

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071923\
 Data File : BM040967.D
 Acq On : 19 Jul 2023 22:06
 Operator : MA/JU
 Sample : SSTD3.299
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.2034

Quant Time: Jul 20 05:00:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 20 04:54:10 2023
 Response via : Initial Calibration

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

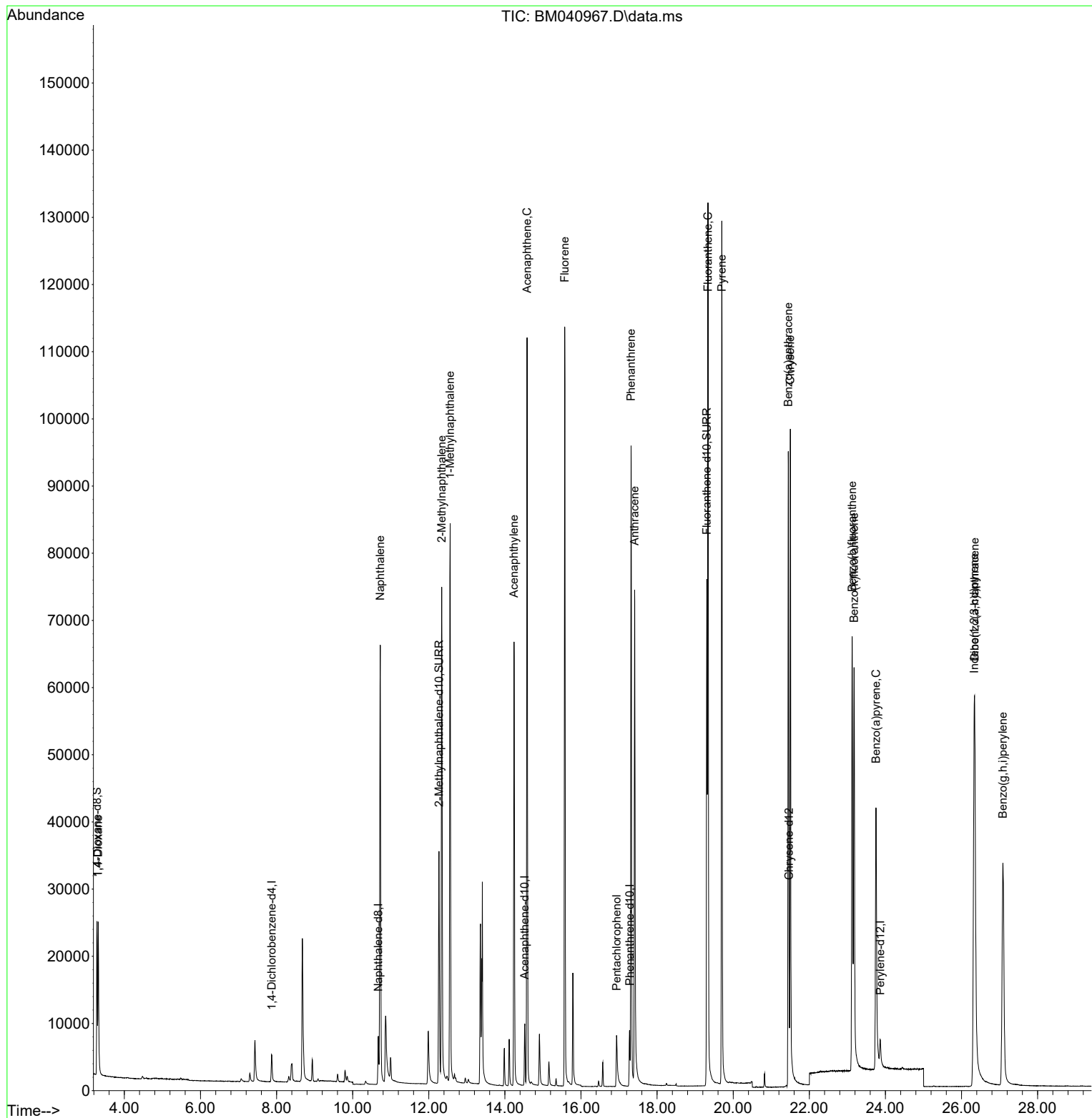
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.870	152	2610	0.400	ng/ul	0.00
4) Naphthalene-d8	10.675	136	9763	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.523	164	5036	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.278	188	9901	0.400	ng/ul	0.00
17) Chrysene-d12	21.466	240	7077	0.400	ng/ul	0.00
23) Perylene-d12	23.862	264	5815	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.279	96	13914	3.394	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.269	152	47937	3.502	ng/ul	-0.01
18) Fluoranthene-d10	19.306	212	83811	3.694	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.313	88	14533	3.483	ng/ul#	71
5) Naphthalene	10.724	128	91540	3.399	ng/ul	97
7) 2-Methylnaphthalene	12.341	142	54982	3.477	ng/ul	98
8) 1-Methylnaphthalene	12.561	142	56369	3.566	ng/ul	98
10) Acenaphthylene	14.240	152	77761	3.457	ng/ul	97
11) Acenaphthene	14.583	153	63282	3.331	ng/ul	99
12) Fluorene	15.573	166	70476	3.475	ng/ul	99
14) Pentachlorophenol	16.936	266	8221	4.312	ng/ul	98
15) Phenanthrene	17.316	178	101691	3.307	ng/ul	99
16) Anthracene	17.409	178	89729	3.472	ng/ul	96
19) Fluoranthene	19.338	202	107214	3.566	ng/ul	97
20) Pyrene	19.701	202	109445	3.396	ng/ul	99
21) Benzo(a)anthracene	21.448	228	83137	3.473	ng/ul	99
22) Chrysene	21.501	228	85642	3.136	ng/ul	99
24) Benzo(b)fluoranthene	23.126	252	84014	3.733	ng/ul	84
25) Benzo(k)fluoranthene	23.175	252	80960	3.650	ng/ul#	84
26) Benzo(a)pyrene	23.751	252	68454	3.377	ng/ul#	74
27) Indeno(1,2,3-cd)pyrene	26.330	276	90661	3.211	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.347	278	71113	3.217	ng/ul#	86
29) Benzo(g,h,i)perylene	27.088	276	78286	3.164	ng/ul	94

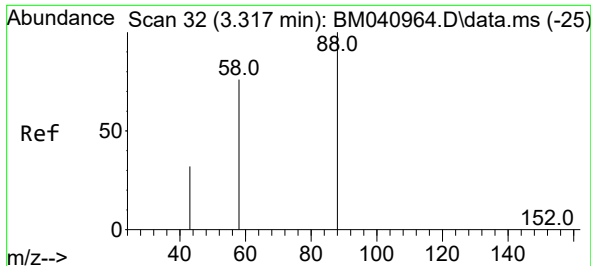
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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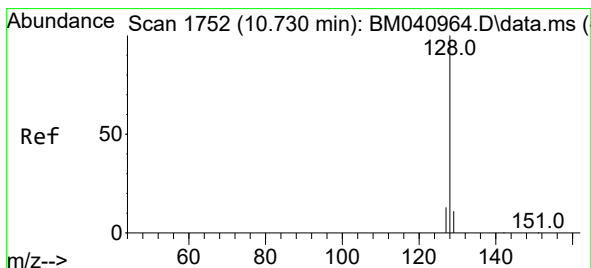
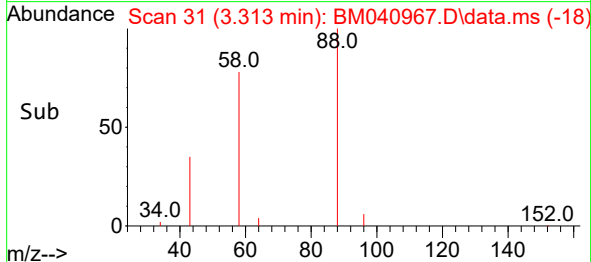
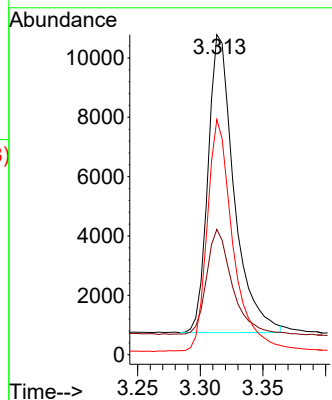
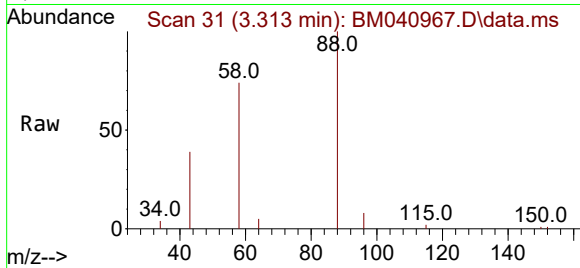




#2
1,4-Dioxane
Concen: 3.483 ng/ul
RT: 3.313 min Scan# 31
Delta R.T. -0.004 min
Lab File: BM040967.D
Acq: 19 Jul 2023 22:06

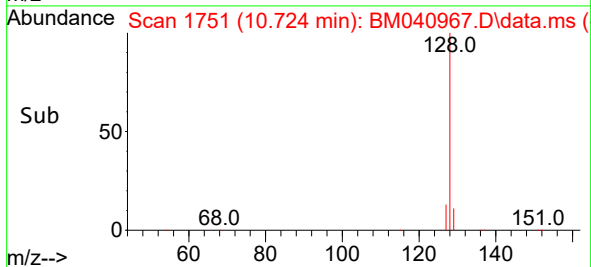
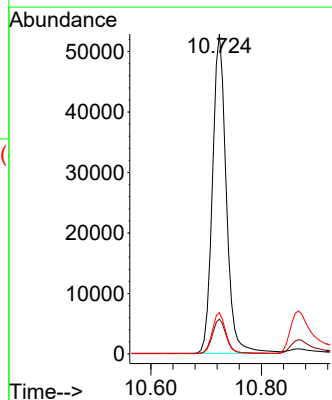
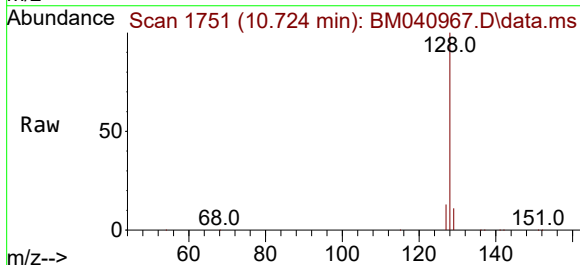
Instrument :
BNA_M
ClientSampleId :
SSTD3.2034

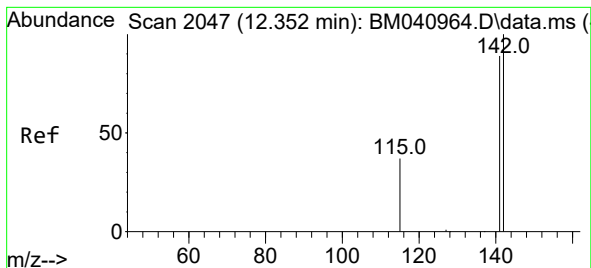
Tgt Ion: 88 Resp: 14533
Ion Ratio Lower Upper
88 100
43 39.1 46.7 70.1#
58 73.5 40.3 60.5#



#5
Naphthalene
Concen: 3.399 ng/ul
RT: 10.724 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BM040967.D
Acq: 19 Jul 2023 22:06

Tgt Ion: 128 Resp: 91540
Ion Ratio Lower Upper
128 100
129 10.9 9.8 14.8
127 12.9 11.0 16.4

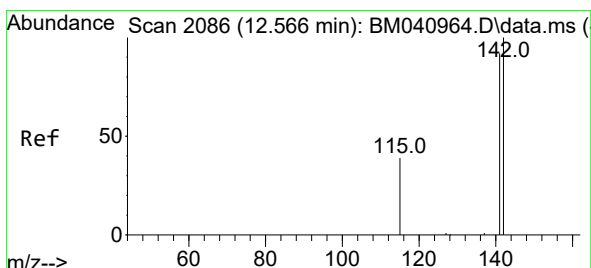
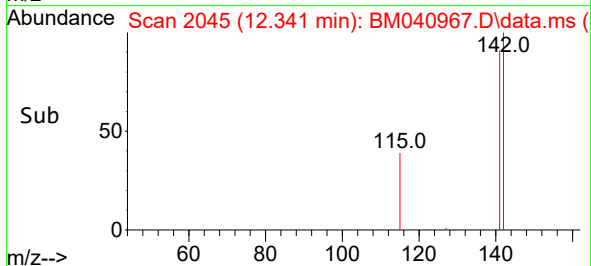
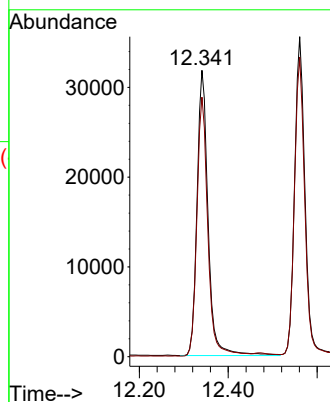
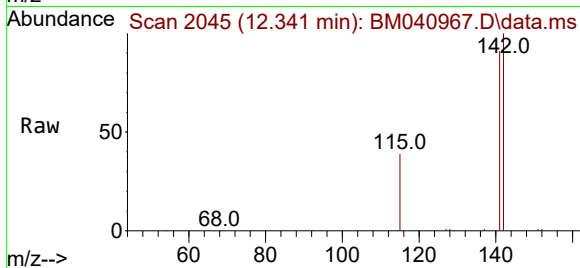




#7
2-Methylnaphthalene
Concen: 3.477 ng/ul
RT: 12.341 min Scan# 2045
Delta R.T. -0.011 min
Lab File: BM040967.D
Acq: 19 Jul 2023 22:06

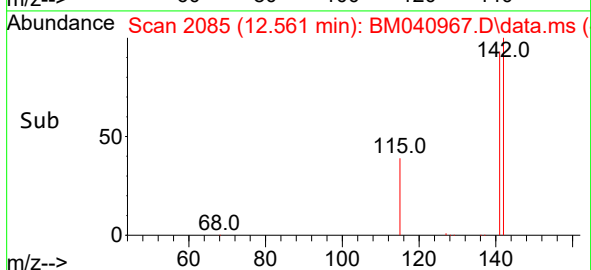
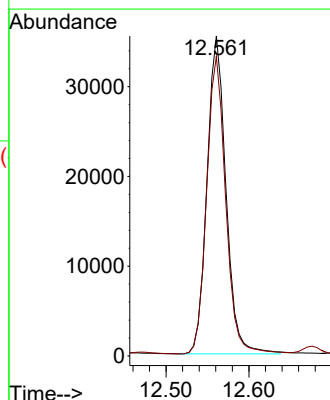
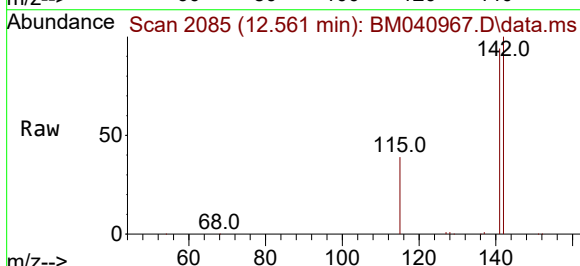
Instrument :
BNA_M
ClientSampleId :
SSTD3.2034

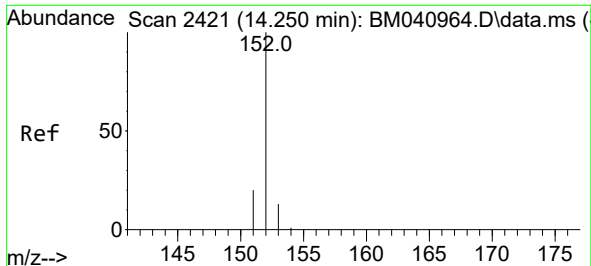
Tgt Ion:142 Resp: 54982
Ion Ratio Lower Upper
142 100
141 89.7 73.2 109.8



#8
1-Methylnaphthalene
Concen: 3.566 ng/ul
RT: 12.561 min Scan# 2085
Delta R.T. -0.006 min
Lab File: BM040967.D
Acq: 19 Jul 2023 22:06

Tgt Ion:142 Resp: 56369
Ion Ratio Lower Upper
142 100
141 93.7 73.4 110.2

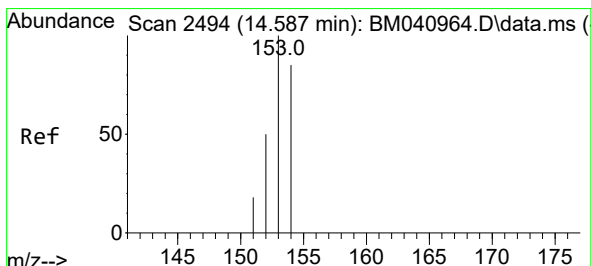
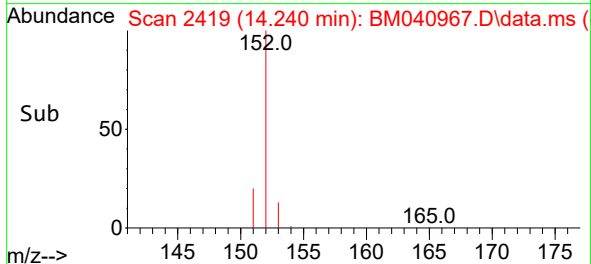
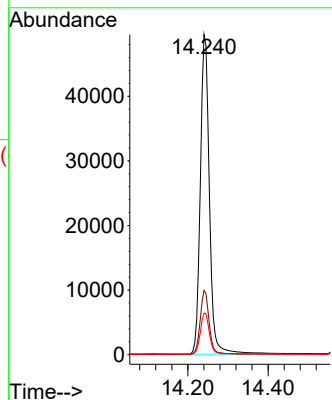
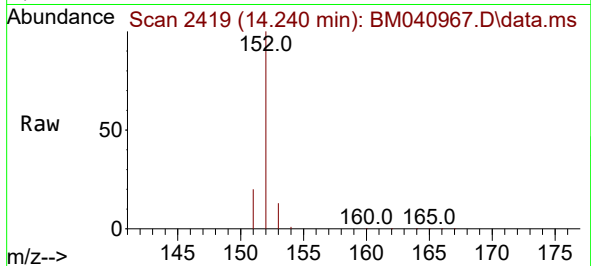




#10
Acenaphthylene
Concen: 3.457 ng/ul
RT: 14.240 min Scan# 2419
Delta R.T. -0.009 min
Lab File: BM040967.D
Acq: 19 Jul 2023 22:06

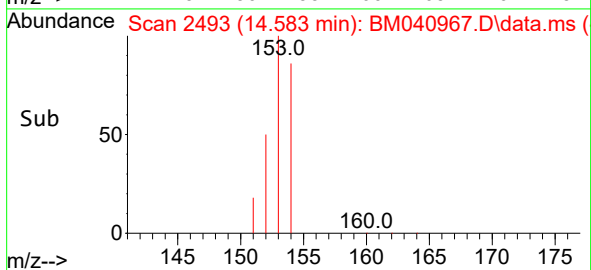
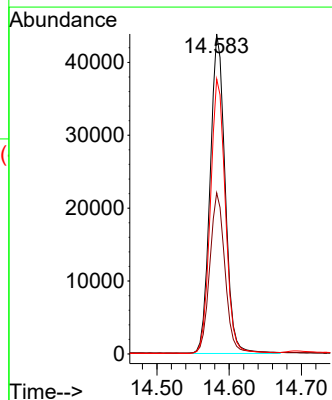
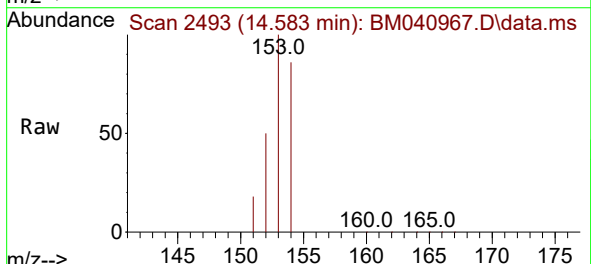
Instrument :
BNA_M
ClientSampleId :
SSTD3.2034

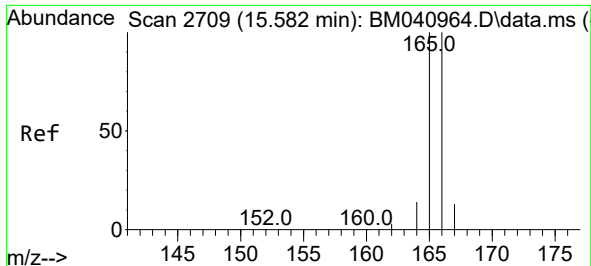
Tgt Ion:152 Resp: 77761
Ion Ratio Lower Upper
152 100
151 20.0 16.8 25.2
153 13.0 11.6 17.4



#11
Acenaphthene
Concen: 3.331 ng/ul
RT: 14.583 min Scan# 2493
Delta R.T. -0.005 min
Lab File: BM040967.D
Acq: 19 Jul 2023 22:06

Tgt Ion:153 Resp: 63282
Ion Ratio Lower Upper
153 100
152 50.4 41.0 61.6
154 85.9 68.2 102.2

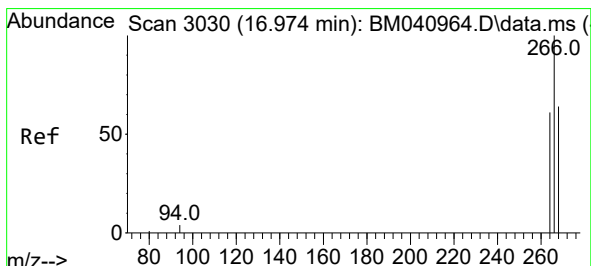
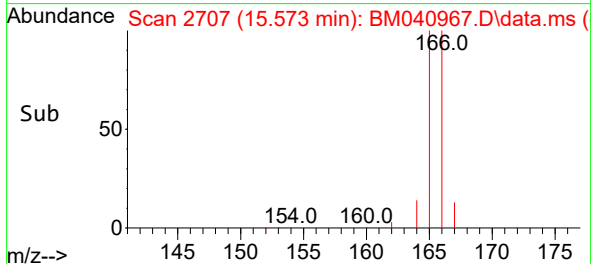
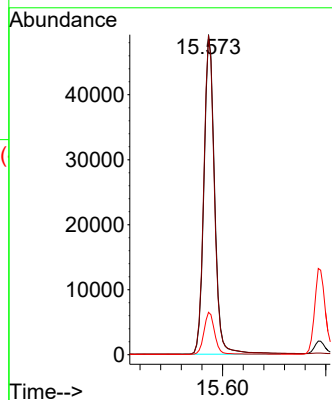
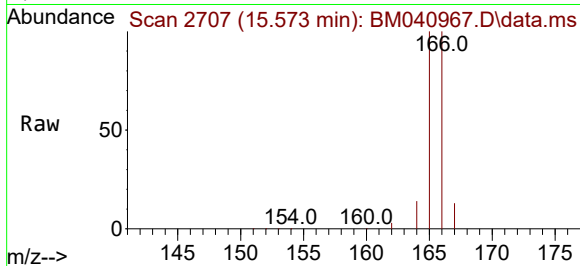




#12
Fluorene
Concen: 3.475 ng/ul
RT: 15.573 min Scan# 21
Delta R.T. -0.009 min
Lab File: BM040967.D
Acq: 19 Jul 2023 22:06

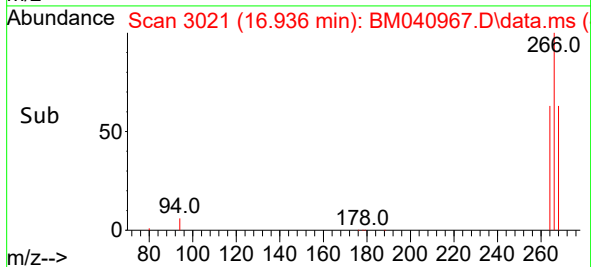
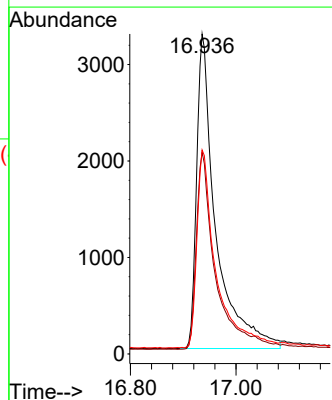
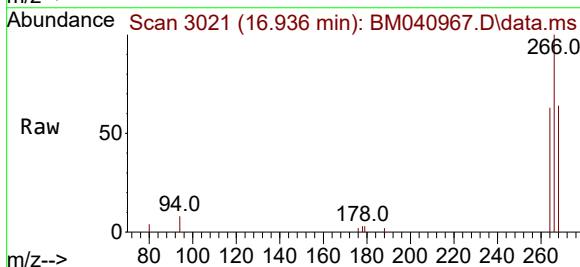
Instrument :
BNA_M
ClientSampleId :
SSTD3.2034

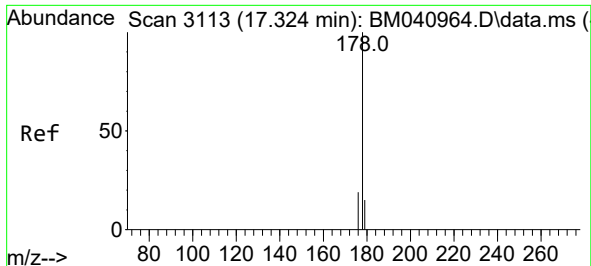
Tgt Ion:166 Resp: 70476
Ion Ratio Lower Upper
166 100
165 99.8 80.3 120.5
167 13.3 11.7 17.5



#14
Pentachlorophenol
Concen: 4.312 ng/ul
RT: 16.936 min Scan# 3021
Delta R.T. -0.038 min
Lab File: BM040967.D
Acq: 19 Jul 2023 22:06

Tgt Ion:266 Resp: 8221
Ion Ratio Lower Upper
266 100
264 62.9 50.7 76.1
268 63.6 52.8 79.2

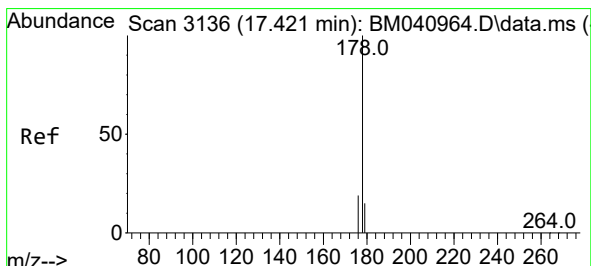
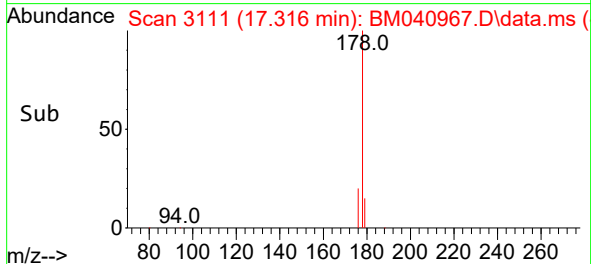
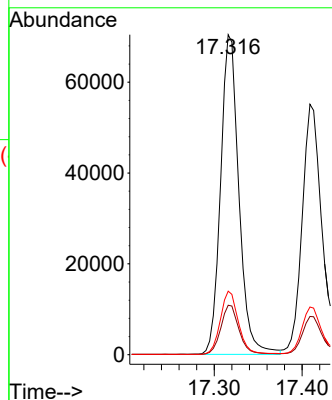
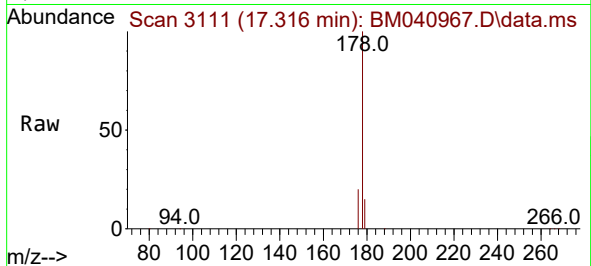




#15
Phenanthrene
Concen: 3.307 ng/ul
RT: 17.316 min Scan# 3111
Delta R.T. -0.008 min
Lab File: BM040967.D
Acq: 19 Jul 2023 22:06

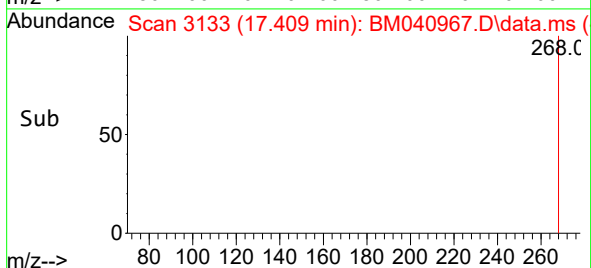
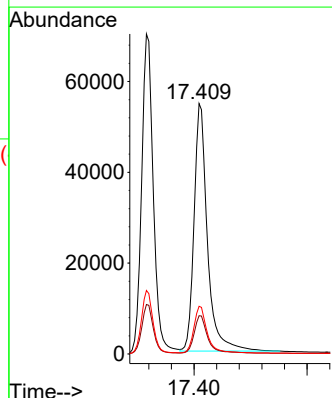
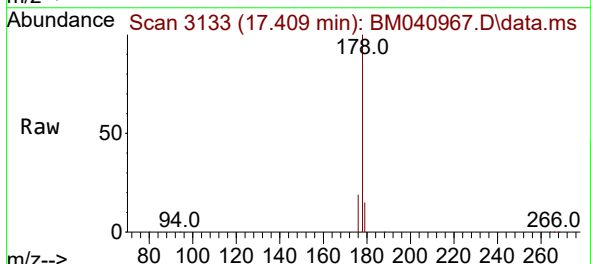
Instrument :
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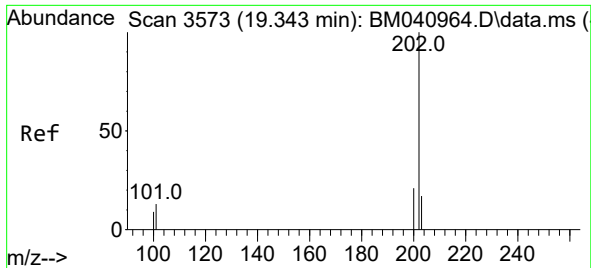
Tgt Ion:178 Resp: 101691
Ion Ratio Lower Upper
178 100
179 15.4 13.0 19.6
176 19.9 16.2 24.4



#16
Anthracene
Concen: 3.472 ng/ul
RT: 17.409 min Scan# 3133
Delta R.T. -0.013 min
Lab File: BM040967.D
Acq: 19 Jul 2023 22:06

Tgt Ion:178 Resp: 89729
Ion Ratio Lower Upper
178 100
179 15.3 13.7 20.5
176 19.0 16.4 24.6

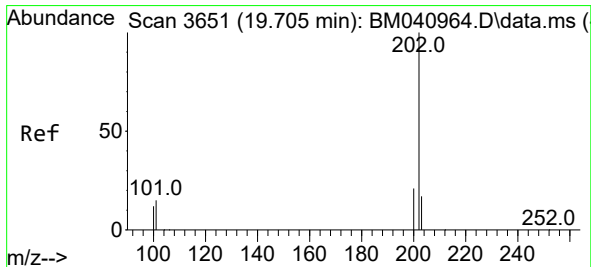
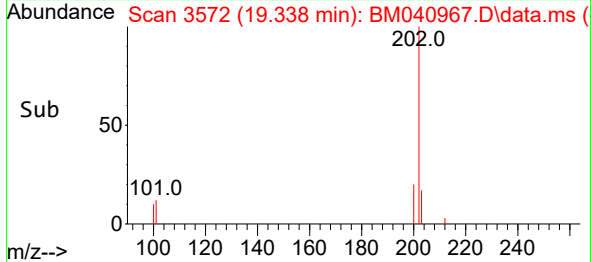
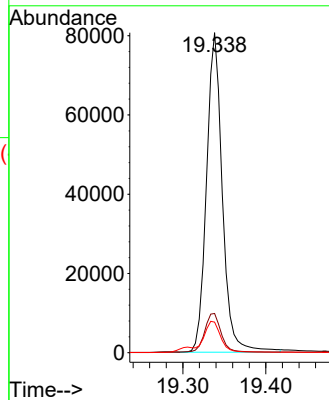
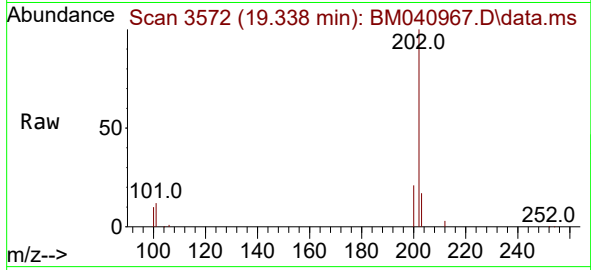




#19
Fluoranthene
Concen: 3.566 ng/ul
RT: 19.338 min Scan# 3572
Delta R.T. -0.005 min
Lab File: BM040967.D
Acq: 19 Jul 2023 22:06

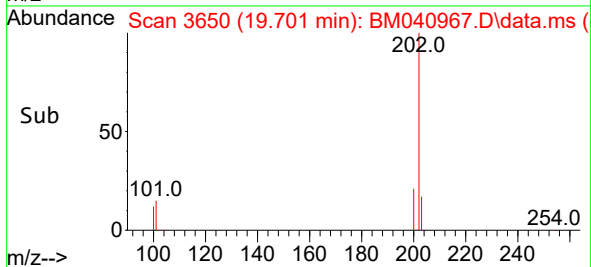
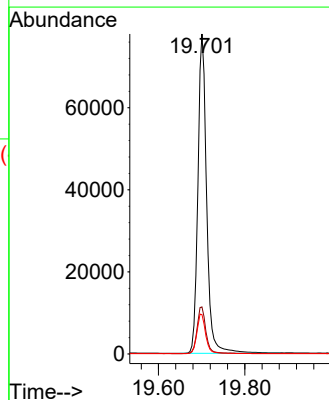
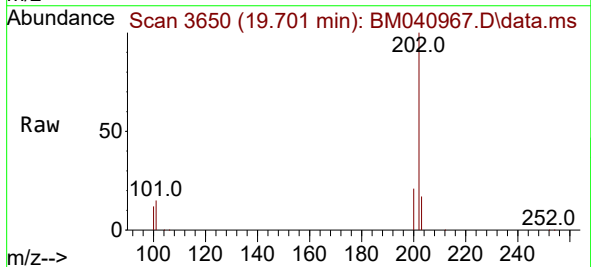
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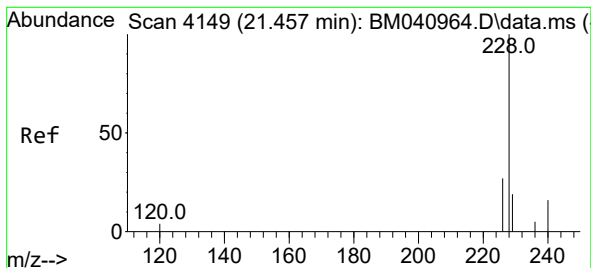
Tgt Ion:202 Resp: 107214
Ion Ratio Lower Upper
202 100
101 12.2 11.0 16.4
100 9.6 8.3 12.5



#20
Pyrene
Concen: 3.396 ng/ul
RT: 19.701 min Scan# 3650
Delta R.T. -0.005 min
Lab File: BM040967.D
Acq: 19 Jul 2023 22:06

Tgt Ion:202 Resp: 109445
Ion Ratio Lower Upper
202 100
101 14.7 12.5 18.7
100 12.3 10.0 15.0





#21

Benzo(a)anthracene

Concen: 3.473 ng/ul

RT: 21.448 min Scan# 4146

Delta R.T. -0.009 min

Lab File: BM040967.D

Acq: 19 Jul 2023 22:06

Instrument :

BNA_M

ClientSampleId :

SSTD3.2034

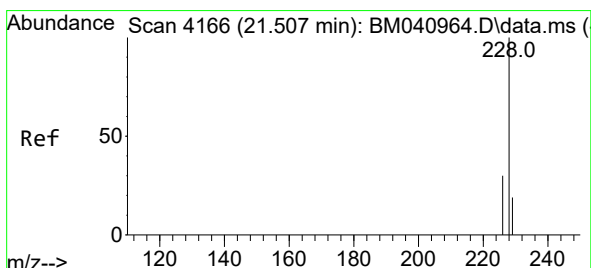
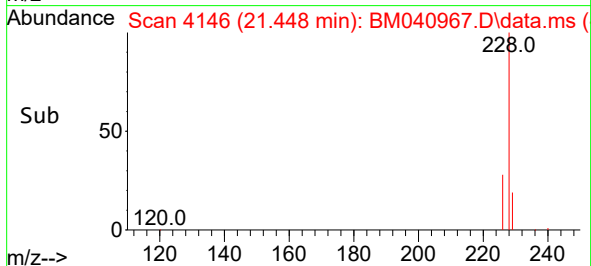
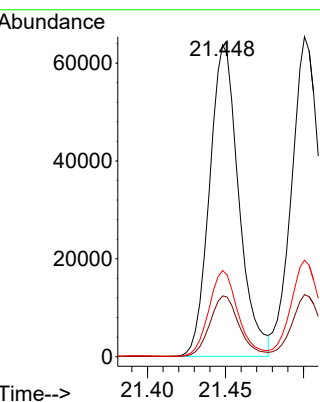
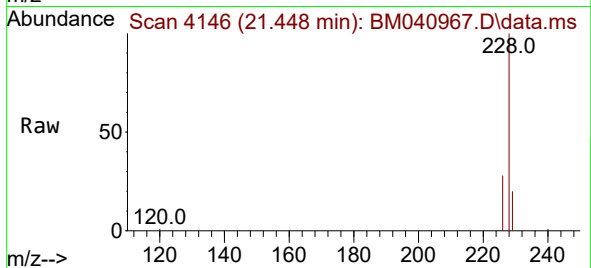
Tgt Ion:228 Resp: 83137

Ion Ratio Lower Upper

228 100

229 19.5 16.2 24.4

226 27.7 22.3 33.5



#22

Chrysene

Concen: 3.136 ng/ul

RT: 21.501 min Scan# 4164

Delta R.T. -0.006 min

Lab File: BM040967.D

Acq: 19 Jul 2023 22:06

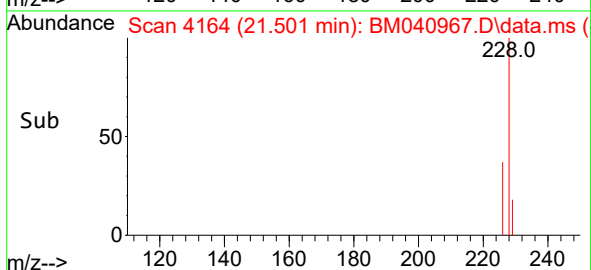
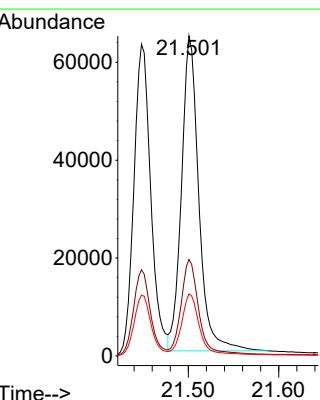
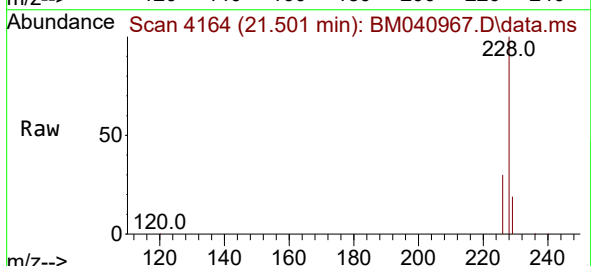
Tgt Ion:228 Resp: 85642

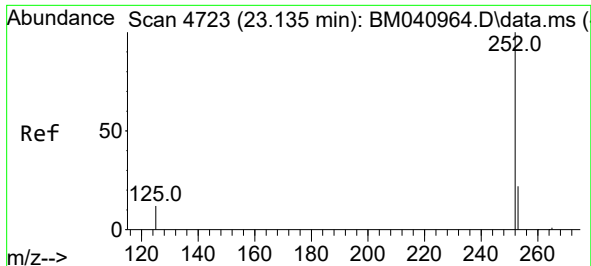
Ion Ratio Lower Upper

228 100

226 30.1 24.6 37.0

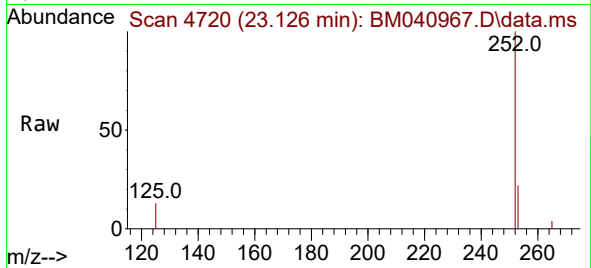
229 19.4 16.1 24.1



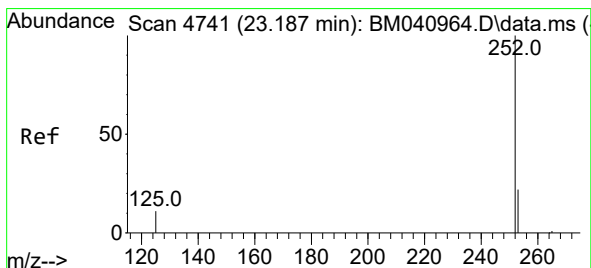
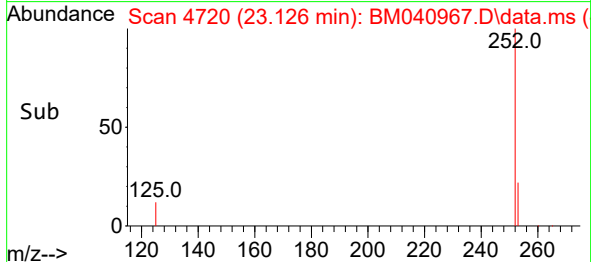
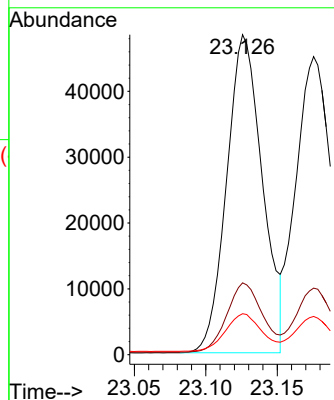


#24
Benzo(b)fluoranthene
Concen: 3.733 ng/ul
RT: 23.126 min Scan# 4720
Delta R.T. -0.009 min
Lab File: BM040967.D
Acq: 19 Jul 2023 22:06

Instrument :
BNA_M
ClientSampleId :
SSTD3.2034

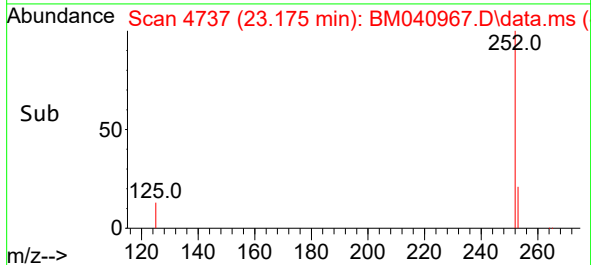
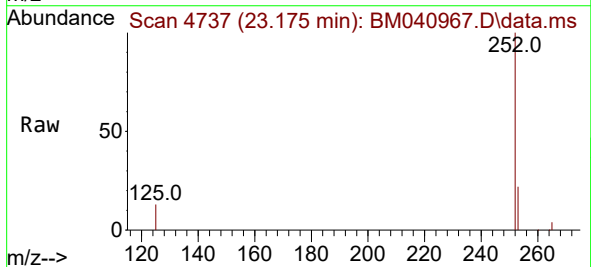
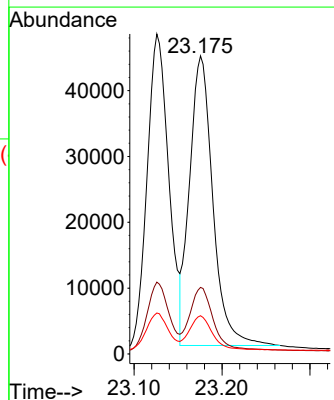


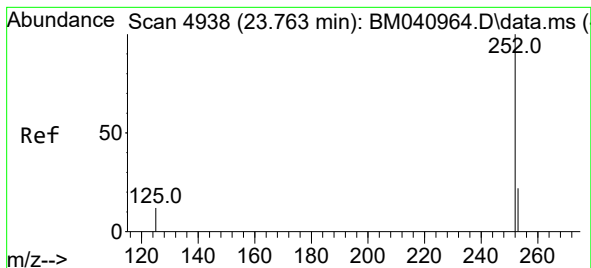
Tgt Ion:252 Resp: 84014
Ion Ratio Lower Upper
252 100
253 22.5 0.0 57.4
125 12.8 0.0 45.2



#25
Benzo(k)fluoranthene
Concen: 3.650 ng/ul
RT: 23.175 min Scan# 4737
Delta R.T. -0.012 min
Lab File: BM040967.D
Acq: 19 Jul 2023 22:06

Tgt Ion:252 Resp: 80960
Ion Ratio Lower Upper
252 100
253 22.3 23.3 34.9#
125 12.8 18.2 27.2#





#26

Benzo(a)pyrene

Concen: 3.377 ng/ul

RT: 23.751 min Scan# 4938

Delta R.T. -0.012 min

Lab File: BM040967.D

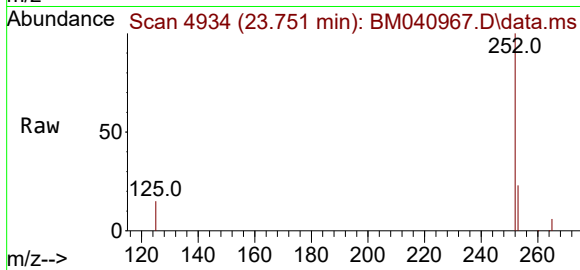
Acq: 19 Jul 2023 22:06

Instrument :

BNA_M

ClientSampleId :

SSTD3.2034



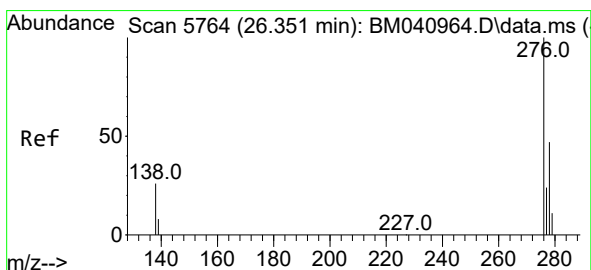
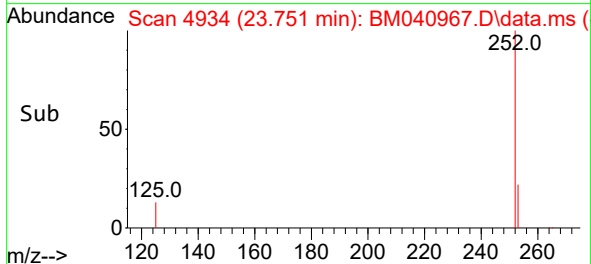
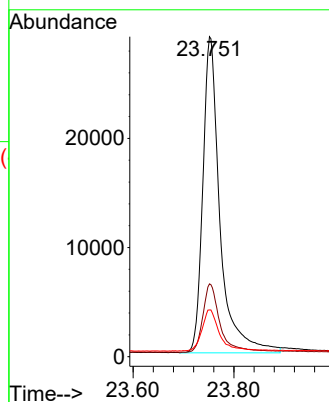
Tgt Ion:252 Resp: 68454

Ion Ratio Lower Upper

252 100

253 22.7 28.2 42.2#

125 14.6 25.2 37.8#



#27

Indeno(1,2,3-cd)pyrene

Concen: 3.211 ng/ul

RT: 26.330 min Scan# 5758

Delta R.T. -0.020 min

Lab File: BM040967.D

Acq: 19 Jul 2023 22:06

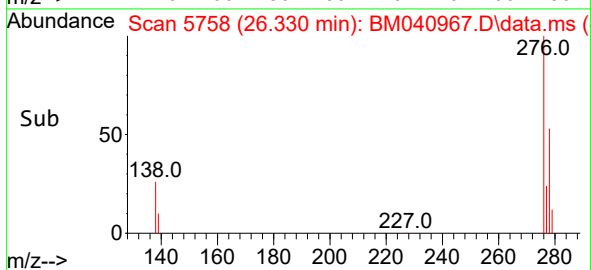
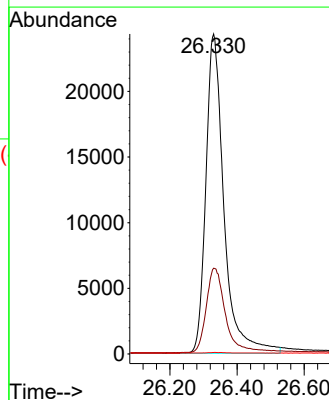
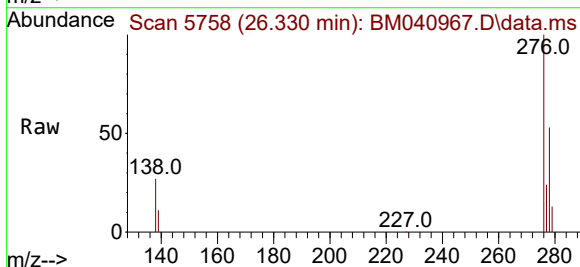
Tgt Ion:276 Resp: 90661

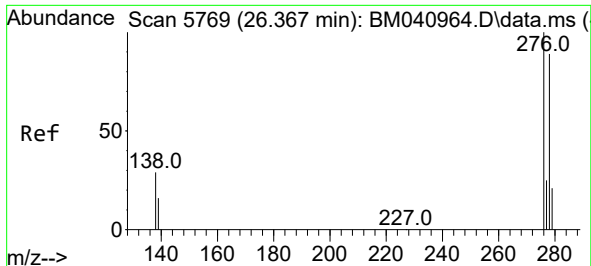
Ion Ratio Lower Upper

276 100

138 28.3 22.3 33.5

227 0.2 0.0 0.0#

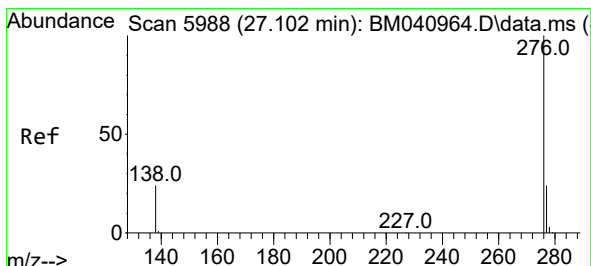
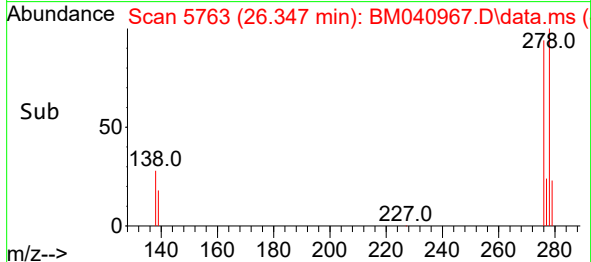
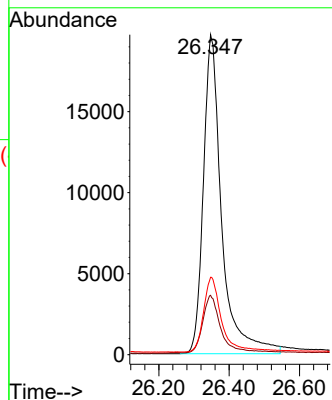
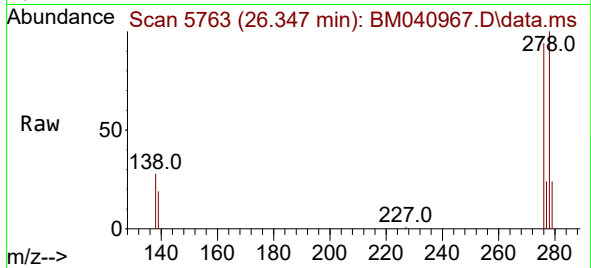




#28
 Dibenzo(a,h)anthracene
 Concen: 3.217 ng/ul
 RT: 26.347 min Scan# 51
 Delta R.T. -0.020 min
 Lab File: BM040967.D
 Acq: 19 Jul 2023 22:06

Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.2034

Tgt Ion:278 Resp: 71113
 Ion Ratio Lower Upper
 278 100
 139 18.5 19.2 28.8#
 279 24.2 27.0 40.6#



#29
 Benzo(g,h,i)perylene
 Concen: 3.164 ng/ul
 RT: 27.088 min Scan# 5984
 Delta R.T. -0.013 min
 Lab File: BM040967.D
 Acq: 19 Jul 2023 22:06

Tgt Ion:276 Resp: 78286
 Ion Ratio Lower Upper
 276 100
 138 24.7 22.6 34.0
 277 23.9 21.2 31.8

