

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082923\
 Data File : BM041589.D
 Acq On : 30 Aug 2023 21:52
 Operator : MA/JU
 Sample : PB155073BS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS073

Quant Time: Aug 31 02:18:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM082923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 30 01:50:06 2023
 Response via : Initial Calibration

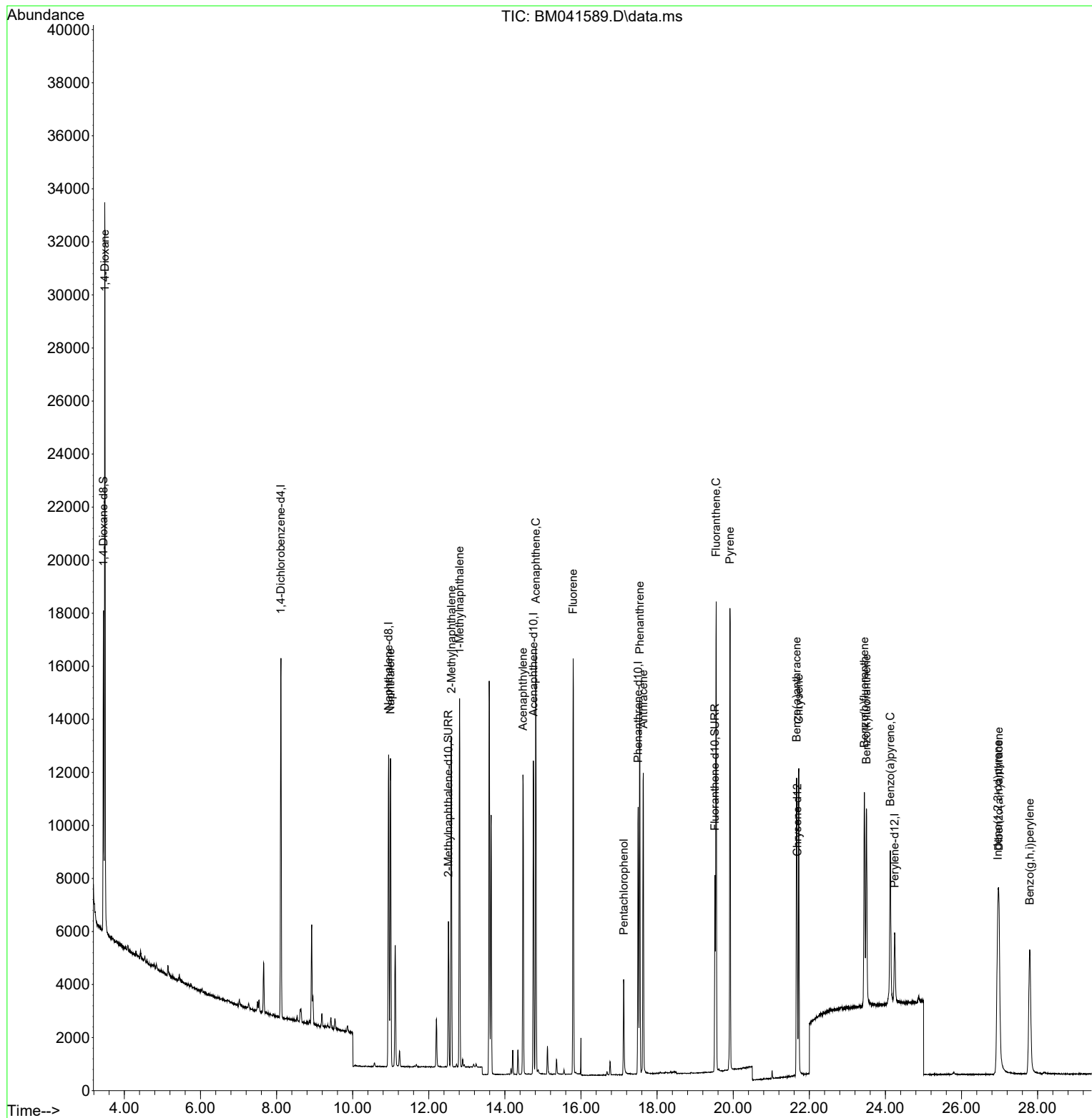
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.114	152	6620	0.400	ng/ul	0.00
4) Naphthalene-d8	10.944	136	14855	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.749	164	5748	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.502	188	10363	0.400	ng/ul	0.00
17) Chrysene-d12	21.682	240	3394	0.400	ng/ul	0.00
23) Perylene-d12	24.243	264	3838	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.452	96	6496	0.665	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.517	152	6511	0.363	ng/ul	0.00
18) Fluoranthene-d10	19.520	212	6231	0.372	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.486	88	15885	1.524	ng/ul#	83
5) Naphthalene	10.993	128	15413	0.325	ng/ul	100
7) 2-Methylnaphthalene	12.594	142	8639	0.321	ng/ul	100
8) 1-Methylnaphthalene	12.808	142	9058	0.333	ng/ul	99
10) Acenaphthylene	14.476	152	12654	0.316	ng/ul	99
11) Acenaphthene	14.814	153	8924	0.323	ng/ul	99
12) Fluorene	15.795	166	9536	0.317	ng/ul	98
14) Pentachlorophenol	17.122	266	2468	0.620	ng/ul	98
15) Phenanthrene	17.544	178	14258	0.315	ng/ul	99
16) Anthracene	17.637	178	12350	0.314	ng/ul	99
19) Fluoranthene	19.552	202	14137	0.318	ng/ul	100
20) Pyrene	19.915	202	13805	0.308	ng/ul	95
21) Benzo(a)anthracene	21.664	228	9351	0.309	ng/ul	100
22) Chrysene	21.723	228	10332	0.318	ng/ul	100
24) Benzo(b)fluoranthene	23.447	252	11100	0.311	ng/ul	98
25) Benzo(k)fluoranthene	23.500	252	10895	0.322	ng/ul	99
26) Benzo(a)pyrene	24.129	252	9829	0.309	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.954	276	13599	0.321	ng/ul#	95
28) Dibenzo(a,h)anthracene	26.981	278	9239	0.324	ng/ul	99
29) Benzo(g,h,i)perylene	27.793	276	11675	0.328	ng/ul	100

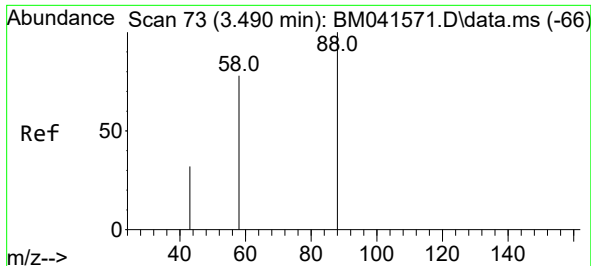
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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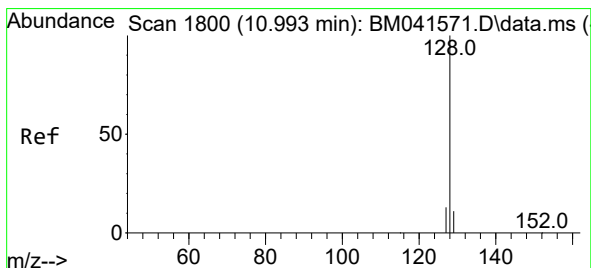
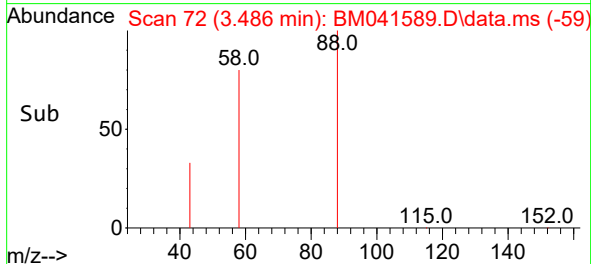
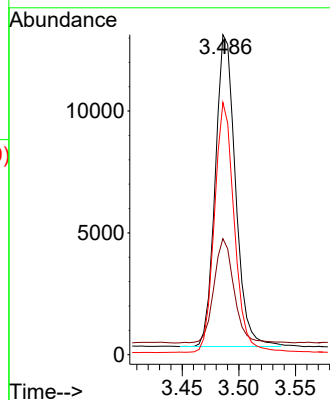
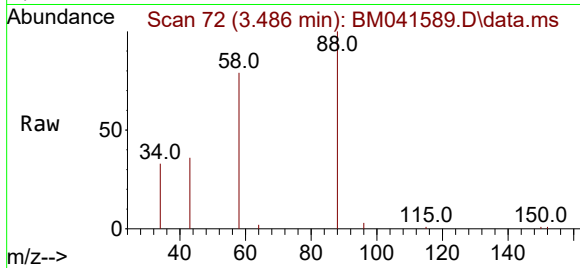




#2
1,4-Dioxane
Concen: 1.524 ng/ul
RT: 3.486 min Scan# 71
Delta R.T. -0.004 min
Lab File: BM041589.D
Acq: 30 Aug 2023 21:52

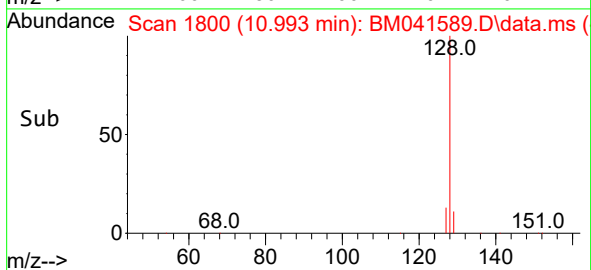
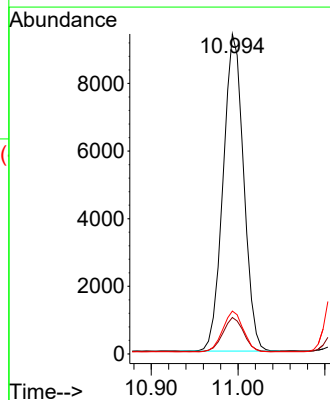
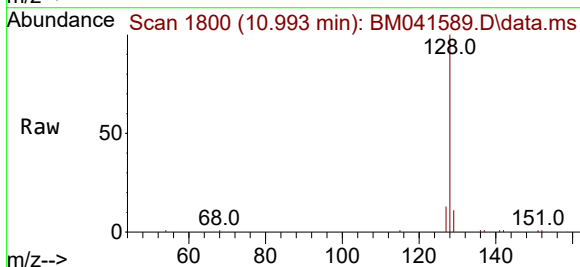
Instrument :
BNA_M
ClientSampleId :
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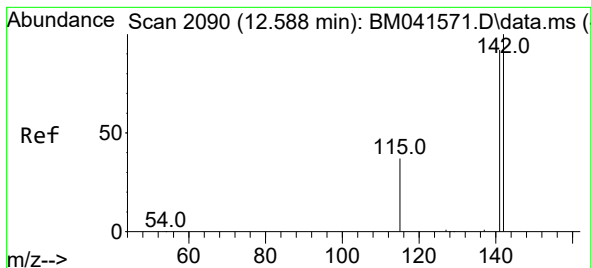
Tgt Ion: 88 Resp: 15885
Ion Ratio Lower Upper
88 100
43 36.3 46.2 69.2#
58 78.8 58.1 87.1



#5
Naphthalene
Concen: 0.325 ng/ul
RT: 10.993 min Scan# 1800
Delta R.T. -0.005 min
Lab File: BM041589.D
Acq: 30 Aug 2023 21:52

Tgt Ion: 128 Resp: 15413
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 13.4 10.6 15.8

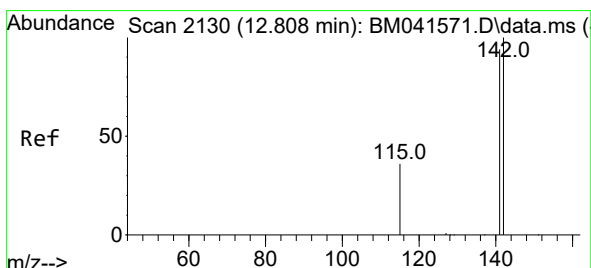
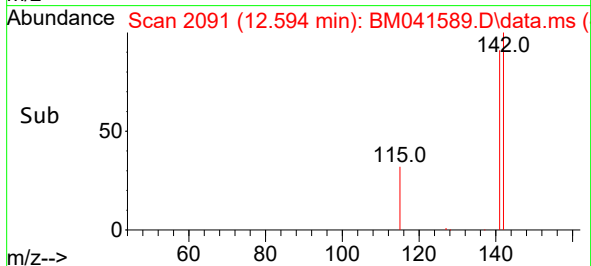
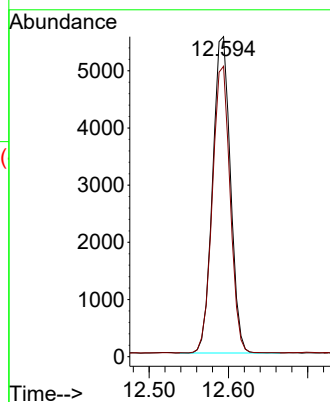
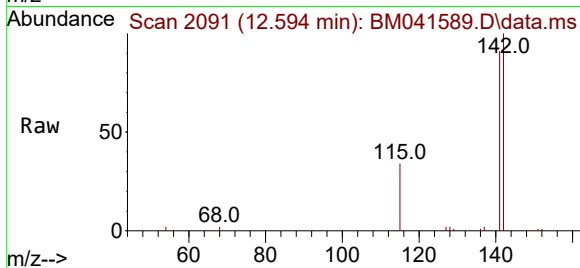




#7
2-Methylnaphthalene
Concen: 0.321 ng/ul
RT: 12.594 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BM041589.D
Acq: 30 Aug 2023 21:52

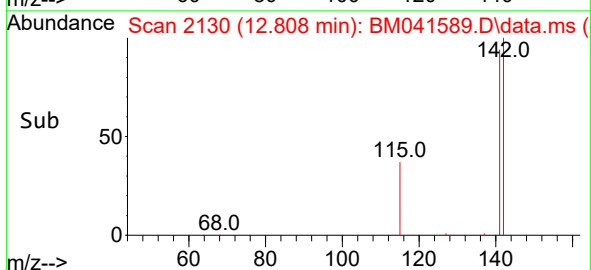
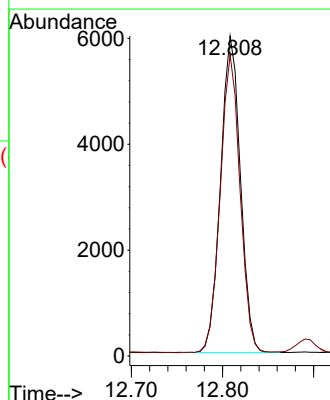
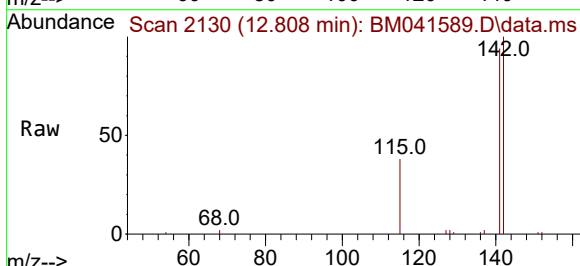
Instrument :
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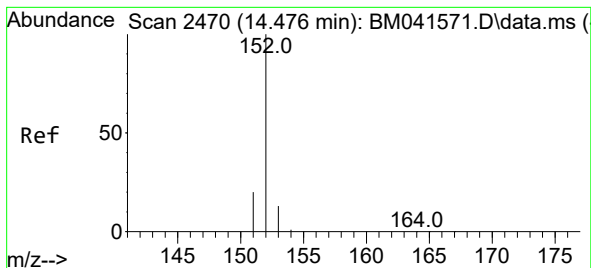
Tgt Ion:142 Resp: 8639
Ion Ratio Lower Upper
142 100
141 90.3 71.8 107.8



#8
1-Methylnaphthalene
Concen: 0.333 ng/ul
RT: 12.808 min Scan# 2130
Delta R.T. -0.005 min
Lab File: BM041589.D
Acq: 30 Aug 2023 21:52

Tgt Ion:142 Resp: 9058
Ion Ratio Lower Upper
142 100
141 93.4 74.2 111.2





#10

Acenaphthylene

Concen: 0.316 ng/ul

RT: 14.476 min Scan# 2470

Delta R.T. -0.005 min

Lab File: BM041589.D

Acq: 30 Aug 2023 21:52

Instrument :

BNA_M

ClientSampleId :

SLCS073

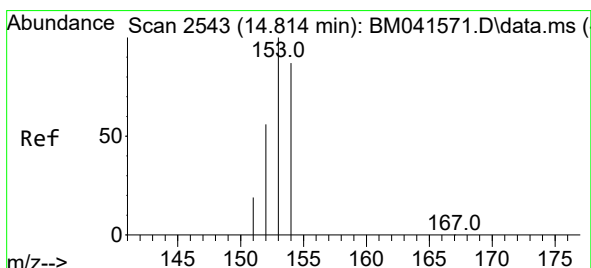
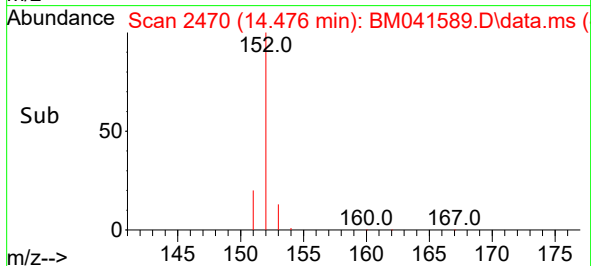
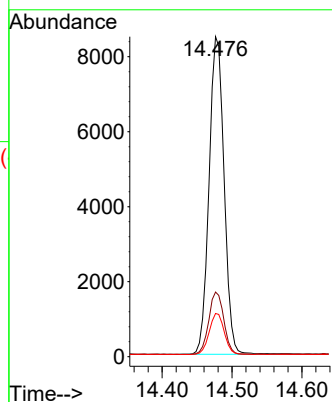
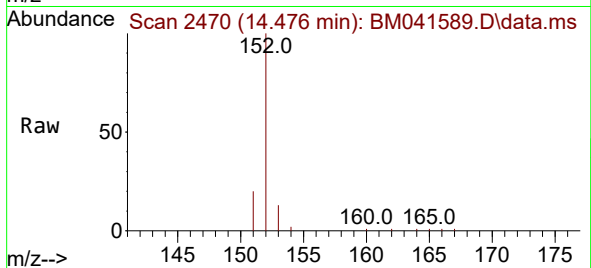
Tgt Ion:152 Resp: 12654

Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

153 13.5 10.6 15.8



#11

Acenaphthene

Concen: 0.323 ng/ul

RT: 14.814 min Scan# 2543

Delta R.T. -0.005 min

Lab File: BM041589.D

Acq: 30 Aug 2023 21:52

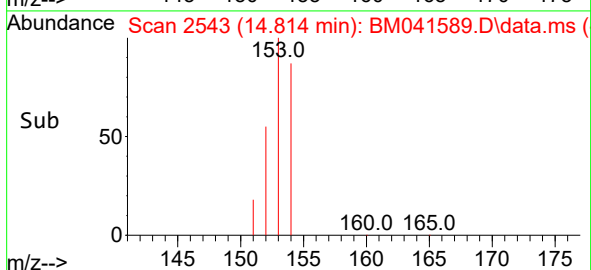
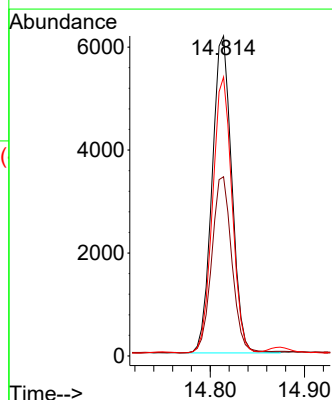
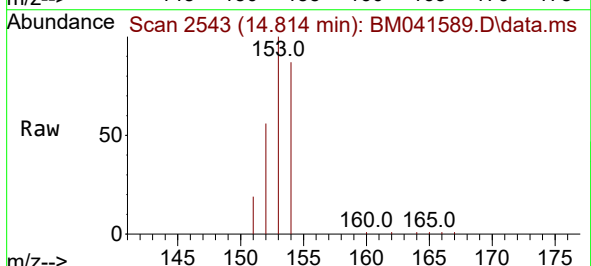
Tgt Ion:153 Resp: 8924

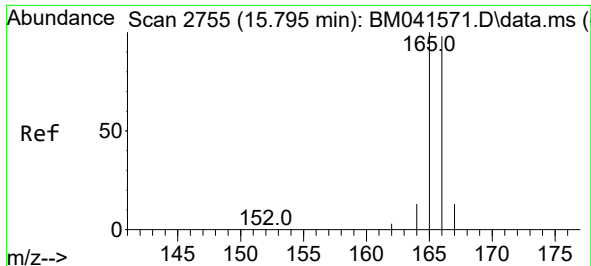
Ion Ratio Lower Upper

153 100

152 56.0 43.4 65.2

154 87.1 70.2 105.2

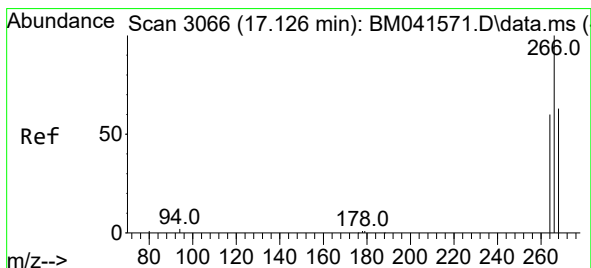
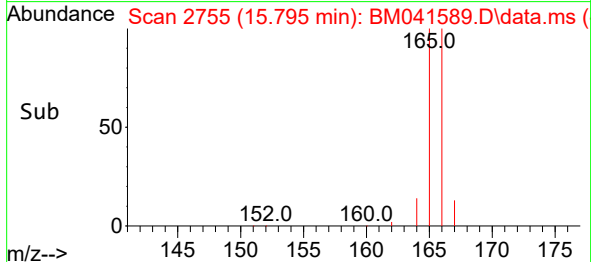
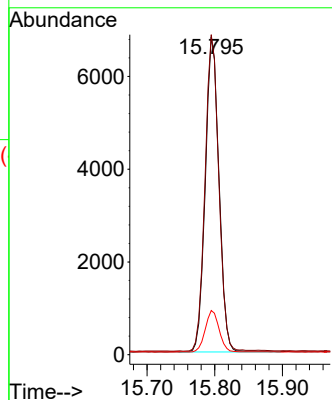
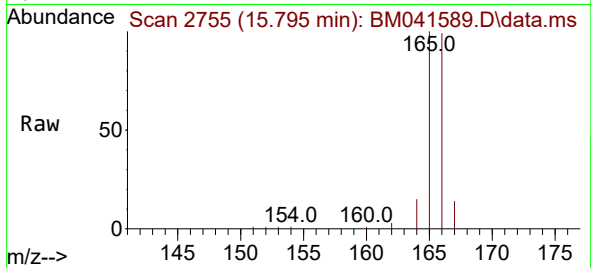




#12
Fluorene
Concen: 0.317 ng/ul
RT: 15.795 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM041589.D
Acq: 30 Aug 2023 21:52

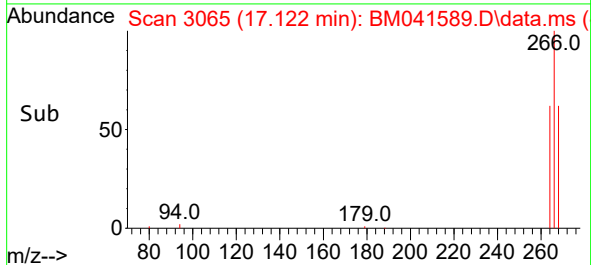
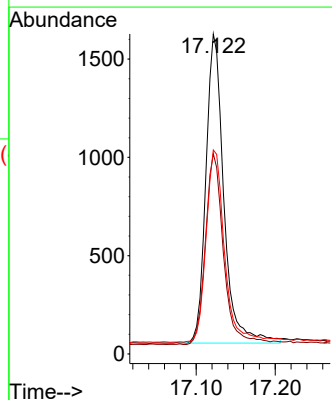
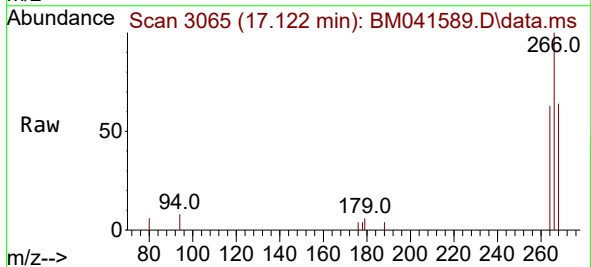
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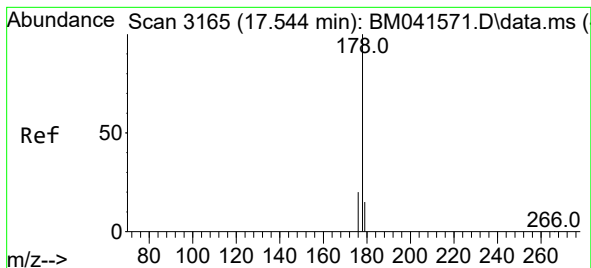
Tgt Ion:166 Resp: 9536
Ion Ratio Lower Upper
166 100
165 100.7 82.2 123.2
167 13.9 11.5 17.3



#14
Pentachlorophenol
Concen: 0.620 ng/ul
RT: 17.122 min Scan# 3065
Delta R.T. -0.004 min
Lab File: BM041589.D
Acq: 30 Aug 2023 21:52

Tgt Ion:266 Resp: 2468
Ion Ratio Lower Upper
266 100
264 62.8 49.3 73.9
268 64.4 50.2 75.4





#15

Phenanthrene

Concen: 0.315 ng/ul

RT: 17.544 min Scan# 3165

Delta R.T. -0.004 min

Lab File: BM041589.D

Acq: 30 Aug 2023 21:52

Instrument :

BNA_M

ClientSampleId :

SLCS073

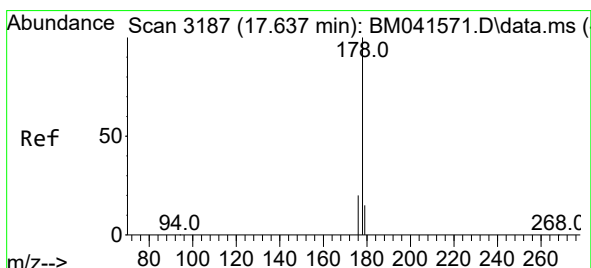
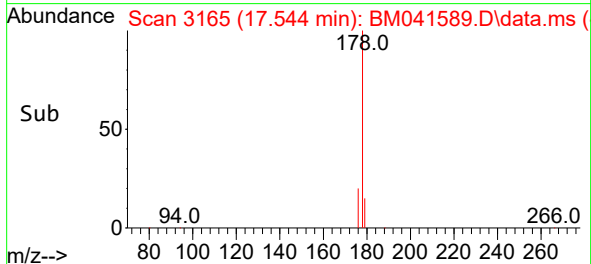
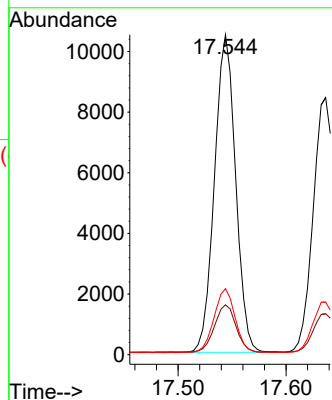
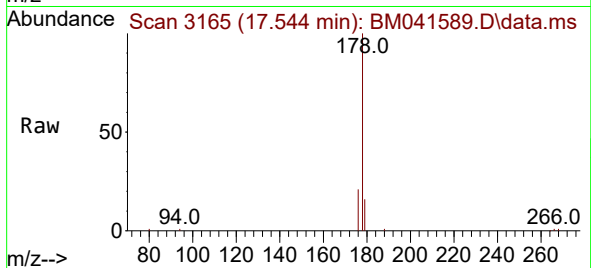
Tgt Ion:178 Resp: 14258

Ion Ratio Lower Upper

178 100

179 15.6 12.6 19.0

176 20.6 16.2 24.4



#16

Anthracene

Concen: 0.314 ng/ul

RT: 17.637 min Scan# 3187

Delta R.T. -0.004 min

Lab File: BM041589.D

Acq: 30 Aug 2023 21:52

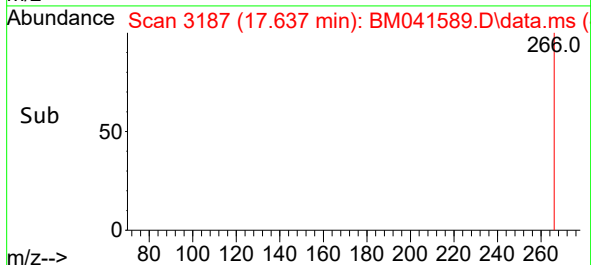
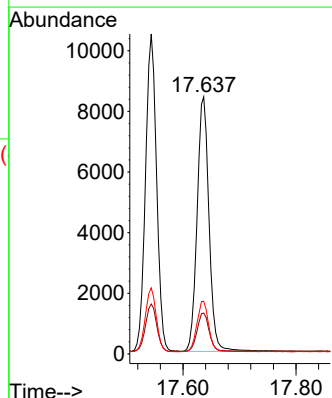
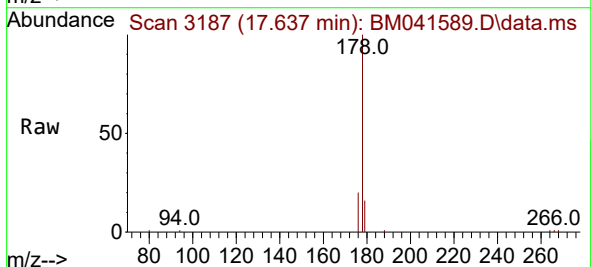
Tgt Ion:178 Resp: 12350

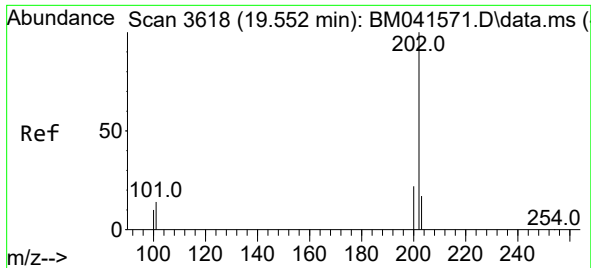
Ion Ratio Lower Upper

178 100

179 15.9 12.9 19.3

176 20.5 15.6 23.4

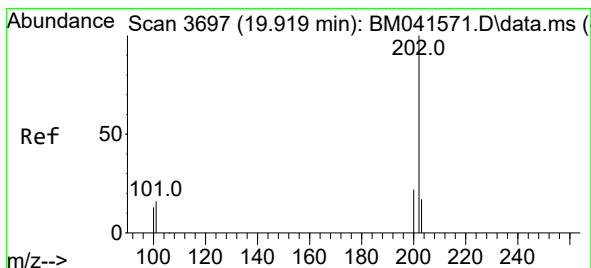
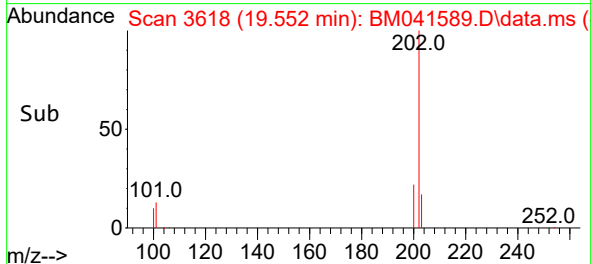
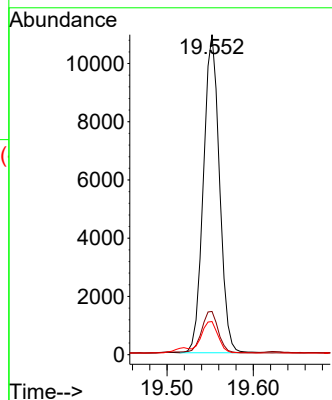
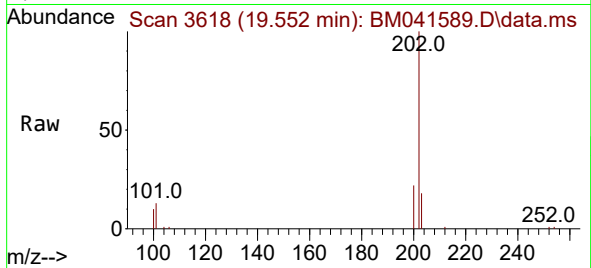




#19
Fluoranthene
Concen: 0.318 ng/ul
RT: 19.552 min Scan# 3618
Delta R.T. -0.005 min
Lab File: BM041589.D
Acq: 30 Aug 2023 21:52

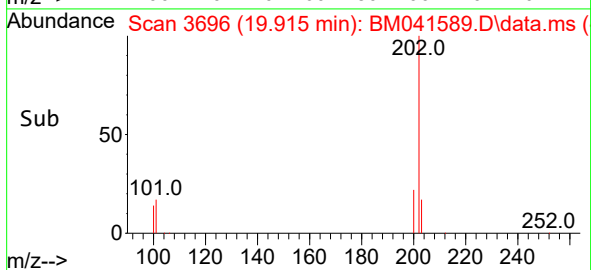
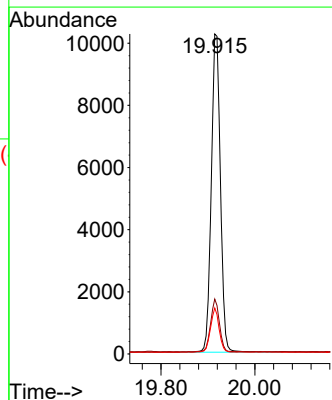
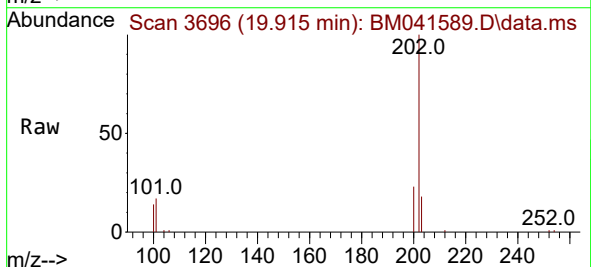
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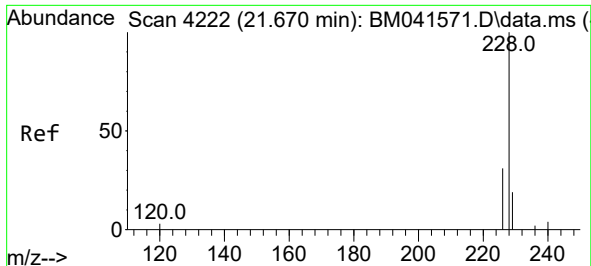
Tgt Ion:202 Resp: 14137
Ion Ratio Lower Upper
202 100
101 13.5 10.7 16.1
100 10.4 8.1 12.1



#20
Pyrene
Concen: 0.308 ng/ul
RT: 19.915 min Scan# 3696
Delta R.T. -0.009 min
Lab File: BM041589.D
Acq: 30 Aug 2023 21:52

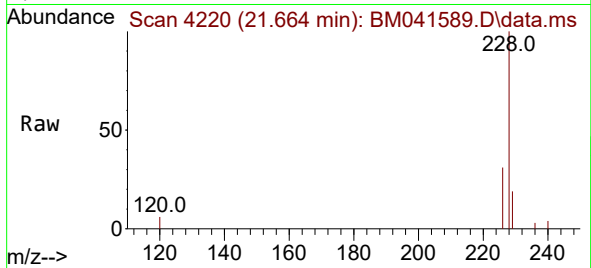
Tgt Ion:202 Resp: 13805
Ion Ratio Lower Upper
202 100
101 17.2 12.2 18.4
100 14.4 9.8 14.8



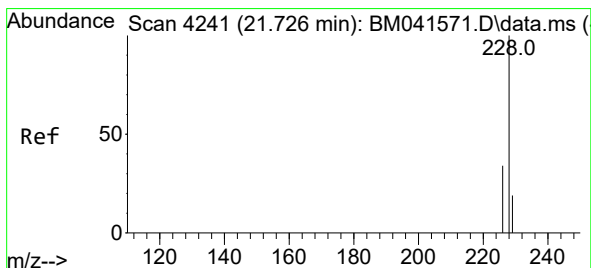
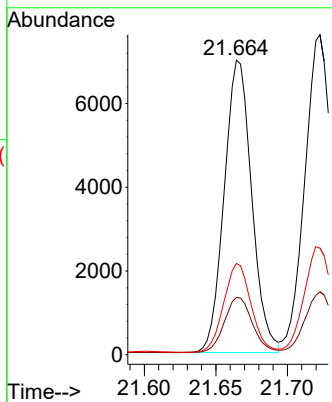
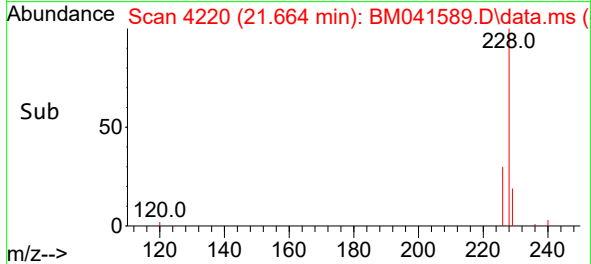


#21
Benzo(a)anthracene
Concen: 0.309 ng/ul
RT: 21.664 min Scan# 41
Delta R.T. -0.006 min
Lab File: BM041589.D
Acq: 30 Aug 2023 21:52

Instrument :
BNA_M
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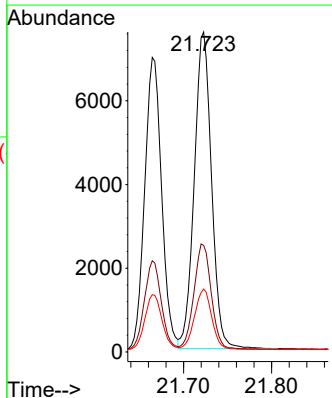
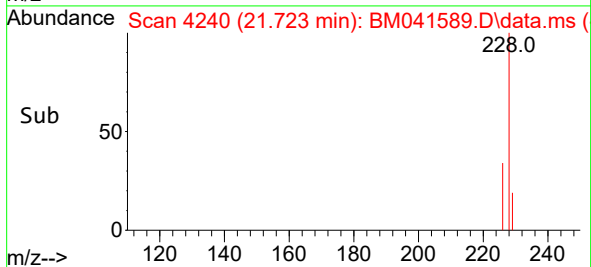
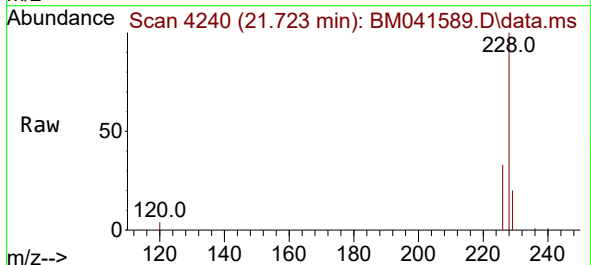


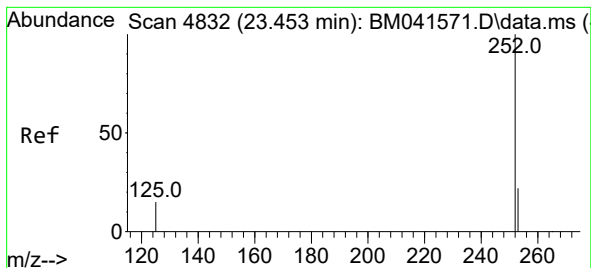
Tgt Ion:228 Resp: 9351
Ion Ratio Lower Upper
228 100
229 19.4 15.6 23.4
226 31.0 25.0 37.4



#22
Chrysene
Concen: 0.318 ng/ul
RT: 21.723 min Scan# 4240
Delta R.T. -0.006 min
Lab File: BM041589.D
Acq: 30 Aug 2023 21:52

Tgt Ion:228 Resp: 10332
Ion Ratio Lower Upper
228 100
226 33.3 26.7 40.1
229 19.7 15.9 23.9





#24

Benzo(b)fluoranthene

Concen: 0.311 ng/ul

RT: 23.447 min Scan# 4830

Delta R.T. -0.012 min

Lab File: BM041589.D

Acq: 30 Aug 2023 21:52

Instrument :

BNA_M

ClientSampleId :

SLCS073

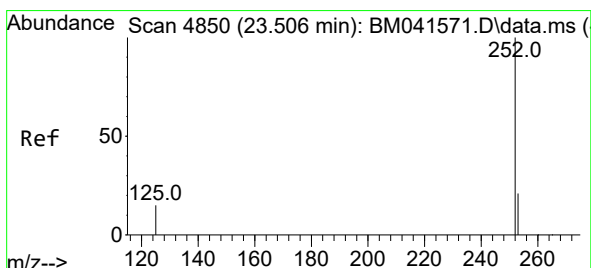
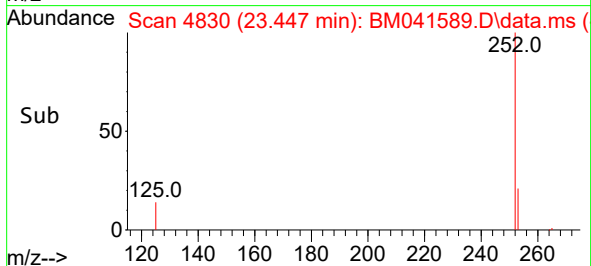
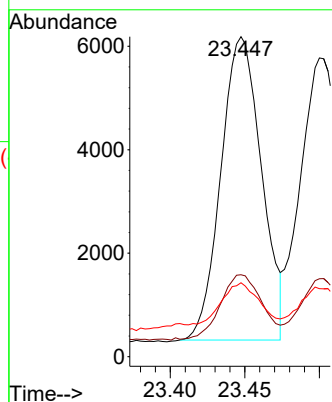
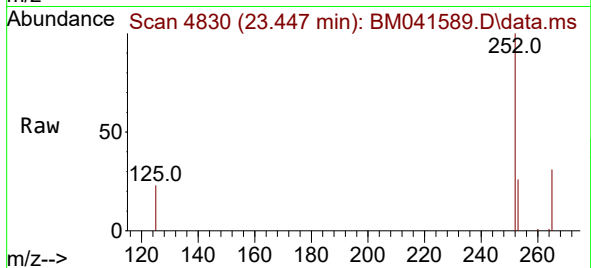
Tgt Ion:252 Resp: 11100

Ion Ratio Lower Upper

252 100

253 25.6 0.0 50.0

125 23.1 0.0 44.0



#25

Benzo(k)fluoranthene

Concen: 0.322 ng/ul

RT: 23.500 min Scan# 4848

Delta R.T. -0.012 min

Lab File: BM041589.D

Acq: 30 Aug 2023 21:52

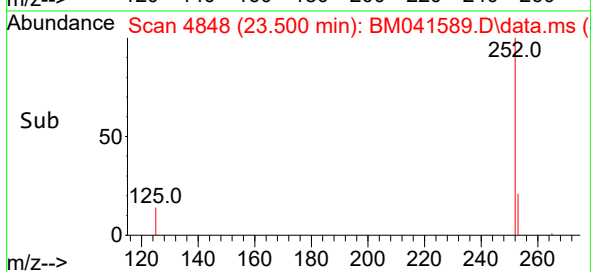
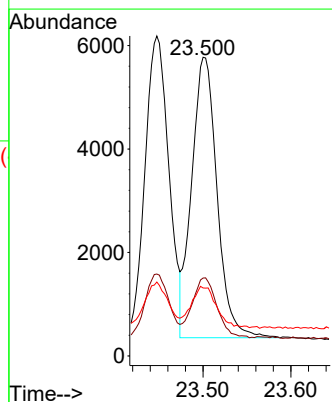
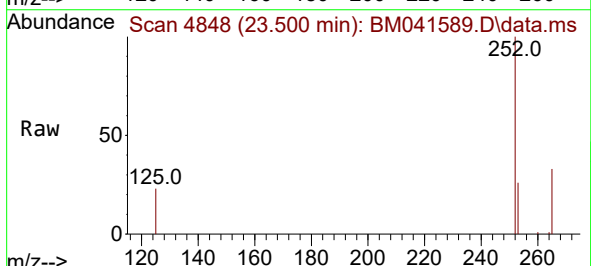
Tgt Ion:252 Resp: 10895

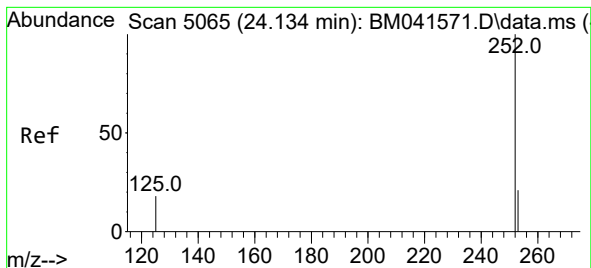
Ion Ratio Lower Upper

252 100

253 26.1 20.2 30.4

125 22.7 18.2 27.4





#26

Benzo(a)pyrene

Concen: 0.309 ng/ul

RT: 24.129 min Scan# 5065

Delta R.T. -0.009 min

Lab File: BM041589.D

Acq: 30 Aug 2023 21:52

Instrument :

BNA_M

ClientSampleId :

SLCS073

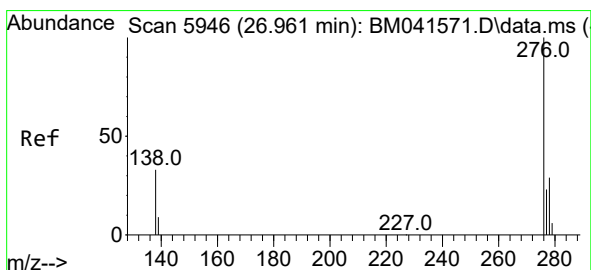
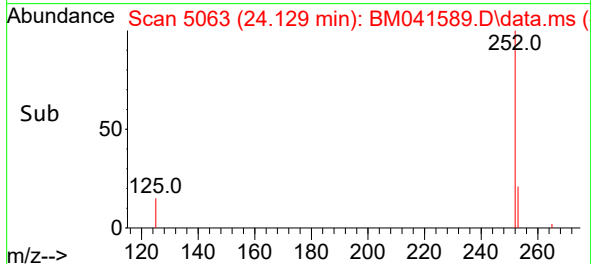
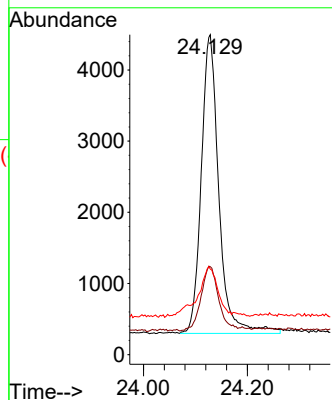
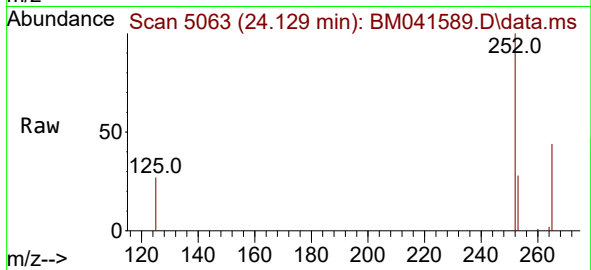
Tgt Ion:252 Resp: 9829

Ion Ratio Lower Upper

252 100

253 27.5 20.9 31.3

125 26.7 21.1 31.7



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.321 ng/ul

RT: 26.954 min Scan# 5944

Delta R.T. -0.010 min

Lab File: BM041589.D

Acq: 30 Aug 2023 21:52

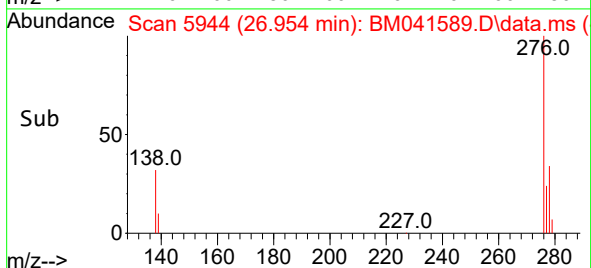
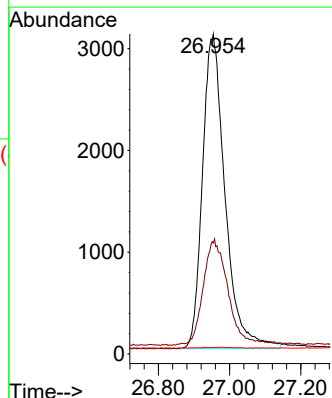
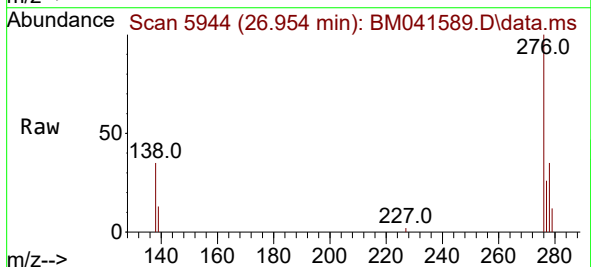
Tgt Ion:276 Resp: 13599

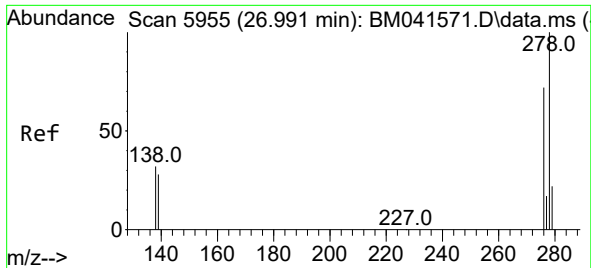
Ion Ratio Lower Upper

276 100

138 35.1 30.3 45.5

227 0.0 0.1 0.1#

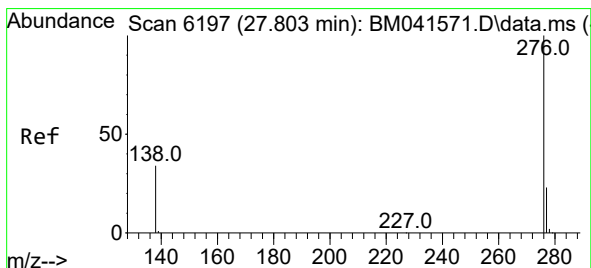
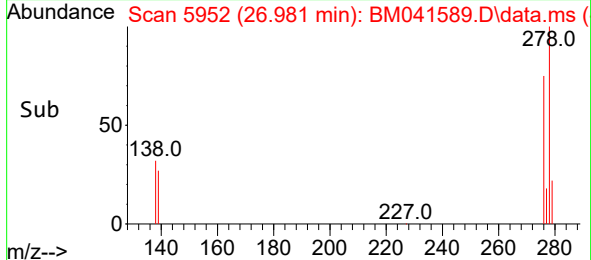
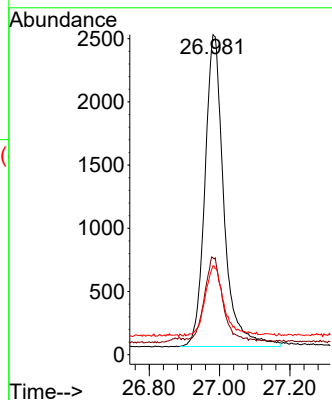
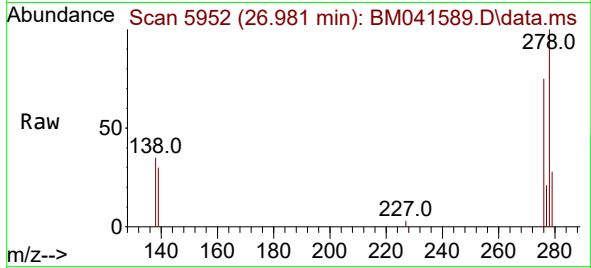




#28
Dibenzo(a,h)anthracene
Concen: 0.324 ng/ul
RT: 26.981 min Scan# 5955
Delta R.T. -0.013 min
Lab File: BM041589.D
Acq: 30 Aug 2023 21:52

Instrument :
BNA_M
ClientSampleId :
SLCS073

Tgt Ion:278 Resp: 9239
Ion Ratio Lower Upper
278 100
139 30.3 25.0 37.4
279 27.8 22.6 34.0



#29
Benzo(g,h,i)perylene
Concen: 0.328 ng/ul
RT: 27.793 min Scan# 6194
Delta R.T. -0.013 min
Lab File: BM041589.D
Acq: 30 Aug 2023 21:52

Tgt Ion:276 Resp: 11675
Ion Ratio Lower Upper
276 100
138 34.5 27.4 41.0
277 25.6 20.4 30.6

