

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM053123\
 Data File : BM040078.D
 Acq On : 31 May 2023 13:47
 Operator : CG/JU
 Sample : SSTD0.879
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.8011

Quant Time: May 31 18:07:21 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)

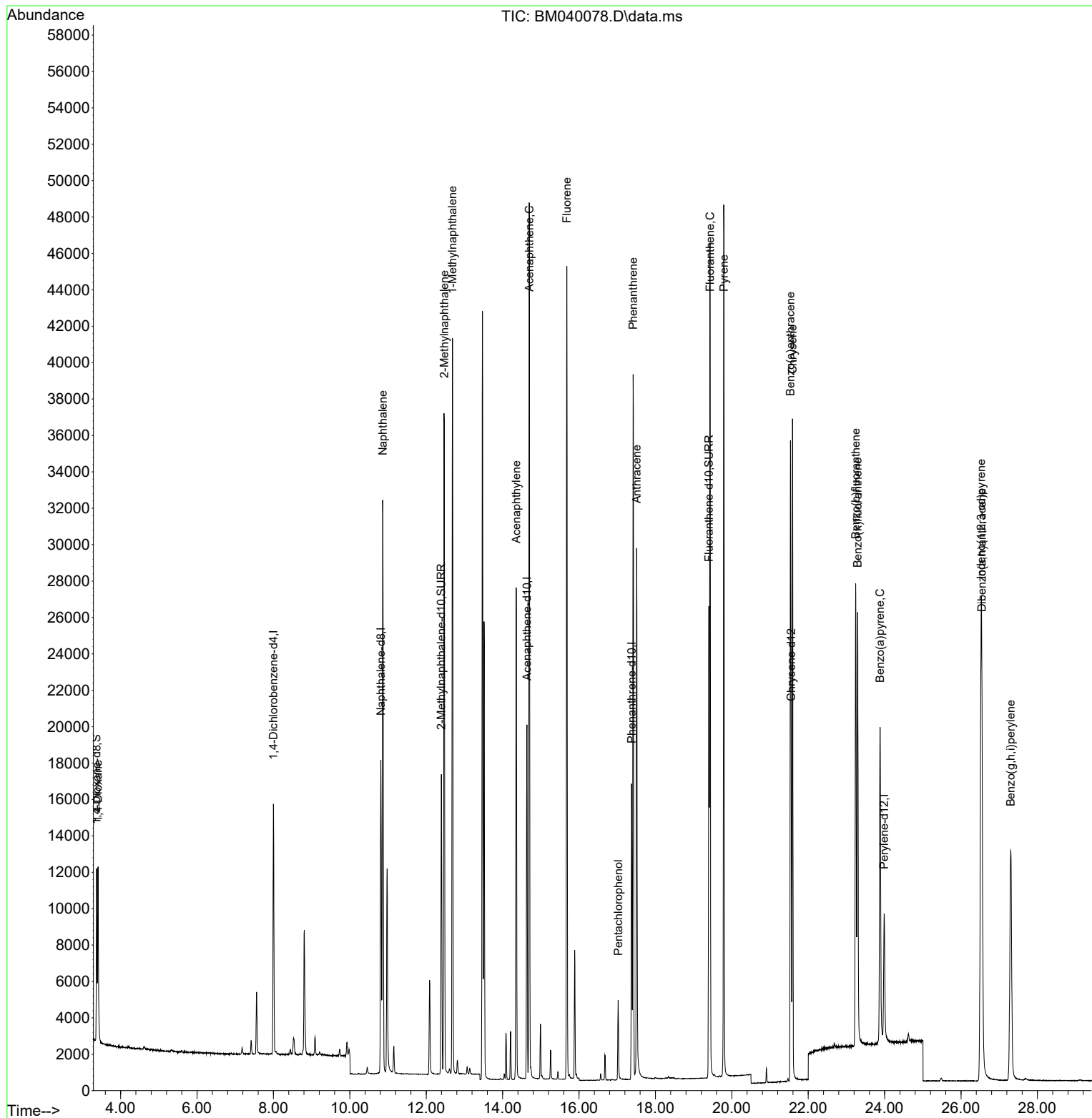
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.999	152	7078	0.400	ng/ul	0.00
4) Naphthalene-d8	10.811	136	22690	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.637	164	10339	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.379	188	18109	0.400	ng/ul	0.00
17) Chrysene-d12	21.553	240	11767	0.400	ng/ul	0.00
23) Perylene-d12	23.988	264	10140	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.371	96	6511	0.748	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.395	152	20667	0.749	ng/ul	0.00
18) Fluoranthene-d10	19.398	212	25166	0.732	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.409	88	6894	0.754	ng/ul#	72
5) Naphthalene	10.861	128	43793	0.725	ng/ul	99
7) 2-Methylnaphthalene	12.472	142	25571	0.761	ng/ul	100
8) 1-Methylnaphthalene	12.686	142	26391	0.752	ng/ul	100
10) Acenaphthylene	14.355	152	30570	0.757	ng/ul	99
11) Acenaphthene	14.697	153	26346	0.759	ng/ul	99
12) Fluorene	15.683	166	27402	0.762	ng/ul	99
14) Pentachlorophenol	17.024	266	2950	0.728	ng/ul	100
15) Phenanthrene	17.417	178	39654	0.763	ng/ul	100
16) Anthracene	17.510	178	32761	0.771	ng/ul	100
19) Fluoranthene	19.431	202	37952	0.747	ng/ul	100
20) Pyrene	19.789	202	37553	0.734	ng/ul	99
21) Benzo(a)anthracene	21.535	228	28648	0.742	ng/ul	99
22) Chrysene	21.588	228	31172	0.745	ng/ul	100
24) Benzo(b)fluoranthene	23.242	252	32811	0.768	ng/ul	97
25) Benzo(k)fluoranthene	23.292	252	31499	0.774	ng/ul	95
26) Benzo(a)pyrene	23.880	252	26533	0.763	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	26.524	276	35717	0.792	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.544	278	28491	0.799	ng/ul	97
29) Benzo(g,h,i)perylene	27.302	276	28289	0.774	ng/ul	99

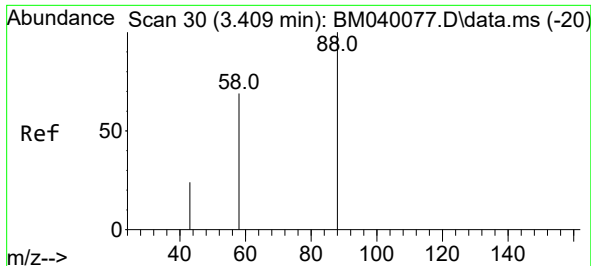
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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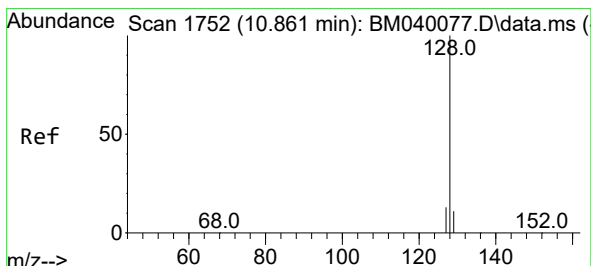
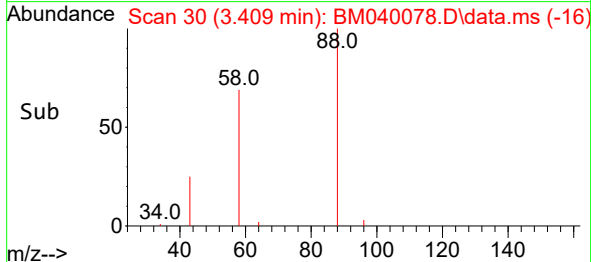
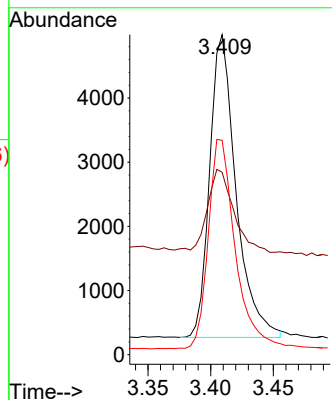
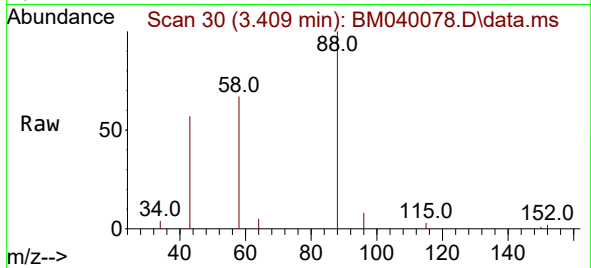




#2
1,4-Dioxane
Concen: 0.754 ng/ul
RT: 3.409 min Scan# 30
Delta R.T. 0.000 min
Lab File: BM040078.D
Acq: 31 May 2023 13:47

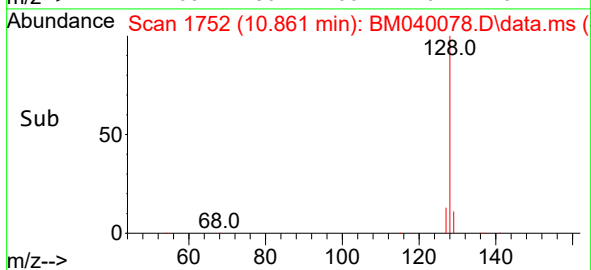
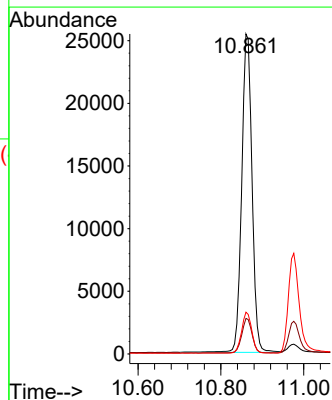
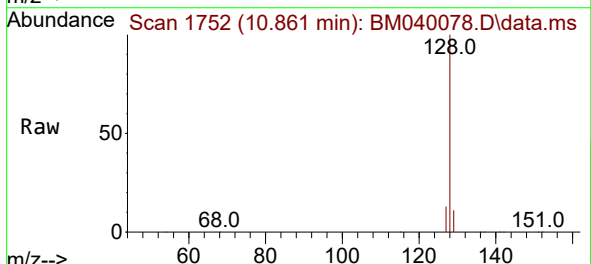
Instrument :
BNA_M
ClientSampleId :
SSTD0.8011

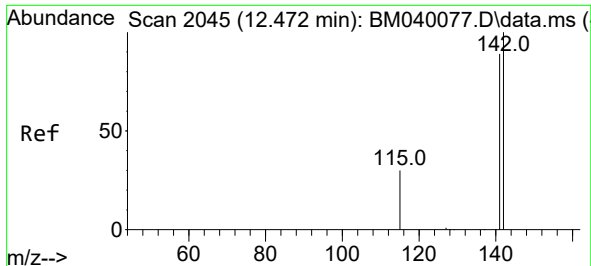
Tgt Ion: 88 Resp: 6894
Ion Ratio Lower Upper
88 100
43 57.0 81.3 121.9#
58 67.0 52.0 78.0



#5
Naphthalene
Concen: 0.725 ng/ul
RT: 10.861 min Scan# 1752
Delta R.T. 0.000 min
Lab File: BM040078.D
Acq: 31 May 2023 13:47

Tgt Ion: 128 Resp: 43793
Ion Ratio Lower Upper
128 100
129 11.1 9.2 13.8
127 13.1 10.5 15.7

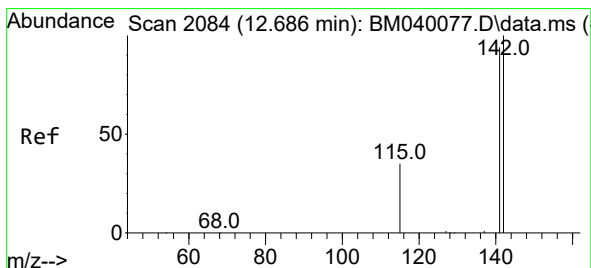
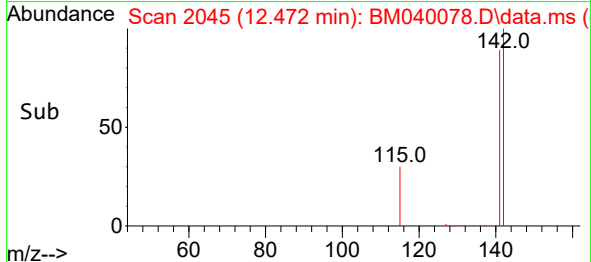
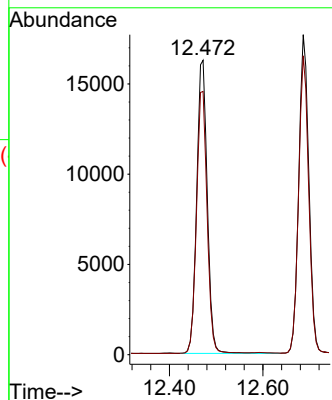
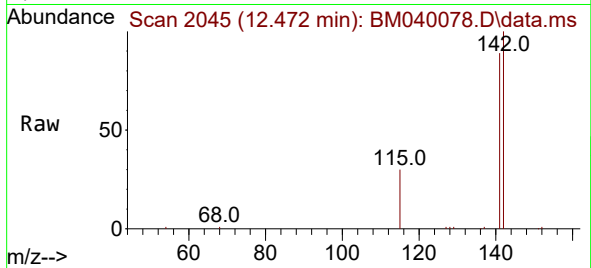




#7
2-Methylnaphthalene
Concen: 0.761 ng/ul
RT: 12.472 min Scan# 2045
Delta R.T. 0.000 min
Lab File: BM040078.D
Acq: 31 May 2023 13:47

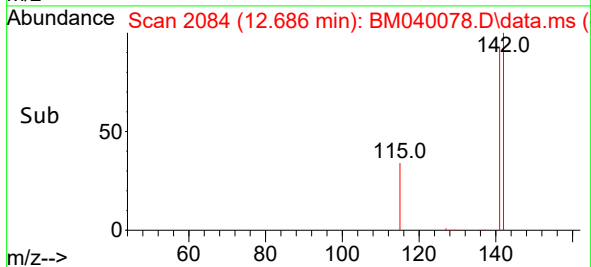
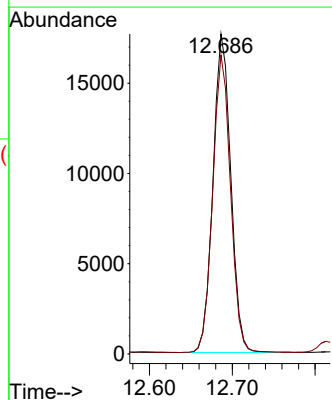
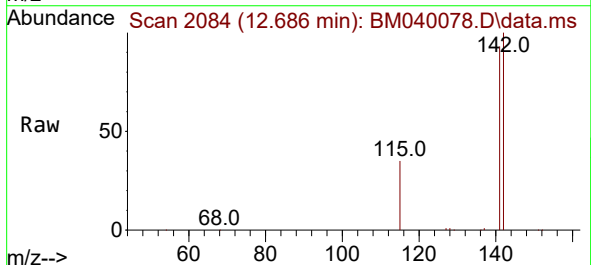
Instrument :
BNA_M
ClientSampleId :
SSTD0.8011

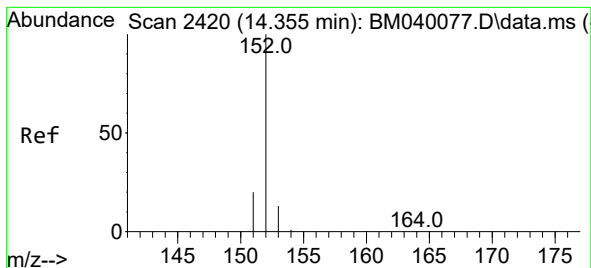
Tgt Ion:142 Resp: 25571
Ion Ratio Lower Upper
142 100
141 89.5 71.8 107.8



#8
1-Methylnaphthalene
Concen: 0.752 ng/ul
RT: 12.686 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM040078.D
Acq: 31 May 2023 13:47

Tgt Ion:142 Resp: 26391
Ion Ratio Lower Upper
142 100
141 93.4 74.7 112.1





#10

Acenaphthylene

Concen: 0.757 ng/ul

RT: 14.355 min Scan# 2420

Delta R.T. 0.000 min

Lab File: BM040078.D

Acq: 31 May 2023 13:47

Instrument :

BNA_M

ClientSampleId :

SSTD0.8011

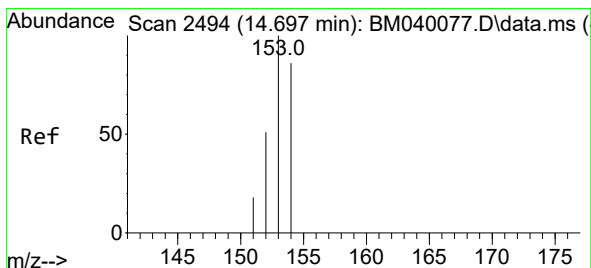
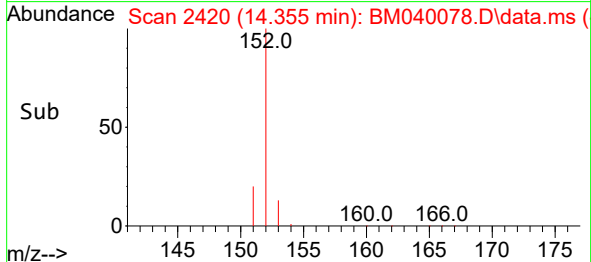
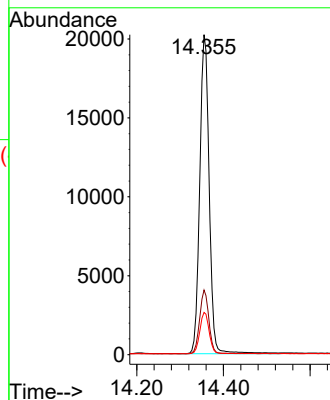
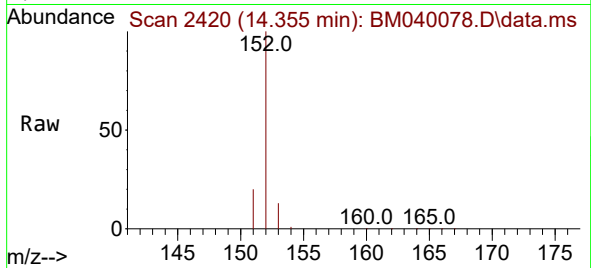
Tgt Ion:152 Resp: 30570

Ion Ratio Lower Upper

152 100

151 20.2 16.4 24.6

153 13.2 10.8 16.2



#11

Acenaphthene

Concen: 0.759 ng/ul

RT: 14.697 min Scan# 2494

Delta R.T. 0.000 min

Lab File: BM040078.D

Acq: 31 May 2023 13:47

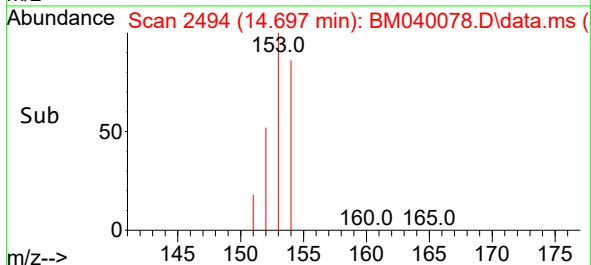
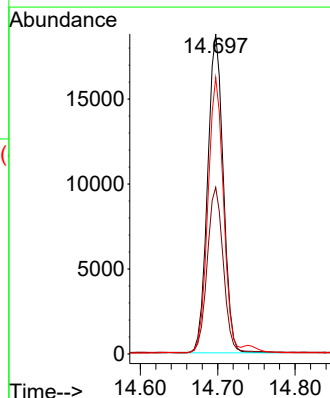
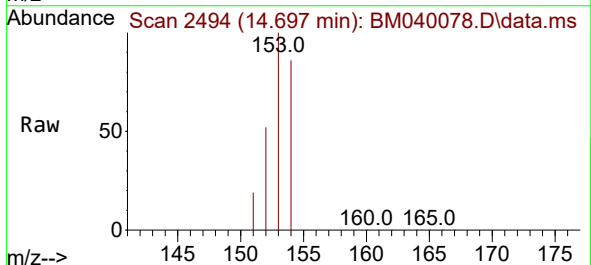
Tgt Ion:153 Resp: 26346

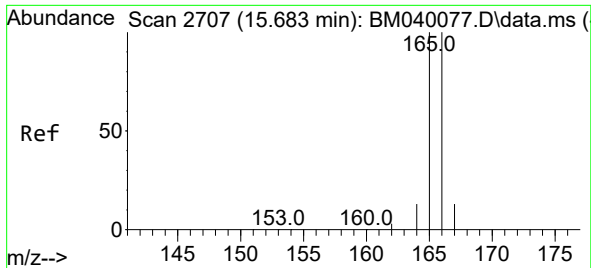
Ion Ratio Lower Upper

153 100

152 52.0 41.2 61.8

154 86.4 68.8 103.2

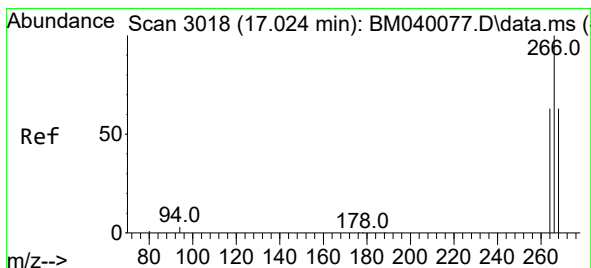
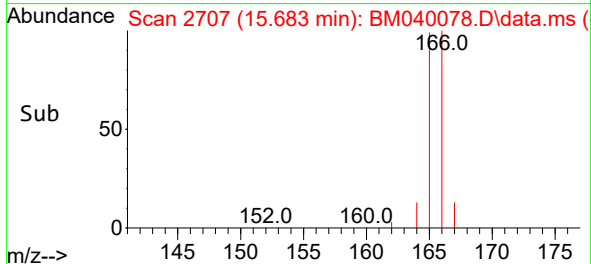
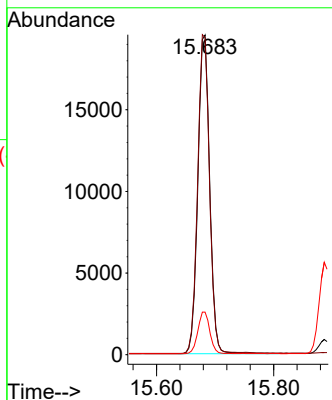
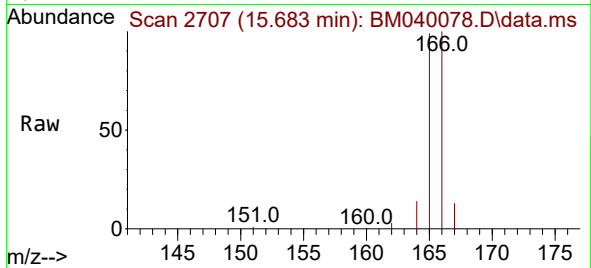




#12
 Fluorene
 Concen: 0.762 ng/ul
 RT: 15.683 min Scan# 2707
 Delta R.T. 0.000 min
 Lab File: BM040078.D
 Acq: 31 May 2023 13:47

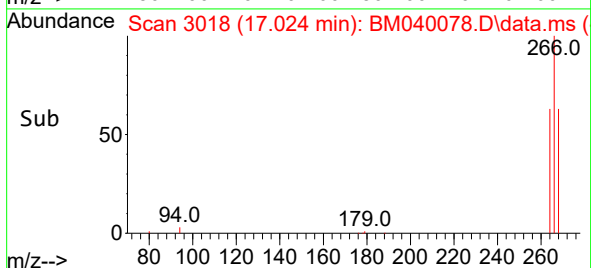
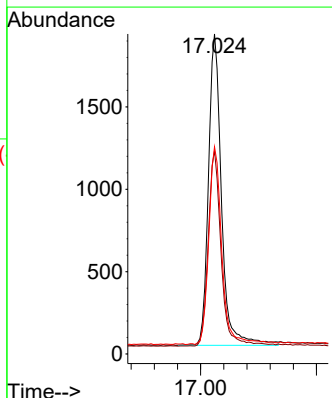
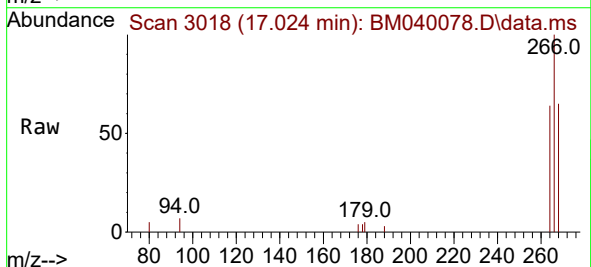
Instrument :
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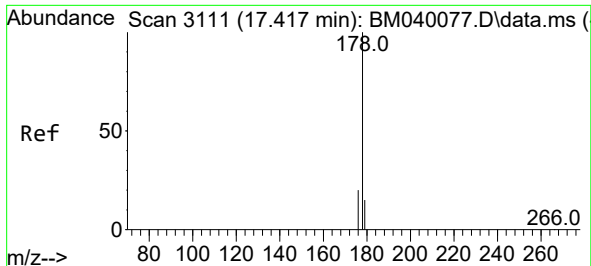
Tgt Ion:166 Resp: 27402
 Ion Ratio Lower Upper
 166 100
 165 99.2 79.8 119.8
 167 13.3 11.2 16.8



#14
 Pentachlorophenol
 Concen: 0.728 ng/ul
 RT: 17.024 min Scan# 3018
 Delta R.T. 0.000 min
 Lab File: BM040078.D
 Acq: 31 May 2023 13:47

Tgt Ion:266 Resp: 2950
 Ion Ratio Lower Upper
 266 100
 264 62.6 49.9 74.9
 268 64.2 51.5 77.3

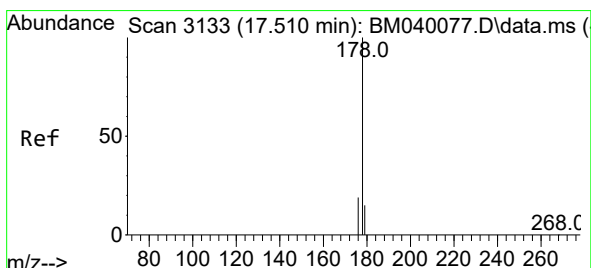
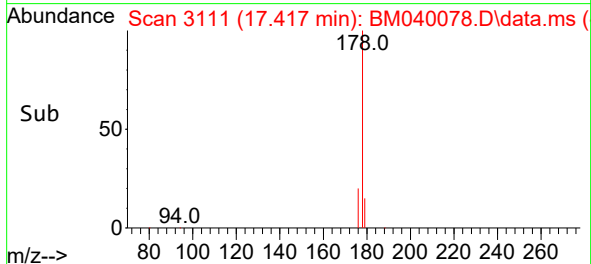
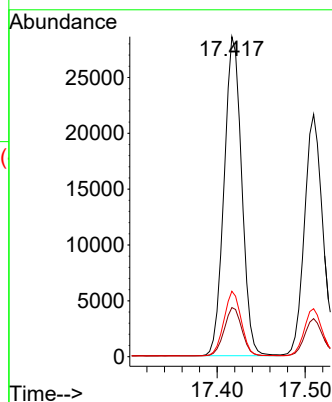
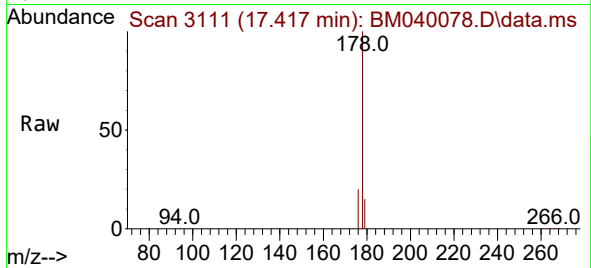




#15
Phenanthrene
Concen: 0.763 ng/ul
RT: 17.417 min Scan# 3111
Delta R.T. 0.000 min
Lab File: BM040078.D
Acq: 31 May 2023 13:47

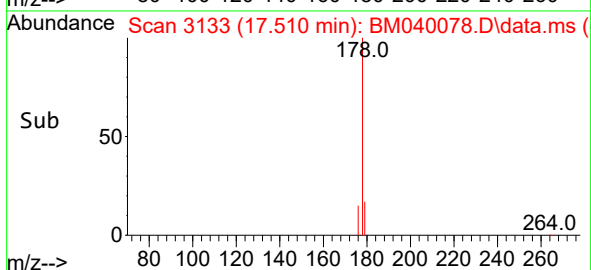
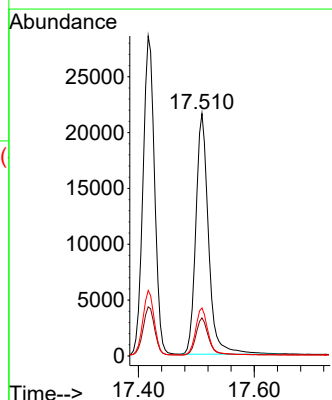
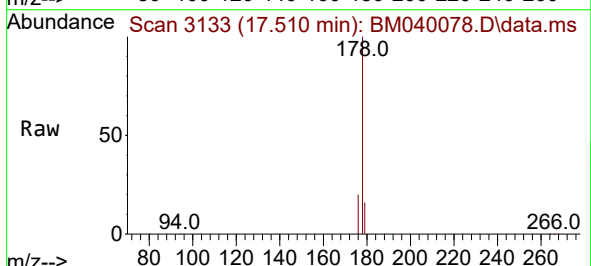
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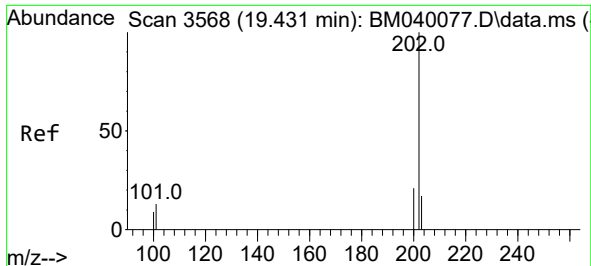
Tgt Ion:178 Resp: 39654
Ion Ratio Lower Upper
178 100
179 15.4 12.4 18.6
176 20.5 16.4 24.6



#16
Anthracene
Concen: 0.771 ng/ul
RT: 17.510 min Scan# 3133
Delta R.T. 0.000 min
Lab File: BM040078.D
Acq: 31 May 2023 13:47

Tgt Ion:178 Resp: 32761
Ion Ratio Lower Upper
178 100
179 15.7 12.6 19.0
176 19.8 15.8 23.6

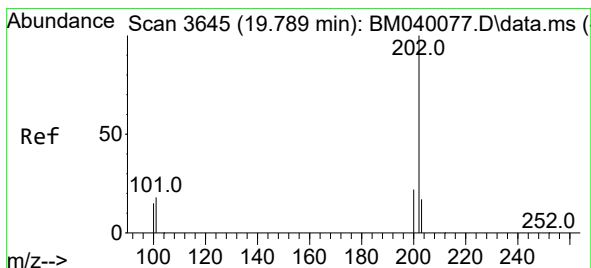
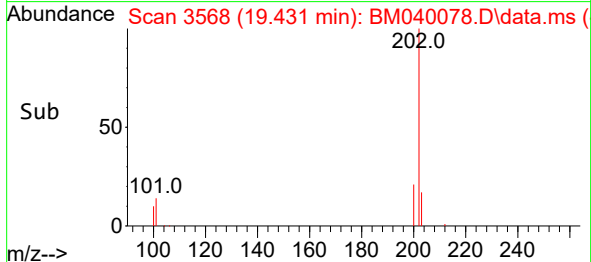
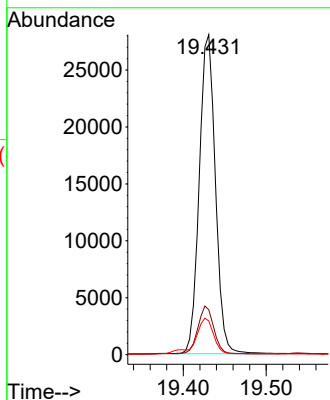
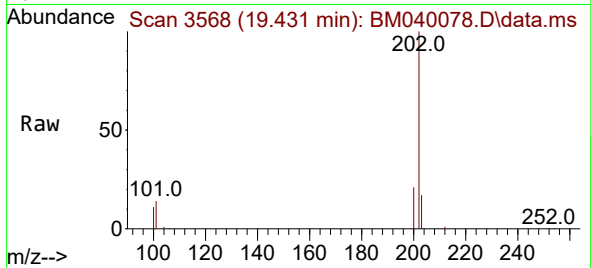




#19
Fluoranthene
Concen: 0.747 ng/ul
RT: 19.431 min Scan# 3568
Delta R.T. 0.000 min
Lab File: BM040078.D
Acq: 31 May 2023 13:47

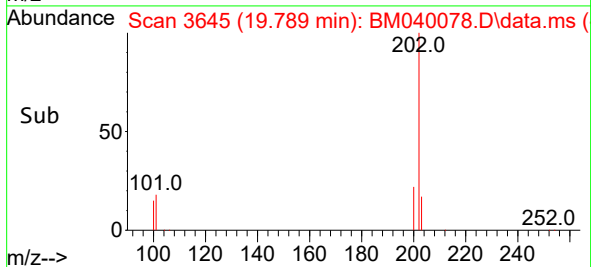
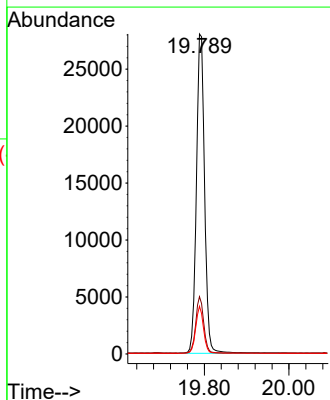
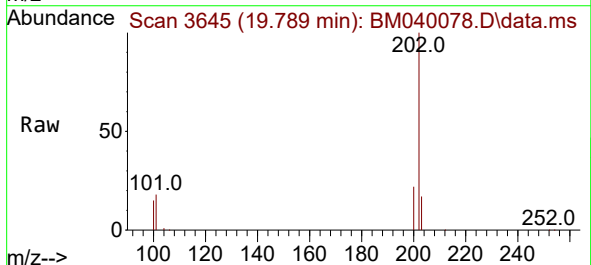
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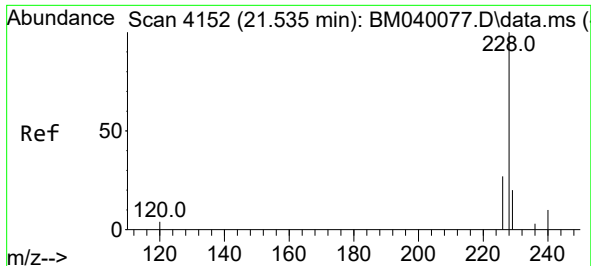
Tgt Ion:202 Resp: 37952
Ion Ratio Lower Upper
202 100
101 14.0 11.2 16.8
100 10.6 8.6 12.8



#20
Pyrene
Concen: 0.734 ng/ul
RT: 19.789 min Scan# 3645
Delta R.T. 0.000 min
Lab File: BM040078.D
Acq: 31 May 2023 13:47

Tgt Ion:202 Resp: 37553
Ion Ratio Lower Upper
202 100
101 17.9 14.7 22.1
100 14.9 12.2 18.2

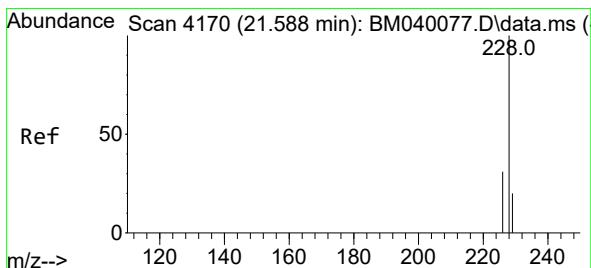
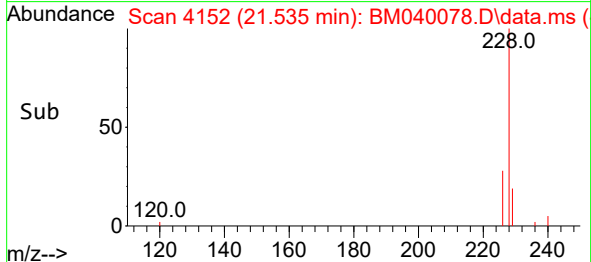
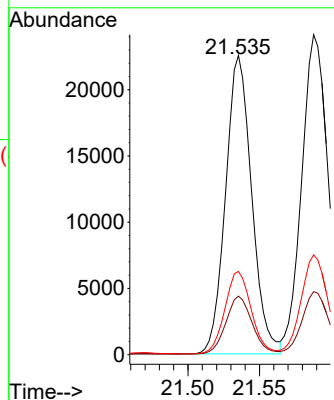
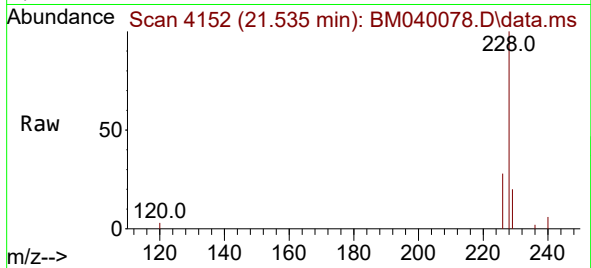




#21
Benzo(a)anthracene
Concen: 0.742 ng/ul
RT: 21.535 min Scan# 4152
Delta R.T. 0.000 min
Lab File: BM040078.D
Acq: 31 May 2023 13:47

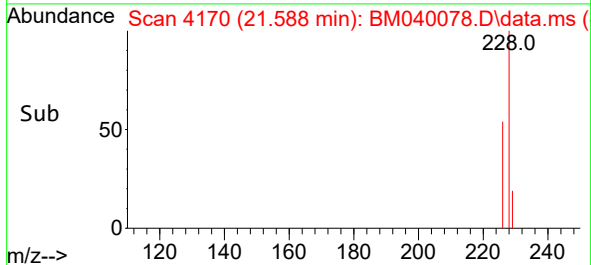
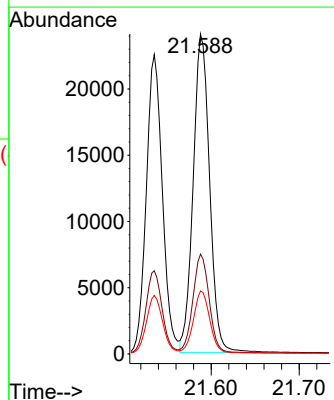
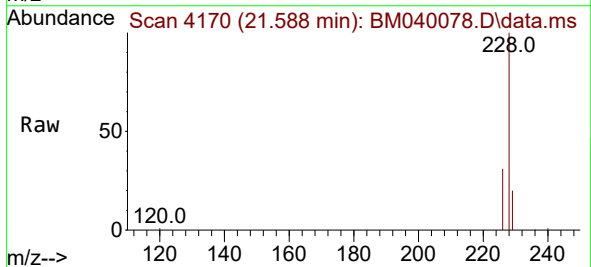
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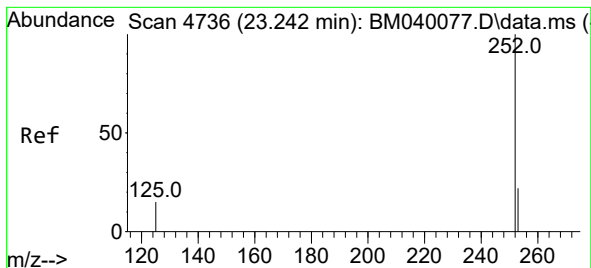
Tgt Ion:228 Resp: 28648
Ion Ratio Lower Upper
228 100
229 19.5 16.1 24.1
226 27.8 22.1 33.1



#22
Chrysene
Concen: 0.745 ng/ul
RT: 21.588 min Scan# 4170
Delta R.T. 0.000 min
Lab File: BM040078.D
Acq: 31 May 2023 13:47

Tgt Ion:228 Resp: 31172
Ion Ratio Lower Upper
228 100
226 31.2 24.8 37.2
229 19.7 15.9 23.9





#24

Benzo(b)fluoranthene

Concen: 0.768 ng/ul

RT: 23.242 min Scan# 4736

Delta R.T. 0.000 min

Lab File: BM040078.D

Acq: 31 May 2023 13:47

Instrument :

BNA_M

ClientSampleId :

SSTD0.8011

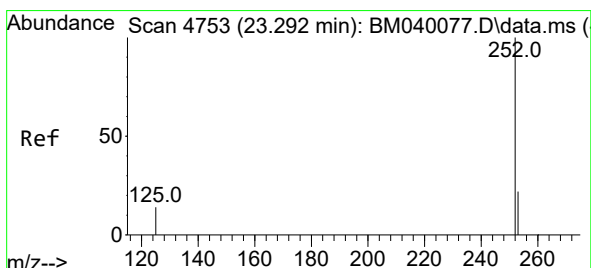
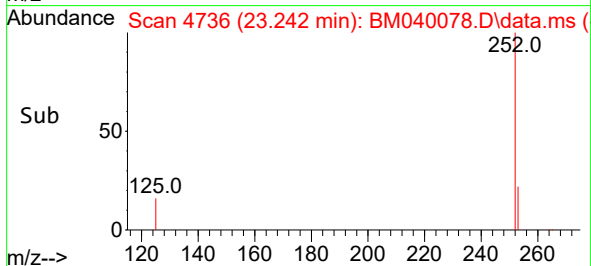
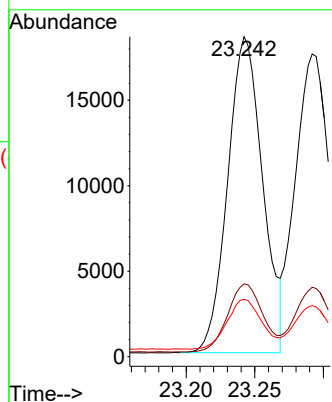
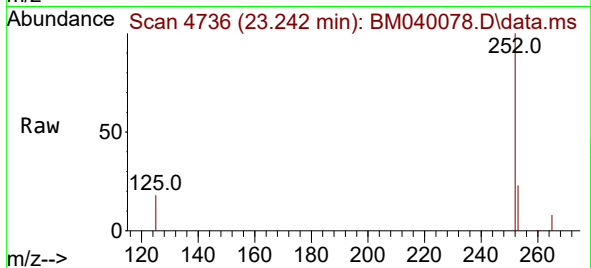
Tgt Ion:252 Resp: 32811

Ion Ratio Lower Upper

252 100

253 22.7 0.0 48.6

125 17.9 0.0 38.8



#25

Benzo(k)fluoranthene

Concen: 0.774 ng/ul

RT: 23.292 min Scan# 4753

Delta R.T. 0.000 min

Lab File: BM040078.D

Acq: 31 May 2023 13:47

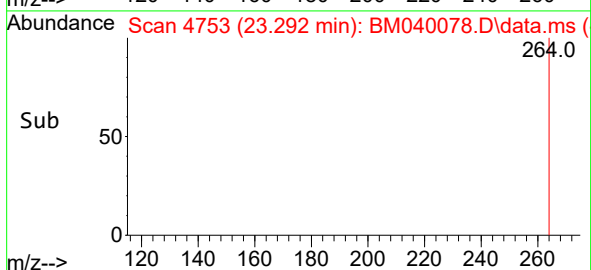
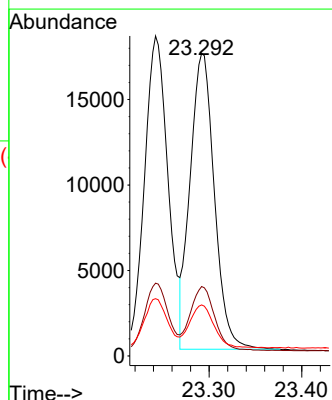
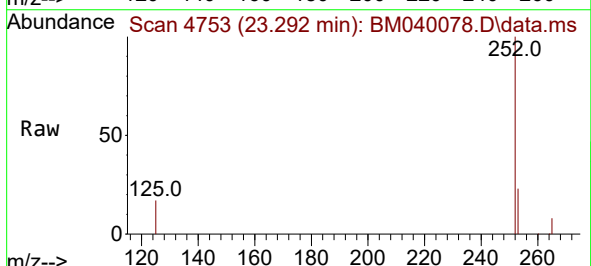
Tgt Ion:252 Resp: 31499

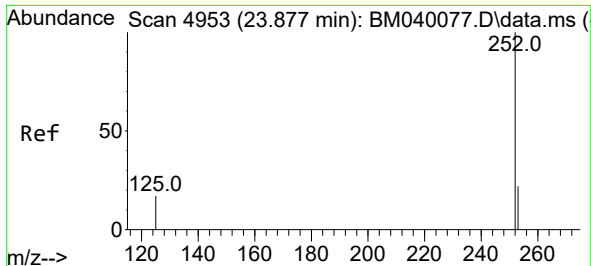
Ion Ratio Lower Upper

252 100

253 22.9 19.5 29.3

125 16.9 15.9 23.9

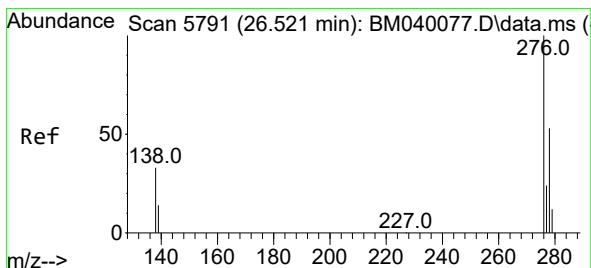
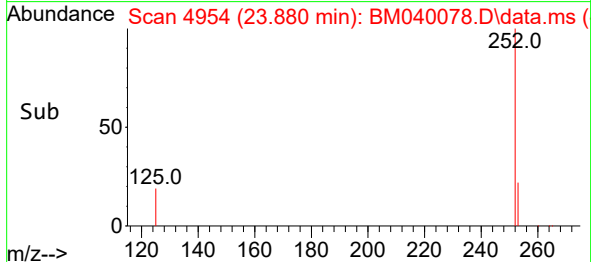
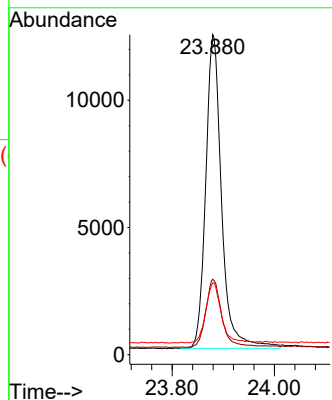
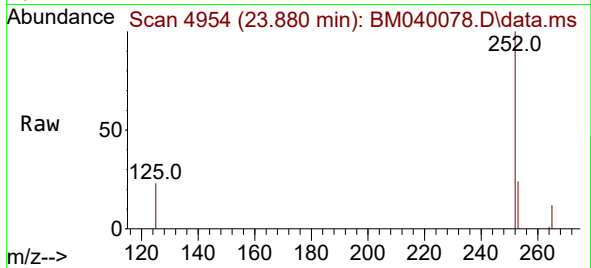




#26
Benzo(a)pyrene
Concen: 0.763 ng/ul
RT: 23.880 min Scan# 4953
Delta R.T. 0.003 min
Lab File: BM040078.D
Acq: 31 May 2023 13:47

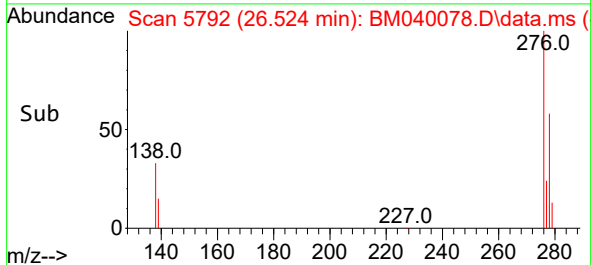
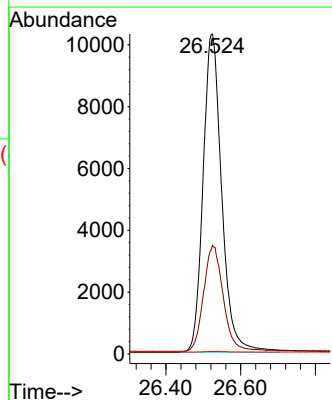
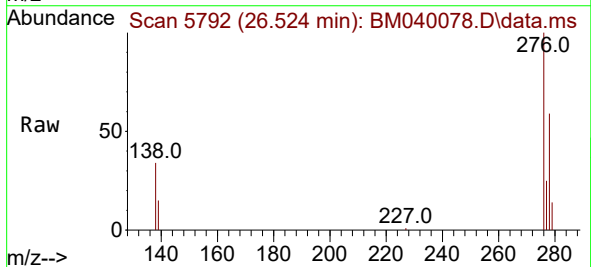
Instrument :
BNA_M
ClientSampleId :
SSTD0.8011

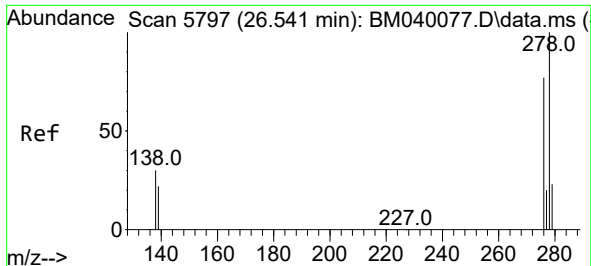
Tgt Ion:252	Resp:	26533
Ion Ratio	Lower	Upper
252	100	
253	23.5	21.0 31.4
125	22.5	19.8 29.8



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.792 ng/ul
RT: 26.524 min Scan# 5792
Delta R.T. 0.003 min
Lab File: BM040078.D
Acq: 31 May 2023 13:47

Tgt Ion:276	Resp:	35717
Ion Ratio	Lower	Upper
276	100	
138	35.0	28.0 42.0
227	0.2	0.1 0.1#

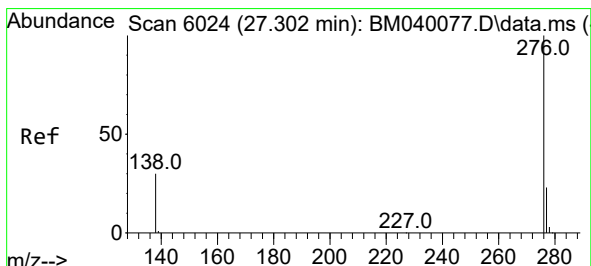
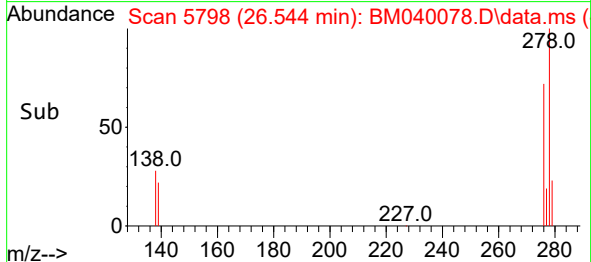
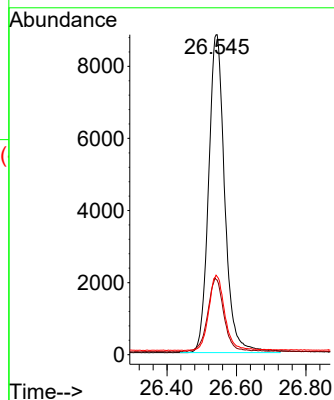
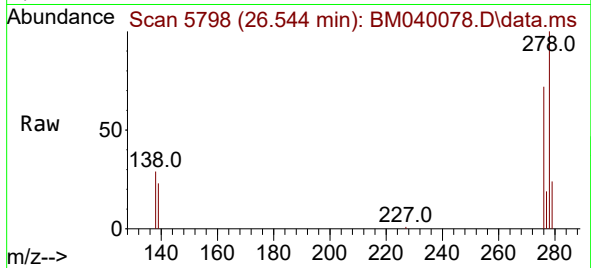




#28
Dibenzo(a,h)anthracene
Concen: 0.799 ng/ul
RT: 26.544 min Scan# 5797
Delta R.T. 0.003 min
Lab File: BM040078.D
Acq: 31 May 2023 13:47

Instrument :
BNA_M
ClientSampleId :
SSTD0.8011

Tgt Ion: 278 Resp: 28491
Ion Ratio Lower Upper
278 100
139 23.3 19.6 29.4
279 24.4 21.0 31.6



#29
Benzo(g,h,i)perylene
Concen: 0.774 ng/ul
RT: 27.302 min Scan# 6024
Delta R.T. 0.000 min
Lab File: BM040078.D
Acq: 31 May 2023 13:47

Tgt Ion: 276 Resp: 28289
Ion Ratio Lower Upper
276 100
138 31.4 25.2 37.8
277 24.3 19.8 29.8

