

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021924\
 Data File : BM044187.D
 Acq On : 19 Feb 2024 20:45
 Operator : MA/JU
 Sample : PB158870BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS870

Quant Time: Feb 19 21:55:46 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)

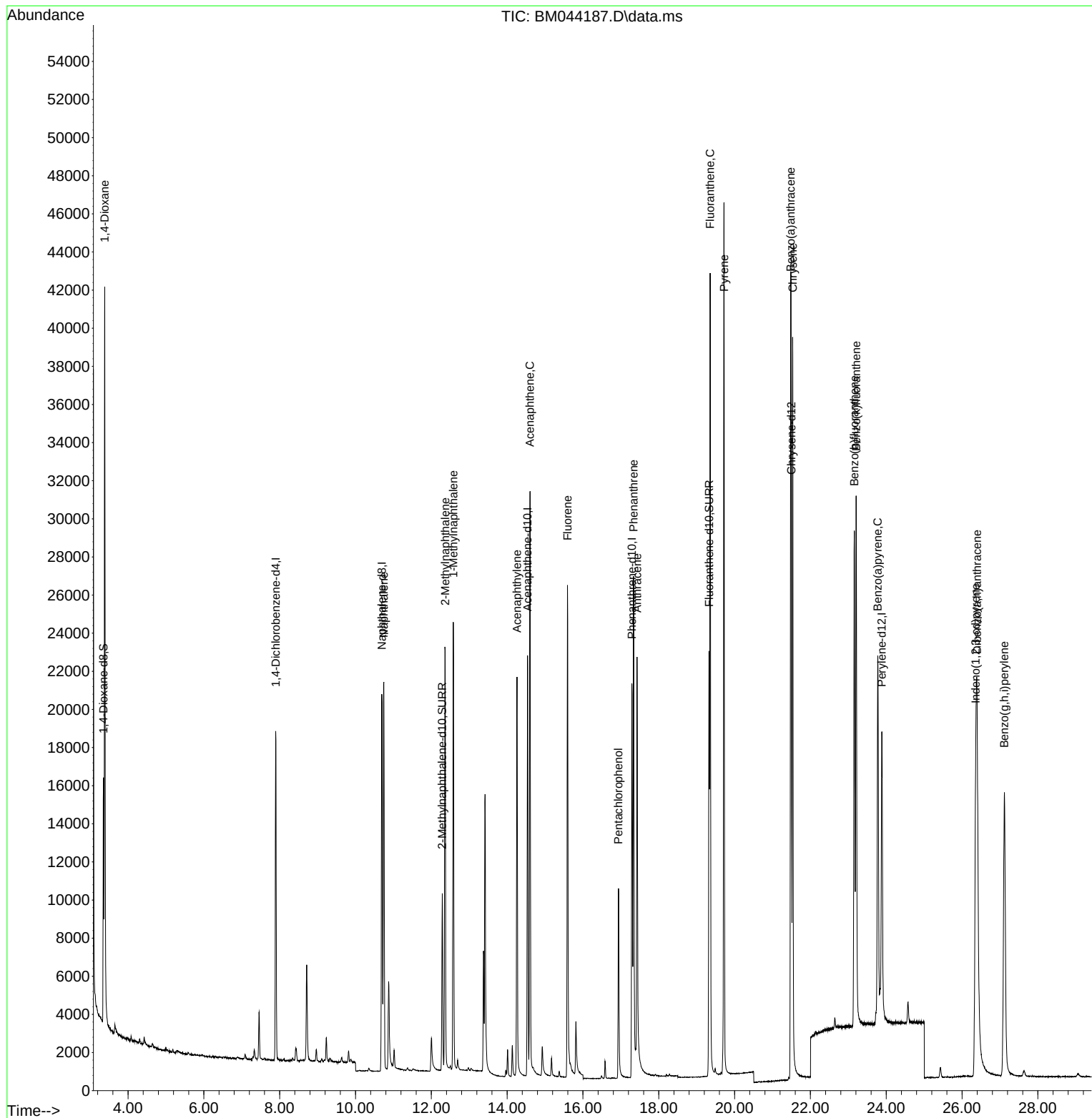
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.896	152	8890	0.400	ng/ul	0.00
4) Naphthalene-d8	10.693	136	27455	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.538	164	12751	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.292	188	26693	0.400	ng/ul	0.00
17) Chrysene-d12	21.497	240	20413	0.400	ng/ul	0.00
23) Perylene-d12	23.885	264	22927	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.352	96	7820	0.621	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.288	152	12519	0.326	ng/ul	-0.01
18) Fluoranthene-d10	19.326	212	23831	0.391	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.386	88	24592	1.954	ng/ul#	76
5) Naphthalene	10.748	128	28660	0.351	ng/ul	99
7) 2-Methylnaphthalene	12.365	142	17105	0.340	ng/ul	100
8) 1-Methylnaphthalene	12.580	142	16694	0.328	ng/ul	100
10) Acenaphthylene	14.260	152	25855	0.369	ng/ul	100
11) Acenaphthene	14.603	153	18112	0.357	ng/ul	99
12) Fluorene	15.593	166	19285	0.337	ng/ul	99
14) Pentachlorophenol	16.937	266	7565	0.791	ng/ul	99
15) Phenanthrene	17.334	178	30896	0.365	ng/ul	100
16) Anthracene	17.427	178	30324	0.362	ng/ul	99
19) Fluoranthene	19.354	202	37696	0.405	ng/ul	97
20) Pyrene	19.721	202	39186	0.400	ng/ul	100
21) Benzo(a)anthracene	21.479	228	34537	0.369	ng/ul	99
22) Chrysene	21.532	228	37222	0.369	ng/ul	99
24) Benzo(b)fluoranthene	23.157	252	35795	0.378	ng/ul	99
25) Benzo(k)fluoranthene	23.207	252	38988	0.380	ng/ul	97
26) Benzo(a)pyrene	23.777	252	33229	0.378	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.360	276	41144	0.367	ng/ul	98
28) Dibenzo(a,h)anthracene	26.396	278	32808	0.372	ng/ul	97
29) Benzo(g,h,i)perylene	27.117	276	35253	0.356	ng/ul	100

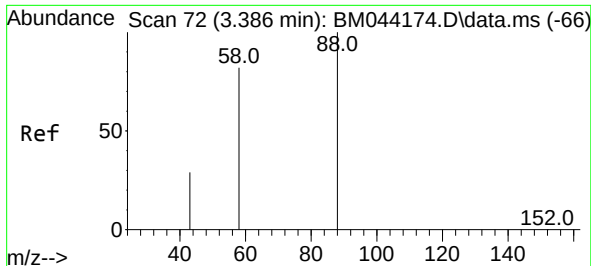
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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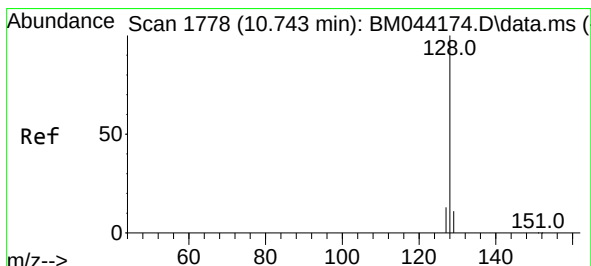
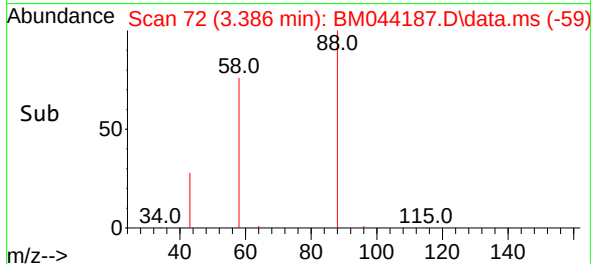
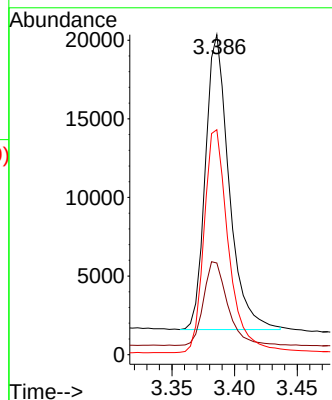
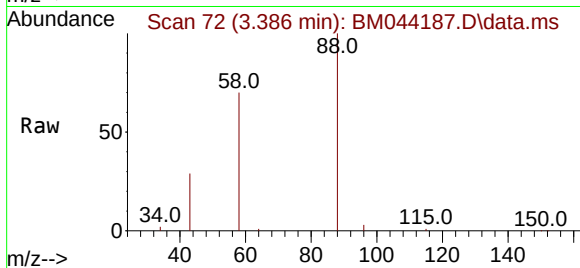




#2
1,4-Dioxane
Concen: 1.954 ng/ul
RT: 3.386 min Scan# 71
Delta R.T. -0.004 min
Lab File: BM044187.D
Acq: 19 Feb 2024 20:45

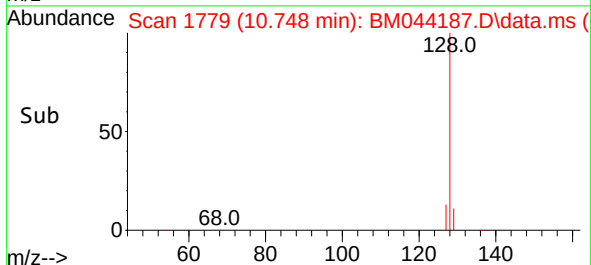
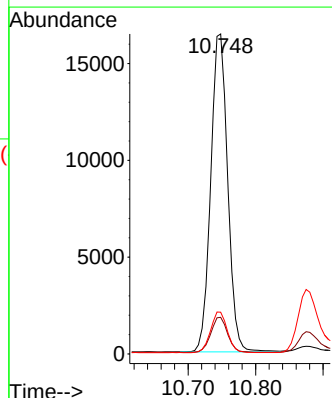
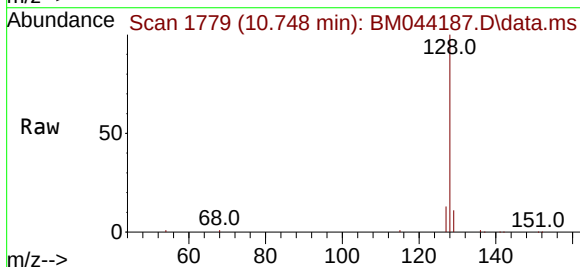
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BNA_M
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SLCS870

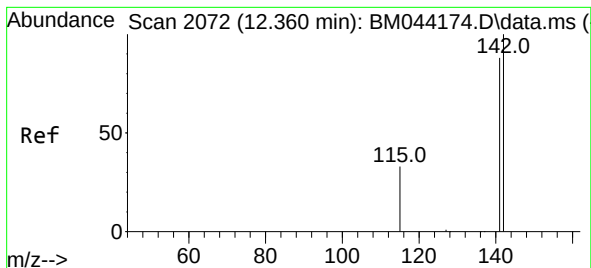
Tgt Ion: 88 Resp: 24592
Ion Ratio Lower Upper
88 100
43 28.7 32.2 48.2#
58 70.3 40.6 60.8#



#5
Naphthalene
Concen: 0.351 ng/ul
RT: 10.748 min Scan# 1779
Delta R.T. -0.006 min
Lab File: BM044187.D
Acq: 19 Feb 2024 20:45

Tgt Ion: 128 Resp: 28660
Ion Ratio Lower Upper
128 100
129 11.4 9.5 14.3
127 13.1 10.7 16.1





#7

2-Methylnaphthalene

Concen: 0.340 ng/ul

RT: 12.365 min Scan# 2072

Delta R.T. -0.006 min

Lab File: BM044187.D

Acq: 19 Feb 2024 20:45

Instrument :

BNA_M

ClientSampleId :

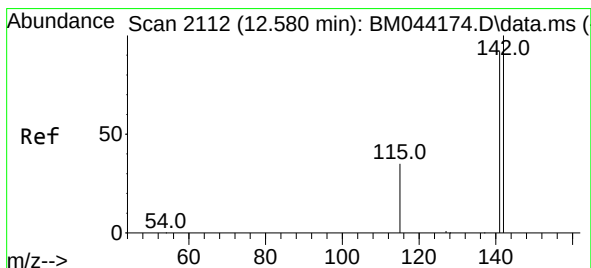
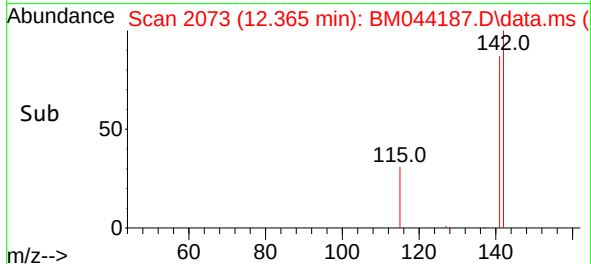
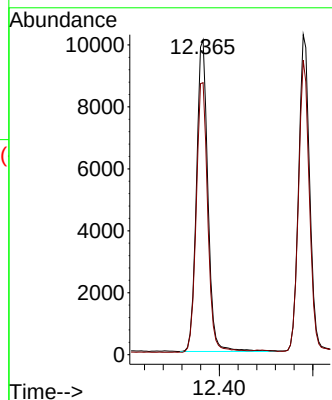
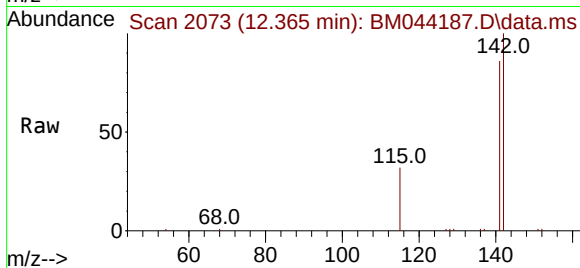
SLCS870

Tgt Ion:142 Resp: 17105

Ion Ratio Lower Upper

142 100

141 87.6 70.0 105.0



#8

1-Methylnaphthalene

Concen: 0.328 ng/ul

RT: 12.580 min Scan# 2112

Delta R.T. -0.011 min

Lab File: BM044187.D

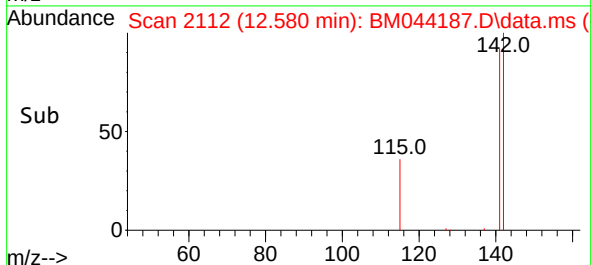
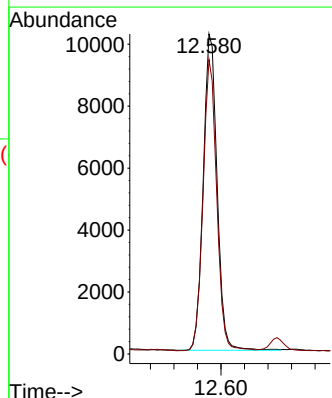
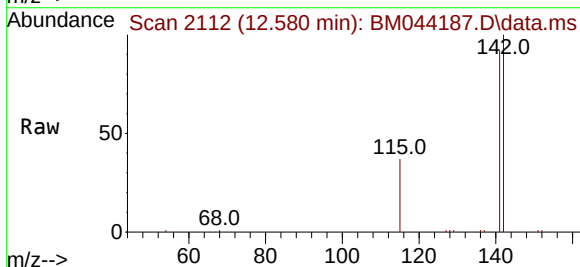
Acq: 19 Feb 2024 20:45

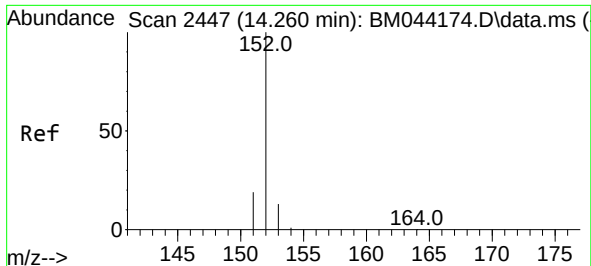
Tgt Ion:142 Resp: 16694

Ion Ratio Lower Upper

142 100

141 90.9 72.5 108.7

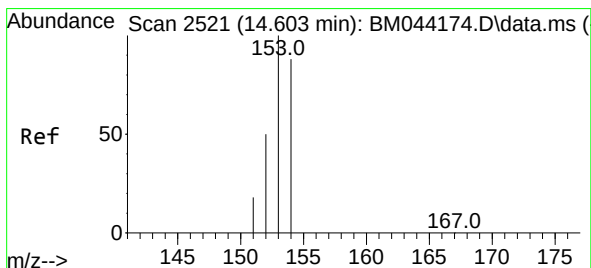
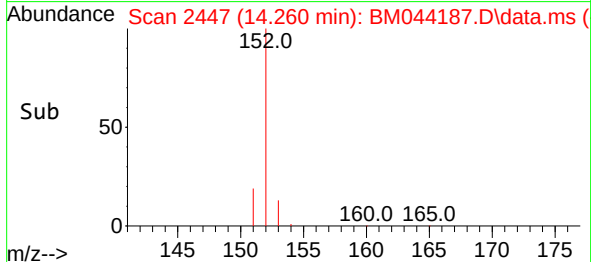
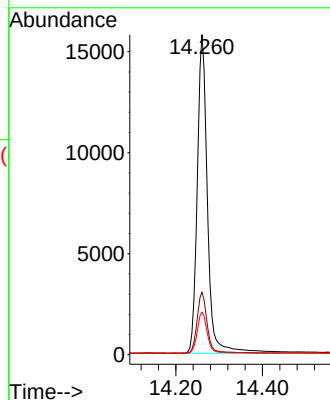
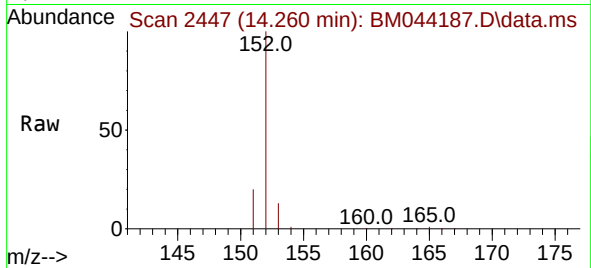




#10
Acenaphthylene
Concen: 0.369 ng/ul
RT: 14.260 min Scan# 2447
Delta R.T. -0.009 min
Lab File: BM044187.D
Acq: 19 Feb 2024 20:45

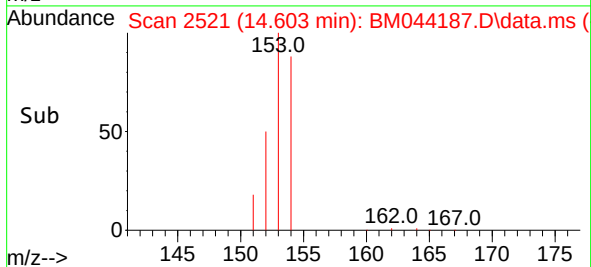
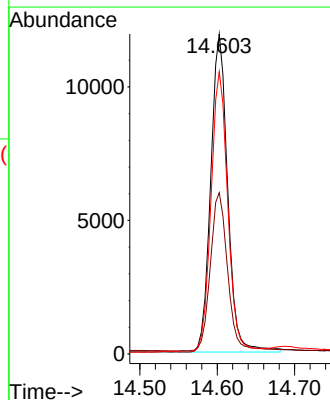
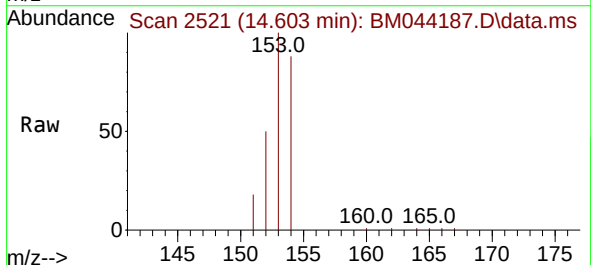
Instrument :
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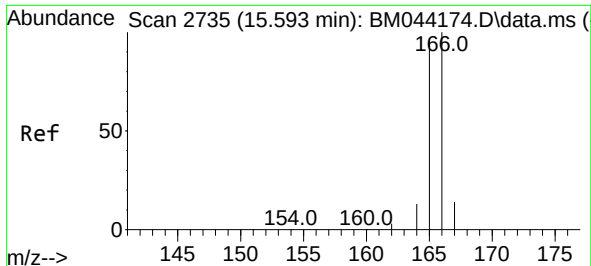
Tgt Ion:152 Resp: 25855
Ion Ratio Lower Upper
152 100
151 19.5 15.5 23.3
153 13.2 10.8 16.2



#11
Acenaphthene
Concen: 0.357 ng/ul
RT: 14.603 min Scan# 2521
Delta R.T. -0.005 min
Lab File: BM044187.D
Acq: 19 Feb 2024 20:45

Tgt Ion:153 Resp: 18112
Ion Ratio Lower Upper
153 100
152 50.4 40.6 61.0
154 88.2 70.1 105.1

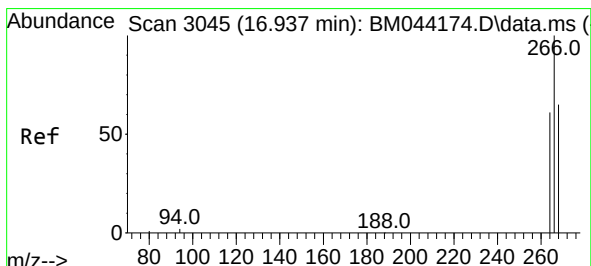
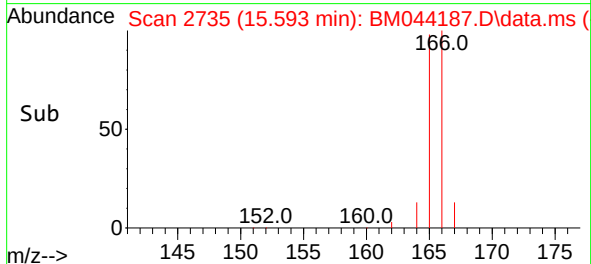
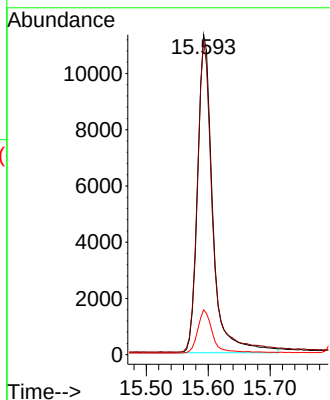
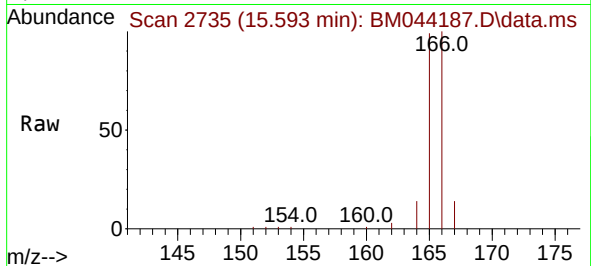




#12
 Fluorene
 Concen: 0.337 ng/ul
 RT: 15.593 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BM044187.D
 Acq: 19 Feb 2024 20:45

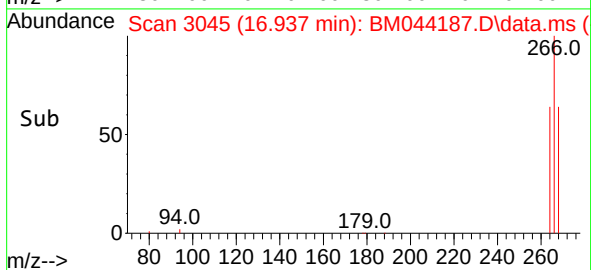
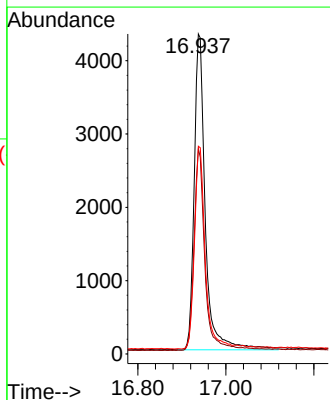
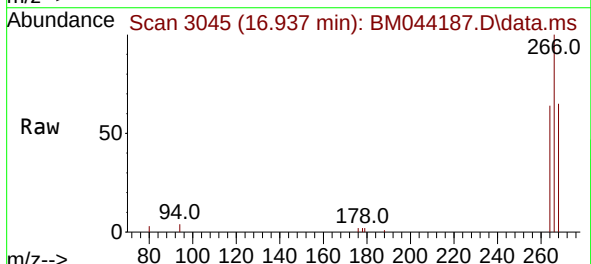
Instrument :
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 ClientSampleId :
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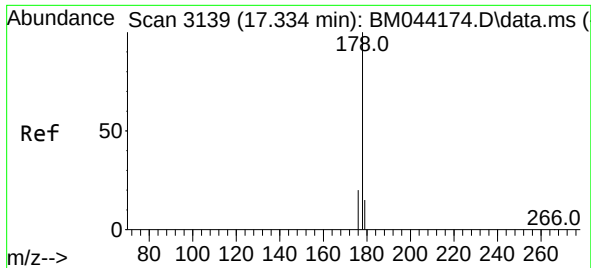
Tgt Ion:166 Resp: 19285
 Ion Ratio Lower Upper
 166 100
 165 98.6 79.8 119.6
 167 14.0 11.1 16.7



#14
 Pentachlorophenol
 Concen: 0.791 ng/ul
 RT: 16.937 min Scan# 3045
 Delta R.T. -0.008 min
 Lab File: BM044187.D
 Acq: 19 Feb 2024 20:45

Tgt Ion:266 Resp: 7565
 Ion Ratio Lower Upper
 266 100
 264 62.3 49.4 74.0
 268 64.2 52.1 78.1

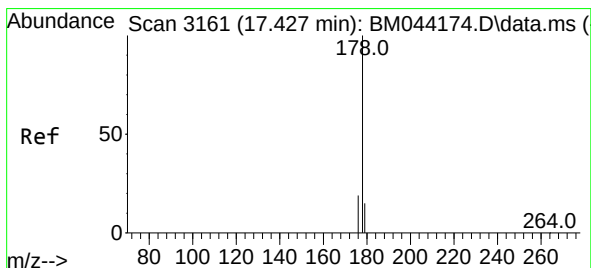
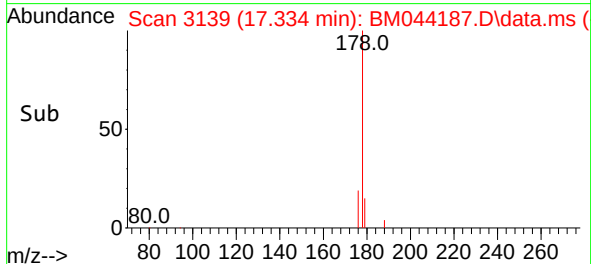
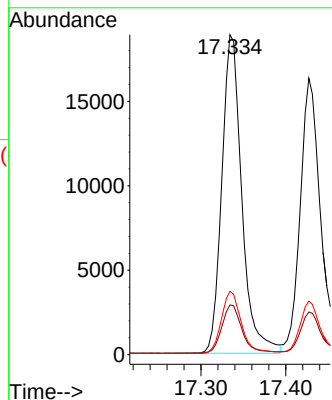
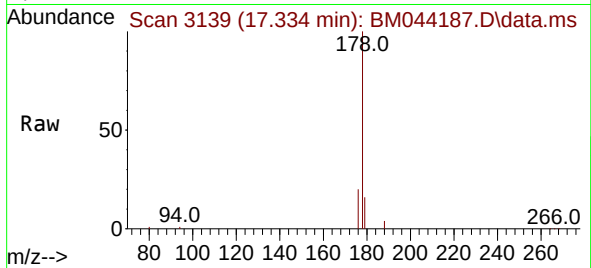




#15
Phenanthrene
Concen: 0.365 ng/ul
RT: 17.334 min Scan# 3139
Delta R.T. -0.004 min
Lab File: BM044187.D
Acq: 19 Feb 2024 20:45

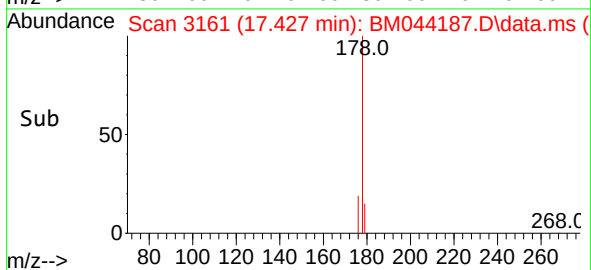
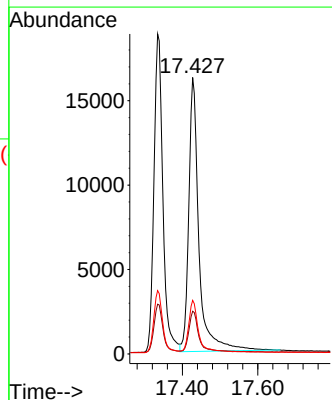
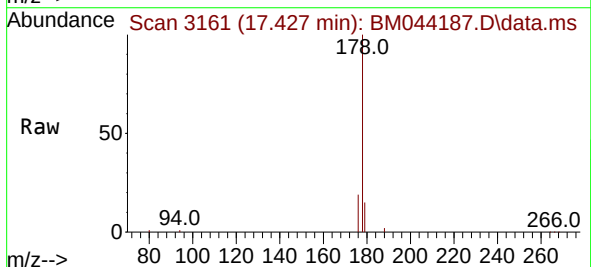
Instrument :
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ClientSampleId :
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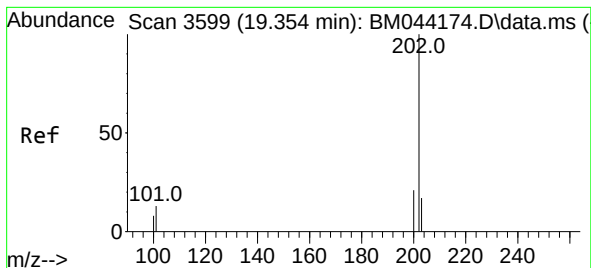
Tgt Ion:	178	Resp:	30896
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.6	19.0
176	19.8	16.0	24.0



#16
Anthracene
Concen: 0.362 ng/ul
RT: 17.427 min Scan# 3161
Delta R.T. -0.008 min
Lab File: BM044187.D
Acq: 19 Feb 2024 20:45

Tgt Ion:	178	Resp:	30324
Ion Ratio	Lower	Upper	
178	100		
179	15.4	12.8	19.2
176	19.4	15.3	22.9





#19

Fluoranthene

Concen: 0.405 ng/ul

RT: 19.354 min Scan# 3599

Delta R.T. -0.009 min

Lab File: BM044187.D

Acq: 19 Feb 2024 20:45

Instrument :

BNA_M

ClientSampleId :

SLCS870

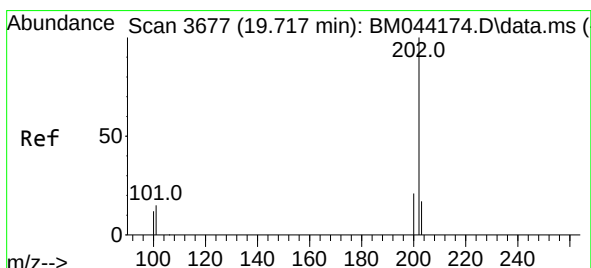
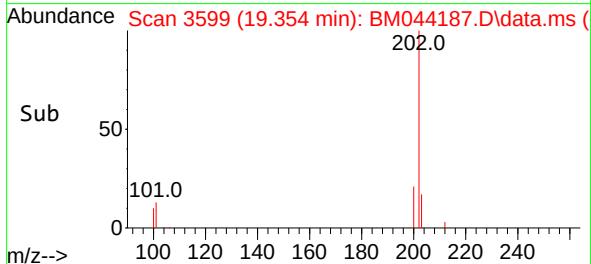
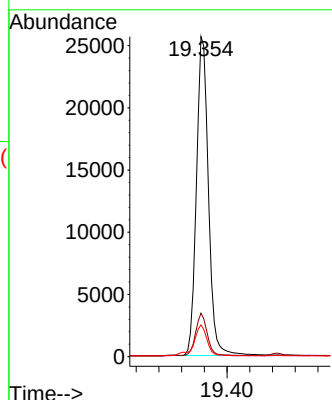
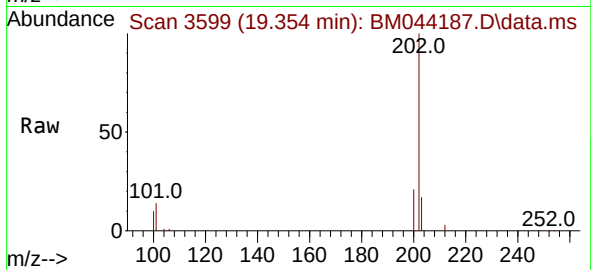
Tgt Ion:202 Resp: 37696

Ion Ratio Lower Upper

202 100

101 13.6 9.8 14.6

100 9.9 7.0 10.4



#20

Pyrene

Concen: 0.400 ng/ul

RT: 19.721 min Scan# 3678

Delta R.T. -0.005 min

Lab File: BM044187.D

Acq: 19 Feb 2024 20:45

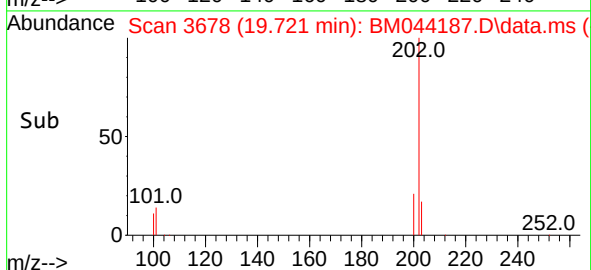
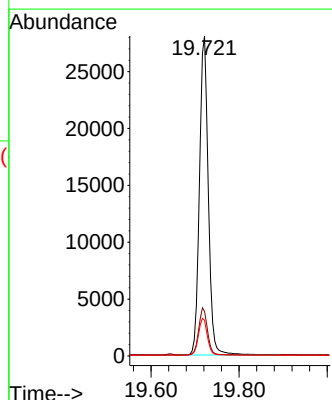
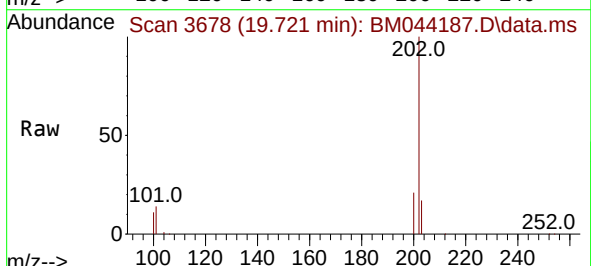
Tgt Ion:202 Resp: 39186

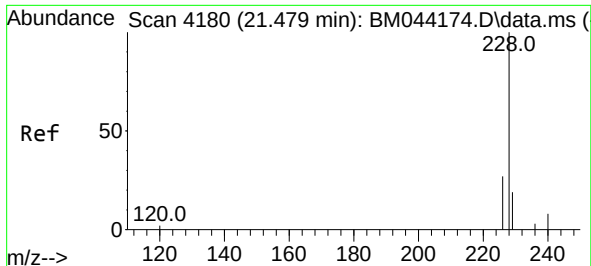
Ion Ratio Lower Upper

202 100

101 13.9 11.2 16.8

100 11.1 8.6 13.0

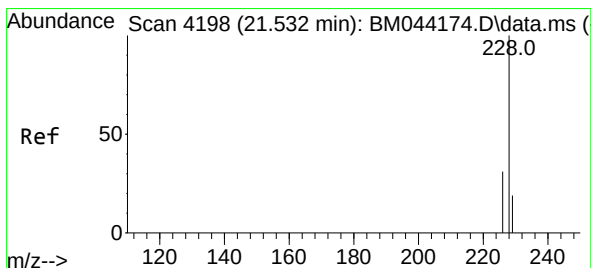
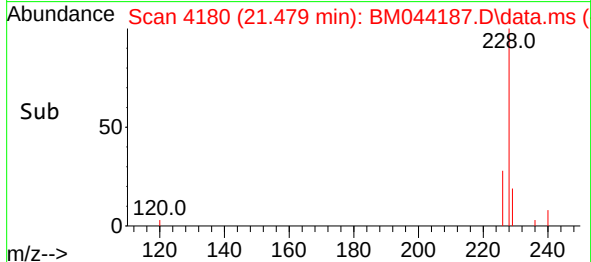
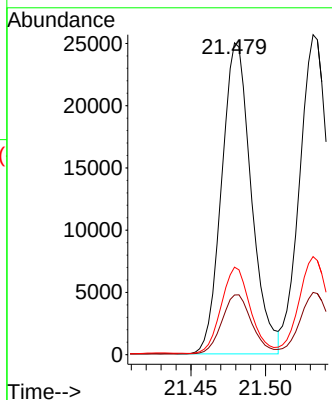
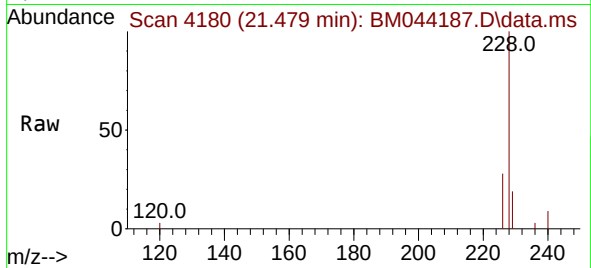




#21
Benzo(a)anthracene
Concen: 0.369 ng/ul
RT: 21.479 min Scan# 4180
Delta R.T. -0.006 min
Lab File: BM044187.D
Acq: 19 Feb 2024 20:45

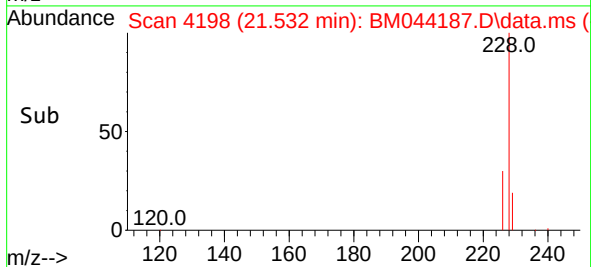
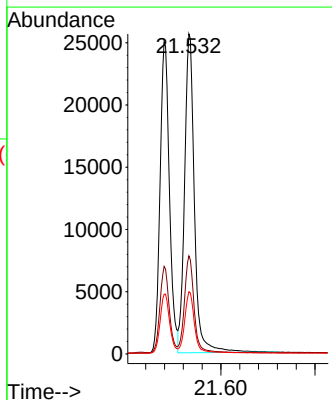
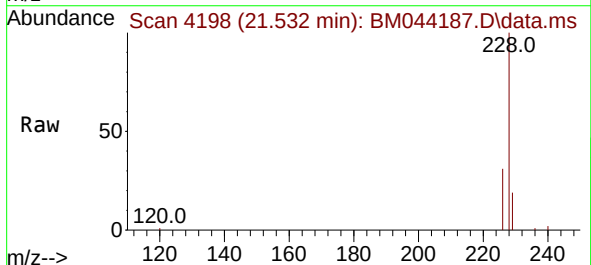
Instrument :
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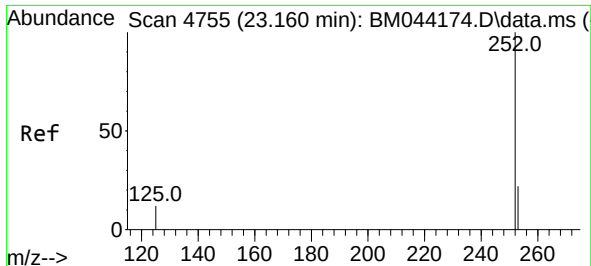
Tgt Ion:228 Resp: 34537
Ion Ratio Lower Upper
228 100
229 19.2 15.4 23.2
226 28.1 22.1 33.1



#22
Chrysene
Concen: 0.369 ng/ul
RT: 21.532 min Scan# 4198
Delta R.T. -0.006 min
Lab File: BM044187.D
Acq: 19 Feb 2024 20:45

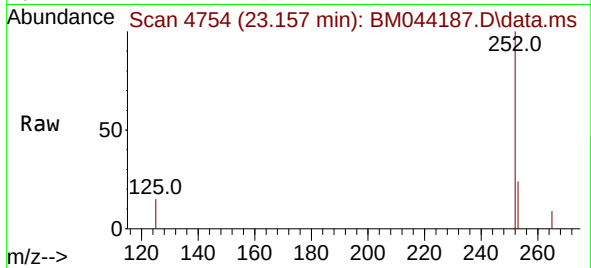
Tgt Ion:228 Resp: 37222
Ion Ratio Lower Upper
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226 30.7 24.2 36.2
229 19.5 15.8 23.6



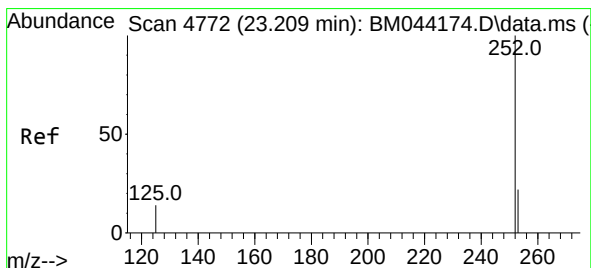
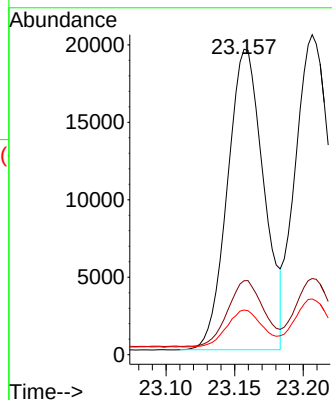


#24
Benzo(b)fluoranthene
Concen: 0.378 ng/ul
RT: 23.157 min Scan# 4754
Delta R.T. -0.006 min
Lab File: BM044187.D
Acq: 19 Feb 2024 20:45

Instrument :
BNA_M
ClientSampleId :
SLCS870

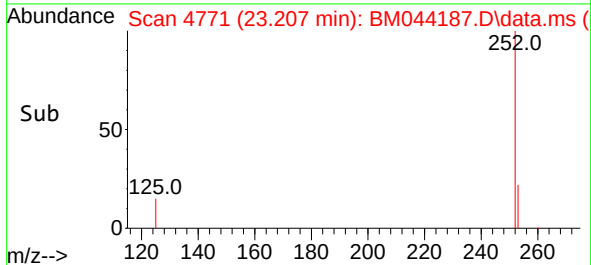
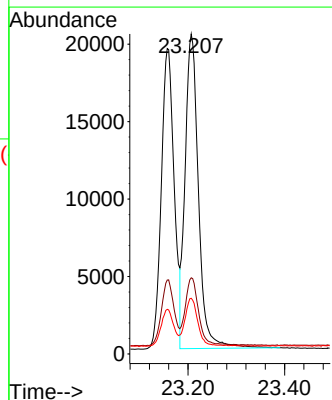
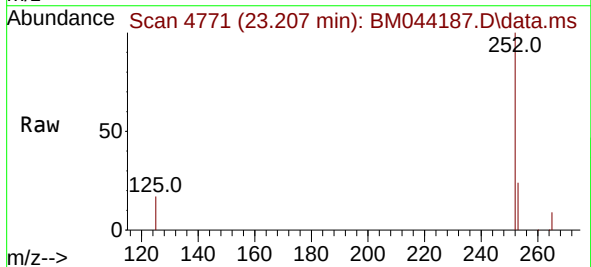


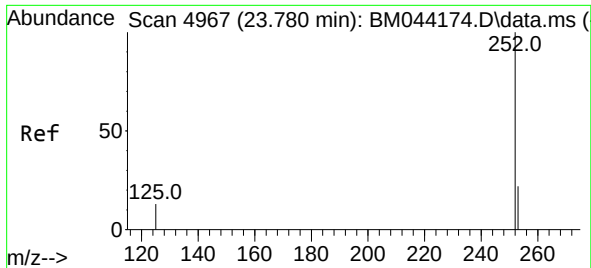
Tgt Ion:252 Resp: 35795
Ion Ratio Lower Upper
252 100
253 24.2 0.0 50.0
125 14.6 0.0 28.2



#25
Benzo(k)fluoranthene
Concen: 0.380 ng/ul
RT: 23.207 min Scan# 4771
Delta R.T. -0.006 min
Lab File: BM044187.D
Acq: 19 Feb 2024 20:45

Tgt Ion:252 Resp: 38988
Ion Ratio Lower Upper
252 100
253 23.8 20.1 30.1
125 17.4 12.3 18.5

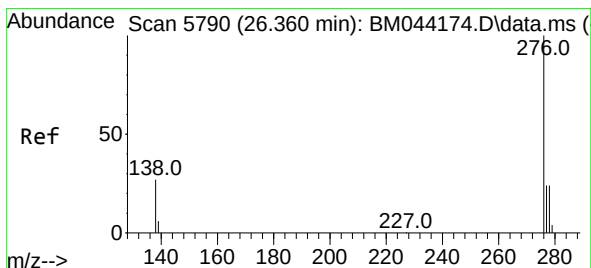
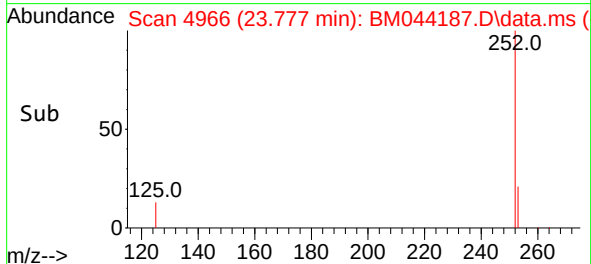
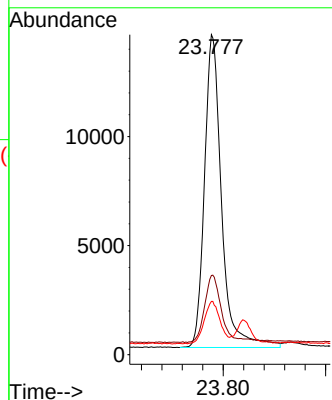
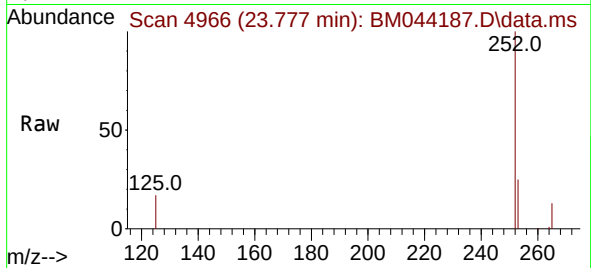




#26
Benzo(a)pyrene
Concen: 0.378 ng/ul
RT: 23.777 min Scan# 4966
Delta R.T. -0.009 min
Lab File: BM044187.D
Acq: 19 Feb 2024 20:45

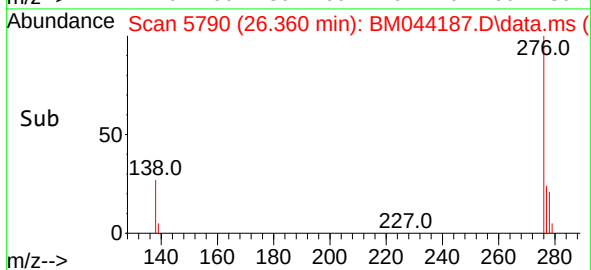
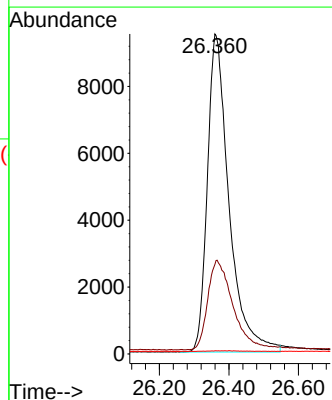
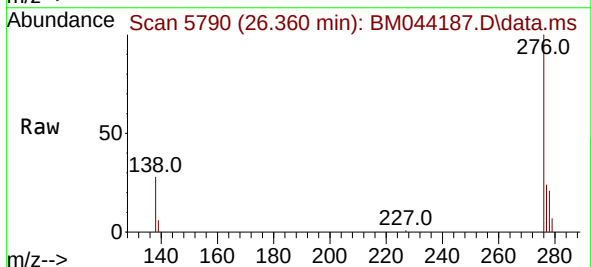
Instrument :
BNA_M
ClientSampleId :
SLCS870

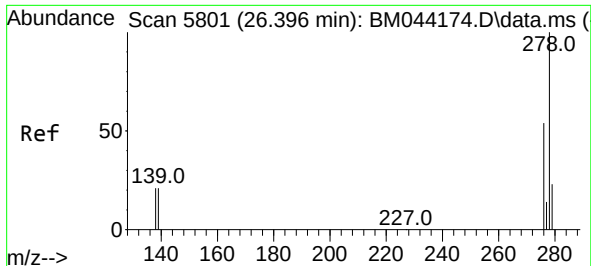
Tgt Ion:252 Resp: 33229
Ion Ratio Lower Upper
252 100
253 24.8 21.4 32.2
125 16.6 13.3 19.9



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.367 ng/ul
RT: 26.360 min Scan# 5790
Delta R.T. -0.010 min
Lab File: BM044187.D
Acq: 19 Feb 2024 20:45

Tgt Ion:276 Resp: 41144
Ion Ratio Lower Upper
276 100
138 32.8 25.2 37.8
227 0.1 0.1 0.1





#28

Dibenzo(a,h)anthracene

Concen: 0.372 ng/ul

RT: 26.396 min Scan# 5801

Delta R.T. -0.013 min

Lab File: BM044187.D

Acq: 19 Feb 2024 20:45

Instrument :

BNA_M

ClientSampleId :

SLCS870

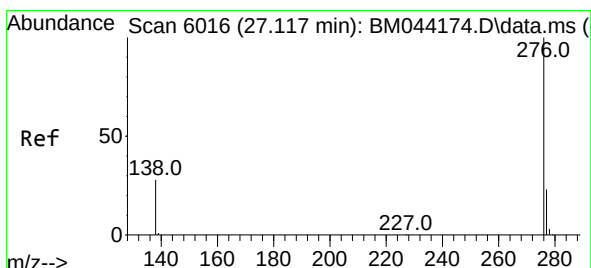
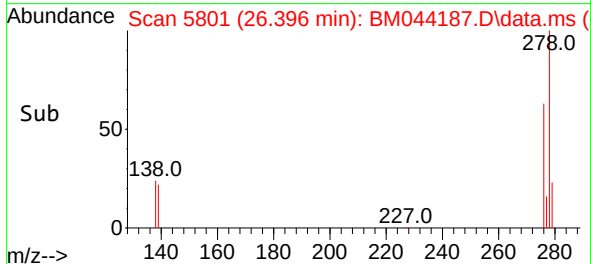
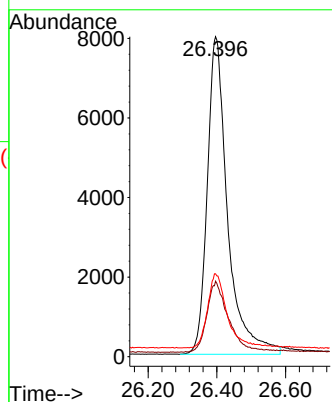
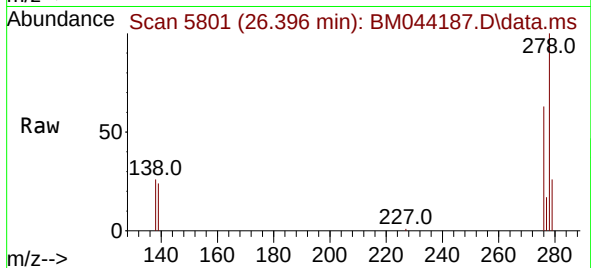
Tgt Ion:278 Resp: 32808

Ion Ratio Lower Upper

278 100

139 23.6 17.8 26.8

279 25.9 21.8 32.8



#29

Benzo(g,h,i)perylene

Concen: 0.356 ng/ul

RT: 27.117 min Scan# 6016

Delta R.T. -0.010 min

Lab File: BM044187.D

Acq: 19 Feb 2024 20:45

Tgt Ion:276 Resp: 35253

Ion Ratio Lower Upper

276 100

138 28.7 22.7 34.1

277 23.7 19.0 28.6

