

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043164.D
 Acq On : 02 Dec 2023 17:38
 Operator : MA/JU
 Sample : PB157359BS
 Misc :
 ALS Vial : 83 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS359

Quant Time: Dec 02 23:18:22 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 : Sat Dec 02 23:09:32 2023
 Response via : Initial Calibration

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

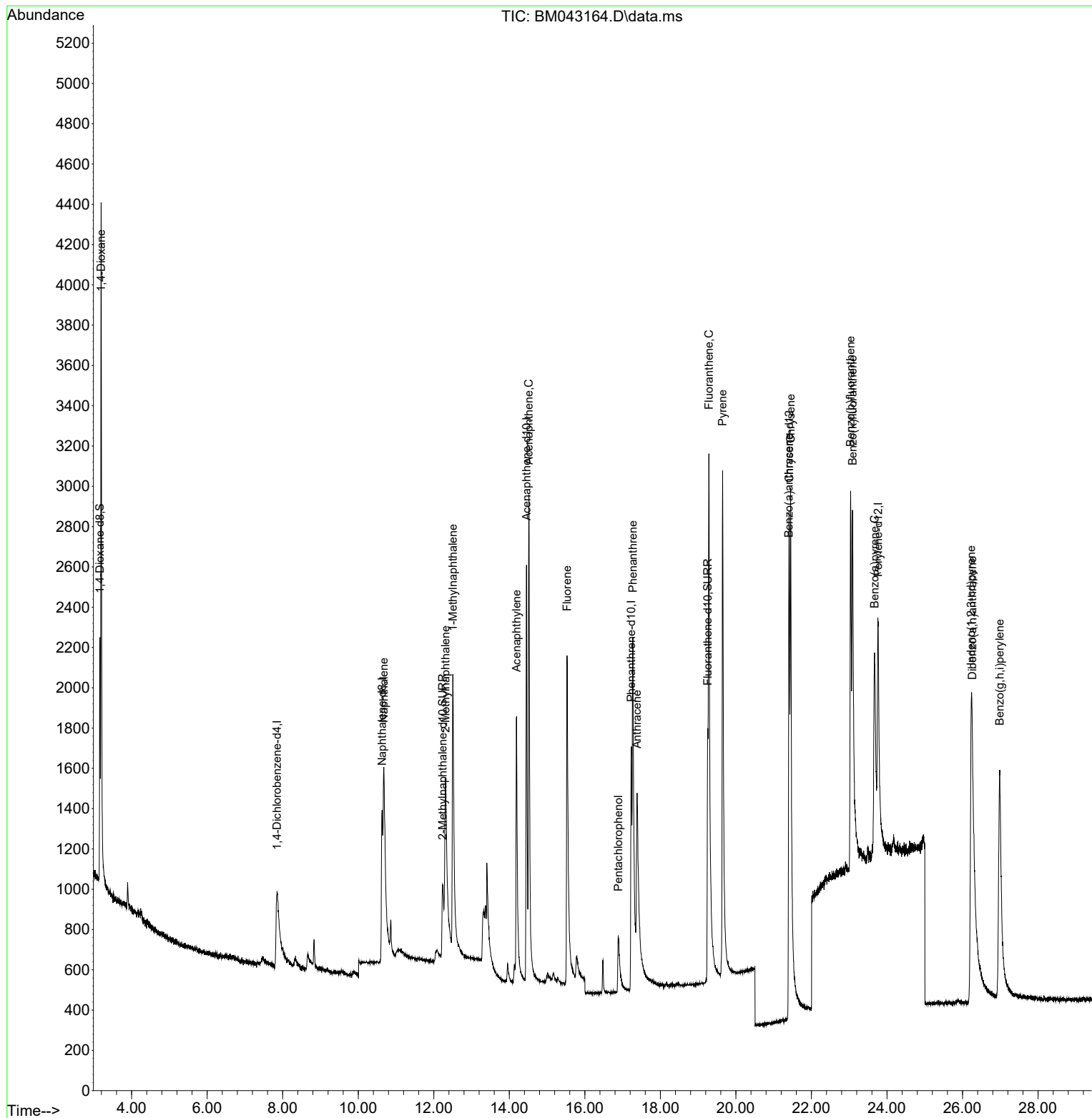
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.847	152	824	0.400	ng/ul	0.02
4) Naphthalene-d8	10.633	136	2726	0.400	ng/ul #	0.02
9) Acenaphthene-d10	14.454	164	1531	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.228	188	3087	0.400	ng/ul	0.01
17) Chrysene-d12	21.412	240	1882	0.400	ng/ul	0.00
23) Perylene-d12	23.765	264	2315	0.400	ng/ul #	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.160	96	862	0.682	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.233	152	1327	0.364	ng/ul	0.00
18) Fluoranthene-d10	19.252	212	2674	0.390	ng/ul	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.193	88	2525	1.860	ng/ul#	84
5) Naphthalene	10.677	128	2561	0.346	ng/ul	96
7) 2-Methylnaphthalene	12.310	142	1490	0.341	ng/ul	99
8) 1-Methylnaphthalene	12.508	142	1606	0.330	ng/ul	97
10) Acenaphthylene	14.191	152	2590	0.331	ng/ul	97
11) Acenaphthene	14.515	153	2013	0.340	ng/ul	94
12) Fluorene	15.528	166	2060	0.339	ng/ul	97
14) Pentachlorophenol	16.882	266	491	0.588	ng/ul	97
15) Phenanthrene	17.271	178	3004	0.341	ng/ul	100
16) Anthracene	17.380	178	2960	0.355	ng/ul	98
19) Fluoranthene	19.284	202	3880	0.364	ng/ul	97
20) Pyrene	19.647	202	4106	0.362	ng/ul	99
21) Benzo(a)anthracene	21.400	228	2280	0.373	ng/ul	98
22) Chrysene	21.447	228	4086	0.359	ng/ul	98
24) Benzo(b)fluoranthene	23.037	252	3163	0.405	ng/ul	97
25) Benzo(k)fluoranthene	23.086	252	4221	0.392	ng/ul	97
26) Benzo(a)pyrene	23.671	252	3085	0.362	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	26.229	276	4322	0.375	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.259	278	3250	0.364	ng/ul	95
29) Benzo(g,h,i)perylene	26.986	276	4195	0.374	ng/ul	97

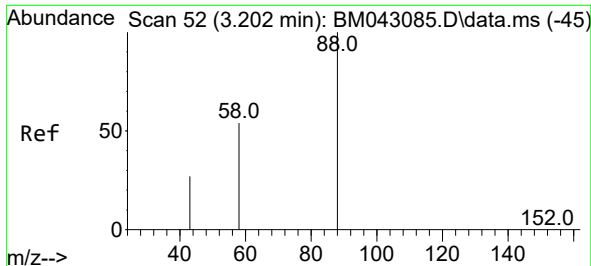
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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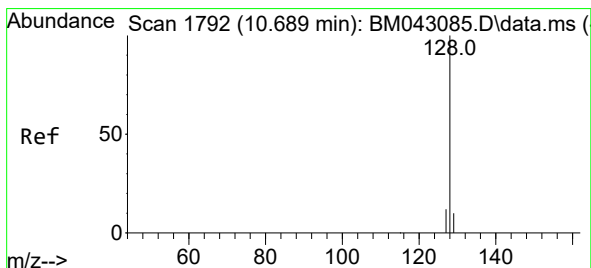
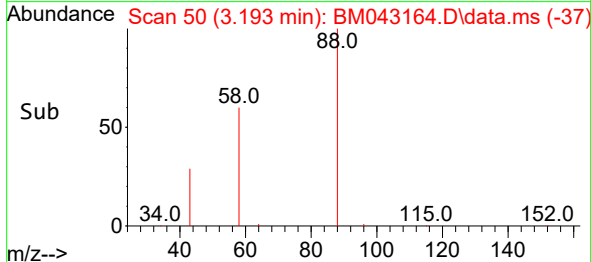
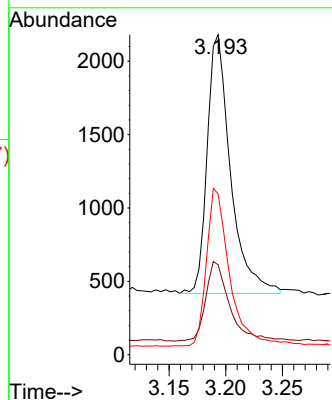
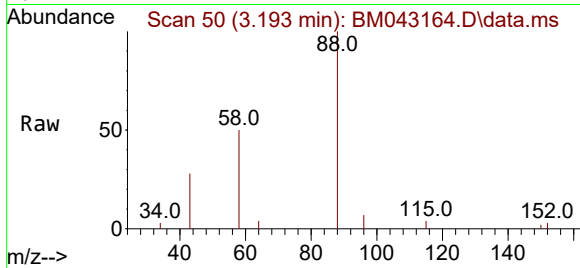




#2
1,4-Dioxane
Concen: 1.860 ng/ul
RT: 3.193 min Scan# 50
Delta R.T. -0.004 min
Lab File: BM043164.D
Acq: 02 Dec 2023 17:38

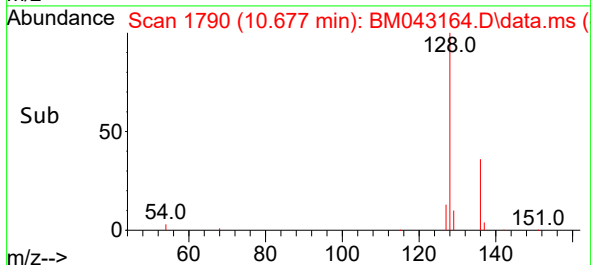
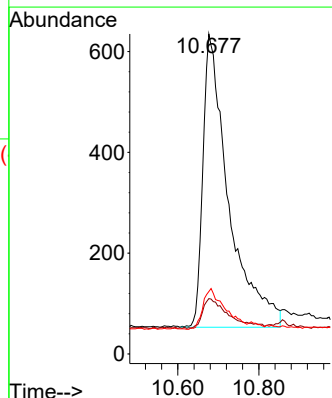
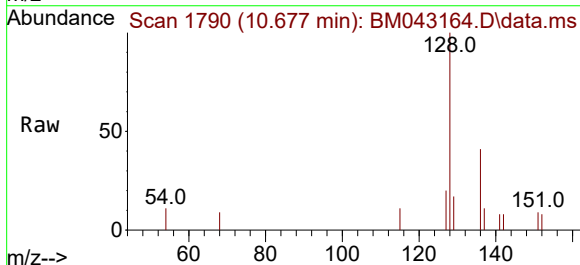
Instrument :
BNA_M
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SLCS359

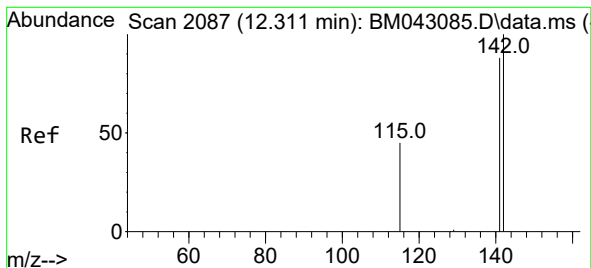
Tgt Ion: 88 Resp: 2525
Ion Ratio Lower Upper
88 100
43 28.1 22.8 34.2
58 50.3 26.8 40.2#



#5
Naphthalene
Concen: 0.346 ng/ul
RT: 10.677 min Scan# 1790
Delta R.T. 0.010 min
Lab File: BM043164.D
Acq: 02 Dec 2023 17:38

Tgt Ion: 128 Resp: 2561
Ion Ratio Lower Upper
128 100
129 17.3 16.0 24.0
127 19.5 16.5 24.7

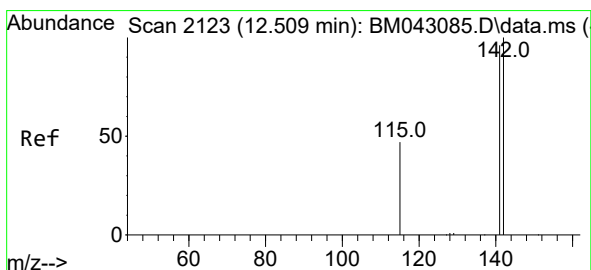
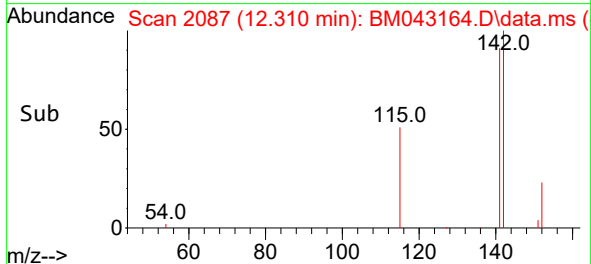
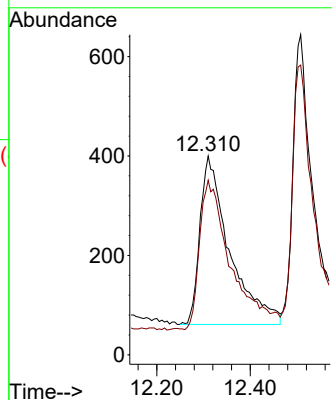
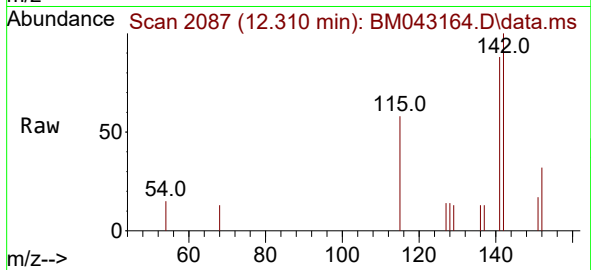




#7
2-Methylnaphthalene
Concen: 0.341 ng/ul
RT: 12.310 min Scan# 2087
Delta R.T. 0.015 min
Lab File: BM043164.D
Acq: 02 Dec 2023 17:38

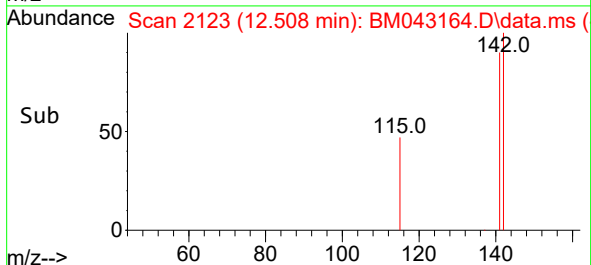
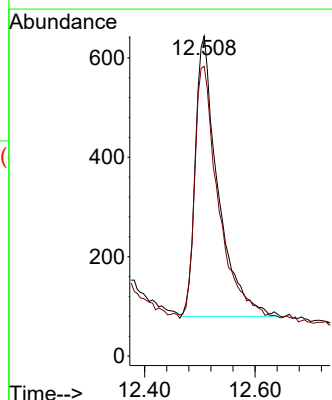
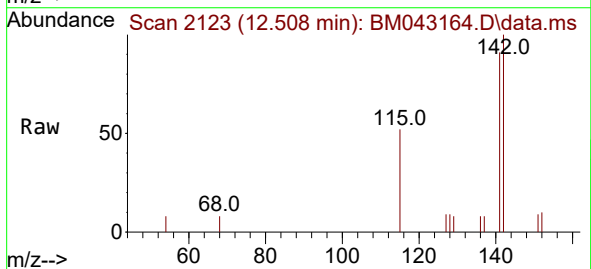
Instrument :
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ClientSampleId :
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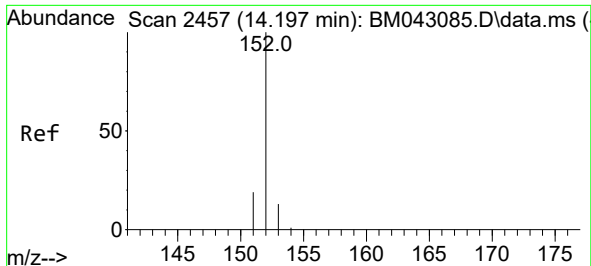
Tgt Ion:142 Resp: 1490
Ion Ratio Lower Upper
142 100
141 94.4 76.1 114.1



#8
1-Methylnaphthalene
Concen: 0.330 ng/ul
RT: 12.508 min Scan# 2123
Delta R.T. 0.010 min
Lab File: BM043164.D
Acq: 02 Dec 2023 17:38

Tgt Ion:142 Resp: 1606
Ion Ratio Lower Upper
142 100
141 94.8 73.8 110.8

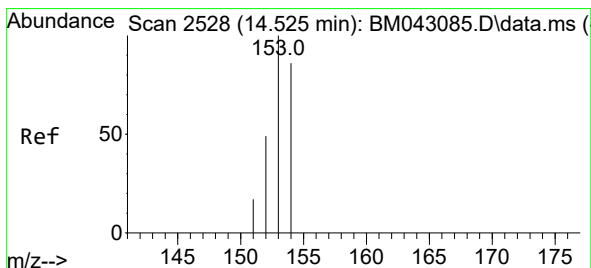
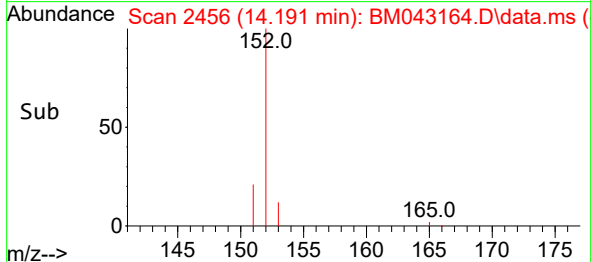
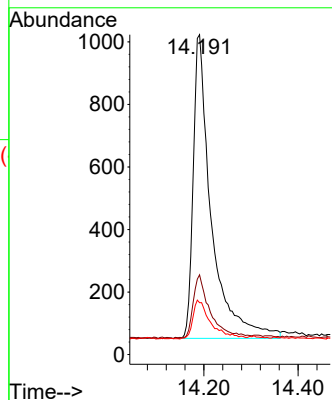
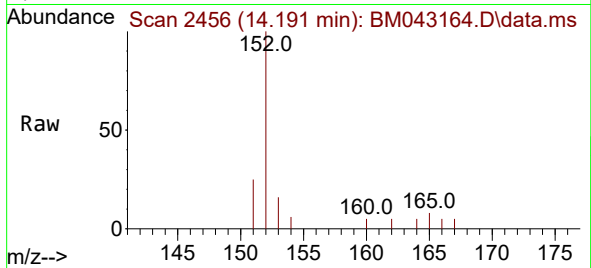




#10
Acenaphthylene
Concen: 0.331 ng/ul
RT: 14.191 min Scan# 2456
Delta R.T. 0.008 min
Lab File: BM043164.D
Acq: 02 Dec 2023 17:38

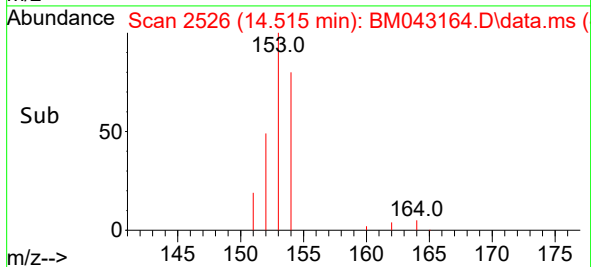
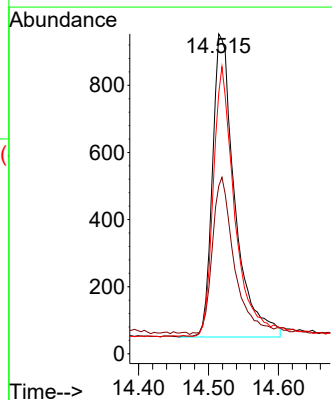
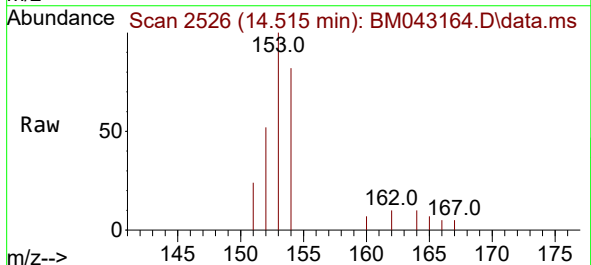
Instrument :
BNA_M
ClientSampleId :
SLCS359

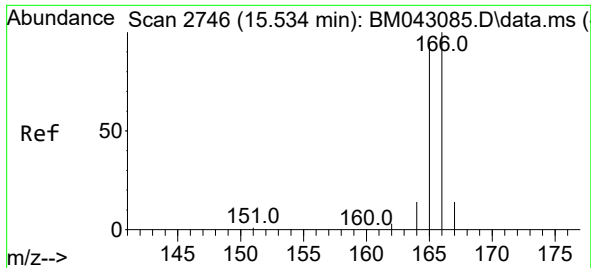
Tgt Ion:	152	Resp:	2590
Ion Ratio	Lower	Upper	
152	100		
151	24.9	19.4	29.0
153	16.2	14.6	21.8



#11
Acenaphthene
Concen: 0.340 ng/ul
RT: 14.515 min Scan# 2526
Delta R.T. -0.001 min
Lab File: BM043164.D
Acq: 02 Dec 2023 17:38

Tgt Ion:	153	Resp:	2013
Ion Ratio	Lower	Upper	
153	100		
152	52.5	43.9	65.9
154	81.5	70.6	105.8

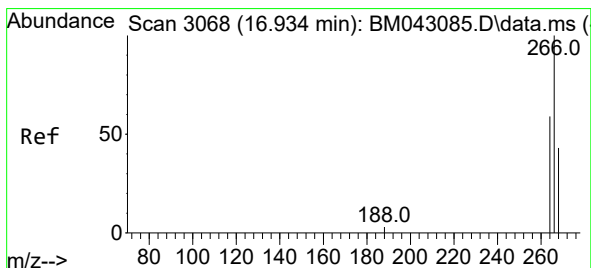
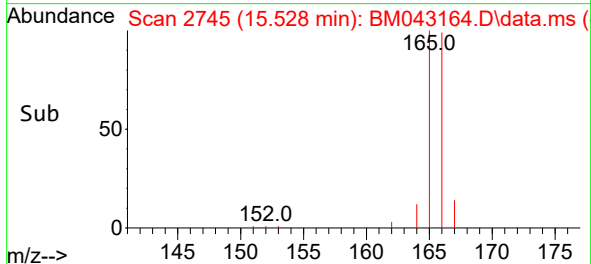
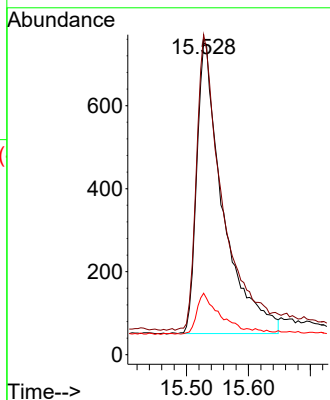
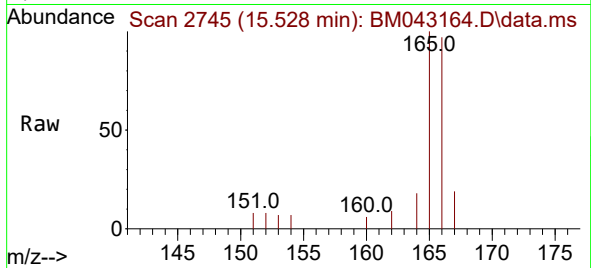




#12
 Fluorene
 Concen: 0.339 ng/ul
 RT: 15.528 min Scan# 21
 Delta R.T. 0.013 min
 Lab File: BM043164.D
 Acq: 02 Dec 2023 17:38

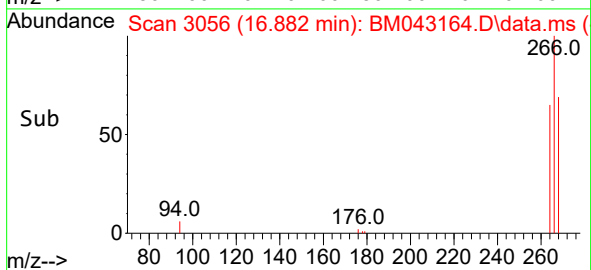
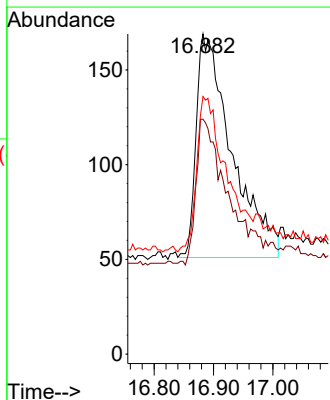
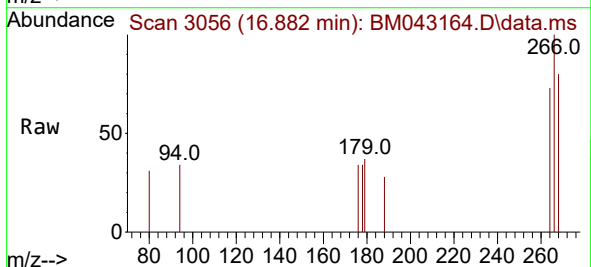
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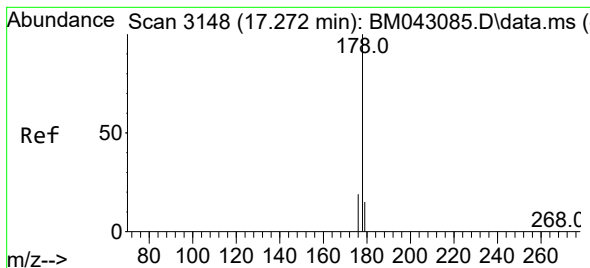
Tgt Ion:	166	Resp:	2060
Ion	Ratio	Lower	Upper
166	100		
165	102.7	79.9	119.9
167	19.7	14.2	21.4



#14
 Pentachlorophenol
 Concen: 0.588 ng/ul
 RT: 16.882 min Scan# 3056
 Delta R.T. 0.003 min
 Lab File: BM043164.D
 Acq: 02 Dec 2023 17:38

Tgt Ion:	266	Resp:	491
Ion	Ratio	Lower	Upper
266	100		
264	60.7	48.8	73.2
268	69.7	51.8	77.6





#15

Phenanthrene

Concen: 0.341 ng/ul

RT: 17.271 min Scan# 3148

Delta R.T. 0.011 min

Lab File: BM043164.D

Acq: 02 Dec 2023 17:38

Instrument :

BNA_M

ClientSampleId :

SLCS359

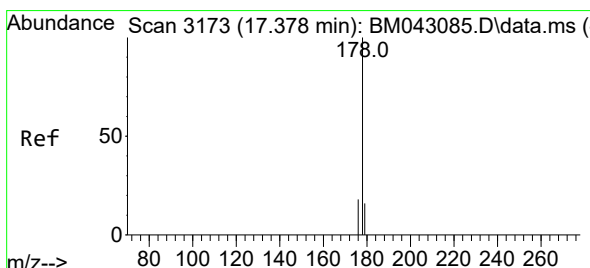
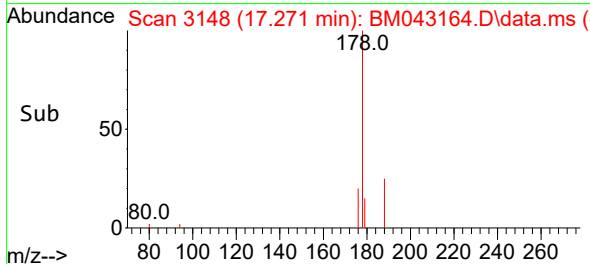
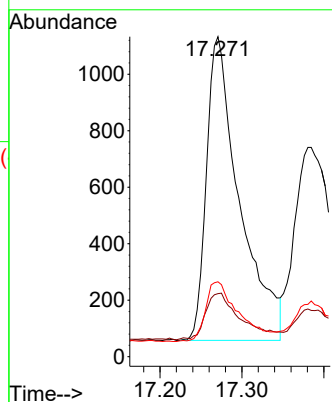
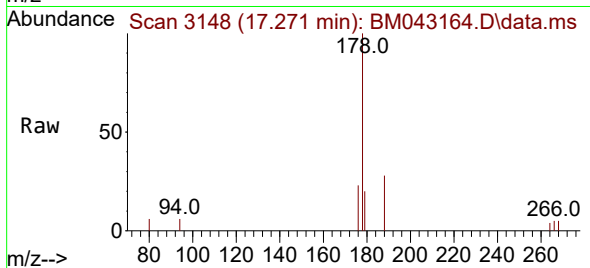
Tgt Ion:178 Resp: 3004

Ion Ratio Lower Upper

178 100

179 19.7 15.7 23.5

176 23.4 18.9 28.3



#16

Anthracene

Concen: 0.355 ng/ul

RT: 17.380 min Scan# 3174

Delta R.T. 0.020 min

Lab File: BM043164.D

Acq: 02 Dec 2023 17:38

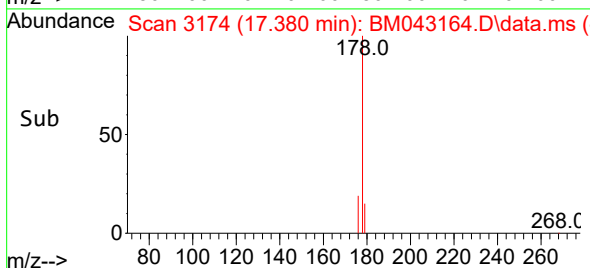
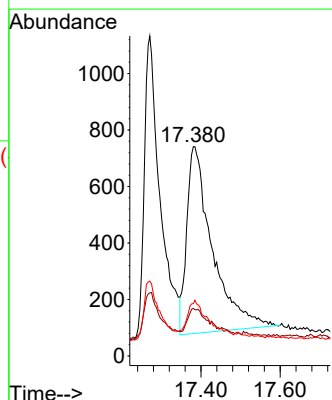
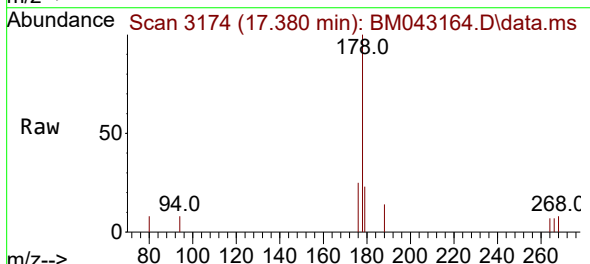
Tgt Ion:178 Resp: 2960

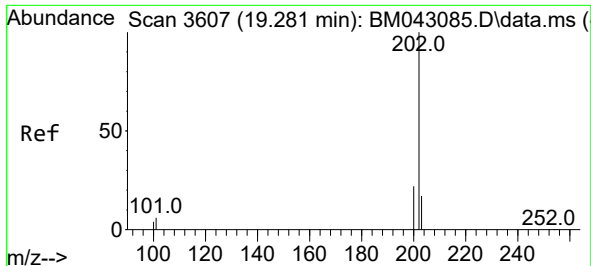
Ion Ratio Lower Upper

178 100

179 22.8 17.3 25.9

176 25.0 20.5 30.7

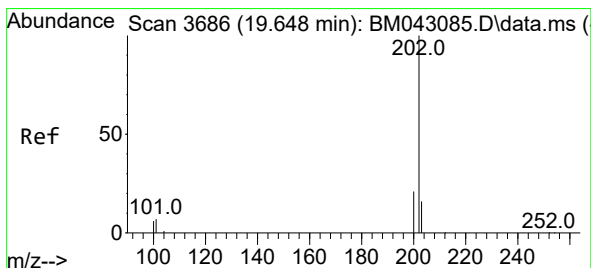
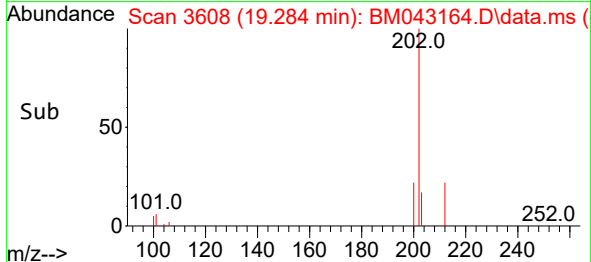
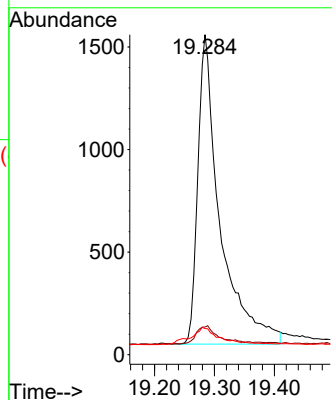
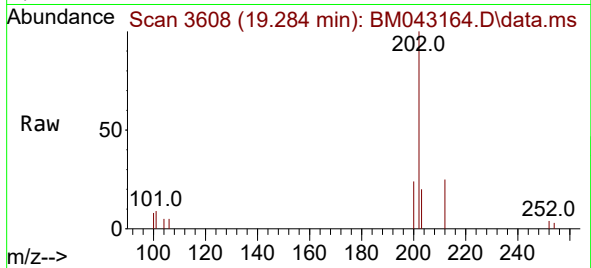




#19
Fluoranthene
Concen: 0.364 ng/ul
RT: 19.284 min Scan# 3607
Delta R.T. 0.013 min
Lab File: BM043164.D
Acq: 02 Dec 2023 17:38

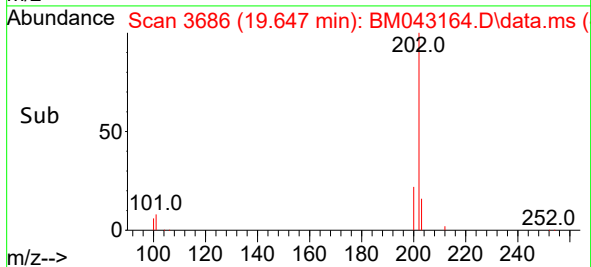
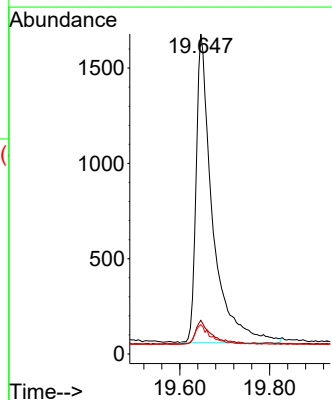
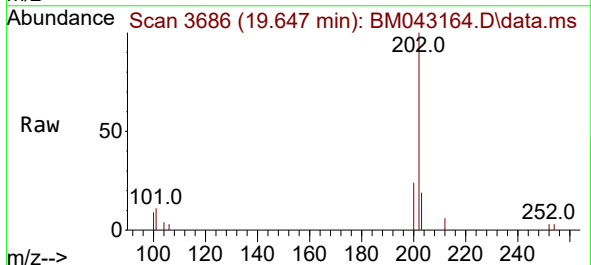
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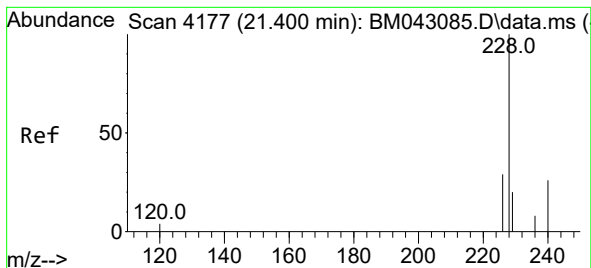
Tgt Ion:202 Resp: 3880
Ion Ratio Lower Upper
202 100
101 8.7 7.8 11.8
100 8.1 7.1 10.7



#20
Pyrene
Concen: 0.362 ng/ul
RT: 19.647 min Scan# 3686
Delta R.T. 0.008 min
Lab File: BM043164.D
Acq: 02 Dec 2023 17:38

Tgt Ion:202 Resp: 4106
Ion Ratio Lower Upper
202 100
101 10.5 8.7 13.1
100 9.2 7.8 11.8





#21

Benzo(a)anthracene

Concen: 0.373 ng/ul

RT: 21.400 min Scan# 4177

Delta R.T. 0.012 min

Lab File: BM043164.D

Acq: 02 Dec 2023 17:38

Instrument :

BNA_M

ClientSampleId :

SLCS359

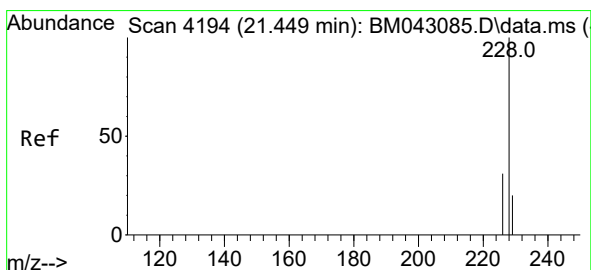
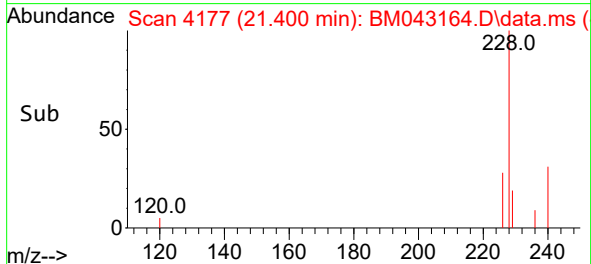
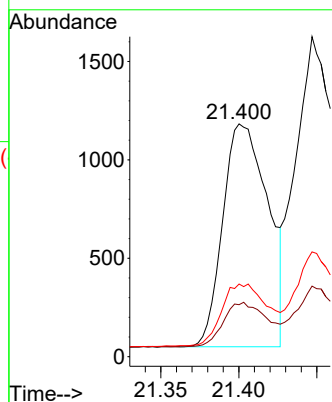
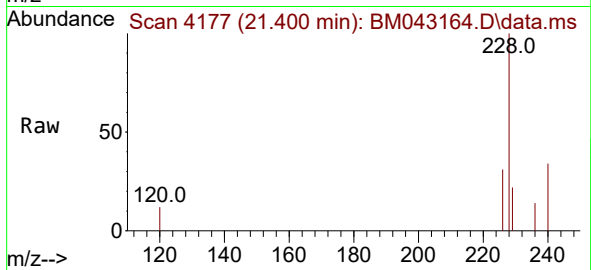
Tgt Ion:228 Resp: 2280

Ion Ratio Lower Upper

228 100

229 22.3 19.4 29.0

226 31.2 24.9 37.3



#22

Chrysene

Concen: 0.359 ng/ul

RT: 21.447 min Scan# 4193

Delta R.T. 0.009 min

Lab File: BM043164.D

Acq: 02 Dec 2023 17:38

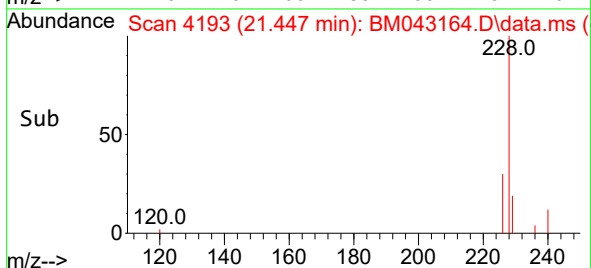
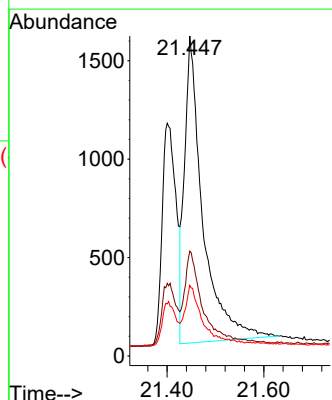
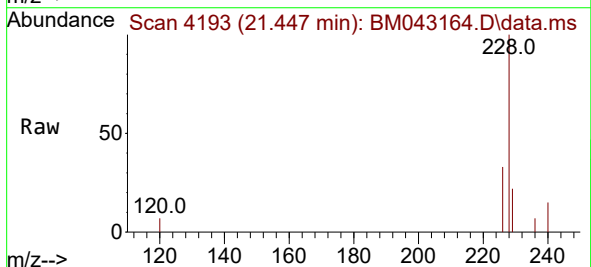
Tgt Ion:228 Resp: 4086

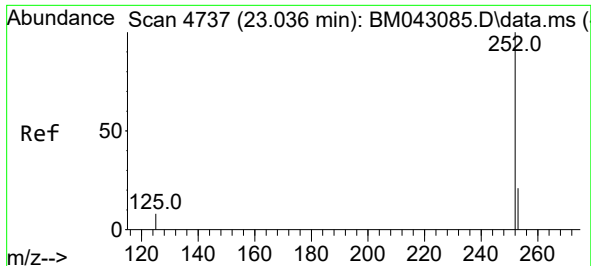
Ion Ratio Lower Upper

228 100

226 32.7 27.2 40.8

229 22.0 18.0 27.0

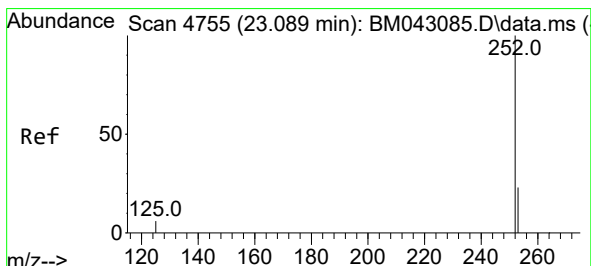
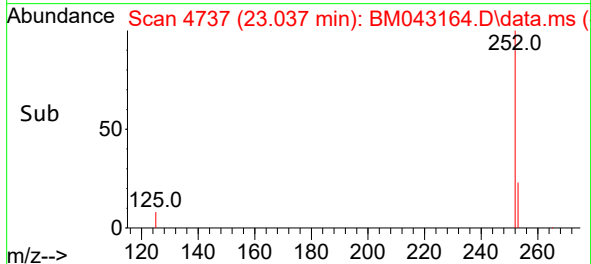
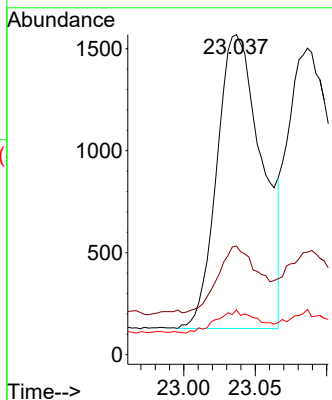
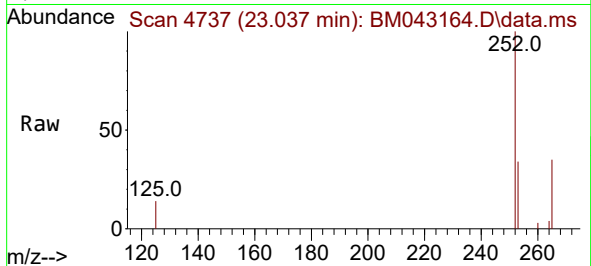




#24
Benzo(b)fluoranthene
Concen: 0.405 ng/ul
RT: 23.037 min Scan# 4737
Delta R.T. 0.009 min
Lab File: BM043164.D
Acq: 02 Dec 2023 17:38

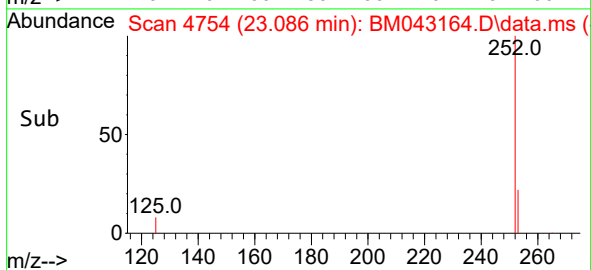
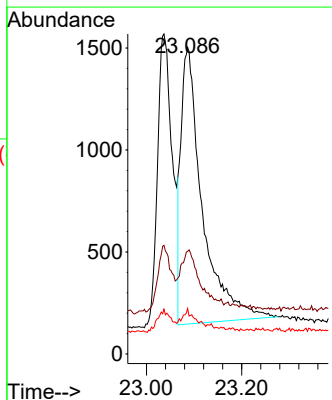
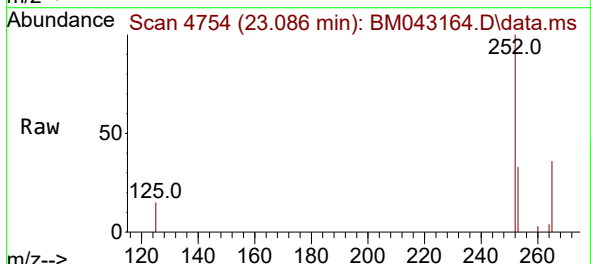
Instrument :
BNA_M
ClientSampleId :
SLCS359

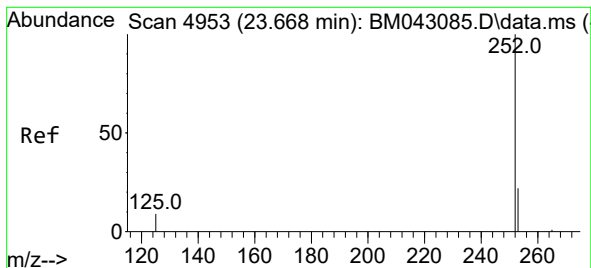
Tgt Ion:252	Resp:	3163
Ion Ratio	Lower	Upper
252	100	
253	34.0	0.0 71.8
125	14.0	0.0 29.0



#25
Benzo(k)fluoranthene
Concen: 0.392 ng/ul
RT: 23.086 min Scan# 4754
Delta R.T. 0.009 min
Lab File: BM043164.D
Acq: 02 Dec 2023 17:38

Tgt Ion:252	Resp:	4221
Ion Ratio	Lower	Upper
252	100	
253	33.5	28.2 42.2
125	14.8	11.0 16.6





#26

Benzo(a)pyrene

Concen: 0.362 ng/ul

RT: 23.671 min Scan# 4954

Delta R.T. 0.021 min

Lab File: BM043164.D

Acq: 02 Dec 2023 17:38

Instrument :

BNA_M

ClientSampleId :

SLCS359

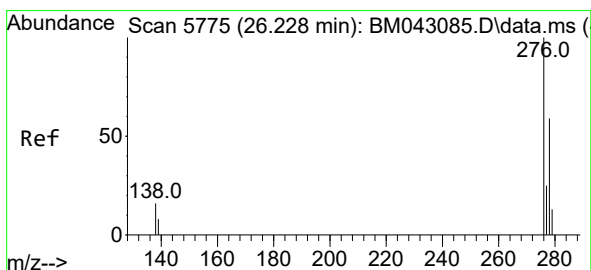
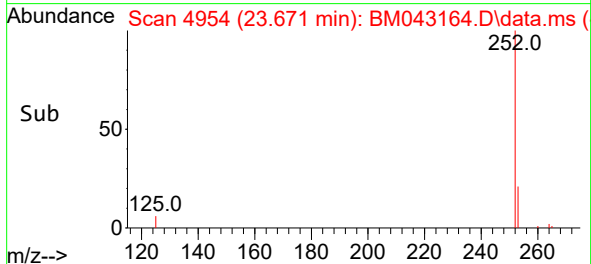
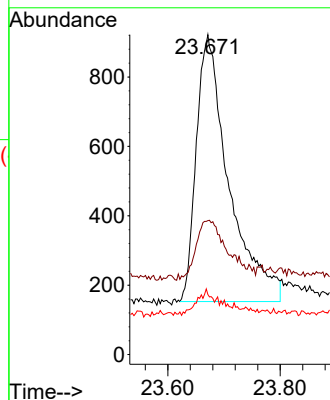
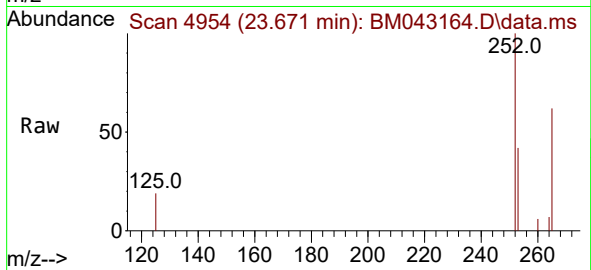
Tgt Ion:252 Resp: 3085

Ion Ratio Lower Upper

252 100

253 41.9 36.6 55.0

125 18.8 16.2 24.4



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.375 ng/ul

RT: 26.229 min Scan# 5775

Delta R.T. 0.024 min

Lab File: BM043164.D

Acq: 02 Dec 2023 17:38

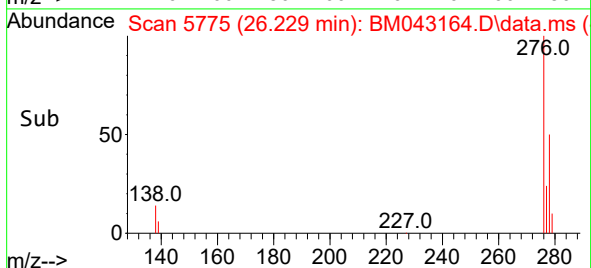
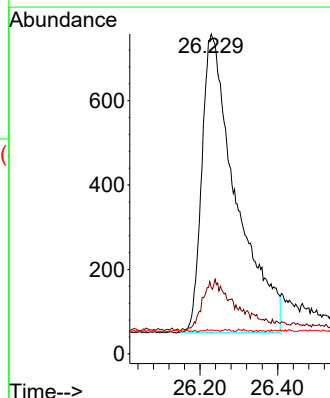
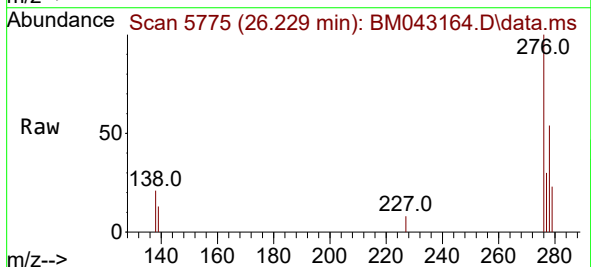
Tgt Ion:276 Resp: 4322

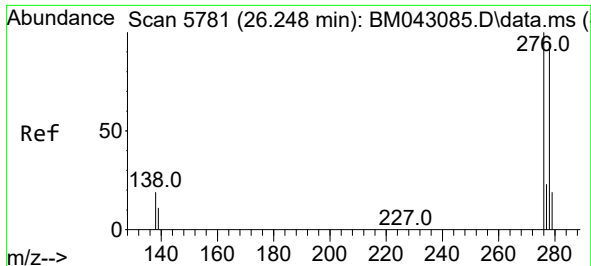
Ion Ratio Lower Upper

276 100

138 0.0 0.0 0.0

227 0.3 0.2 0.2#

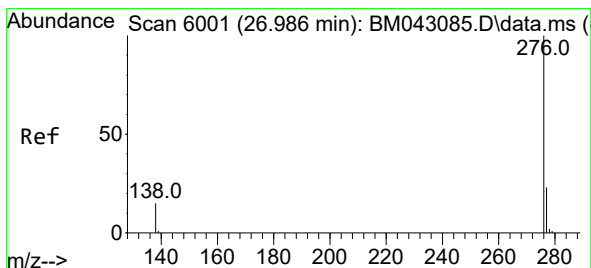
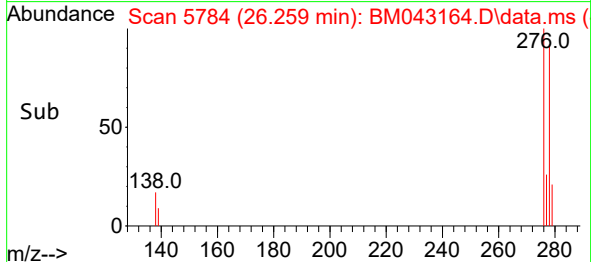
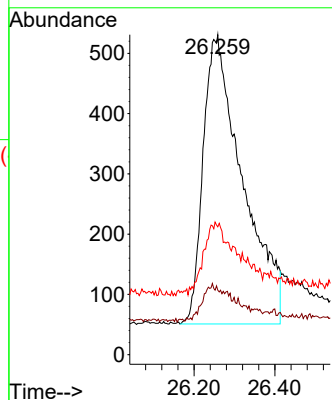
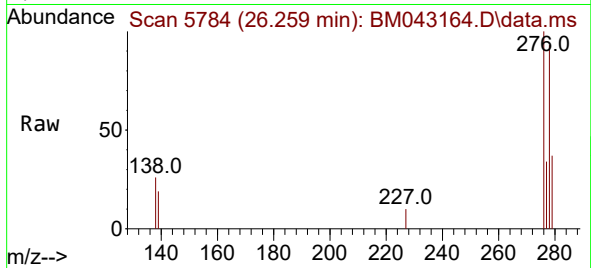




#28
 Dibenzo(a,h)anthracene
 Concen: 0.364 ng/ul
 RT: 26.259 min Scan# 5781
 Delta R.T. 0.047 min
 Lab File: BM043164.D
 Acq: 02 Dec 2023 17:38

Instrument :
 BNA_M
 ClientSampleId :
 SLCS359

Tgt Ion:278 Resp: 3250
 Ion Ratio Lower Upper
 278 100
 139 20.2 18.1 27.1
 279 39.9 34.4 51.6



#29
 Benzo(g,h,i)perylene
 Concen: 0.374 ng/ul
 RT: 26.986 min Scan# 6001
 Delta R.T. 0.027 min
 Lab File: BM043164.D
 Acq: 02 Dec 2023 17:38

Tgt Ion:276 Resp: 4195
 Ion Ratio Lower Upper
 276 100
 138 21.2 17.8 26.8
 277 28.1 23.8 35.8

