

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022124\
 Data File : BM044257.D
 Acq On : 23 Feb 2024 02:03
 Operator : MA/JU
 Sample : PB159101BS
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS101

Quant Time: Feb 23 02:37:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 15 13:40:24 2024
 Response via : Initial Calibration

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

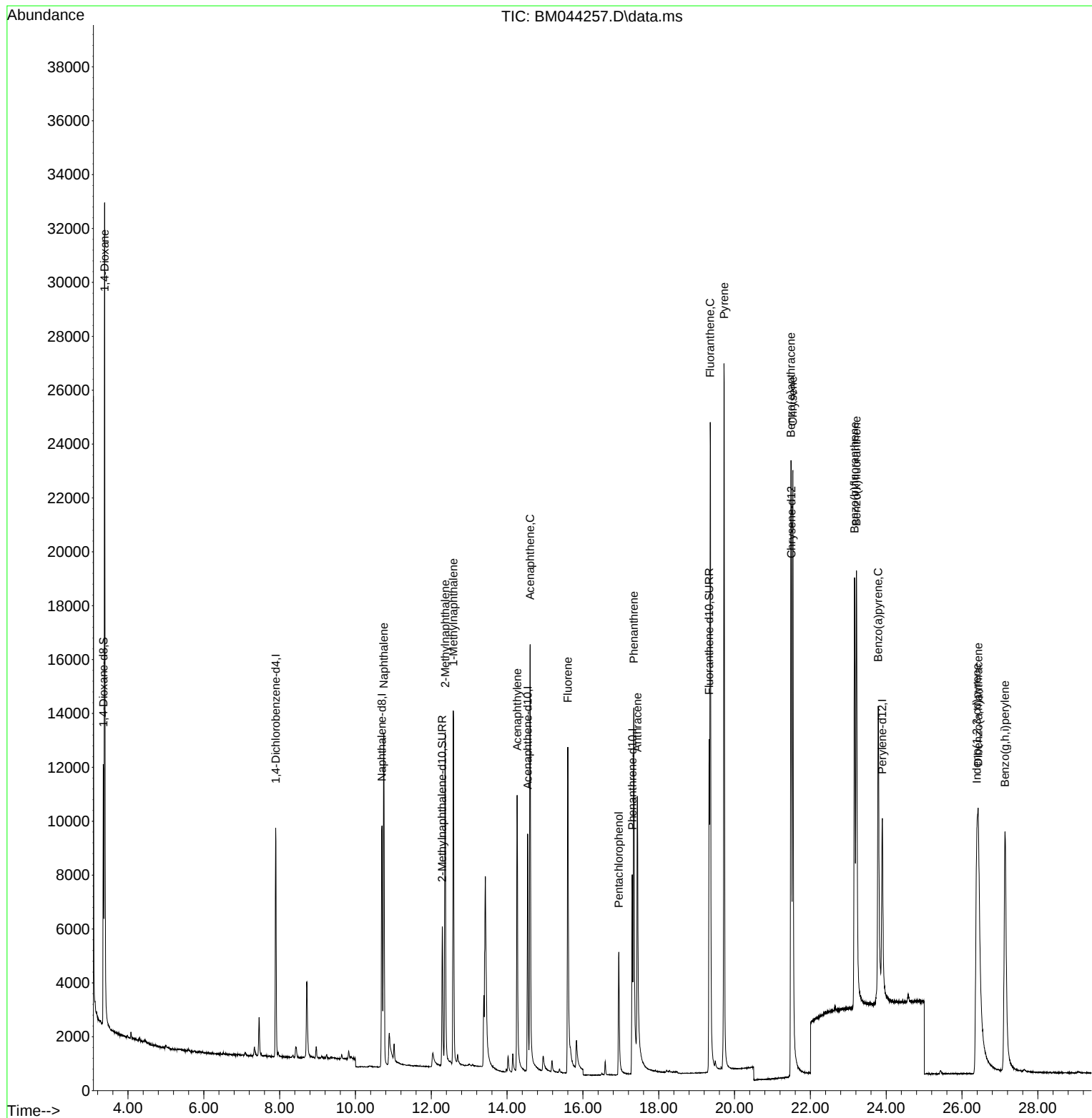
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.896	152	4440	0.400	ng/ul	0.00
4) Naphthalene-d8	10.699	136	12931	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.543	164	5522	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.301	188	11604	0.400	ng/ul	0.00
17) Chrysene-d12	21.500	240	10137	0.400	ng/ul	0.00
23) Perylene-d12	23.897	264	11603	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.352	96	5802	0.923	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.288	152	7984	0.441	ng/ul	-0.01
18) Fluoranthene-d10	19.331	212	15248	0.504	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.382	88	18261	2.906	ng/ul#	73
5) Naphthalene	10.749	128	18030	0.469	ng/ul	99
7) 2-Methylnaphthalene	12.365	142	10363	0.437	ng/ul	98
8) 1-Methylnaphthalene	12.580	142	10304	0.430	ng/ul	99
10) Acenaphthylene	14.265	152	15152	0.499	ng/ul	99
11) Acenaphthene	14.607	153	10715	0.487	ng/ul	99
12) Fluorene	15.602	166	11256	0.454	ng/ul	99
14) Pentachlorophenol	16.946	266	4035	0.971	ng/ul	98
15) Phenanthrene	17.343	178	17904	0.487	ng/ul	99
16) Anthracene	17.436	178	18653	0.513	ng/ul	99
19) Fluoranthene	19.359	202	23176	0.501	ng/ul	96
20) Pyrene	19.721	202	24585	0.506	ng/ul	96
21) Benzo(a)anthracene	21.485	228	21198	0.457	ng/ul	100
22) Chrysene	21.538	228	25763	0.515	ng/ul	99
24) Benzo(b)fluoranthene	23.166	252	23802	0.497	ng/ul	98
25) Benzo(k)fluoranthene	23.216	252	27451	0.528	ng/ul	99
26) Benzo(a)pyrene	23.789	252	22227	0.499	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.390	276	26758	0.472	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.427	278	20853	0.467	ng/ul	96
29) Benzo(g,h,i)perylene	27.134	276	24342	0.486	ng/ul	98

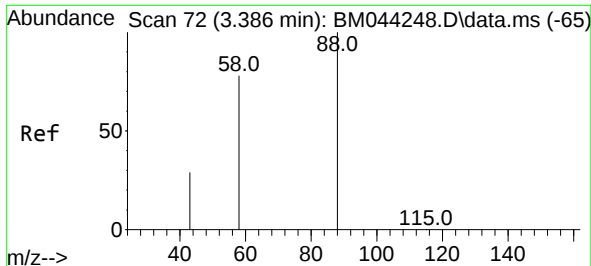
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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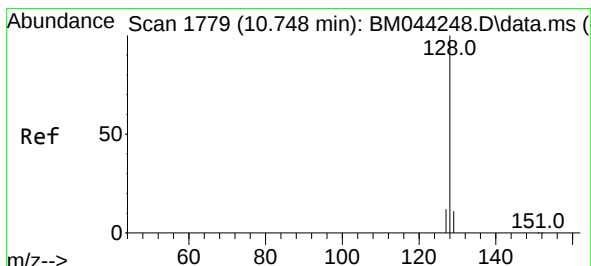
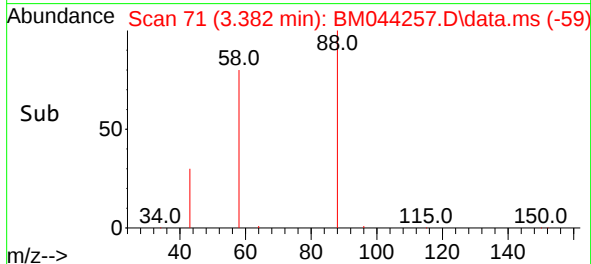
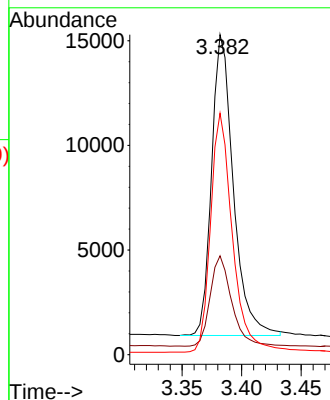
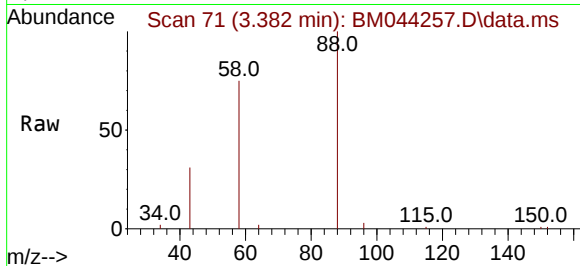




#2
1,4-Dioxane
Concen: 2.906 ng/ul
RT: 3.382 min Scan# 71
Delta R.T. -0.008 min
Lab File: BM044257.D
Acq: 23 Feb 2024 02:03

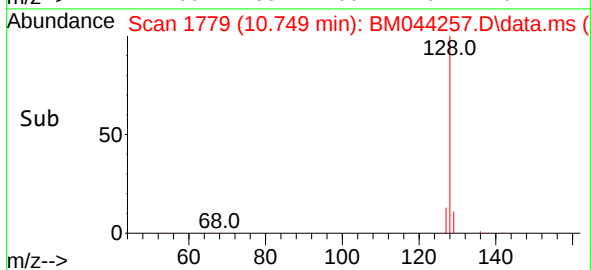
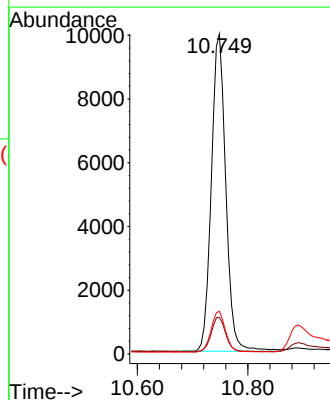
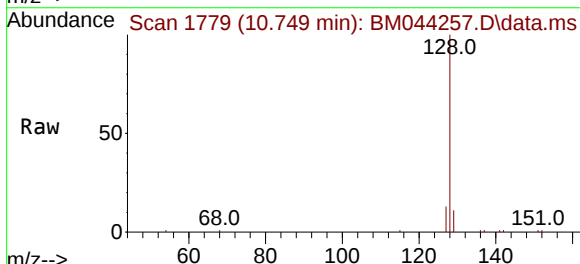
Instrument :
BNA_M
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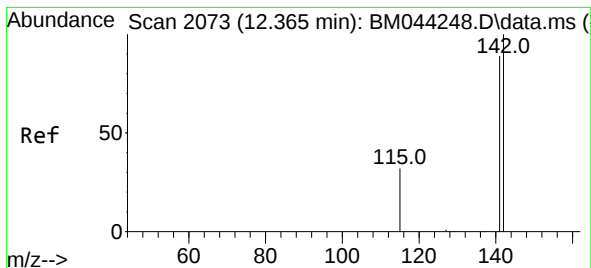
Tgt Ion: 88 Resp: 18261
Ion Ratio Lower Upper
88 100
43 30.9 32.2 48.2#
58 75.4 40.6 60.8#



#5
Naphthalene
Concen: 0.469 ng/ul
RT: 10.749 min Scan# 1779
Delta R.T. -0.005 min
Lab File: BM044257.D
Acq: 23 Feb 2024 02:03

Tgt Ion:128 Resp: 18030
Ion Ratio Lower Upper
128 100
129 11.4 9.5 14.3
127 13.4 10.7 16.1

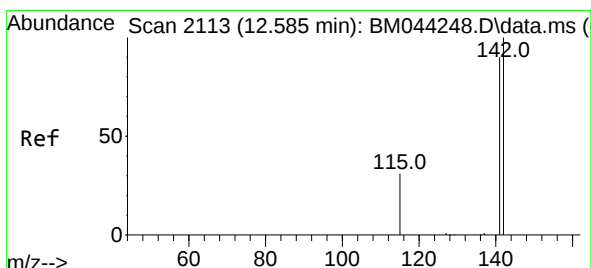
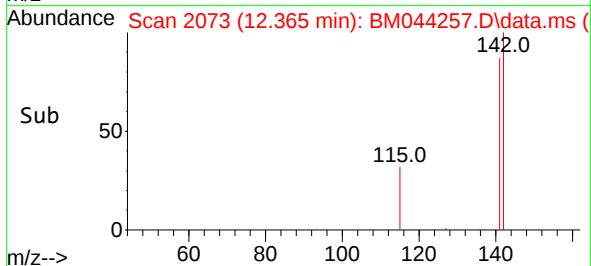
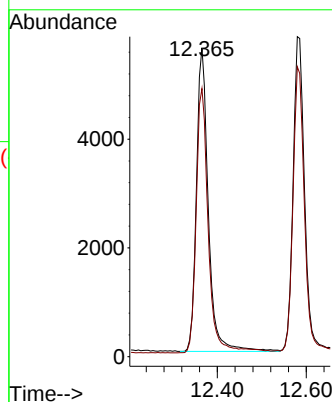
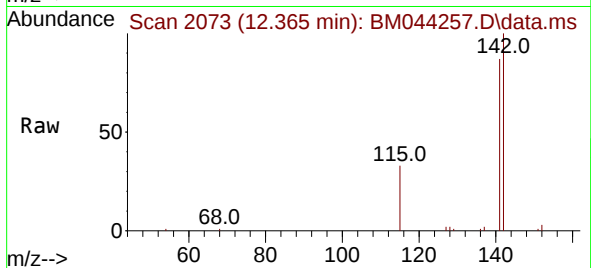




#7
2-Methylnaphthalene
Concen: 0.437 ng/ul
RT: 12.365 min Scan# 2073
Delta R.T. -0.005 min
Lab File: BM044257.D
Acq: 23 Feb 2024 02:03

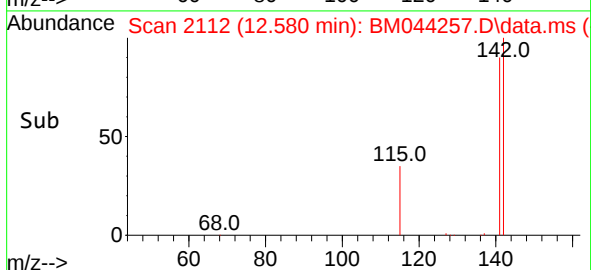
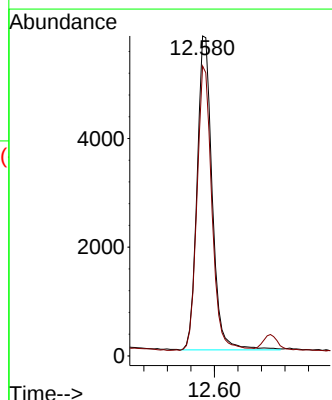
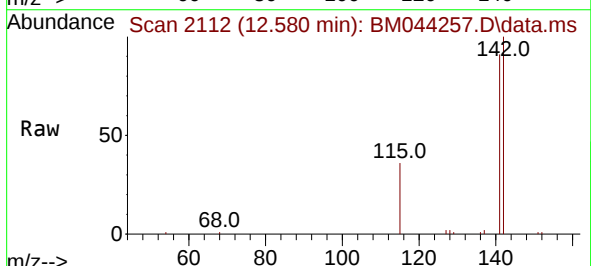
Instrument :
BNA_M
ClientSampleId :
SLCS101

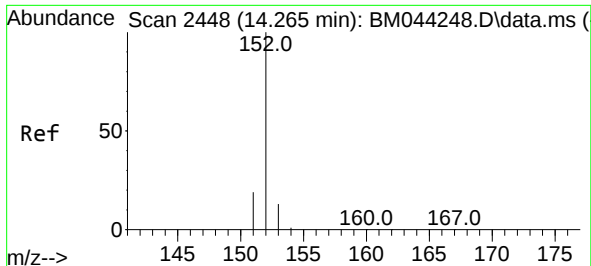
Tgt Ion:142 Resp: 10363
Ion Ratio Lower Upper
142 100
141 89.7 70.0 105.0



#8
1-Methylnaphthalene
Concen: 0.430 ng/ul
RT: 12.580 min Scan# 2112
Delta R.T. -0.011 min
Lab File: BM044257.D
Acq: 23 Feb 2024 02:03

Tgt Ion:142 Resp: 10304
Ion Ratio Lower Upper
142 100
141 89.2 72.5 108.7

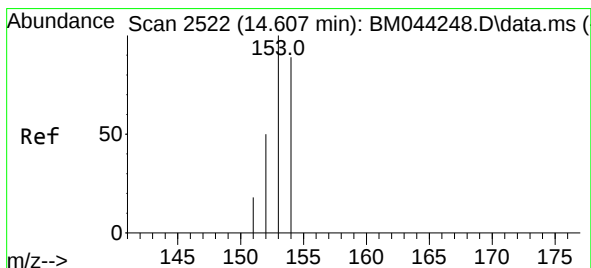
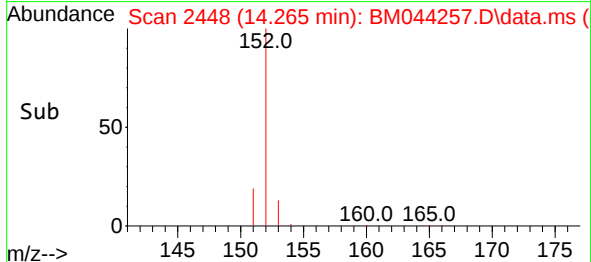
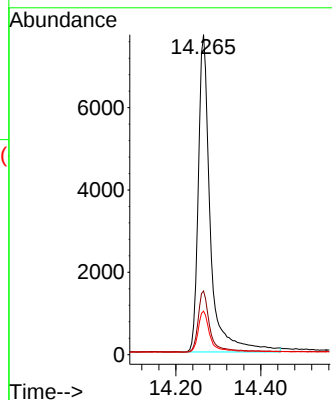
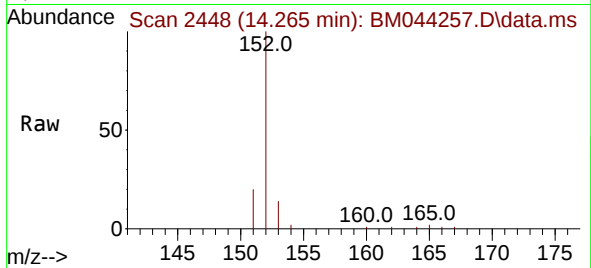




#10
Acenaphthylene
Concen: 0.499 ng/ul
RT: 14.265 min Scan# 2448
Delta R.T. -0.004 min
Lab File: BM044257.D
Acq: 23 Feb 2024 02:03

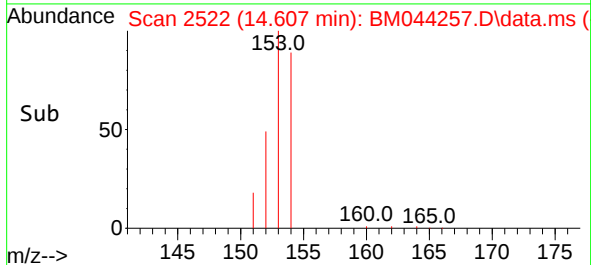
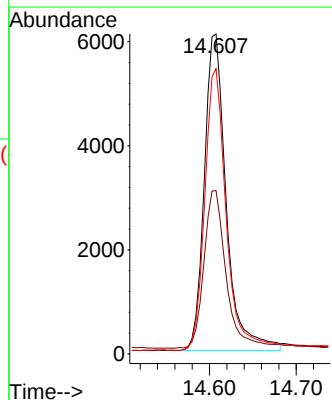
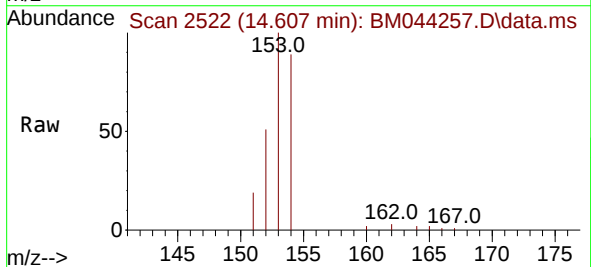
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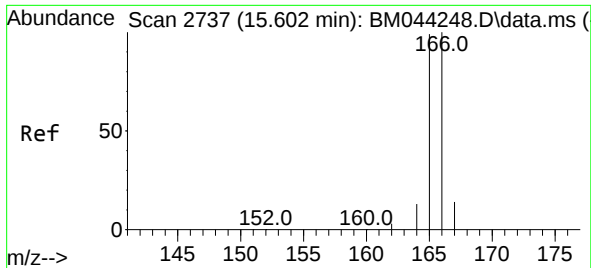
Tgt Ion:152	Resp:	15152
Ion Ratio	Lower	Upper
152	100	
151	19.9	15.5 23.3
153	13.6	10.8 16.2



#11
Acenaphthene
Concen: 0.487 ng/ul
RT: 14.607 min Scan# 2522
Delta R.T. 0.000 min
Lab File: BM044257.D
Acq: 23 Feb 2024 02:03

Tgt Ion:153	Resp:	10715
Ion Ratio	Lower	Upper
153	100	
152	51.0	40.6 61.0
154	89.1	70.1 105.1

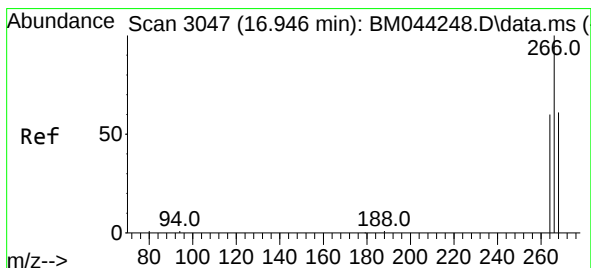
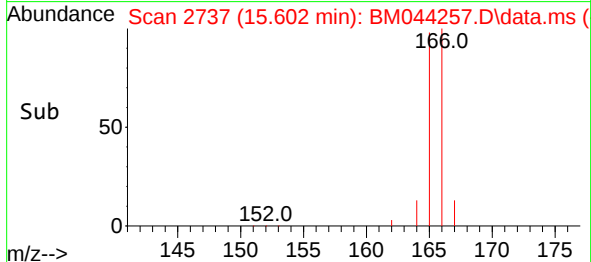
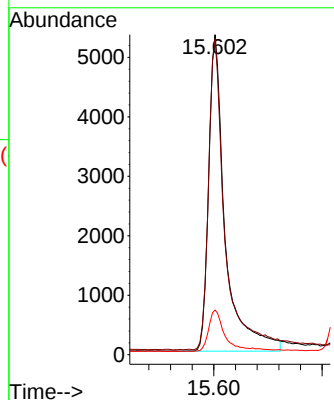
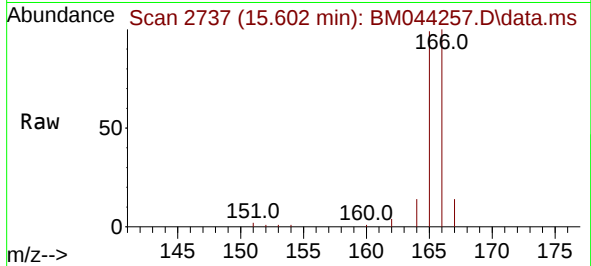




#12
 Fluorene
 Concen: 0.454 ng/ul
 RT: 15.602 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: BM044257.D
 Acq: 23 Feb 2024 02:03

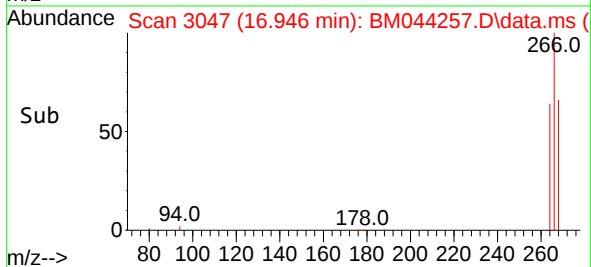
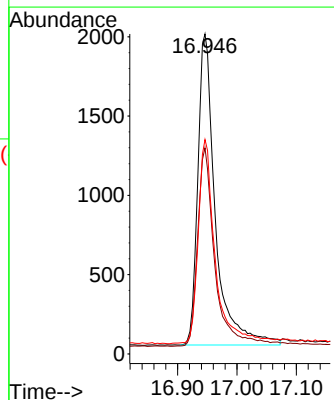
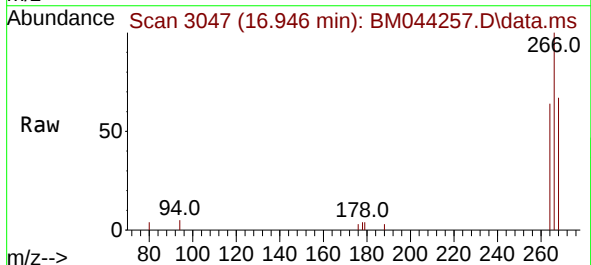
Instrument :
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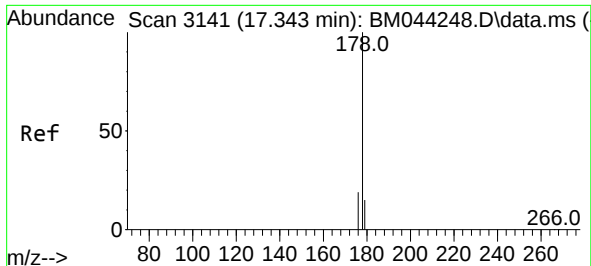
Tgt Ion:166 Resp: 11256
 Ion Ratio Lower Upper
 166 100
 165 98.8 79.8 119.6
 167 14.0 11.1 16.7



#14
 Pentachlorophenol
 Concen: 0.971 ng/ul
 RT: 16.946 min Scan# 3047
 Delta R.T. 0.000 min
 Lab File: BM044257.D
 Acq: 23 Feb 2024 02:03

Tgt Ion:266 Resp: 4035
 Ion Ratio Lower Upper
 266 100
 264 64.3 49.4 74.0
 268 66.3 52.1 78.1

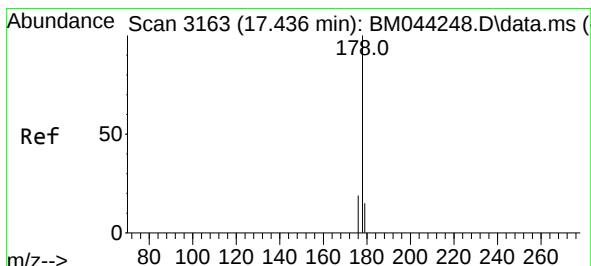
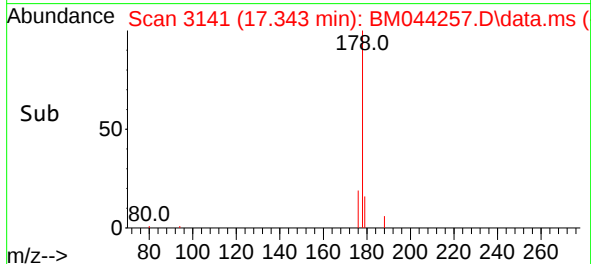
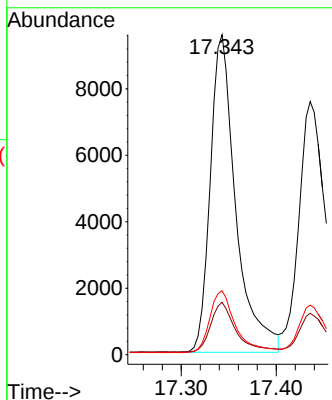
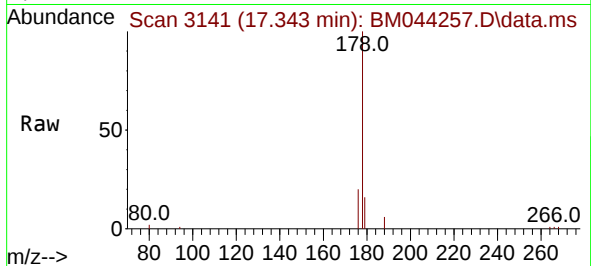




#15
Phenanthrene
Concen: 0.487 ng/u1
RT: 17.343 min Scan# 3141
Delta R.T. 0.004 min
Lab File: BM044257.D
Acq: 23 Feb 2024 02:03

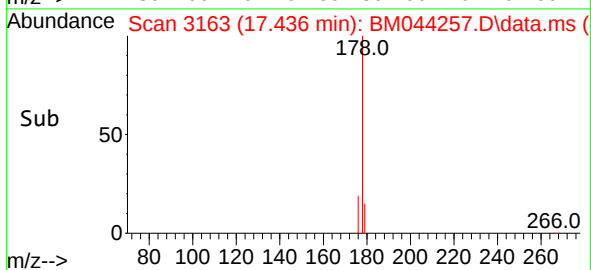
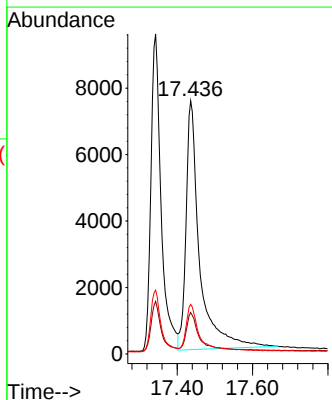
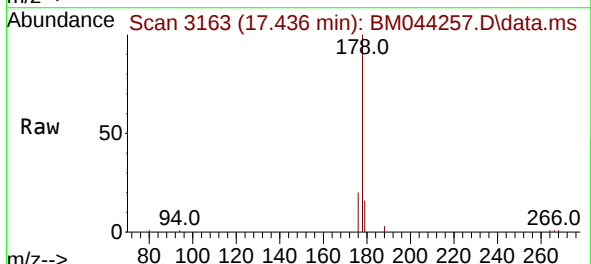
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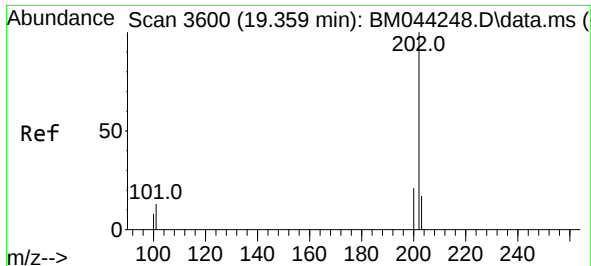
Tgt Ion:	178	Resp:	17904
Ion Ratio	Lower	Upper	
178	100		
179	16.4	12.6	19.0
176	19.9	16.0	24.0



#16
Anthracene
Concen: 0.513 ng/u1
RT: 17.436 min Scan# 3163
Delta R.T. 0.000 min
Lab File: BM044257.D
Acq: 23 Feb 2024 02:03

Tgt Ion:	178	Resp:	18653
Ion Ratio	Lower	Upper	
178	100		
179	16.4	12.8	19.2
176	19.6	15.3	22.9

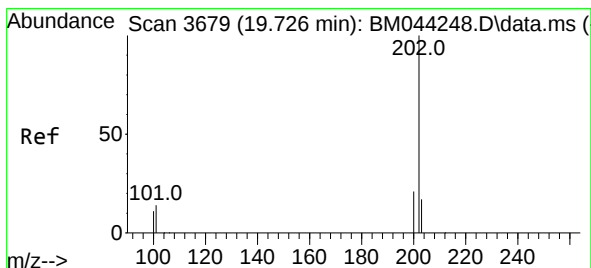
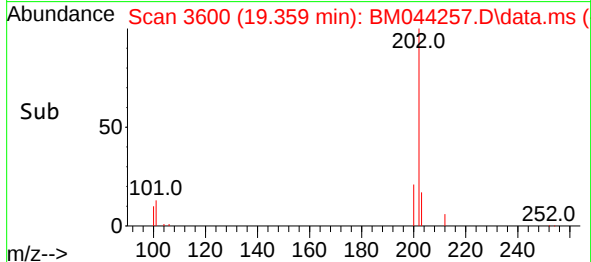
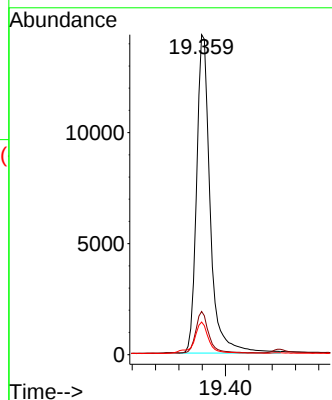
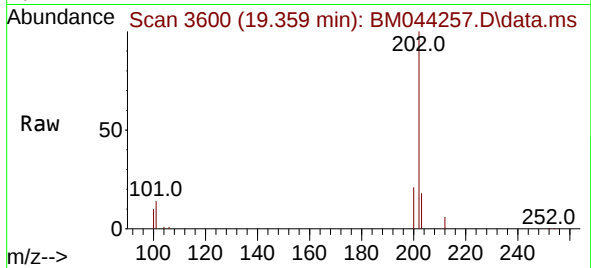




#19
Fluoranthene
Concen: 0.501 ng/u1
RT: 19.359 min Scan# 3600
Delta R.T. -0.004 min
Lab File: BM044257.D
Acq: 23 Feb 2024 02:03

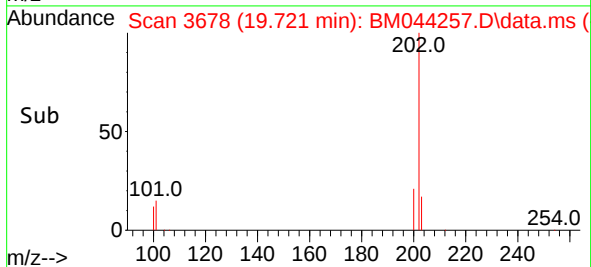
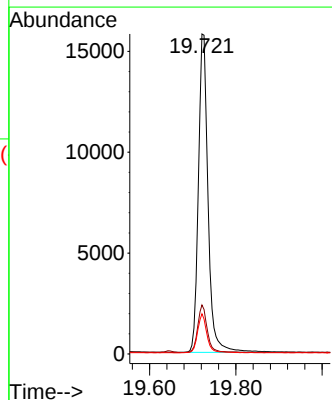
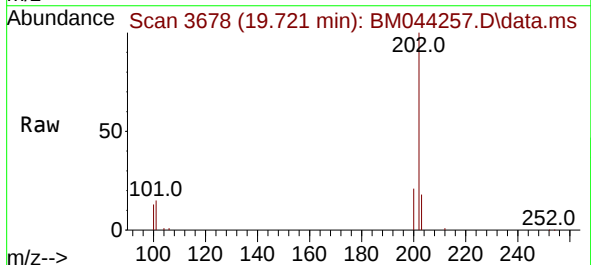
Instrument :
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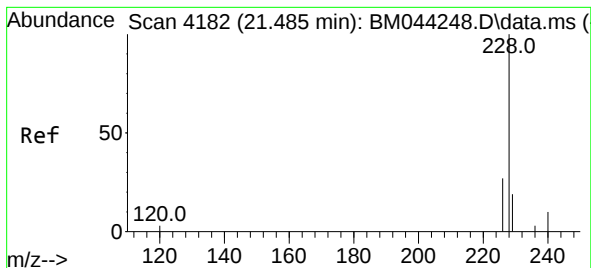
Tgt Ion:202 Resp: 23176
Ion Ratio Lower Upper
202 100
101 13.5 9.8 14.6
100 10.2 7.0 10.4



#20
Pyrene
Concen: 0.506 ng/u1
RT: 19.721 min Scan# 3678
Delta R.T. -0.004 min
Lab File: BM044257.D
Acq: 23 Feb 2024 02:03

Tgt Ion:202 Resp: 24585
Ion Ratio Lower Upper
202 100
101 15.3 11.2 16.8
100 12.5 8.6 13.0





#21

Benzo(a)anthracene

Concen: 0.457 ng/ul

RT: 21.485 min Scan# 41

Delta R.T. 0.000 min

Lab File: BM044257.D

Acq: 23 Feb 2024 02:03

Instrument :

BNA_M

ClientSampleId :

SLCS101

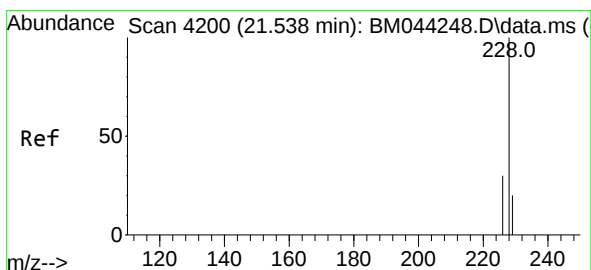
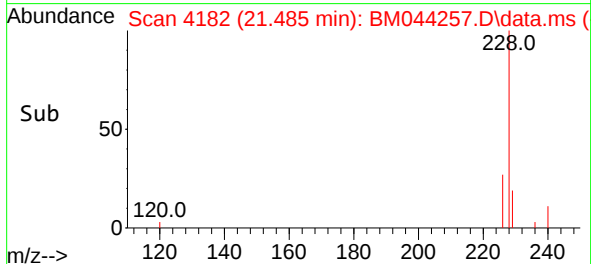
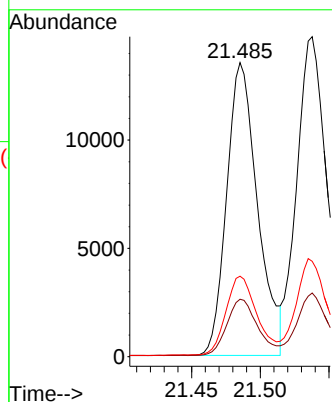
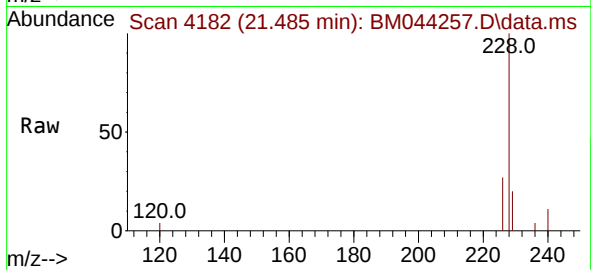
Tgt Ion:228 Resp: 21198

Ion Ratio Lower Upper

228 100

229 19.5 15.4 23.2

226 27.4 22.1 33.1



#22

Chrysene

Concen: 0.515 ng/ul

RT: 21.538 min Scan# 4200

Delta R.T. 0.000 min

Lab File: BM044257.D

Acq: 23 Feb 2024 02:03

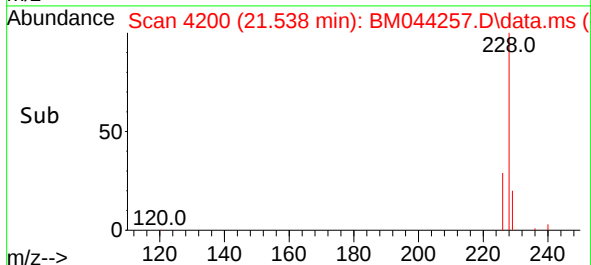
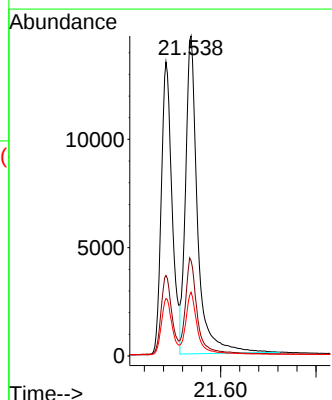
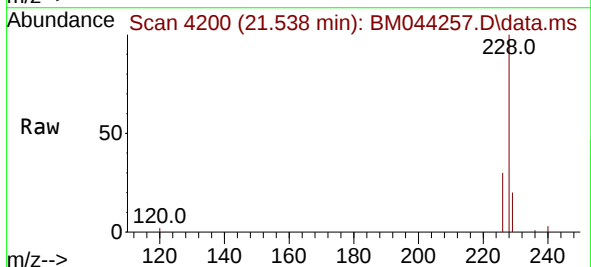
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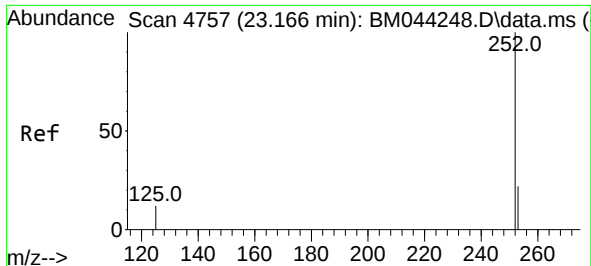
Ion Ratio Lower Upper

228 100

226 29.8 24.2 36.2

229 19.9 15.8 23.6

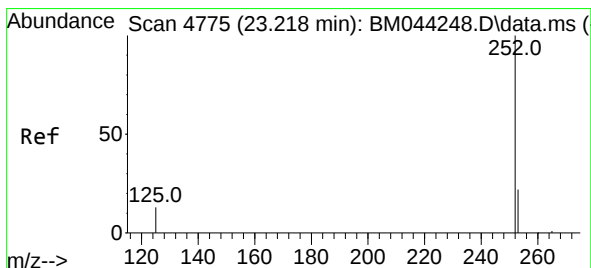
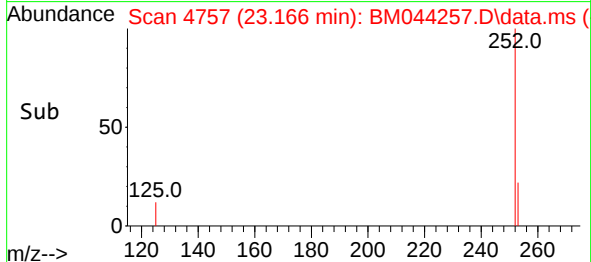
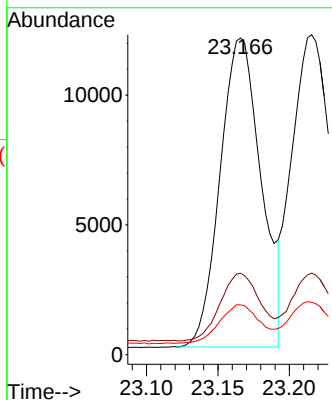
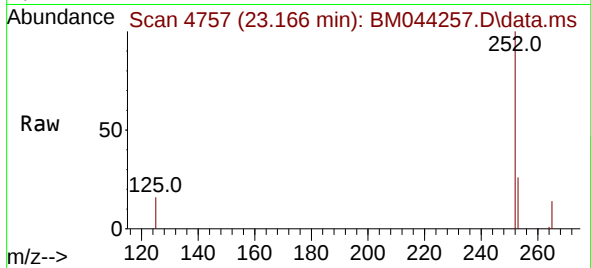




#24
Benzo(b)fluoranthene
Concen: 0.497 ng/ul
RT: 23.166 min Scan# 4757
Delta R.T. 0.003 min
Lab File: BM044257.D
Acq: 23 Feb 2024 02:03

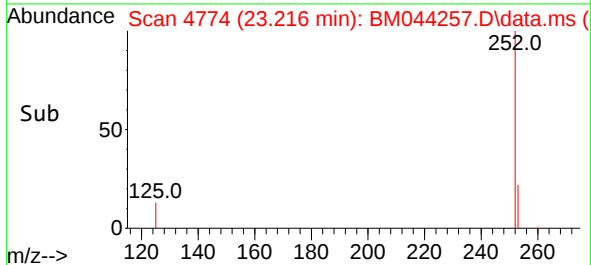
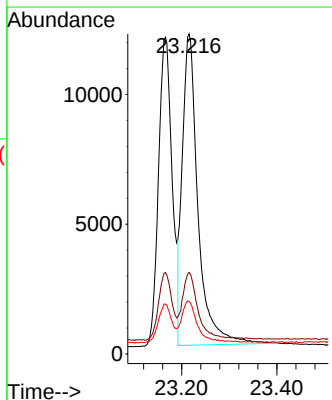
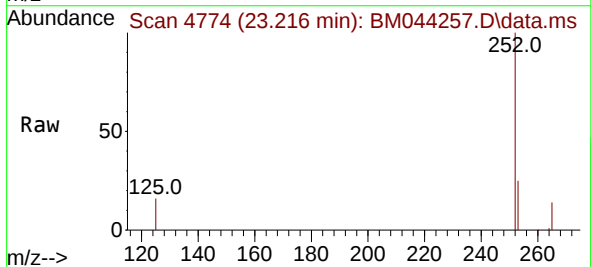
Instrument :
BNA_M
ClientSampleId :
SLCS101

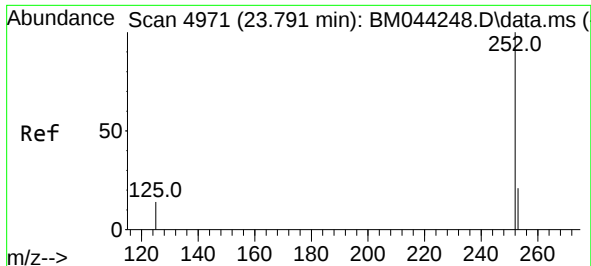
Tgt Ion:252 Resp: 23802
Ion Ratio Lower Upper
252 100
253 25.7 0.0 50.0
125 15.7 0.0 28.2



#25
Benzo(k)fluoranthene
Concen: 0.528 ng/ul
RT: 23.216 min Scan# 4774
Delta R.T. 0.003 min
Lab File: BM044257.D
Acq: 23 Feb 2024 02:03

Tgt Ion:252 Resp: 27451
Ion Ratio Lower Upper
252 100
253 25.5 20.1 30.1
125 16.4 12.3 18.5

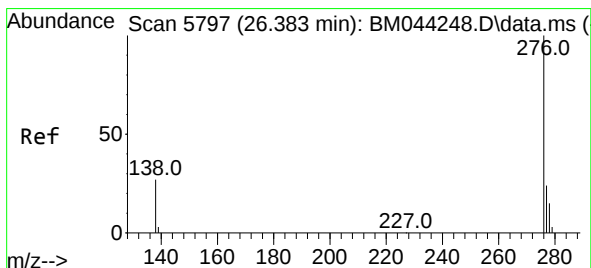
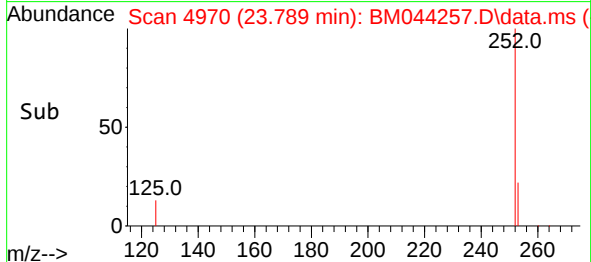
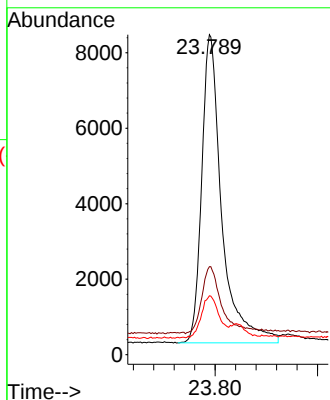
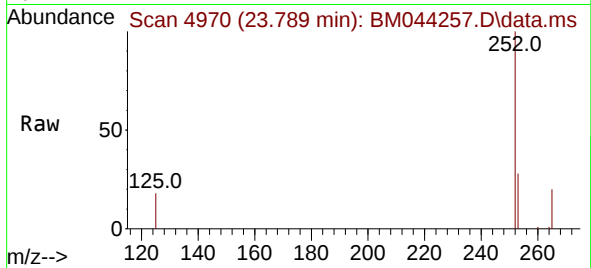




#26
Benzo(a)pyrene
Concen: 0.499 ng/ul
RT: 23.789 min Scan# 4971
Delta R.T. 0.003 min
Lab File: BM044257.D
Acq: 23 Feb 2024 02:03

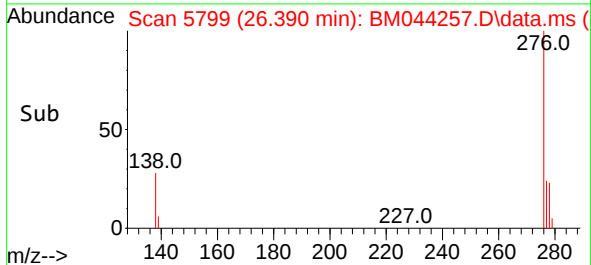
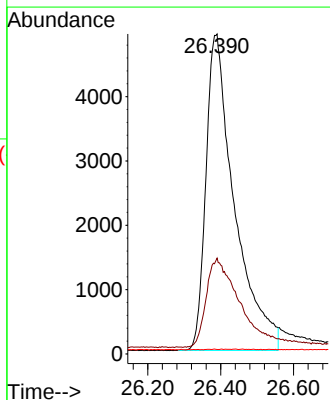
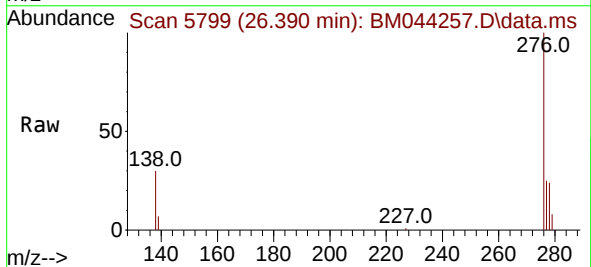
Instrument :
BNA_M
ClientSampleId :
SLCS101

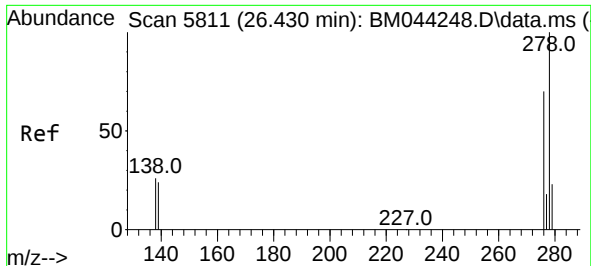
Tgt Ion:	252	Resp:	22227
Ion Ratio	Lower	Upper	
252	100		
253	27.5	21.4	32.2
125	18.4	13.3	19.9



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.472 ng/ul
RT: 26.390 min Scan# 5799
Delta R.T. 0.020 min
Lab File: BM044257.D
Acq: 23 Feb 2024 02:03

Tgt Ion:	276	Resp:	26758
Ion Ratio	Lower	Upper	
276	100		
138	32.6	25.2	37.8
227	0.0	0.1	0.1



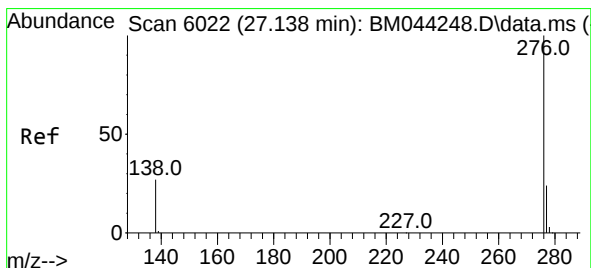
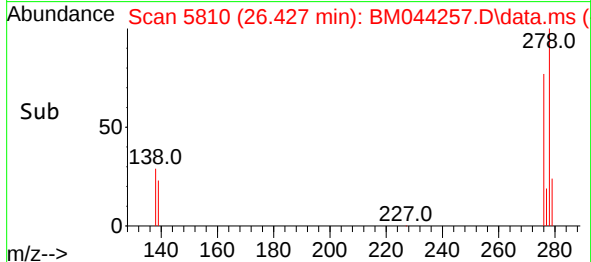
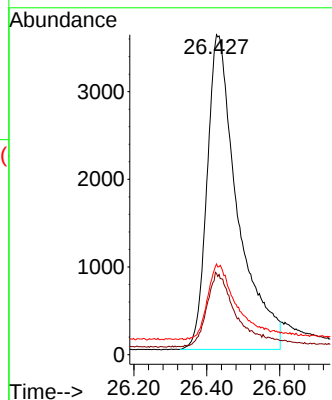
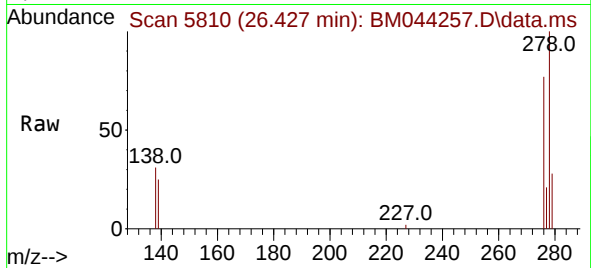


#28
Dibenzo(a,h)anthracene
Concen: 0.467 ng/ul
RT: 26.427 min Scan# 5810
Delta R.T. 0.017 min
Lab File: BM044257.D
Acq: 23 Feb 2024 02:03

Instrument :
BNA_M
ClientSampleId :
SLCS101

Tgt Ion:278 Resp: 20853

Ion	Ratio	Lower	Upper
278	100		
139	25.4	17.8	26.8
279	28.4	21.8	32.8



#29
Benzo(g,h,i)perylene
Concen: 0.486 ng/ul
RT: 27.134 min Scan# 6021
Delta R.T. 0.007 min
Lab File: BM044257.D
Acq: 23 Feb 2024 02:03

Tgt Ion:276 Resp: 24342

Ion	Ratio	Lower	Upper
276	100		
138	30.0	22.7	34.1
277	24.3	19.0	28.6

