

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062223\
 Data File : BM040346.D
 Acq On : 22 Jun 2023 13:33
 Operator : MA/JU
 Sample : SST0.289
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

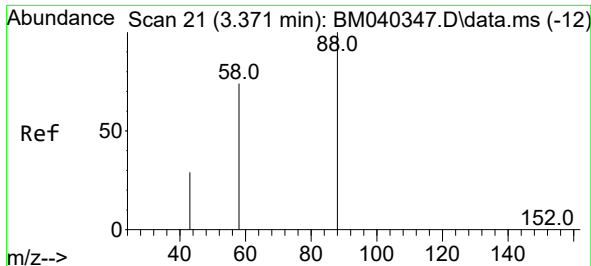
Instrument :
 BNA_M
 ClientSampleId :
 SST0.2023

Quant Time: Jun 23 00:37:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 23 00:36:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	6208	0.400	ng/ul	0.00
4) Naphthalene-d8	10.762	136	20720	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.591	164	9680	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.337	188	18289	0.400	ng/ul	0.00
17) Chrysene-d12	21.518	240	13483	0.400	ng/ul	0.00
23) Perylene-d12	23.932	264	14489	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.333	96	2046	0.210	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.351	152	5747	0.198	ng/ul	0.00
18) Fluoranthene-d10	19.361	212	8548	0.198	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.371	88	2038	0.205	ng/ul#	86
5) Naphthalene	10.811	128	11615	0.203	ng/ul	98
7) 2-Methylnaphthalene	12.422	142	6620	0.197	ng/ul	99
8) 1-Methylnaphthalene	12.642	142	6626	0.198	ng/ul	99
10) Acenaphthylene	14.313	152	8569	0.198	ng/ul	98
11) Acenaphthene	14.656	153	7255	0.199	ng/ul	100
12) Fluorene	15.641	166	7716	0.198	ng/ul	100
14) Pentachlorophenol	17.016	266	583	0.166	ng/ul	87
15) Phenanthrene	17.379	178	11316	0.199	ng/ul	99
16) Anthracene	17.472	178	9142	0.191	ng/ul	97
19) Fluoranthene	19.394	202	11238	0.196	ng/ul	99
20) Pyrene	19.756	202	12321	0.201	ng/ul	98
21) Benzo(a)anthracene	21.500	228	8795	0.193	ng/ul	99
22) Chrysene	21.553	228	10254	0.197	ng/ul	99
24) Benzo(b)fluoranthene	23.193	252	10829	0.193	ng/ul	86
25) Benzo(k)fluoranthene	23.242	252	10743	0.194	ng/ul#	86
26) Benzo(a)pyrene	23.824	252	9928	0.197	ng/ul#	81
27) Indeno(1,2,3-cd)pyrene	26.437	276	13731	0.195	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.457	278	10643	0.193	ng/ul	95
29) Benzo(g,h,i)perylene	27.209	276	12104	0.196	ng/ul	97

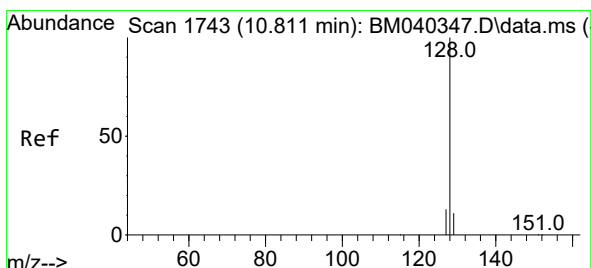
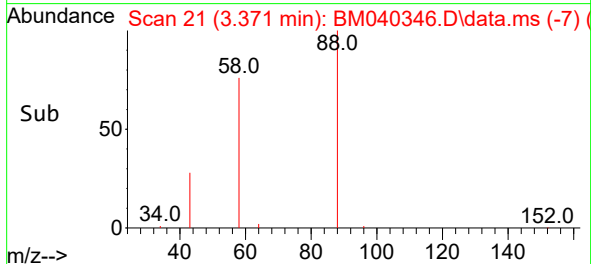
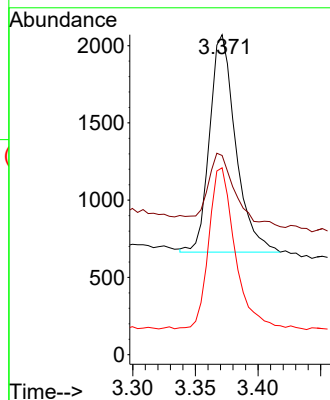
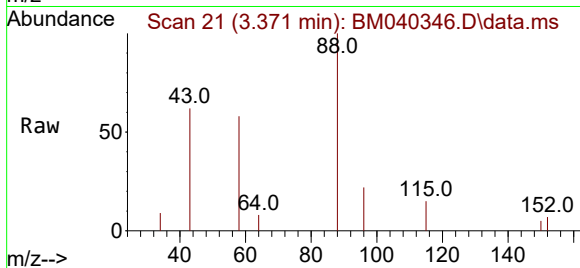
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
1,4-Dioxane
Concen: 0.205 ng/ul
RT: 3.371 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM040346.D
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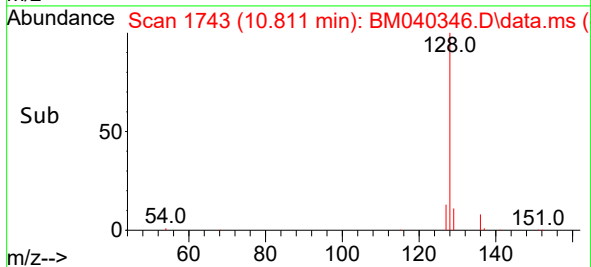
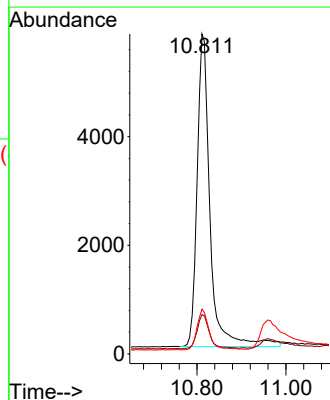
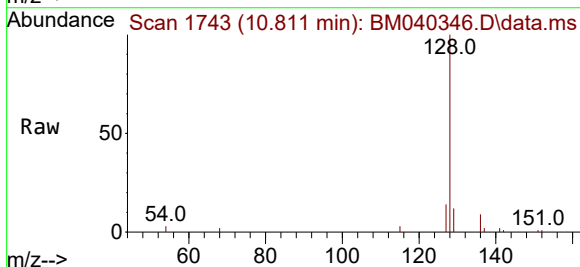
Instrument :
BNA_M
ClientSampleId :
SSTD0.2023

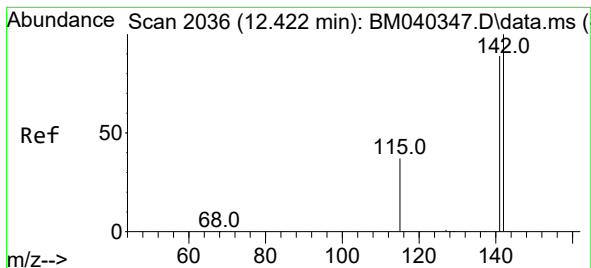
Tgt Ion: 88 Resp: 2038
Ion Ratio Lower Upper
88 100
43 62.2 36.1 54.1#
58 58.4 49.8 74.8



#5
Naphthalene
Concen: 0.203 ng/ul
RT: 10.811 min Scan# 1743
Delta R.T. 0.000 min
Lab File: BM040346.D
Acq: 22 Jun 2023 13:33

Tgt Ion: 128 Resp: 11615
Ion Ratio Lower Upper
128 100
129 12.3 9.2 13.8
127 14.0 10.6 15.8

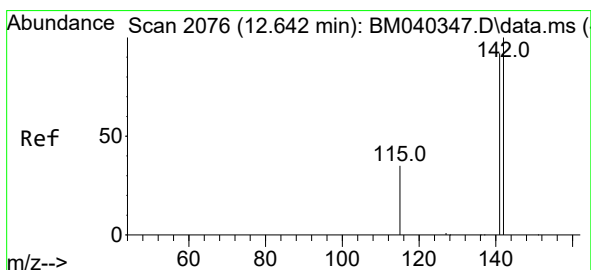
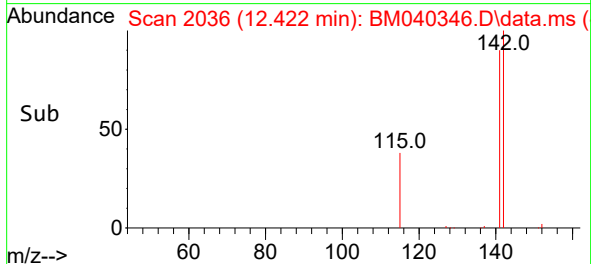
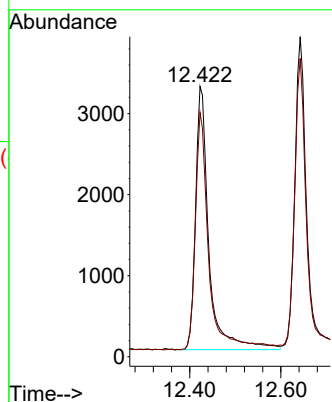
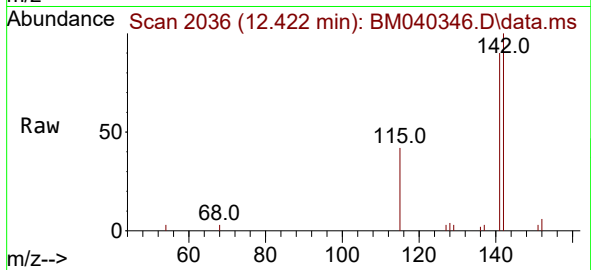




#7
2-Methylnaphthalene
Concen: 0.197 ng/ul
RT: 12.422 min Scan# 2036
Delta R.T. 0.000 min
Lab File: BM040346.D
Acq: 22 Jun 2023 13:33

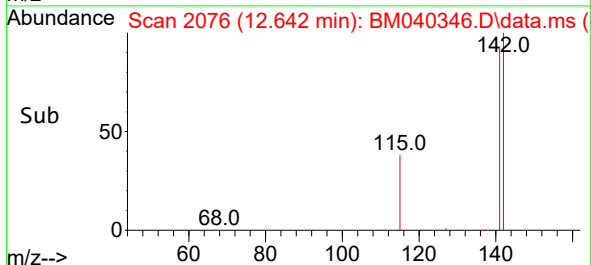
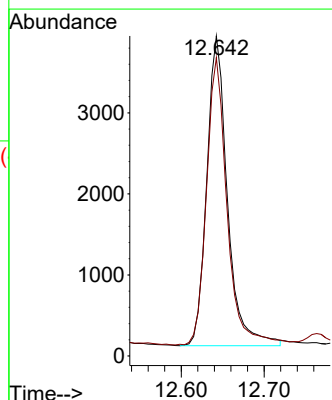
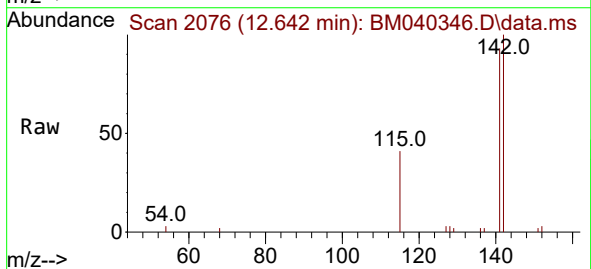
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BNA_M
ClientSampleId :
SSTD0.2023

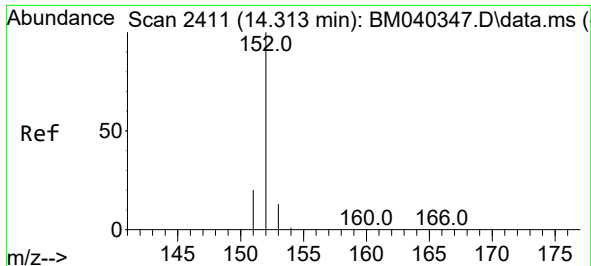
Tgt Ion:142 Resp: 6620
Ion Ratio Lower Upper
142 100
141 91.1 71.9 107.9



#8
1-Methylnaphthalene
Concen: 0.198 ng/ul
RT: 12.642 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BM040346.D
Acq: 22 Jun 2023 13:33

Tgt Ion:142 Resp: 6626
Ion Ratio Lower Upper
142 100
141 91.4 73.7 110.5

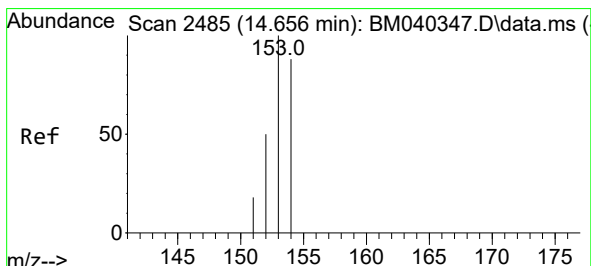
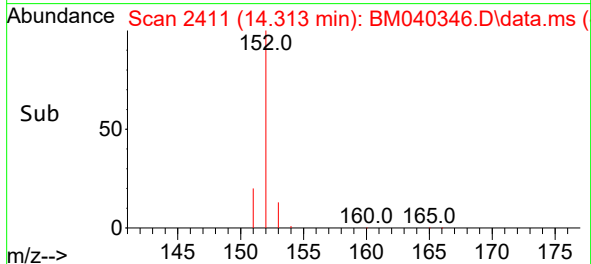
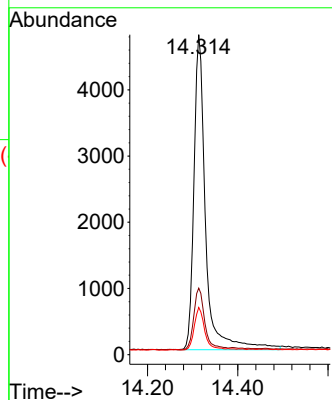
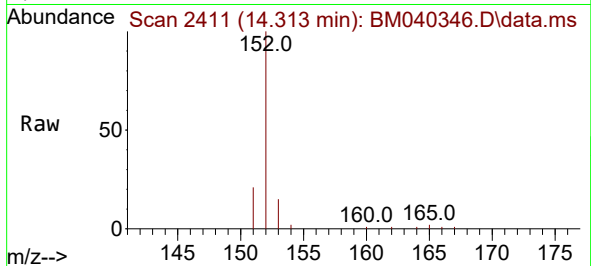




#10
Acenaphthylene
Concen: 0.198 ng/ul
RT: 14.313 min Scan# 2411
Delta R.T. 0.000 min
Lab File: BM040346.D
Acq: 22 Jun 2023 13:33

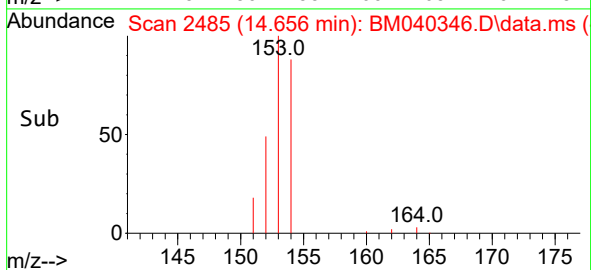
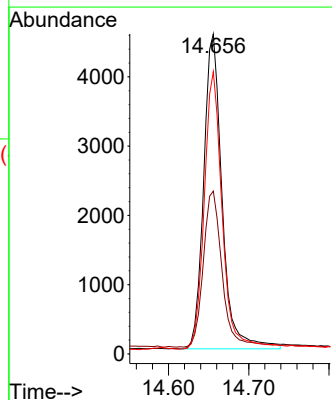
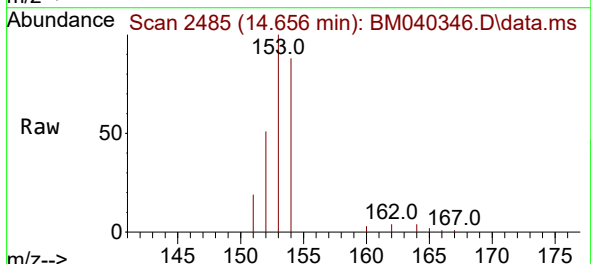
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ClientSampleId :
SSTD0.2023

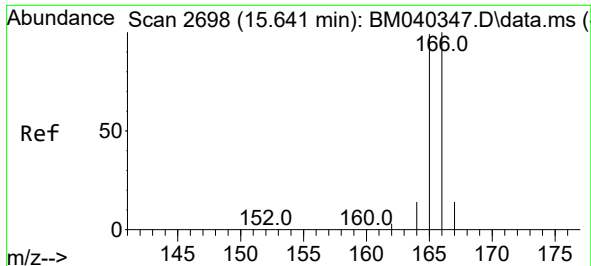
Tgt Ion:152 Resp: 8569
Ion Ratio Lower Upper
152 100
151 20.8 16.2 24.2
153 14.8 10.9 16.3



#11
Acenaphthene
Concen: 0.199 ng/ul
RT: 14.656 min Scan# 2485
Delta R.T. 0.000 min
Lab File: BM040346.D
Acq: 22 Jun 2023 13:33

Tgt Ion:153 Resp: 7255
Ion Ratio Lower Upper
153 100
152 50.9 41.0 61.4
154 88.2 70.8 106.2

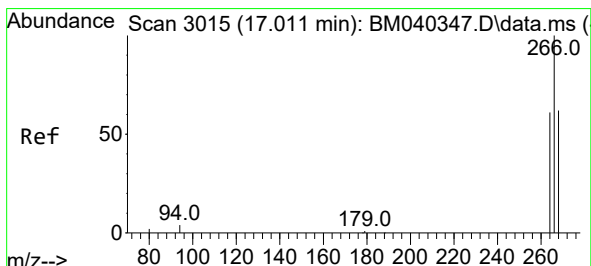
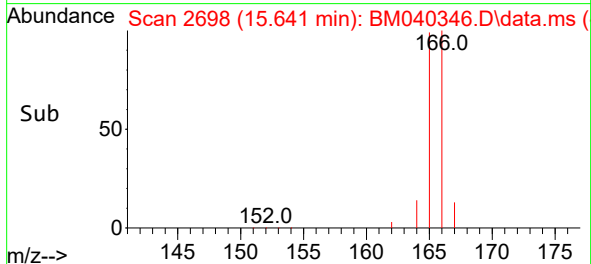
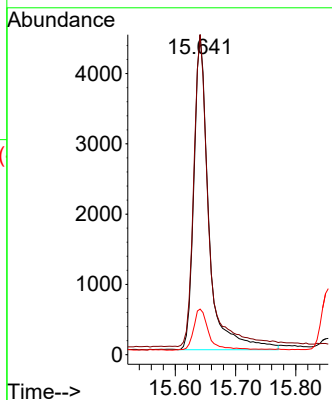
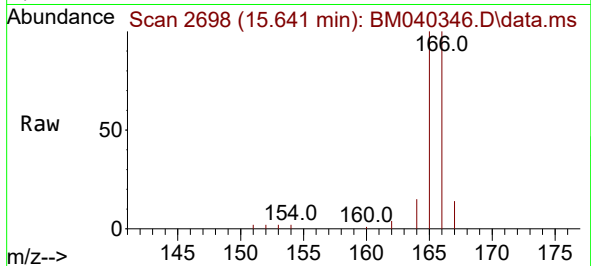




#12
Fluorene
Concen: 0.198 ng/ul
RT: 15.641 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BM040346.D
Acq: 22 Jun 2023 13:33

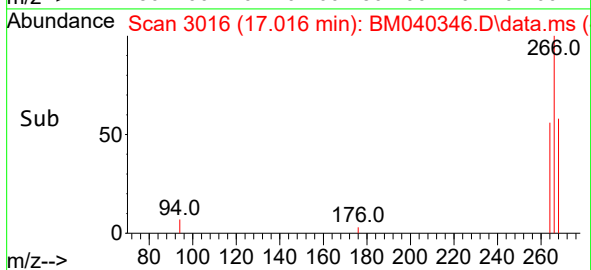
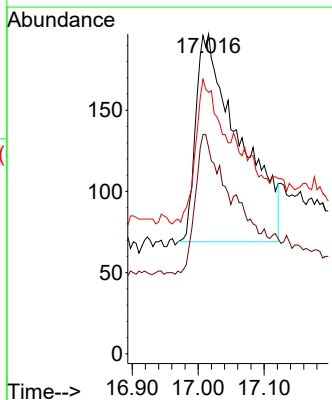
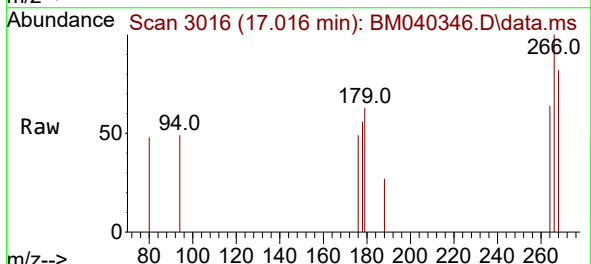
Instrument :
BNA_M
ClientSampleId :
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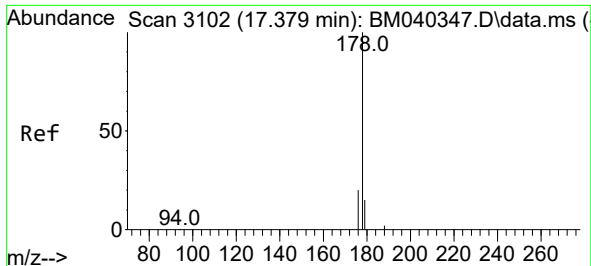
Tgt Ion:166	Resp:	7716
Ion Ratio	Lower	Upper
166	100	
165	100.0	79.6 119.4
167	14.2	11.4 17.0



#14
Pentachlorophenol
Concen: 0.166 ng/ul
RT: 17.016 min Scan# 3016
Delta R.T. 0.004 min
Lab File: BM040346.D
Acq: 22 Jun 2023 13:33

Tgt Ion:266	Resp:	583
Ion Ratio	Lower	Upper
266	100	
264	66.0	45.4 68.0
268	69.6	47.2 70.8

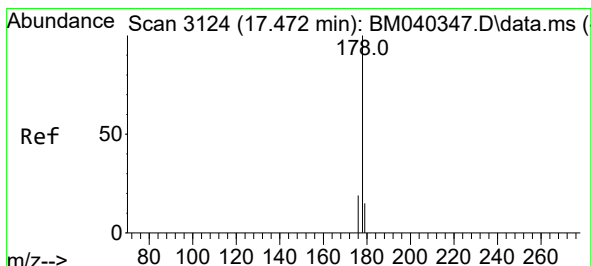
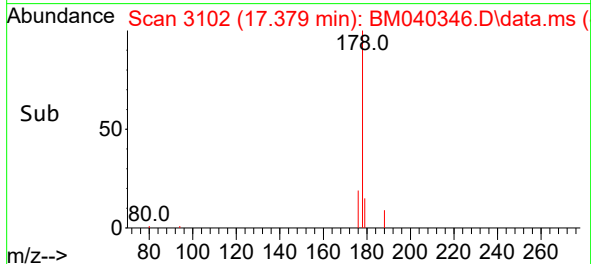
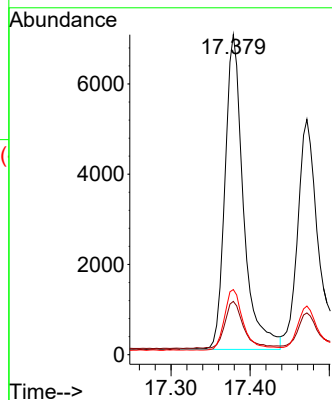
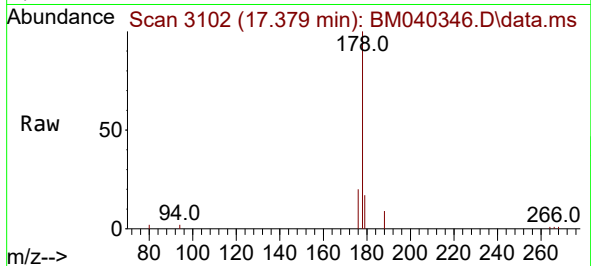




#15
Phenanthrene
Concen: 0.199 ng/ul
RT: 17.379 min Scan# 3102
Delta R.T. 0.000 min
Lab File: BM040346.D
Acq: 22 Jun 2023 13:33

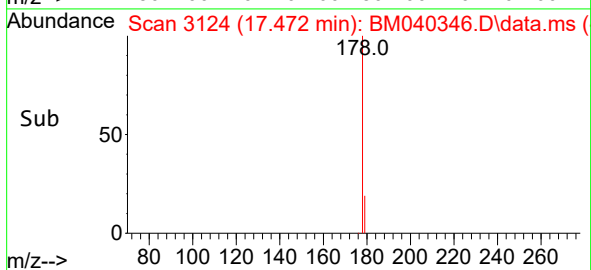
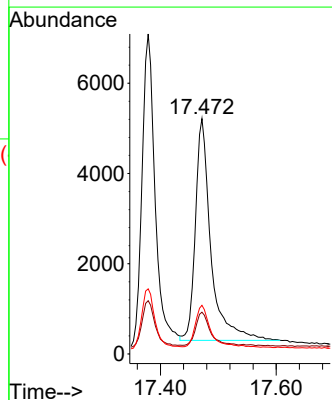
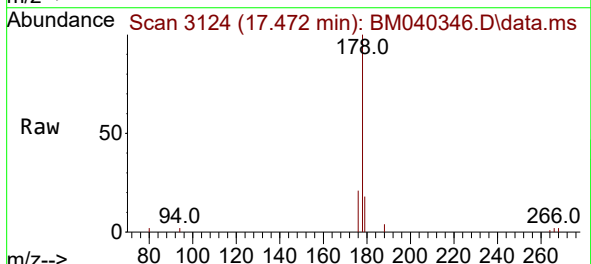
Instrument :
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ClientSampleId :
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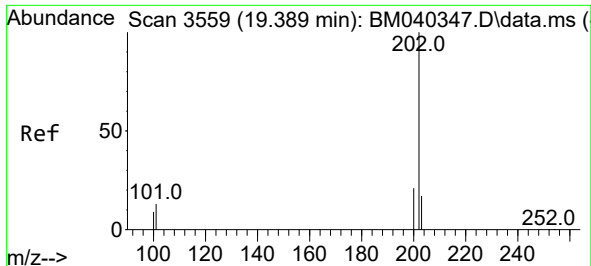
Tgt Ion:178 Resp: 11316
Ion Ratio Lower Upper
178 100
179 16.7 12.8 19.2
176 20.3 16.4 24.6



#16
Anthracene
Concen: 0.191 ng/ul
RT: 17.472 min Scan# 3124
Delta R.T. 0.000 min
Lab File: BM040346.D
Acq: 22 Jun 2023 13:33

Tgt Ion:178 Resp: 9142
Ion Ratio Lower Upper
178 100
179 17.7 12.9 19.3
176 20.6 15.8 23.6

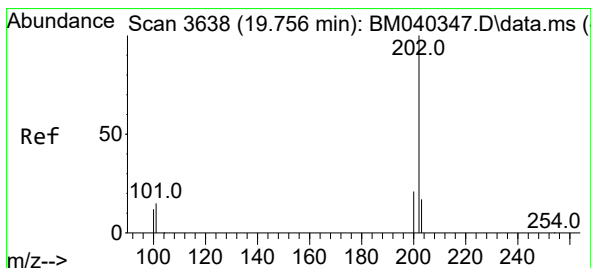
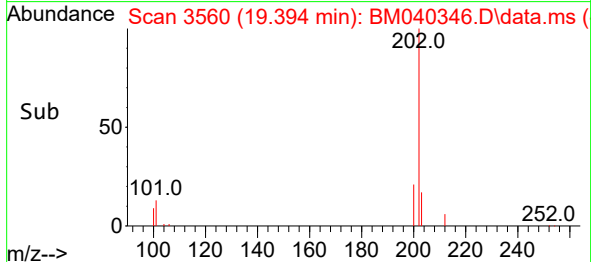
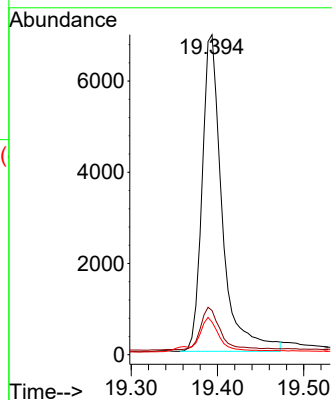
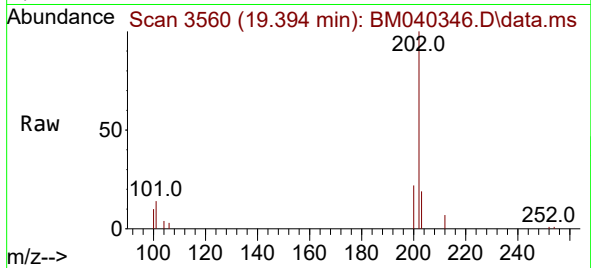




#19
Fluoranthene
Concen: 0.196 ng/ul
RT: 19.394 min Scan# 3560
Delta R.T. 0.005 min
Lab File: BM040346.D
Acq: 22 Jun 2023 13:33

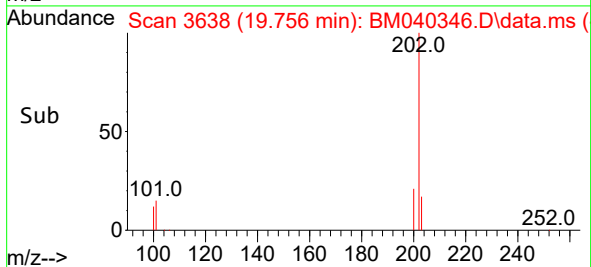
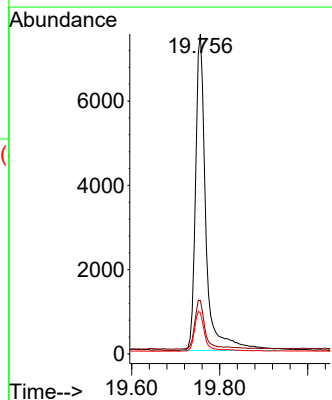
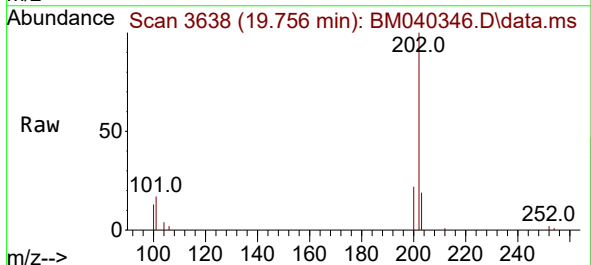
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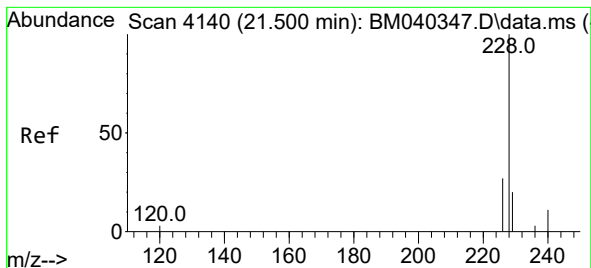
Tgt Ion:202 Resp: 11238
Ion Ratio Lower Upper
202 100
101 13.8 11.4 17.0
100 10.2 8.7 13.1



#20
Pyrene
Concen: 0.201 ng/ul
RT: 19.756 min Scan# 3638
Delta R.T. 0.000 min
Lab File: BM040346.D
Acq: 22 Jun 2023 13:33

Tgt Ion:202 Resp: 12321
Ion Ratio Lower Upper
202 100
101 16.7 12.6 18.8
100 12.8 9.8 14.6





#21

Benzo(a)anthracene

Concen: 0.193 ng/ul

RT: 21.500 min Scan# 4140

Delta R.T. 0.000 min

Lab File: BM040346.D

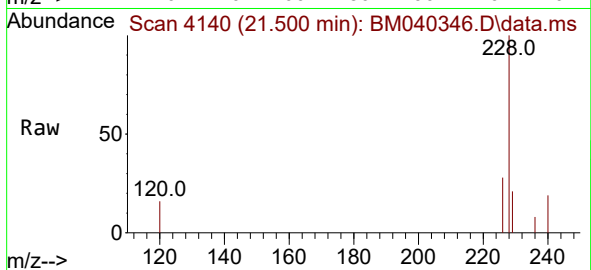
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Instrument :

BNA_M

ClientSampleId :

SSTD0.2023



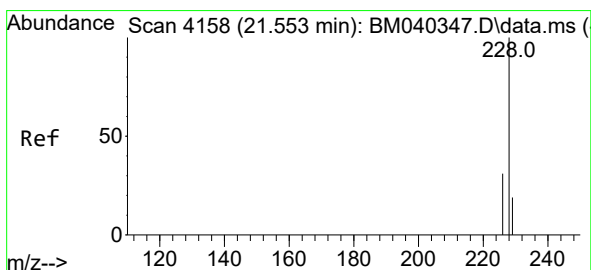
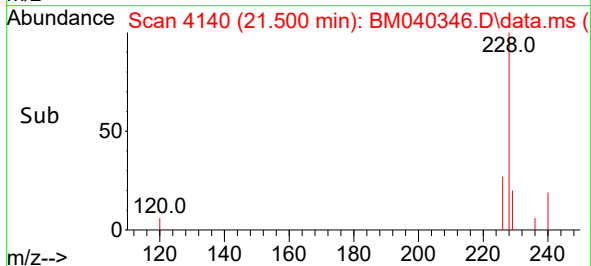
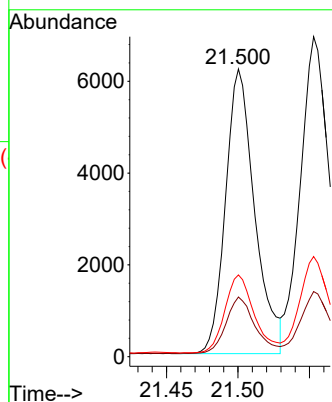
Tgt Ion:228 Resp: 8795

Ion Ratio Lower Upper

228 100

229 20.8 16.0 24.0

226 28.4 22.3 33.5



#22

Chrysene

Concen: 0.197 ng/ul

RT: 21.553 min Scan# 4158

Delta R.T. 0.000 min

Lab File: BM040346.D

Acq: 22 Jun 2023 13:33

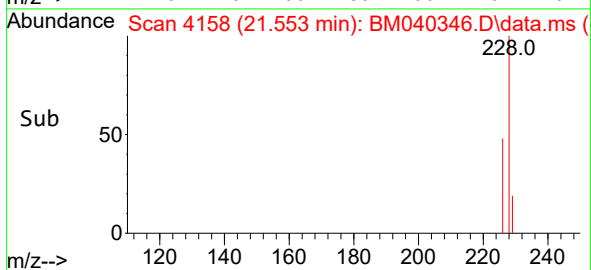
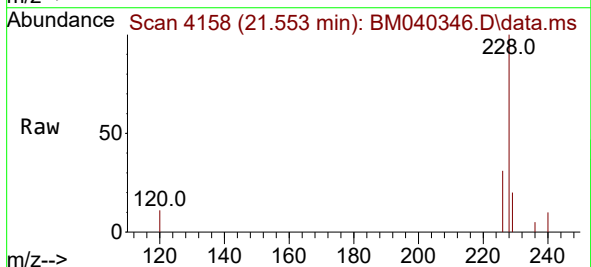
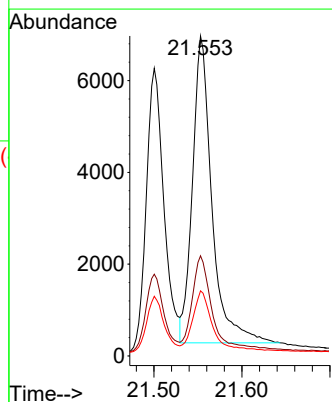
Tgt Ion:228 Resp: 10254

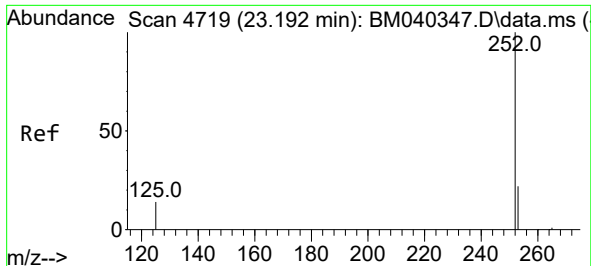
Ion Ratio Lower Upper

228 100

226 31.3 24.9 37.3

229 20.3 15.8 23.6

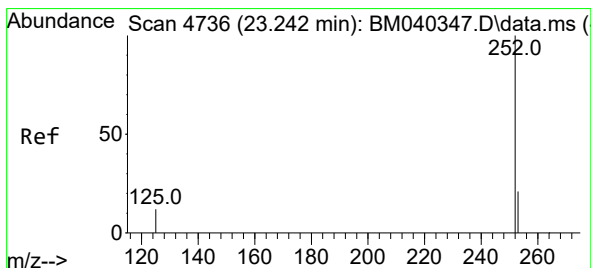
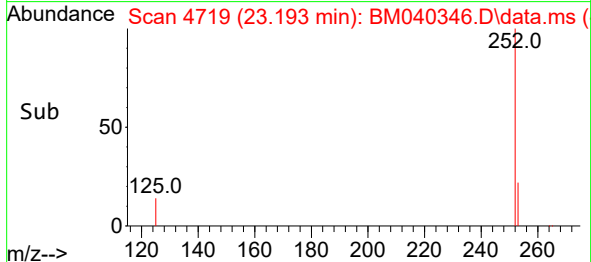
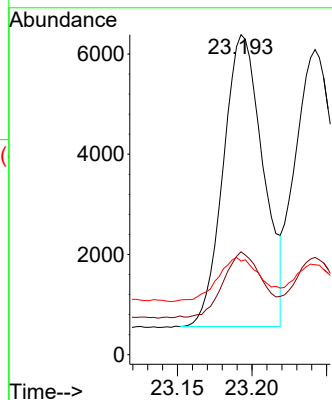
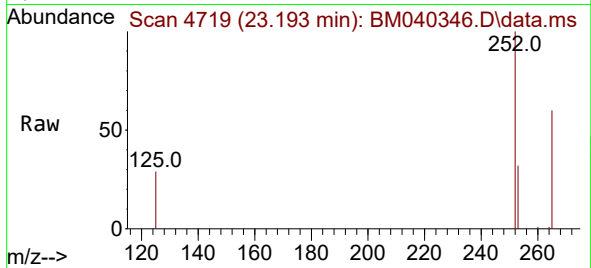




#24
Benzo(b)fluoranthene
Concen: 0.193 ng/ul
RT: 23.193 min Scan# 4719
Delta R.T. 0.000 min
Lab File: BM040346.D
Acq: 22 Jun 2023 13:33

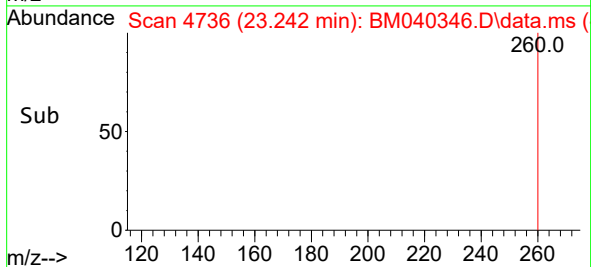
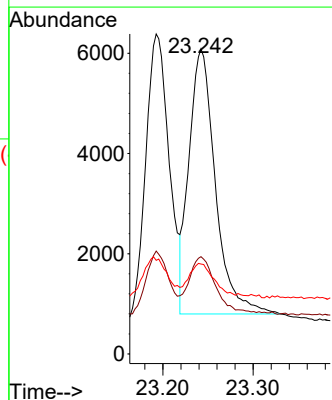
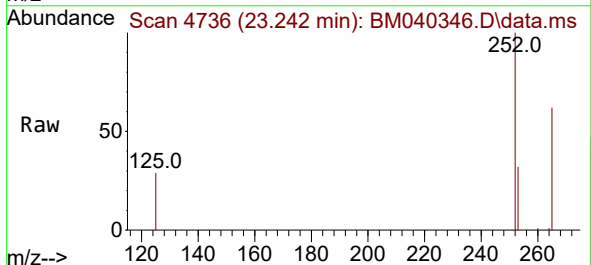
Instrument :
BNA_M
ClientSampleId :
SSTD0.2023

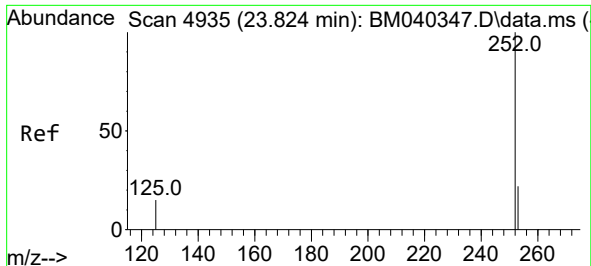
Tgt Ion:252 Resp: 10829
Ion Ratio Lower Upper
252 100
253 32.2 0.0 52.8
125 29.3 0.0 43.0



#25
Benzo(k)fluoranthene
Concen: 0.194 ng/ul
RT: 23.242 min Scan# 4736
Delta R.T. 0.000 min
Lab File: BM040346.D
Acq: 22 Jun 2023 13:33

Tgt Ion:252 Resp: 10743
Ion Ratio Lower Upper
252 100
253 31.9 21.2 31.8#
125 29.5 16.4 24.6#

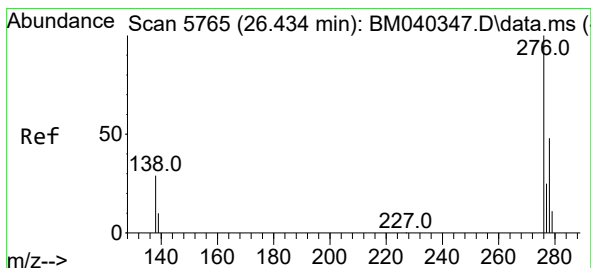
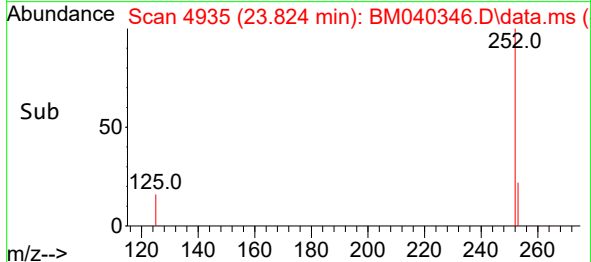
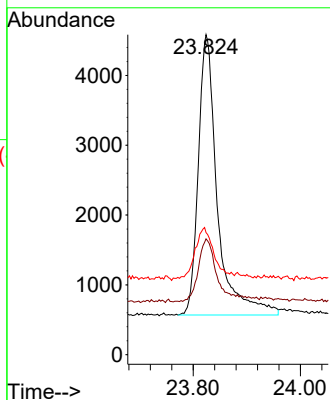
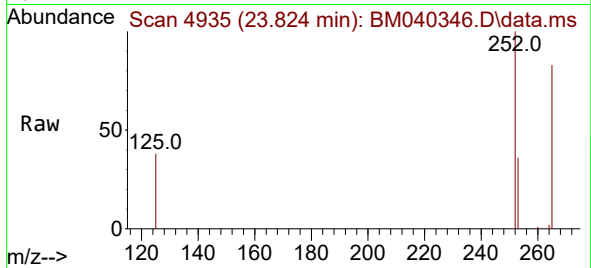




#26
Benzo(a)pyrene
Concen: 0.197 ng/ul
RT: 23.824 min Scan# 4935
Delta R.T. 0.000 min
Lab File: BM040346.D
Acq: 22 Jun 2023 13:33

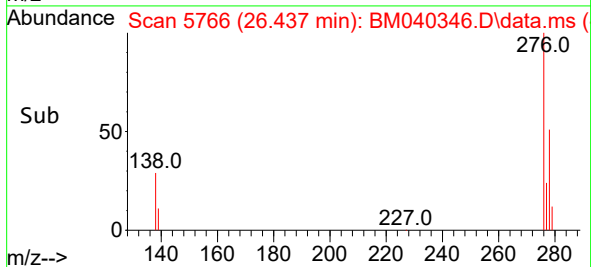
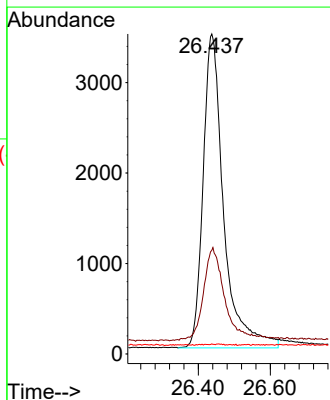
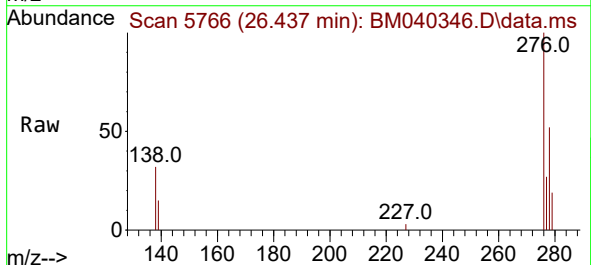
Instrument :
BNA_M
ClientSampleId :
SSTD0.2023

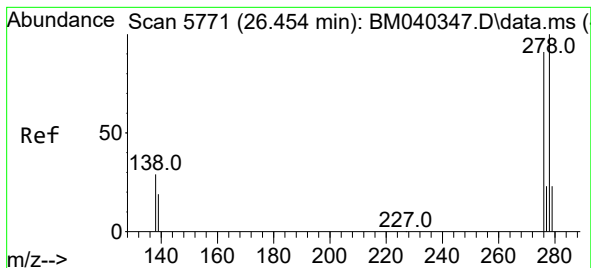
Tgt Ion:252 Resp: 9928
Ion Ratio Lower Upper
252 100
253 36.2 22.9 34.3#
125 38.1 21.0 31.4#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.195 ng/ul
RT: 26.437 min Scan# 5766
Delta R.T. 0.003 min
Lab File: BM040346.D
Acq: 22 Jun 2023 13:33

Tgt Ion:276 Resp: 13731
Ion Ratio Lower Upper
276 100
138 29.6 24.5 36.7
227 0.1 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.193 ng/ul

RT: 26.457 min Scan# 5

Delta R.T. 0.003 min

Lab File: BM040346.D

Acq: 22 Jun 2023 13:33

Instrument :

BNA_M

ClientSampleId :

SSTD0.2023

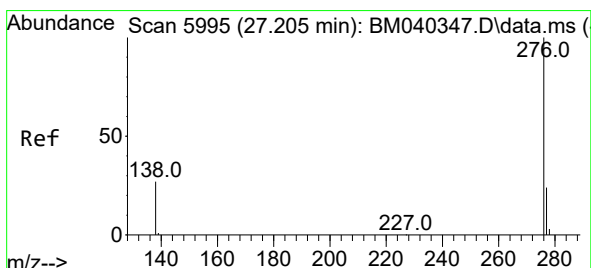
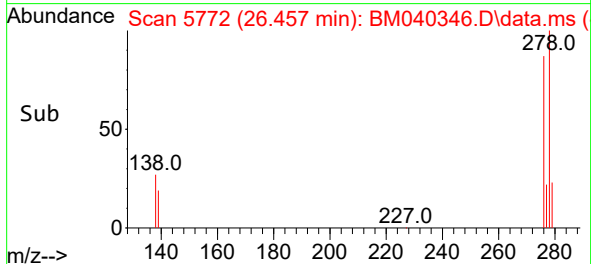
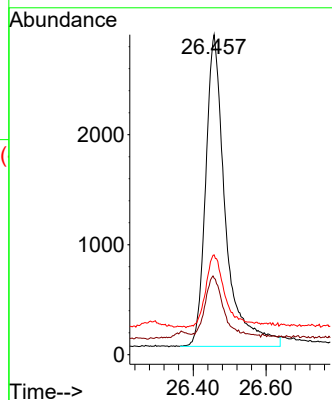
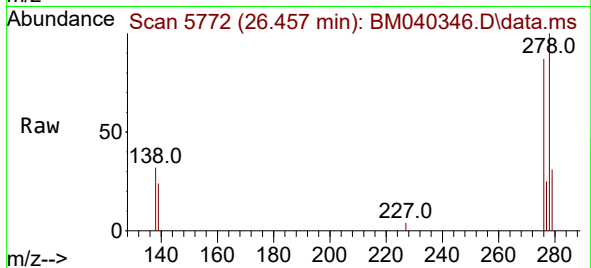
Tgt Ion:278 Resp: 10643

Ion Ratio Lower Upper

278 100

139 23.9 17.9 26.9

279 31.2 22.0 33.0



#29

Benzo(g,h,i)perylene

Concen: 0.196 ng/ul

RT: 27.209 min Scan# 5996

Delta R.T. 0.003 min

Lab File: BM040346.D

Acq: 22 Jun 2023 13:33

Tgt Ion:276 Resp: 12104

Ion Ratio Lower Upper

276 100

138 31.5 23.0 34.6

277 25.9 20.3 30.5

