

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM053123\
 Data File : BM040079.D
 Acq On : 31 May 2023 14:23
 Operator : CG/JU
 Sample : SSTD1.680
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.6012

Quant Time: May 31 18:07:31 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM053123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 31 18:06:12 2023
 Response via : Initial Calibration

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

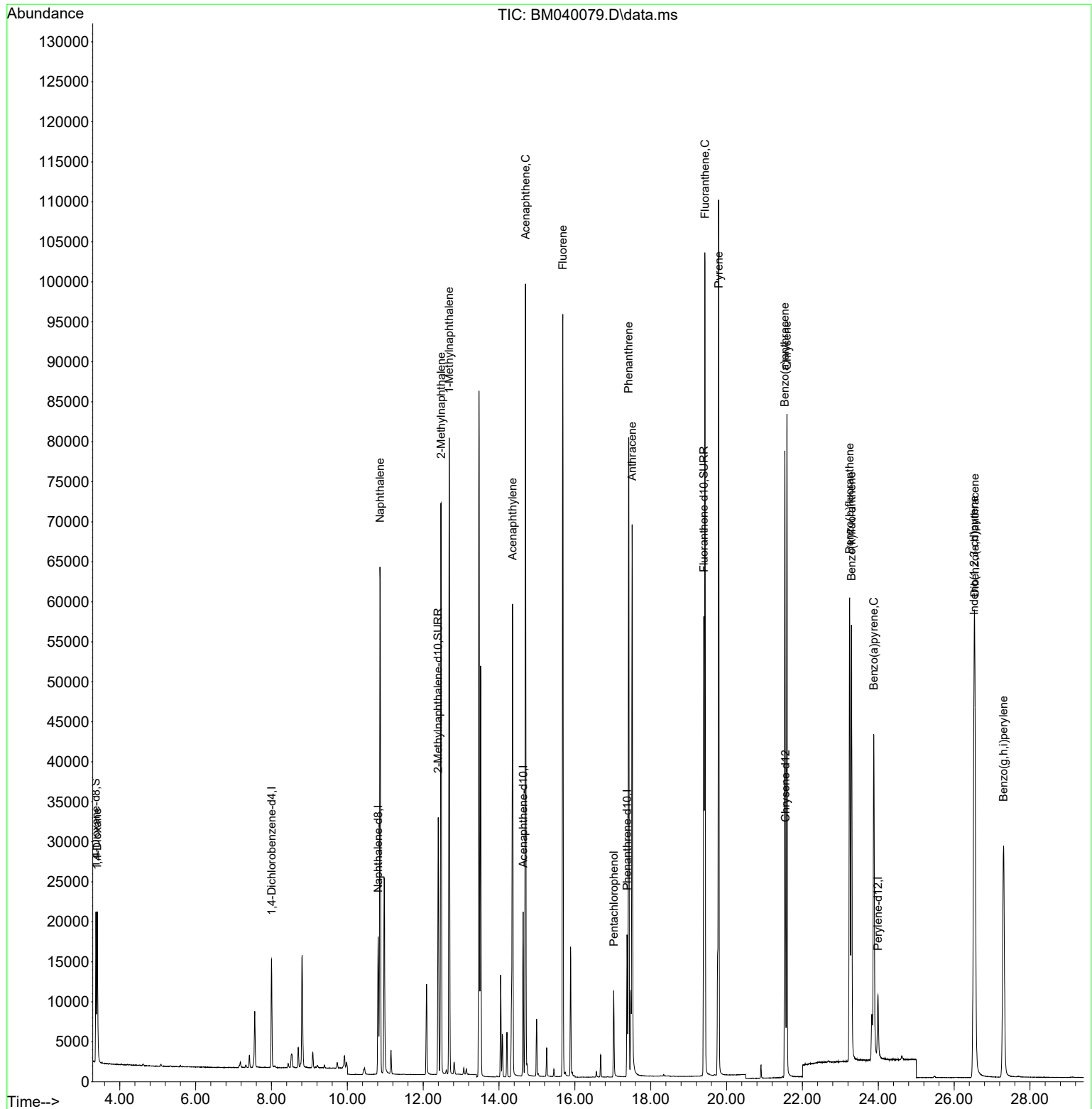
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.004	152	6887	0.400	ng/ul	0.00
4) Naphthalene-d8	10.811	136	22605	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.637	164	10793	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.374	188	18975	0.400	ng/ul	0.00
17) Chrysene-d12	21.553	240	13307	0.400	ng/ul	0.00
23) Perylene-d12	23.991	264	11071	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.371	96	12809	1.513	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.395	152	41221	1.500	ng/ul	0.00
18) Fluoranthene-d10	19.398	212	54961	1.413	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.409	88	13431	1.510	ng/ul#	61
5) Naphthalene	10.860	128	85029	1.413	ng/ul	99
7) 2-Methylnaphthalene	12.472	142	50780	1.516	ng/ul	100
8) 1-Methylnaphthalene	12.686	142	52589	1.505	ng/ul	100
10) Acenaphthylene	14.355	152	66276	1.573	ng/ul	99
11) Acenaphthene	14.697	153	54286	1.498	ng/ul	99
12) Fluorene	15.683	166	58162	1.550	ng/ul	99
14) Pentachlorophenol	17.024	266	6981	1.645	ng/ul	99
15) Phenanthrene	17.417	178	82886	1.522	ng/ul	99
16) Anthracene	17.509	178	74180	1.667	ng/ul	100
19) Fluoranthene	19.431	202	82971	1.445	ng/ul	99
20) Pyrene	19.788	202	83753	1.447	ng/ul	98
21) Benzo(a)anthracene	21.535	228	64605	1.479	ng/ul	99
22) Chrysene	21.591	228	68552	1.449	ng/ul	99
24) Benzo(b)fluoranthene	23.245	252	72984	1.564	ng/ul	94
25) Benzo(k)fluoranthene	23.292	252	71409	1.607	ng/ul#	93
26) Benzo(a)pyrene	23.879	252	60591	1.596	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	26.524	276	77719	1.579	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.544	278	62282	1.601	ng/ul	96
29) Benzo(g,h,i)perylene	27.302	276	61864	1.550	ng/ul	97

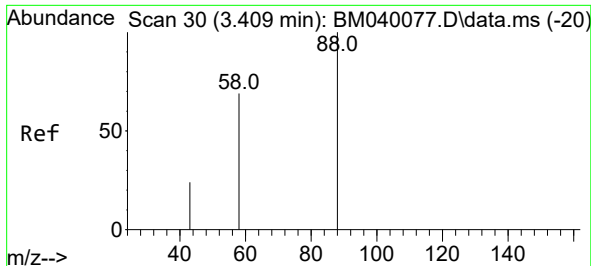
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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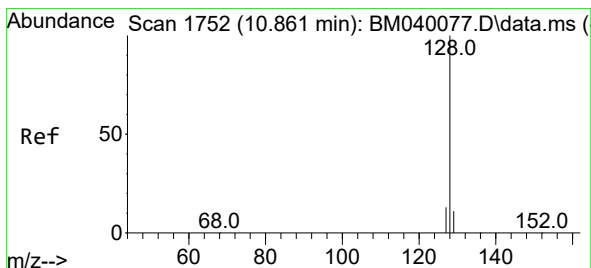
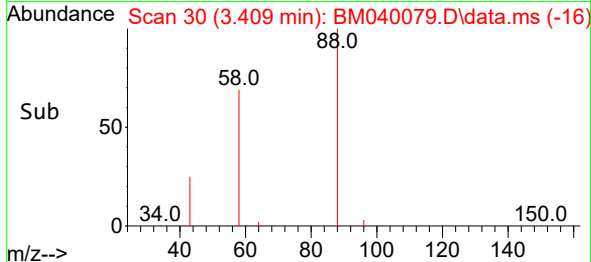
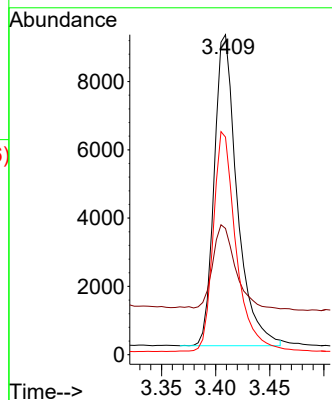
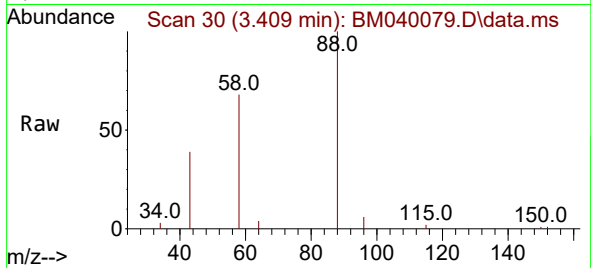




#2
1,4-Dioxane
Concen: 1.510 ng/ul
RT: 3.409 min Scan# 30
Delta R.T. -0.000 min
Lab File: BM040079.D
Acq: 31 May 2023 14:23

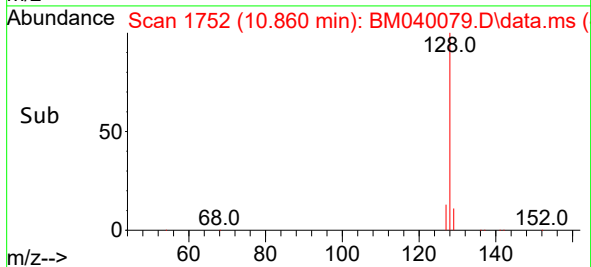
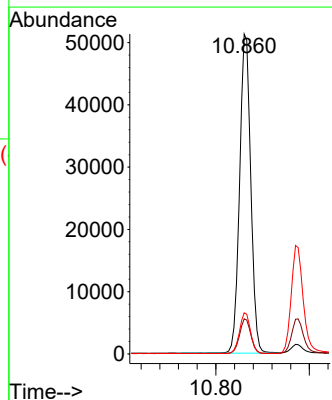
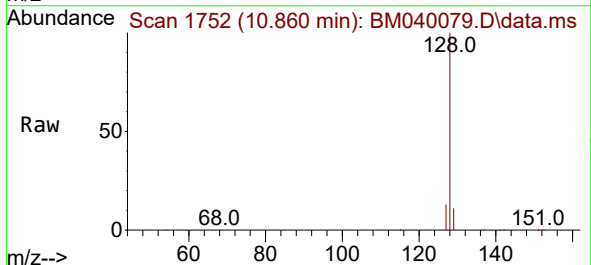
Instrument :
BNA_M
ClientSampleId :
SSTD1.6012

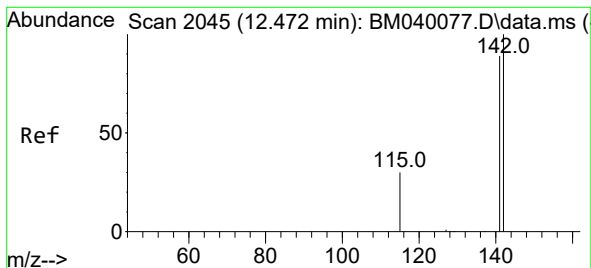
Tgt Ion: 88 Resp: 13431
Ion Ratio Lower Upper
88 100
43 39.5 81.3 121.9#
58 68.0 52.0 78.0



#5
Naphthalene
Concen: 1.413 ng/ul
RT: 10.860 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BM040079.D
Acq: 31 May 2023 14:23

Tgt Ion: 128 Resp: 85029
Ion Ratio Lower Upper
128 100
129 11.0 9.2 13.8
127 12.9 10.5 15.7

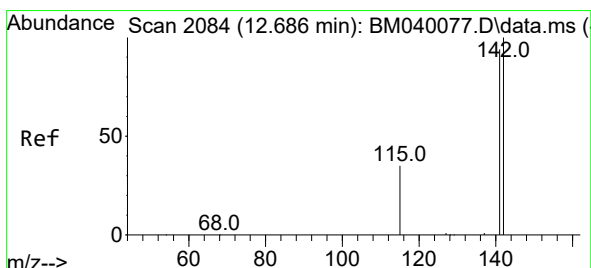
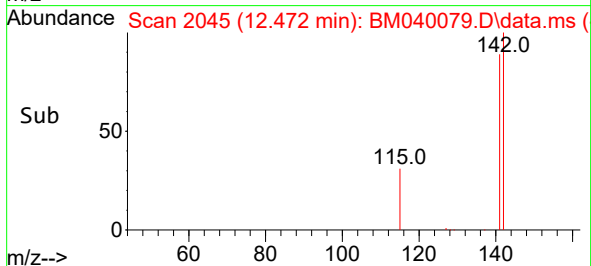
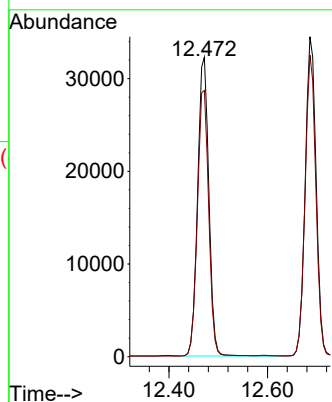
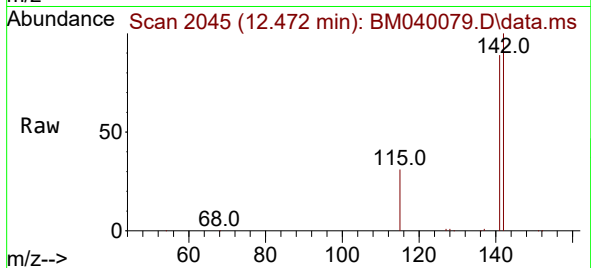




#7
2-Methylnaphthalene
Concen: 1.516 ng/ul
RT: 12.472 min Scan# 2045
Delta R.T. -0.000 min
Lab File: BM040079.D
Acq: 31 May 2023 14:23

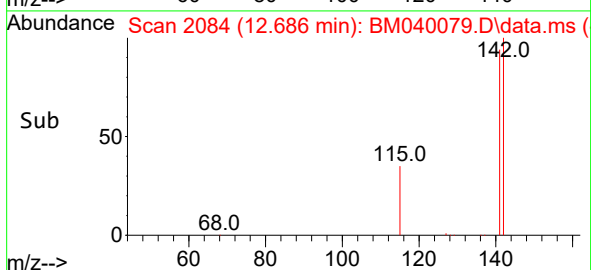
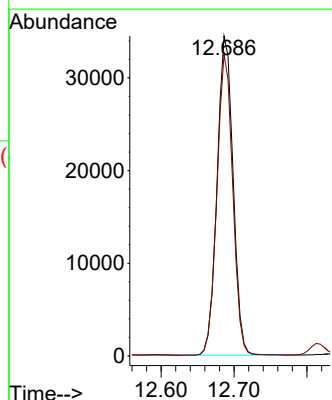
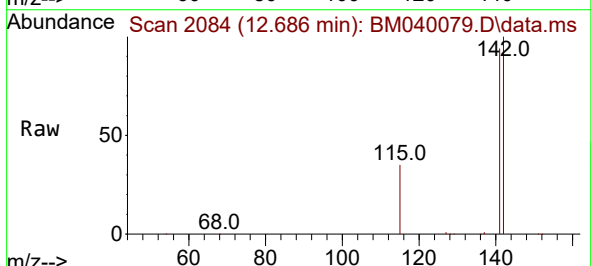
Instrument :
BNA_M
ClientSampleId :
SSTD1.6012

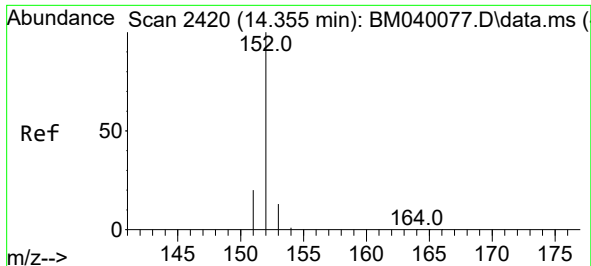
Tgt Ion:142 Resp: 50780
Ion Ratio Lower Upper
142 100
141 89.7 71.8 107.8



#8
1-Methylnaphthalene
Concen: 1.505 ng/ul
RT: 12.686 min Scan# 2084
Delta R.T. -0.000 min
Lab File: BM040079.D
Acq: 31 May 2023 14:23

Tgt Ion:142 Resp: 52589
Ion Ratio Lower Upper
142 100
141 93.4 74.7 112.1

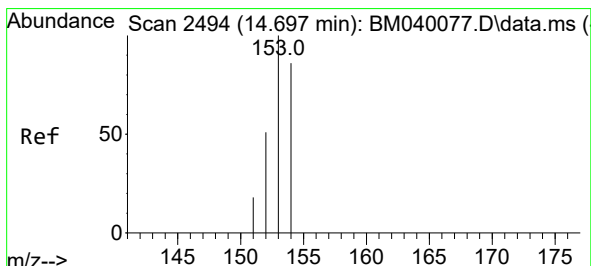
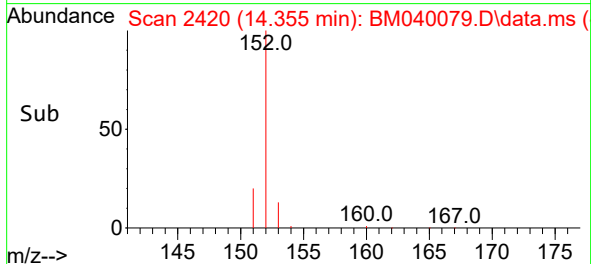
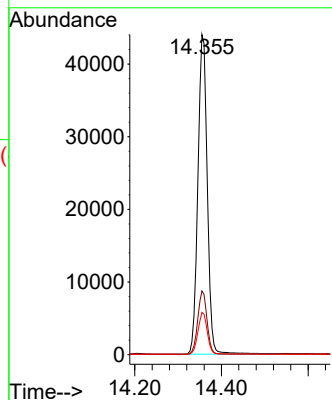
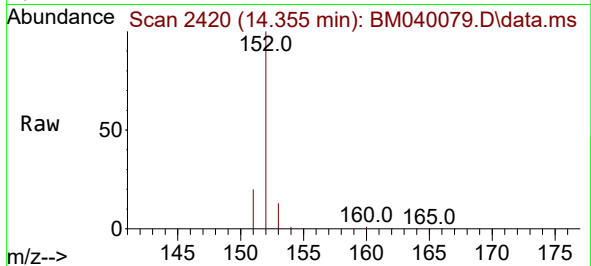




#10
Acenaphthylene
Concen: 1.573 ng/ul
RT: 14.355 min Scan# 2420
Delta R.T. -0.000 min
Lab File: BM040079.D
Acq: 31 May 2023 14:23

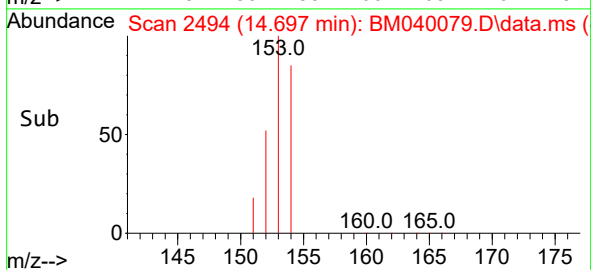
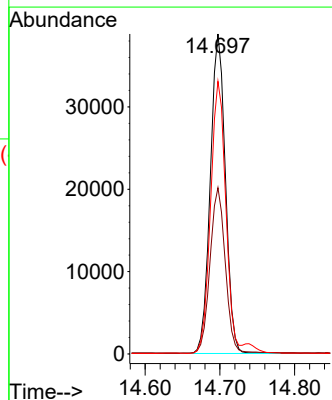
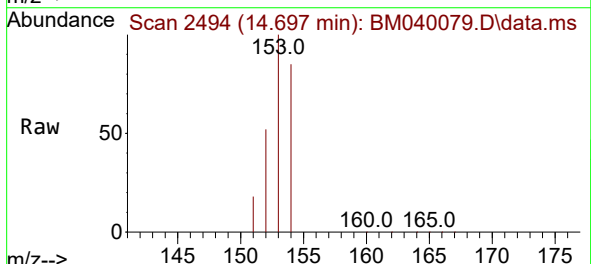
Instrument :
BNA_M
ClientSampleId :
SSTD1.6012

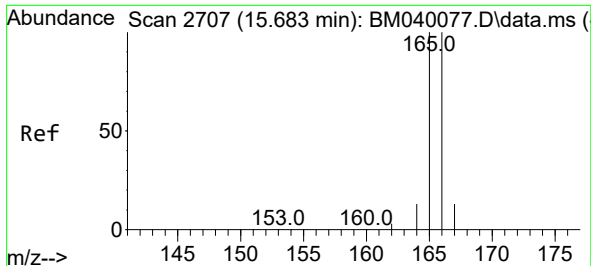
Tgt Ion:152 Resp: 66276
Ion Ratio Lower Upper
152 100
151 19.9 16.4 24.6
153 13.2 10.8 16.2



#11
Acenaphthene
Concen: 1.498 ng/ul
RT: 14.697 min Scan# 2494
Delta R.T. -0.000 min
Lab File: BM040079.D
Acq: 31 May 2023 14:23

Tgt Ion:153 Resp: 54286
Ion Ratio Lower Upper
153 100
152 51.9 41.2 61.8
154 85.2 68.8 103.2

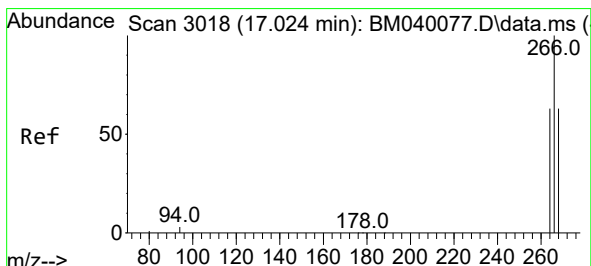
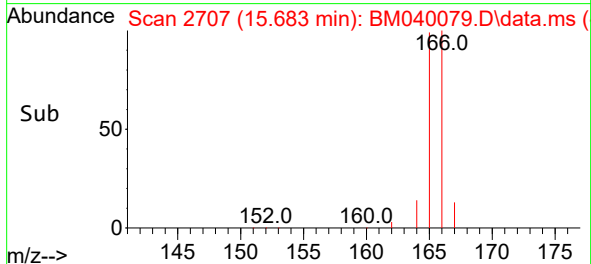
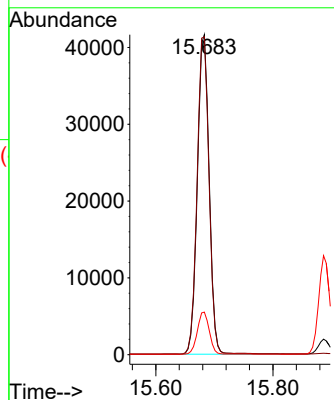
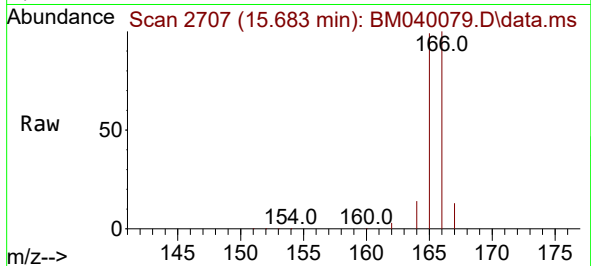




#12
Fluorene
Concen: 1.550 ng/ul
RT: 15.683 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM040079.D
Acq: 31 May 2023 14:23

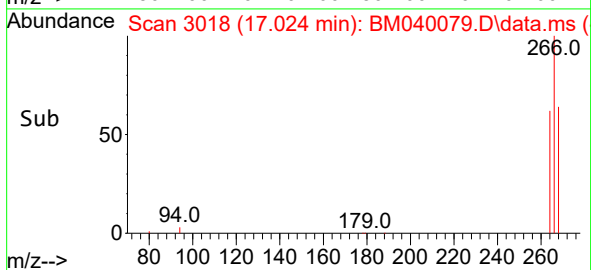
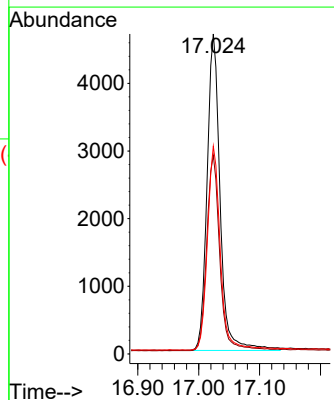
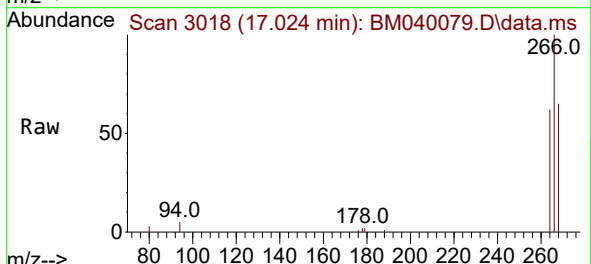
Instrument :
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ClientSampleId :
SSTD1.6012

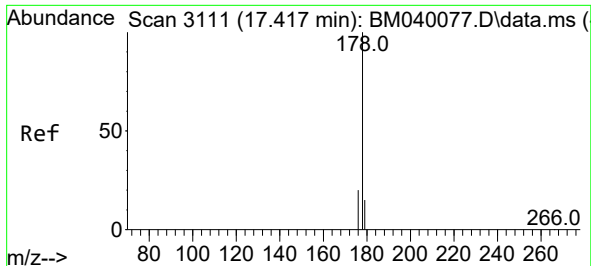
Tgt Ion:166 Resp: 58162
Ion Ratio Lower Upper
166 100
165 99.4 79.8 119.8
167 13.3 11.2 16.8



#14
Pentachlorophenol
Concen: 1.645 ng/ul
RT: 17.024 min Scan# 3018
Delta R.T. -0.000 min
Lab File: BM040079.D
Acq: 31 May 2023 14:23

Tgt Ion:266 Resp: 6981
Ion Ratio Lower Upper
266 100
264 62.1 49.9 74.9
268 63.8 51.5 77.3

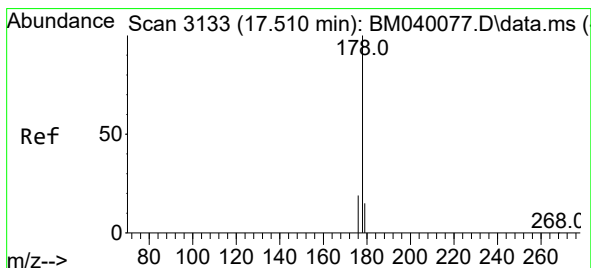
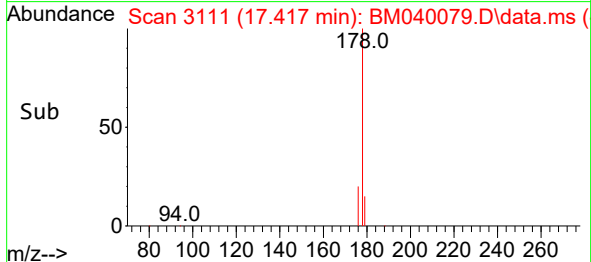
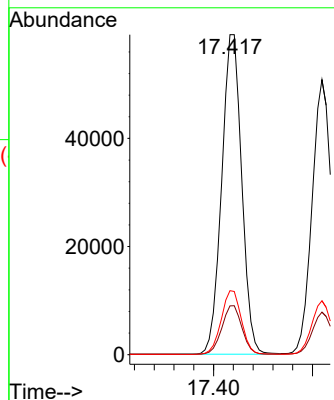
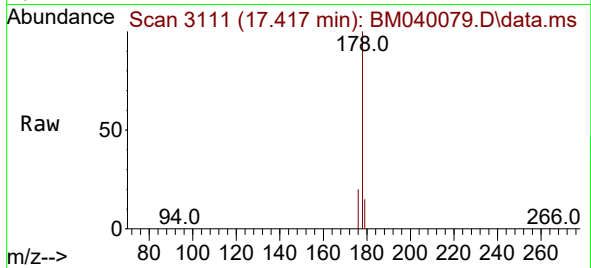




#15
Phenanthrene
Concen: 1.522 ng/ul
RT: 17.417 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BM040079.D
Acq: 31 May 2023 14:23

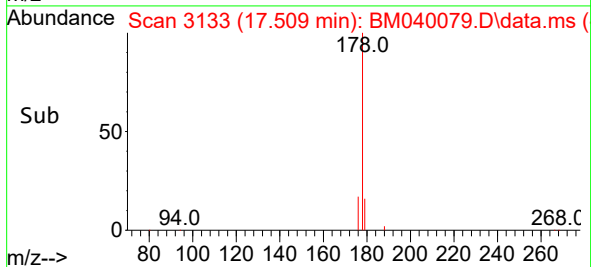
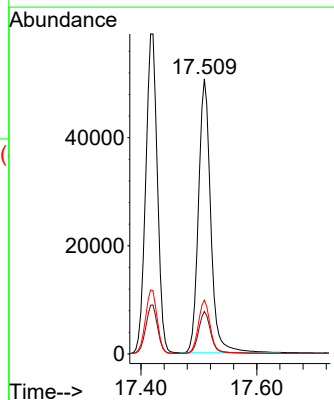
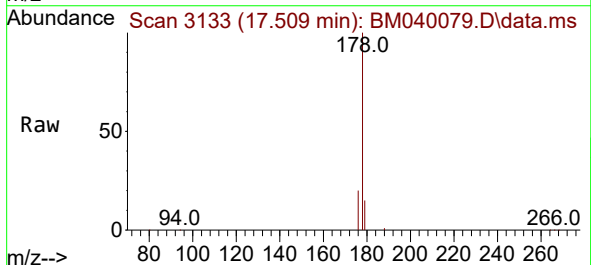
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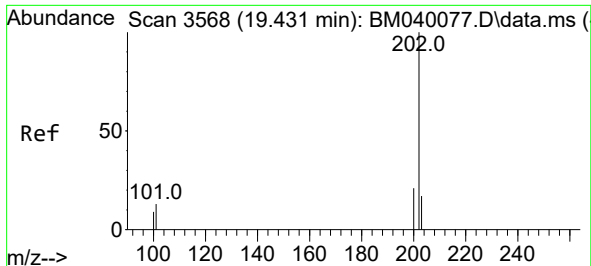
Tgt Ion:178 Resp: 82886
Ion Ratio Lower Upper
178 100
179 15.2 12.4 18.6
176 20.0 16.4 24.6



#16
Anthracene
Concen: 1.667 ng/ul
RT: 17.509 min Scan# 3133
Delta R.T. -0.000 min
Lab File: BM040079.D
Acq: 31 May 2023 14:23

Tgt Ion:178 Resp: 74180
Ion Ratio Lower Upper
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179 15.5 12.6 19.0
176 19.6 15.8 23.6

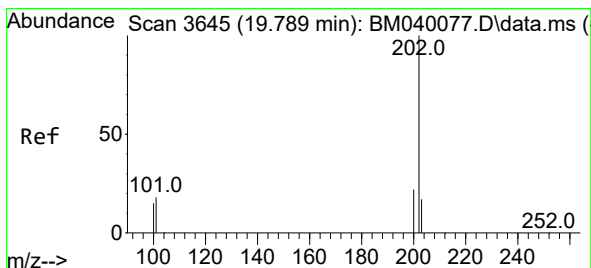
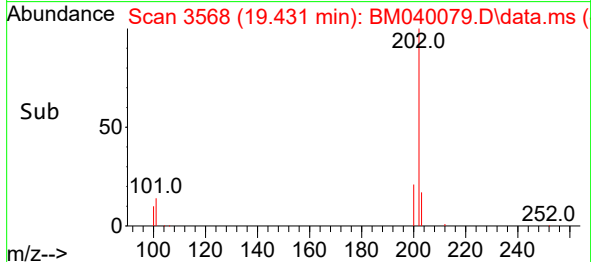
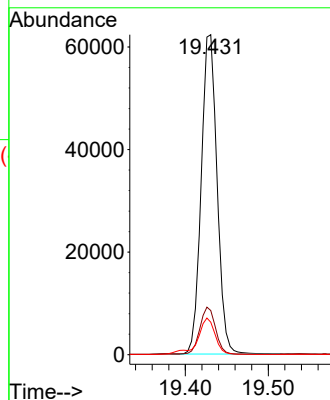
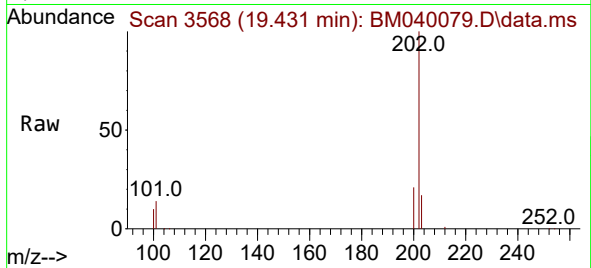




#19
Fluoranthene
Concen: 1.445 ng/ul
RT: 19.431 min Scan# 3568
Delta R.T. -0.000 min
Lab File: BM040079.D
Acq: 31 May 2023 14:23

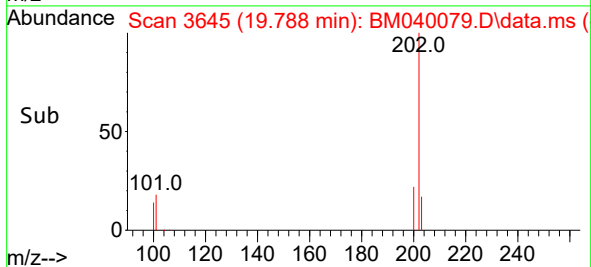
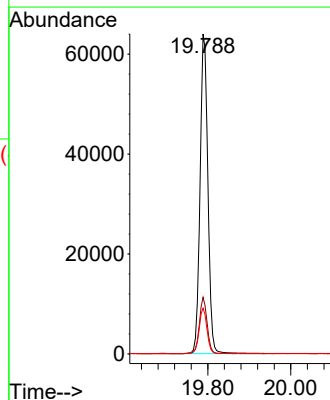
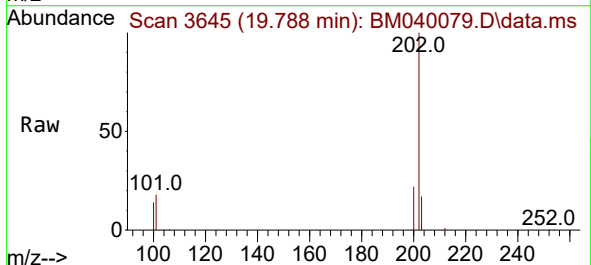
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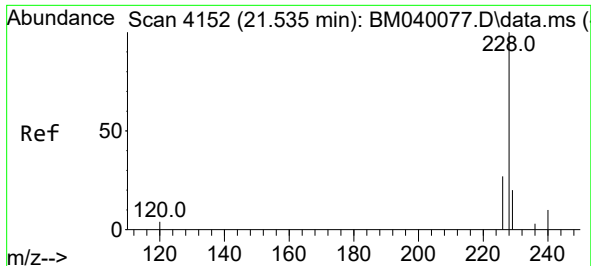
Tgt Ion:202 Resp: 82971
Ion Ratio Lower Upper
202 100
101 13.8 11.2 16.8
100 10.1 8.6 12.8



#20
Pyrene
Concen: 1.447 ng/ul
RT: 19.788 min Scan# 3645
Delta R.T. -0.000 min
Lab File: BM040079.D
Acq: 31 May 2023 14:23

Tgt Ion:202 Resp: 83753
Ion Ratio Lower Upper
202 100
101 17.7 14.7 22.1
100 14.3 12.2 18.2

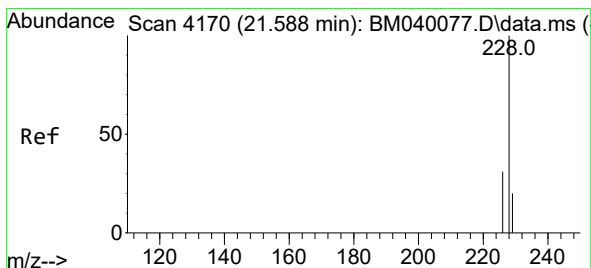
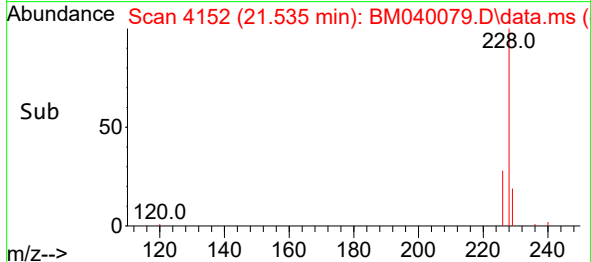
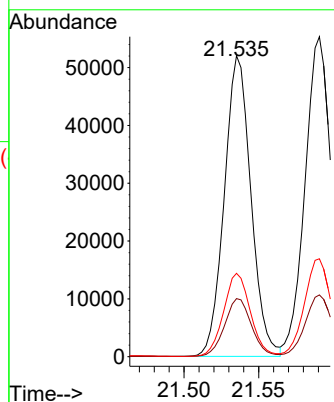
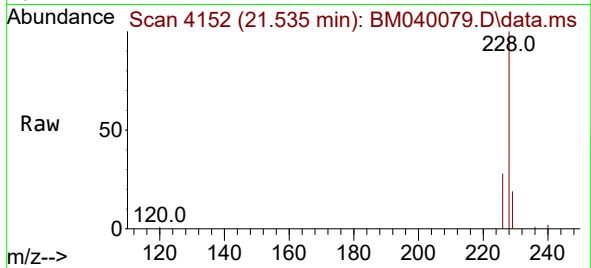




#21
Benzo(a)anthracene
Concen: 1.479 ng/ul
RT: 21.535 min Scan# 4152
Delta R.T. -0.000 min
Lab File: BM040079.D
Acq: 31 May 2023 14:23

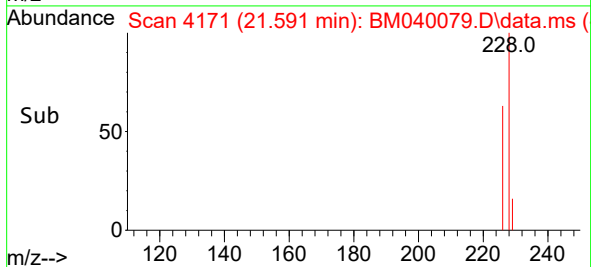
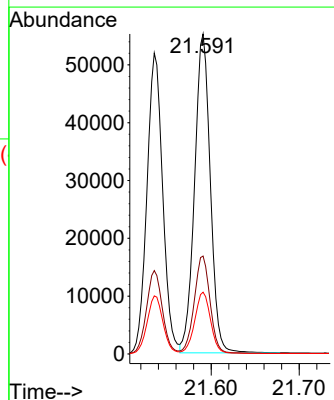
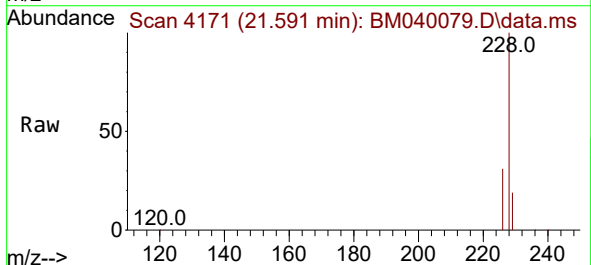
Instrument :
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SSTD1.6012

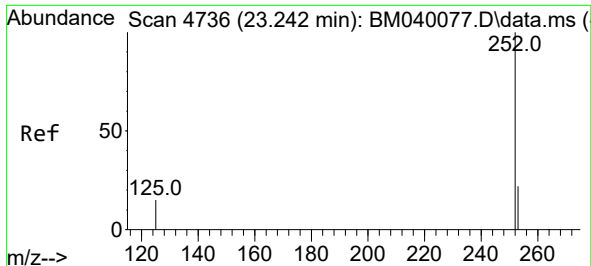
Tgt Ion:228 Resp: 64605
Ion Ratio Lower Upper
228 100
229 19.3 16.1 24.1
226 27.7 22.1 33.1



#22
Chrysene
Concen: 1.449 ng/ul
RT: 21.591 min Scan# 4171
Delta R.T. 0.003 min
Lab File: BM040079.D
Acq: 31 May 2023 14:23

Tgt Ion:228 Resp: 68552
Ion Ratio Lower Upper
228 100
226 30.6 24.8 37.2
229 19.3 15.9 23.9

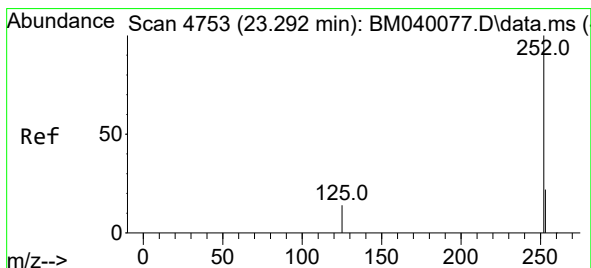
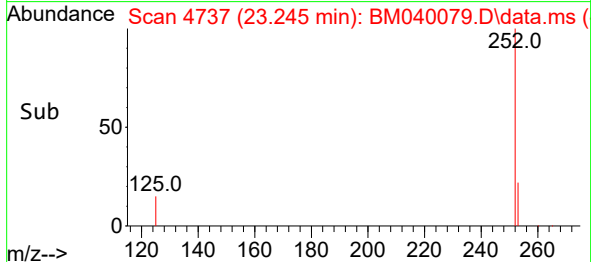
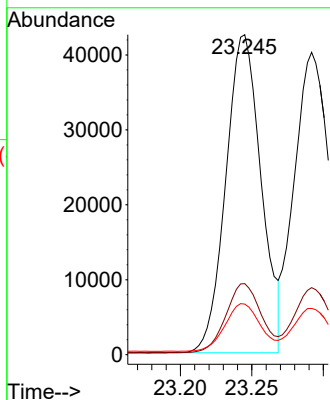
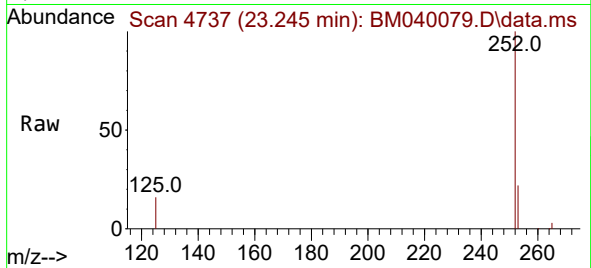




#24
Benzo(b)fluoranthene
Concen: 1.564 ng/ul
RT: 23.245 min Scan# 4737
Delta R.T. 0.003 min
Lab File: BM040079.D
Acq: 31 May 2023 14:23

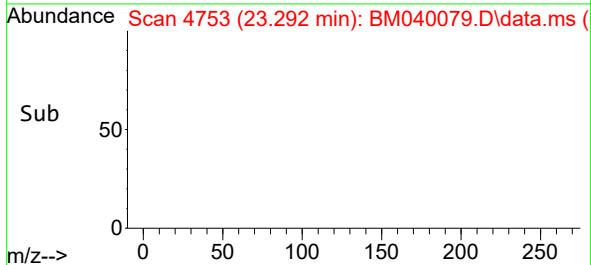
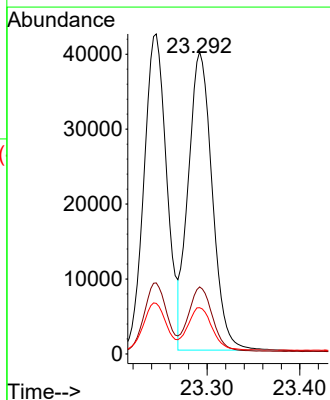
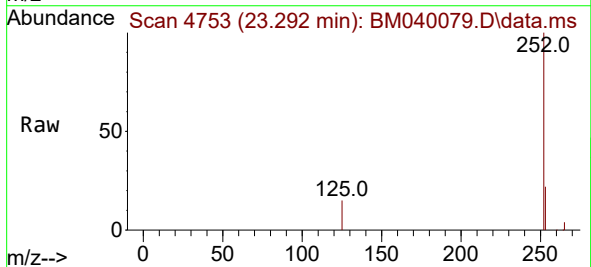
Instrument :
BNA_M
ClientSampleId :
SSTD1.6012

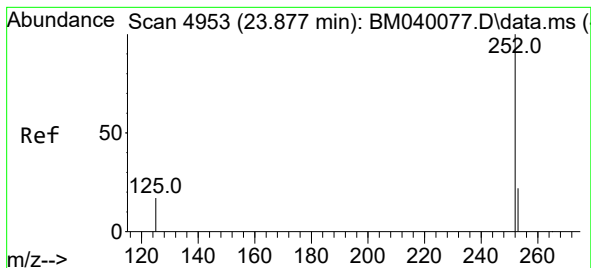
Tgt Ion:252 Resp: 72984
Ion Ratio Lower Upper
252 100
253 22.2 0.0 48.6
125 15.8 0.0 38.8



#25
Benzo(k)fluoranthene
Concen: 1.607 ng/ul
RT: 23.292 min Scan# 4753
Delta R.T. -0.000 min
Lab File: BM040079.D
Acq: 31 May 2023 14:23

Tgt Ion:252 Resp: 71409
Ion Ratio Lower Upper
252 100
253 22.2 19.5 29.3
125 15.3 15.9 23.9#





#26

Benzo(a)pyrene

Concen: 1.596 ng/ul

RT: 23.879 min Scan# 4953

Delta R.T. 0.003 min

Lab File: BM040079.D

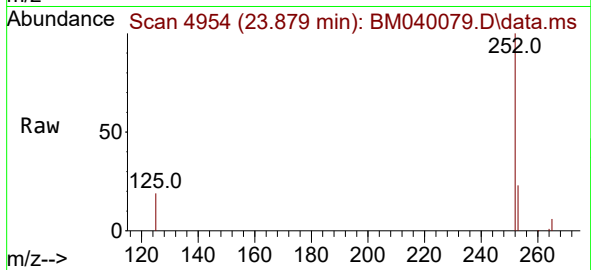
Acq: 31 May 2023 14:23

Instrument :

BNA_M

ClientSampleId :

SSTD1.6012



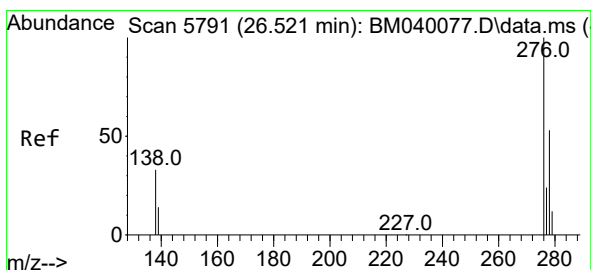
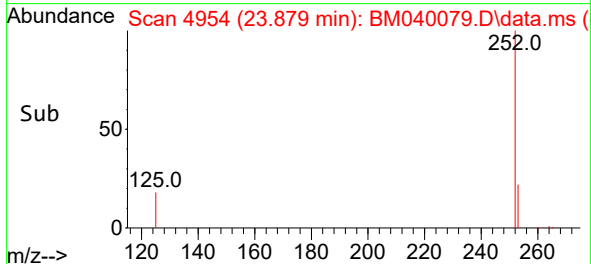
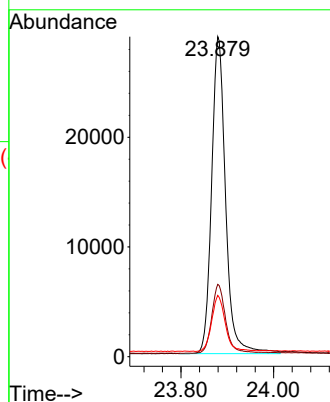
Tgt Ion:252 Resp: 60591

Ion Ratio Lower Upper

252 100

253 22.6 21.0 31.4

125 19.1 19.8 29.8#



#27

Indeno(1,2,3-cd)pyrene

Concen: 1.579 ng/ul

RT: 26.524 min Scan# 5792

Delta R.T. 0.003 min

Lab File: BM040079.D

Acq: 31 May 2023 14:23

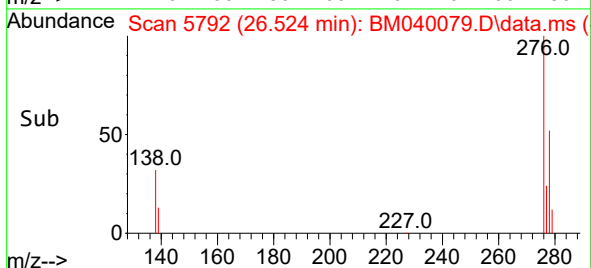
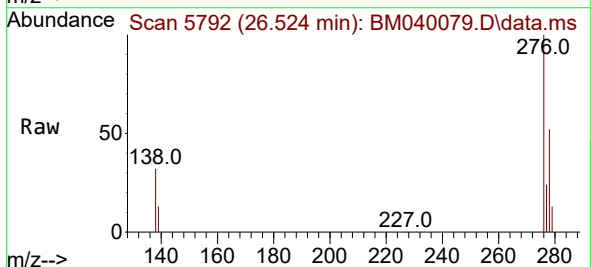
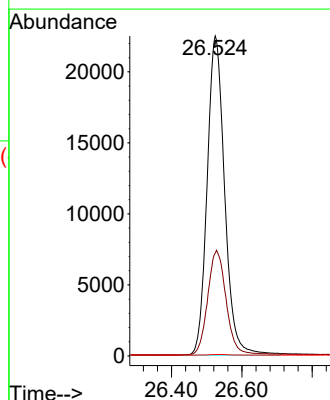
Tgt Ion:276 Resp: 77719

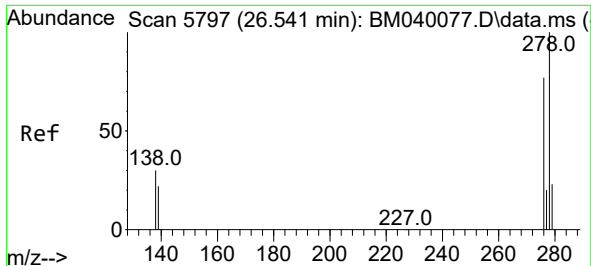
Ion Ratio Lower Upper

276 100

138 34.5 28.0 42.0

227 0.2 0.1 0.1#

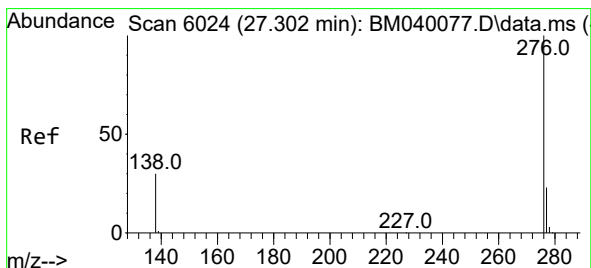
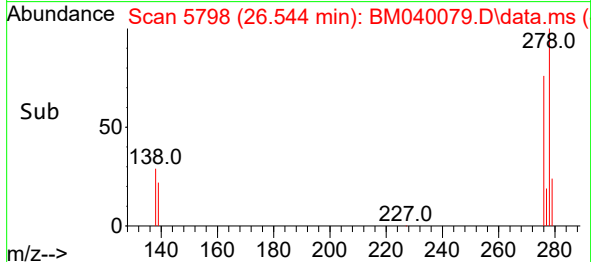
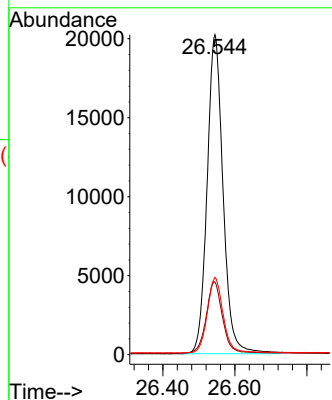
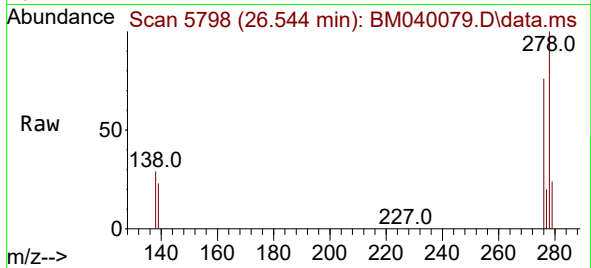




#28
Dibenzo(a,h)anthracene
Concen: 1.601 ng/ul
RT: 26.544 min Scan# 5798
Delta R.T. 0.003 min
Lab File: BM040079.D
Acq: 31 May 2023 14:23

Instrument :
BNA_M
ClientSampleId :
SSTD1.6012

Tgt Ion:278 Resp: 62282
Ion Ratio Lower Upper
278 100
139 22.7 19.6 29.4
279 24.2 21.0 31.6



#29
Benzo(g,h,i)perylene
Concen: 1.550 ng/ul
RT: 27.302 min Scan# 6024
Delta R.T. -0.000 min
Lab File: BM040079.D
Acq: 31 May 2023 14:23

Tgt Ion:276 Resp: 61864
Ion Ratio Lower Upper
276 100
138 29.8 25.2 37.8
277 23.6 19.8 29.8

