

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061523\
 Data File : BM040252.D
 Acq On : 15 Jun 2023 08:35
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4118

Quant Time: Jun 15 23:41:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 00:31:16 2023
 Response via : Initial Calibration

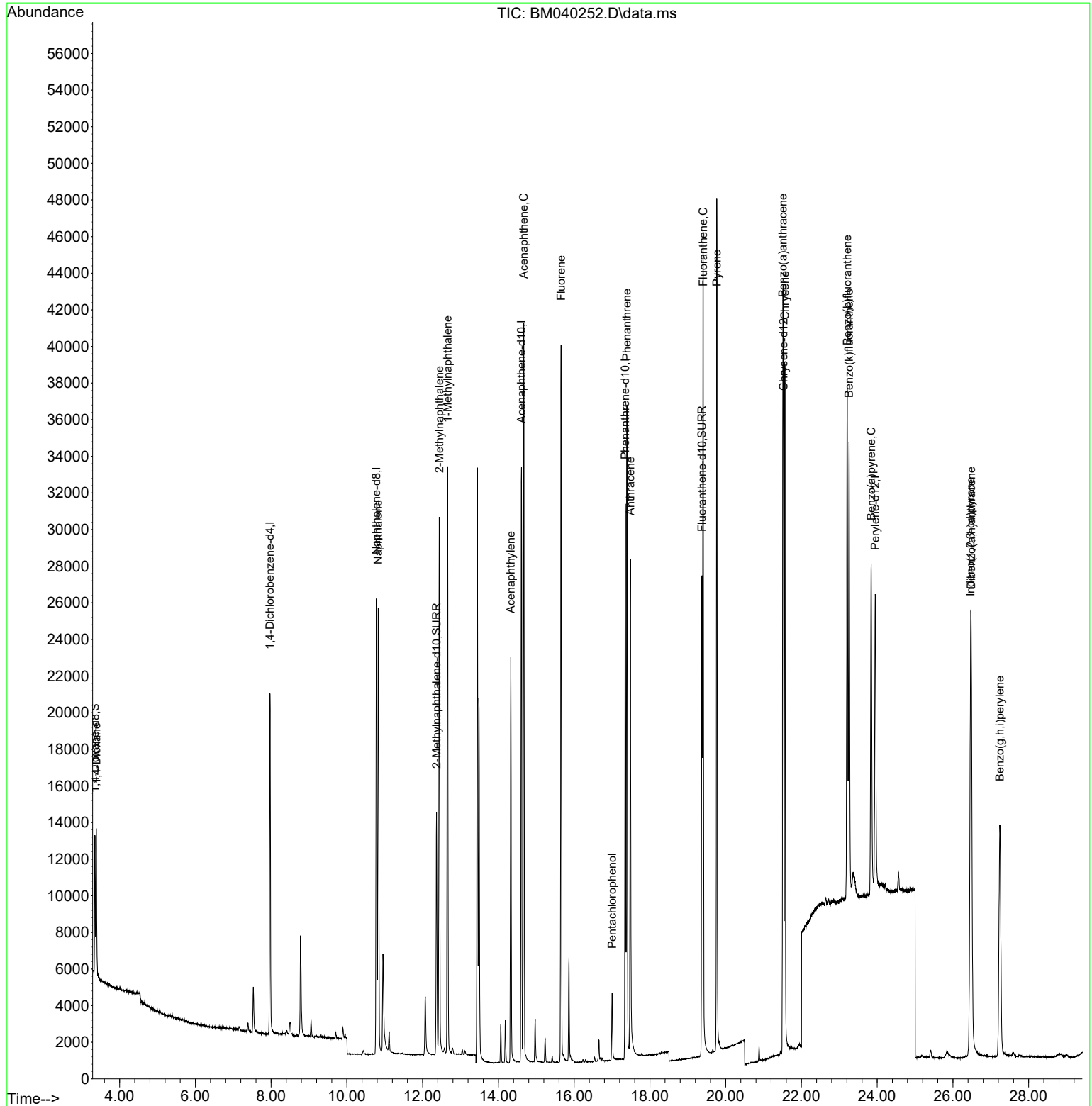
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.970	152	9682	0.400	ng/ul	0.00
4) Naphthalene-d8	10.778	136	34483	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.610	164	17897	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.349	188	35452	0.400	ng/ul	0.00
17) Chrysene-d12	21.527	240	24597	0.400	ng/ul	0.00
23) Perylene-d12	23.950	264	23393	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.350	96	4835	0.404	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.367	152	17579	0.402	ng/ul	0.00
18) Fluoranthene-d10	19.375	212	28470	0.464	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.384	88	5068	0.404	ng/ul#	84
5) Naphthalene	10.828	128	33508	0.410	ng/ul	100
7) 2-Methylnaphthalene	12.439	142	20666	0.407	ng/ul	100
8) 1-Methylnaphthalene	12.659	142	21598	0.406	ng/ul	99
10) Acenaphthylene	14.327	152	25449	0.407	ng/ul	100
11) Acenaphthene	14.670	153	22635	0.422	ng/ul	99
12) Fluorene	15.655	166	24851	0.416	ng/ul	99
14) Pentachlorophenol	17.003	266	2733	0.378	ng/ul	99
15) Phenanthrene	17.391	178	38172	0.410	ng/ul	100
16) Anthracene	17.484	178	31063	0.393	ng/ul	100
19) Fluoranthene	19.403	202	38506	0.460	ng/ul	99
20) Pyrene	19.765	202	39364	0.452	ng/ul	99
21) Benzo(a)anthracene	21.509	228	32137	0.443	ng/ul	100
22) Chrysene	21.564	228	33819	0.441	ng/ul	100
24) Benzo(b)fluoranthene	23.210	252	35323	0.410	ng/ul	96
25) Benzo(k)fluoranthene	23.257	252	33658	0.414	ng/ul	98
26) Benzo(a)pyrene	23.842	252	28547	0.403	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	26.464	276	34425	0.384	ng/ul#	97
28) Dibenzo(a,h)anthracene	26.484	278	27743	0.386	ng/ul	98
29) Benzo(g,h,i)perylene	27.239	276	28799	0.385	ng/ul	98

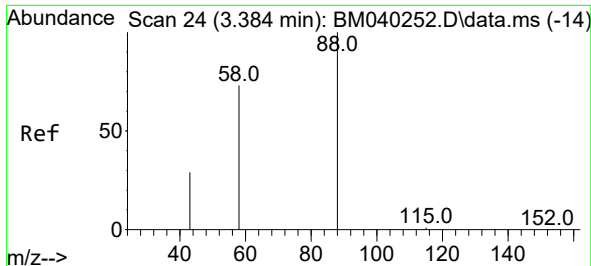
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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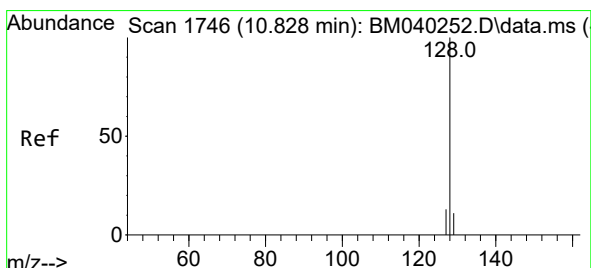
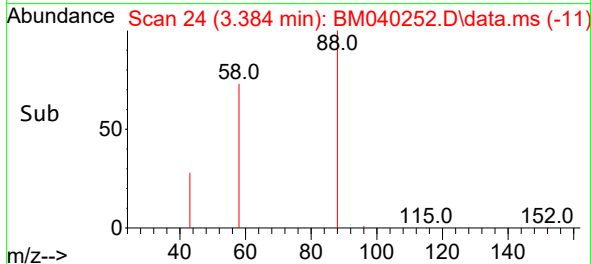
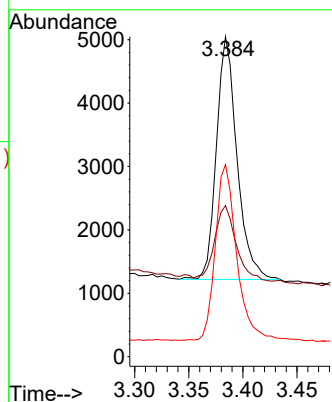
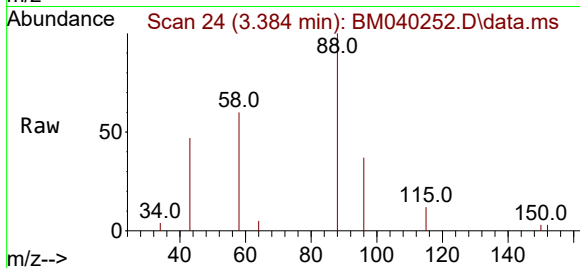




#2
1,4-Dioxane
Concen: 0.404 ng/ul
RT: 3.384 min Scan# 24
Delta R.T. -0.004 min
Lab File: BM040252.D
Acq: 15 Jun 2023 08:35

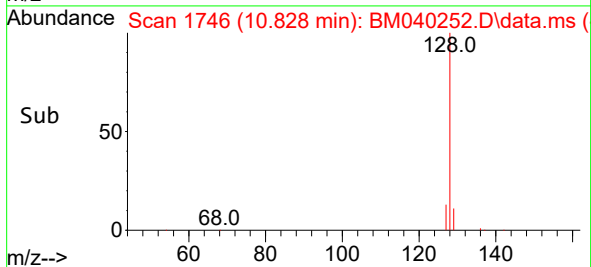
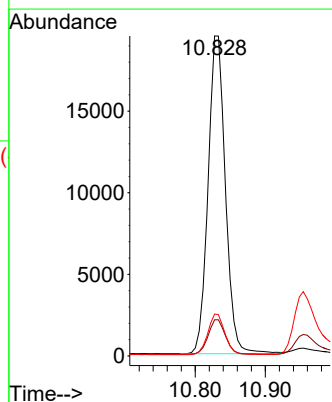
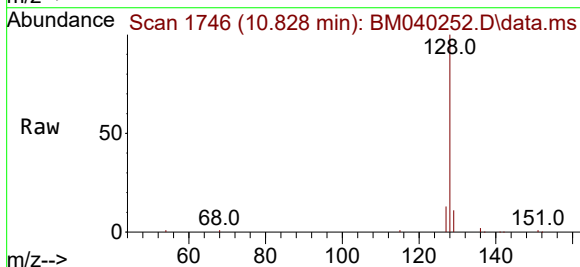
Instrument :
BNA_M
ClientSampleId :
SSTD0.4118

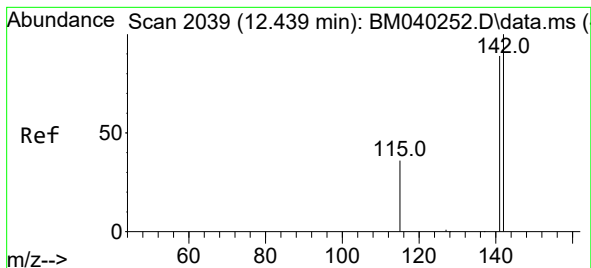
Tgt Ion: 88 Resp: 5068
Ion Ratio Lower Upper
88 100
43 47.2 30.3 45.5#
58 60.0 38.8 58.2#



#5
Naphthalene
Concen: 0.410 ng/ul
RT: 10.828 min Scan# 1746
Delta R.T. -0.005 min
Lab File: BM040252.D
Acq: 15 Jun 2023 08:35

Tgt Ion: 128 Resp: 33508
Ion Ratio Lower Upper
128 100
129 11.3 9.1 13.7
127 13.1 10.4 15.6

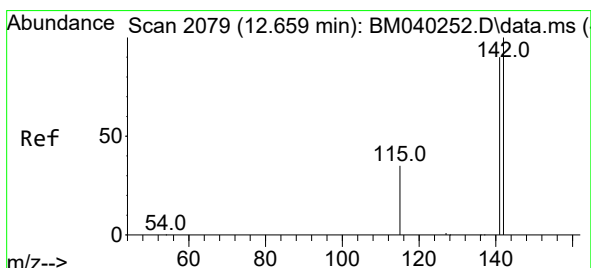
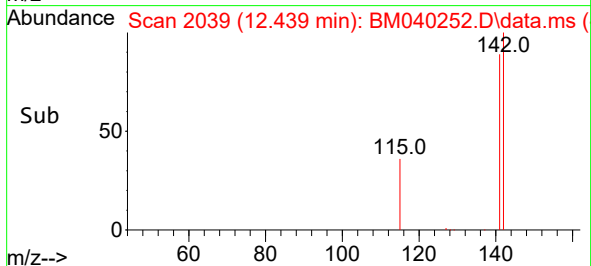
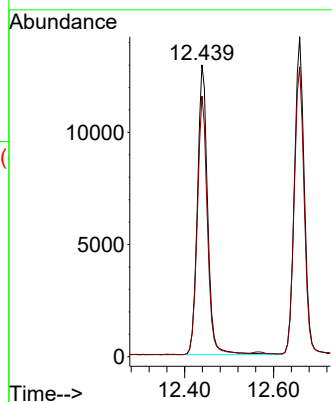
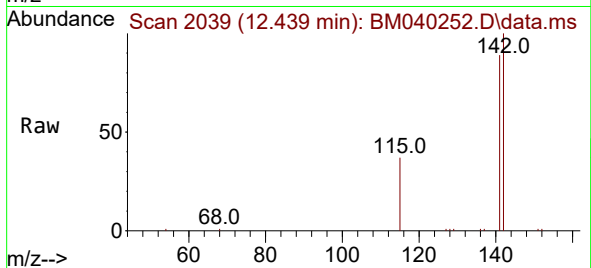




#7
2-Methylnaphthalene
Concen: 0.407 ng/ul
RT: 12.439 min Scan# 2039
Delta R.T. -0.005 min
Lab File: BM040252.D
Acq: 15 Jun 2023 08:35

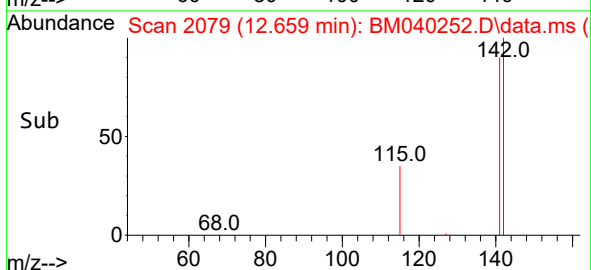
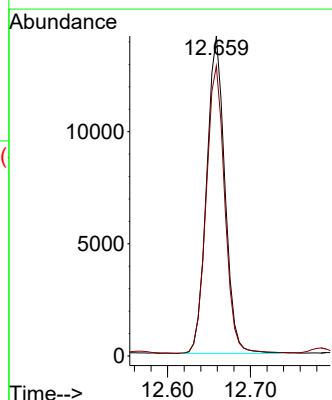
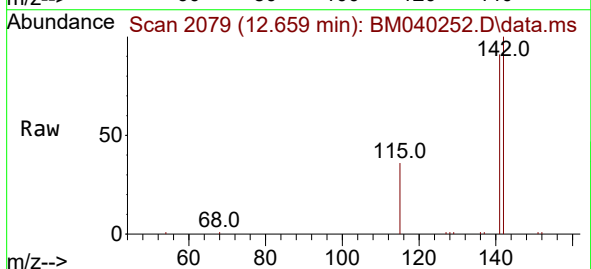
Instrument :
BNA_M
ClientSampleId :
SSTD0.4118

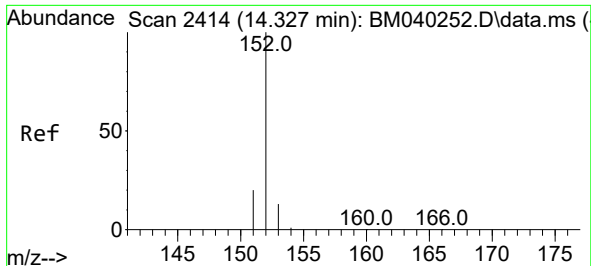
Tgt Ion:142 Resp: 20666
Ion Ratio Lower Upper
142 100
141 88.1 70.6 106.0



#8
1-Methylnaphthalene
Concen: 0.406 ng/ul
RT: 12.659 min Scan# 2079
Delta R.T. -0.005 min
Lab File: BM040252.D
Acq: 15 Jun 2023 08:35

Tgt Ion:142 Resp: 21598
Ion Ratio Lower Upper
142 100
141 92.3 73.0 109.4

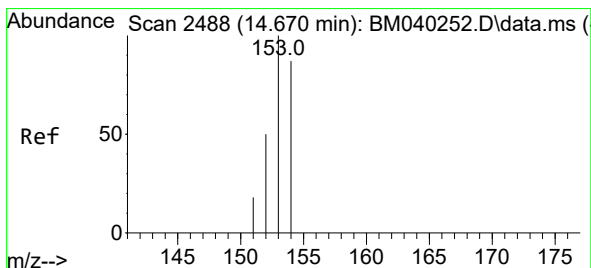
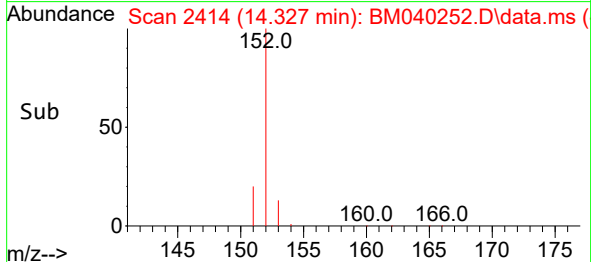
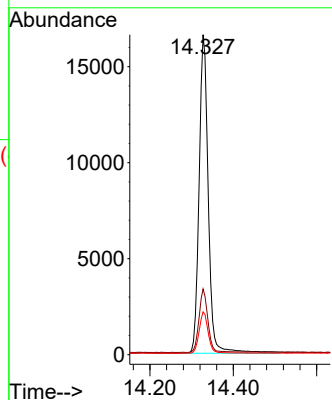
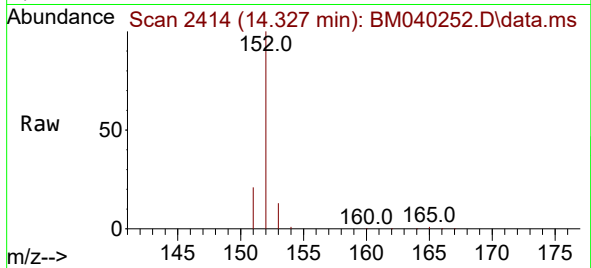




#10
Acenaphthylene
Concen: 0.407 ng/ul
RT: 14.327 min Scan# 2414
Delta R.T. -0.005 min
Lab File: BM040252.D
Acq: 15 Jun 2023 08:35

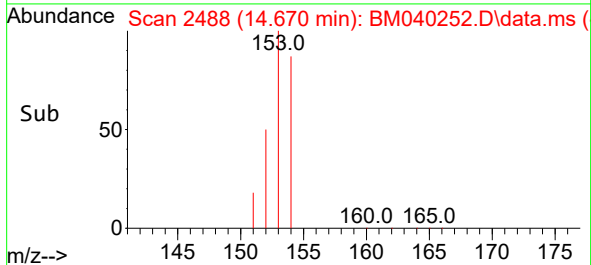
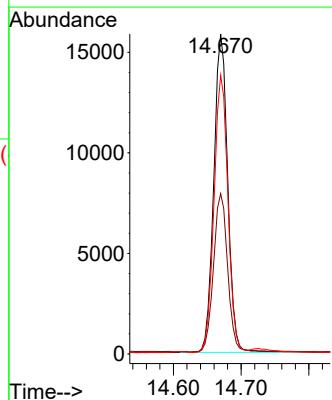
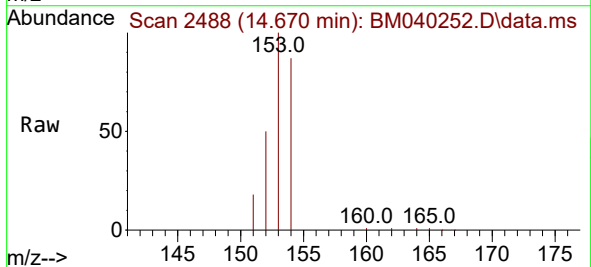
Instrument :
BNA_M
ClientSampleId :
SSTD0.4118

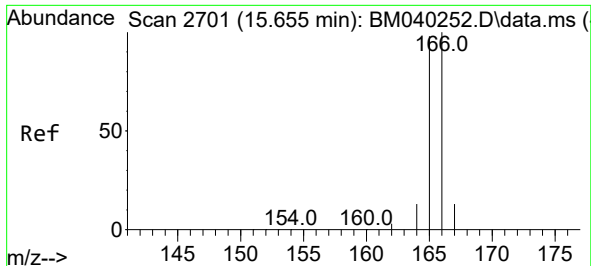
Tgt Ion:152 Resp: 25449
Ion Ratio Lower Upper
152 100
151 20.6 16.3 24.5
153 13.4 10.7 16.1



#11
Acenaphthene
Concen: 0.422 ng/ul
RT: 14.670 min Scan# 2488
Delta R.T. -0.005 min
Lab File: BM040252.D
Acq: 15 Jun 2023 08:35

Tgt Ion:153 Resp: 22635
Ion Ratio Lower Upper
153 100
152 50.1 40.3 60.5
154 87.1 70.5 105.7

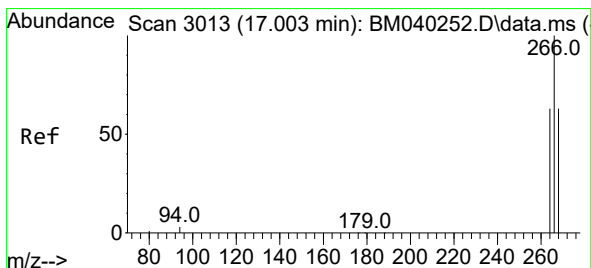
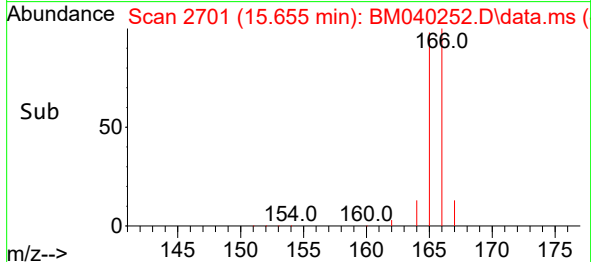
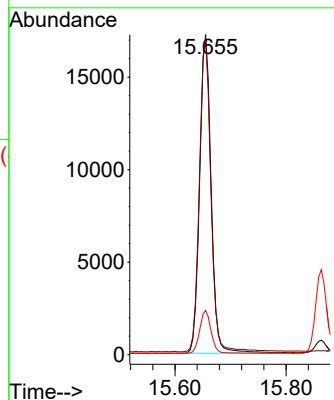
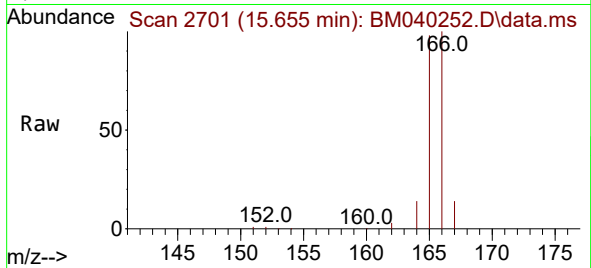




#12
 Fluorene
 Concen: 0.416 ng/ul
 RT: 15.655 min Scan# 2701
 Delta R.T. -0.005 min
 Lab File: BM040252.D
 Acq: 15 Jun 2023 08:35

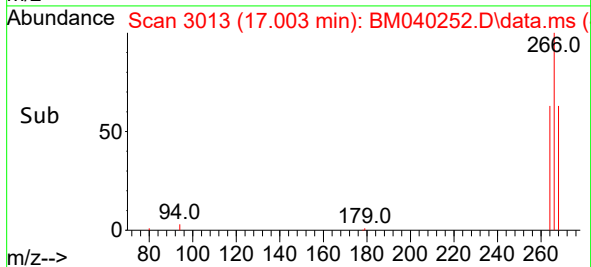
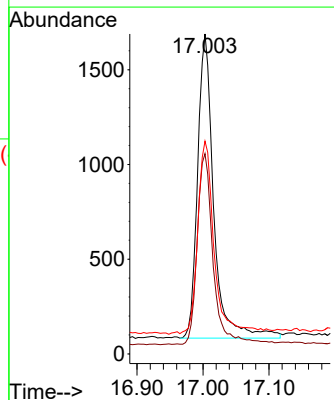
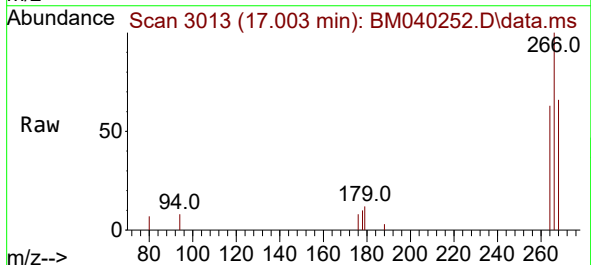
Instrument :
 BNA_M
 ClientSampleId :
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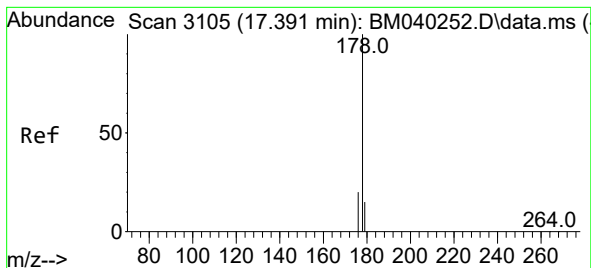
Tgt Ion:	166	Resp:	24851
Ion Ratio	Lower	Upper	
166	100		
165	98.3	78.2	117.4
167	13.8	11.0	16.4



#14
 Pentachlorophenol
 Concen: 0.378 ng/ul
 RT: 17.003 min Scan# 3013
 Delta R.T. -0.004 min
 Lab File: BM040252.D
 Acq: 15 Jun 2023 08:35

Tgt Ion:	266	Resp:	2733
Ion Ratio	Lower	Upper	
266	100		
264	61.9	49.4	74.0
268	64.8	51.3	76.9





#15

Phenanthrene

Concen: 0.410 ng/ul

RT: 17.391 min Scan# 3105

Delta R.T. -0.004 min

Lab File: BM040252.D

Acq: 15 Jun 2023 08:35

Instrument :

BNA_M

ClientSampleId :

SSTD0.4118

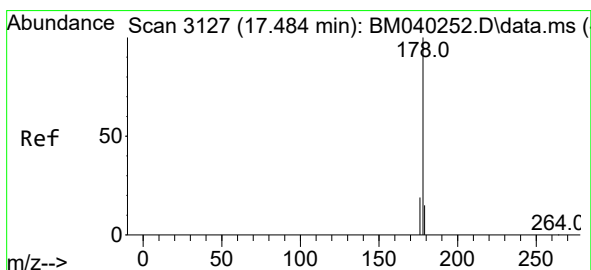
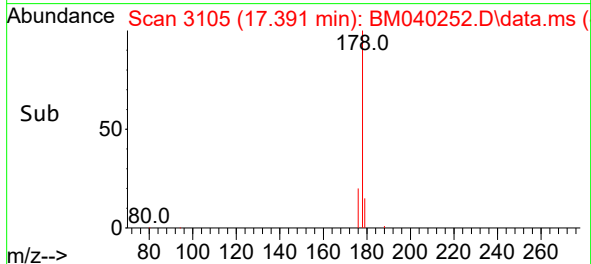
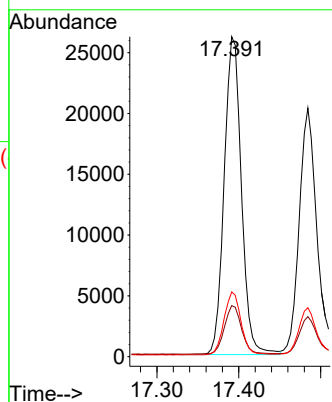
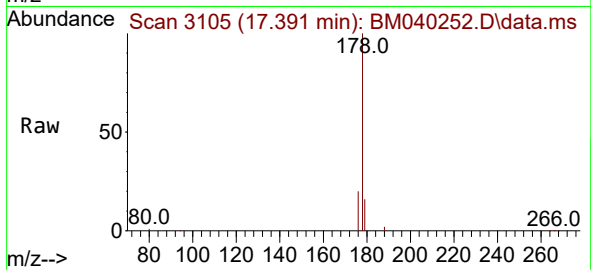
Tgt Ion:178 Resp: 38172

Ion Ratio Lower Upper

178 100

179 16.0 12.6 19.0

176 20.2 16.1 24.1



#16

Anthracene

Concen: 0.393 ng/ul

RT: 17.484 min Scan# 3127

Delta R.T. -0.004 min

Lab File: BM040252.D

Acq: 15 Jun 2023 08:35

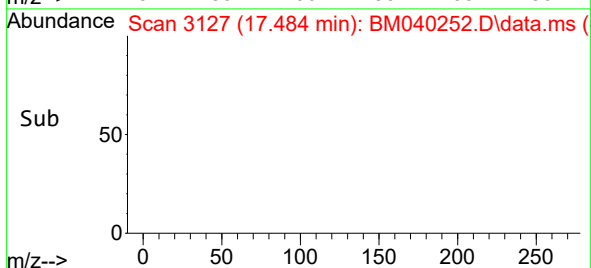
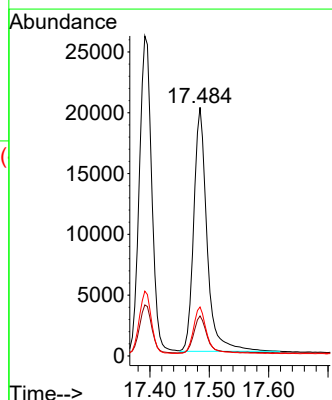
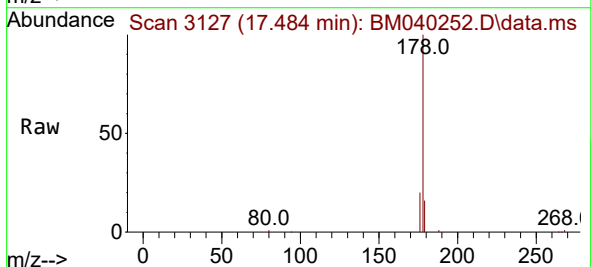
Tgt Ion:178 Resp: 31063

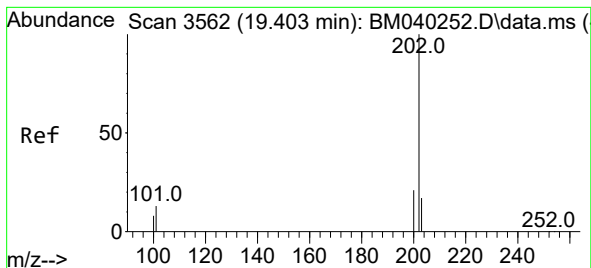
Ion Ratio Lower Upper

178 100

179 16.1 13.0 19.4

176 19.7 15.5 23.3





#19

Fluoranthene

Concen: 0.460 ng/ul

RT: 19.403 min Scan# 3562

Delta R.T. -0.005 min

Lab File: BM040252.D

Acq: 15 Jun 2023 08:35

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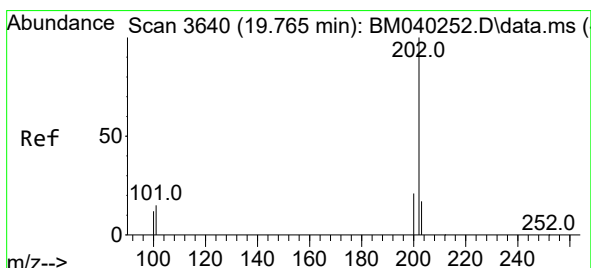
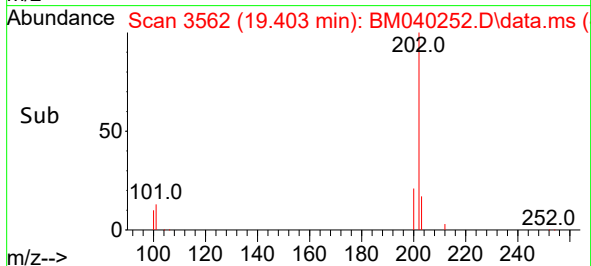
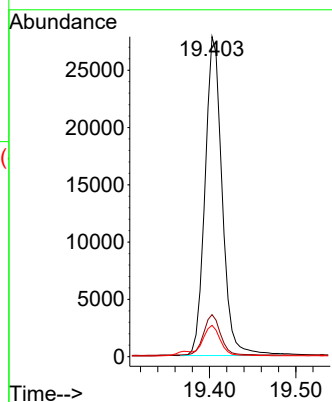
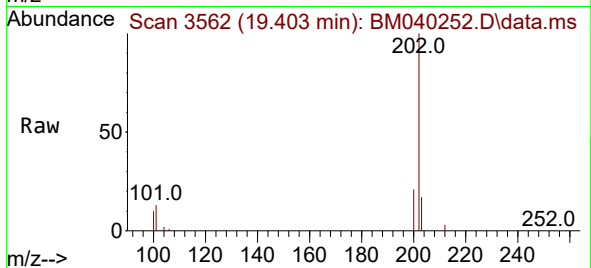
Tgt Ion:202 Resp: 38506

Ion Ratio Lower Upper

202 100

101 13.1 10.2 15.4

100 9.8 7.6 11.4



#20

Pyrene

Concen: 0.452 ng/ul

RT: 19.765 min Scan# 3640

Delta R.T. -0.005 min

Lab File: BM040252.D

Acq: 15 Jun 2023 08:35

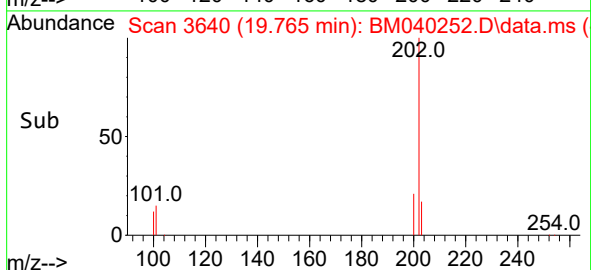
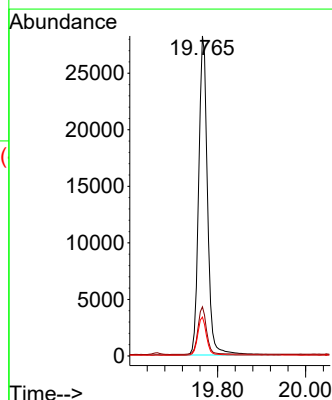
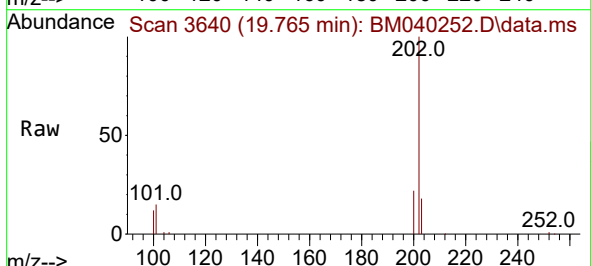
Tgt Ion:202 Resp: 39364

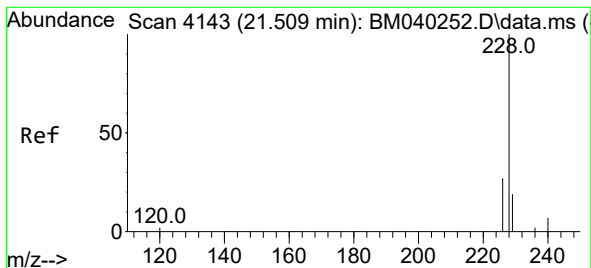
Ion Ratio Lower Upper

202 100

101 15.4 11.8 17.8

100 12.1 9.3 13.9





#21

Benzo(a)anthracene

Concen: 0.443 ng/ul

RT: 21.509 min Scan# 4143

Delta R.T. -0.006 min

Lab File: BM040252.D

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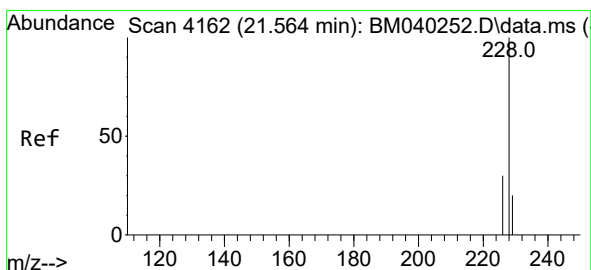
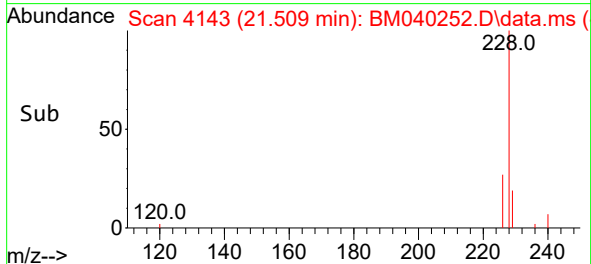
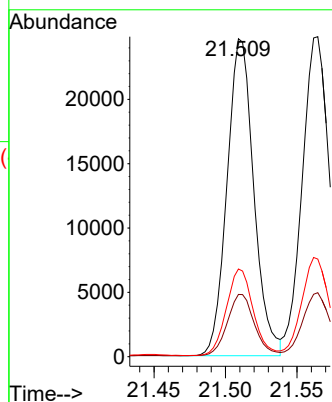
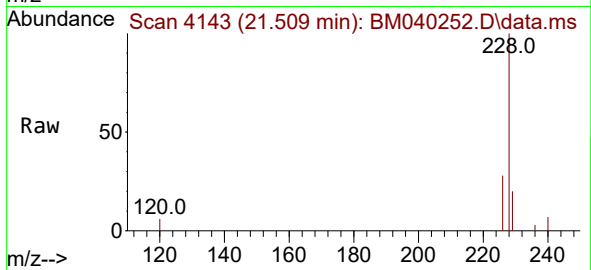
Tgt Ion:228 Resp: 32137

Ion Ratio Lower Upper

228 100

229 19.6 15.8 23.8

226 27.6 22.0 33.0



#22

Chrysene

Concen: 0.441 ng/ul

RT: 21.564 min Scan# 4162

Delta R.T. -0.006 min

Lab File: BM040252.D

Acq: 15 Jun 2023 08:35

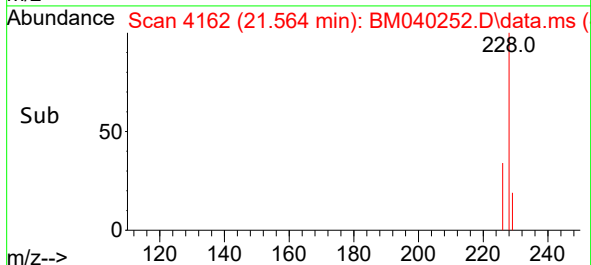
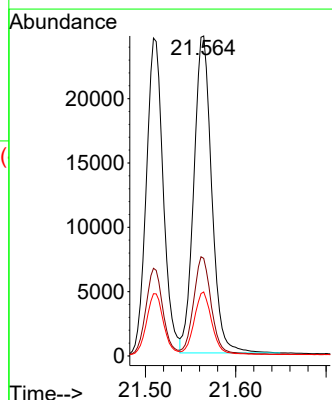
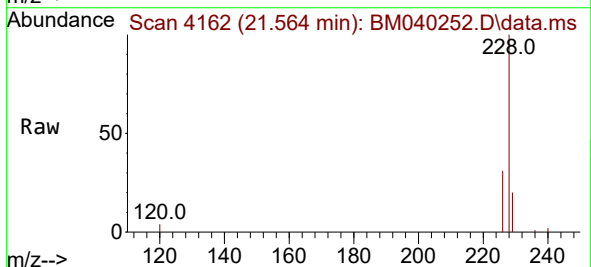
Tgt Ion:228 Resp: 33819

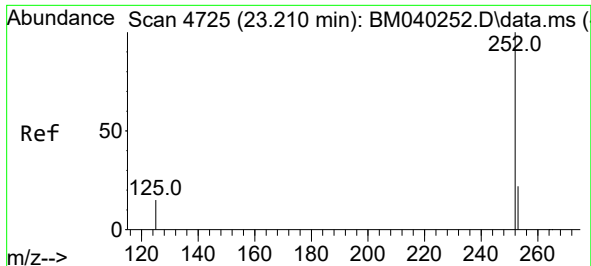
Ion Ratio Lower Upper

228 100

226 30.5 24.3 36.5

229 20.0 15.7 23.5

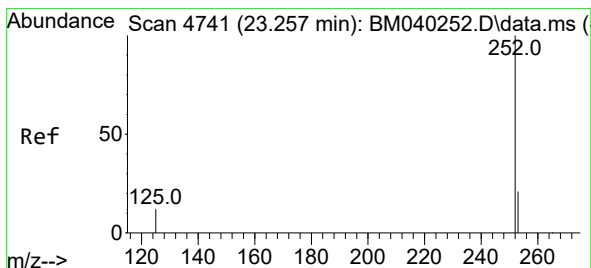
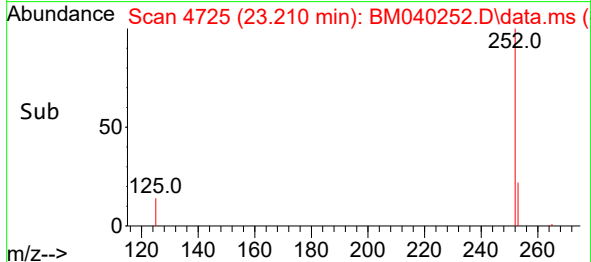
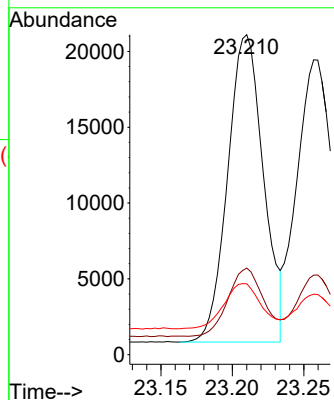
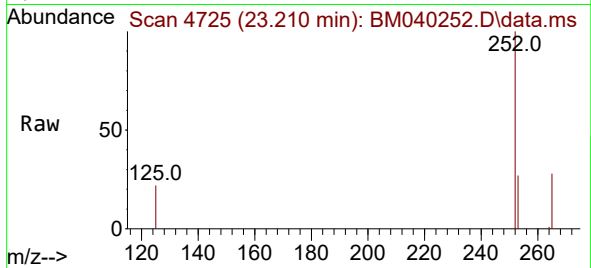




#24
Benzo(b)fluoranthene
Concen: 0.410 ng/ul
RT: 23.210 min Scan# 4725
Delta R.T. -0.006 min
Lab File: BM040252.D
Acq: 15 Jun 2023 08:35

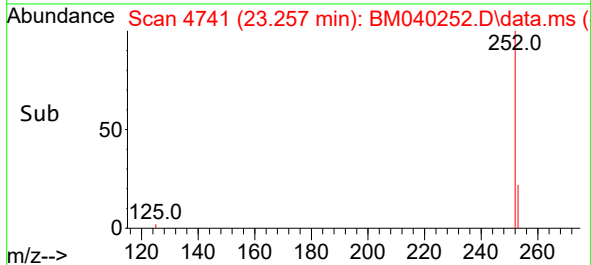
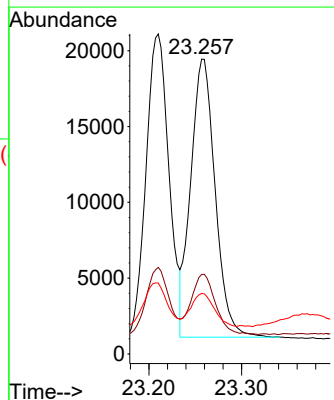
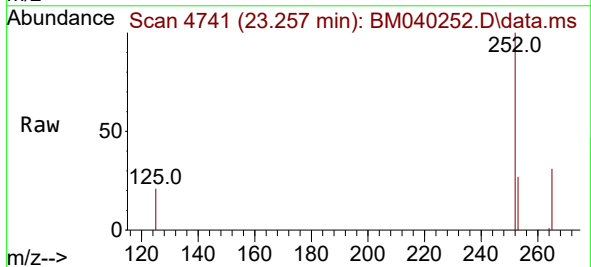
Instrument :
BNA_M
ClientSampleId :
SSTD0.4118

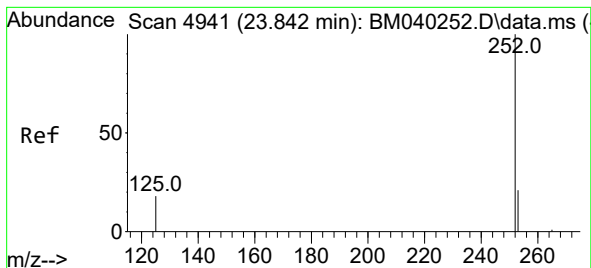
Tgt Ion:252 Resp: 35323
Ion Ratio Lower Upper
252 100
253 27.1 0.0 52.4
125 22.2 0.0 38.4



#25
Benzo(k)fluoranthene
Concen: 0.414 ng/ul
RT: 23.257 min Scan# 4741
Delta R.T. -0.009 min
Lab File: BM040252.D
Acq: 15 Jun 2023 08:35

Tgt Ion:252 Resp: 33658
Ion Ratio Lower Upper
252 100
253 27.0 21.5 32.3
125 20.5 14.7 22.1





#26

Benzo(a)pyrene

Concen: 0.403 ng/ul

RT: 23.842 min Scan# 4941

Delta R.T. -0.009 min

Lab File: BM040252.D

Acq: 15 Jun 2023 08:35

Instrument :

BNA_M

ClientSampleId :

SSTD0.4118

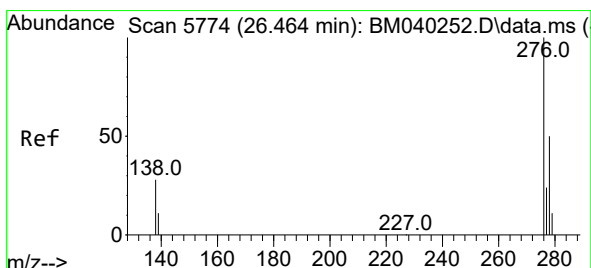
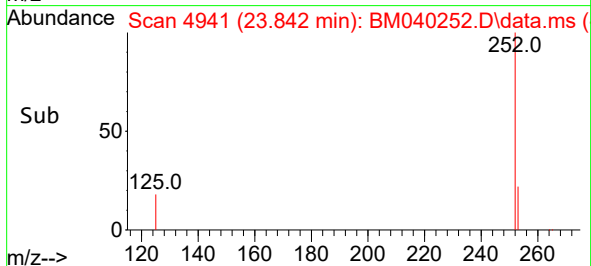
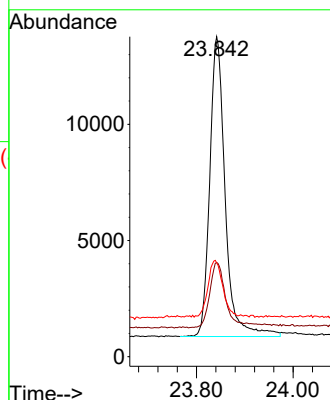
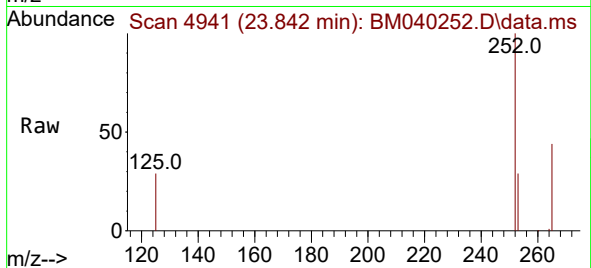
Tgt Ion:252 Resp: 28547

Ion Ratio Lower Upper

252 100

253 29.4 23.4 35.0

125 29.3 19.7 29.5



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.384 ng/ul

RT: 26.464 min Scan# 5774

Delta R.T. -0.013 min

Lab File: BM040252.D

Acq: 15 Jun 2023 08:35

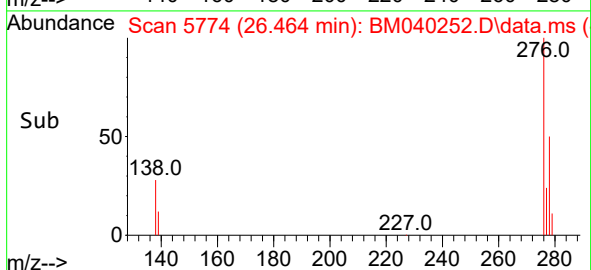
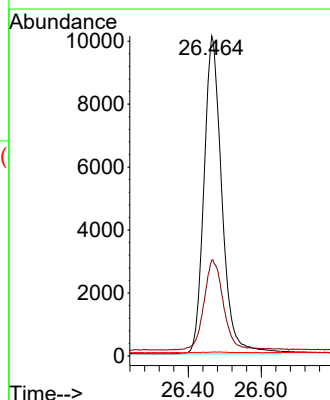
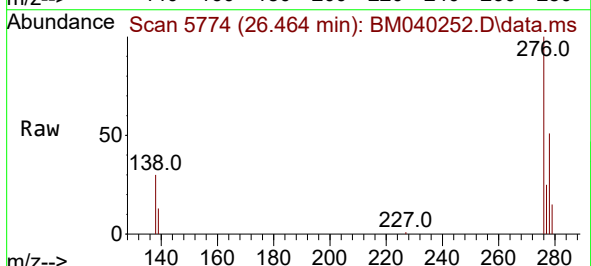
Tgt Ion:276 Resp: 34425

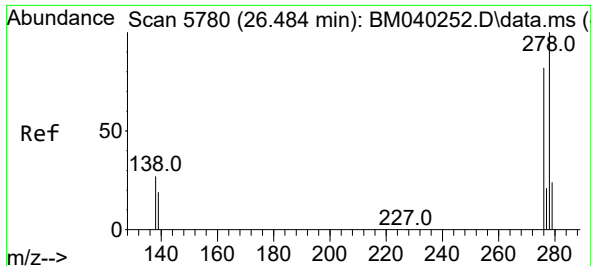
Ion Ratio Lower Upper

276 100

138 30.7 23.3 34.9

227 0.1 0.1 0.1#

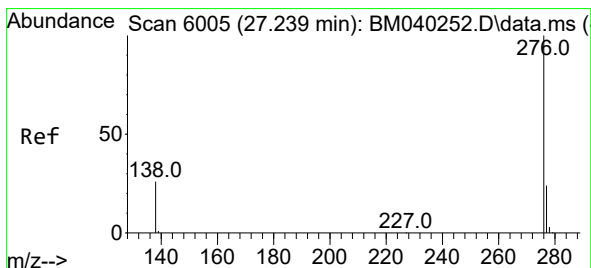
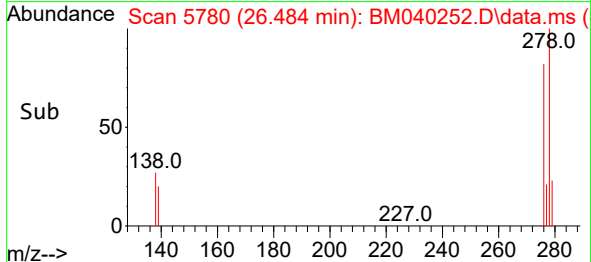
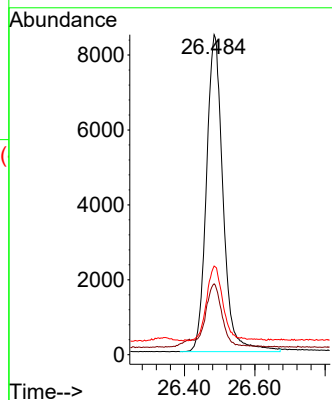
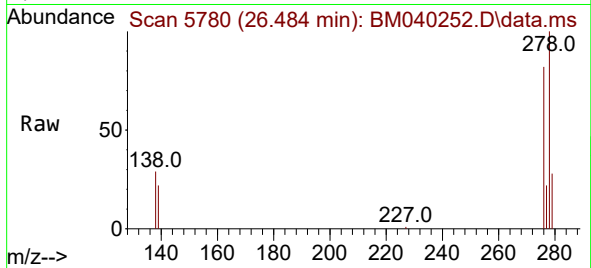




#28
Dibenzo(a,h)anthracene
Concen: 0.386 ng/ul
RT: 26.484 min Scan# 5780
Delta R.T. -0.013 min
Lab File: BM040252.D
Acq: 15 Jun 2023 08:35

Instrument :
BNA_M
ClientSampleId :
SSTD0.4118

Tgt Ion:278 Resp: 27743
Ion Ratio Lower Upper
278 100
139 22.2 16.4 24.6
279 27.7 21.8 32.8



#29
Benzo(g,h,i)perylene
Concen: 0.385 ng/ul
RT: 27.239 min Scan# 6005
Delta R.T. -0.017 min
Lab File: BM040252.D
Acq: 15 Jun 2023 08:35

Tgt Ion:276 Resp: 28799
Ion Ratio Lower Upper
276 100
138 28.3 21.0 31.4
277 24.8 19.6 29.4

