

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041076.D
 Acq On : 24 Jul 2023 15:03
 Operator : MA/JU
 Sample : SSTD1.605
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.6040

Quant Time: Jul 25 00:08:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 24 16:22:33 2023
 Response via : Initial Calibration

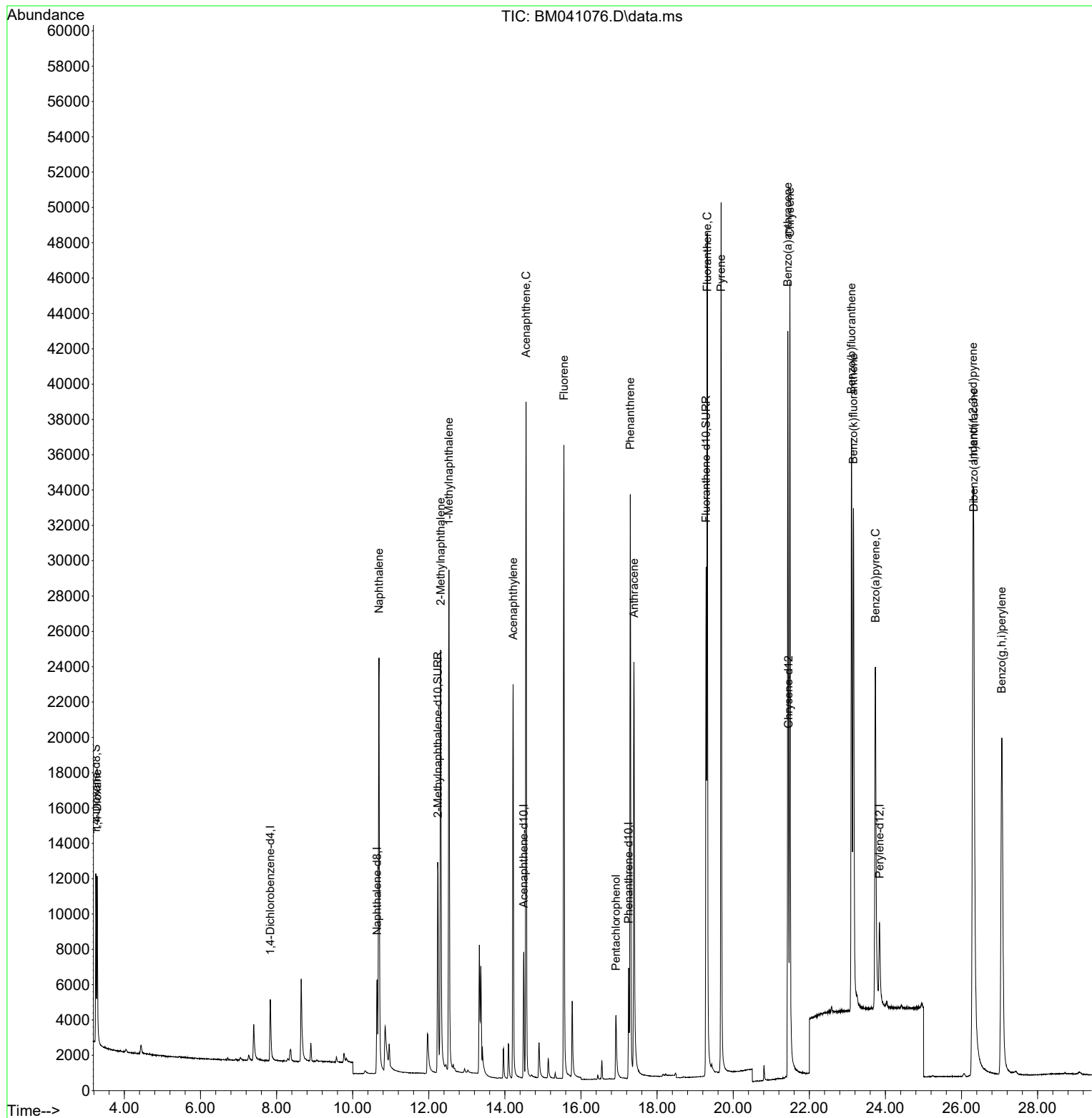
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.836	152	2466	0.400	ng/ul	0.00
4) Naphthalene-d8	10.642	136	8020	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.495	164	4046	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.253	188	8063	0.400	ng/ul	0.00
17) Chrysene-d12	21.454	240	7907	0.400	ng/ul	0.00
23) Perylene-d12	23.845	264	7345	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.254	96	5870	1.543	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.236	152	18605	1.625	ng/ul	-0.01
18) Fluoranthene-d10	19.287	212	34212	1.590	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.288	88	6094	1.568	ng/ul#	57
5) Naphthalene	10.691	128	35749	1.370	ng/ul	97
7) 2-Methylnaphthalene	12.313	142	20828	1.629	ng/ul	98
8) 1-Methylnaphthalene	12.528	142	21121	1.608	ng/ul	100
10) Acenaphthylene	14.217	152	27194	1.591	ng/ul	98
11) Acenaphthene	14.555	153	22681	1.573	ng/ul	100
12) Fluorene	15.550	166	24735	1.572	ng/ul	99
14) Pentachlorophenol	16.919	266	3534	1.506	ng/ul	98
15) Phenanthrene	17.295	178	37447	1.507	ng/ul	98
16) Anthracene	17.392	178	32037	1.592	ng/ul	98
19) Fluoranthene	19.320	202	43077	1.520	ng/ul	97
20) Pyrene	19.682	202	45677	1.462	ng/ul	98
21) Benzo(a)anthracene	21.437	228	39495	1.494	ng/ul	98
22) Chrysene	21.489	228	42116	1.379	ng/ul	99
24) Benzo(b)fluoranthene	23.108	252	43385	1.482	ng/ul	89
25) Benzo(k)fluoranthene	23.158	252	43434	1.555	ng/ul#	90
26) Benzo(a)pyrene	23.737	252	37644	1.588	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	26.304	276	55759	1.589	ng/ul	100
28) Dibenzo(a,h)anthracene	26.324	278	44197	1.605	ng/ul	92
29) Benzo(g,h,i)perylene	27.058	276	49373	1.574	ng/ul	96

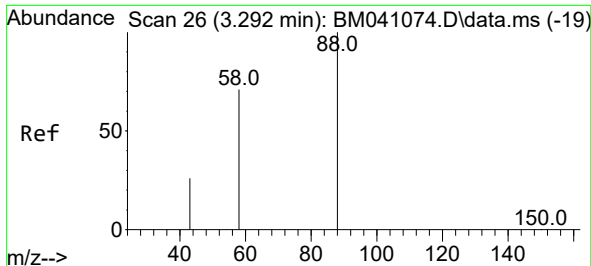
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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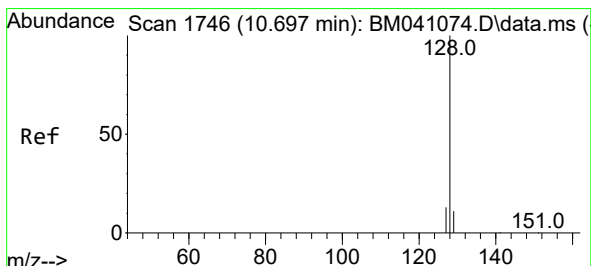
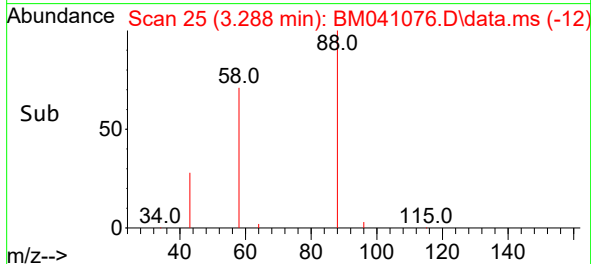
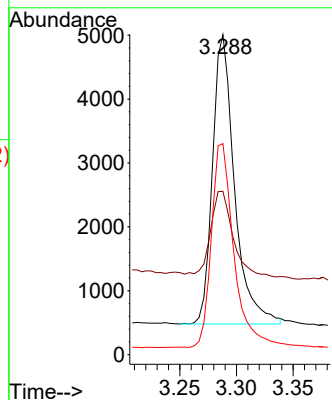
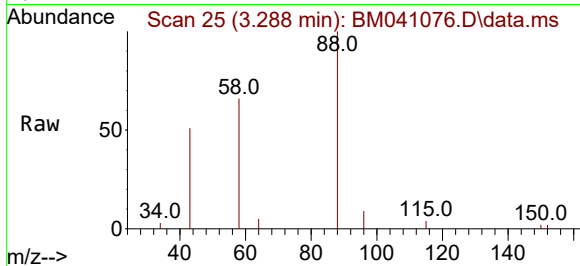




#2
1,4-Dioxane
Concen: 1.568 ng/ul
RT: 3.288 min Scan# 21
Delta R.T. -0.004 min
Lab File: BM041076.D
Acq: 24 Jul 2023 15:03

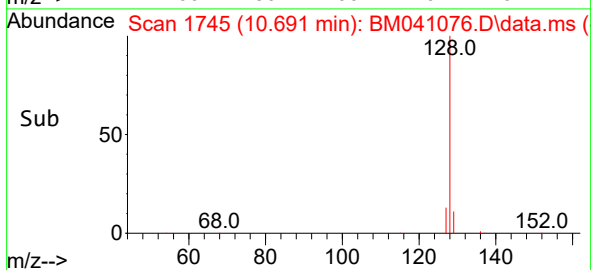
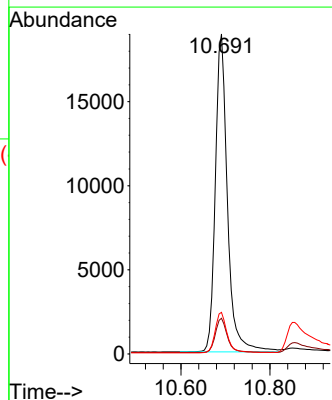
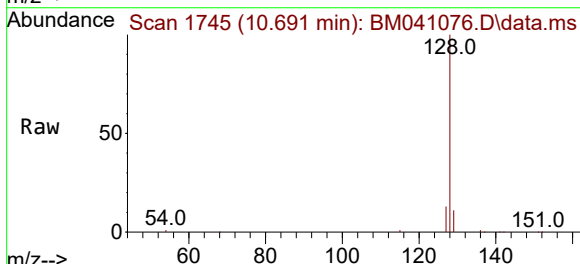
Instrument :
BNA_M
ClientSampleId :
SSTD1.6040

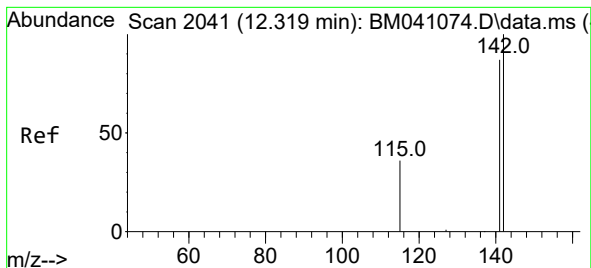
Tgt Ion: 88 Resp: 6094
Ion Ratio Lower Upper
88 100
43 51.1 83.1 124.7#
58 66.0 38.8 58.2#



#5
Naphthalene
Concen: 1.370 ng/ul
RT: 10.691 min Scan# 1745
Delta R.T. -0.005 min
Lab File: BM041076.D
Acq: 24 Jul 2023 15:03

Tgt Ion: 128 Resp: 35749
Ion Ratio Lower Upper
128 100
129 11.2 9.8 14.8
127 13.0 11.1 16.7

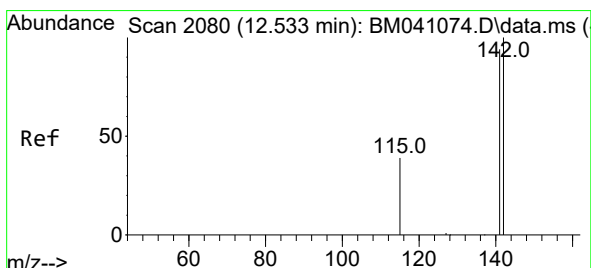
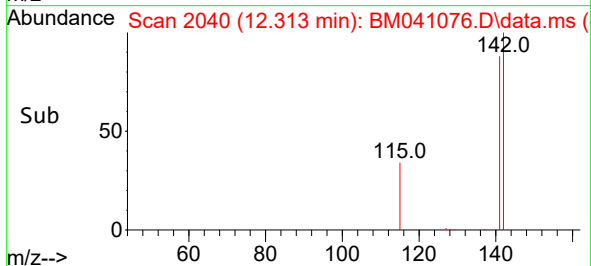
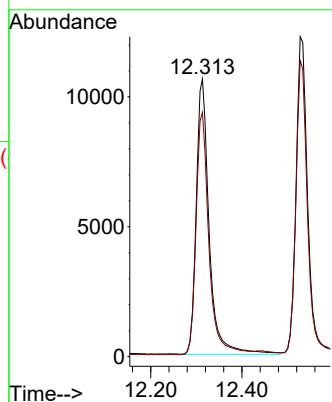
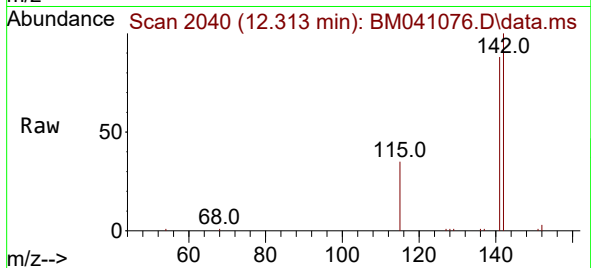




#7
2-Methylnaphthalene
Concen: 1.629 ng/ul
RT: 12.313 min Scan# 2040
Delta R.T. -0.005 min
Lab File: BM041076.D
Acq: 24 Jul 2023 15:03

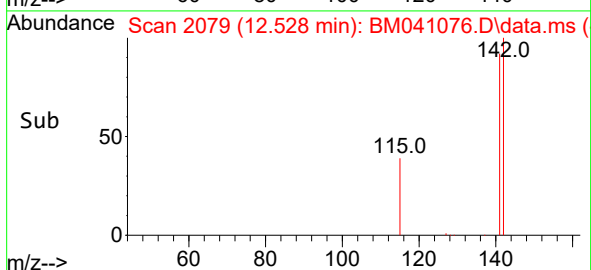
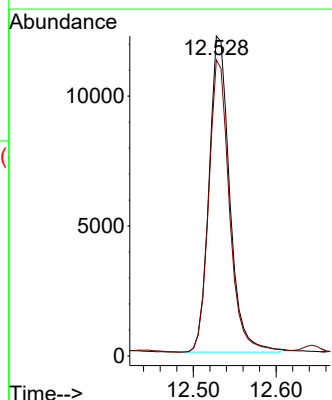
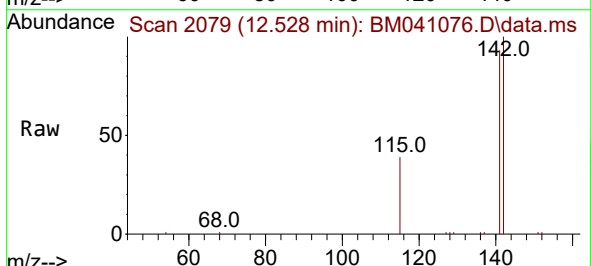
Instrument :
BNA_M
ClientSampleId :
SSTD1.6040

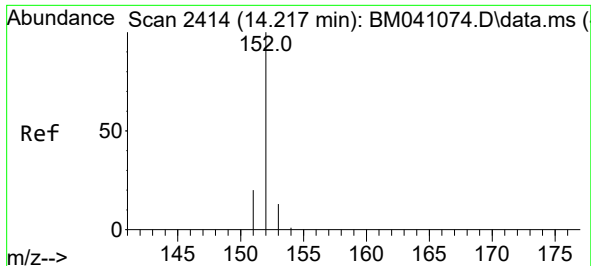
Tgt Ion:142 Resp: 20828
Ion Ratio Lower Upper
142 100
141 89.7 73.3 109.9



#8
1-Methylnaphthalene
Concen: 1.608 ng/ul
RT: 12.528 min Scan# 2079
Delta R.T. -0.005 min
Lab File: BM041076.D
Acq: 24 Jul 2023 15:03

Tgt Ion:142 Resp: 21121
Ion Ratio Lower Upper
142 100
141 92.1 73.6 110.4

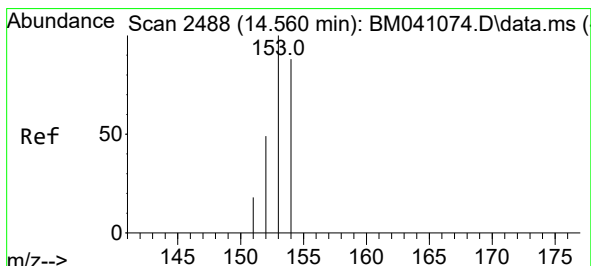
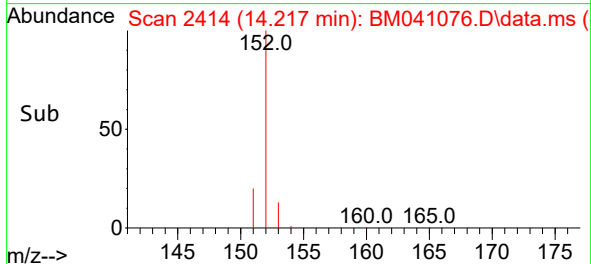
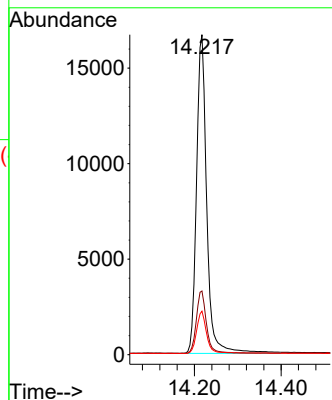
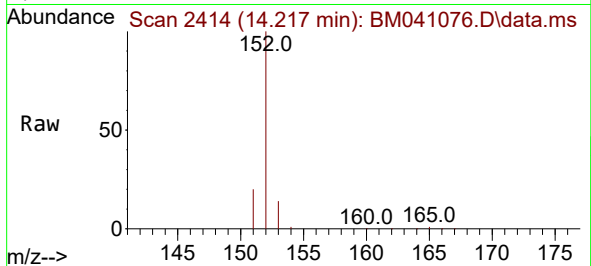




#10
Acenaphthylene
Concen: 1.591 ng/ul
RT: 14.217 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BM041076.D
Acq: 24 Jul 2023 15:03

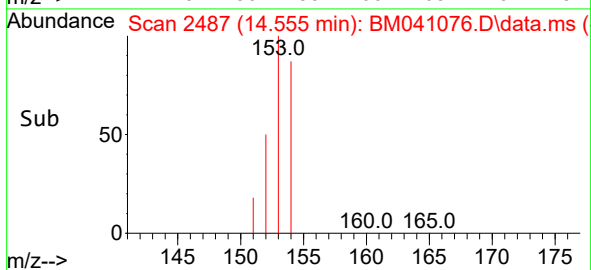
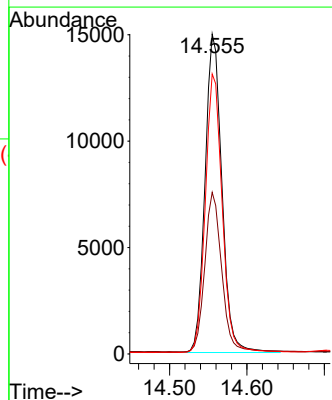
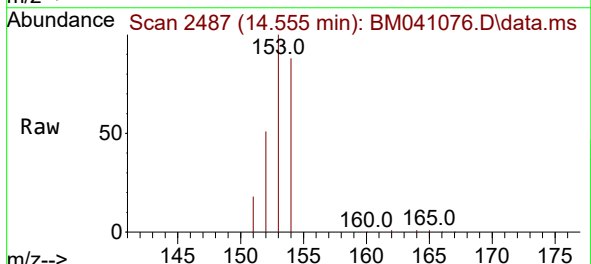
Instrument :
BNA_M
ClientSampleId :
SSTD1.6040

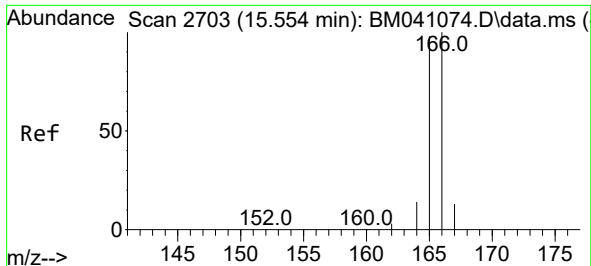
Tgt Ion:152 Resp: 27194
Ion Ratio Lower Upper
152 100
151 19.9 16.8 25.2
153 13.6 11.4 17.2



#11
Acenaphthene
Concen: 1.573 ng/ul
RT: 14.555 min Scan# 2487
Delta R.T. -0.005 min
Lab File: BM041076.D
Acq: 24 Jul 2023 15:03

Tgt Ion:153 Resp: 22681
Ion Ratio Lower Upper
153 100
152 50.5 40.2 60.4
154 87.5 70.3 105.5

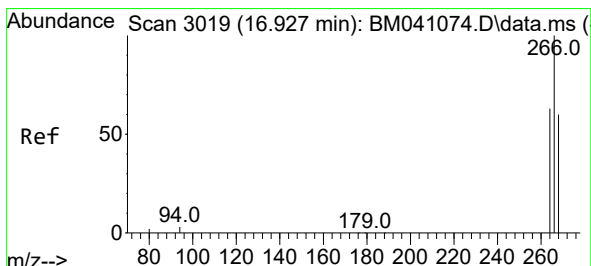
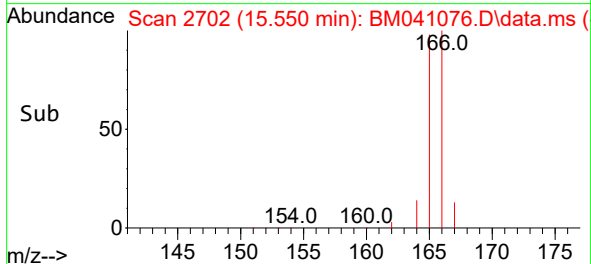
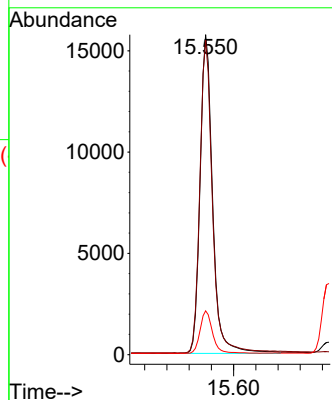
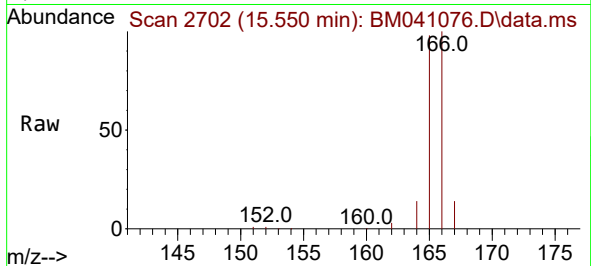




#12
Fluorene
Concen: 1.572 ng/ul
RT: 15.550 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM041076.D
Acq: 24 Jul 2023 15:03

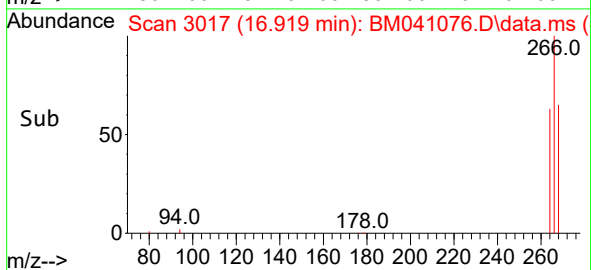
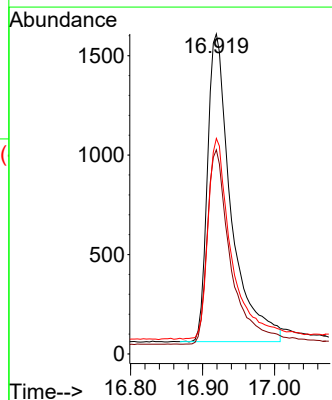
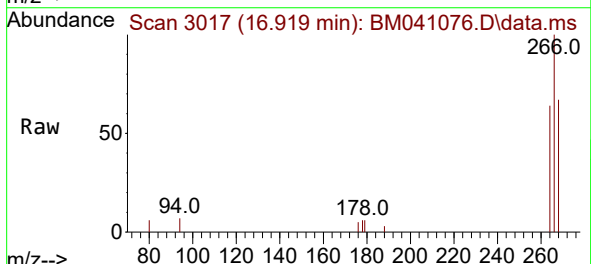
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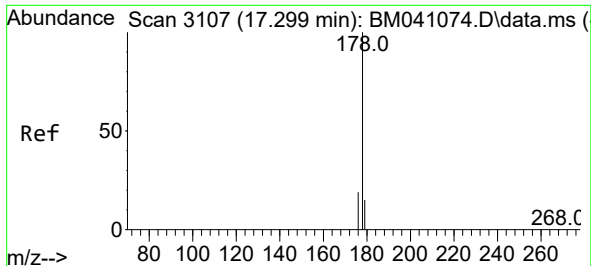
Tgt Ion:166 Resp: 24735
Ion Ratio Lower Upper
166 100
165 98.2 79.4 119.0
167 13.7 11.4 17.2



#14
Pentachlorophenol
Concen: 1.506 ng/ul
RT: 16.919 min Scan# 3017
Delta R.T. -0.008 min
Lab File: BM041076.D
Acq: 24 Jul 2023 15:03

Tgt Ion:266 Resp: 3534
Ion Ratio Lower Upper
266 100
264 62.7 49.2 73.8
268 64.5 49.9 74.9

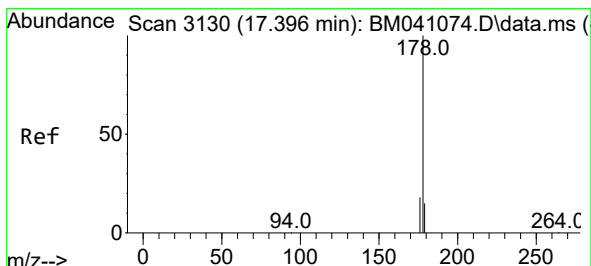
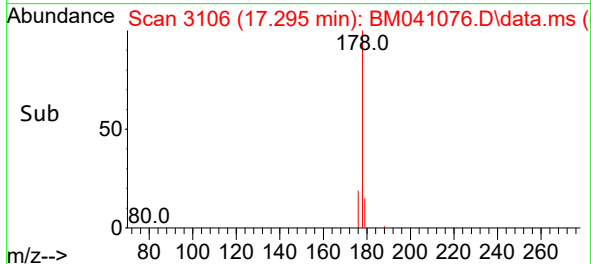
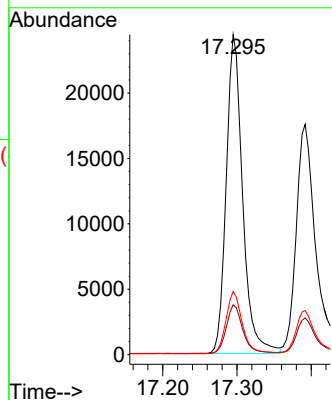
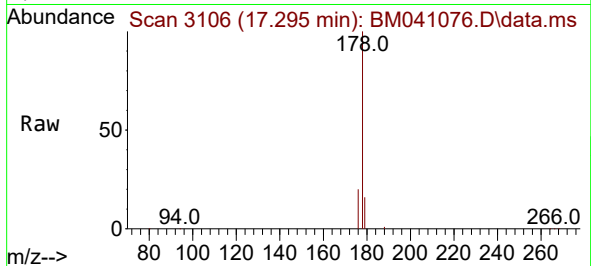




#15
Phenanthrene
Concen: 1.507 ng/ul
RT: 17.295 min Scan# 3107
Delta R.T. -0.004 min
Lab File: BM041076.D
Acq: 24 Jul 2023 15:03

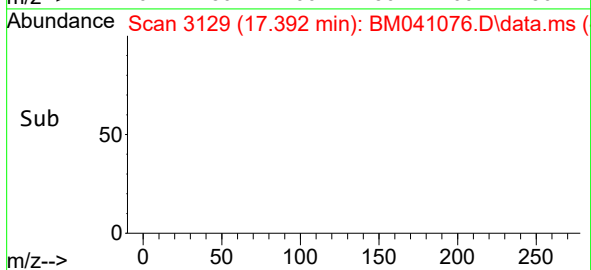
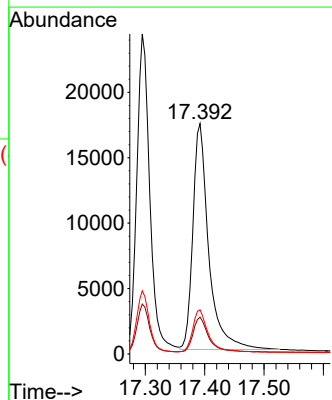
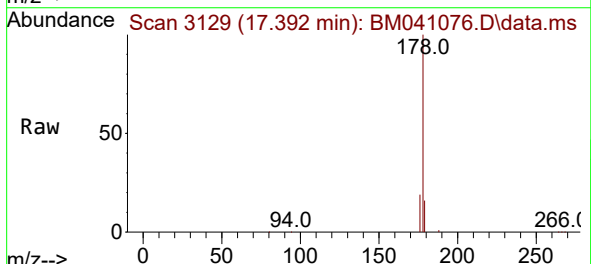
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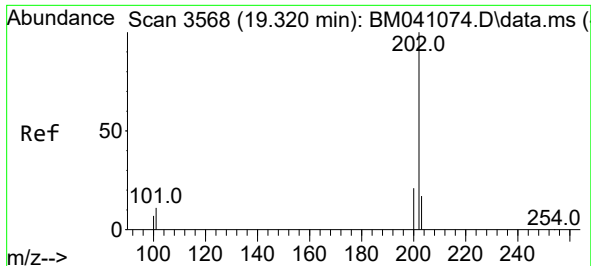
Tgt Ion:178 Resp: 37447
Ion Ratio Lower Upper
178 100
179 15.6 13.4 20.2
176 19.7 16.0 24.0



#16
Anthracene
Concen: 1.592 ng/ul
RT: 17.392 min Scan# 3129
Delta R.T. -0.004 min
Lab File: BM041076.D
Acq: 24 Jul 2023 15:03

Tgt Ion:178 Resp: 32037
Ion Ratio Lower Upper
178 100
179 16.0 13.6 20.4
176 19.1 16.0 24.0

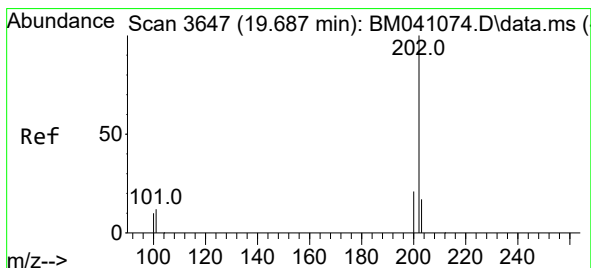
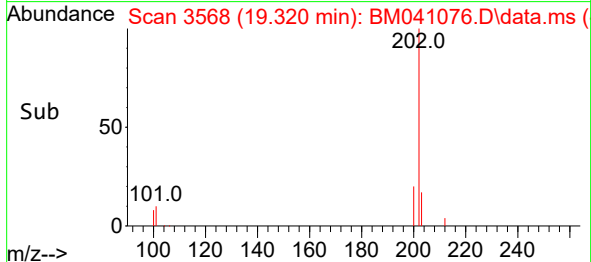
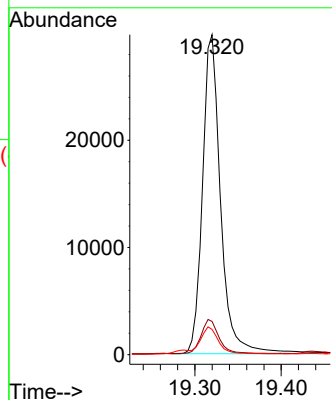
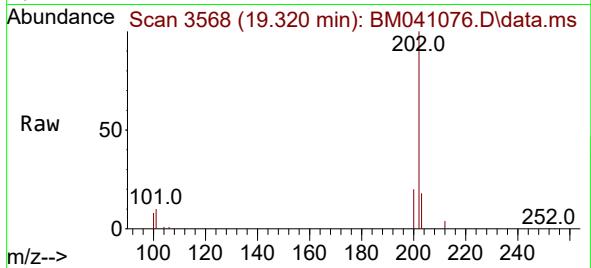




#19
Fluoranthene
Concen: 1.520 ng/ul
RT: 19.320 min Scan# 3568
Delta R.T. 0.000 min
Lab File: BM041076.D
Acq: 24 Jul 2023 15:03

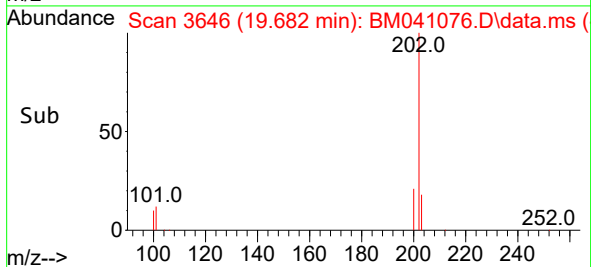
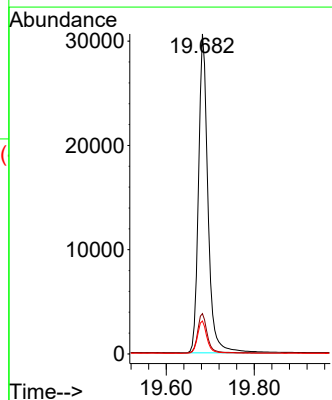
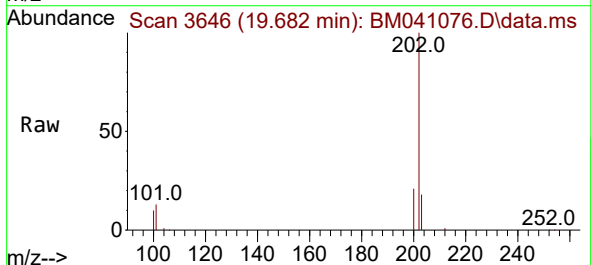
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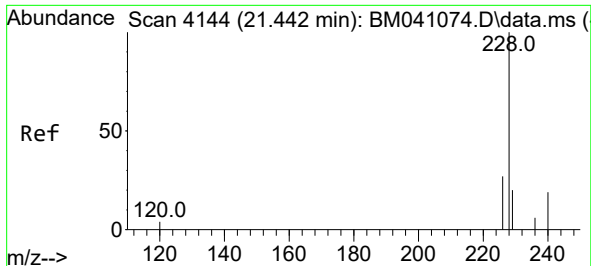
Tgt Ion:202 Resp: 43077
Ion Ratio Lower Upper
202 100
101 10.4 9.4 14.0
100 7.9 7.1 10.7



#20
Pyrene
Concen: 1.462 ng/ul
RT: 19.682 min Scan# 3646
Delta R.T. -0.005 min
Lab File: BM041076.D
Acq: 24 Jul 2023 15:03

Tgt Ion:202 Resp: 45677
Ion Ratio Lower Upper
202 100
101 12.6 10.7 16.1
100 10.3 8.5 12.7

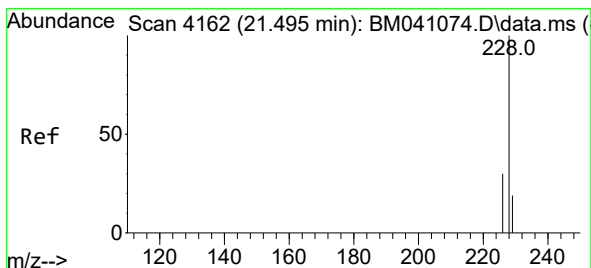
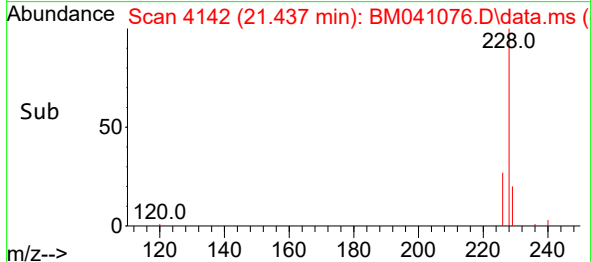
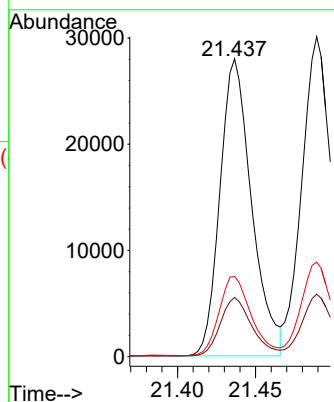
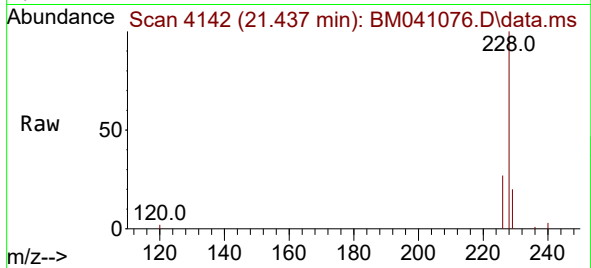




#21
Benzo(a)anthracene
Concen: 1.494 ng/ul
RT: 21.437 min Scan# 4144
Delta R.T. -0.006 min
Lab File: BM041076.D
Acq: 24 Jul 2023 15:03

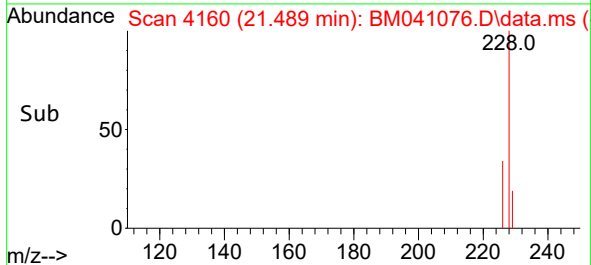
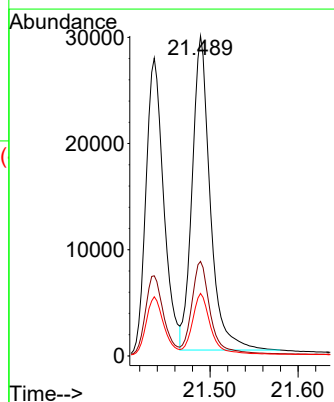
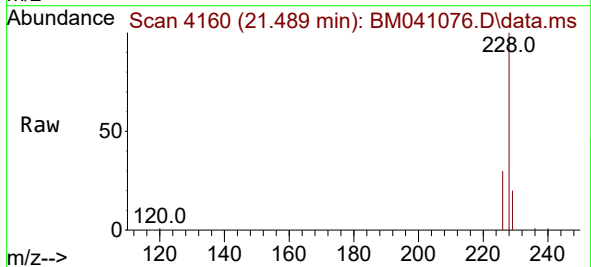
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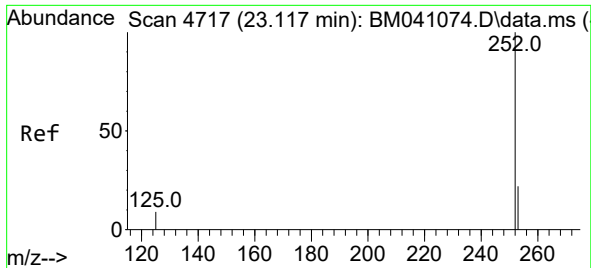
Tgt Ion:228 Resp: 39495
Ion Ratio Lower Upper
228 100
229 19.9 16.5 24.7
226 26.9 22.2 33.2



#22
Chrysene
Concen: 1.379 ng/ul
RT: 21.489 min Scan# 4160
Delta R.T. -0.006 min
Lab File: BM041076.D
Acq: 24 Jul 2023 15:03

Tgt Ion:228 Resp: 42116
Ion Ratio Lower Upper
228 100
226 29.5 24.2 36.4
229 19.6 15.9 23.9

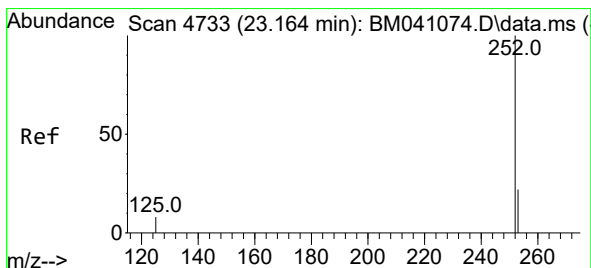
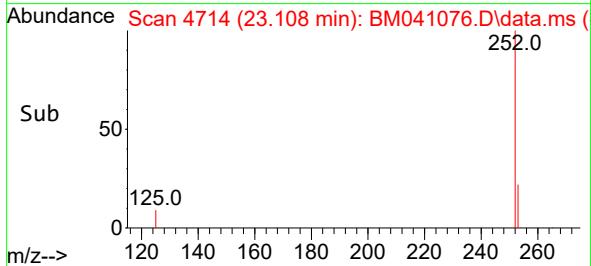
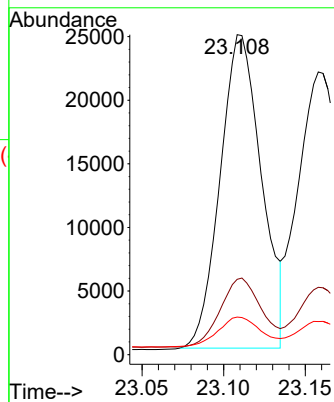
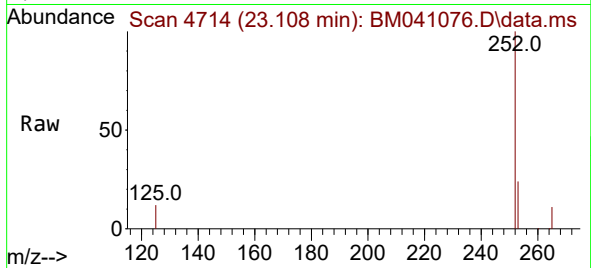




#24
Benzo(b)fluoranthene
Concen: 1.482 ng/ul
RT: 23.108 min Scan# 4714
Delta R.T. -0.009 min
Lab File: BM041076.D
Acq: 24 Jul 2023 15:03

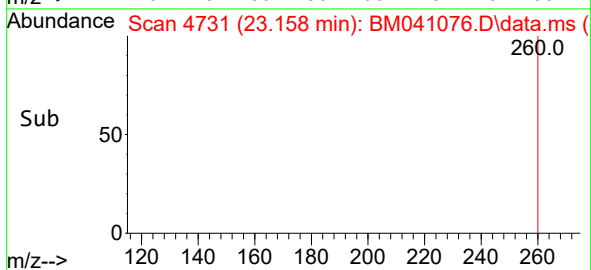
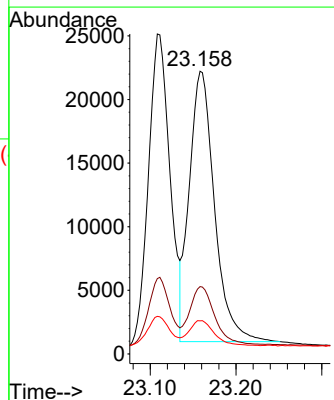
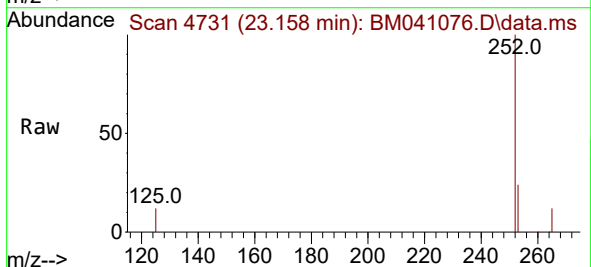
Instrument :
BNA_M
ClientSampleId :
SSTD1.6040

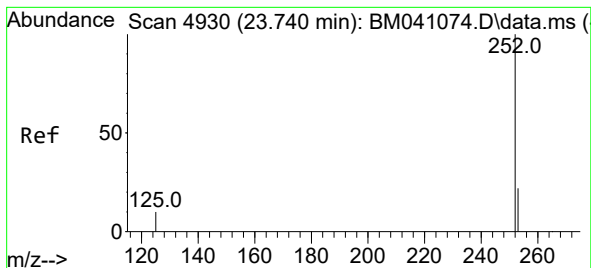
Tgt Ion:252 Resp: 43385
Ion Ratio Lower Upper
252 100
253 23.6 0.0 57.6
125 11.8 0.0 33.6



#25
Benzo(k)fluoranthene
Concen: 1.555 ng/ul
RT: 23.158 min Scan# 4731
Delta R.T. -0.006 min
Lab File: BM041076.D
Acq: 24 Jul 2023 15:03

Tgt Ion:252 Resp: 43434
Ion Ratio Lower Upper
252 100
253 23.8 22.8 34.2
125 11.7 13.5 20.3#





#26

Benzo(a)pyrene

Concen: 1.588 ng/ul

RT: 23.737 min Scan# 4929

Delta R.T. -0.003 min

Lab File: BM041076.D

Acq: 24 Jul 2023 15:03

Instrument :

BNA_M

ClientSampleId :

SSTD1.6040

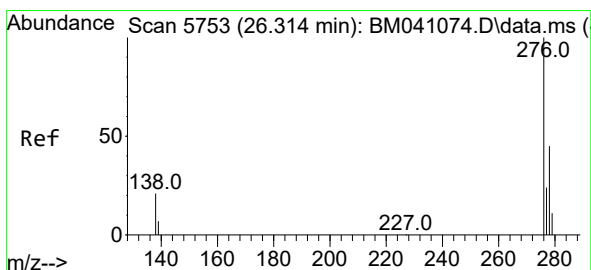
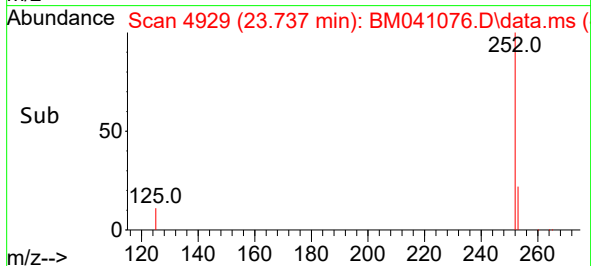
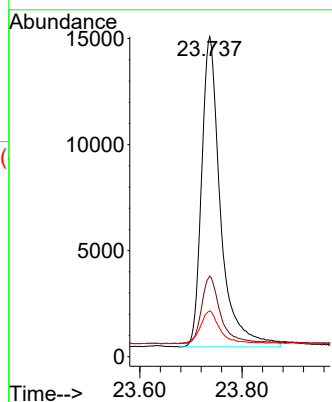
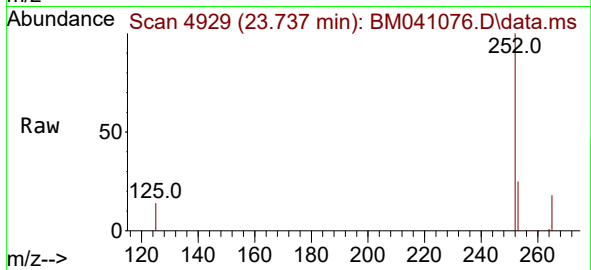
Tgt Ion:252 Resp: 37644

Ion Ratio Lower Upper

252 100

253 25.2 26.7 40.1#

125 14.3 18.1 27.1#



#27

Indeno(1,2,3-cd)pyrene

Concen: 1.589 ng/ul

RT: 26.304 min Scan# 5750

Delta R.T. -0.010 min

Lab File: BM041076.D

Acq: 24 Jul 2023 15:03

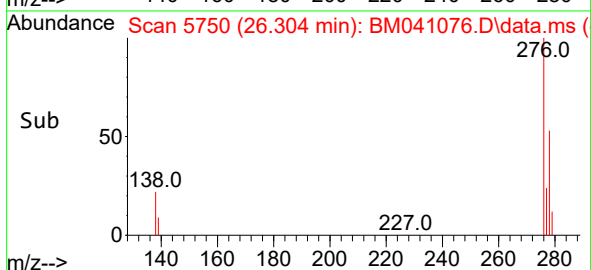
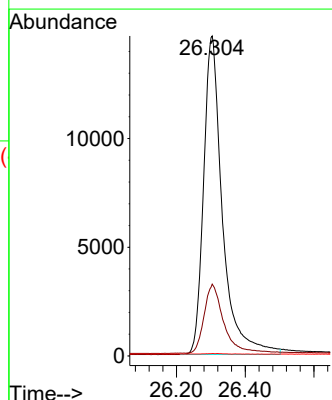
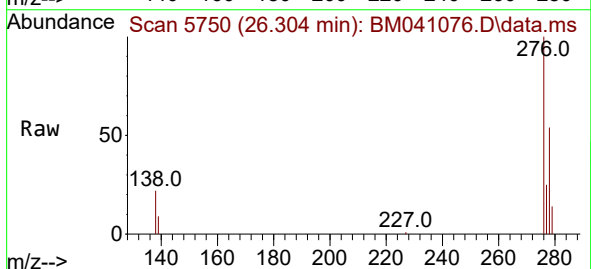
Tgt Ion:276 Resp: 55759

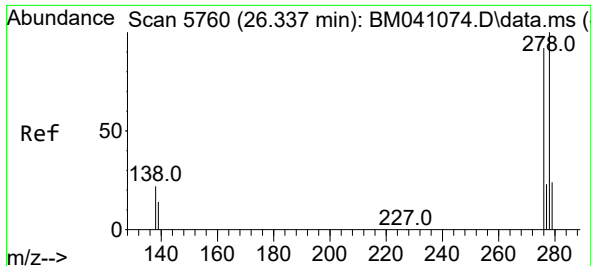
Ion Ratio Lower Upper

276 100

138 22.6 18.1 27.1

227 0.2 0.2 0.2

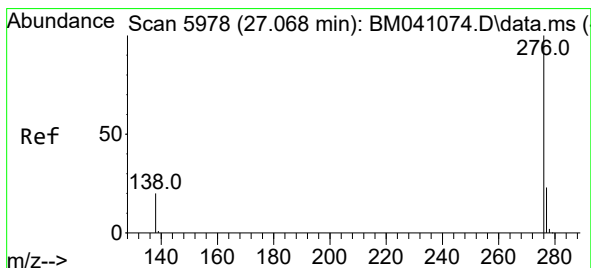
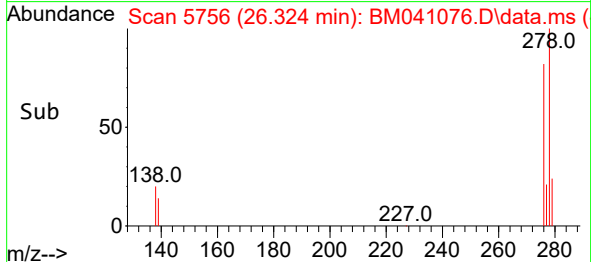
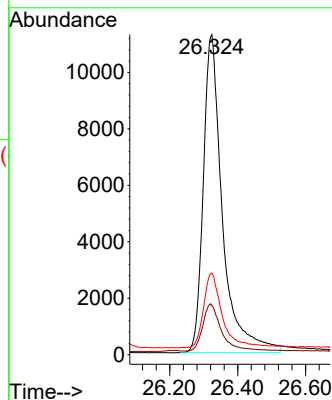
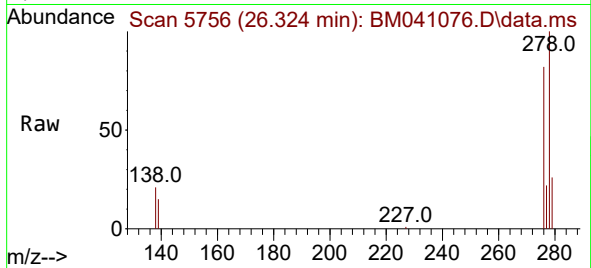




#28
Dibenzo(a,h)anthracene
Concen: 1.605 ng/ul
RT: 26.324 min Scan# 51
Delta R.T. -0.013 min
Lab File: BM041076.D
Acq: 24 Jul 2023 15:03

Instrument :
BNA_M
ClientSampleId :
SSTD1.6040

Tgt Ion:278 Resp: 44197
Ion Ratio Lower Upper
278 100
139 15.3 14.1 21.1
279 25.5 25.0 37.4



#29
Benzo(g,h,i)perylene
Concen: 1.574 ng/ul
RT: 27.058 min Scan# 5975
Delta R.T. -0.010 min
Lab File: BM041076.D
Acq: 24 Jul 2023 15:03

Tgt Ion:276 Resp: 49373
Ion Ratio Lower Upper
276 100
138 20.5 18.2 27.2
277 24.1 20.6 30.8

