

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030425\
 Data File : BM049687.D
 Acq On : 04 Mar 2025 09:29
 Operator : RC/JU
 Sample : SSTD0.1054
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.1041

Quant Time: Mar 04 12:01:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM030425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 04 11:57:36 2025
 Response via : Initial Calibration

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

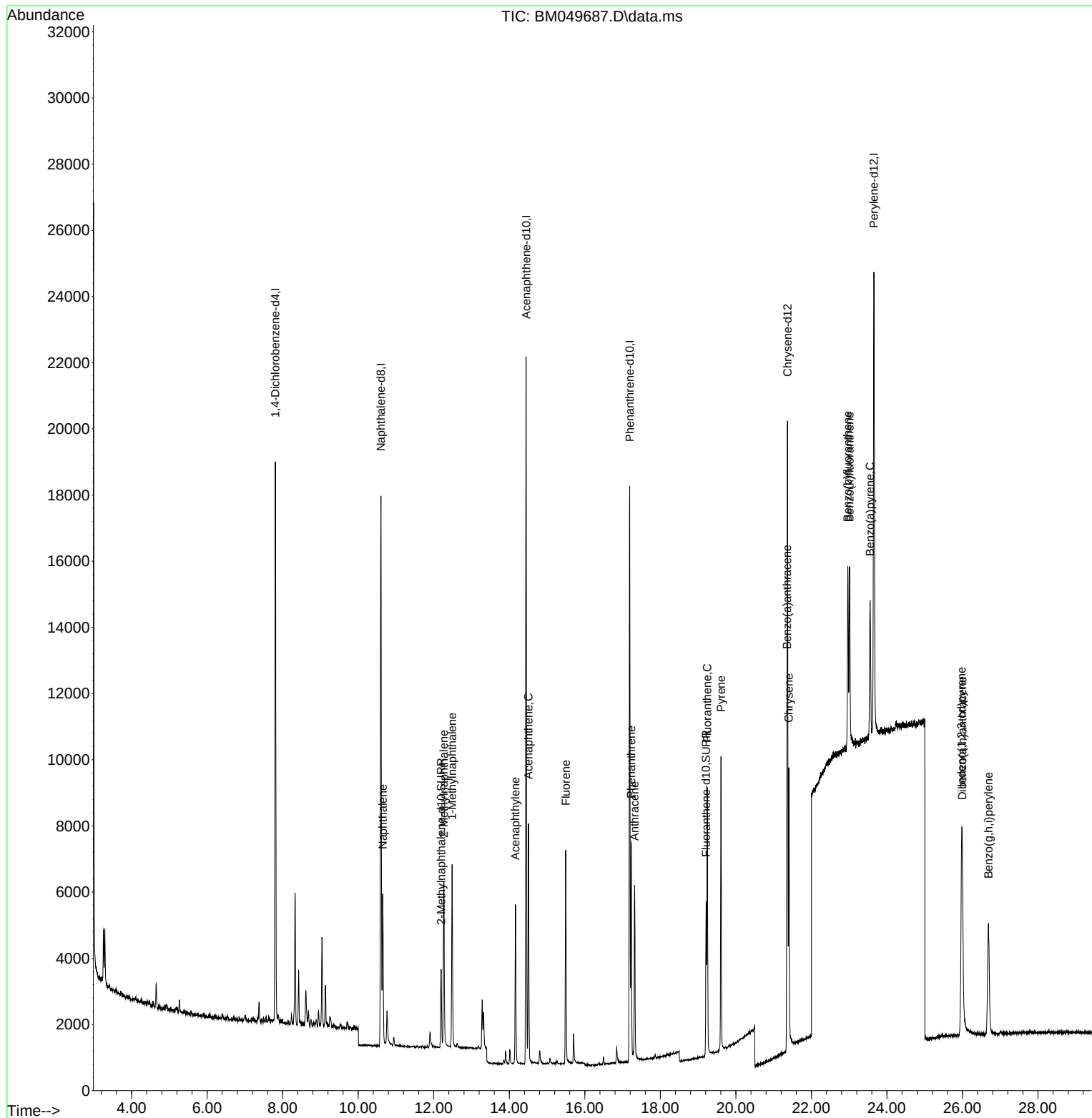
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	8475	0.400	ng/ul	0.00
4) Naphthalene-d8	10.601	136	22476	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.446	164	12079	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.188	188	21814	0.400	ng/ul	0.00
17) Chrysene-d12	21.368	240	17040	0.400	ng/ul	0.00
23) Perylene-d12	23.653	264	19180	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0d	0.000	ng/ul	
6) 2-Methylnaphthalene-d10	12.196	152	3474	0.112	ng/ul	0.00
18) Fluoranthene-d10	19.211	212	5606	0.107	ng/ul	0.00
Target Compounds					Qvalue	
5) Naphthalene	10.650	128	6365	0.114	ng/ul#	95
7) 2-Methylnaphthalene	12.267	142	3970	0.109	ng/ul	98
8) 1-Methylnaphthalene	12.487	142	4082	0.110	ng/ul	98
10) Acenaphthylene	14.164	152	5699	0.111	ng/ul	96
11) Acenaphthene	14.507	153	4136	0.111	ng/ul	99
12) Fluorene	15.497	166	4437	0.105	ng/ul	99
15) Phenanthrene	17.226	178	6865	0.116	ng/ul	97
16) Anthracene	17.318	178	6040	0.112	ng/ul	96
19) Fluoranthene	19.244	202	7256	0.104	ng/ul	98
20) Pyrene	19.606	202	7862	0.108	ng/ul#	96
21) Benzo(a)anthracene	21.353	228	6644	0.113	ng/ul	96
22) Chrysene	21.403	228	7284	0.117	ng/ul	98
24) Benzo(b)fluoranthene	22.963	252	7418	0.115	ng/ul#	70
25) Benzo(k)fluoranthene	23.010	252	7530	0.106	ng/ul#	70
26) Benzo(a)pyrene	23.554	252	6872	0.118	ng/ul#	64
27) Indeno(1,2,3-cd)pyrene	25.980	276	9589	0.115	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.997	278	7160	0.112	ng/ul#	76
29) Benzo(g,h,i)perylene	26.688	276	7779	0.117	ng/ul#	87

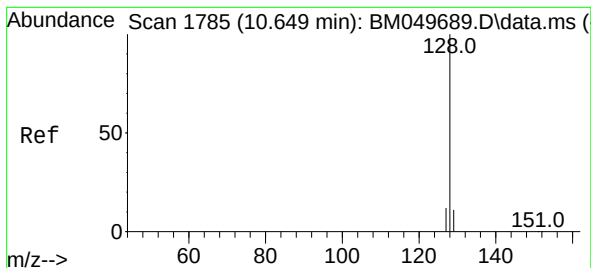
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.114 ng/ul

RT: 10.650 min Scan# 1

Delta R.T. 0.001 min

Lab File: BM049687.D

Acq: 04 Mar 2025 09:29

Instrument :

BNA_M

ClientSampleId :

SSTD0.1041

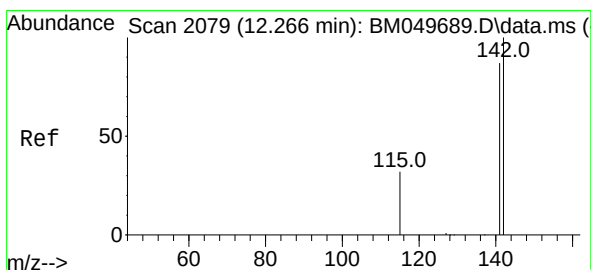
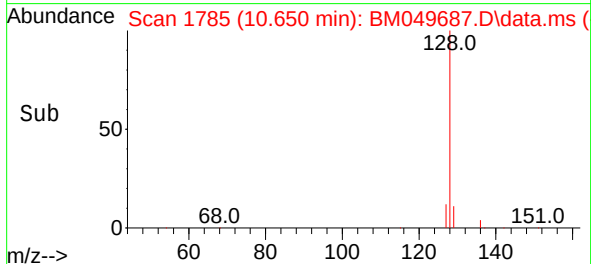
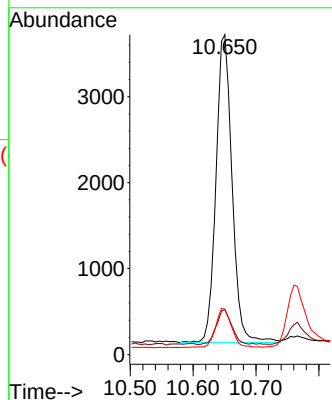
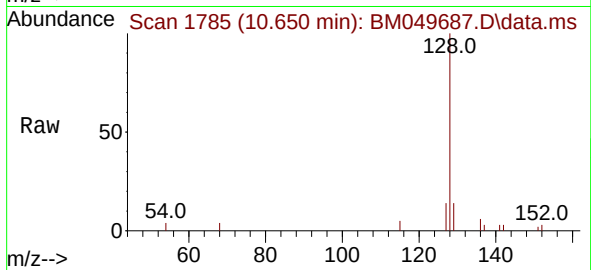
Tgt Ion:128 Resp: 6365

Ion Ratio Lower Upper

128 100

129 14.1 9.2 13.8#

127 14.2 10.2 15.4



#7

2-Methylnaphthalene

Concen: 0.109 ng/ul

RT: 12.267 min Scan# 2079

Delta R.T. 0.001 min

Lab File: BM049687.D

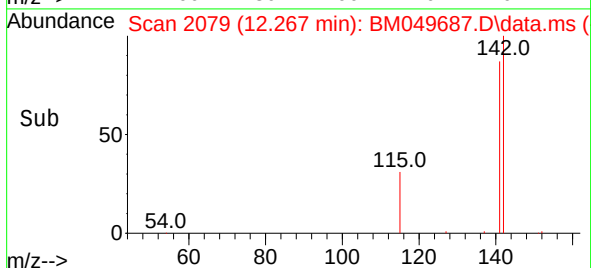
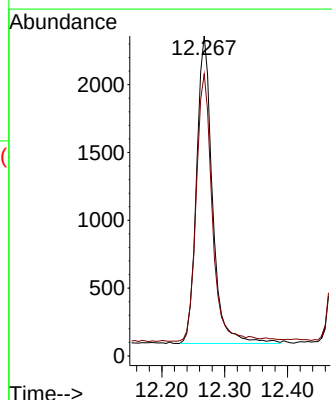
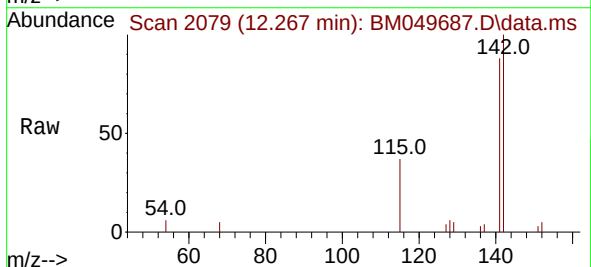
Acq: 04 Mar 2025 09:29

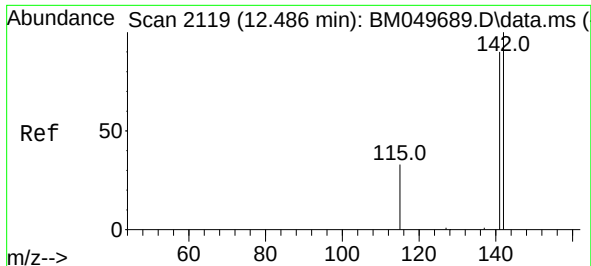
Tgt Ion:142 Resp: 3970

Ion Ratio Lower Upper

142 100

141 89.1 70.0 105.0

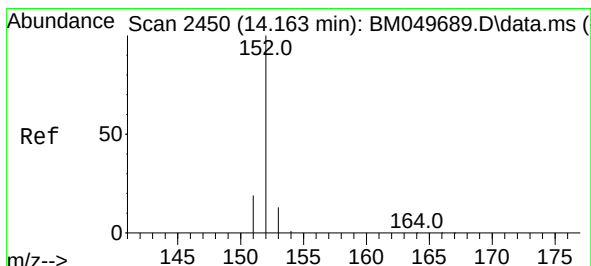
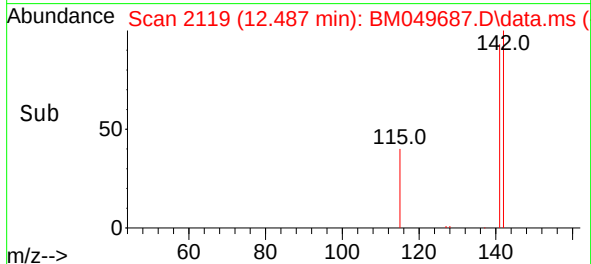
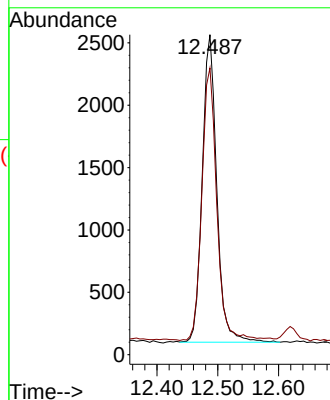
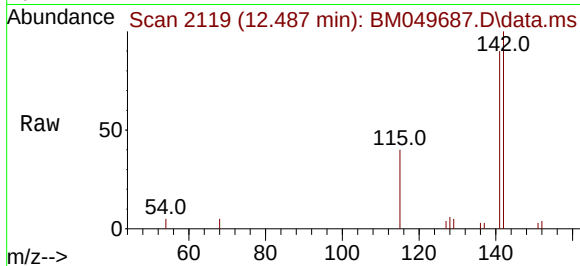




#8
1-Methylnaphthalene
Concen: 0.110 ng/ul
RT: 12.487 min Scan# 2119
Delta R.T. 0.001 min
Lab File: BM049687.D
Acq: 04 Mar 2025 09:29

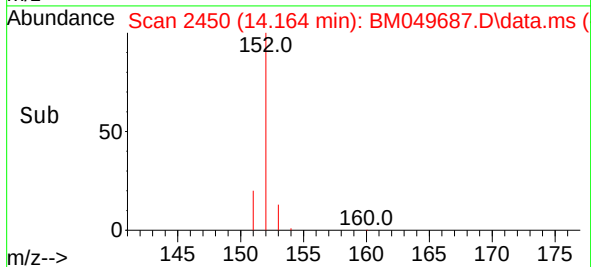
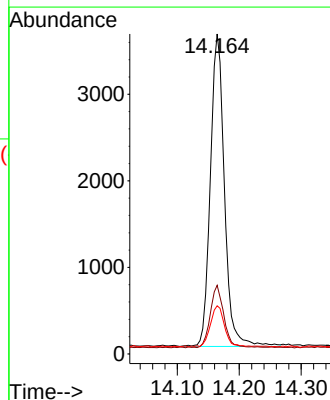
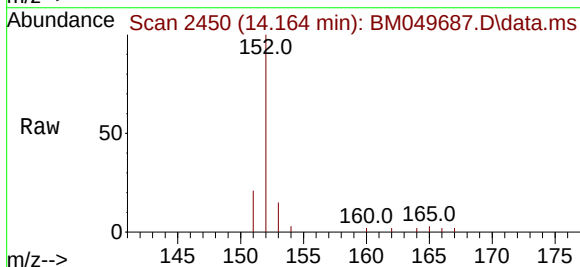
Instrument :
BNA_M
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SSTD0.1041

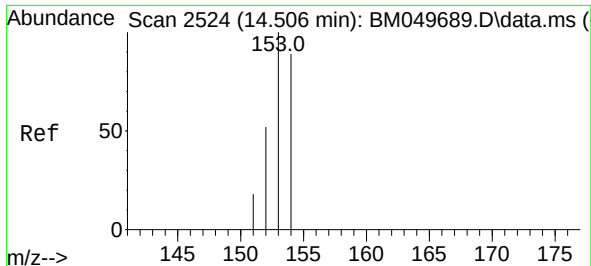
Tgt Ion:142 Resp: 4082
Ion Ratio Lower Upper
142 100
141 92.1 72.4 108.6



#10
Acenaphthylene
Concen: 0.111 ng/ul
RT: 14.164 min Scan# 2450
Delta R.T. 0.001 min
Lab File: BM049687.D
Acq: 04 Mar 2025 09:29

Tgt Ion:152 Resp: 5699
Ion Ratio Lower Upper
152 100
151 21.4 15.8 23.6
153 15.0 11.0 16.4

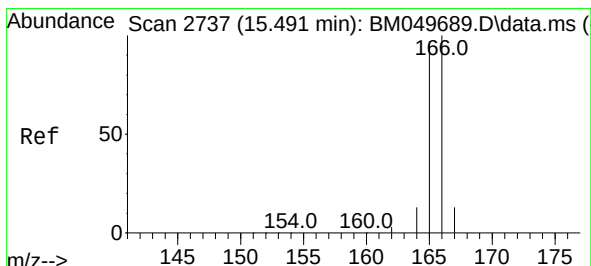
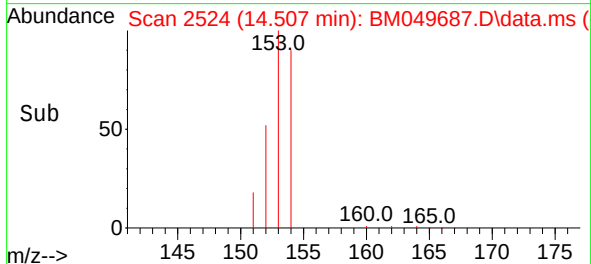
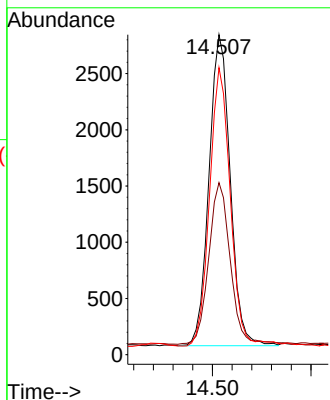
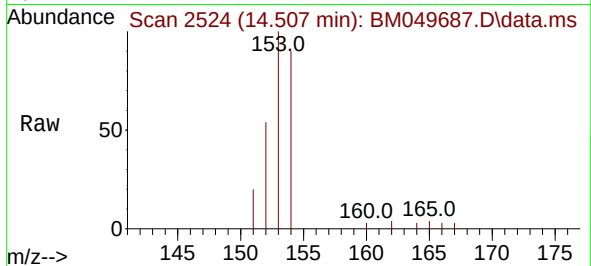




#11
Acenaphthene
Concen: 0.111 ng/ul
RT: 14.507 min Scan# 21
Delta R.T. 0.001 min
Lab File: BM049687.D
Acq: 04 Mar 2025 09:29

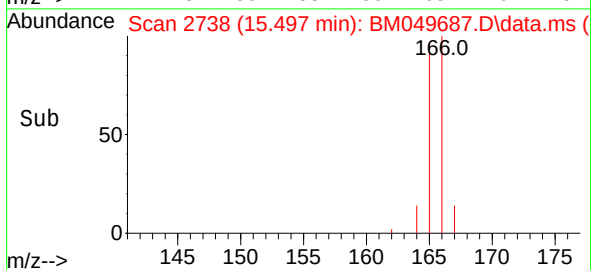
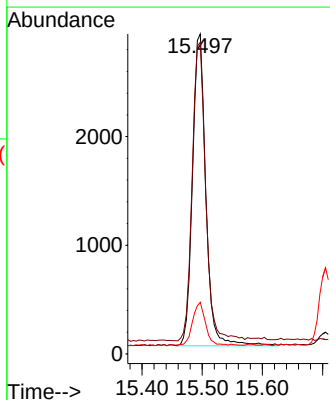
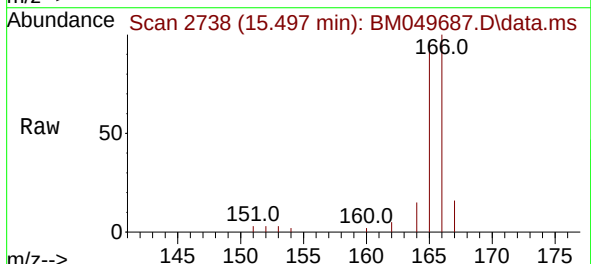
Instrument :
BNA_M
ClientSampleId :
SSTD0.1041

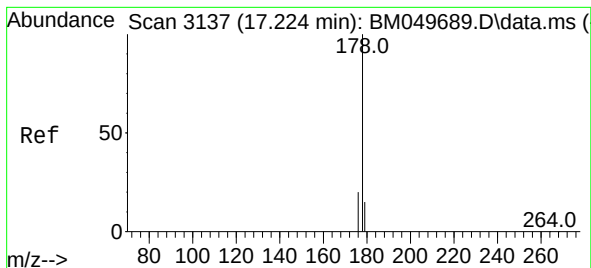
Tgt Ion:153 Resp: 4136
Ion Ratio Lower Upper
153 100
152 53.8 42.0 63.0
154 89.7 71.6 107.4



#12
Fluorene
Concen: 0.105 ng/ul
RT: 15.497 min Scan# 2738
Delta R.T. 0.006 min
Lab File: BM049687.D
Acq: 04 Mar 2025 09:29

Tgt Ion:166 Resp: 4437
Ion Ratio Lower Upper
166 100
165 97.4 77.6 116.4
167 16.2 11.1 16.7





#15

Phenanthrene

Concen: 0.116 ng/ul

RT: 17.226 min Scan# 3137

Delta R.T. 0.001 min

Lab File: BM049687.D

Acq: 04 Mar 2025 09:29

Instrument :

BNA_M

ClientSampleId :

SSTD0.1041

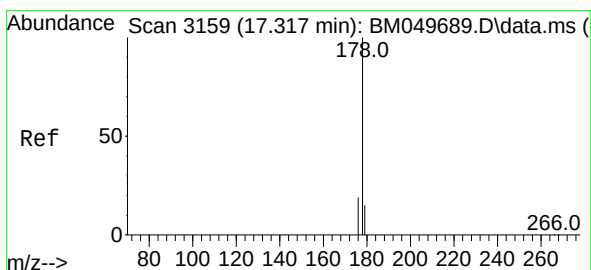
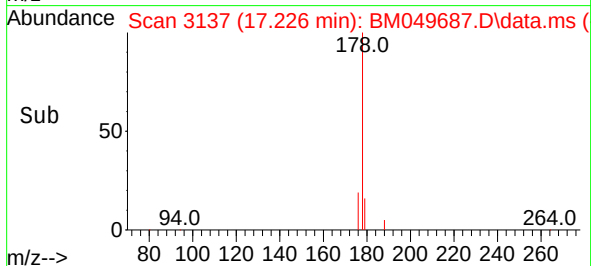
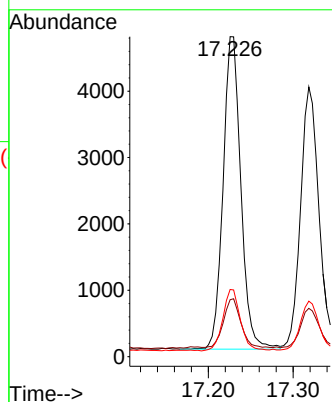
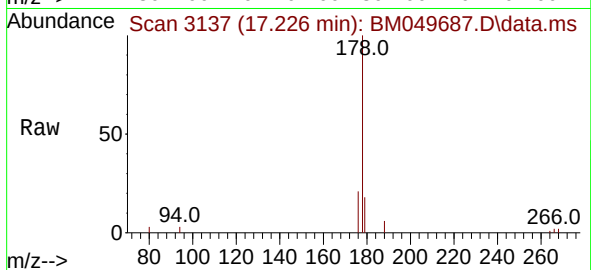
Tgt Ion:178 Resp: 6865

Ion Ratio Lower Upper

178 100

179 17.8 12.7 19.1

176 21.0 16.2 24.2



#16

Anthracene

Concen: 0.112 ng/ul

RT: 17.318 min Scan# 3159

Delta R.T. 0.001 min

Lab File: BM049687.D

Acq: 04 Mar 2025 09:29

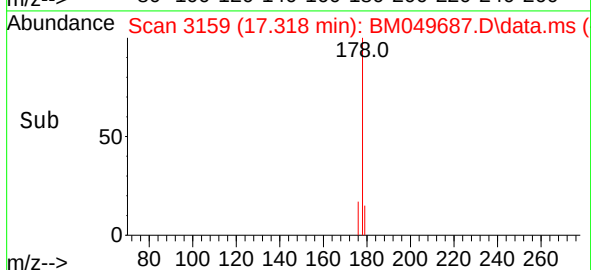
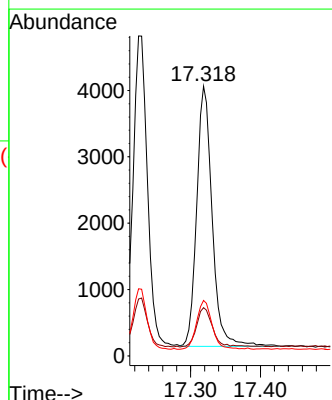
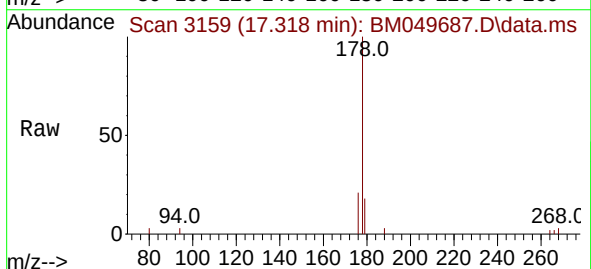
Tgt Ion:178 Resp: 6040

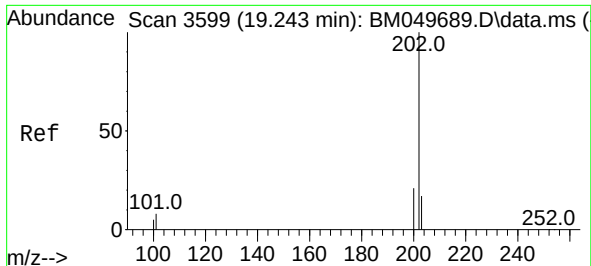
Ion Ratio Lower Upper

178 100

179 17.9 12.6 19.0

176 20.6 15.5 23.3

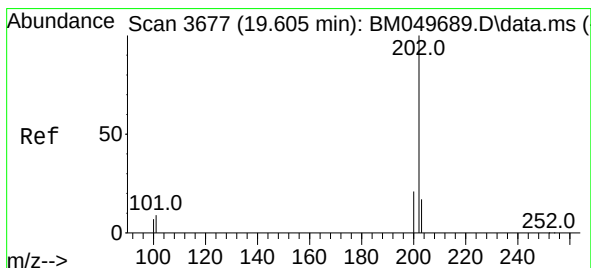
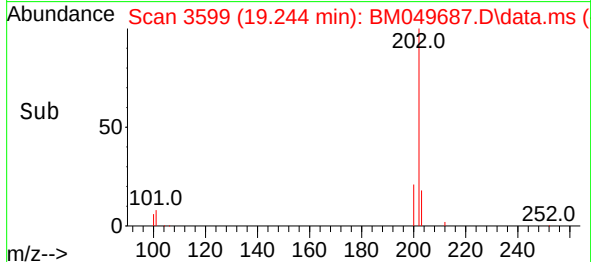
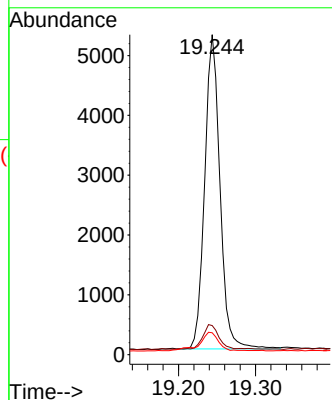
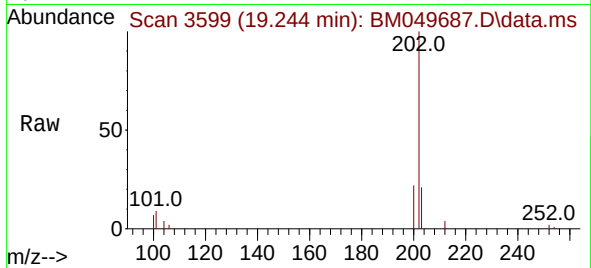




#19
Fluoranthene
Concen: 0.104 ng/ul
RT: 19.244 min Scan# 3599
Delta R.T. 0.001 min
Lab File: BM049687.D
Acq: 04 Mar 2025 09:29

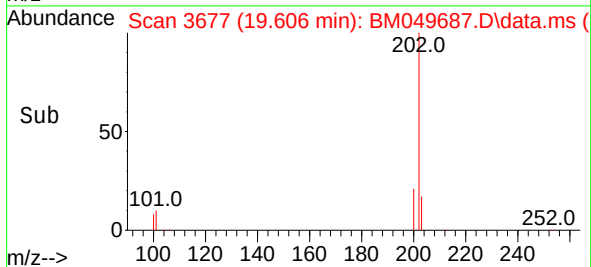
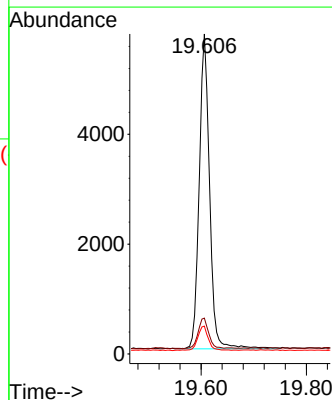
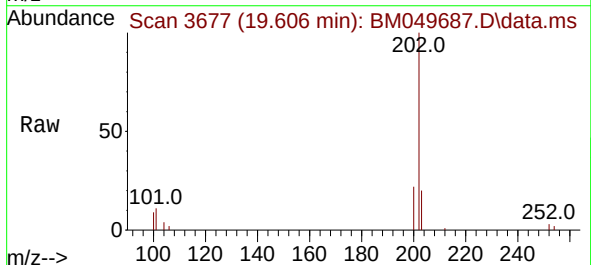
Instrument :
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SSTD0.1041

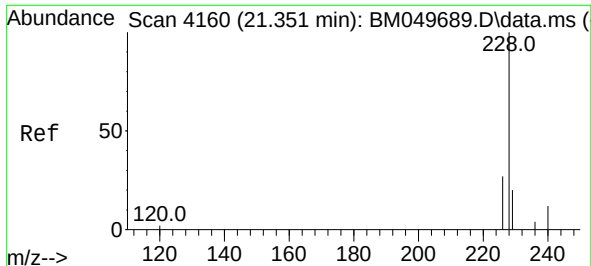
Tgt Ion:	202	Resp:	7256
Ion Ratio	Lower	Upper	
202	100		
101	9.1	6.6	10.0
100	6.9	5.0	7.4



#20
Pyrene
Concen: 0.108 ng/ul
RT: 19.606 min Scan# 3677
Delta R.T. 0.001 min
Lab File: BM049687.D
Acq: 04 Mar 2025 09:29

Tgt Ion:	202	Resp:	7862
Ion Ratio	Lower	Upper	
202	100		
101	11.2	7.4	11.2#
100	8.7	6.0	9.0

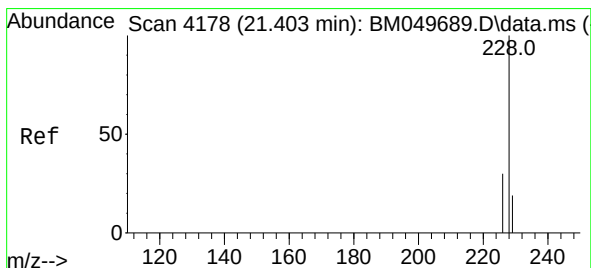
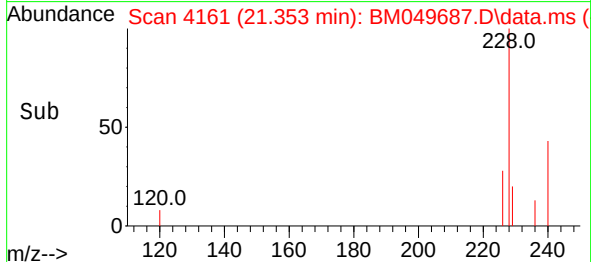
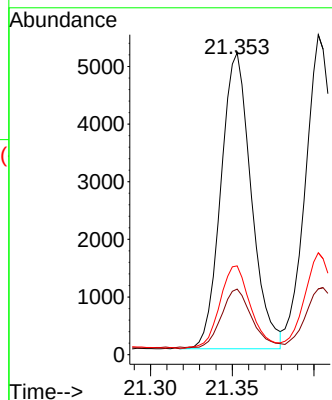
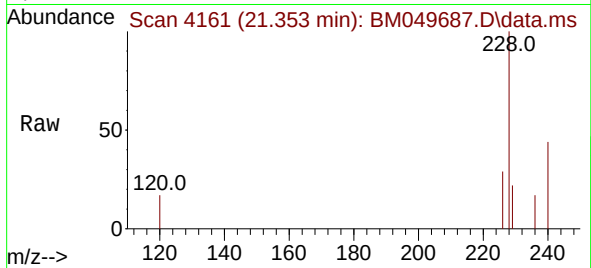




#21
Benzo(a)anthracene
Concen: 0.113 ng/ul
RT: 21.353 min Scan# 4160
Delta R.T. 0.002 min
Lab File: BM049687.D
Acq: 04 Mar 2025 09:29

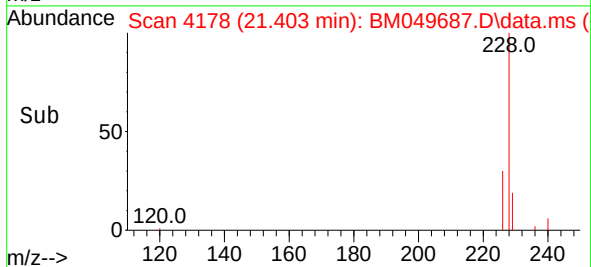
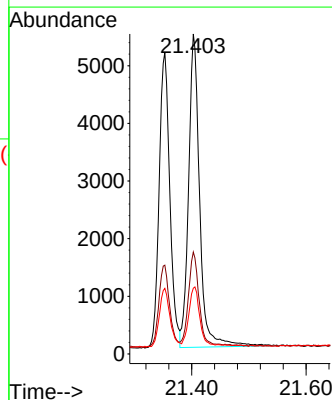
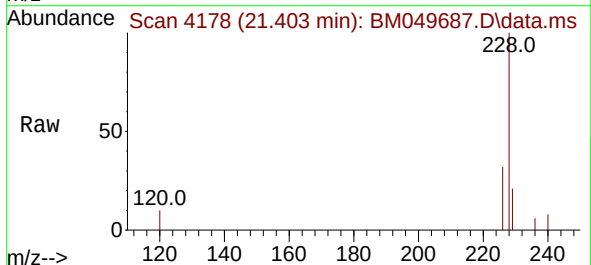
Instrument :
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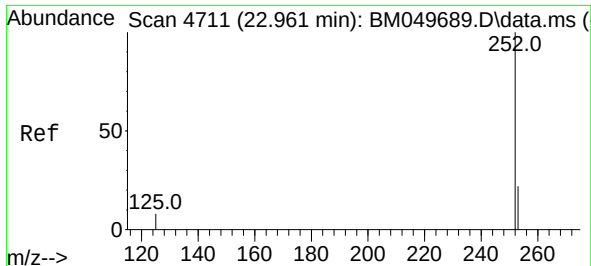
Tgt Ion:228 Resp: 6644
Ion Ratio Lower Upper
228 100
229 21.7 16.0 24.0
226 29.4 22.1 33.1



#22
Chrysene
Concen: 0.117 ng/ul
RT: 21.403 min Scan# 4178
Delta R.T. -0.001 min
Lab File: BM049687.D
Acq: 04 Mar 2025 09:29

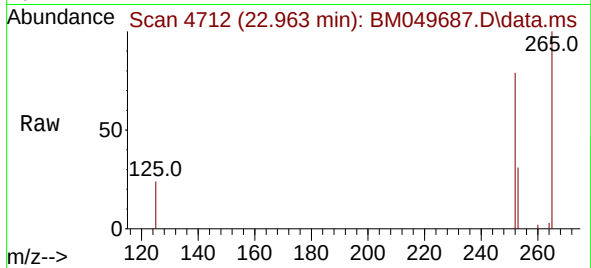
Tgt Ion:228 Resp: 7284
Ion Ratio Lower Upper
228 100
226 31.9 24.2 36.4
229 20.5 16.0 24.0



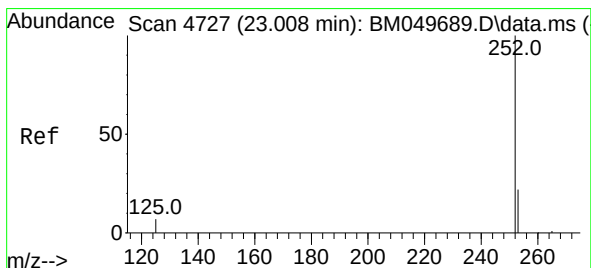
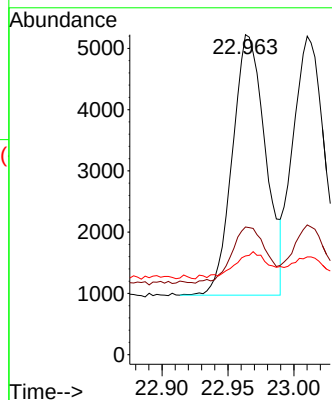


#24
Benzo(b)fluoranthene
Concen: 0.115 ng/ul
RT: 22.963 min Scan# 4712
Delta R.T. 0.002 min
Lab File: BM049687.D
Acq: 04 Mar 2025 09:29

Instrument :
BNA_M
ClientSampleId :
SSTD0.1041

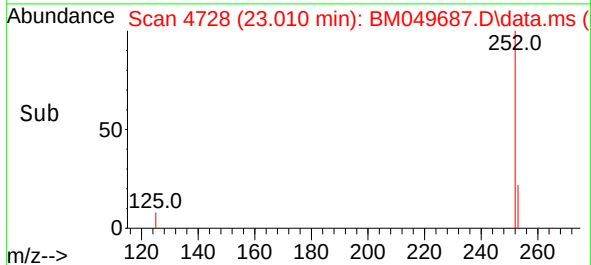
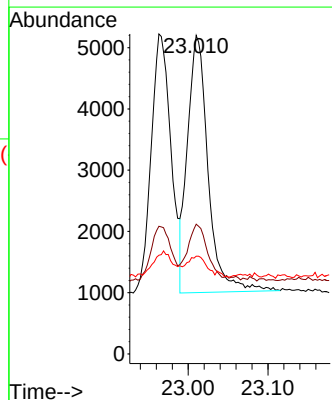
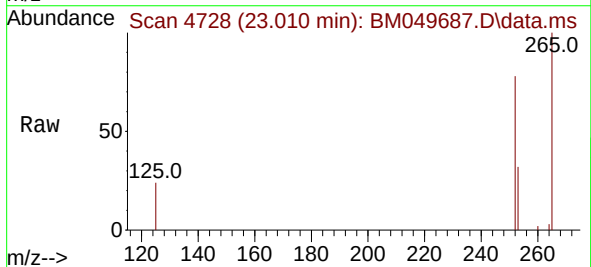


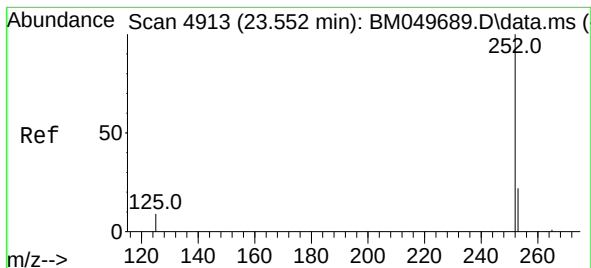
Tgt Ion:252 Resp: 7418
Ion Ratio Lower Upper
252 100
253 39.9 0.0 54.4
125 30.8 0.0 29.2#



#25
Benzo(k)fluoranthene
Concen: 0.106 ng/ul
RT: 23.010 min Scan# 4728
Delta R.T. 0.002 min
Lab File: BM049687.D
Acq: 04 Mar 2025 09:29

Tgt Ion:252 Resp: 7530
Ion Ratio Lower Upper
252 100
253 40.7 22.2 33.2#
125 30.7 11.7 17.5#





#26

Benzo(a)pyrene

Concen: 0.118 ng/ul

RT: 23.554 min Scan# 4913

Delta R.T. 0.002 min

Lab File: BM049687.D

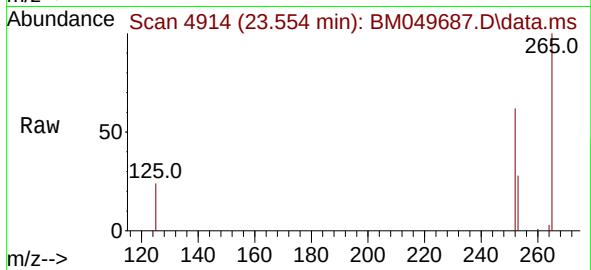
Acq: 04 Mar 2025 09:29

Instrument :

BNA_M

ClientSampleId :

SSTD0.1041



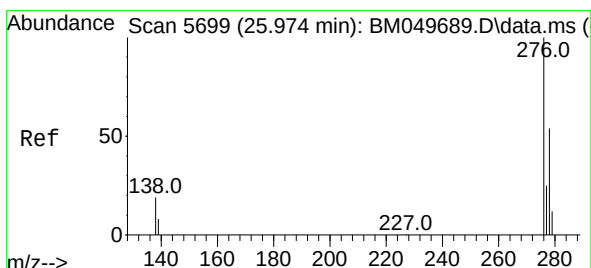
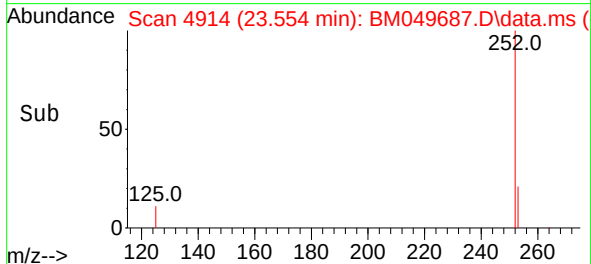
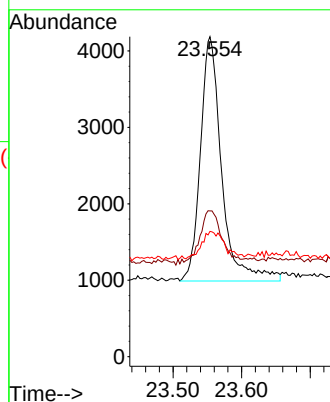
Tgt Ion:252 Resp: 6872

Ion Ratio Lower Upper

252 100

253 45.5 23.7 35.5#

125 39.1 15.0 22.4#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.115 ng/ul

RT: 25.980 min Scan# 5701

Delta R.T. 0.006 min

Lab File: BM049687.D

Acq: 04 Mar 2025 09:29

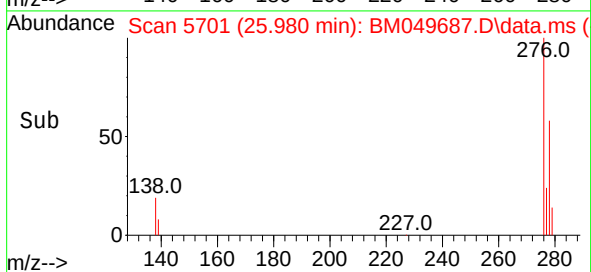
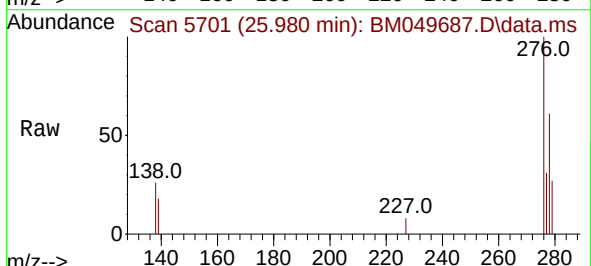
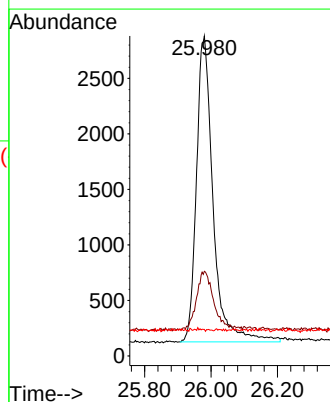
Tgt Ion:276 Resp: 9589

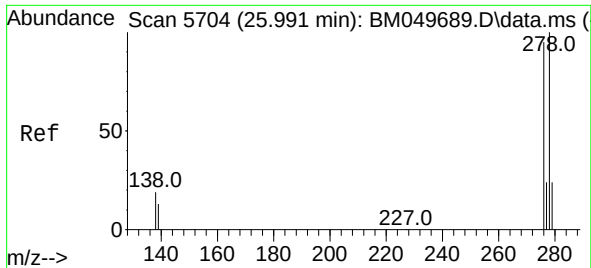
Ion Ratio Lower Upper

276 100

138 20.1 16.2 24.4

227 0.2 0.1 0.1#

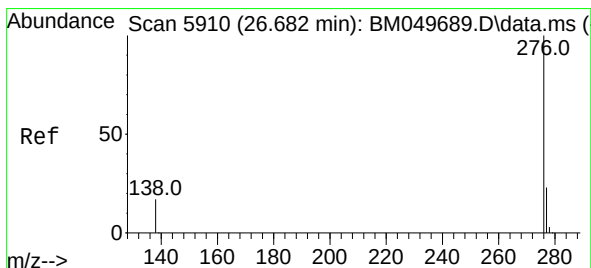
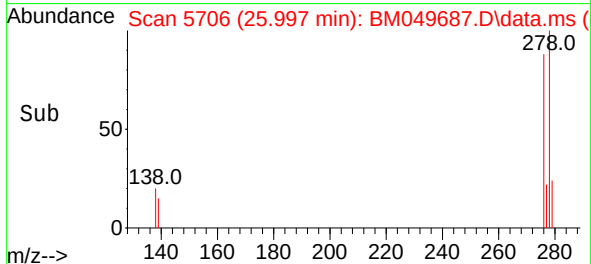
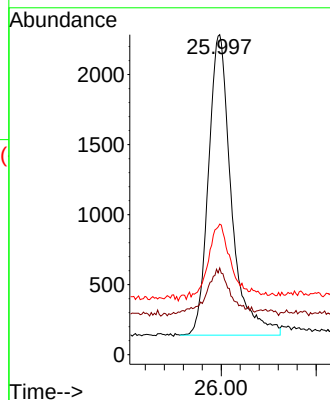
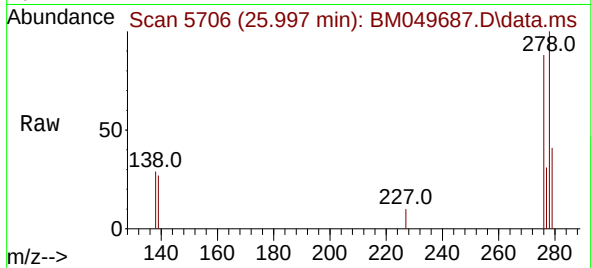




#28
Dibenzo(a,h)anthracene
Concen: 0.112 ng/ul
RT: 25.997 min Scan# 51
Delta R.T. 0.006 min
Lab File: BM049687.D
Acq: 04 Mar 2025 09:29

Instrument :
BNA_M
ClientSampleId :
SSTD0.1041

Tgt Ion:278 Resp: 7160
Ion Ratio Lower Upper
278 100
139 27.1 13.0 19.4#
279 40.8 22.6 33.8#



#29
Benzo(g,h,i)perylene
Concen: 0.117 ng/ul
RT: 26.688 min Scan# 5912
Delta R.T. 0.006 min
Lab File: BM049687.D
Acq: 04 Mar 2025 09:29

Tgt Ion:276 Resp: 7779
Ion Ratio Lower Upper
276 100
138 26.3 15.2 22.8#
277 31.2 20.3 30.5#

