

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
 Data File : BM041041.D
 Acq On : 22 Jul 2023 05:58
 Operator : MA/JU
 Sample : PB154169BS
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS169

Quant Time: Jul 22 06:29:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 21 18:20:46 2023
 Response via : Initial Calibration

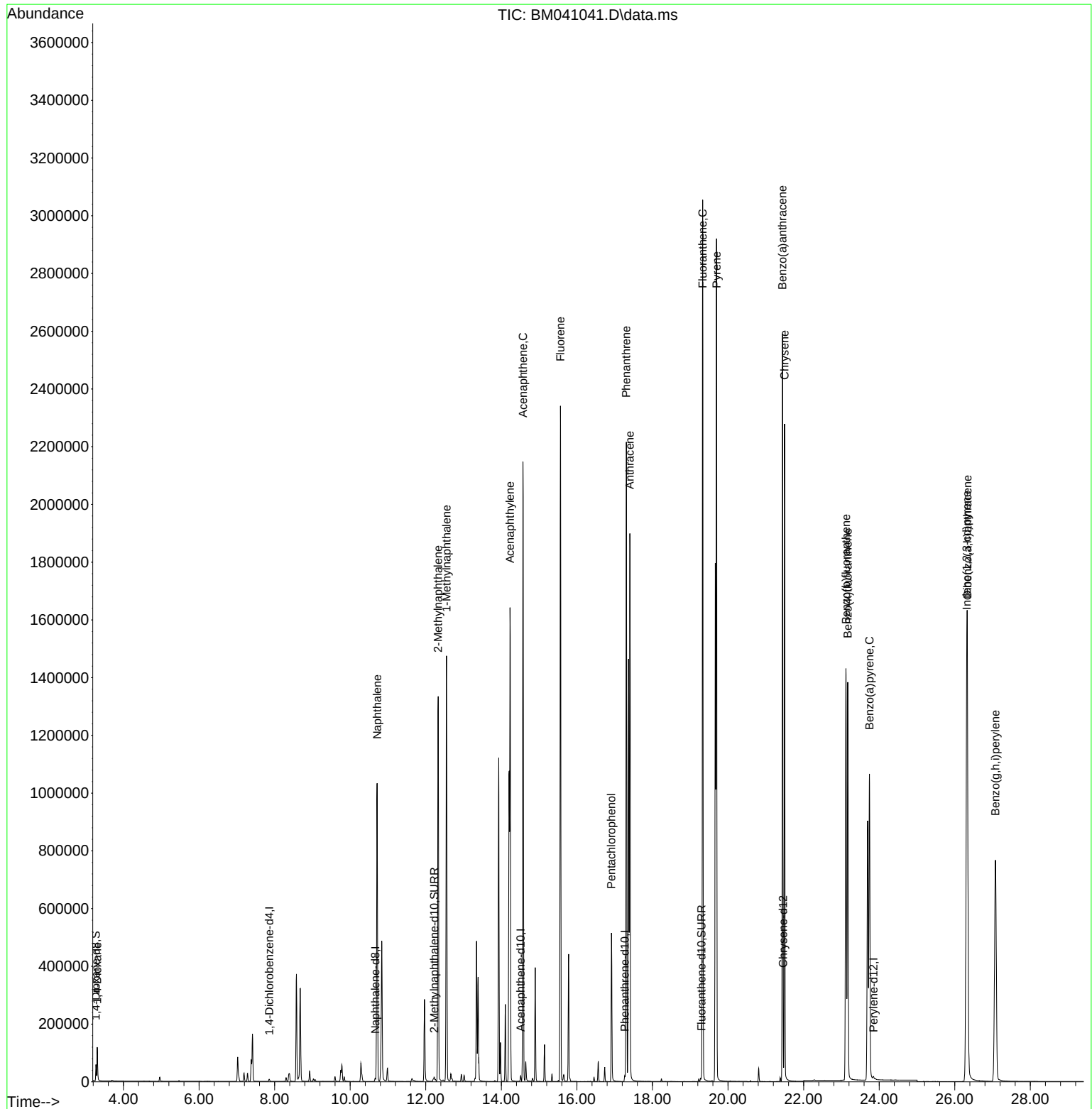
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	4079	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.664	136	15737	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.513	164	10669	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.265	188	23827	0.400	ng/ul	-0.01
17) Chrysene-d12	21.460	240	14027	0.400	ng/ul	# 0.00
23) Perylene-d12	23.848	264	13717	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.271	96	32573	4.857	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.225	152	30196	1.440	ng/ul	-0.04
18) Fluoranthene-d10	19.297	212	20019	0.339	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.309	88	74833	10.602	ng/ul#	67
5) Naphthalene	10.713	128	1367525	31.771	ng/ul	97
7) 2-Methylnaphthalene	12.330	142	929251	39.348	ng/ul	96
8) 1-Methylnaphthalene	12.550	142	985361	39.271	ng/ul	99
10) Acenaphthylene	14.231	152	1691463	37.849	ng/ul	97
11) Acenaphthene	14.573	153	1176942	29.879	ng/ul	96
12) Fluorene	15.564	166	1435525	35.200	ng/ul	96
14) Pentachlorophenol	16.915	266	318820	66.408	ng/ul	98
15) Phenanthrene	17.308	178	2240461	31.459	ng/ul	98
16) Anthracene	17.400	178	1930079	34.782	ng/ul	97
19) Fluoranthene	19.329	202	2424758	33.481	ng/ul#	93
20) Pyrene	19.696	202	2278333	30.793	ng/ul#	92
21) Benzo(a)anthracene	21.442	228	2069944	48.442	ng/ul	99
22) Chrysene	21.498	228	1801848	36.886	ng/ul	99
24) Benzo(b)fluoranthene	23.120	252	1861298	35.353	ng/ul	81
25) Benzo(k)fluoranthene	23.167	252	1729162	34.567	ng/ul#	81
26) Benzo(a)pyrene	23.743	252	1494259	32.859	ng/ul#	70
27) Indeno(1,2,3-cd)pyrene	26.317	276	2039882	33.804	ng/ul#	91
28) Dibenzo(a,h)anthracene	26.334	278	1627091	35.646	ng/ul#	82
29) Benzo(g,h,i)perylene	27.075	276	1718884	30.823	ng/ul#	90

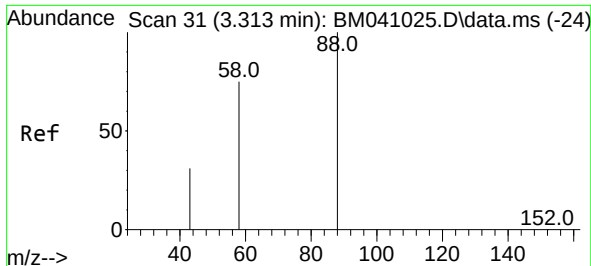
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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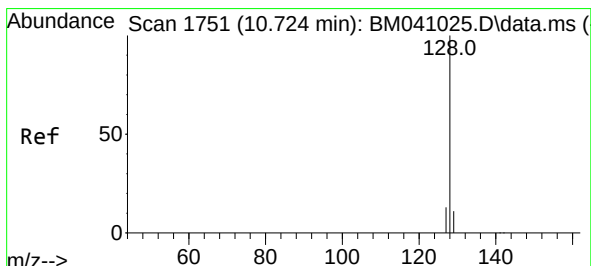
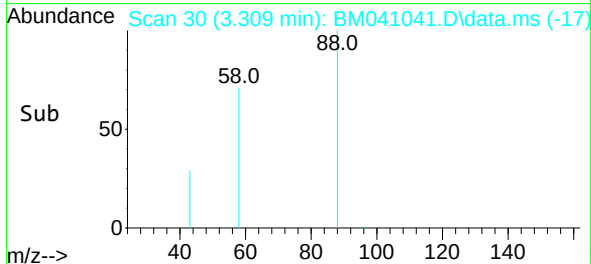
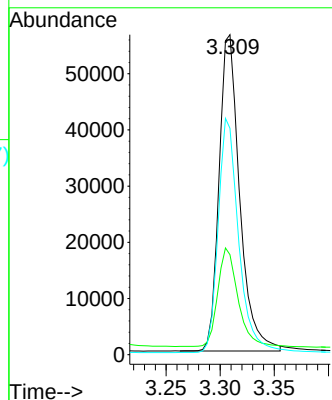
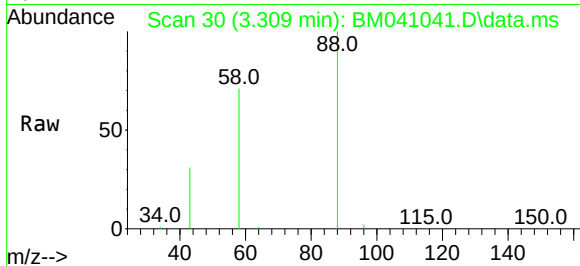




#2
1,4-Dioxane
Concen: 10.602 ng/ul
RT: 3.309 min Scan# 30
Delta R.T. -0.004 min
Lab File: BM041041.D
Acq: 22 Jul 2023 05:58

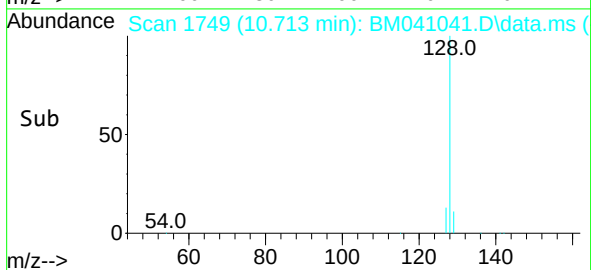
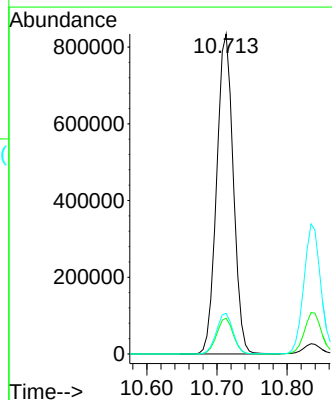
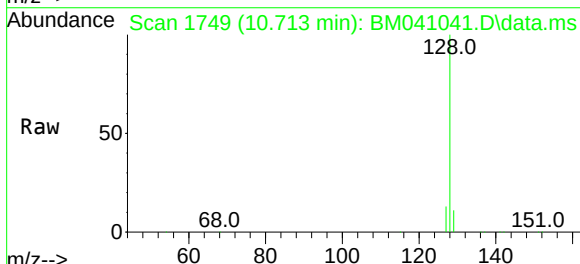
Instrument :
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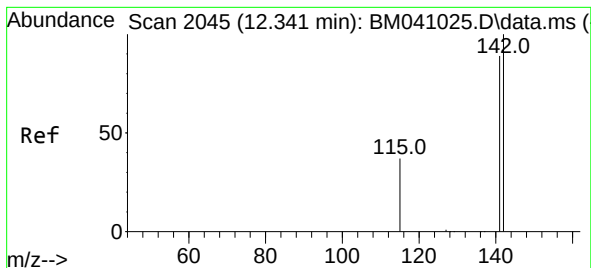
Tgt Ion: 88 Resp: 74833
Ion Ratio Lower Upper
88 100
43 31.2 46.7 70.1#
58 70.8 40.3 60.5#



#5
Naphthalene
Concen: 31.771 ng/ul
RT: 10.713 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BM041041.D
Acq: 22 Jul 2023 05:58

Tgt Ion: 128 Resp: 1367525
Ion Ratio Lower Upper
128 100
129 11.1 9.8 14.8
127 12.7 11.0 16.4

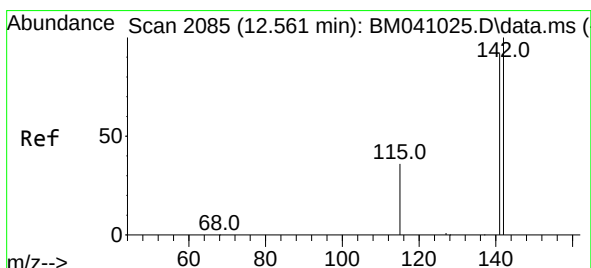
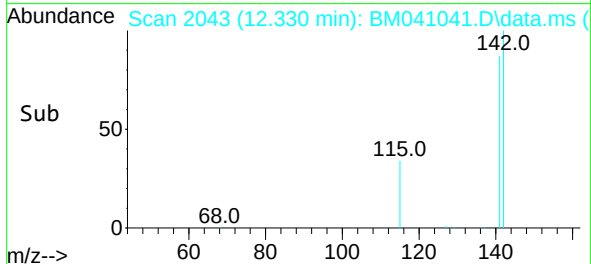
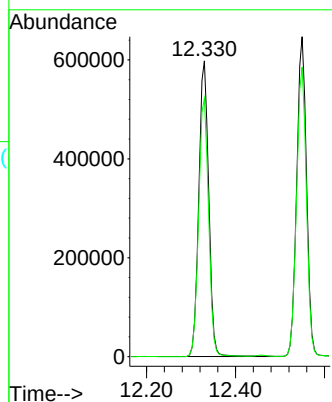
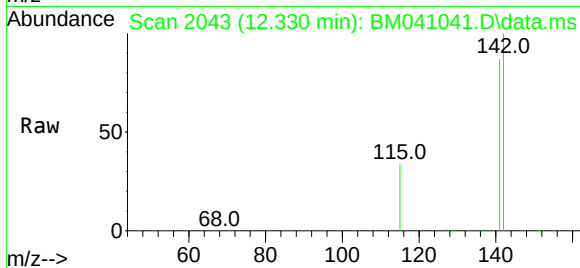




#7
2-Methylnaphthalene
Concen: 39.348 ng/ul
RT: 12.330 min Scan# 2043
Delta R.T. -0.011 min
Lab File: BM041041.D
Acq: 22 Jul 2023 05:58

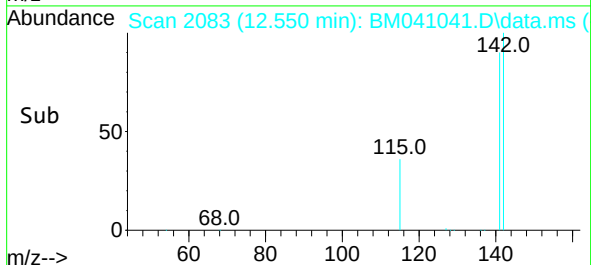
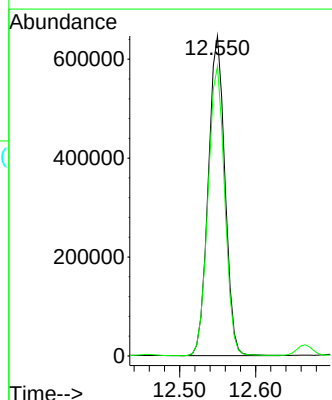
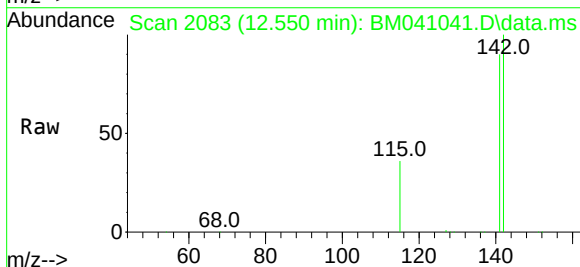
Instrument :
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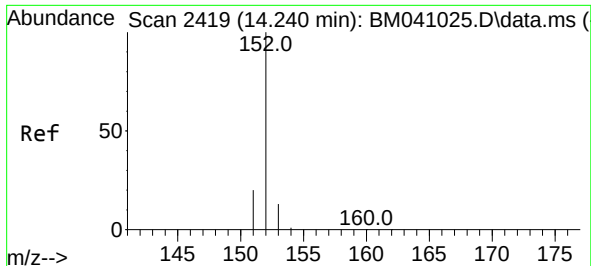
Tgt Ion:142 Resp: 929251
Ion Ratio Lower Upper
142 100
141 87.7 73.2 109.8



#8
1-Methylnaphthalene
Concen: 39.271 ng/ul
RT: 12.550 min Scan# 2083
Delta R.T. -0.011 min
Lab File: BM041041.D
Acq: 22 Jul 2023 05:58

Tgt Ion:142 Resp: 985361
Ion Ratio Lower Upper
142 100
141 91.1 73.4 110.2

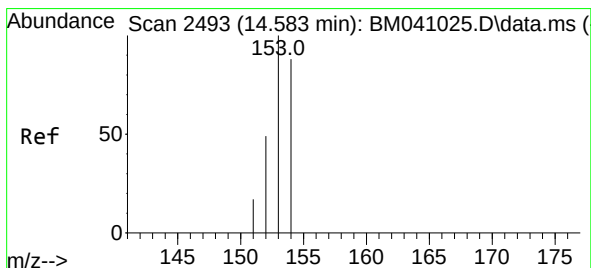
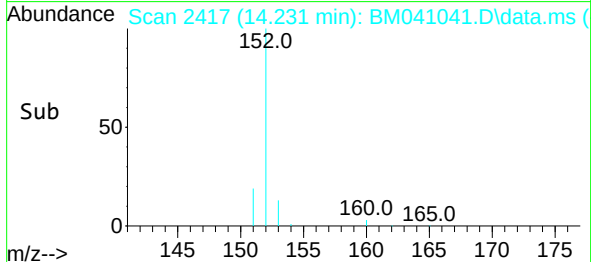
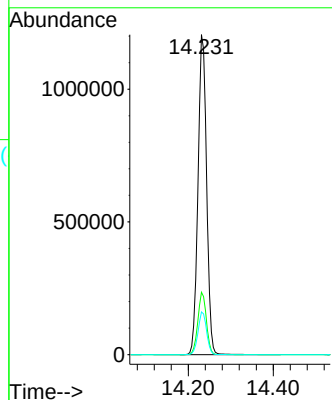
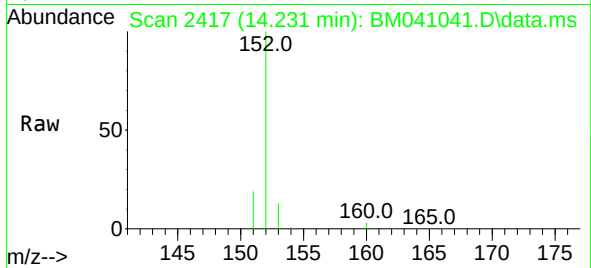




#10
Acenaphthylene
Concen: 37.849 ng/ul
RT: 14.231 min Scan# 2417
Delta R.T. -0.009 min
Lab File: BM041041.D
Acq: 22 Jul 2023 05:58

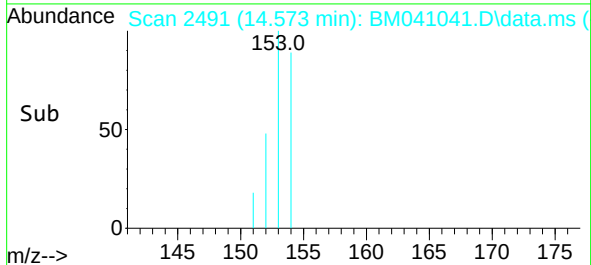
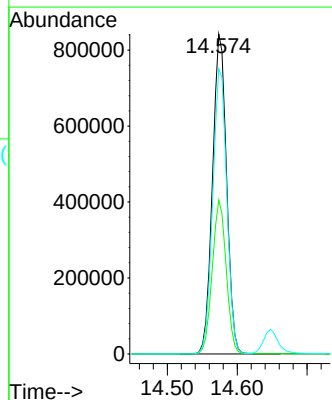
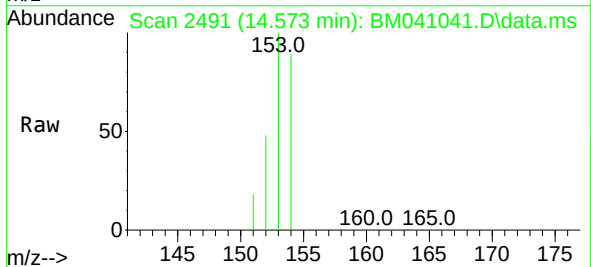
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ClientSampleId :
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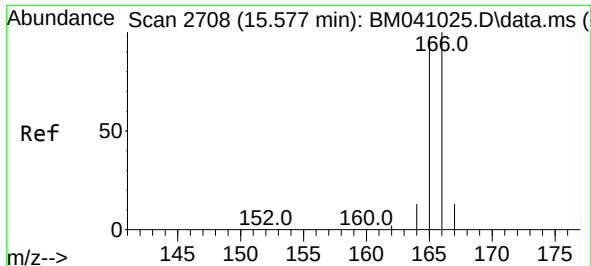
Tgt Ion:152 Resp: 1691463
Ion Ratio Lower Upper
152 100
151 19.5 16.8 25.2
153 13.3 11.6 17.4



#11
Acenaphthene
Concen: 29.879 ng/ul
RT: 14.573 min Scan# 2491
Delta R.T. -0.009 min
Lab File: BM041041.D
Acq: 22 Jul 2023 05:58

Tgt Ion:153 Resp: 1176942
Ion Ratio Lower Upper
153 100
152 48.1 41.0 61.6
154 89.1 68.2 102.2

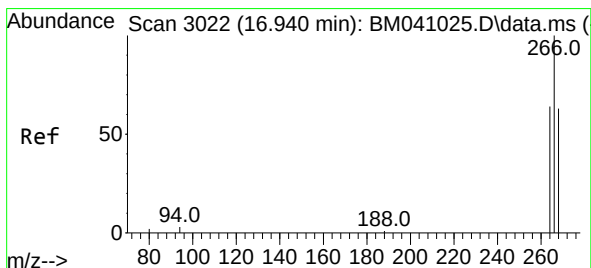
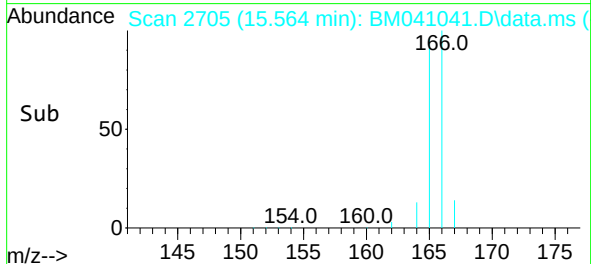
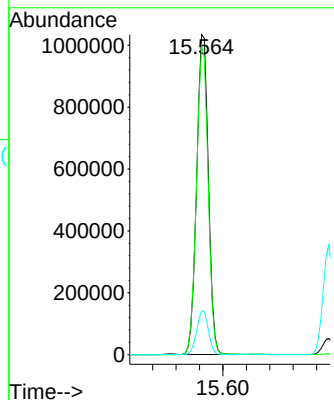
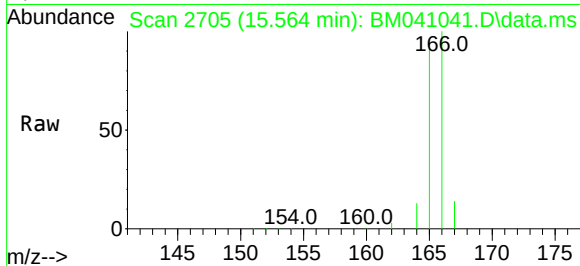




#12
 Fluorene
 Concen: 35.200 ng/ul
 RT: 15.564 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BM041041.D
 Acq: 22 Jul 2023 05:58

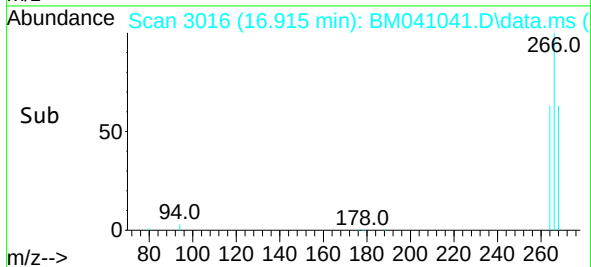
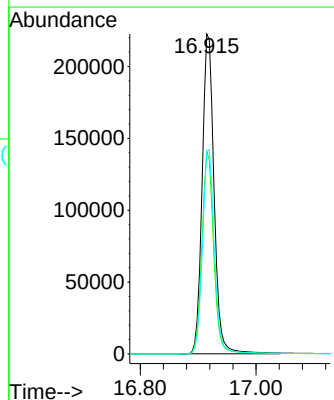
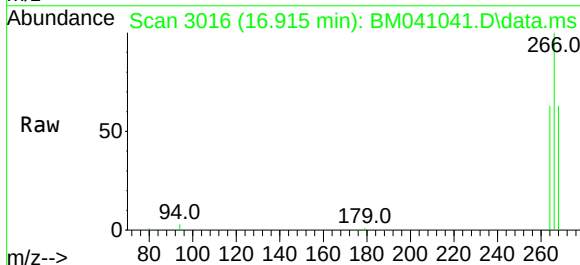
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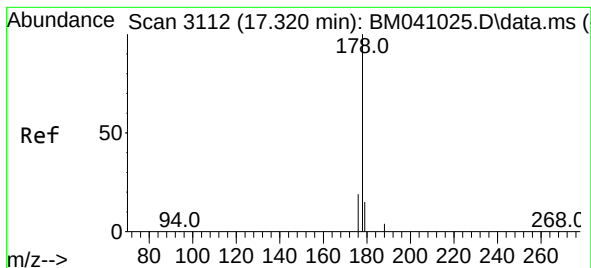
Tgt Ion:166 Resp: 1435525
 Ion Ratio Lower Upper
 166 100
 165 96.4 80.3 120.5
 167 13.8 11.7 17.5



#14
 Pentachlorophenol
 Concen: 66.408 ng/ul
 RT: 16.915 min Scan# 3016
 Delta R.T. -0.025 min
 Lab File: BM041041.D
 Acq: 22 Jul 2023 05:58

Tgt Ion:266 Resp: 318820
 Ion Ratio Lower Upper
 266 100
 264 62.5 50.7 76.1
 268 64.0 52.8 79.2





#15

Phenanthrene

Concen: 31.459 ng/ul

RT: 17.308 min Scan# 3112

Delta R.T. -0.009 min

Lab File: BM041041.D

Acq: 22 Jul 2023 05:58

Instrument :

BNA_M

ClientSampleId :

SLCS169

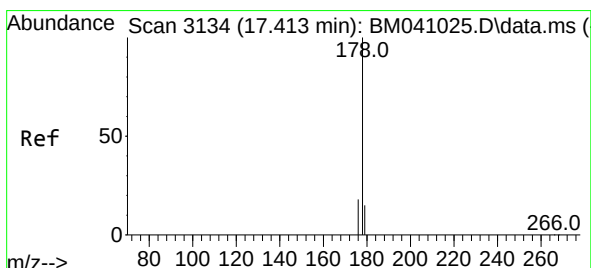
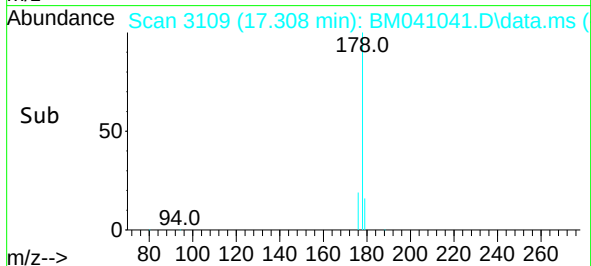
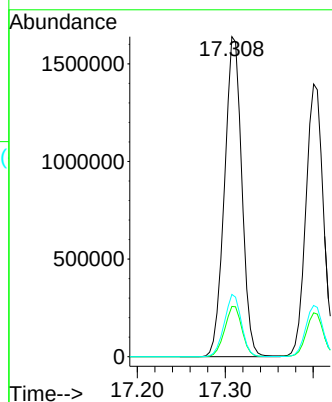
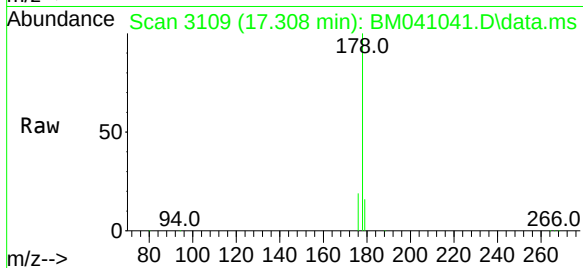
Tgt Ion:178 Resp: 2240461

Ion Ratio Lower Upper

178 100

179 15.7 13.0 19.6

176 19.4 16.2 24.4



#16

Anthracene

Concen: 34.782 ng/ul

RT: 17.400 min Scan# 3131

Delta R.T. -0.013 min

Lab File: BM041041.D

Acq: 22 Jul 2023 05:58

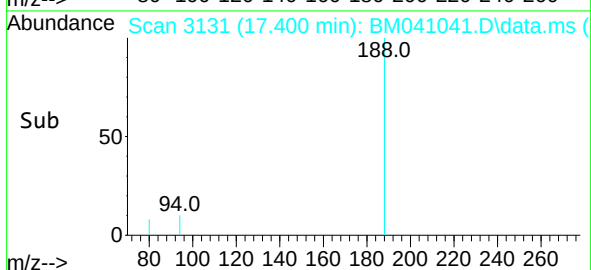
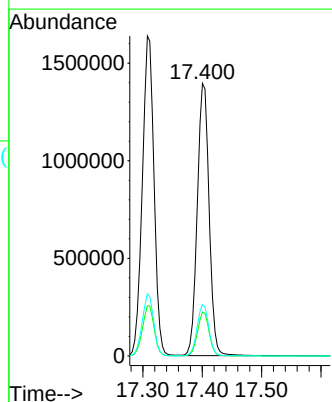
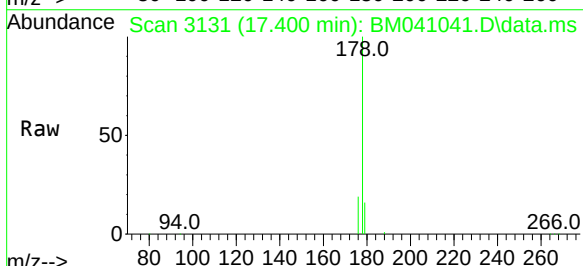
Tgt Ion:178 Resp: 1930079

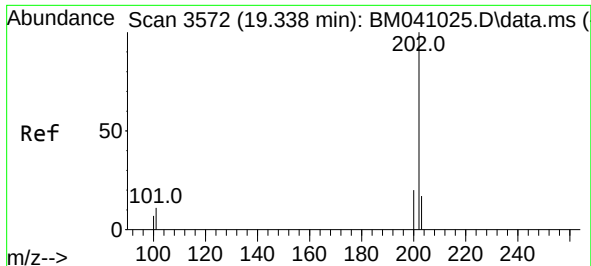
Ion Ratio Lower Upper

178 100

179 16.1 13.7 20.5

176 18.8 16.4 24.6

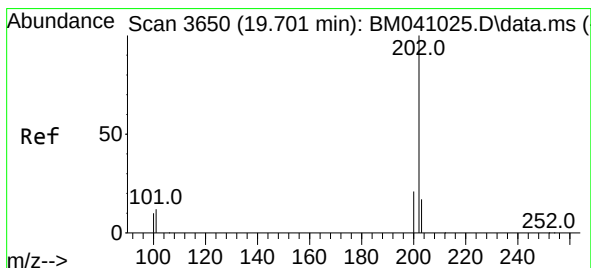
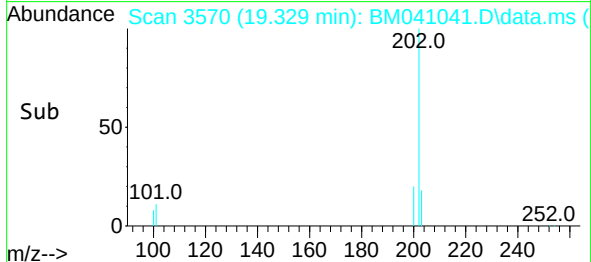
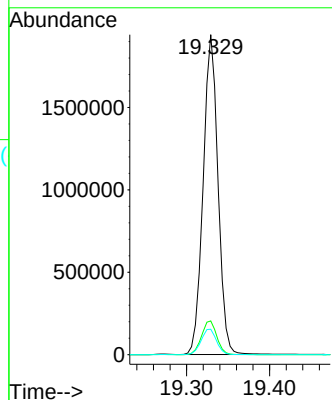
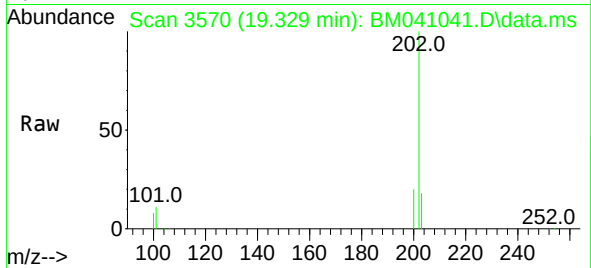




#19
Fluoranthene
Concen: 33.481 ng/ul
RT: 19.329 min Scan# 31
Delta R.T. -0.009 min
Lab File: BM041041.D
Acq: 22 Jul 2023 05:58

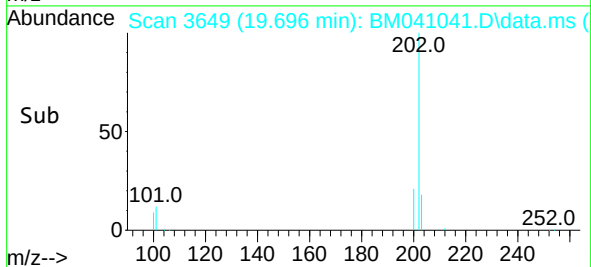
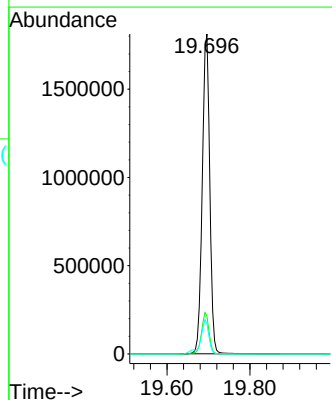
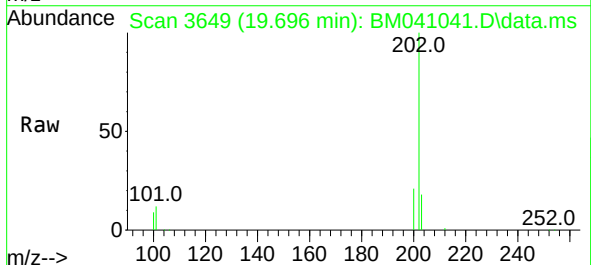
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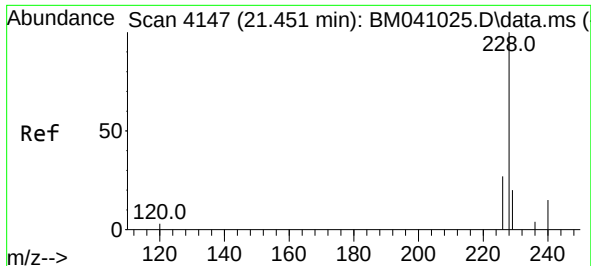
Tgt Ion:202 Resp: 2424758
Ion Ratio Lower Upper
202 100
101 10.6 11.0 16.4#
100 8.0 8.3 12.5#



#20
Pyrene
Concen: 30.793 ng/ul
RT: 19.696 min Scan# 3649
Delta R.T. -0.005 min
Lab File: BM041041.D
Acq: 22 Jul 2023 05:58

Tgt Ion:202 Resp: 2278333
Ion Ratio Lower Upper
202 100
101 11.9 12.5 18.7#
100 9.5 10.0 15.0#

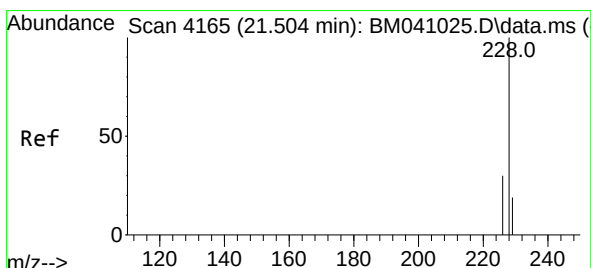
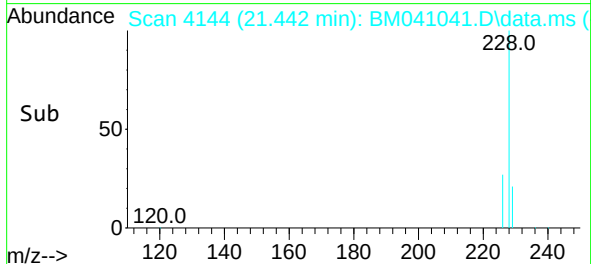
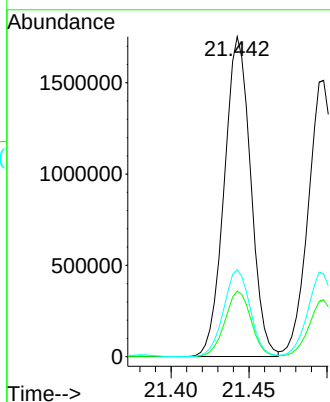
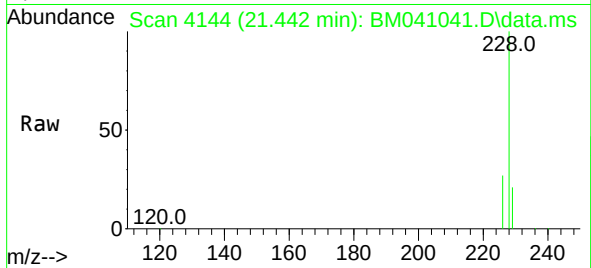




#21
Benzo(a)anthracene
Concen: 48.442 ng/ul
RT: 21.442 min Scan# 4147
Delta R.T. -0.009 min
Lab File: BM041041.D
Acq: 22 Jul 2023 05:58

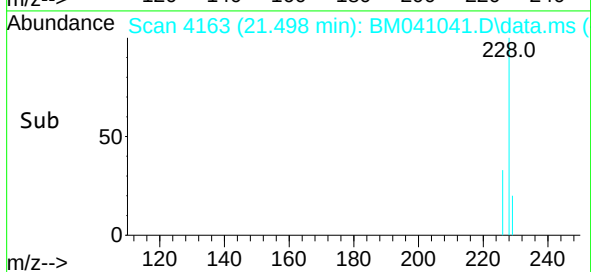
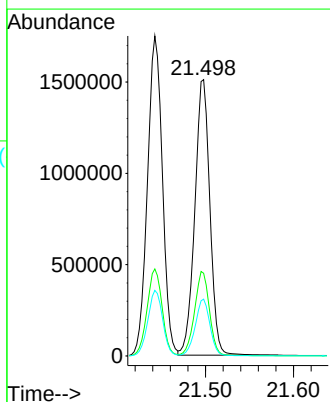
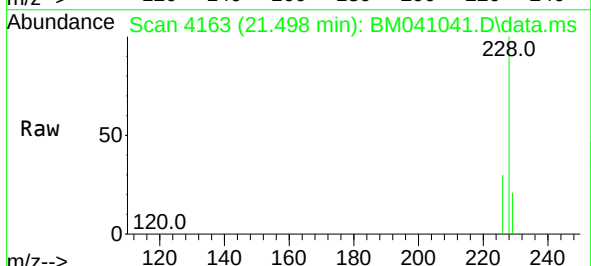
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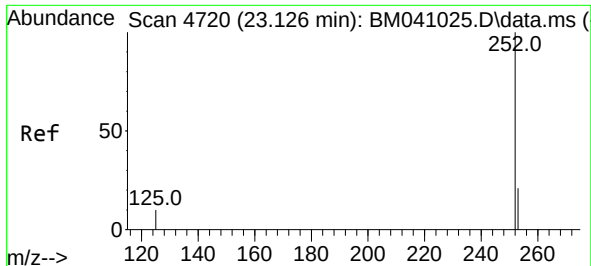
Tgt Ion:228 Resp: 2069944
Ion Ratio Lower Upper
228 100
229 20.5 16.2 24.4
226 27.2 22.3 33.5



#22
Chrysene
Concen: 36.886 ng/ul
RT: 21.498 min Scan# 4163
Delta R.T. -0.006 min
Lab File: BM041041.D
Acq: 22 Jul 2023 05:58

Tgt Ion:228 Resp: 1801848
Ion Ratio Lower Upper
228 100
226 29.9 24.6 37.0
229 20.6 16.1 24.1

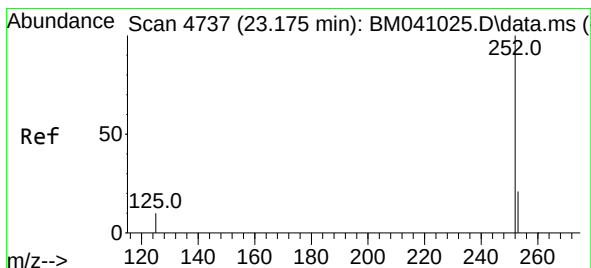
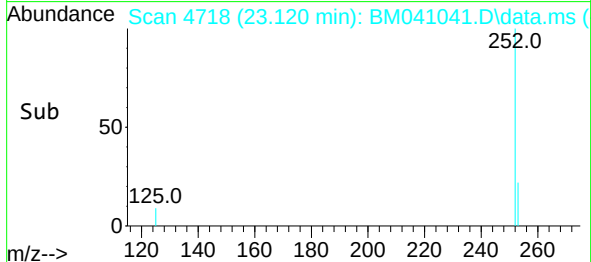
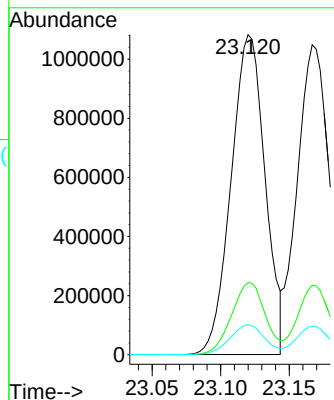
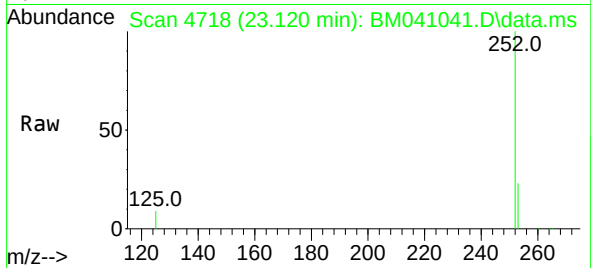




#24
Benzo(b)fluoranthene
Concen: 35.353 ng/ul
RT: 23.120 min Scan# 4718
Delta R.T. -0.009 min
Lab File: BM041041.D
Acq: 22 Jul 2023 05:58

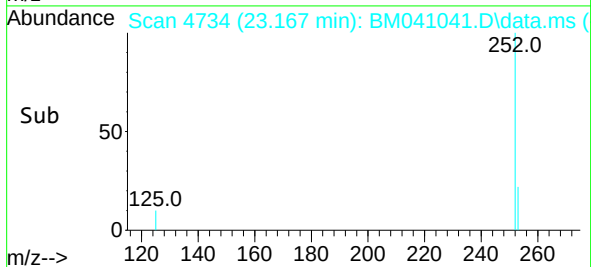
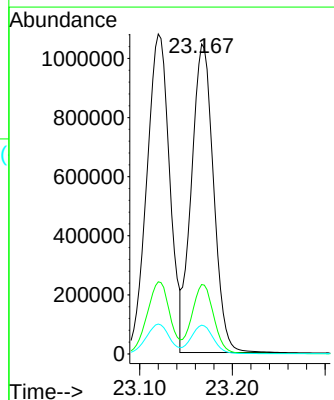
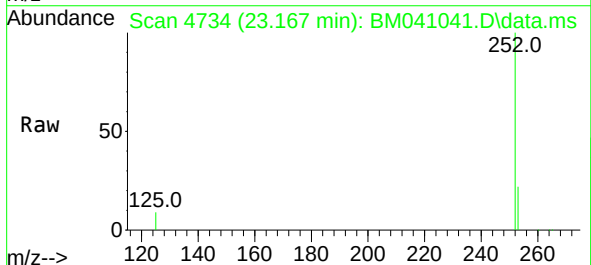
Instrument :
BNA_M
ClientSampleId :
SLCS169

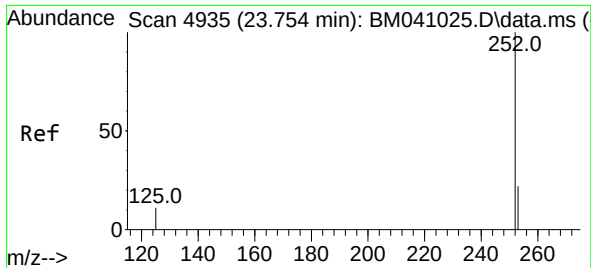
Tgt Ion:252 Resp: 1861298
Ion Ratio Lower Upper
252 100
253 22.6 0.0 57.4
125 9.3 0.0 45.2



#25
Benzo(k)fluoranthene
Concen: 34.567 ng/ul
RT: 23.167 min Scan# 4734
Delta R.T. -0.012 min
Lab File: BM041041.D
Acq: 22 Jul 2023 05:58

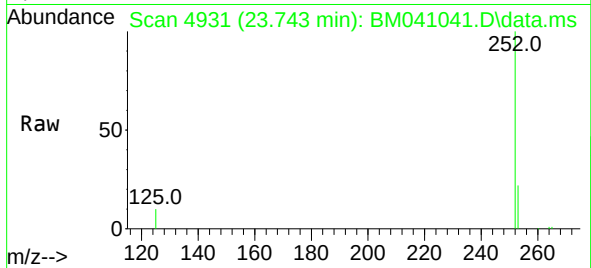
Tgt Ion:252 Resp: 1729162
Ion Ratio Lower Upper
252 100
253 22.4 23.3 34.9#
125 9.3 18.2 27.2#



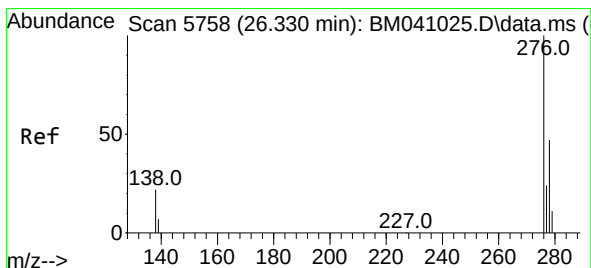
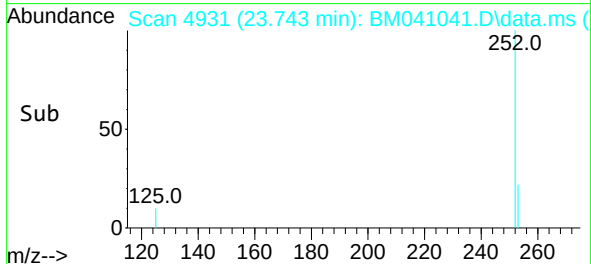
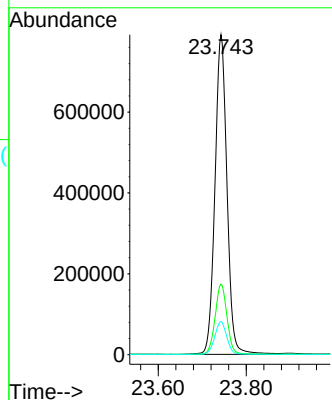


#26
Benzo(a)pyrene
Concen: 32.859 ng/ul
RT: 23.743 min Scan# 4935
Delta R.T. -0.015 min
Lab File: BM041041.D
Acq: 22 Jul 2023 05:58

Instrument :
BNA_M
ClientSampleId :
SLCS169

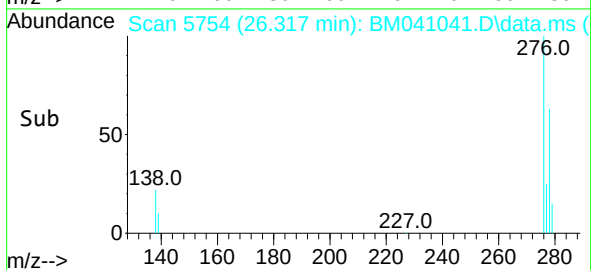
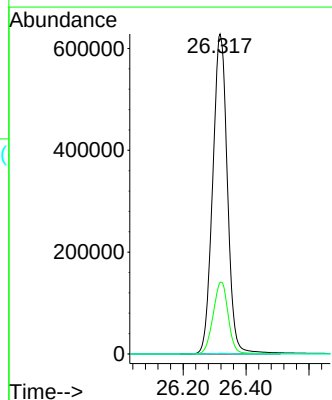
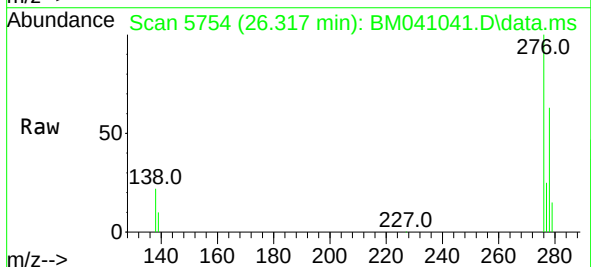


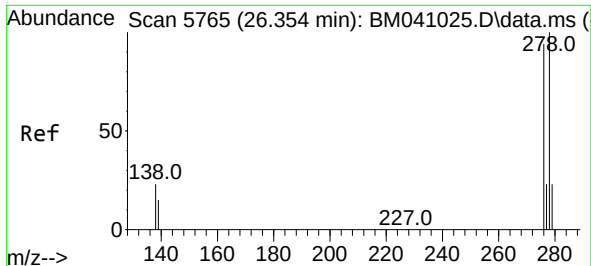
Tgt Ion:252 Resp: 1494259
Ion Ratio Lower Upper
252 100
253 22.1 28.2 42.2#
125 10.4 25.2 37.8#



#27
Indeno(1,2,3-cd)pyrene
Concen: 33.804 ng/ul
RT: 26.317 min Scan# 5754
Delta R.T. -0.020 min
Lab File: BM041041.D
Acq: 22 Jul 2023 05:58

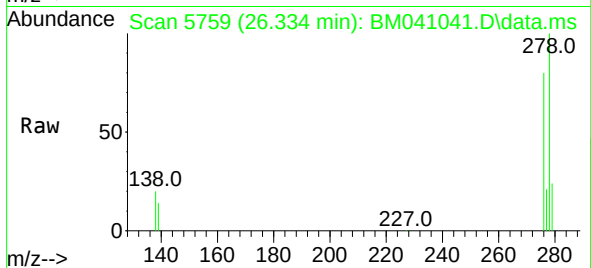
Tgt Ion:276 Resp: 2039882
Ion Ratio Lower Upper
276 100
138 23.1 22.3 33.5
227 0.2 0.0 0.0#



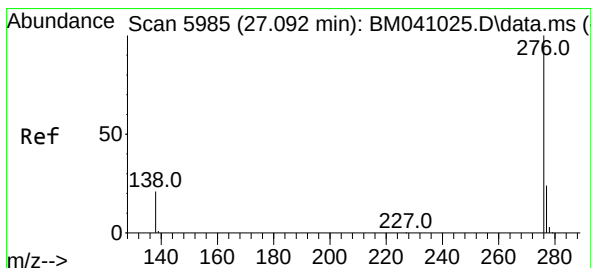
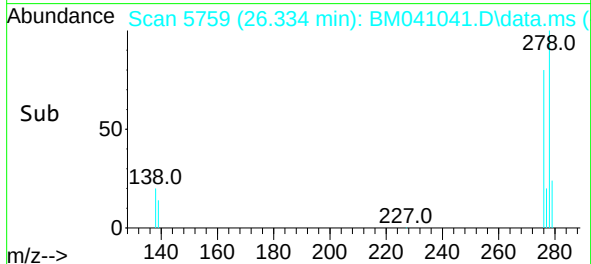
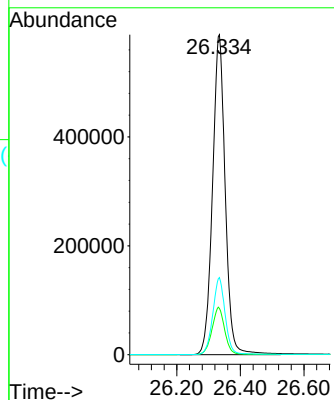


#28
Dibenzo(a,h)anthracene
Concen: 35.646 ng/ul
RT: 26.334 min Scan# 5759
Delta R.T. -0.020 min
Lab File: BM041041.D
Acq: 22 Jul 2023 05:58

Instrument :
BNA_M
ClientSampleId :
SLCS169



Tgt Ion:278 Resp: 1627091
Ion Ratio Lower Upper
278 100
139 14.5 19.2 28.8#
279 24.1 27.0 40.6#



#29
Benzo(g,h,i)perylene
Concen: 30.823 ng/ul
RT: 27.075 min Scan# 5980
Delta R.T. -0.017 min
Lab File: BM041041.D
Acq: 22 Jul 2023 05:58

Tgt Ion:276 Resp: 1718884
Ion Ratio Lower Upper
276 100
138 20.1 22.6 34.0#
277 23.9 21.2 31.8

