

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112823\
 Data File : BM043083.D
 Acq On : 28 Nov 2023 21:58
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4142

Quant Time: Nov 28 23:40:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 27 02:36:19 2023
 Response via : Initial Calibration

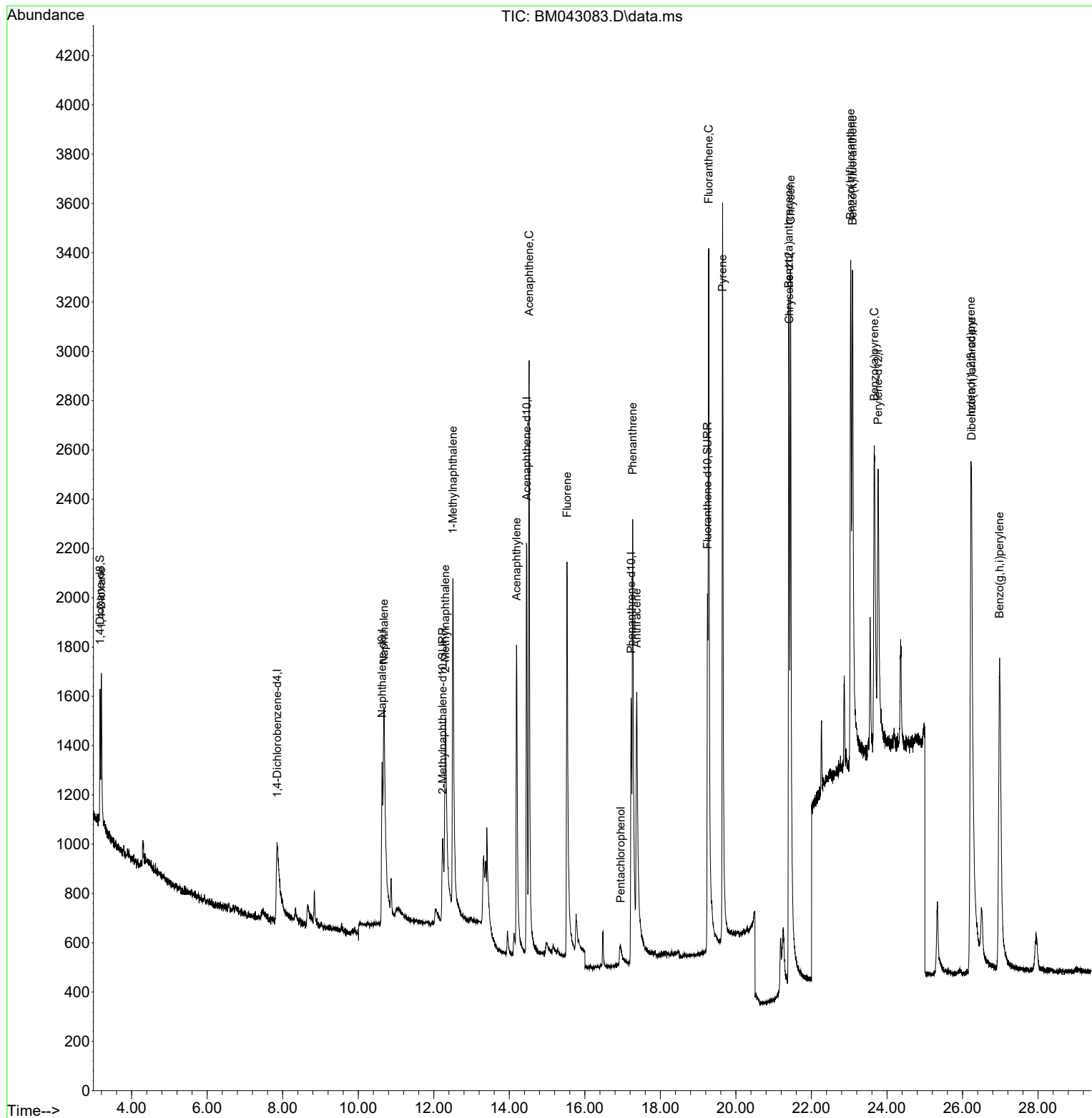
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	687	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.633	136	2134	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.459	164	1179	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.224	188	2516	0.400	ng/ul	-0.01
17) Chrysene-d12	21.409	240	1711	0.400	ng/ul	-0.01
23) Perylene-d12	23.765	264	2144	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.164	96	470	0.446	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.233	152	1158	0.406	ng/ul	-0.02
18) Fluoranthene-d10	19.247	212	2446	0.392	ng/ul	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.198	88	468	0.413	ng/ul	94
5) Naphthalene	10.682	128	2346	0.404	ng/ul	99
7) 2-Methylnaphthalene	12.305	142	1344	0.393	ng/ul	98
8) 1-Methylnaphthalene	12.508	142	1489	0.390	ng/ul	99
10) Acenaphthylene	14.191	152	2421	0.402	ng/ul	99
11) Acenaphthene	14.524	153	1849	0.406	ng/ul	99
12) Fluorene	15.528	166	1936	0.414	ng/ul	97
14) Pentachlorophenol	16.950	266	182	0.267	ng/ul#	19
15) Phenanthrene	17.267	178	2853	0.397	ng/ul	98
16) Anthracene	17.372	178	2790	0.410	ng/ul	99
19) Fluoranthene	19.280	202	3745	0.386	ng/ul	99
20) Pyrene	19.647	202	3920	0.380	ng/ul	99
21) Benzo(a)anthracene	21.397	228	2705	0.487	ng/ul	98
22) Chrysene	21.447	228	4042	0.391	ng/ul	99
24) Benzo(b)fluoranthene	23.037	252	3396	0.469	ng/ul	96
25) Benzo(k)fluoranthene	23.087	252	4150	0.416	ng/ul	98
26) Benzo(a)pyrene	23.666	252	3234	0.410	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.225	276	4490	0.420	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.239	278	3491	0.422	ng/ul	91
29) Benzo(g,h,i)perylene	26.980	276	4135	0.398	ng/ul	99

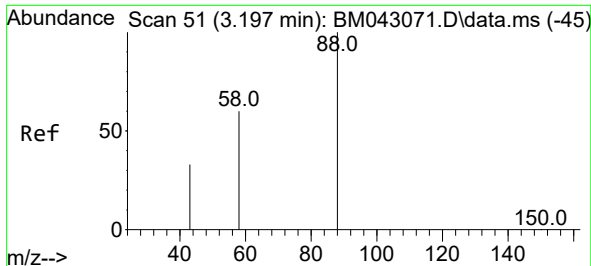
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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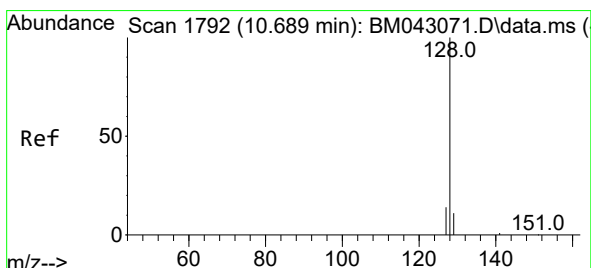
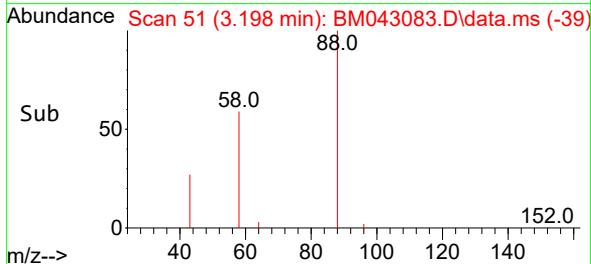
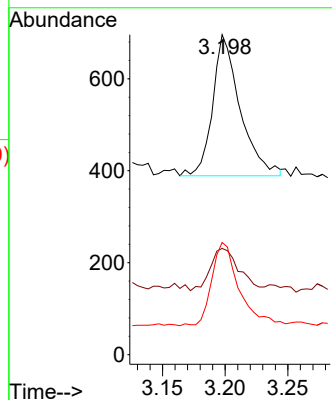
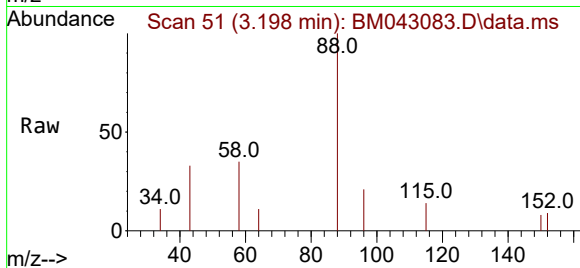




#2
1,4-Dioxane
Concen: 0.413 ng/ul
RT: 3.198 min Scan# 51
Delta R.T. -0.008 min
Lab File: BM043083.D
Acq: 28 Nov 2023 21:58

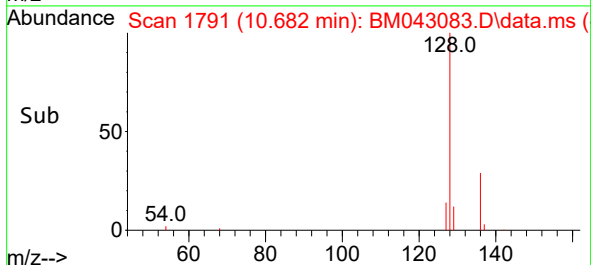
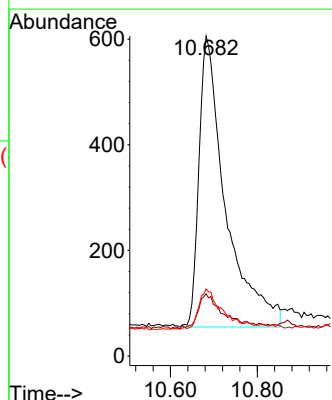
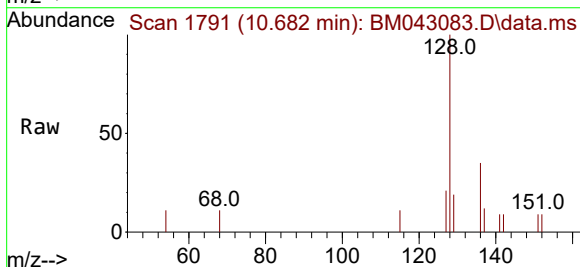
Instrument :
BNA_M
ClientSampleId :
SSTD0.4142

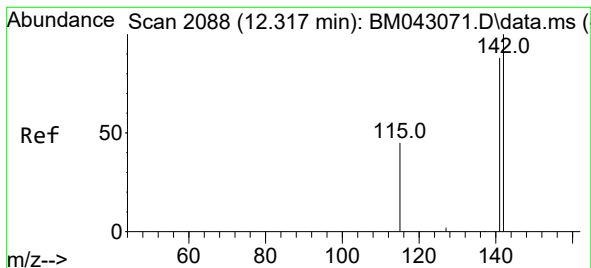
Tgt Ion: 88 Resp: 468
Ion Ratio Lower Upper
88 100
43 33.2 22.8 34.2
58 35.1 26.8 40.2



#5
Naphthalene
Concen: 0.404 ng/ul
RT: 10.682 min Scan# 1791
Delta R.T. -0.016 min
Lab File: BM043083.D
Acq: 28 Nov 2023 21:58

Tgt Ion: 128 Resp: 2346
Ion Ratio Lower Upper
128 100
129 19.5 16.0 24.0
127 21.0 16.5 24.7

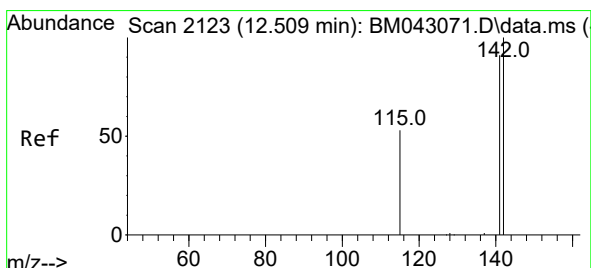
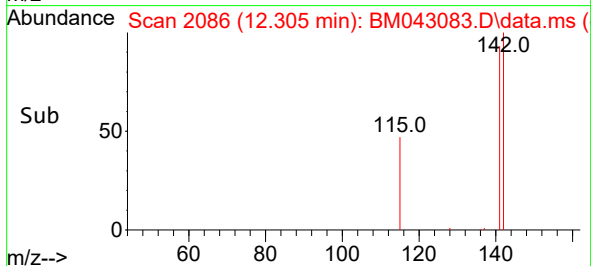
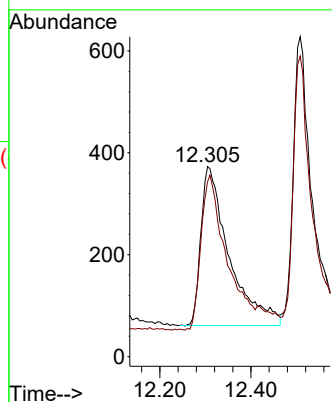
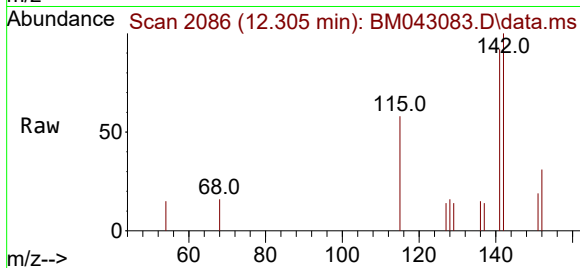




#7
2-Methylnaphthalene
Concen: 0.393 ng/ul
RT: 12.305 min Scan# 2086
Delta R.T. -0.027 min
Lab File: BM043083.D
Acq: 28 Nov 2023 21:58

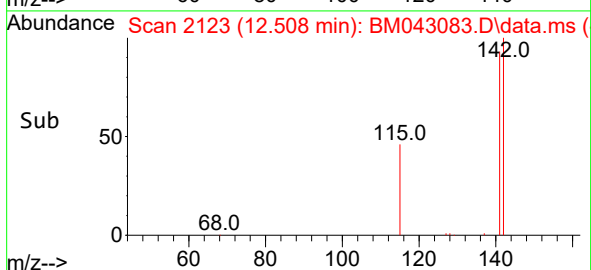
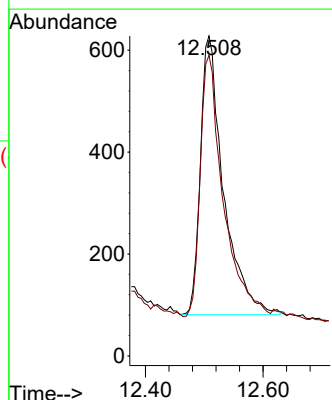
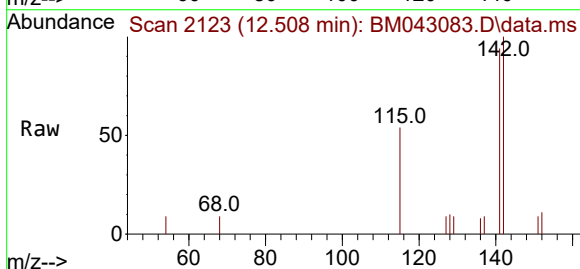
Instrument :
BNA_M
ClientSampleId :
SSTD0.4142

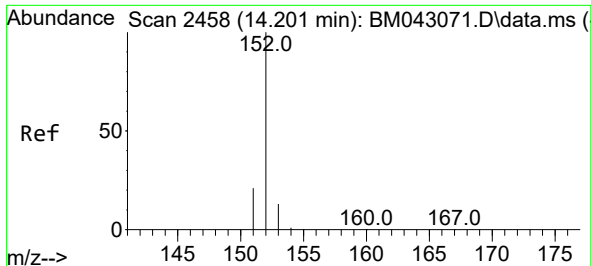
Tgt Ion:142 Resp: 1344
Ion Ratio Lower Upper
142 100
141 97.2 76.1 114.1



#8
1-Methylnaphthalene
Concen: 0.390 ng/ul
RT: 12.508 min Scan# 2123
Delta R.T. -0.011 min
Lab File: BM043083.D
Acq: 28 Nov 2023 21:58

Tgt Ion:142 Resp: 1489
Ion Ratio Lower Upper
142 100
141 93.6 73.8 110.8

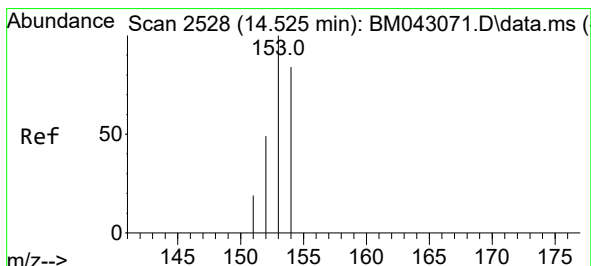
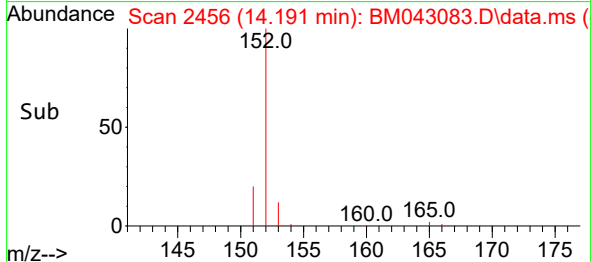
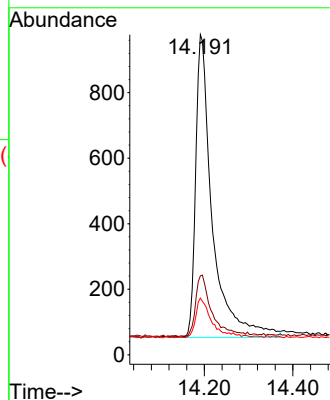
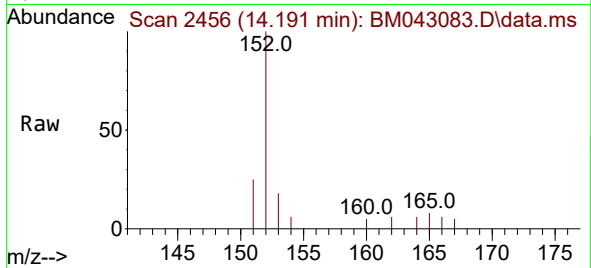




#10
Acenaphthylene
Concen: 0.402 ng/ul
RT: 14.191 min Scan# 2458
Delta R.T. -0.014 min
Lab File: BM043083.D
Acq: 28 Nov 2023 21:58

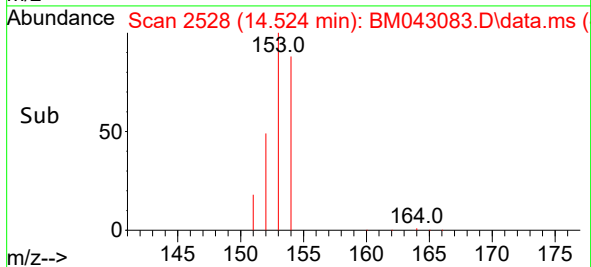
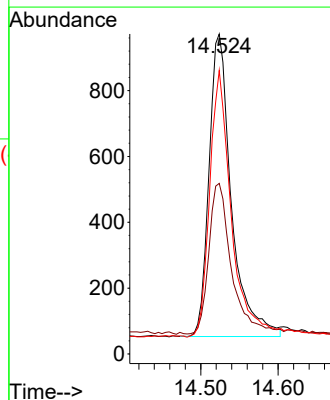
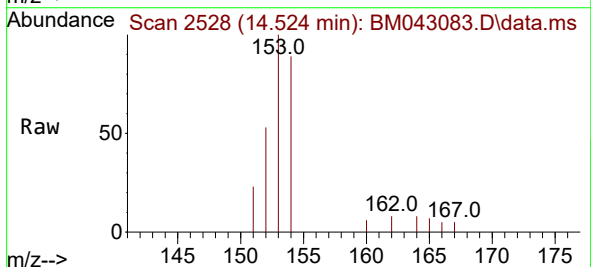
Instrument :
BNA_M
ClientSampleId :
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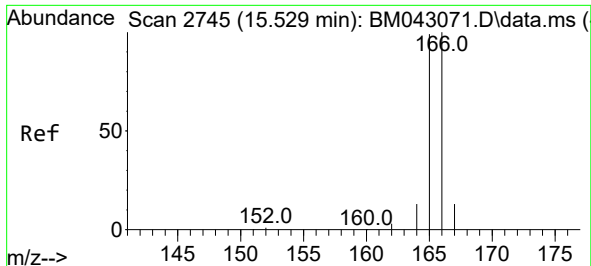
Tgt Ion:	152	Resp:	2421
Ion Ratio	Lower	Upper	
152	100		
151	24.7	19.4	29.0
153	17.7	14.6	21.8



#11
Acenaphthene
Concen: 0.406 ng/ul
RT: 14.524 min Scan# 2528
Delta R.T. -0.009 min
Lab File: BM043083.D
Acq: 28 Nov 2023 21:58

Tgt Ion:	153	Resp:	1849
Ion Ratio	Lower	Upper	
153	100		
152	53.3	43.9	65.9
154	88.6	70.6	105.8

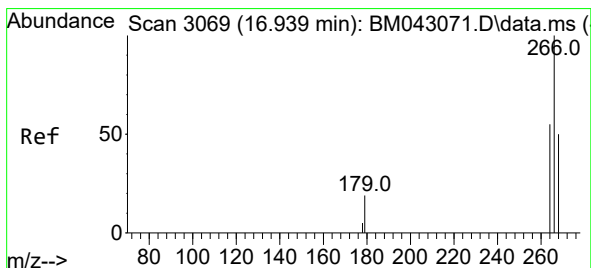
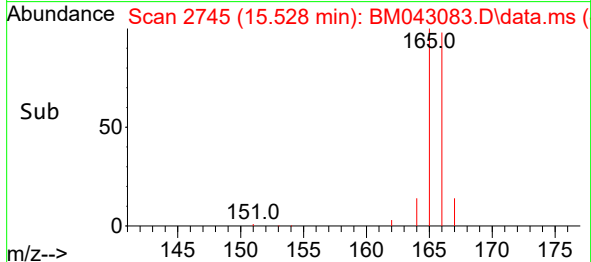
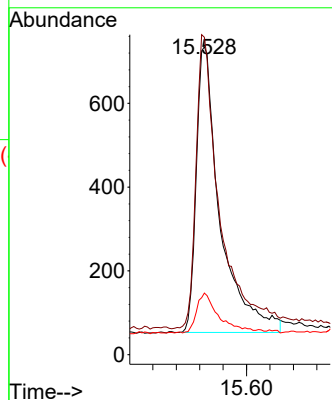
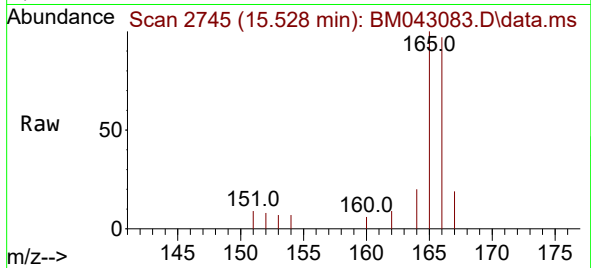




#12
Fluorene
Concen: 0.414 ng/ul
RT: 15.528 min Scan# 21
Delta R.T. -0.009 min
Lab File: BM043083.D
Acq: 28 Nov 2023 21:58

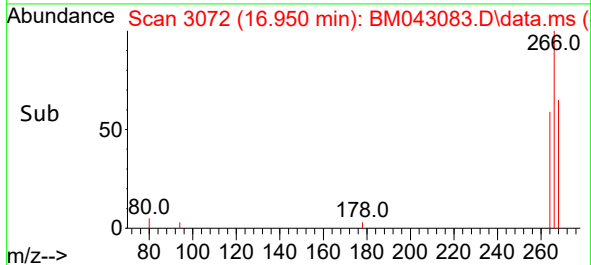
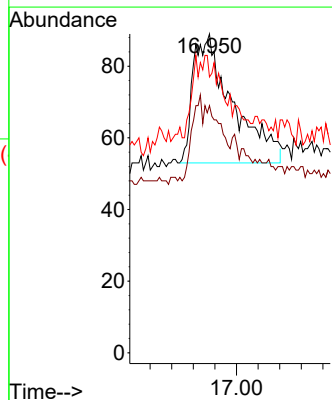
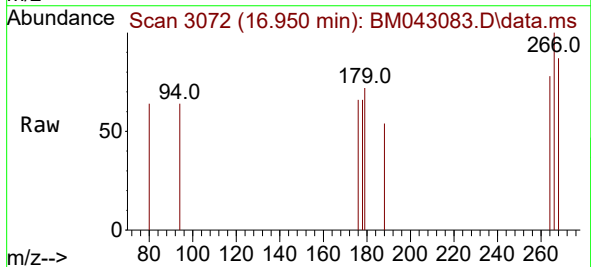
Instrument :
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ClientSampleId :
SSTD0.4142

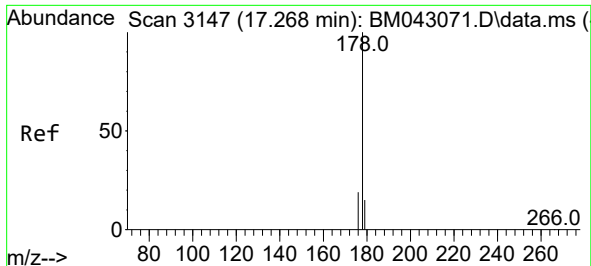
Tgt Ion:166 Resp: 1936
Ion Ratio Lower Upper
166 100
165 103.1 79.9 119.9
167 20.0 14.2 21.4



#14
Pentachlorophenol
Concen: 0.267 ng/ul
RT: 16.950 min Scan# 3072
Delta R.T. 0.038 min
Lab File: BM043083.D
Acq: 28 Nov 2023 21:58

Tgt Ion:266 Resp: 182
Ion Ratio Lower Upper
266 100
264 0.0 48.8 73.2#
268 0.0 51.8 77.6#

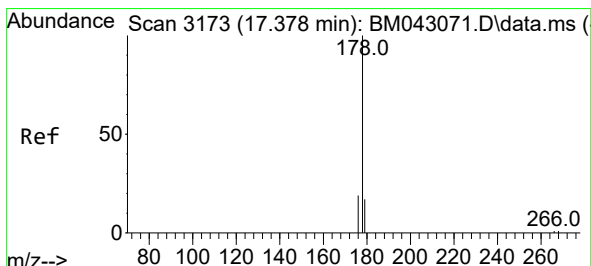
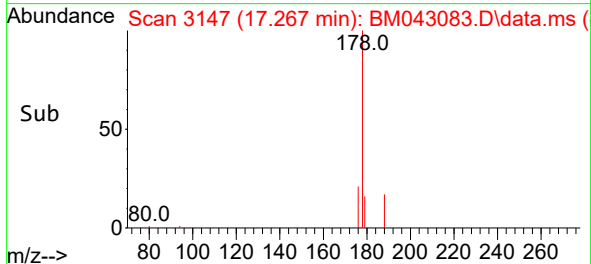
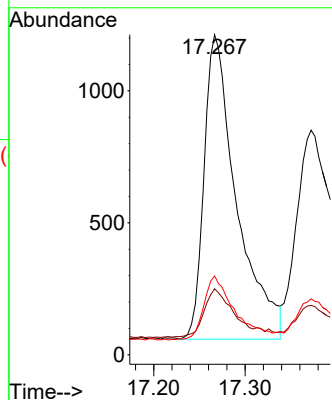
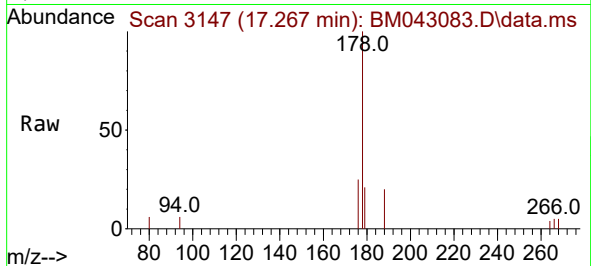




#15
Phenanthrene
Concen: 0.397 ng/ul
RT: 17.267 min Scan# 3147
Delta R.T. -0.012 min
Lab File: BM043083.D
Acq: 28 Nov 2023 21:58

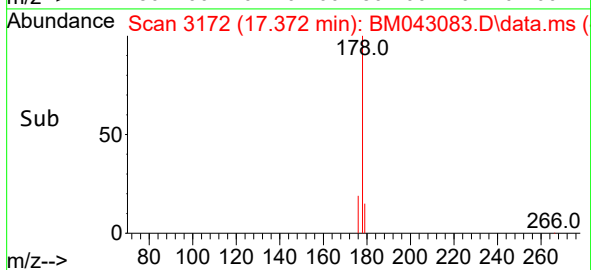
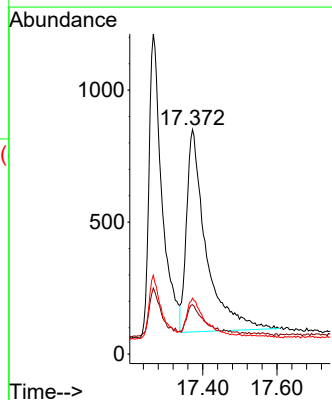
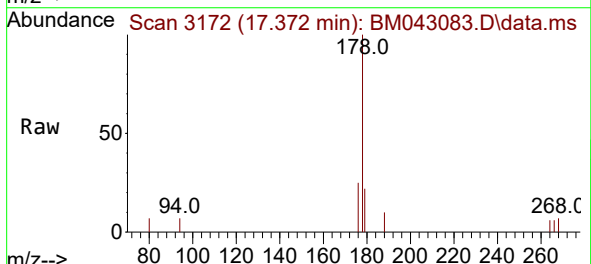
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SSTD0.4142

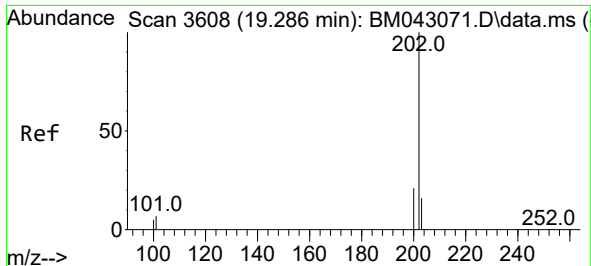
Tgt Ion:178 Resp: 2853
Ion Ratio Lower Upper
178 100
179 20.6 15.7 23.5
176 24.6 18.9 28.3



#16
Anthracene
Concen: 0.410 ng/ul
RT: 17.372 min Scan# 3172
Delta R.T. -0.021 min
Lab File: BM043083.D
Acq: 28 Nov 2023 21:58

Tgt Ion:178 Resp: 2790
Ion Ratio Lower Upper
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179 22.0 17.3 25.9
176 24.9 20.5 30.7

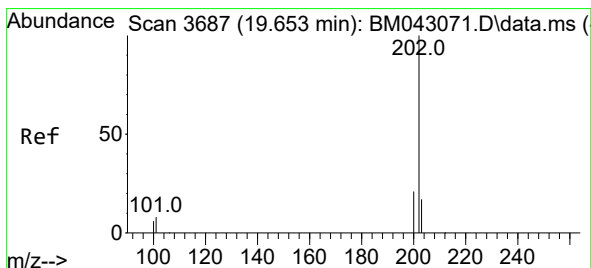
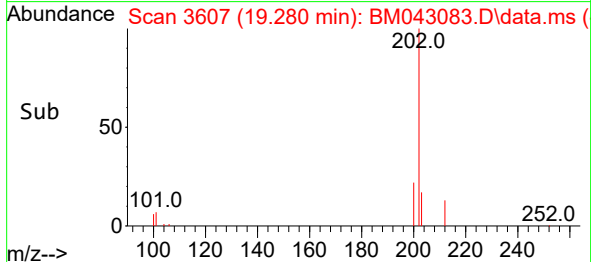
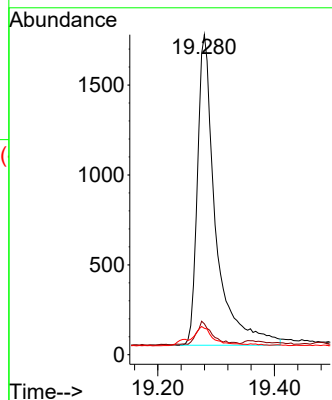
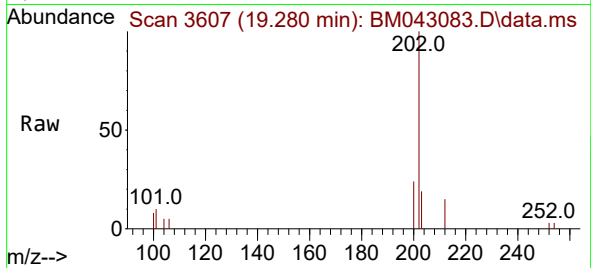




#19
Fluoranthene
Concen: 0.386 ng/ul
RT: 19.280 min Scan# 3607
Delta R.T. -0.014 min
Lab File: BM043083.D
Acq: 28 Nov 2023 21:58

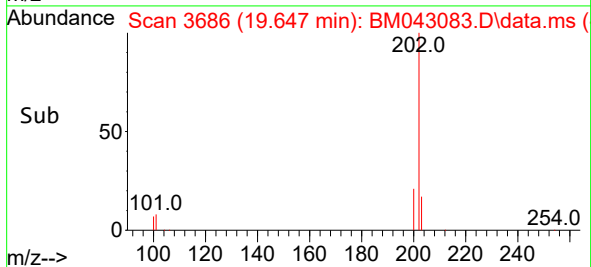
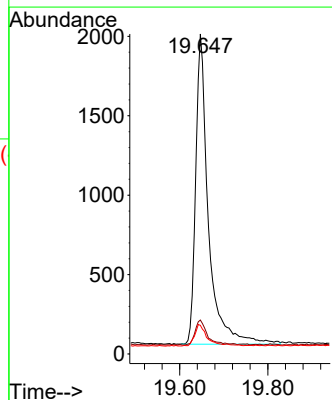
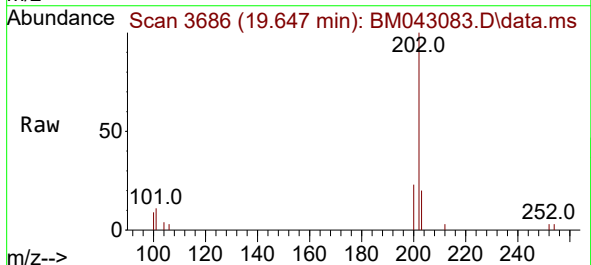
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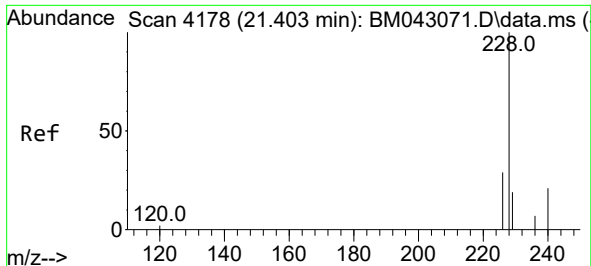
Tgt Ion:202 Resp: 3745
Ion Ratio Lower Upper
202 100
101 9.7 7.8 11.8
100 8.3 7.1 10.7



#20
Pyrene
Concen: 0.380 ng/ul
RT: 19.647 min Scan# 3686
Delta R.T. -0.014 min
Lab File: BM043083.D
Acq: 28 Nov 2023 21:58

Tgt Ion:202 Resp: 3920
Ion Ratio Lower Upper
202 100
101 10.6 8.7 13.1
100 9.0 7.8 11.8

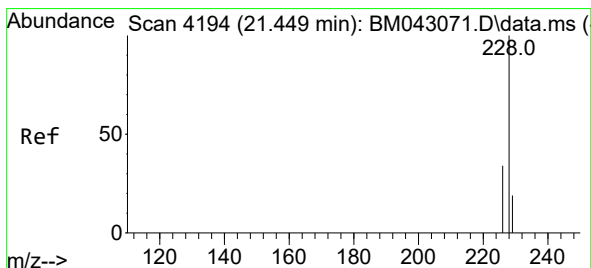
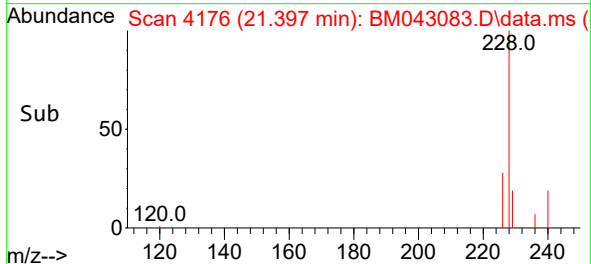
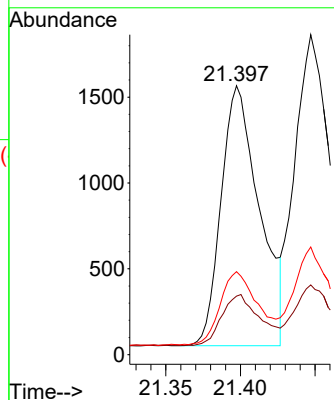
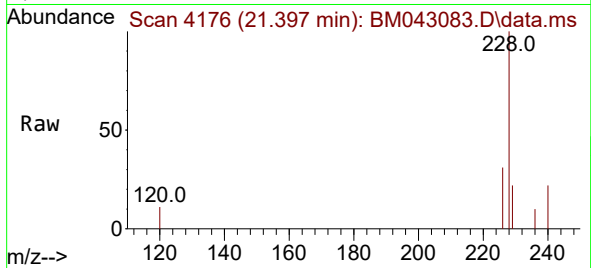




#21
Benzo(a)anthracene
Concen: 0.487 ng/ul
RT: 21.397 min Scan# 4178
Delta R.T. -0.014 min
Lab File: BM043083.D
Acq: 28 Nov 2023 21:58

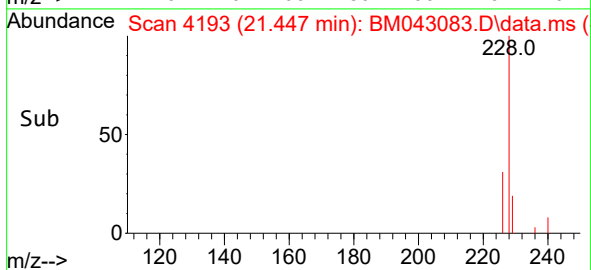
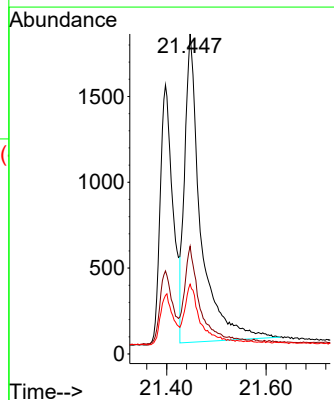
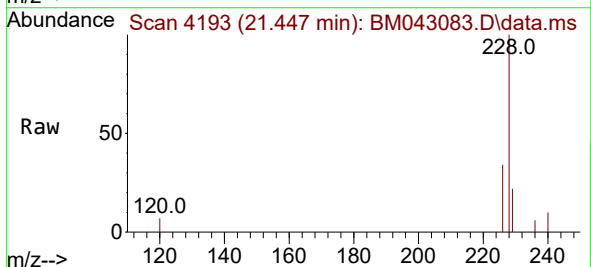
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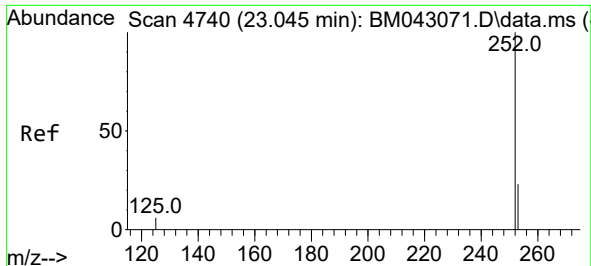
Tgt Ion:228 Resp: 2705
Ion Ratio Lower Upper
228 100
229 21.8 19.4 29.0
226 30.9 24.9 37.3



#22
Chrysene
Concen: 0.391 ng/ul
RT: 21.447 min Scan# 4193
Delta R.T. -0.012 min
Lab File: BM043083.D
Acq: 28 Nov 2023 21:58

Tgt Ion:228 Resp: 4042
Ion Ratio Lower Upper
228 100
226 33.6 27.2 40.8
229 21.8 18.0 27.0

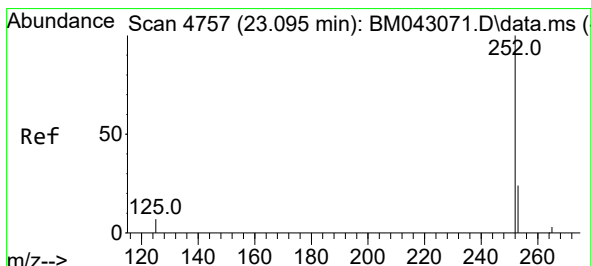
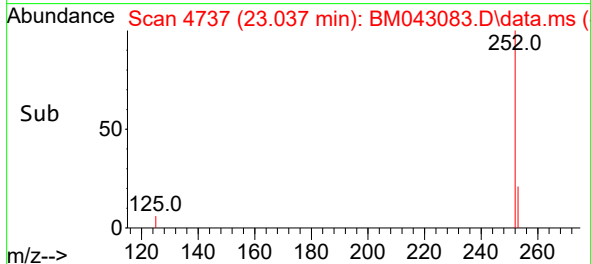
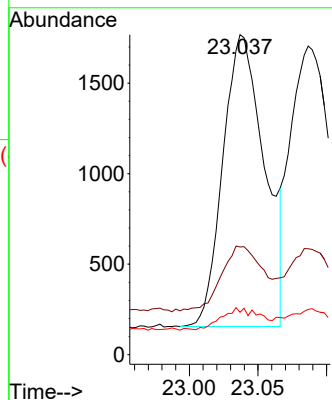
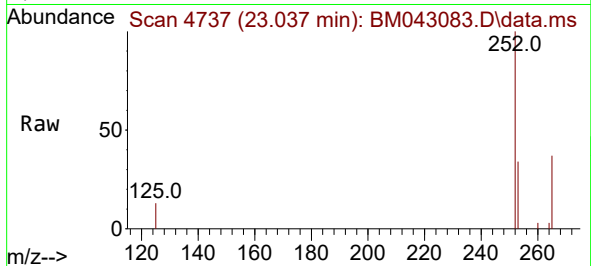




#24
Benzo(b)fluoranthene
Concen: 0.469 ng/ul
RT: 23.037 min Scan# 41
Delta R.T. -0.014 min
Lab File: BM043083.D
Acq: 28 Nov 2023 21:58

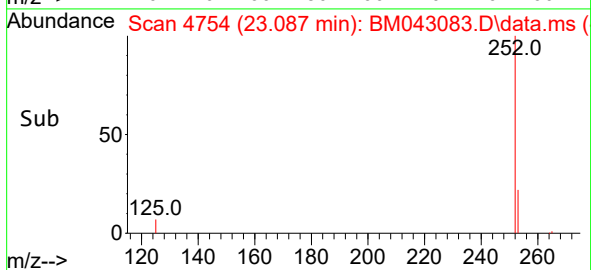
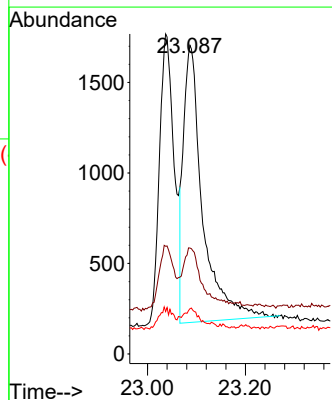
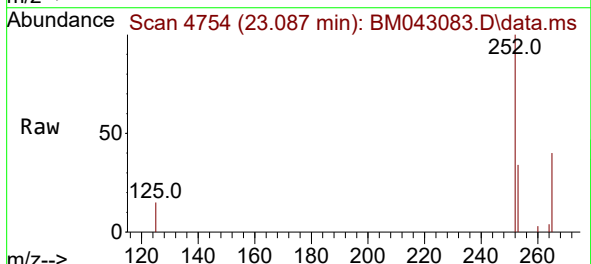
Instrument :
BNA_M
ClientSampleId :
SSTD0.4142

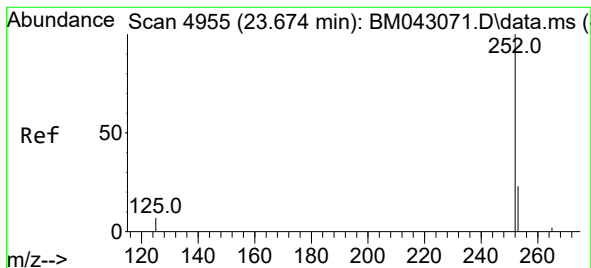
Tgt Ion:252 Resp: 3396
Ion Ratio Lower Upper
252 100
253 33.7 0.0 71.8
125 13.2 0.0 29.0



#25
Benzo(k)fluoranthene
Concen: 0.416 ng/ul
RT: 23.087 min Scan# 4754
Delta R.T. -0.012 min
Lab File: BM043083.D
Acq: 28 Nov 2023 21:58

Tgt Ion:252 Resp: 4150
Ion Ratio Lower Upper
252 100
253 34.3 28.2 42.2
125 14.7 11.0 16.6





#26

Benzo(a)pyrene

Concen: 0.410 ng/ul

RT: 23.666 min Scan# 4952

Delta R.T. -0.020 min

Lab File: BM043083.D

Acq: 28 Nov 2023 21:58

Instrument :

BNA_M

ClientSampleId :

SSTD0.4142

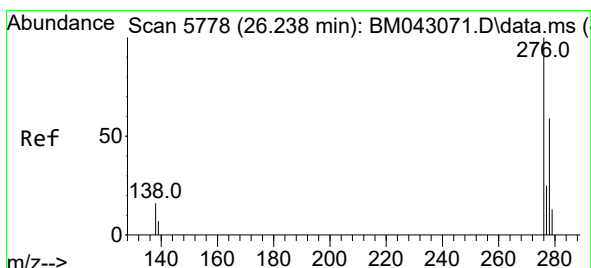
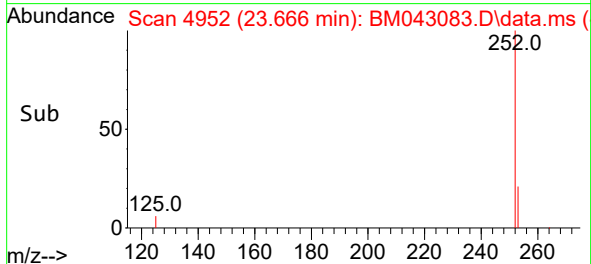
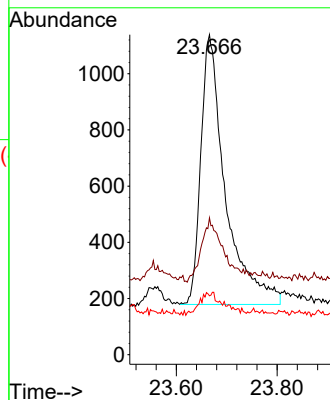
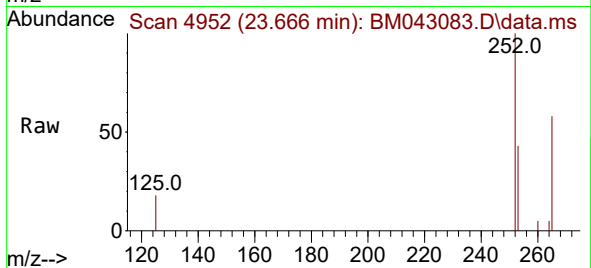
Tgt Ion:252 Resp: 3234

Ion Ratio Lower Upper

252 100

253 42.8 36.6 55.0

125 18.4 16.2 24.4



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.420 ng/ul

RT: 26.225 min Scan# 5774

Delta R.T. -0.013 min

Lab File: BM043083.D

Acq: 28 Nov 2023 21:58

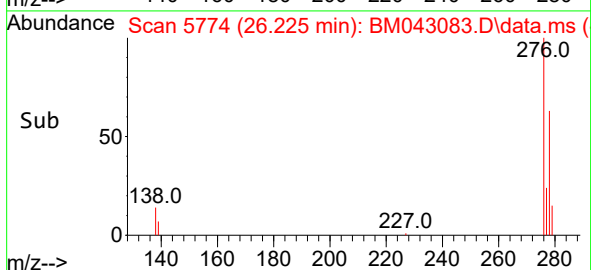
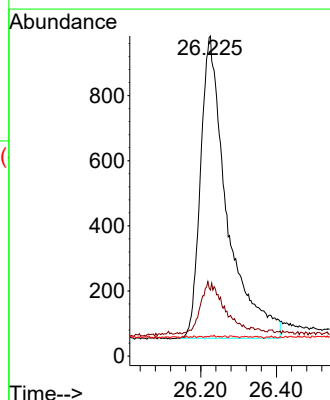
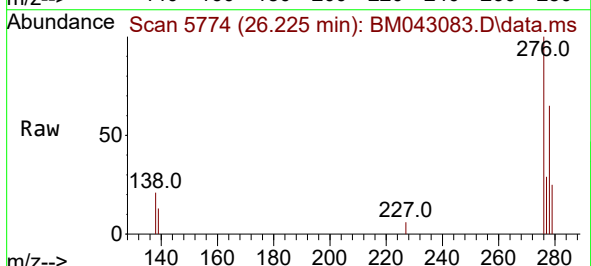
Tgt Ion:276 Resp: 4490

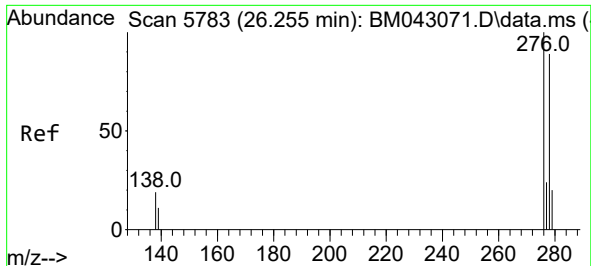
Ion Ratio Lower Upper

276 100

138 15.3 0.0 0.0#

227 0.2 0.2 0.2

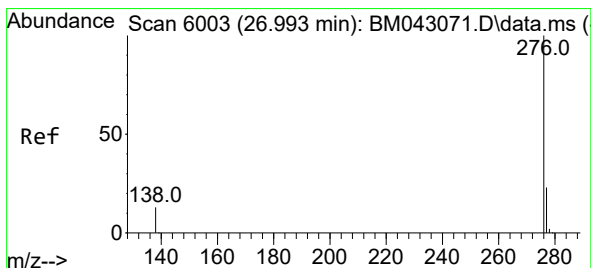
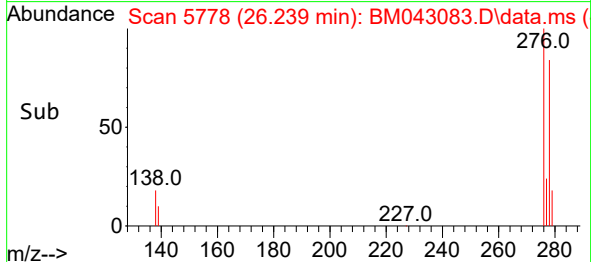
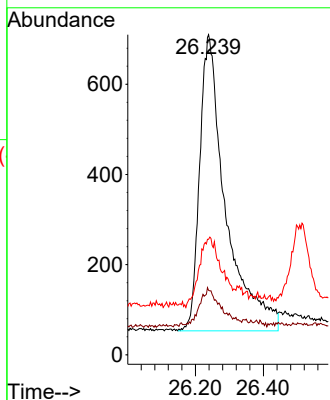
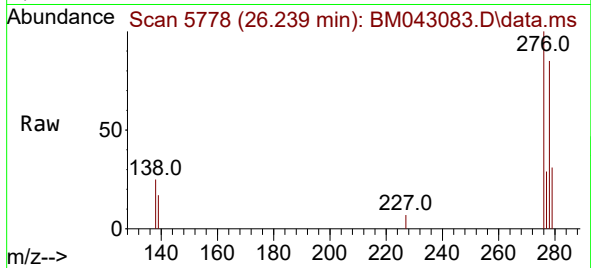




#28
 Dibenzo(a,h)anthracene
 Concen: 0.422 ng/ul
 RT: 26.239 min Scan# 51
 Delta R.T. -0.037 min
 Lab File: BM043083.D
 Acq: 28 Nov 2023 21:58

Instrument :
 BNA_M
 ClientSampleId :
 SST0.4142

Tgt Ion:278 Resp: 3491
 Ion Ratio Lower Upper
 278 100
 139 20.1 18.1 27.1
 279 36.1 34.4 51.6



#29
 Benzo(g,h,i)perylene
 Concen: 0.398 ng/ul
 RT: 26.980 min Scan# 5999
 Delta R.T. -0.030 min
 Lab File: BM043083.D
 Acq: 28 Nov 2023 21:58

Tgt Ion:276 Resp: 4135
 Ion Ratio Lower Upper
 276 100
 138 21.3 17.8 26.8
 277 29.2 23.8 35.8

