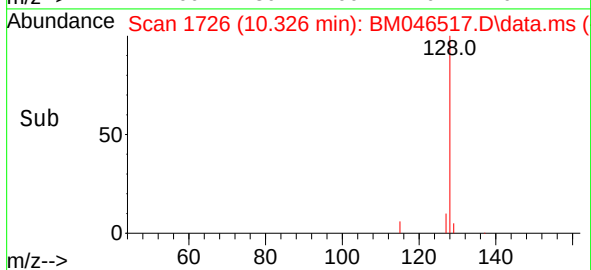
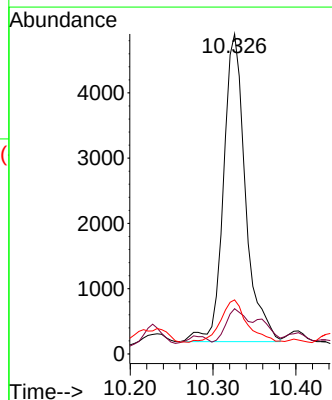
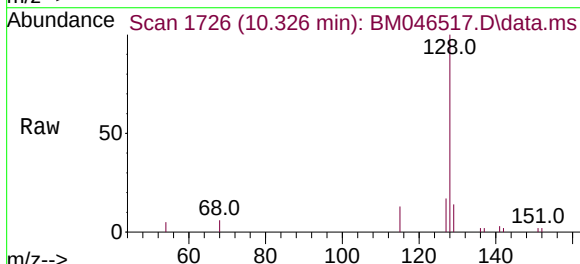
Instrument :
BNA_M
ClientSampleId :
H0HC4MSD

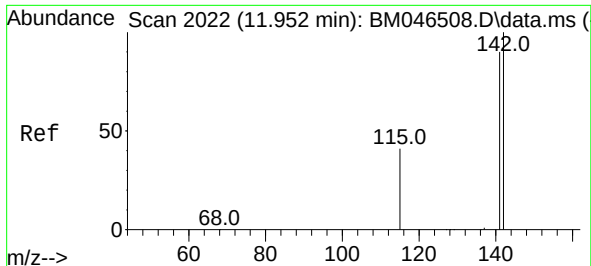
Tgt Ion: 88 Resp: 1731
Ion Ratio Lower Upper
88 100
43 64.0 70.2 105.4#
58 56.5 48.2 72.4



#5
Naphthalene
Concen: 0.385 ng/ul
RT: 10.326 min Scan# 1726
Delta R.T. 0.001 min
Lab File: BM046517.D
Acq: 11 Jul 2024 14:45

Tgt Ion: 128 Resp: 8705
Ion Ratio Lower Upper
128 100
129 14.2 10.3 15.5
127 16.9 12.2 18.4

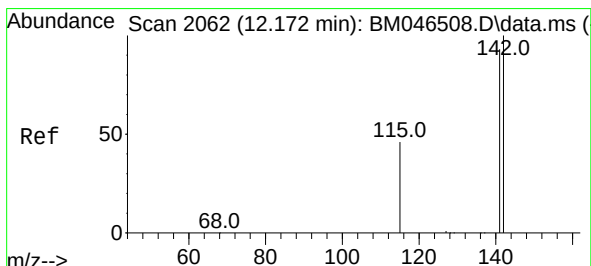
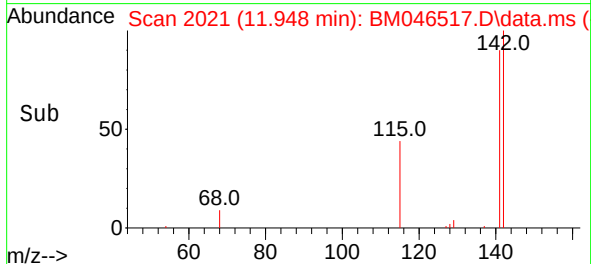
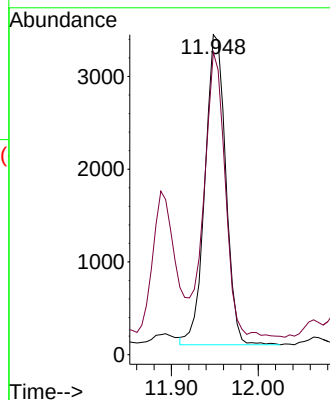
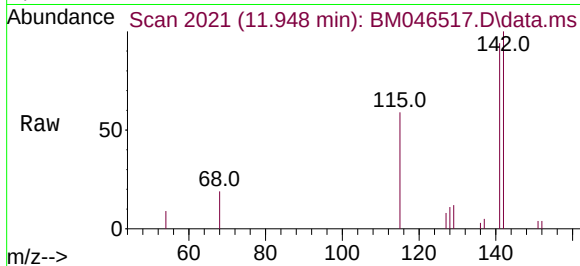




#7
2-Methylnaphthalene
Concen: 0.349 ng/ul
RT: 11.948 min Scan# 2021
Delta R.T. -0.004 min
Lab File: BM046517.D
Acq: 11 Jul 2024 14:45

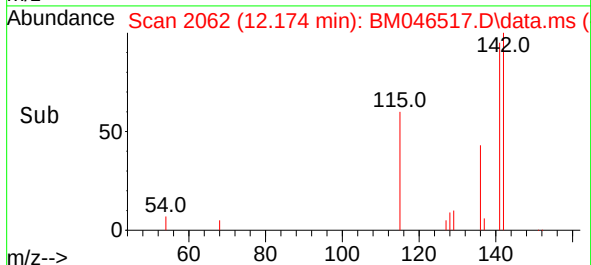
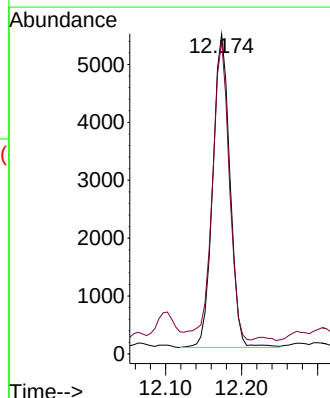
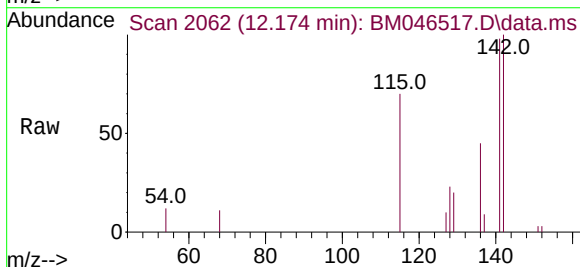
Instrument :
BNA_M
ClientSampleId :
H0HC4MSD

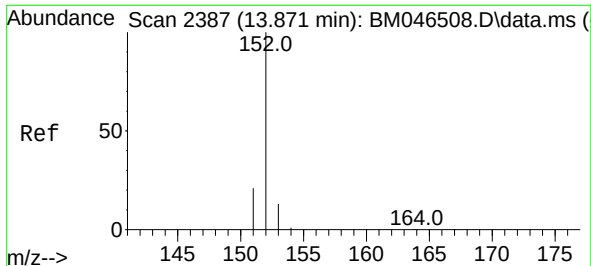
Tgt Ion:142 Resp: 5550
Ion Ratio Lower Upper
142 100
141 92.3 70.3 105.5



#8
1-Methylnaphthalene
Concen: 0.523 ng/ul
RT: 12.174 min Scan# 2062
Delta R.T. 0.001 min
Lab File: BM046517.D
Acq: 11 Jul 2024 14:45

Tgt Ion:142 Resp: 8489
Ion Ratio Lower Upper
142 100
141 94.1 73.9 110.9

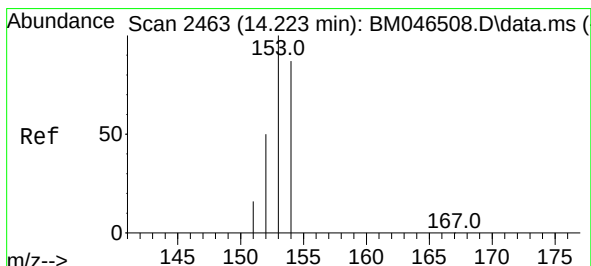
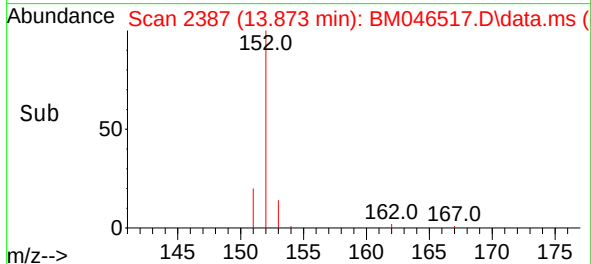
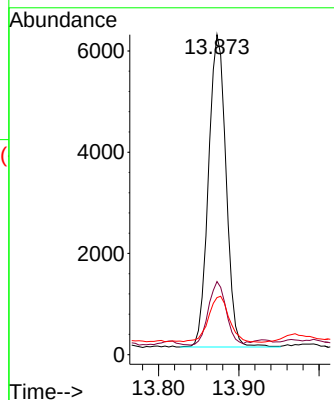
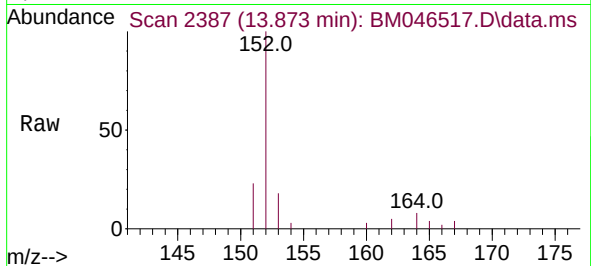




#10
Acenaphthylene
Concen: 0.135 ng/ul
RT: 13.873 min Scan# 2462
Delta R.T. 0.001 min
Lab File: BM046517.D
Acq: 11 Jul 2024 14:45

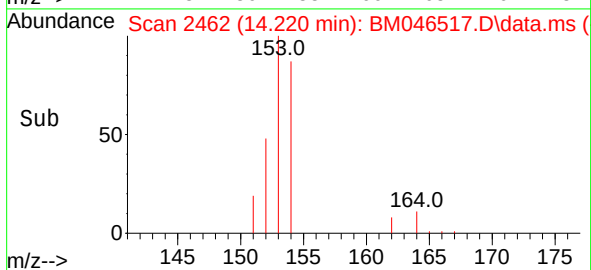
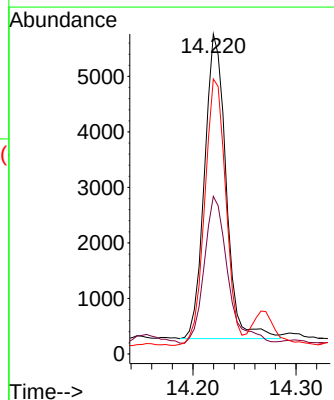
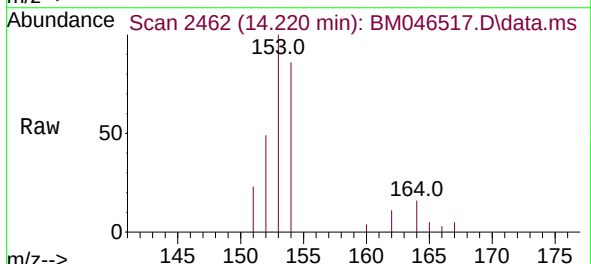
Instrument :
BNA_M
ClientSampleId :
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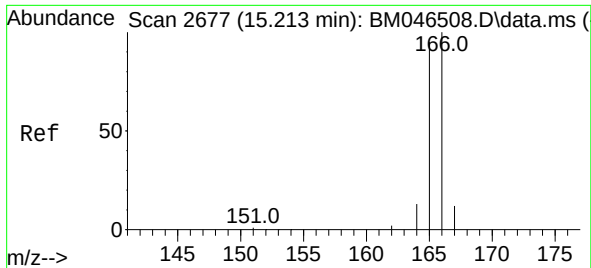
Tgt Ion:152	Resp:	9383
Ion	Ratio	Lower Upper
152	100	
151	22.9	16.4 24.6
153	17.8	12.4 18.6



#11
Acenaphthene
Concen: 0.172 ng/ul
RT: 14.220 min Scan# 2462
Delta R.T. -0.003 min
Lab File: BM046517.D
Acq: 11 Jul 2024 14:45

Tgt Ion:153	Resp:	7970
Ion	Ratio	Lower Upper
153	100	
152	49.2	43.0 64.6
154	86.0	69.9 104.9

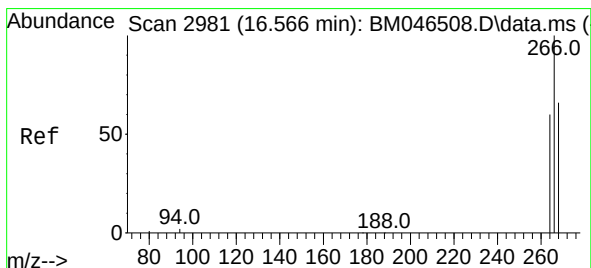
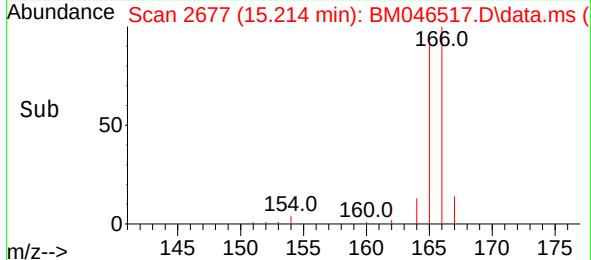
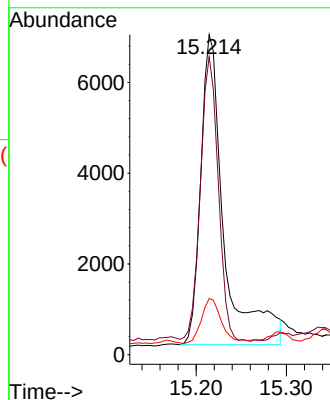
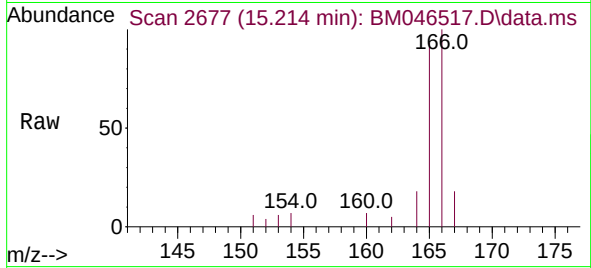




#12
 Fluorene
 Concen: 0.215 ng/ul
 RT: 15.214 min Scan# 20
 Delta R.T. 0.001 min
 Lab File: BM046517.D
 Acq: 11 Jul 2024 14:45

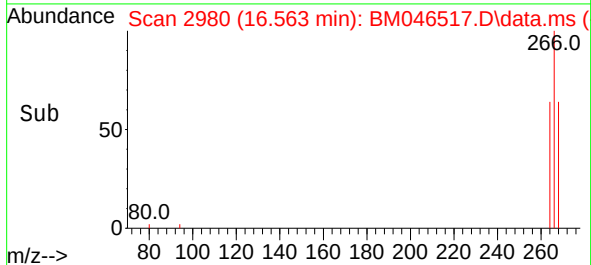
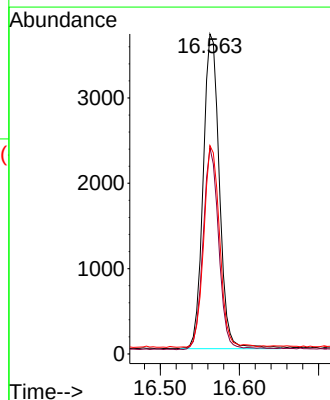
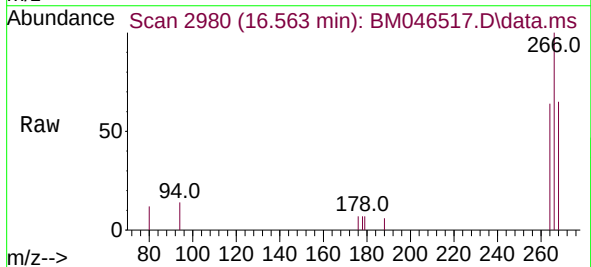
Instrument :
 BNA_M
 ClientSampleId :
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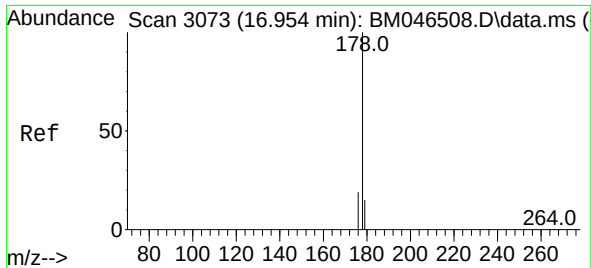
Tgt Ion:	166	Resp:	12329
Ion	Ratio	Lower	Upper
166	100		
165	93.1	76.1	114.1
167	17.6	12.5	18.7



#14
 Pentachlorophenol
 Concen: 0.659 ng/ul
 RT: 16.563 min Scan# 2980
 Delta R.T. -0.003 min
 Lab File: BM046517.D
 Acq: 11 Jul 2024 14:45

Tgt Ion:	266	Resp:	5237
Ion	Ratio	Lower	Upper
266	100		
264	62.4	50.1	75.1
268	63.1	52.5	78.7

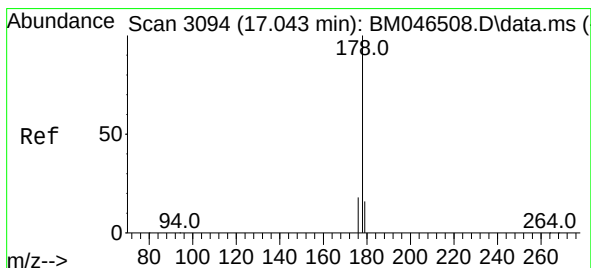
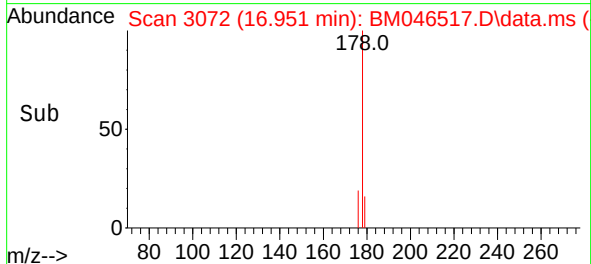
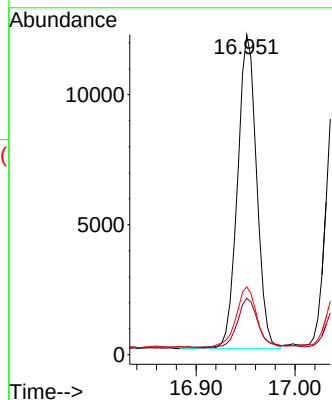
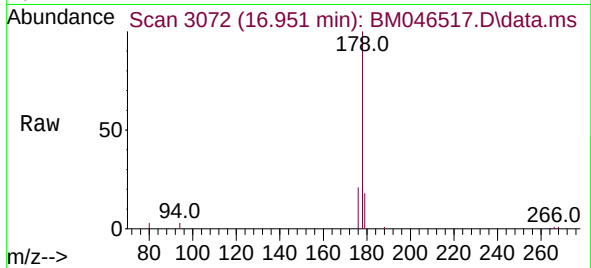




#15
Phenanthrene
Concen: 0.361 ng/ul
RT: 16.951 min Scan# 3072
Delta R.T. -0.003 min
Lab File: BM046517.D
Acq: 11 Jul 2024 14:45

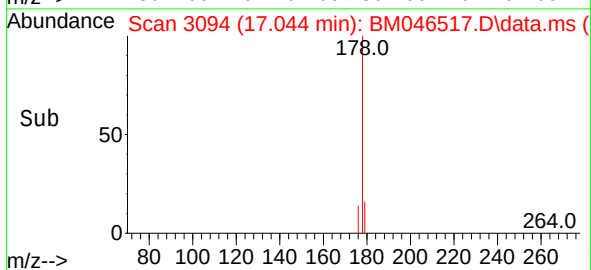
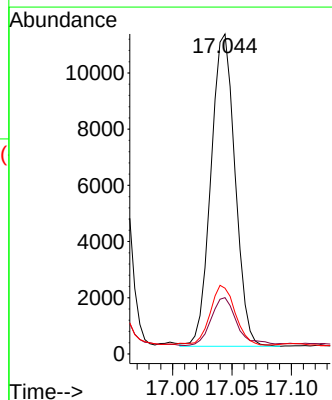
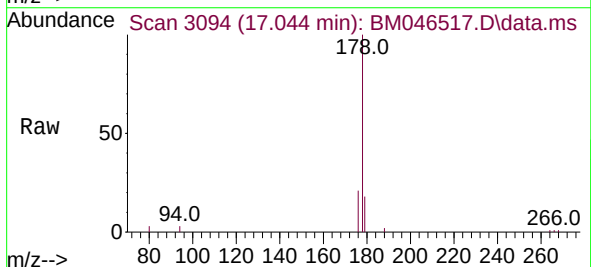
Instrument :
BNA_M
ClientSampleId :
H0HC4MSD

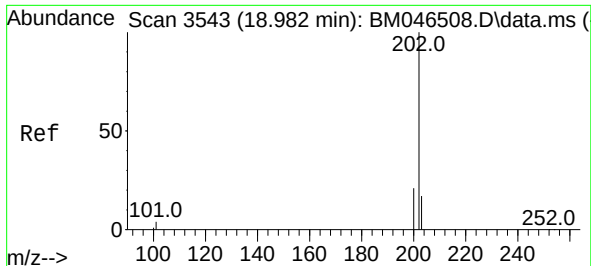
Tgt Ion:178 Resp: 16170
Ion Ratio Lower Upper
178 100
179 17.6 13.1 19.7
176 21.2 16.0 24.0



#16
Anthracene
Concen: 0.360 ng/ul
RT: 17.044 min Scan# 3094
Delta R.T. 0.001 min
Lab File: BM046517.D
Acq: 11 Jul 2024 14:45

Tgt Ion:178 Resp: 15711
Ion Ratio Lower Upper
178 100
179 17.6 13.5 20.3
176 20.6 15.7 23.5





#19

Fluoranthene

Concen: 0.388 ng/ul

RT: 18.993 min Scan# 3545

Delta R.T. 0.011 min

Lab File: BM046517.D

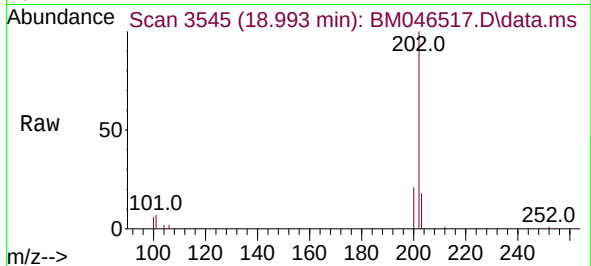
Acq: 11 Jul 2024 14:45

Instrument :

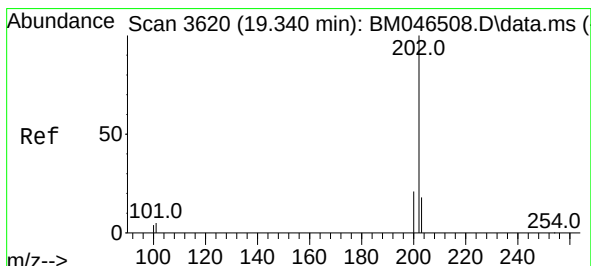
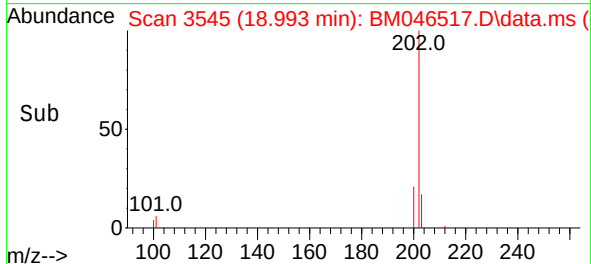
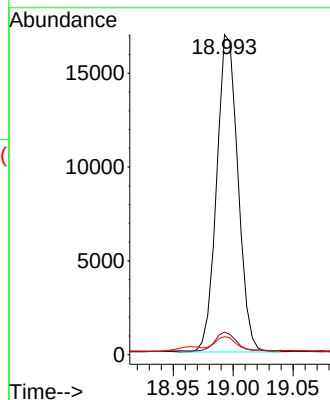
BNA_M

ClientSampleId :

H0HC4MSD



Tgt Ion:	202	Resp:	20920
Ion	Ratio	Lower	Upper
202	100		
101	7.1	4.6	6.8#
100	5.7	3.0	4.6#



#20

Pyrene

Concen: 0.383 ng/ul

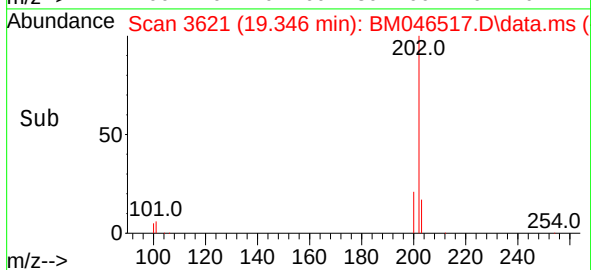
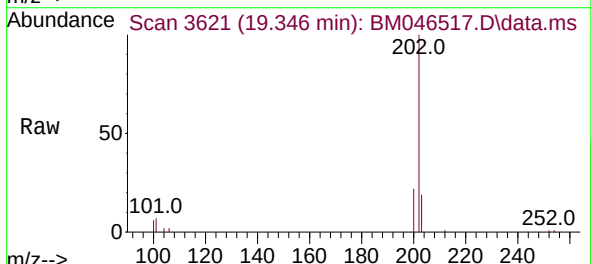
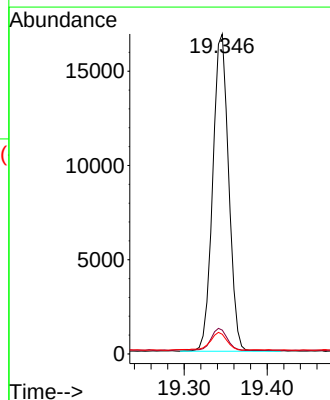
RT: 19.346 min Scan# 3621

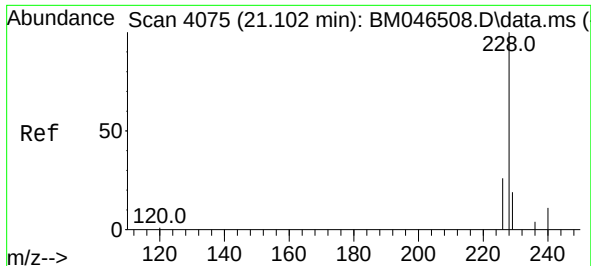
Delta R.T. 0.006 min

Lab File: BM046517.D

Acq: 11 Jul 2024 14:45

Tgt Ion:	202	Resp:	22355
Ion	Ratio	Lower	Upper
202	100		
101	7.5	5.1	7.7
100	6.1	3.8	5.6#

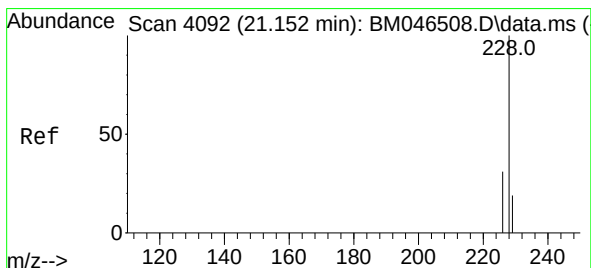
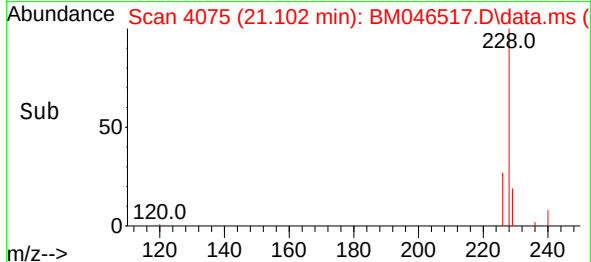
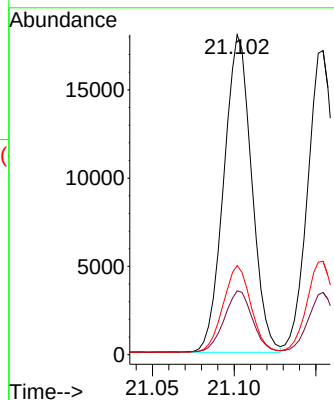
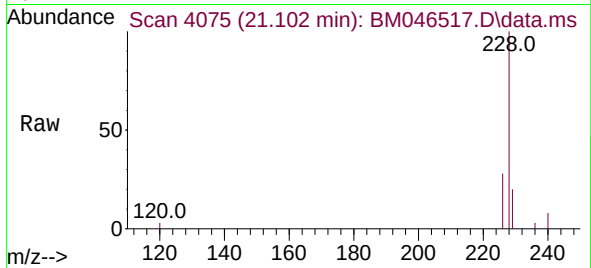




#21
Benzo(a)anthracene
Concen: 0.367 ng/ul
RT: 21.102 min Scan# 4075
Delta R.T. -0.000 min
Lab File: BM046517.D
Acq: 11 Jul 2024 14:45

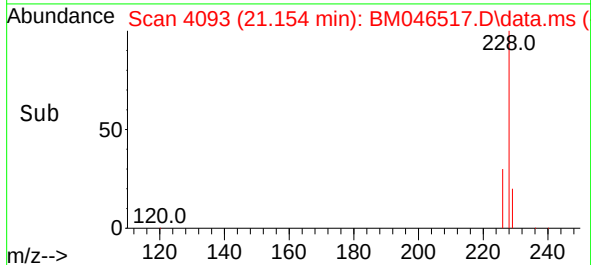
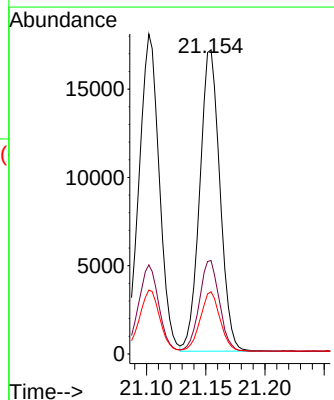
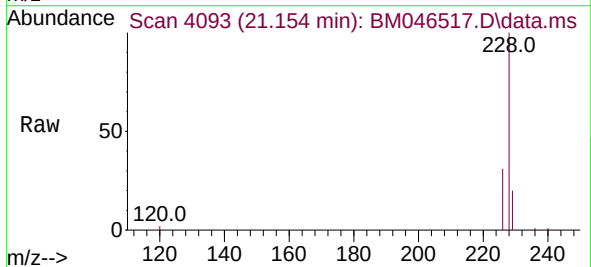
Instrument :
BNA_M
ClientSampleId :
H0HC4MSD

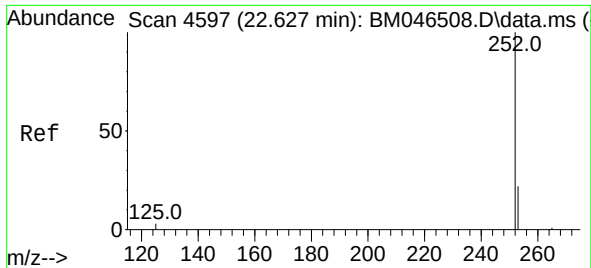
Tgt Ion:228 Resp: 21317
Ion Ratio Lower Upper
228 100
229 19.9 16.5 24.7
226 27.8 22.5 33.7



#22
Chrysene
Concen: 0.360 ng/ul
RT: 21.154 min Scan# 4093
Delta R.T. 0.003 min
Lab File: BM046517.D
Acq: 11 Jul 2024 14:45

Tgt Ion:228 Resp: 20230
Ion Ratio Lower Upper
228 100
226 30.7 24.3 36.5
229 20.5 16.4 24.6

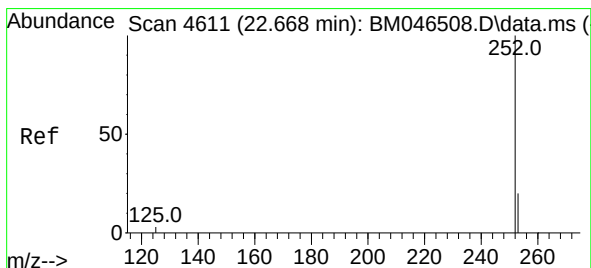
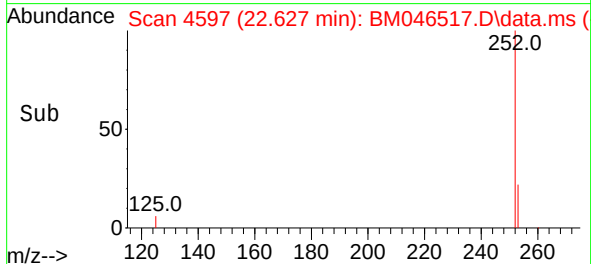
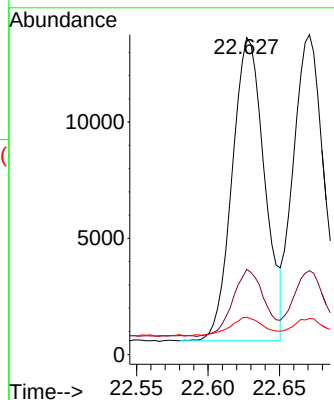
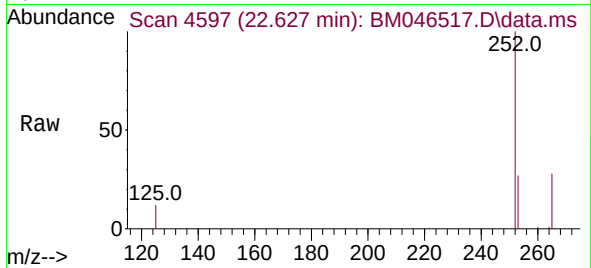




#24
Benzo(b)fluoranthene
Concen: 0.380 ng/ul
RT: 22.627 min Scan# 4597
Delta R.T. -0.000 min
Lab File: BM046517.D
Acq: 11 Jul 2024 14:45

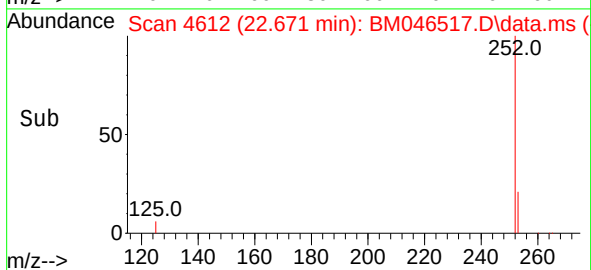
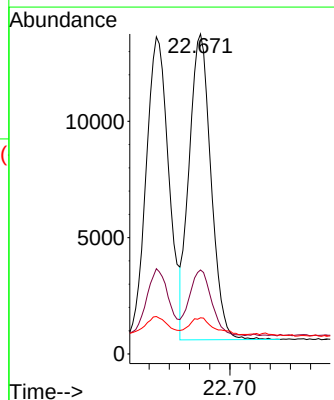
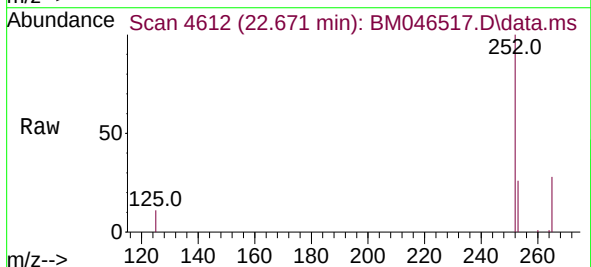
Instrument :
BNA_M
ClientSampleId :
H0HC4MSD

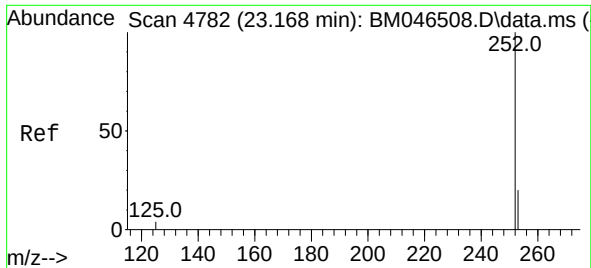
Tgt Ion:252 Resp: 20553
Ion Ratio Lower Upper
252 100
253 26.9 0.0 56.2
125 11.8 0.0 17.8



#25
Benzo(k)fluoranthene
Concen: 0.371 ng/ul
RT: 22.671 min Scan# 4612
Delta R.T. 0.003 min
Lab File: BM046517.D
Acq: 11 Jul 2024 14:45

Tgt Ion:252 Resp: 19697
Ion Ratio Lower Upper
252 100
253 26.2 22.4 33.6
125 11.3 7.0 10.4#

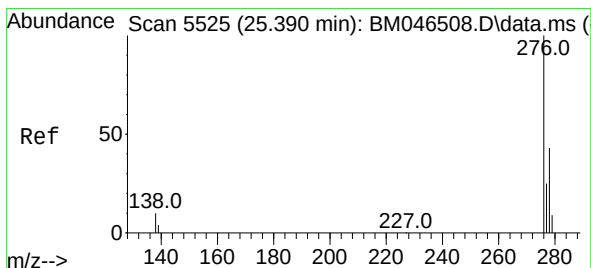
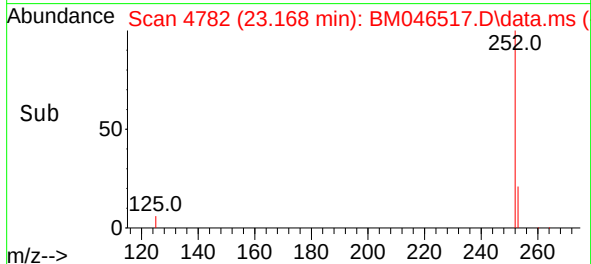
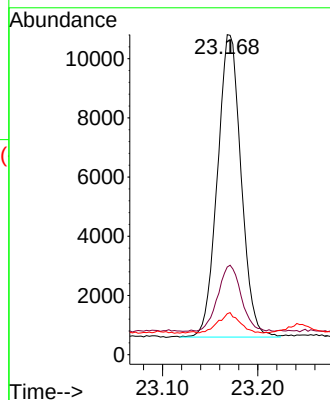
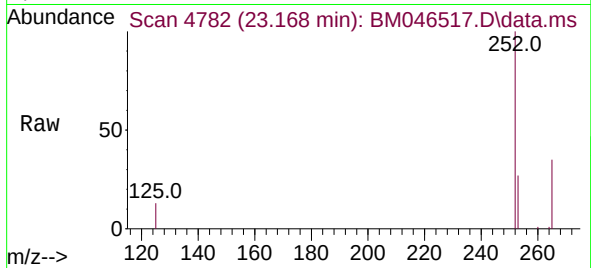




#26
Benzo(a)pyrene
Concen: 0.396 ng/ul
RT: 23.168 min Scan# 4782
Delta R.T. -0.000 min
Lab File: BM046517.D
Acq: 11 Jul 2024 14:45

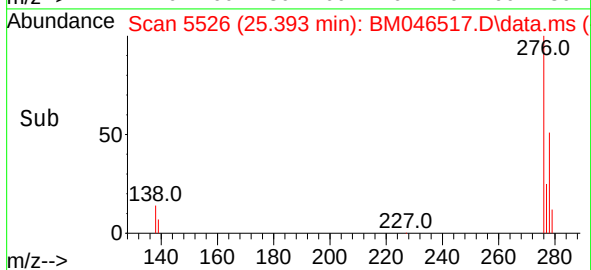
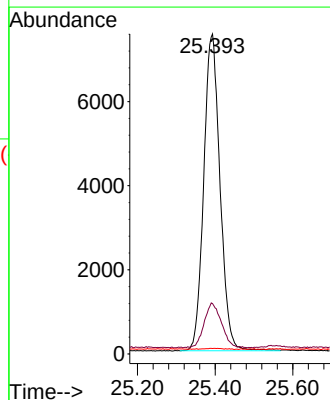
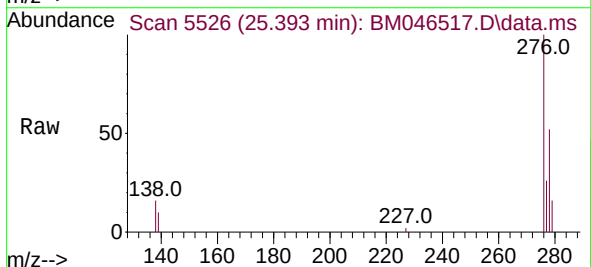
Instrument :
BNA_M
ClientSampleId :
H0HC4MSD

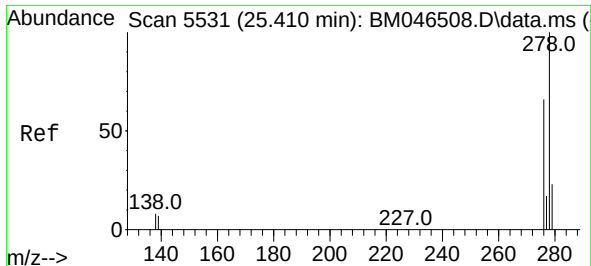
Tgt Ion:252 Resp: 17644
Ion Ratio Lower Upper
252 100
253 27.4 24.0 36.0
125 12.8 8.2 12.2#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.323 ng/ul
RT: 25.393 min Scan# 5526
Delta R.T. 0.003 min
Lab File: BM046517.D
Acq: 11 Jul 2024 14:45

Tgt Ion:276 Resp: 21921
Ion Ratio Lower Upper
276 100
138 15.0 0.0 0.0#
227 0.3 0.2 0.2#

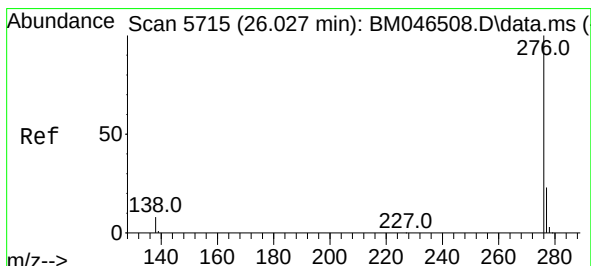
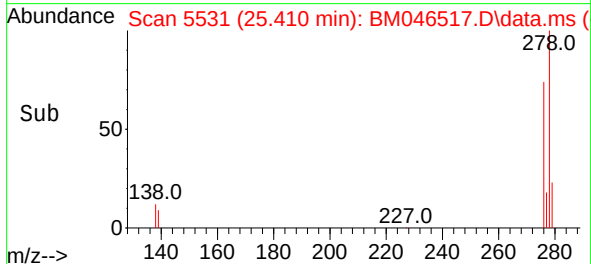
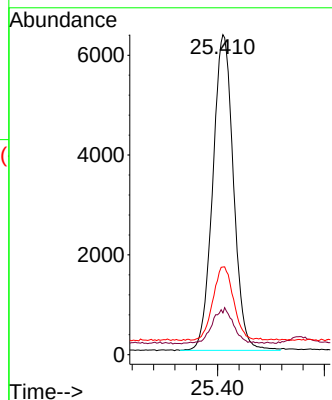
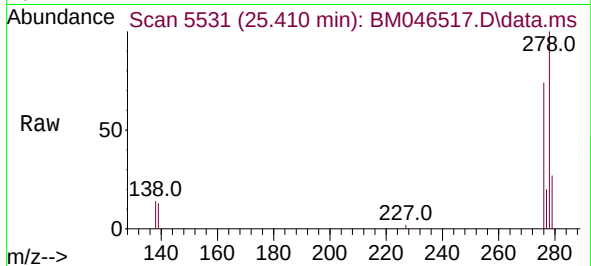




#28
 Dibenzo(a,h)anthracene
 Concen: 0.317 ng/ul
 RT: 25.410 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: BM046517.D
 Acq: 11 Jul 2024 14:45

Instrument :
 BNA_M
 ClientSampleId :
 H0HC4MSD

Tgt Ion:278	Resp:	17001
Ion Ratio	Lower	Upper
278	100	
139	13.0	9.1 13.7
279	27.4	23.2 34.8



#29
 Benzo(g,h,i)perylene
 Concen: 0.311 ng/ul
 RT: 26.034 min Scan# 5717
 Delta R.T. 0.006 min
 Lab File: BM046517.D
 Acq: 11 Jul 2024 14:45

Tgt Ion:276	Resp:	16816
Ion Ratio	Lower	Upper
276	100	
138	14.9	10.2 15.4
277	25.5	20.9 31.3

