

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042024\
 Data File : BM045451.D
 Acq On : 21 Apr 2024 07:57
 Operator : MA/JU
 Sample : PB160406BS
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS406

Quant Time: Apr 22 01:28:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 21 05:11:22 2024
 Response via : Initial Calibration

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

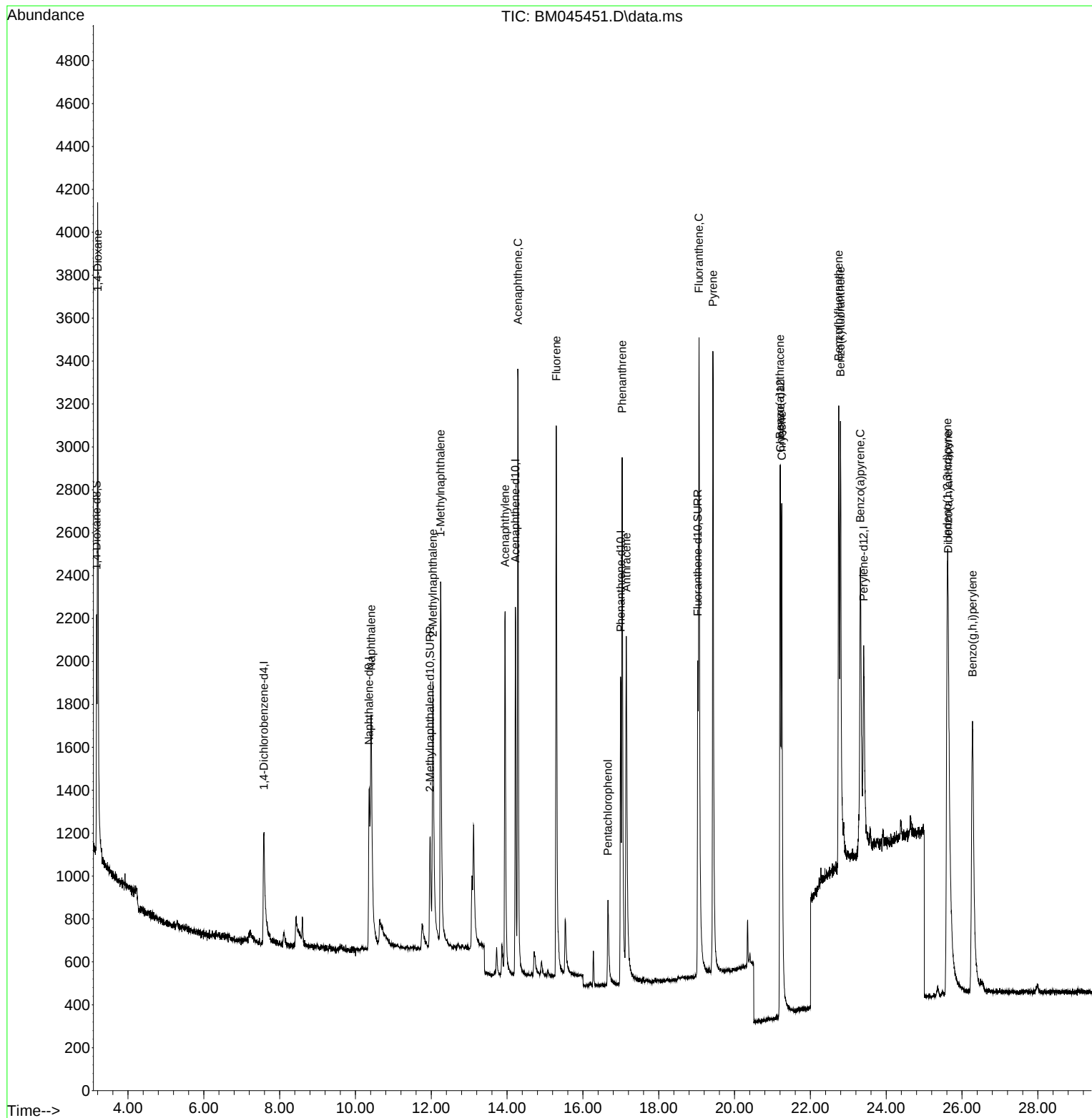
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.585	152	665	0.400	ng/ul	0.00
4) Naphthalene-d8	10.358	136	2041	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.219	164	1148	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.993	188	2300	0.400	ng/ul	-0.01
17) Chrysene-d12	21.208	240	1286	0.400	ng/ul	0.00
23) Perylene-d12	23.406	264	1574	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.171	96	800	0.898	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.969	152	1251	0.465	ng/ul	-0.01
18) Fluoranthene-d10	19.029	212	2296	0.567	ng/ul	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.201	88	2178	2.540	ng/ul#	82
5) Naphthalene	10.413	128	2529	0.461	ng/ul	98
7) 2-Methylnaphthalene	12.041	142	1571	0.502	ng/ul	99
8) 1-Methylnaphthalene	12.244	142	1673	0.477	ng/ul	97
10) Acenaphthylene	13.946	152	2757	0.487	ng/ul	98
11) Acenaphthene	14.284	153	2060	0.490	ng/ul	98
12) Fluorene	15.297	166	2291	0.509	ng/ul	97
14) Pentachlorophenol	16.659	266	454	0.990	ng/ul	91
15) Phenanthrene	17.035	178	3403	0.508	ng/ul	99
16) Anthracene	17.145	178	3196	0.510	ng/ul	97
19) Fluoranthene	19.062	202	3561	0.600	ng/ul	97
20) Pyrene	19.429	202	3623	0.594	ng/ul	98
21) Benzo(a)anthracene	21.199	228	2271	0.552	ng/ul	96
22) Chrysene	21.246	228	3358	0.531	ng/ul	99
24) Benzo(b)fluoranthene	22.748	252	3004	0.567	ng/ul	98
25) Benzo(k)fluoranthene	22.792	252	3732	0.558	ng/ul	98
26) Benzo(a)pyrene	23.318	252	3059	0.557	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	25.609	276	4426	0.555	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.635	278	3504	0.554	ng/ul	99
29) Benzo(g,h,i)perylene	26.276	276	3963	0.553	ng/ul	98

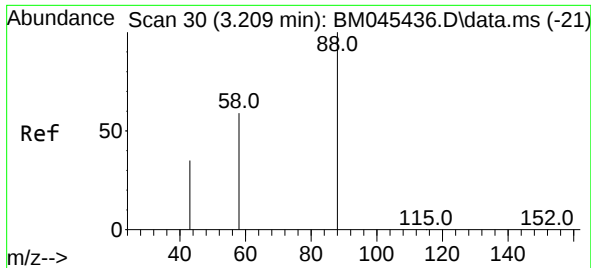
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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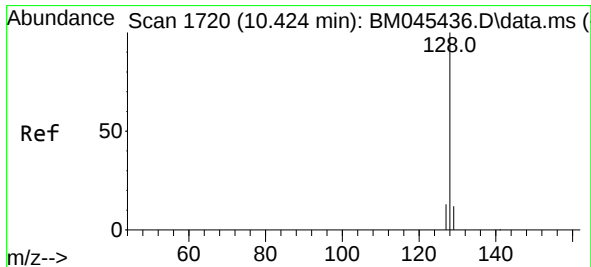
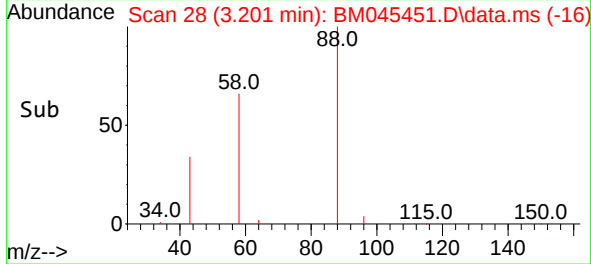
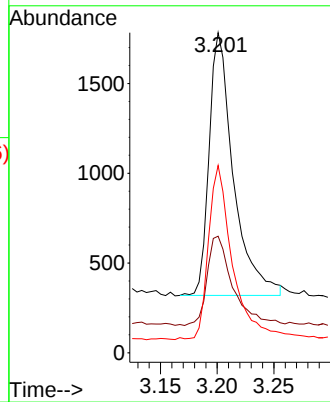
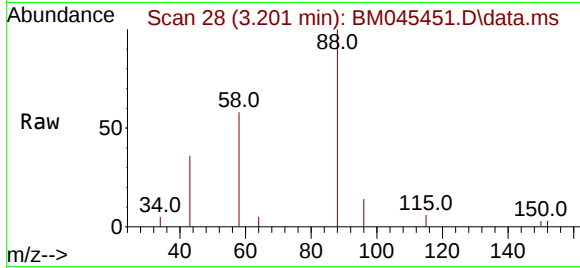




#2
1,4-Dioxane
Concen: 2.540 ng/ul
RT: 3.201 min Scan# 21
Delta R.T. -0.008 min
Lab File: BM045451.D
Acq: 21 Apr 2024 07:57

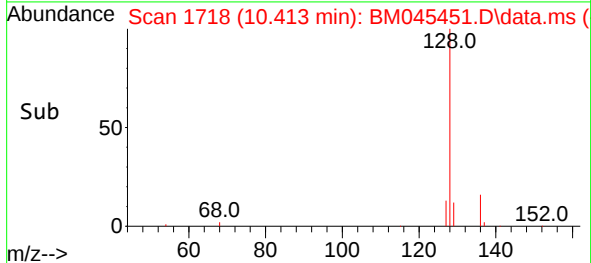
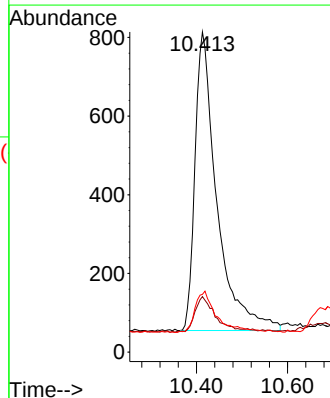
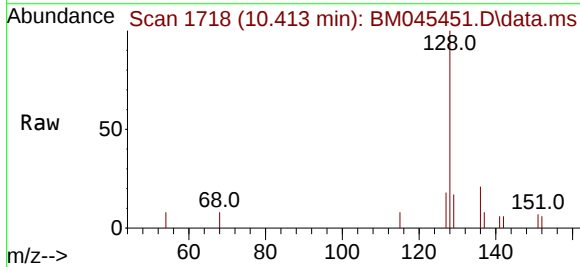
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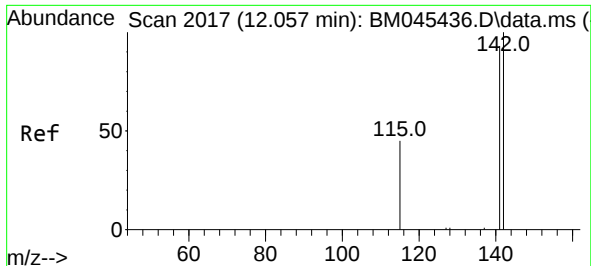
Tgt Ion: 88 Resp: 2178
Ion Ratio Lower Upper
88 100
43 36.4 36.8 55.2#
58 58.5 35.4 53.2#



#5
Naphthalene
Concen: 0.461 ng/ul
RT: 10.413 min Scan# 1718
Delta R.T. -0.011 min
Lab File: BM045451.D
Acq: 21 Apr 2024 07:57

Tgt Ion: 128 Resp: 2529
Ion Ratio Lower Upper
128 100
129 17.3 14.0 21.0
127 18.1 15.4 23.2

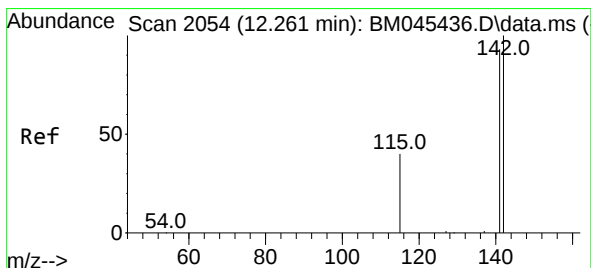
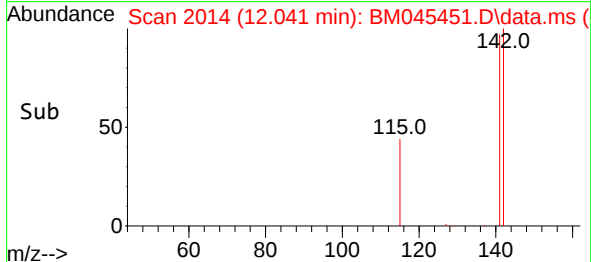
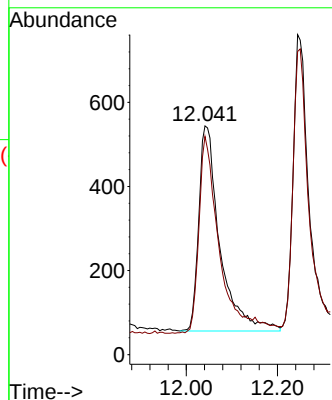
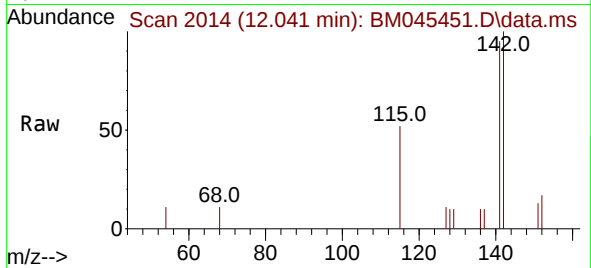




#7
2-Methylnaphthalene
Concen: 0.502 ng/ul
RT: 12.041 min Scan# 2014
Delta R.T. -0.022 min
Lab File: BM045451.D
Acq: 21 Apr 2024 07:57

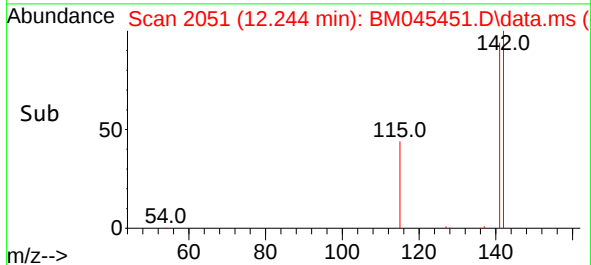
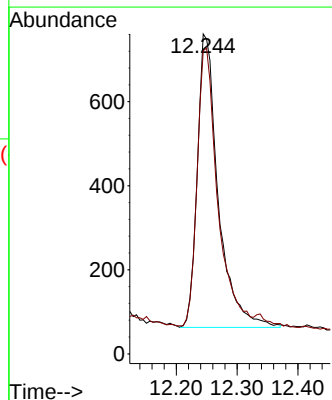
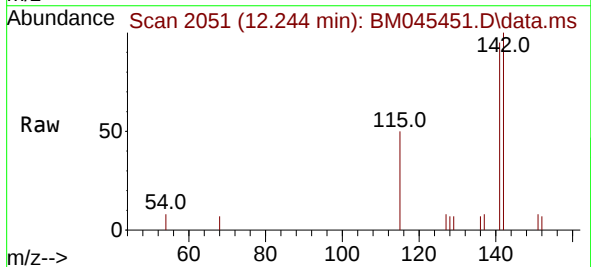
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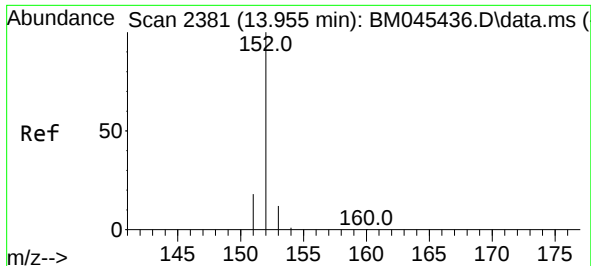
Tgt Ion:142 Resp: 1571
Ion Ratio Lower Upper
142 100
141 93.9 74.6 111.8



#8
1-Methylnaphthalene
Concen: 0.477 ng/ul
RT: 12.244 min Scan# 2051
Delta R.T. -0.016 min
Lab File: BM045451.D
Acq: 21 Apr 2024 07:57

Tgt Ion:142 Resp: 1673
Ion Ratio Lower Upper
142 100
141 92.3 76.1 114.1

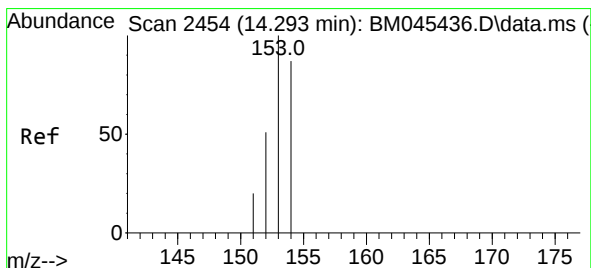
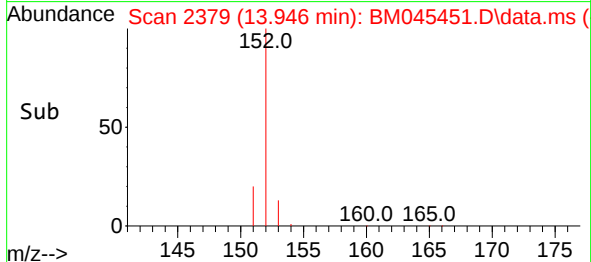
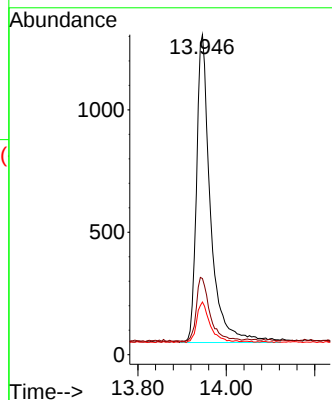
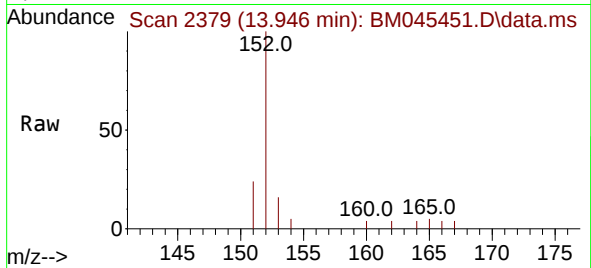




#10
Acenaphthylene
Concen: 0.487 ng/ul
RT: 13.946 min Scan# 21
Delta R.T. -0.014 min
Lab File: BM045451.D
Acq: 21 Apr 2024 07:57

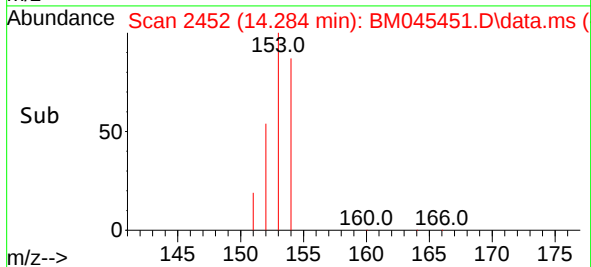
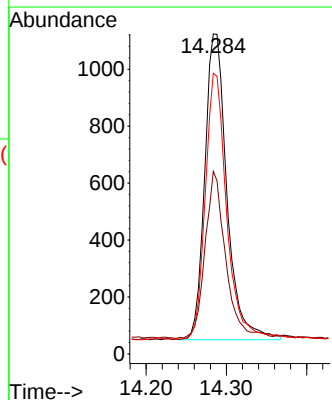
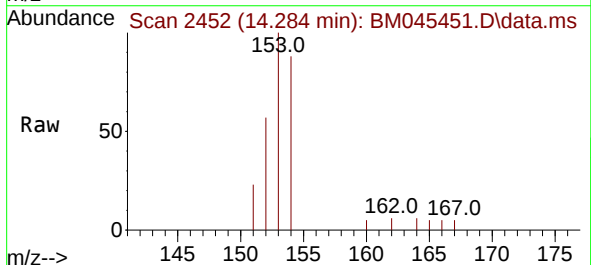
Instrument :
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ClientSampleId :
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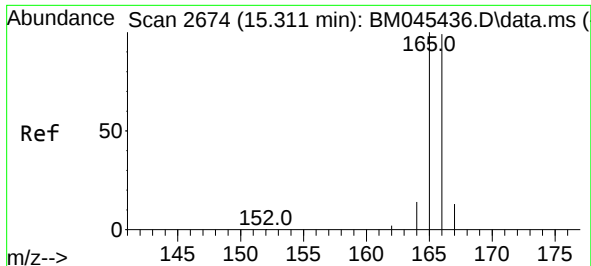
Tgt Ion:152 Resp: 2757
Ion Ratio Lower Upper
152 100
151 23.8 18.6 28.0
153 16.4 14.1 21.1



#11
Acenaphthene
Concen: 0.490 ng/ul
RT: 14.284 min Scan# 2452
Delta R.T. -0.009 min
Lab File: BM045451.D
Acq: 21 Apr 2024 07:57

Tgt Ion:153 Resp: 2060
Ion Ratio Lower Upper
153 100
152 57.0 43.4 65.2
154 87.7 69.0 103.6

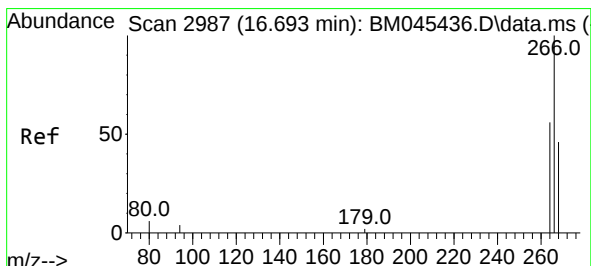
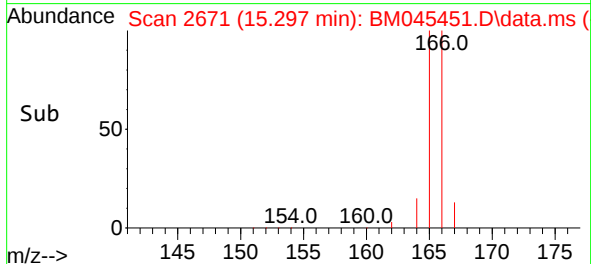
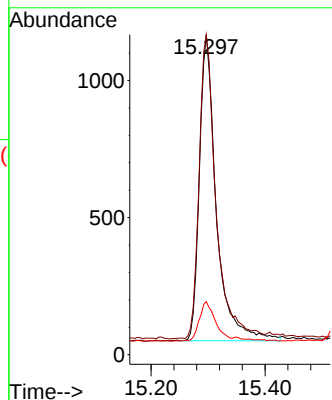
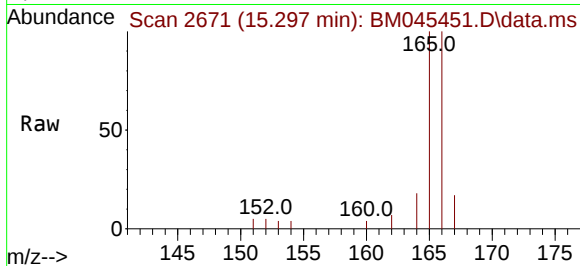




#12
 Fluorene
 Concen: 0.509 ng/ul
 RT: 15.297 min Scan# 21
 Delta R.T. -0.014 min
 Lab File: BM045451.D
 Acq: 21 Apr 2024 07:57

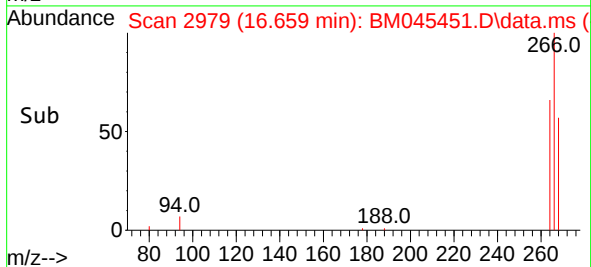
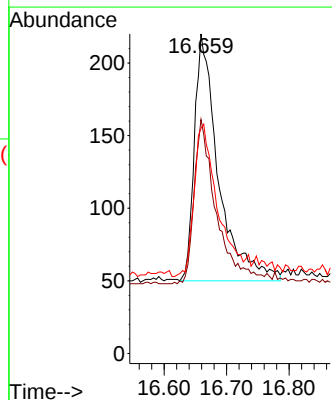
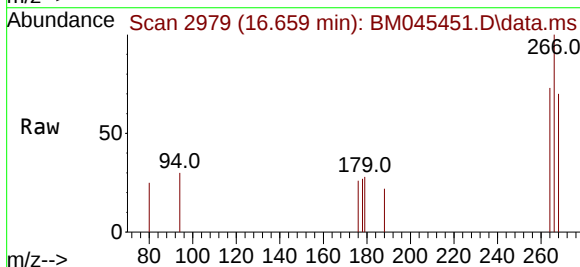
Instrument :
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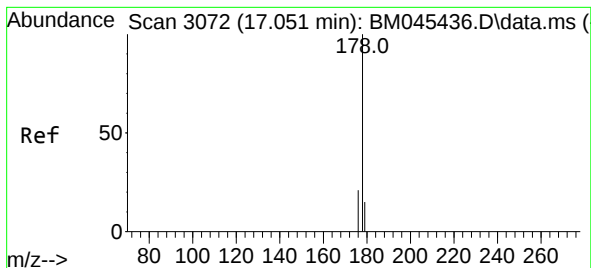
Tgt Ion:	166	Resp:	2291
Ion	Ratio	Lower	Upper
166	100		
165	100.2	82.2	123.2
167	16.7	14.8	22.2



#14
 Pentachlorophenol
 Concen: 0.990 ng/ul
 RT: 16.659 min Scan# 2979
 Delta R.T. -0.025 min
 Lab File: BM045451.D
 Acq: 21 Apr 2024 07:57

Tgt Ion:	266	Resp:	454
Ion	Ratio	Lower	Upper
266	100		
264	62.3	45.5	68.3
268	62.1	56.1	84.1





#15

Phenanthrene

Concen: 0.508 ng/ul

RT: 17.035 min Scan# 3068

Delta R.T. -0.017 min

Lab File: BM045451.D

Acq: 21 Apr 2024 07:57

Instrument :

BNA_M

ClientSampleId :

SLCS406

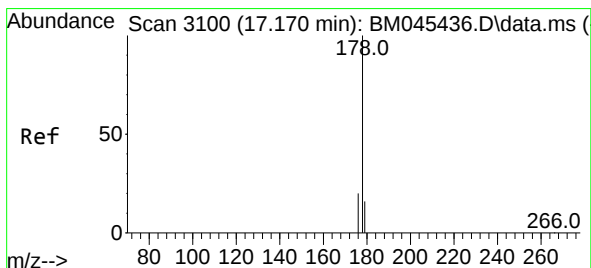
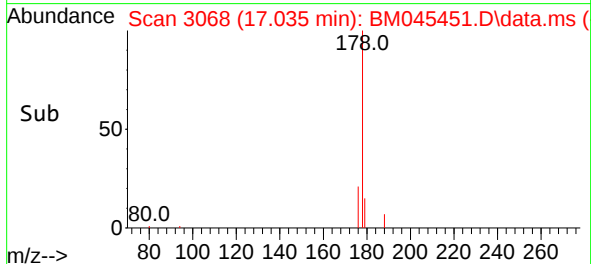
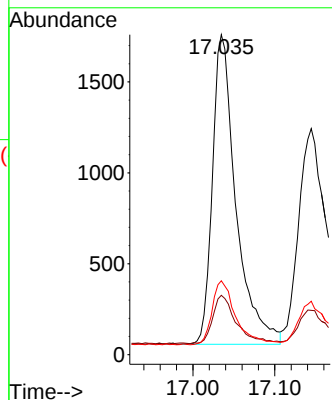
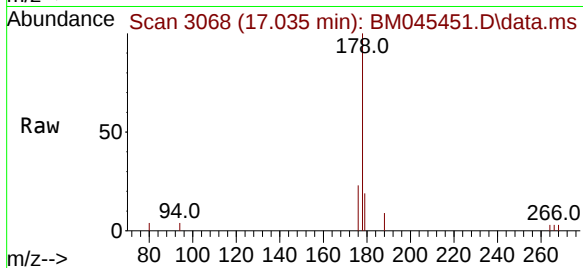
Tgt Ion:178 Resp: 3403

Ion Ratio Lower Upper

178 100

179 18.5 15.4 23.2

176 23.1 19.0 28.4



#16

Anthracene

Concen: 0.510 ng/ul

RT: 17.145 min Scan# 3094

Delta R.T. -0.017 min

Lab File: BM045451.D

Acq: 21 Apr 2024 07:57

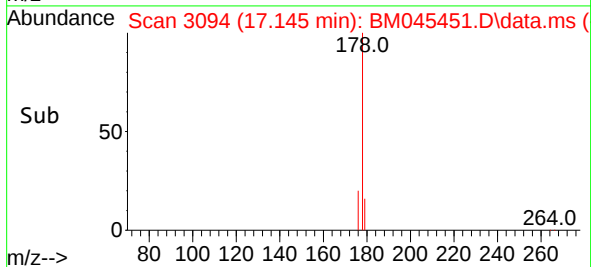
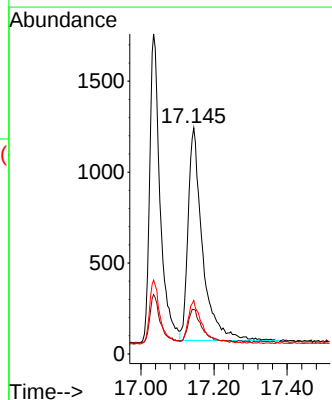
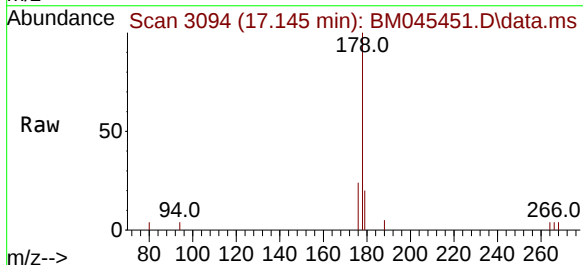
Tgt Ion:178 Resp: 3196

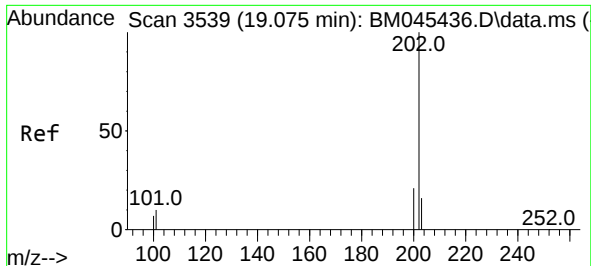
Ion Ratio Lower Upper

178 100

179 19.6 17.8 26.6

176 23.7 18.7 28.1

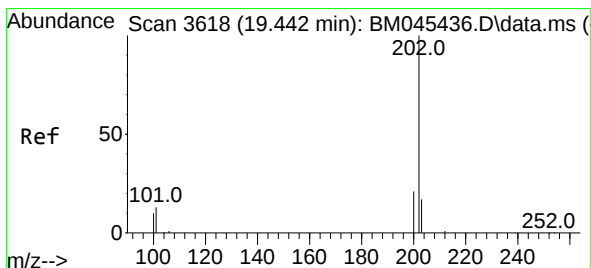
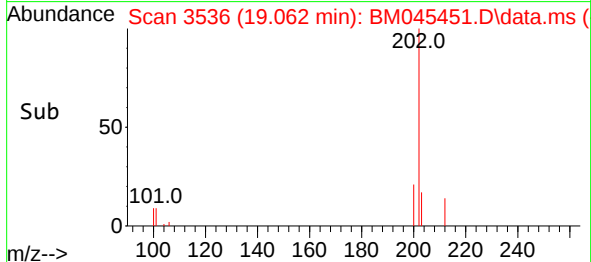
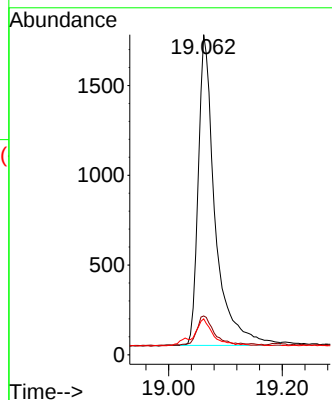
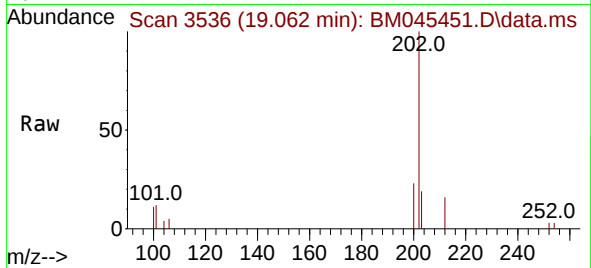




#19
Fluoranthene
Concen: 0.600 ng/ul
RT: 19.062 min Scan# 3536
Delta R.T. -0.014 min
Lab File: BM045451.D
Acq: 21 Apr 2024 07:57

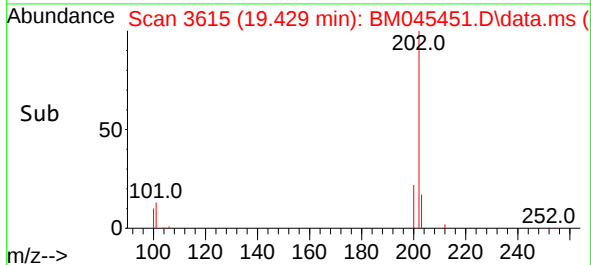
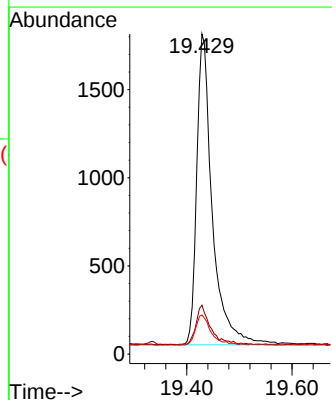
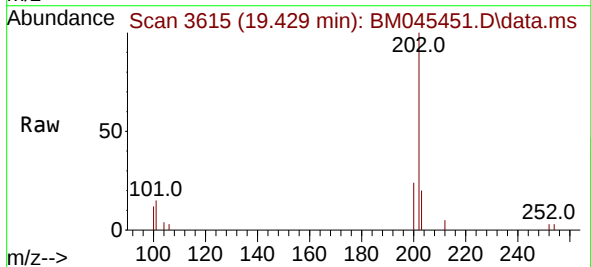
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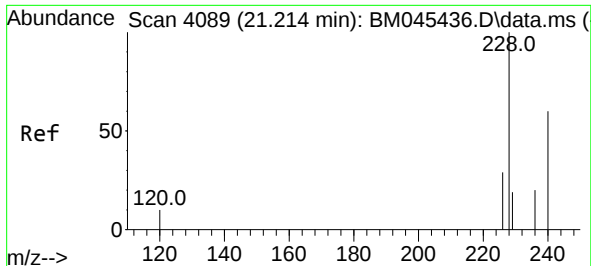
Tgt Ion:202 Resp: 3561
Ion Ratio Lower Upper
202 100
101 12.1 11.2 16.8
100 11.2 9.1 13.7



#20
Pyrene
Concen: 0.594 ng/ul
RT: 19.429 min Scan# 3615
Delta R.T. -0.014 min
Lab File: BM045451.D
Acq: 21 Apr 2024 07:57

Tgt Ion:202 Resp: 3623
Ion Ratio Lower Upper
202 100
101 15.3 11.5 17.3
100 12.2 10.6 15.8

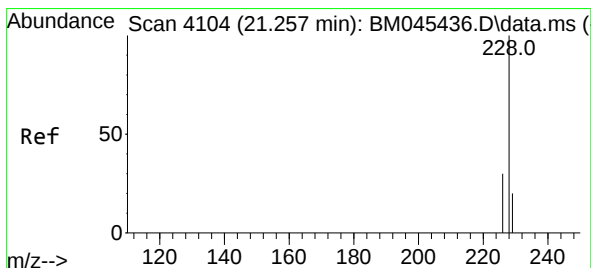
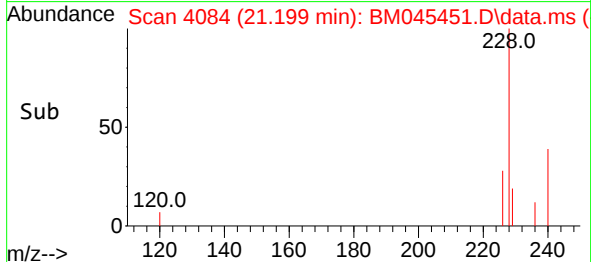
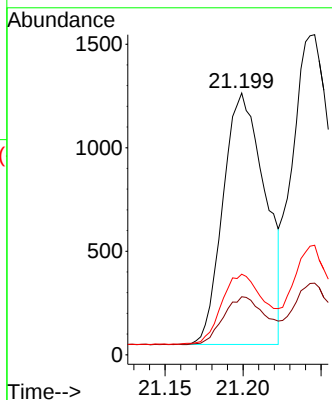
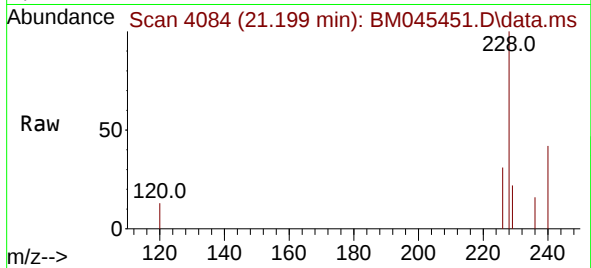




#21
Benzo(a)anthracene
Concen: 0.552 ng/ul
RT: 21.199 min Scan# 4084
Delta R.T. -0.009 min
Lab File: BM045451.D
Acq: 21 Apr 2024 07:57

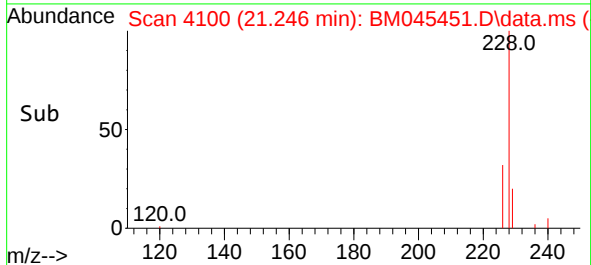
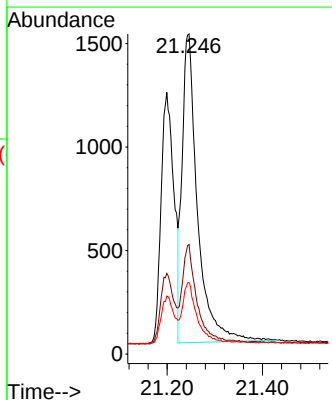
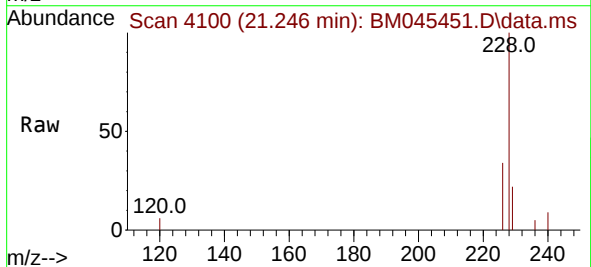
Instrument :
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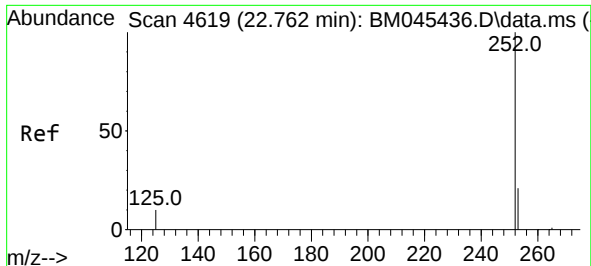
Tgt Ion:228	Resp:	2271
Ion	Ratio	Lower Upper
228	100	
229	22.2	19.4 29.2
226	30.8	26.3 39.5



#22
Chrysene
Concen: 0.531 ng/ul
RT: 21.246 min Scan# 4100
Delta R.T. -0.009 min
Lab File: BM045451.D
Acq: 21 Apr 2024 07:57

Tgt Ion:228	Resp:	3358
Ion	Ratio	Lower Upper
228	100	
226	34.2	26.3 39.5
229	22.4	17.8 26.8

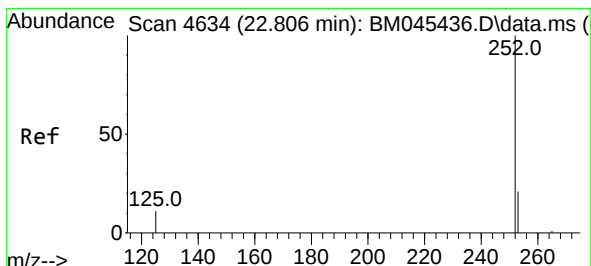
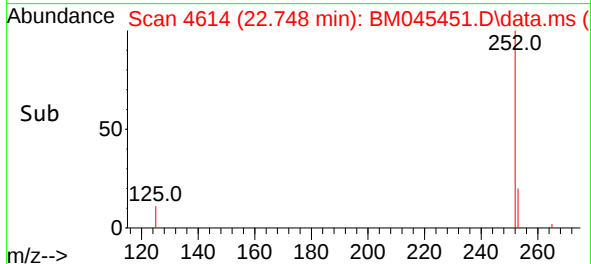
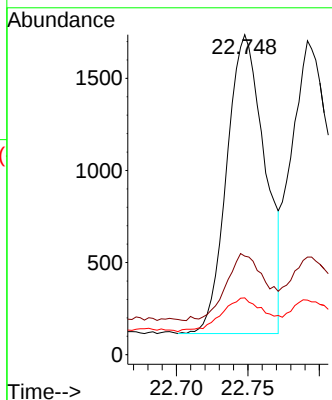
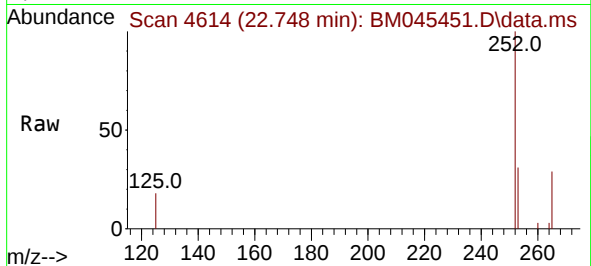




#24
Benzo(b)fluoranthene
Concen: 0.567 ng/ul
RT: 22.748 min Scan# 4614
Delta R.T. -0.011 min
Lab File: BM045451.D
Acq: 21 Apr 2024 07:57

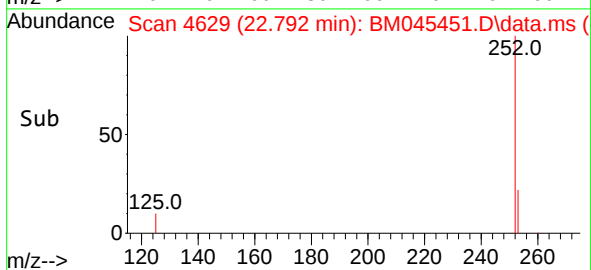
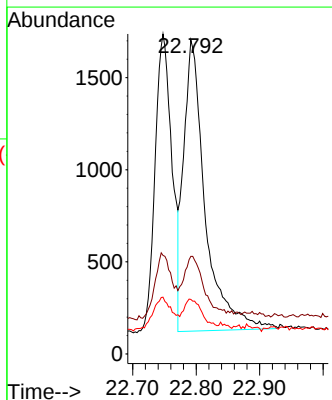
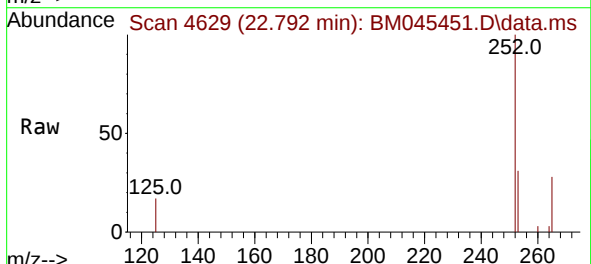
Instrument :
BNA_M
ClientSampleId :
SLCS406

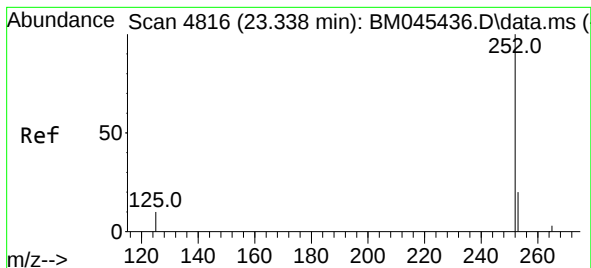
Tgt Ion:252 Resp: 3004
Ion Ratio Lower Upper
252 100
253 30.8 0.0 63.4
125 17.7 0.0 36.8



#25
Benzo(k)fluoranthene
Concen: 0.558 ng/ul
RT: 22.792 min Scan# 4629
Delta R.T. -0.011 min
Lab File: BM045451.D
Acq: 21 Apr 2024 07:57

Tgt Ion:252 Resp: 3732
Ion Ratio Lower Upper
252 100
253 31.1 25.4 38.0
125 17.4 14.8 22.2





#26

Benzo(a)pyrene

Concen: 0.557 ng/ul

RT: 23.318 min Scan# 4809

Delta R.T. -0.011 min

Lab File: BM045451.D

Acq: 21 Apr 2024 07:57

Instrument :

BNA_M

ClientSampleId :

SLCS406

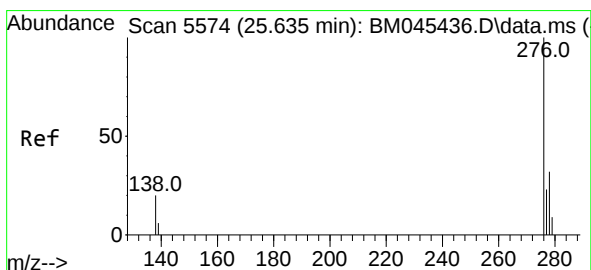
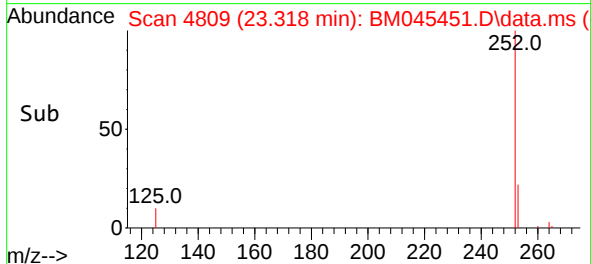
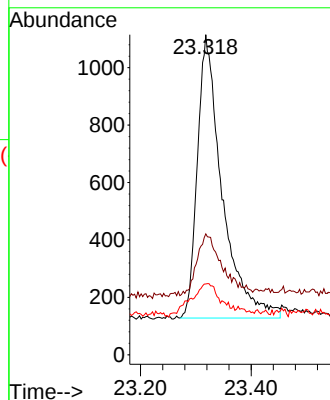
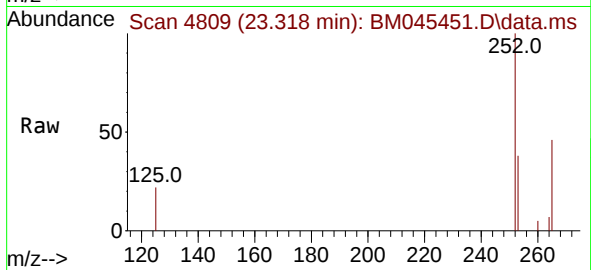
Tgt Ion:252 Resp: 3059

Ion Ratio Lower Upper

252 100

253 37.8 31.6 47.4

125 22.2 19.5 29.3



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.555 ng/ul

RT: 25.609 min Scan# 5566

Delta R.T. -0.020 min

Lab File: BM045451.D

Acq: 21 Apr 2024 07:57

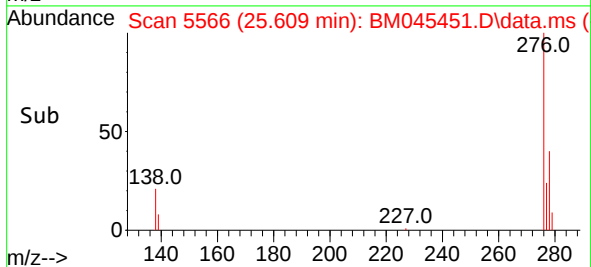
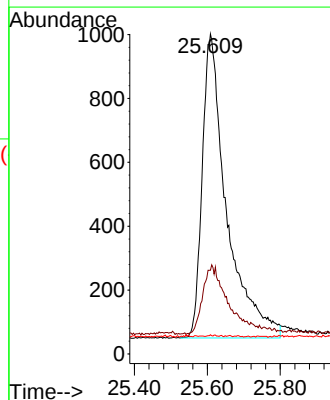
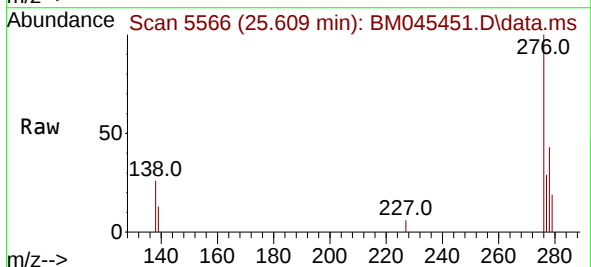
Tgt Ion:276 Resp: 4426

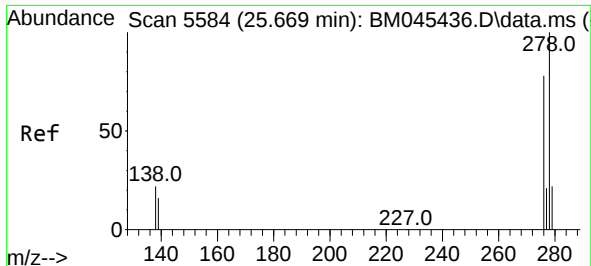
Ion Ratio Lower Upper

276 100

138 25.0 19.8 29.6

227 0.1 0.2 0.2#

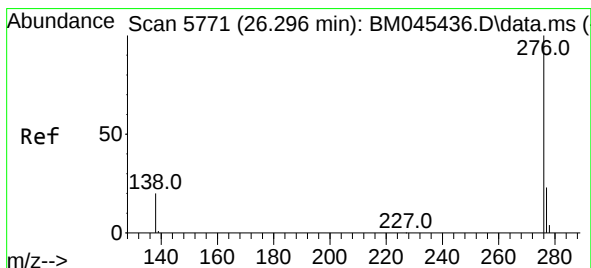
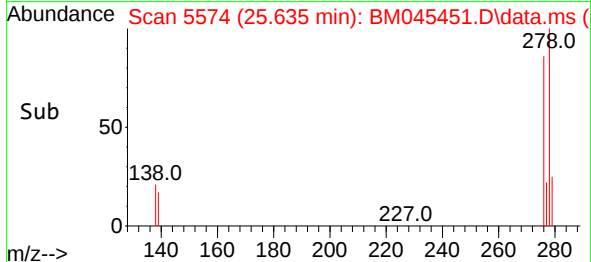
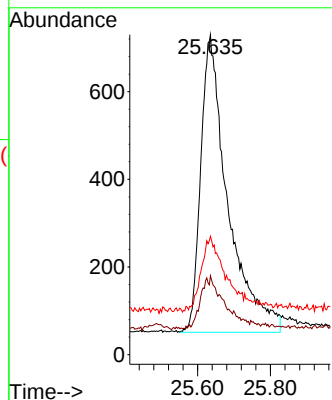
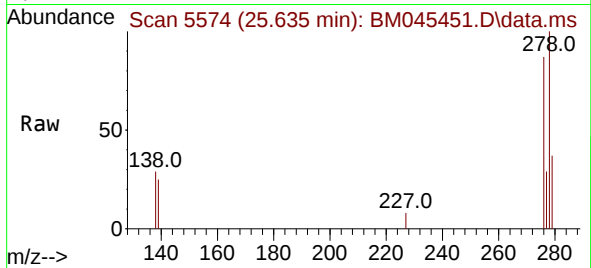




#28
Dibenzo(a,h)anthracene
Concen: 0.554 ng/ul
RT: 25.635 min Scan# 51
Delta R.T. -0.020 min
Lab File: BM045451.D
Acq: 21 Apr 2024 07:57

Instrument :
BNA_M
ClientSampleId :
SLCS406

Tgt Ion:278 Resp: 3504
Ion Ratio Lower Upper
278 100
139 24.7 19.0 28.6
279 37.0 29.4 44.2



#29
Benzo(g,h,i)perylene
Concen: 0.553 ng/ul
RT: 26.276 min Scan# 5765
Delta R.T. -0.017 min
Lab File: BM045451.D
Acq: 21 Apr 2024 07:57

Tgt Ion:276 Resp: 3963
Ion Ratio Lower Upper
276 100
138 27.2 20.8 31.2
277 28.6 21.8 32.8

