

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082823\
 Data File : BM041560.D
 Acq On : 29 Aug 2023 15:15
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4061

Quant Time: Aug 29 23:48:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM082823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 28 15:20:06 2023
 Response via : Initial Calibration

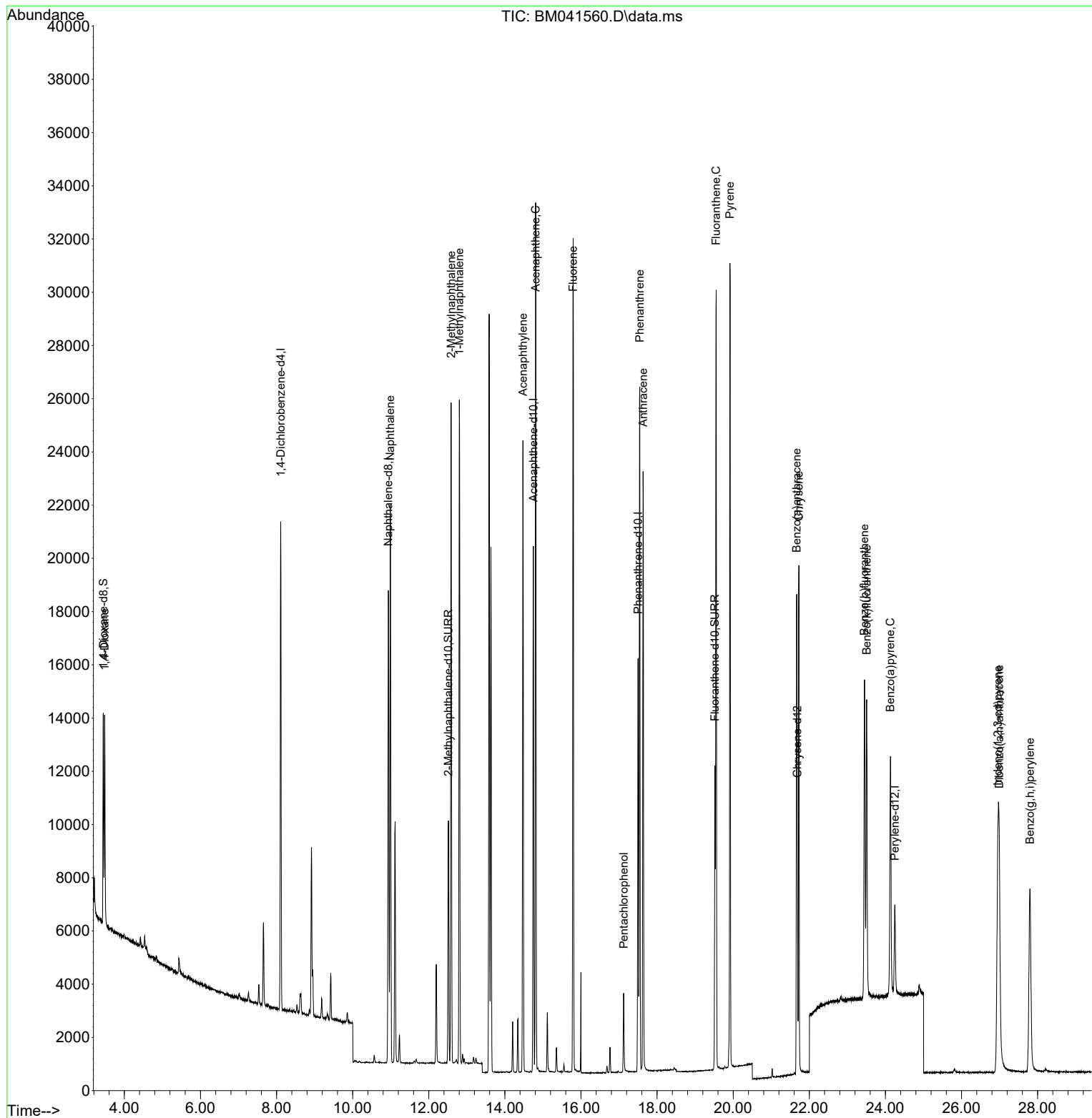
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.110	152	9064	0.400	ng/ul	0.00
4) Naphthalene-d8	10.939	136	22706	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.749	164	9712	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.502	188	16306	0.400	ng/ul	0.00
17) Chrysene-d12	21.685	240	4531	0.400	ng/ul	# 0.00
23) Perylene-d12	24.246	264	4896	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.448	96	4713	0.418	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.517	152	11068	0.369	ng/ul	0.00
18) Fluoranthene-d10	19.520	212	9283	0.501	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.482	88	4899	0.419	ng/ul	88
5) Naphthalene	10.988	128	27877	0.384	ng/ul	99
7) 2-Methylnaphthalene	12.588	142	16642	0.378	ng/ul	99
8) 1-Methylnaphthalene	12.803	142	16679	0.375	ng/ul	99
10) Acenaphthylene	14.476	152	25756	0.402	ng/ul	99
11) Acenaphthene	14.809	153	17925	0.398	ng/ul	98
12) Fluorene	15.795	166	19133	0.394	ng/ul	99
14) Pentachlorophenol	17.122	266	2032	0.303	ng/ul	100
15) Phenanthrene	17.544	178	26773	0.400	ng/ul	100
16) Anthracene	17.633	178	23572	0.384	ng/ul	99
19) Fluoranthene	19.552	202	24312	0.579	ng/ul	100
20) Pyrene	19.915	202	23877	0.562	ng/ul	95
21) Benzo(a)anthracene	21.667	228	15371	0.476	ng/ul	100
22) Chrysene	21.726	228	16239	0.508	ng/ul	99
24) Benzo(b)fluoranthene	23.450	252	17086	0.549	ng/ul	97
25) Benzo(k)fluoranthene	23.506	252	16047	0.527	ng/ul	97
26) Benzo(a)pyrene	24.132	252	14991	0.533	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.954	276	19877	0.526	ng/ul#	97
28) Dibenzo(a,h)anthracene	26.991	278	13432	0.494	ng/ul	97
29) Benzo(g,h,i)perylene	27.796	276	16574	0.523	ng/ul	98

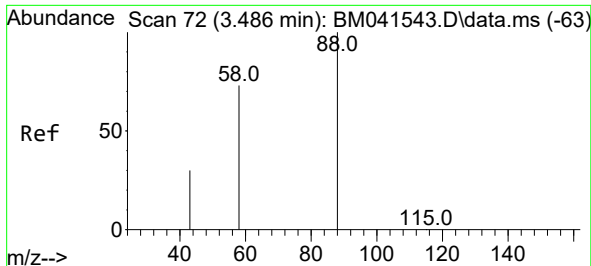
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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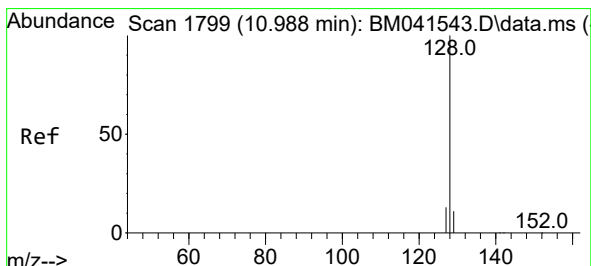
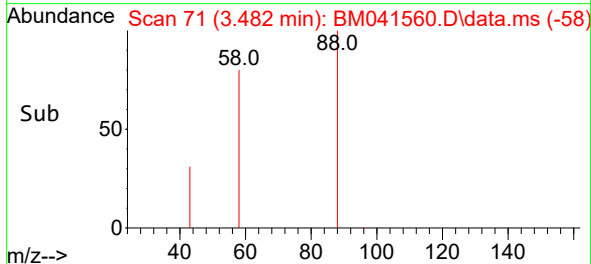
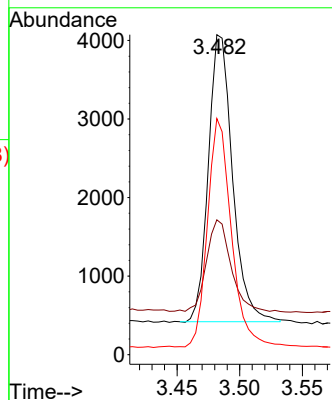
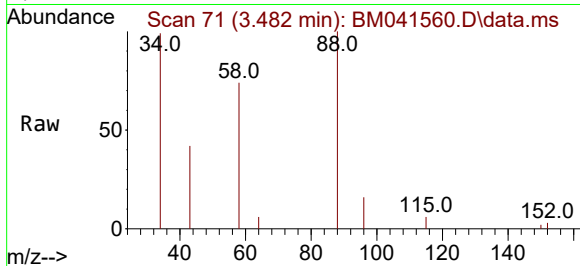




#2
1,4-Dioxane
Concen: 0.419 ng/ul
RT: 3.482 min Scan# 71
Delta R.T. -0.004 min
Lab File: BM041560.D
Acq: 29 Aug 2023 15:15

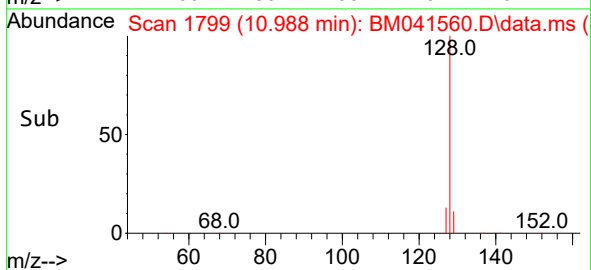
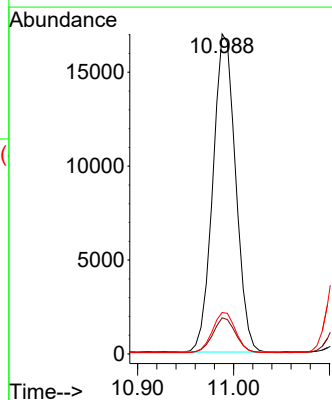
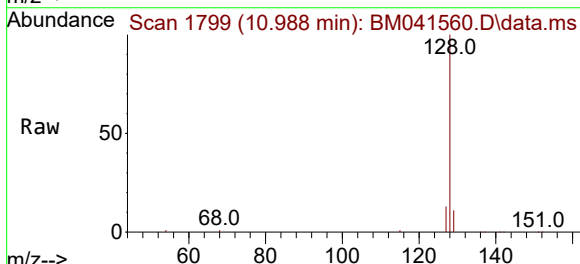
Instrument :
BNA_M
ClientSampleId :
SSTD0.4061

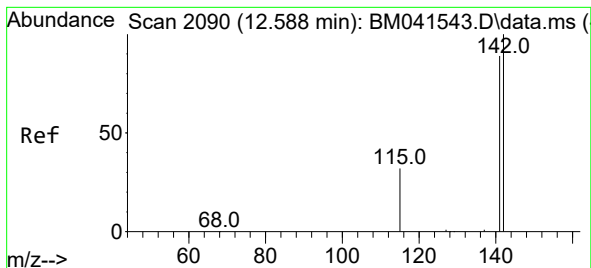
Tgt Ion: 88 Resp: 4899
Ion Ratio Lower Upper
88 100
43 42.1 30.6 46.0
58 73.8 49.3 73.9



#5
Naphthalene
Concen: 0.384 ng/ul
RT: 10.988 min Scan# 1799
Delta R.T. -0.006 min
Lab File: BM041560.D
Acq: 29 Aug 2023 15:15

Tgt Ion: 128 Resp: 27877
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 12.9 10.6 15.8

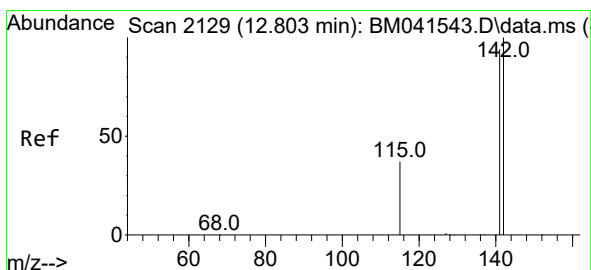
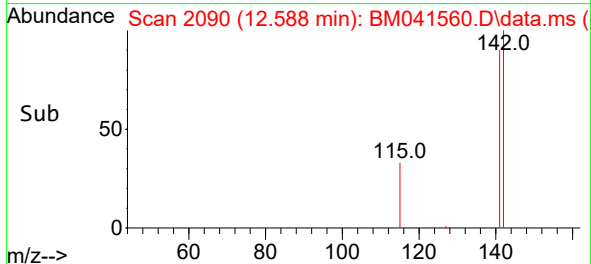
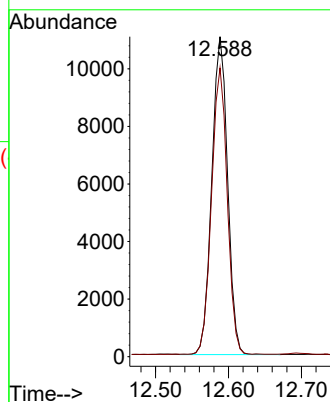
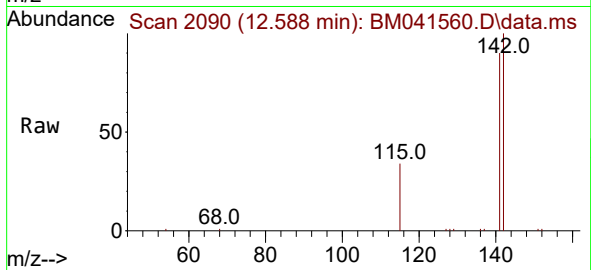




#7
2-Methylnaphthalene
Concen: 0.378 ng/ul
RT: 12.588 min Scan# 2090
Delta R.T. -0.005 min
Lab File: BM041560.D
Acq: 29 Aug 2023 15:15

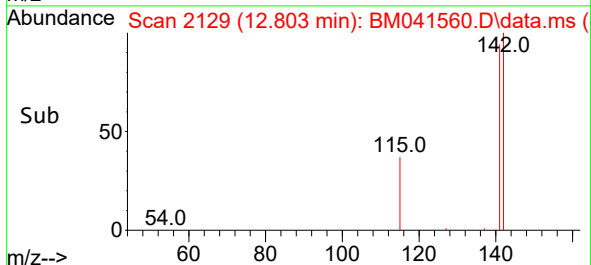
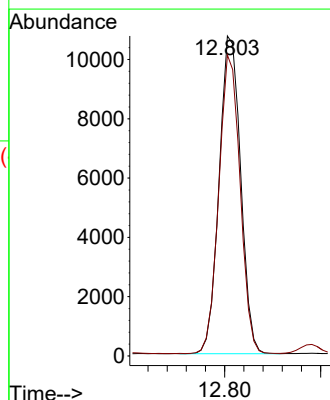
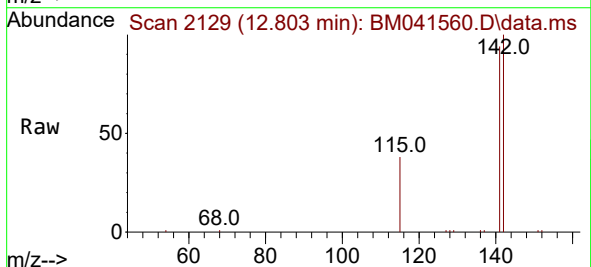
Instrument :
BNA_M
ClientSampleId :
SSTD0.4061

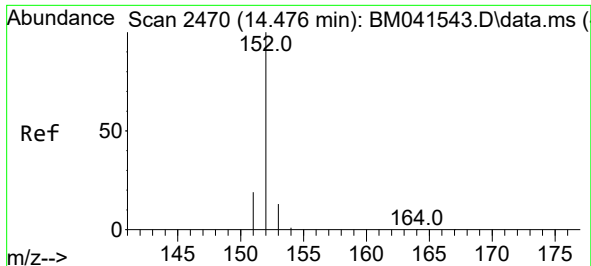
Tgt Ion:142 Resp: 16642
Ion Ratio Lower Upper
142 100
141 89.6 71.0 106.6



#8
1-Methylnaphthalene
Concen: 0.375 ng/ul
RT: 12.803 min Scan# 2129
Delta R.T. -0.005 min
Lab File: BM041560.D
Acq: 29 Aug 2023 15:15

Tgt Ion:142 Resp: 16679
Ion Ratio Lower Upper
142 100
141 93.0 73.9 110.9

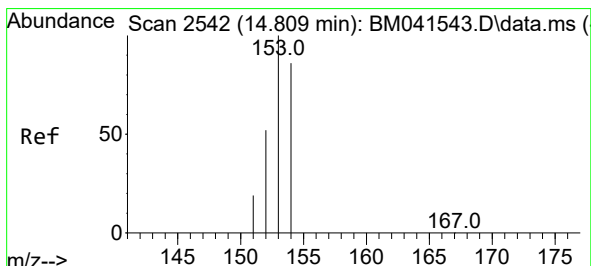
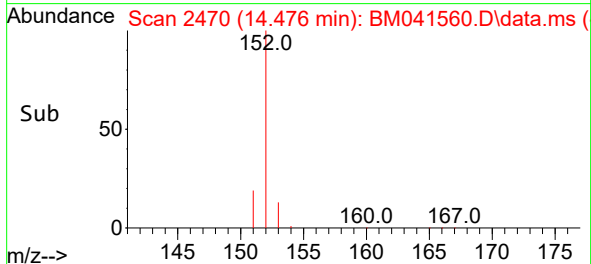
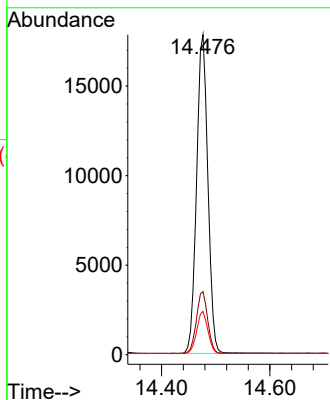
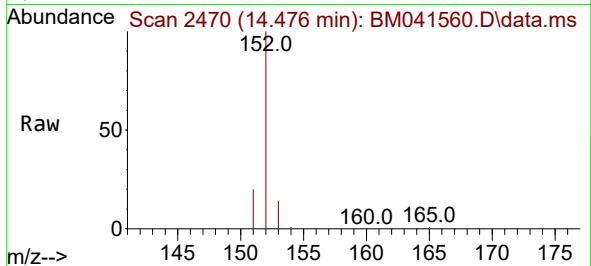




#10
Acenaphthylene
Concen: 0.402 ng/ul
RT: 14.476 min Scan# 2470
Delta R.T. -0.005 min
Lab File: BM041560.D
Acq: 29 Aug 2023 15:15

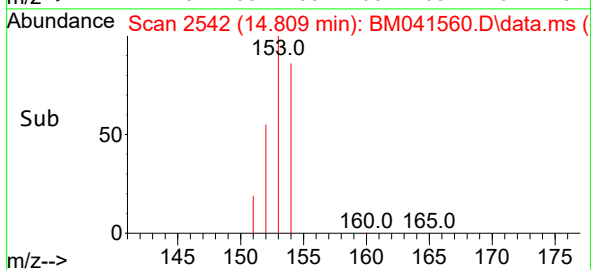
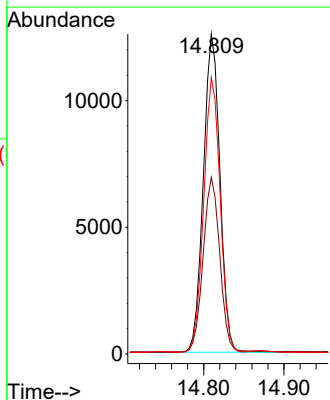
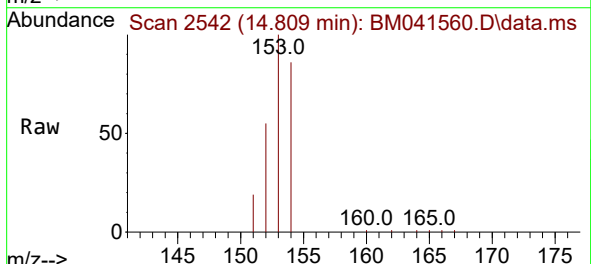
Instrument :
BNA_M
ClientSampleId :
SSTD0.4061

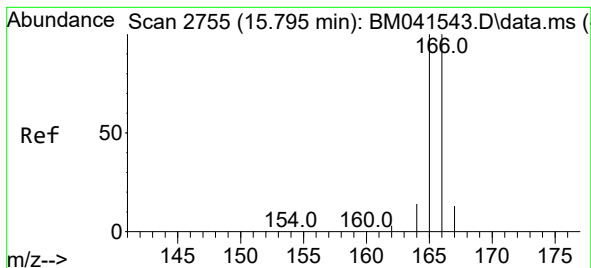
Tgt Ion:152	Resp:	25756
Ion Ratio	Lower	Upper
152	100	
151	19.7	15.7 23.5
153	13.5	10.5 15.7



#11
Acenaphthene
Concen: 0.398 ng/ul
RT: 14.809 min Scan# 2542
Delta R.T. -0.005 min
Lab File: BM041560.D
Acq: 29 Aug 2023 15:15

Tgt Ion:153	Resp:	17925
Ion Ratio	Lower	Upper
153	100	
152	55.2	41.1 61.7
154	86.3	69.4 104.0





#12

Fluorene

Concen: 0.394 ng/ul

RT: 15.795 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM041560.D

Acq: 29 Aug 2023 15:15

Instrument :

BNA_M

ClientSampleId :

SSTD0.4061

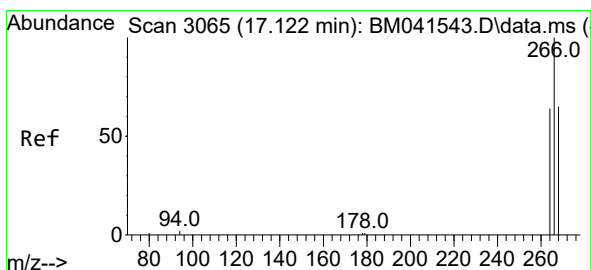
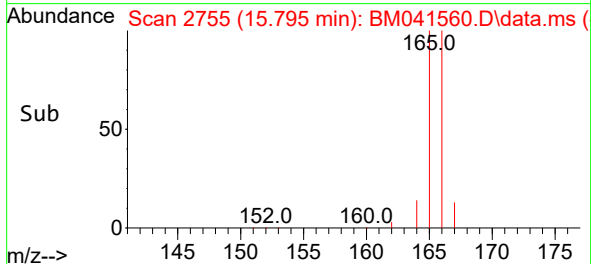
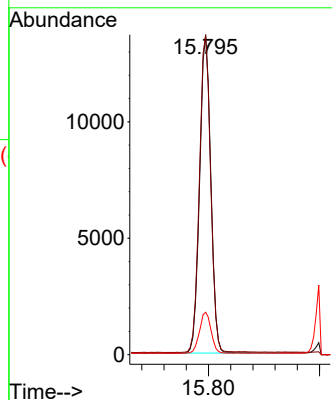
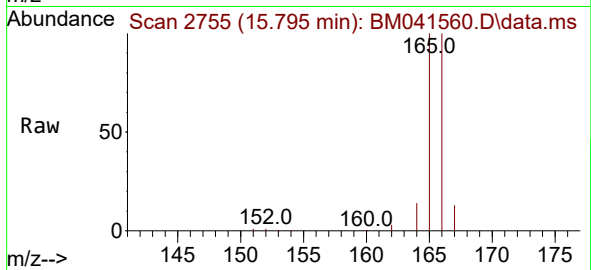
Tgt Ion:166 Resp: 19133

Ion Ratio Lower Upper

166 100

165 99.9 79.2 118.8

167 13.3 10.8 16.2



#14

Pentachlorophenol

Concen: 0.303 ng/ul

RT: 17.122 min Scan# 3065

Delta R.T. -0.004 min

Lab File: BM041560.D

Acq: 29 Aug 2023 15:15

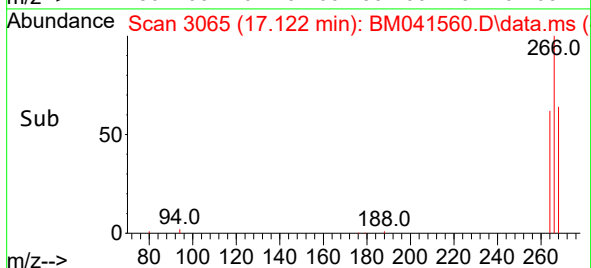
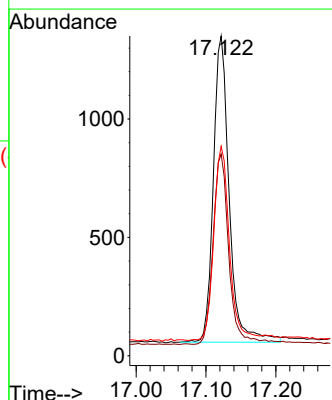
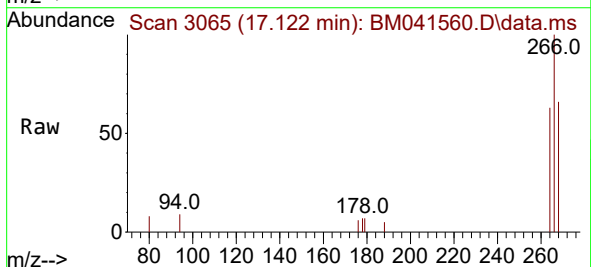
Tgt Ion:266 Resp: 2032

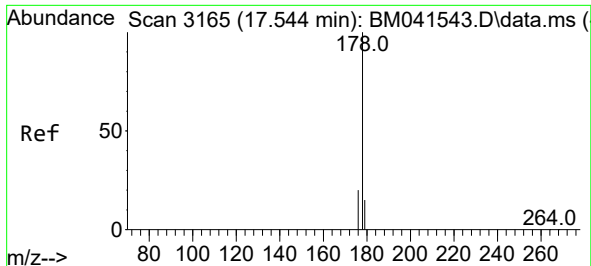
Ion Ratio Lower Upper

266 100

264 62.3 50.0 75.0

268 64.3 51.4 77.0

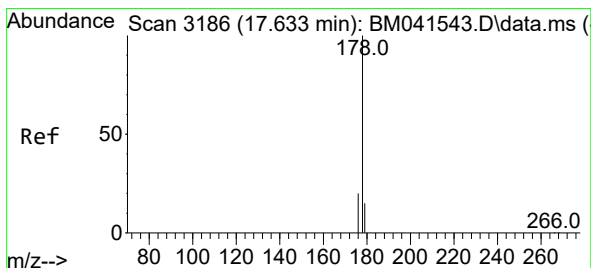
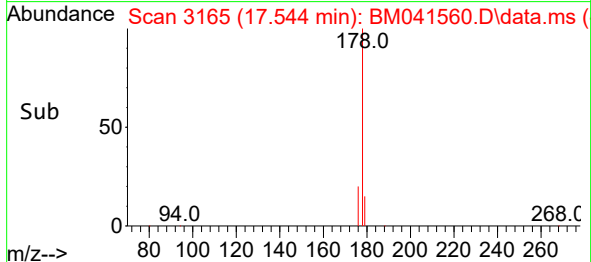
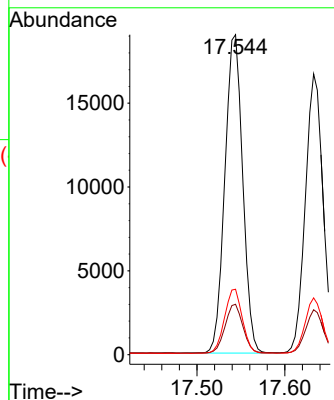
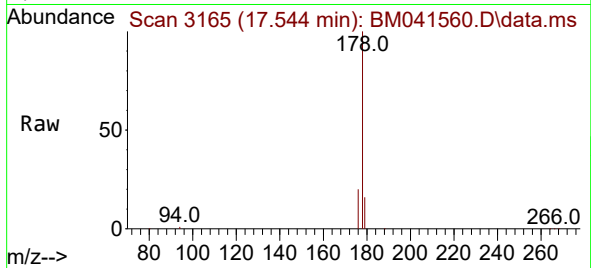




#15
Phenanthrene
Concen: 0.400 ng/u1
RT: 17.544 min Scan# 3165
Delta R.T. 0.000 min
Lab File: BM041560.D
Acq: 29 Aug 2023 15:15

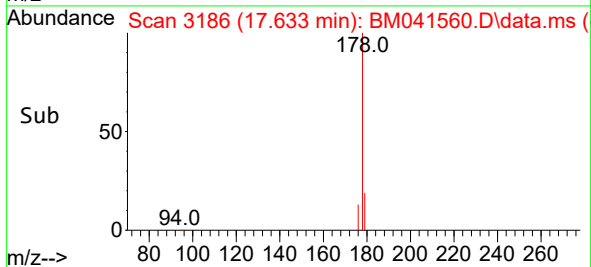
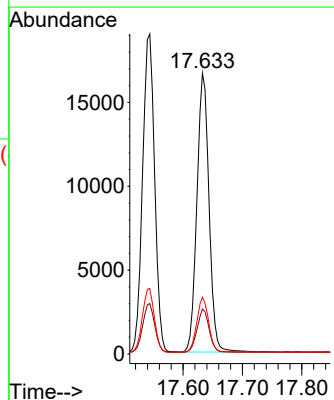
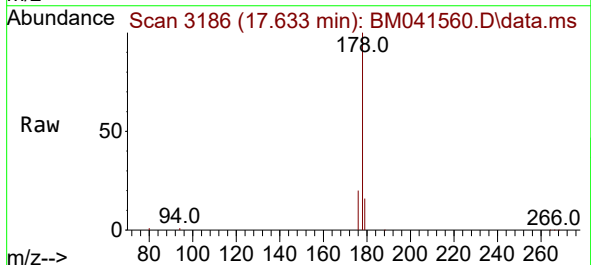
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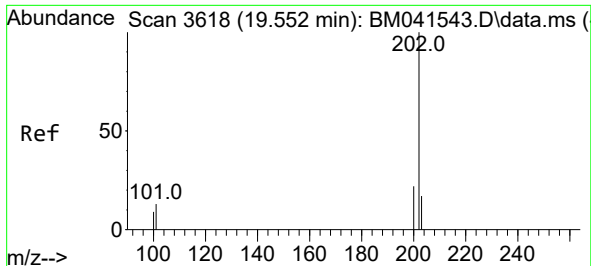
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	18.8
176	20.4	16.3	24.5



#16
Anthracene
Concen: 0.384 ng/u1
RT: 17.633 min Scan# 3186
Delta R.T. -0.004 min
Lab File: BM041560.D
Acq: 29 Aug 2023 15:15

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.6	19.0
176	20.2	15.9	23.9

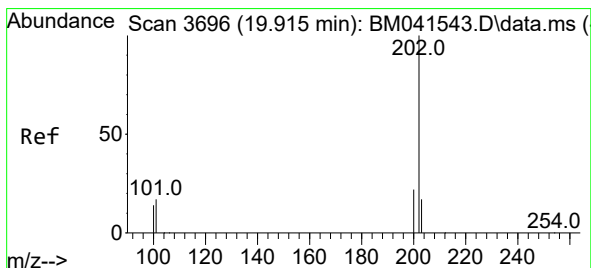
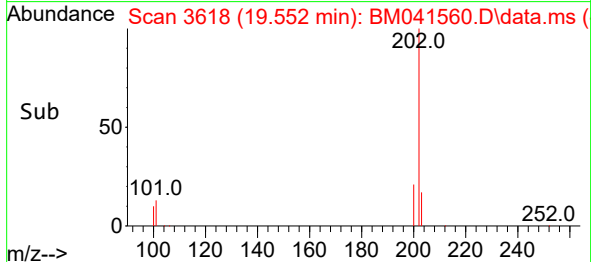
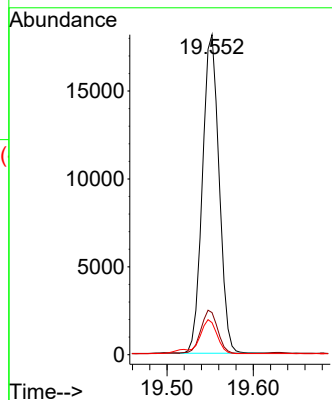
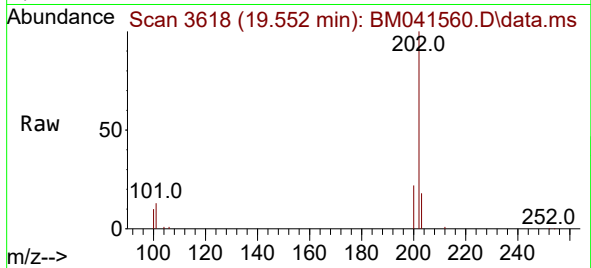




#19
Fluoranthene
Concen: 0.579 ng/ul
RT: 19.552 min Scan# 3618
Delta R.T. -0.005 min
Lab File: BM041560.D
Acq: 29 Aug 2023 15:15

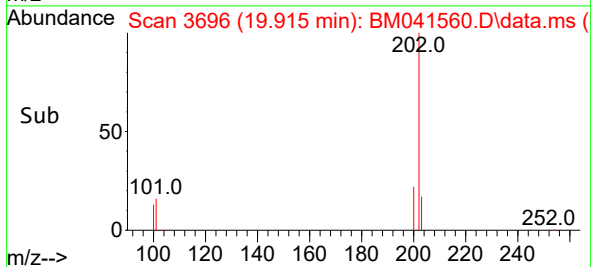
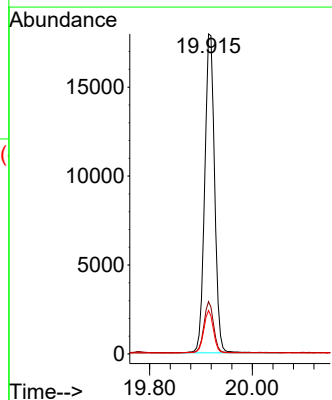
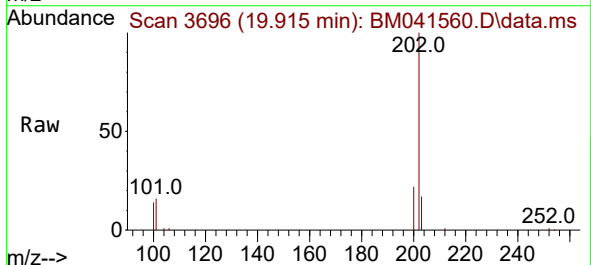
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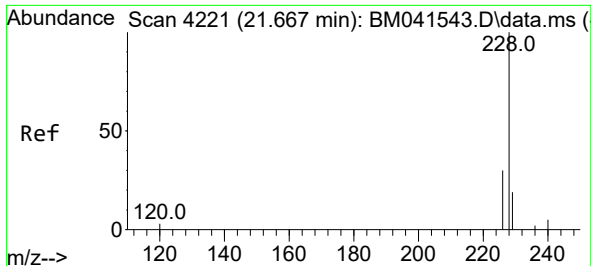
Tgt Ion:202 Resp: 24312
Ion Ratio Lower Upper
202 100
101 13.2 10.5 15.7
100 10.0 7.8 11.6



#20
Pyrene
Concen: 0.562 ng/ul
RT: 19.915 min Scan# 3696
Delta R.T. -0.009 min
Lab File: BM041560.D
Acq: 29 Aug 2023 15:15

Tgt Ion:202 Resp: 23877
Ion Ratio Lower Upper
202 100
101 16.4 11.6 17.4
100 13.5 9.1 13.7

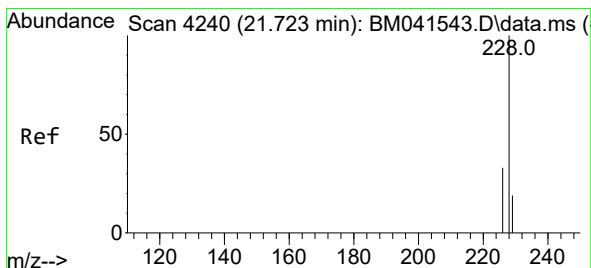
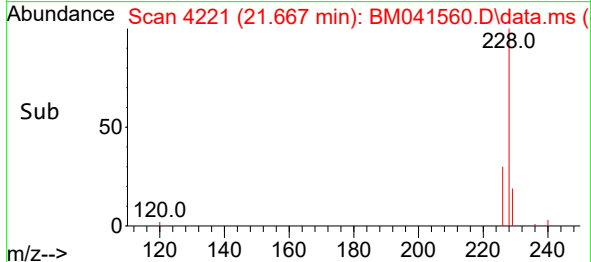
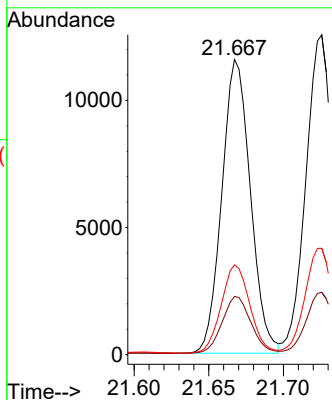
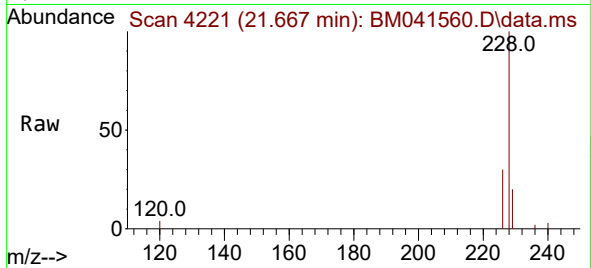




#21
Benzo(a)anthracene
Concen: 0.476 ng/ul
RT: 21.667 min Scan# 41
Delta R.T. -0.009 min
Lab File: BM041560.D
Acq: 29 Aug 2023 15:15

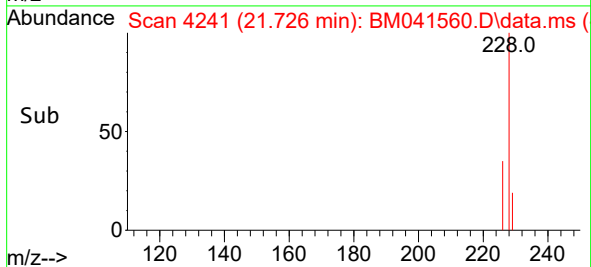
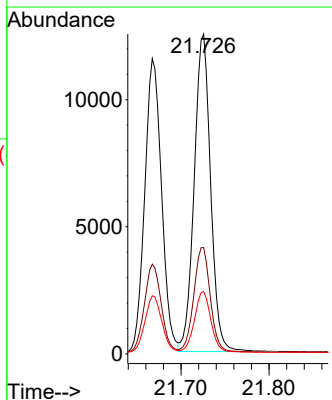
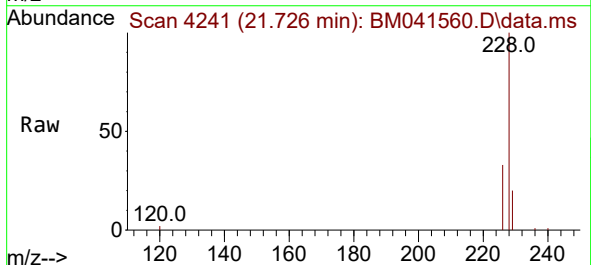
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SSTD0.4061

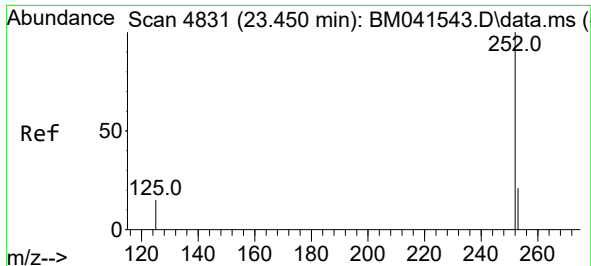
Tgt Ion:228	Resp:	15371
Ion Ratio	Lower	Upper
228	100	
229	19.7	15.8 23.6
226	30.4	24.0 36.0



#22
Chrysene
Concen: 0.508 ng/ul
RT: 21.726 min Scan# 4241
Delta R.T. -0.006 min
Lab File: BM041560.D
Acq: 29 Aug 2023 15:15

Tgt Ion:228	Resp:	16239
Ion Ratio	Lower	Upper
228	100	
226	33.3	26.3 39.5
229	19.5	15.4 23.2

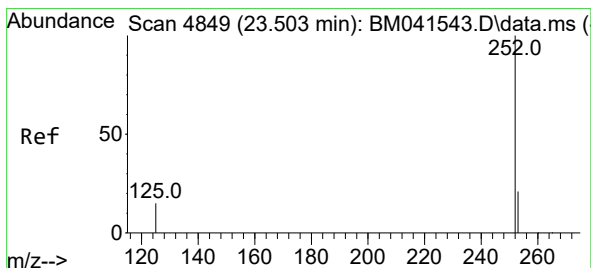
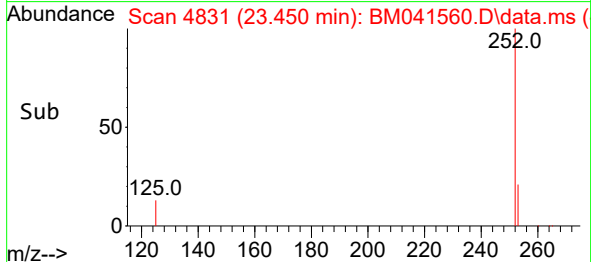
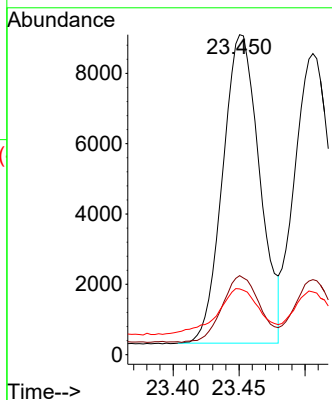
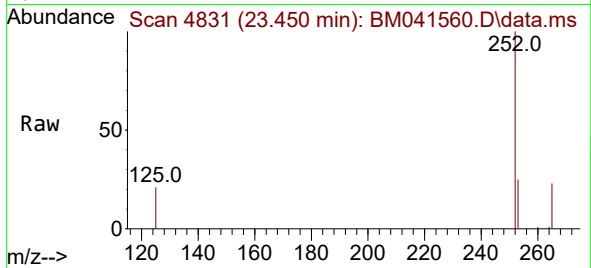




#24
Benzo(b)fluoranthene
Concen: 0.549 ng/ul
RT: 23.450 min Scan# 4831
Delta R.T. -0.012 min
Lab File: BM041560.D
Acq: 29 Aug 2023 15:15

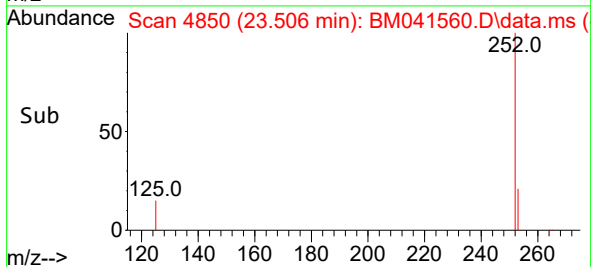
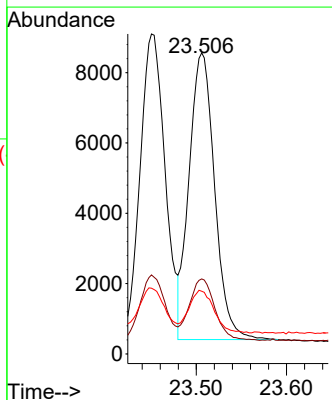
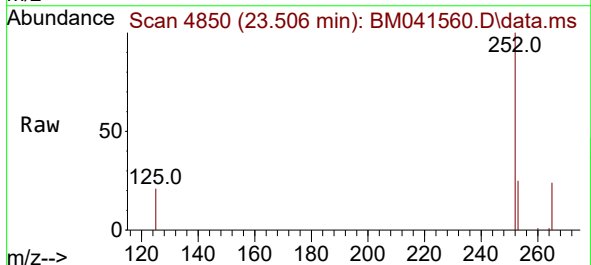
Instrument :
BNA_M
ClientSampleId :
SSTD0.4061

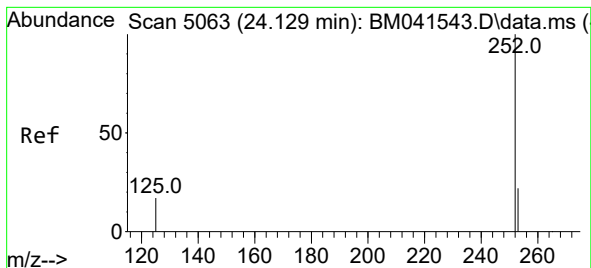
Tgt Ion:252 Resp: 17086
Ion Ratio Lower Upper
252 100
253 24.7 0.0 47.0
125 20.6 0.0 37.2



#25
Benzo(k)fluoranthene
Concen: 0.527 ng/ul
RT: 23.506 min Scan# 4850
Delta R.T. -0.012 min
Lab File: BM041560.D
Acq: 29 Aug 2023 15:15

Tgt Ion:252 Resp: 16047
Ion Ratio Lower Upper
252 100
253 24.9 19.3 28.9
125 20.9 15.0 22.4





#26

Benzo(a)pyrene

Concen: 0.533 ng/ul

RT: 24.132 min Scan# 5063

Delta R.T. -0.012 min

Lab File: BM041560.D

Acq: 29 Aug 2023 15:15

Instrument :

BNA_M

ClientSampleId :

SSTD0.4061

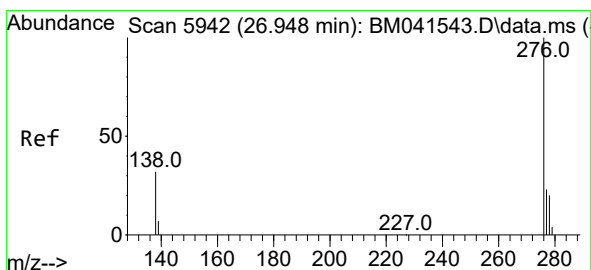
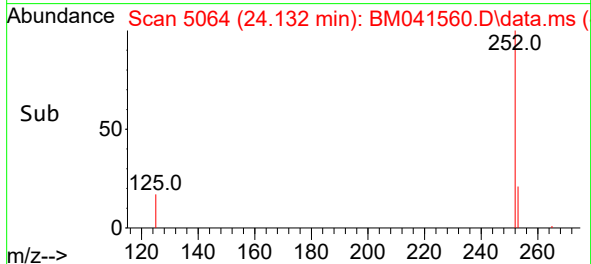
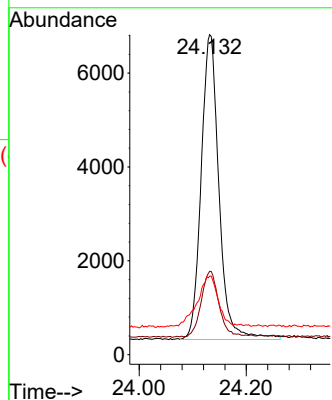
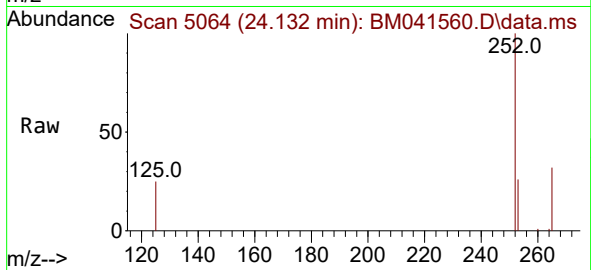
Tgt Ion:252 Resp: 14991

Ion Ratio Lower Upper

252 100

253 26.1 20.0 30.0

125 24.5 17.1 25.7



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.526 ng/ul

RT: 26.954 min Scan# 5944

Delta R.T. -0.017 min

Lab File: BM041560.D

Acq: 29 Aug 2023 15:15

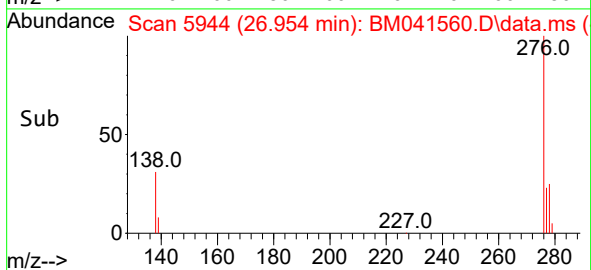
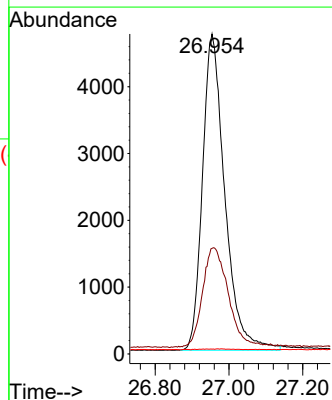
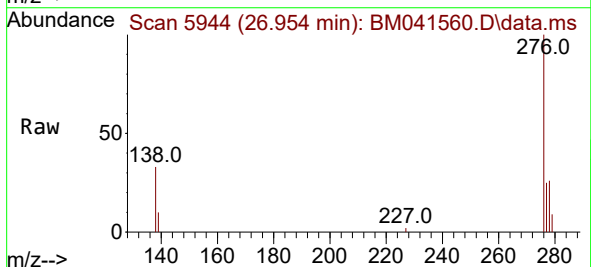
Tgt Ion:276 Resp: 19877

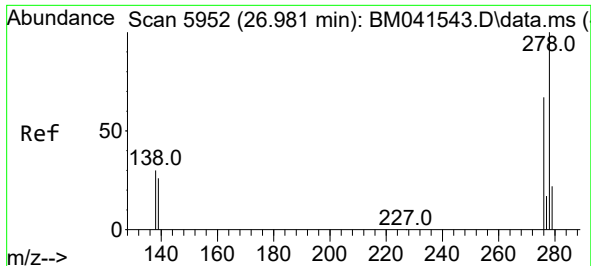
Ion Ratio Lower Upper

276 100

138 36.1 27.3 40.9

227 0.1 0.0 0.0#

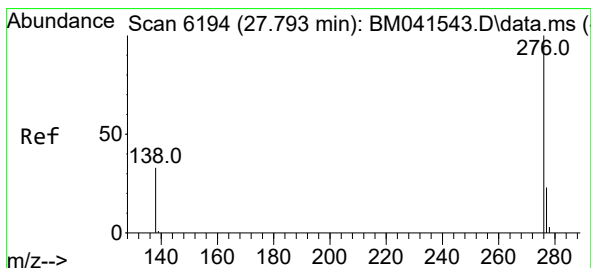
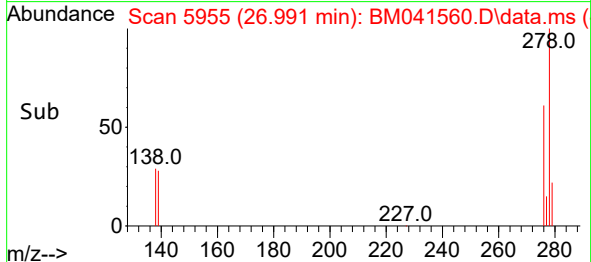
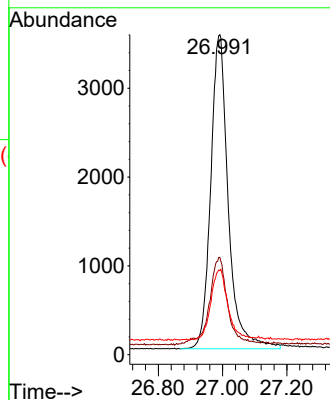
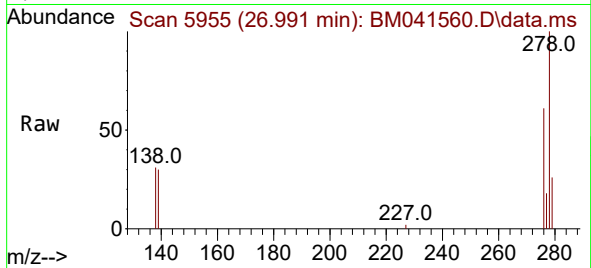




#28
 Dibenzo(a,h)anthracene
 Concen: 0.494 ng/ul
 RT: 26.991 min Scan# 5955
 Delta R.T. -0.017 min
 Lab File: BM041560.D
 Acq: 29 Aug 2023 15:15

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4061

Tgt Ion:278 Resp: 13432
 Ion Ratio Lower Upper
 278 100
 139 30.4 22.2 33.2
 279 26.3 20.4 30.6



#29
 Benzo(g,h,i)perylene
 Concen: 0.523 ng/ul
 RT: 27.796 min Scan# 6195
 Delta R.T. -0.020 min
 Lab File: BM041560.D
 Acq: 29 Aug 2023 15:15

Tgt Ion:276 Resp: 16574
 Ion Ratio Lower Upper
 276 100
 138 33.6 25.9 38.9
 277 25.1 19.1 28.7

