

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072723\
 Data File : BM041151.D
 Acq On : 27 Jul 2023 12:38
 Operator : MA/JU
 Sample : PB154091BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS091

Quant Time: Jul 28 03:29:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 26 04:20:13 2023
 Response via : Initial Calibration

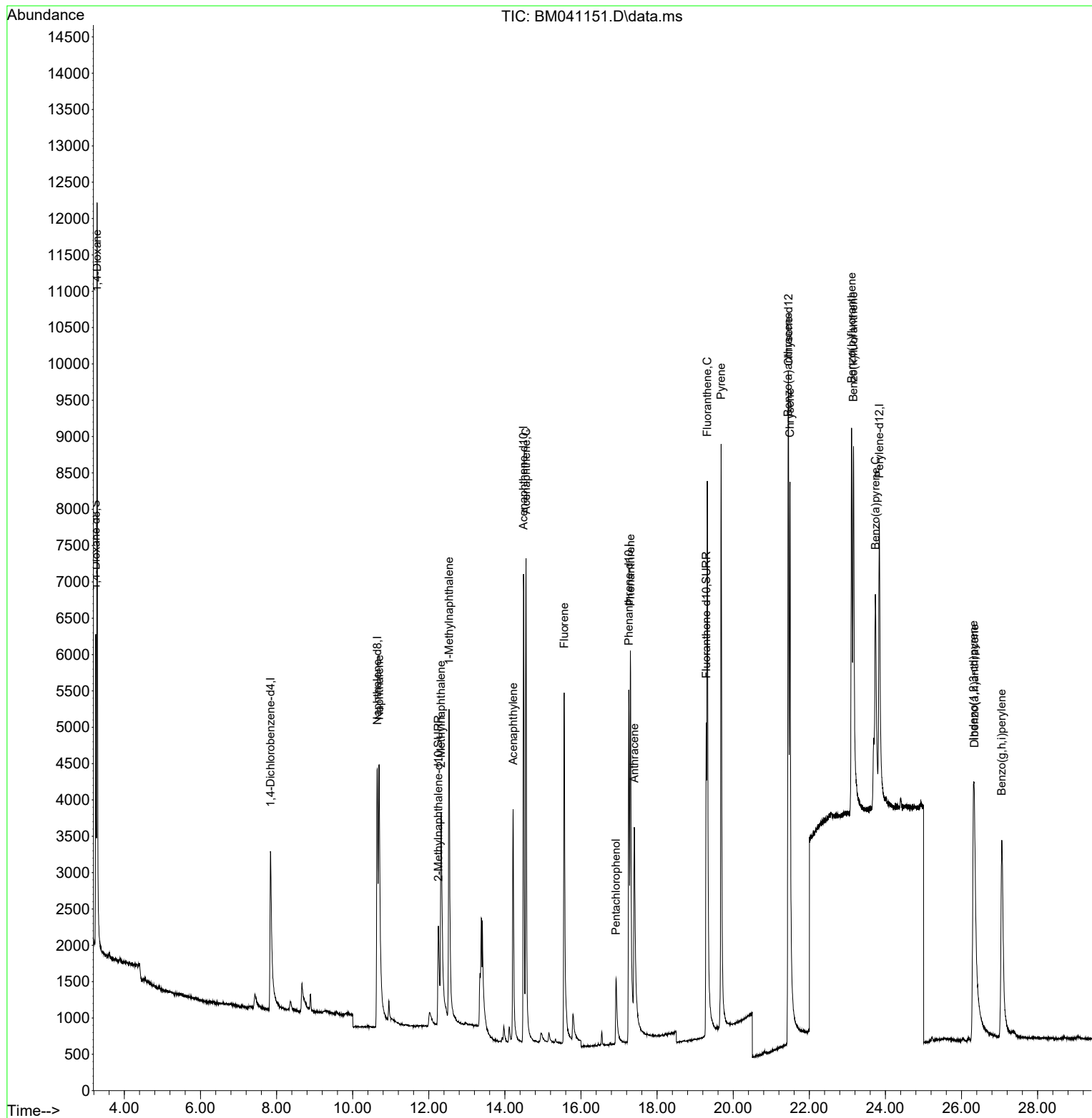
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	2540	0.400	ng/ul	0.00
4) Naphthalene-d8	10.647	136	8889	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.490	164	4405	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.257	188	7931	0.400	ng/ul	0.00
17) Chrysene-d12	21.454	240	7369	0.400	ng/ul	0.00
23) Perylene-d12	23.842	264	6524	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.250	96	2575	0.657	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.253	152	3732	0.294	ng/ul	0.02
18) Fluoranthene-d10	19.292	212	6862	0.342	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.284	88	6531	1.631	ng/ul#	45
5) Naphthalene	10.697	128	7438	0.257	ng/ul	98
7) 2-Methylnaphthalene	12.324	142	4114	0.290	ng/ul	99
8) 1-Methylnaphthalene	12.533	142	4248	0.292	ng/ul	99
10) Acenaphthylene	14.217	152	5293	0.284	ng/ul	98
11) Acenaphthene	14.555	153	4628	0.295	ng/ul	98
12) Fluorene	15.559	166	4792	0.280	ng/ul	99
14) Pentachlorophenol	16.919	266	1086	0.470	ng/ul	98
15) Phenanthrene	17.299	178	7291	0.298	ng/ul	97
16) Anthracene	17.400	178	5574	0.282	ng/ul	95
19) Fluoranthene	19.320	202	8566	0.324	ng/ul	99
20) Pyrene	19.682	202	9372	0.322	ng/ul	98
21) Benzo(a)anthracene	21.442	228	6670	0.271	ng/ul	99
22) Chrysene	21.492	228	8623	0.303	ng/ul	100
24) Benzo(b)fluoranthene	23.111	252	7993	0.307	ng/ul	95
25) Benzo(k)fluoranthene	23.161	252	8078	0.326	ng/ul#	93
26) Benzo(a)pyrene	23.737	252	6667	0.317	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	26.314	276	8488	0.272	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.337	278	6465	0.264	ng/ul#	86
29) Benzo(g,h,i)perylene	27.058	276	8313	0.298	ng/ul	97

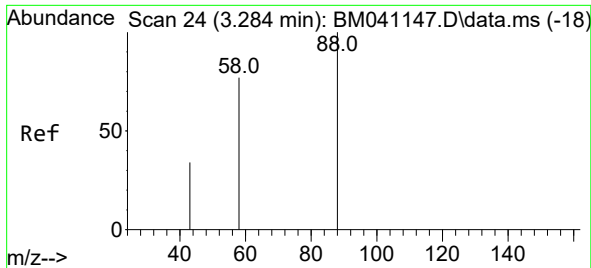
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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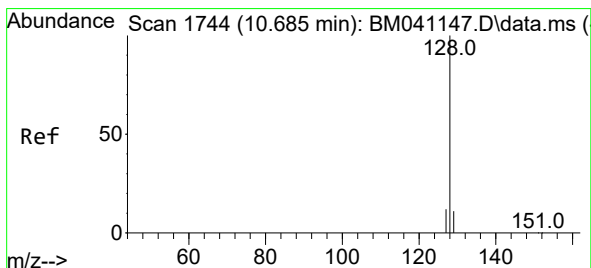
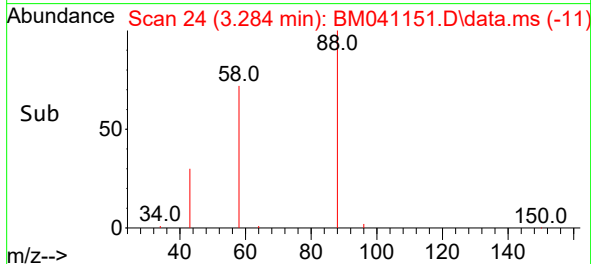
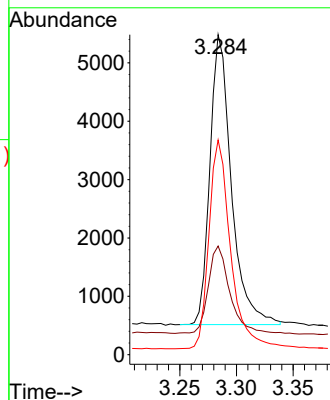
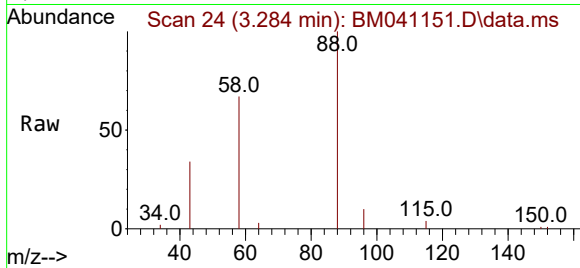




#2
1,4-Dioxane
Concen: 1.631 ng/ul
RT: 3.284 min Scan# 24
Delta R.T. -0.004 min
Lab File: BM041151.D
Acq: 27 Jul 2023 12:38

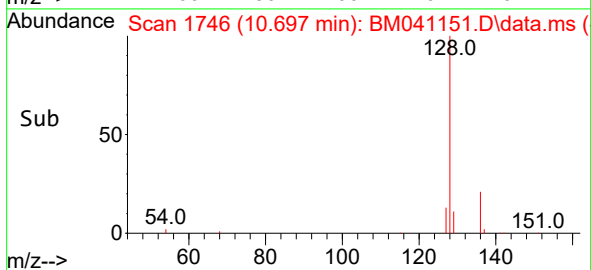
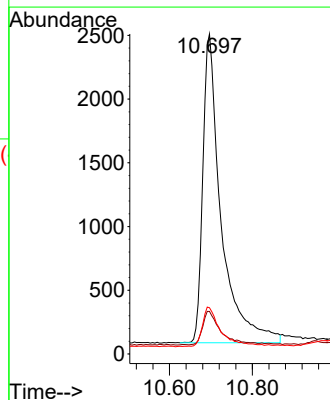
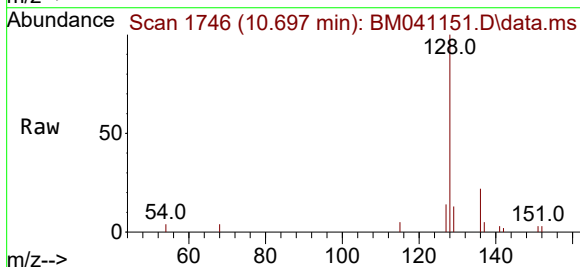
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BNA_M
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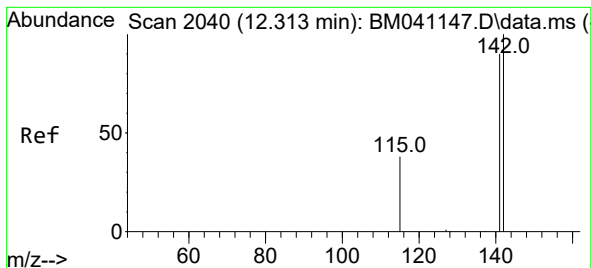
Tgt Ion: 88 Resp: 6531
Ion Ratio Lower Upper
88 100
43 34.0 83.1 124.7#
58 67.1 38.8 58.2#



#5
Naphthalene
Concen: 0.257 ng/ul
RT: 10.697 min Scan# 1746
Delta R.T. 0.005 min
Lab File: BM041151.D
Acq: 27 Jul 2023 12:38

Tgt Ion: 128 Resp: 7438
Ion Ratio Lower Upper
128 100
129 13.3 9.8 14.8
127 14.5 11.1 16.7





#7

2-Methylnaphthalene

Concen: 0.290 ng/ul

RT: 12.324 min Scan# 2042

Delta R.T. 0.011 min

Lab File: BM041151.D

Acq: 27 Jul 2023 12:38

Instrument :

BNA_M

ClientSampleId :

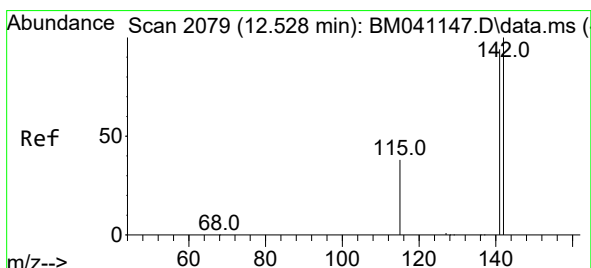
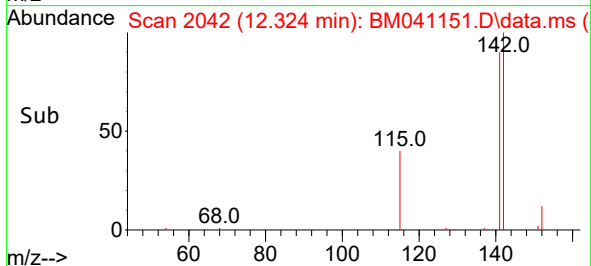
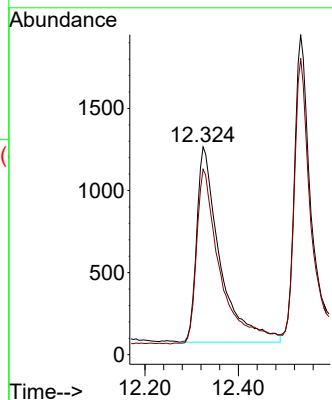
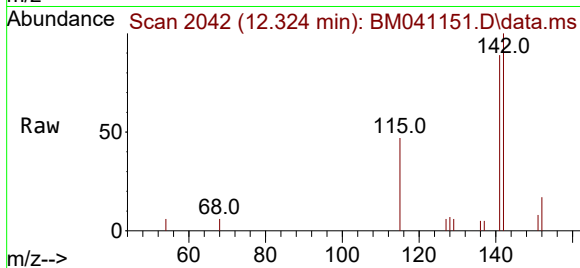
SLCS091

Tgt Ion:142 Resp: 4114

Ion Ratio Lower Upper

142 100

141 92.1 73.3 109.9



#8

1-Methylnaphthalene

Concen: 0.292 ng/ul

RT: 12.533 min Scan# 2080

Delta R.T. 0.005 min

Lab File: BM041151.D

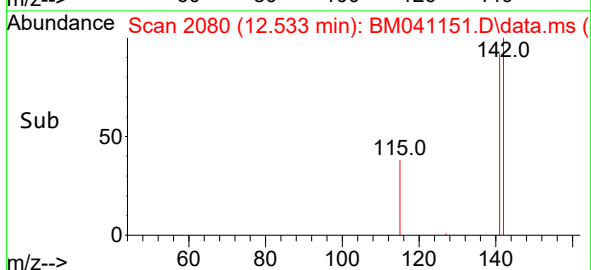
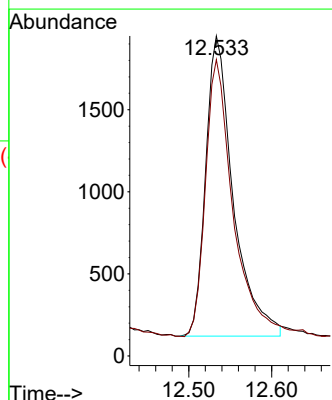
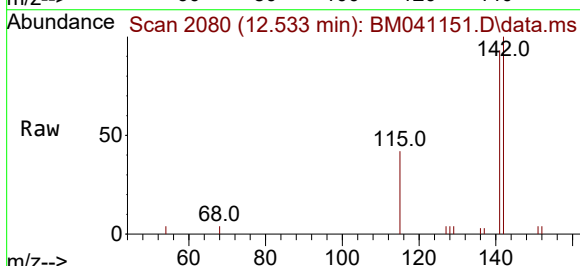
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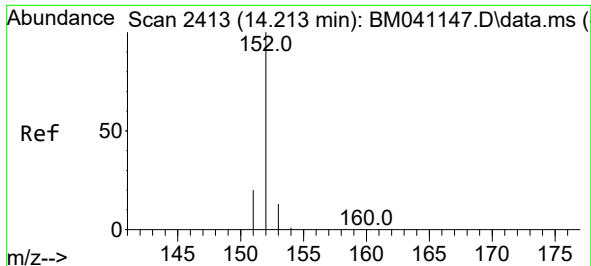
Tgt Ion:142 Resp: 4248

Ion Ratio Lower Upper

142 100

141 91.4 73.6 110.4

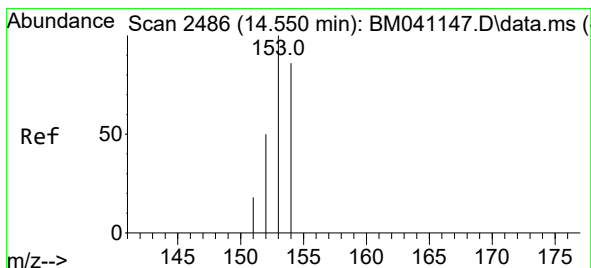
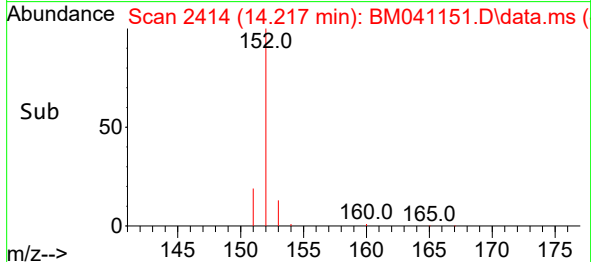
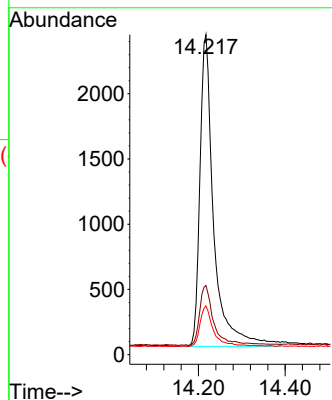
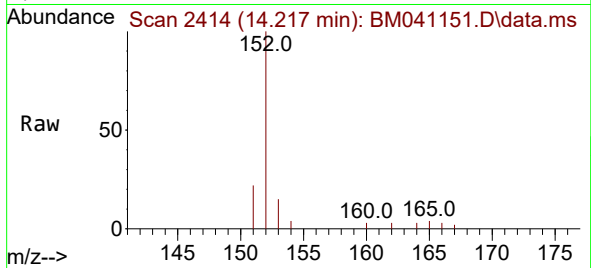




#10
Acenaphthylene
Concen: 0.284 ng/ul
RT: 14.217 min Scan# 2414
Delta R.T. 0.005 min
Lab File: BM041151.D
Acq: 27 Jul 2023 12:38

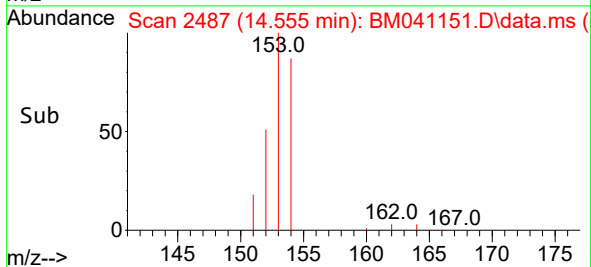
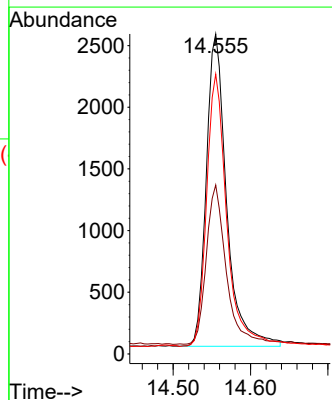
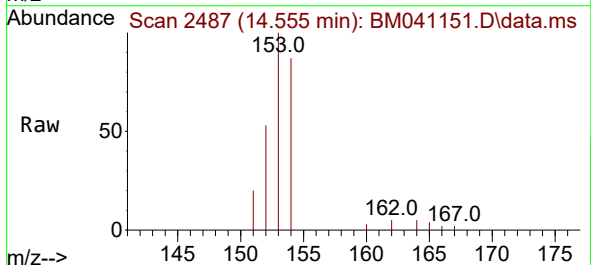
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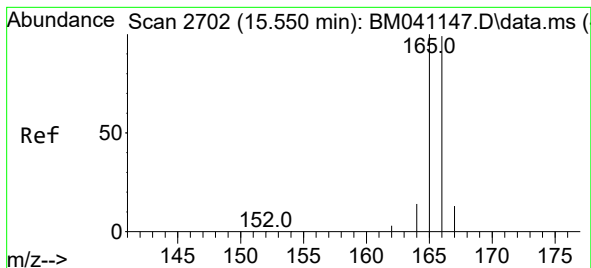
Tgt Ion:152 Resp: 5293
Ion Ratio Lower Upper
152 100
151 21.6 16.8 25.2
153 15.2 11.4 17.2



#11
Acenaphthene
Concen: 0.295 ng/ul
RT: 14.555 min Scan# 2487
Delta R.T. -0.000 min
Lab File: BM041151.D
Acq: 27 Jul 2023 12:38

Tgt Ion:153 Resp: 4628
Ion Ratio Lower Upper
153 100
152 52.8 40.2 60.4
154 87.5 70.3 105.5





#12

Fluorene

Concen: 0.280 ng/ul

RT: 15.559 min Scan# 21

Delta R.T. 0.009 min

Lab File: BM041151.D

Acq: 27 Jul 2023 12:38

Instrument :

BNA_M

ClientSampleId :

SLCS091

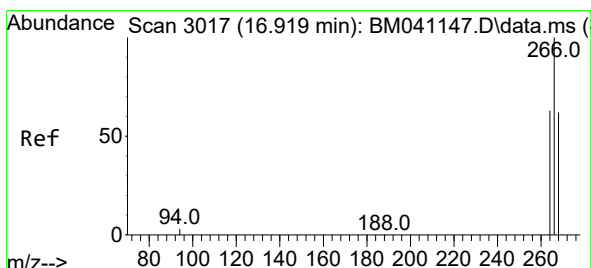
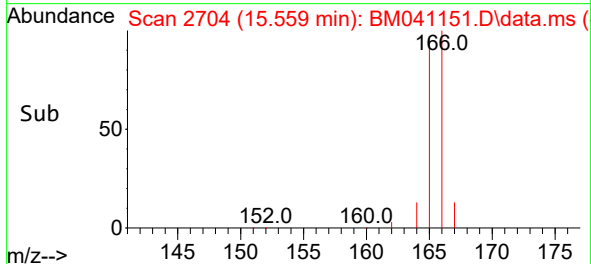
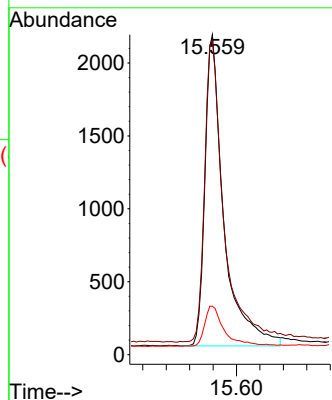
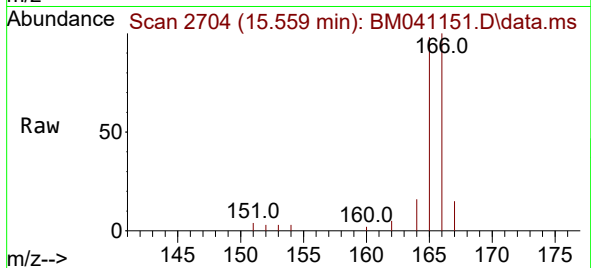
Tgt Ion:166 Resp: 4792

Ion Ratio Lower Upper

166 100

165 98.0 79.4 119.0

167 15.1 11.4 17.2



#14

Pentachlorophenol

Concen: 0.470 ng/ul

RT: 16.919 min Scan# 3017

Delta R.T. 0.004 min

Lab File: BM041151.D

Acq: 27 Jul 2023 12:38

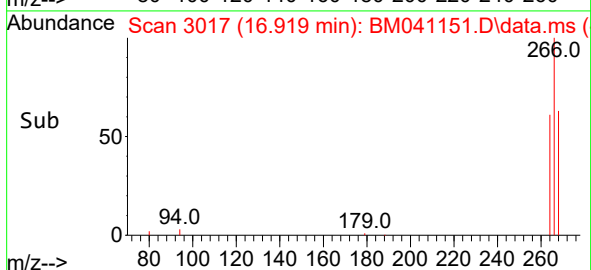
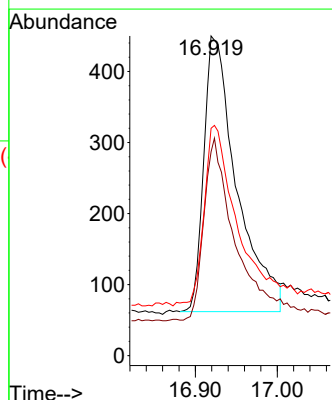
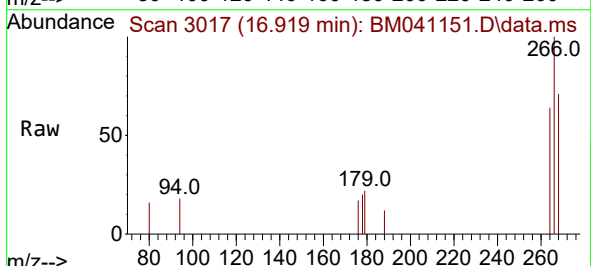
Tgt Ion:266 Resp: 1086

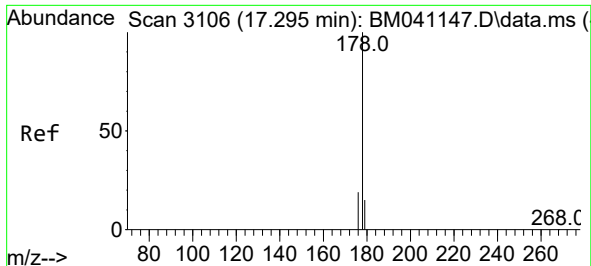
Ion Ratio Lower Upper

266 100

264 61.5 49.2 73.8

268 65.7 49.9 74.9

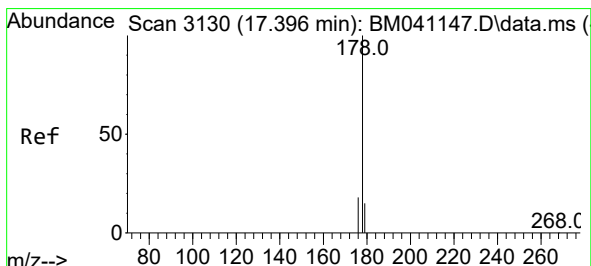
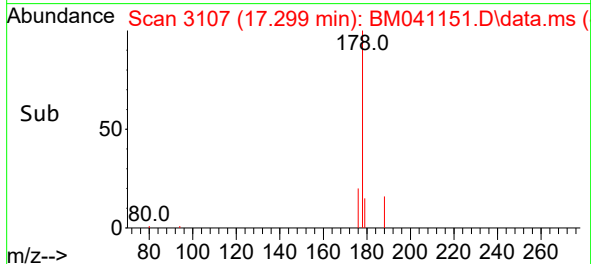
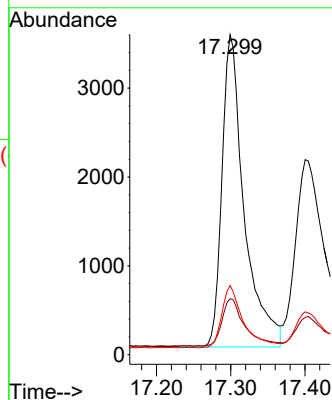
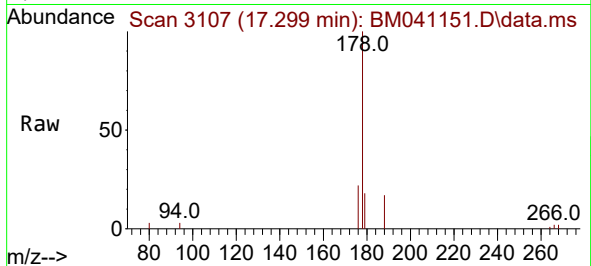




#15
Phenanthrene
Concen: 0.298 ng/ul
RT: 17.299 min Scan# 3106
Delta R.T. 0.004 min
Lab File: BM041151.D
Acq: 27 Jul 2023 12:38

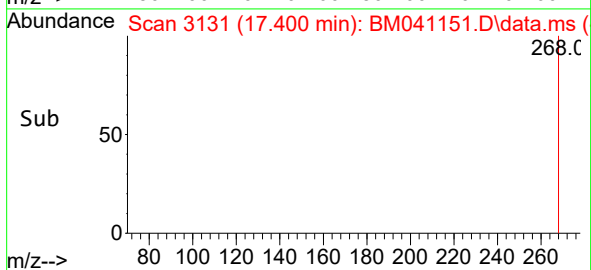
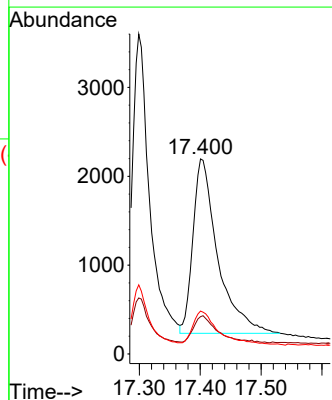
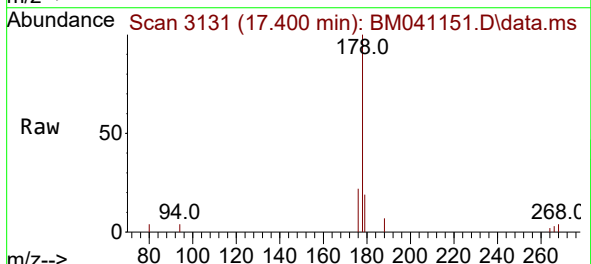
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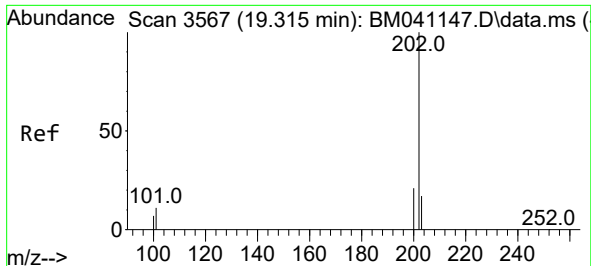
Tgt Ion:178 Resp: 7291
Ion Ratio Lower Upper
178 100
179 17.5 13.4 20.2
176 21.6 16.0 24.0



#16
Anthracene
Concen: 0.282 ng/ul
RT: 17.400 min Scan# 3131
Delta R.T. 0.008 min
Lab File: BM041151.D
Acq: 27 Jul 2023 12:38

Tgt Ion:178 Resp: 5574
Ion Ratio Lower Upper
178 100
179 19.1 13.6 20.4
176 22.0 16.0 24.0

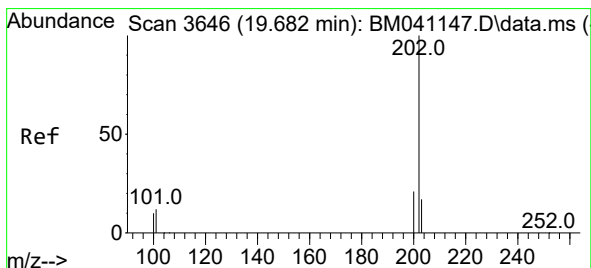
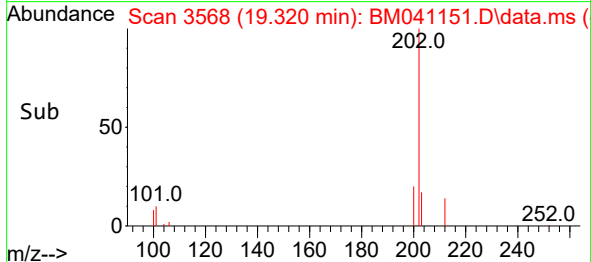
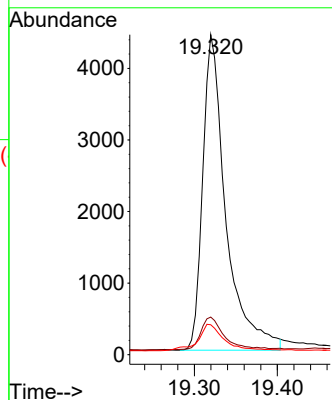
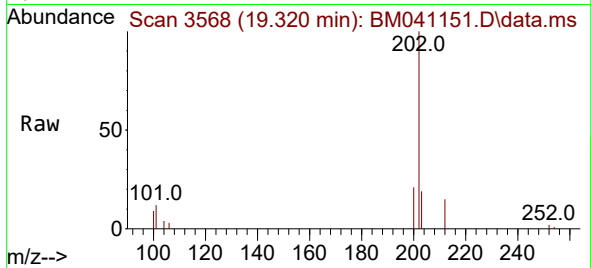




#19
Fluoranthene
Concen: 0.324 ng/ul
RT: 19.320 min Scan# 3567
Delta R.T. 0.005 min
Lab File: BM041151.D
Acq: 27 Jul 2023 12:38

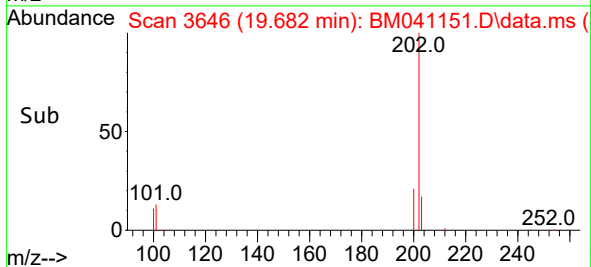
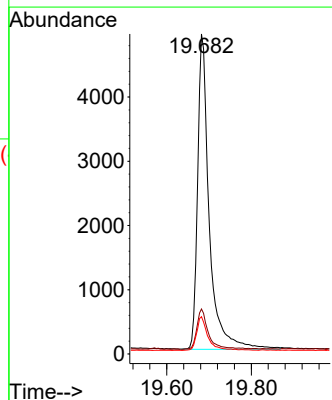
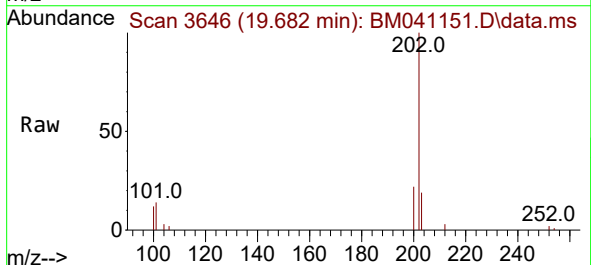
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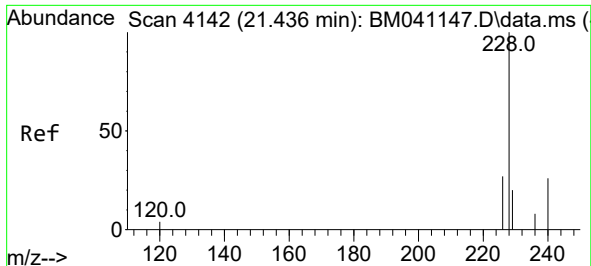
Tgt Ion:202 Resp: 8566
Ion Ratio Lower Upper
202 100
101 11.8 9.4 14.0
100 9.4 7.1 10.7



#20
Pyrene
Concen: 0.322 ng/ul
RT: 19.682 min Scan# 3646
Delta R.T. -0.000 min
Lab File: BM041151.D
Acq: 27 Jul 2023 12:38

Tgt Ion:202 Resp: 9372
Ion Ratio Lower Upper
202 100
101 14.1 10.7 16.1
100 11.7 8.5 12.7

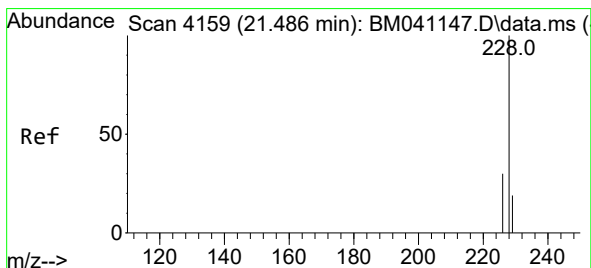
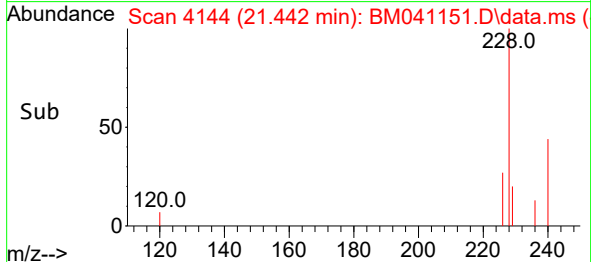
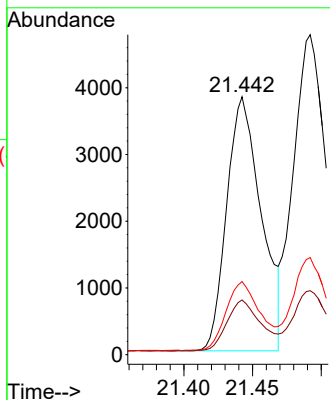
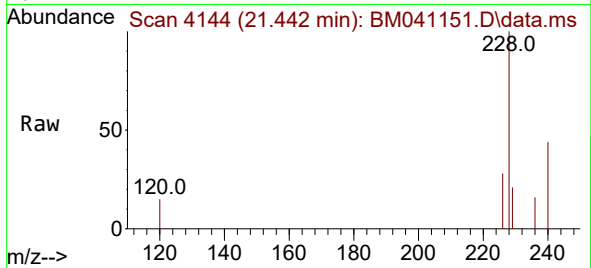




#21
Benzo(a)anthracene
Concen: 0.271 ng/ul
RT: 21.442 min Scan# 4142
Delta R.T. 0.009 min
Lab File: BM041151.D
Acq: 27 Jul 2023 12:38

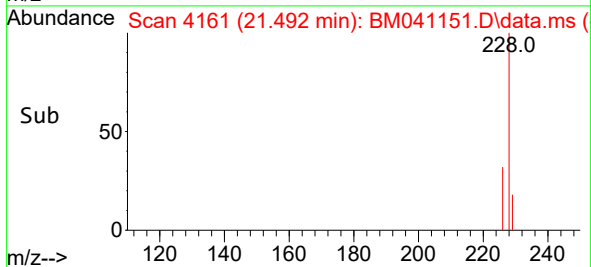
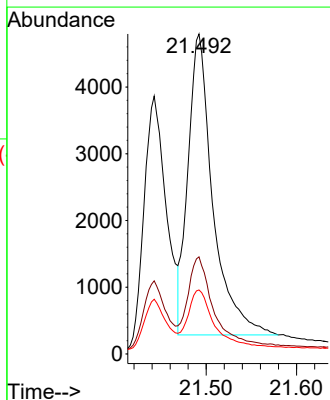
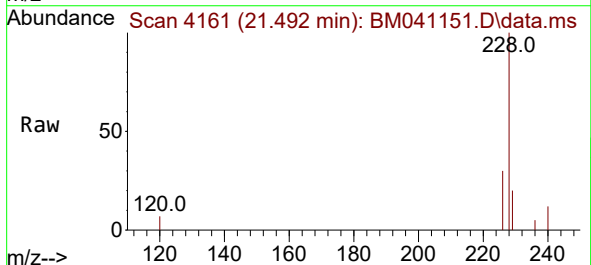
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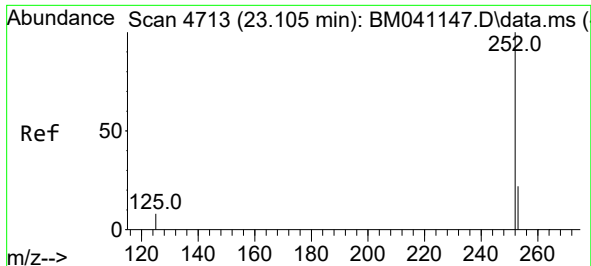
Tgt Ion:228 Resp: 6670
Ion Ratio Lower Upper
228 100
229 21.2 16.5 24.7
226 28.3 22.2 33.2



#22
Chrysene
Concen: 0.303 ng/ul
RT: 21.492 min Scan# 4161
Delta R.T. 0.006 min
Lab File: BM041151.D
Acq: 27 Jul 2023 12:38

Tgt Ion:228 Resp: 8623
Ion Ratio Lower Upper
228 100
226 30.3 24.2 36.4
229 20.0 15.9 23.9

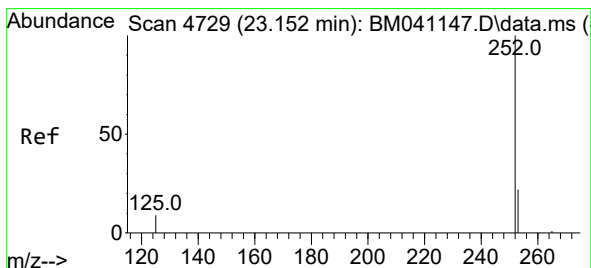
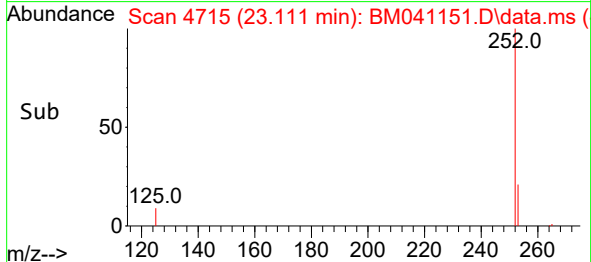
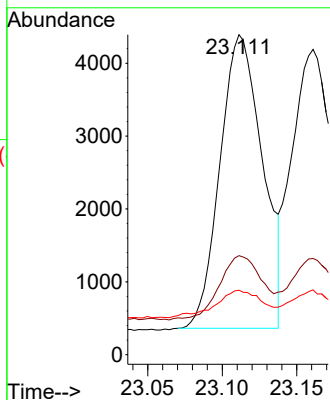
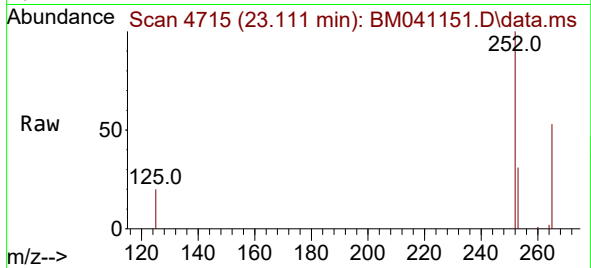




#24
Benzo(b)fluoranthene
Concen: 0.307 ng/ul
RT: 23.111 min Scan# 4715
Delta R.T. 0.006 min
Lab File: BM041151.D
Acq: 27 Jul 2023 12:38

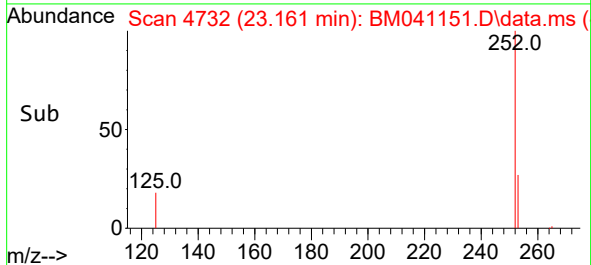
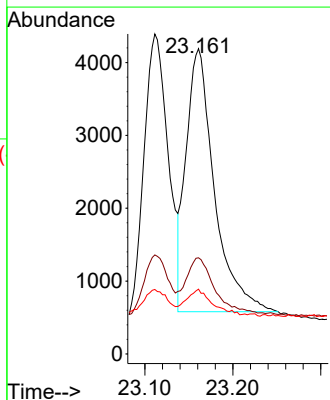
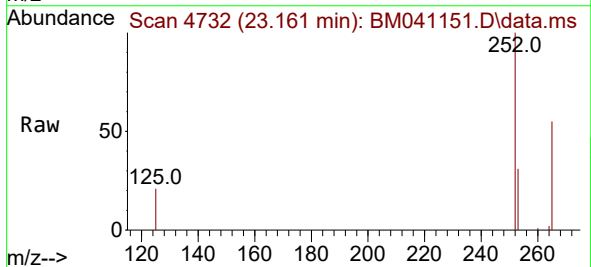
Instrument :
BNA_M
ClientSampleId :
SLCS091

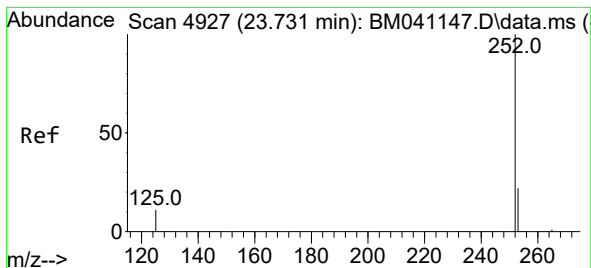
Tgt Ion:252 Resp: 7993
Ion Ratio Lower Upper
252 100
253 30.9 0.0 57.6
125 20.1 0.0 33.6



#25
Benzo(k)fluoranthene
Concen: 0.326 ng/ul
RT: 23.161 min Scan# 4732
Delta R.T. 0.006 min
Lab File: BM041151.D
Acq: 27 Jul 2023 12:38

Tgt Ion:252 Resp: 8078
Ion Ratio Lower Upper
252 100
253 31.5 22.8 34.2
125 21.2 13.5 20.3#





#26

Benzo(a)pyrene

Concen: 0.317 ng/ul

RT: 23.737 min Scan# 4927

Delta R.T. 0.009 min

Lab File: BM041151.D

Acq: 27 Jul 2023 12:38

Instrument :

BNA_M

ClientSampleId :

SLCS091

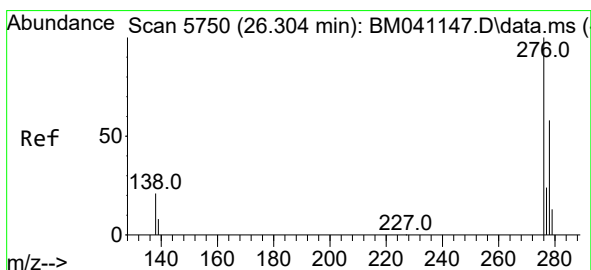
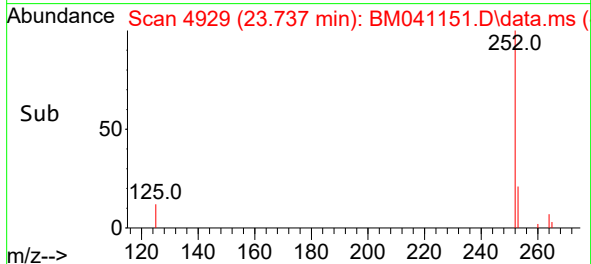
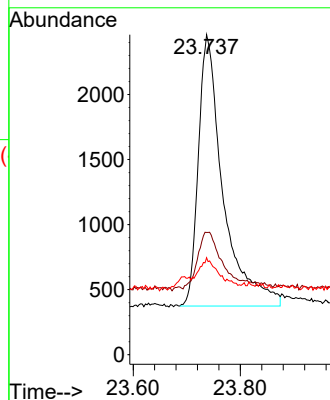
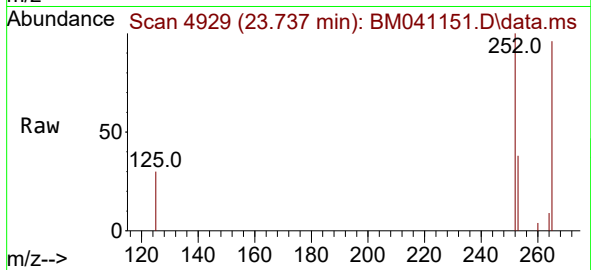
Tgt Ion:252 Resp: 6667

Ion Ratio Lower Upper

252 100

253 38.2 26.7 40.1

125 30.3 18.1 27.1#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.272 ng/ul

RT: 26.314 min Scan# 5753

Delta R.T. 0.017 min

Lab File: BM041151.D

Acq: 27 Jul 2023 12:38

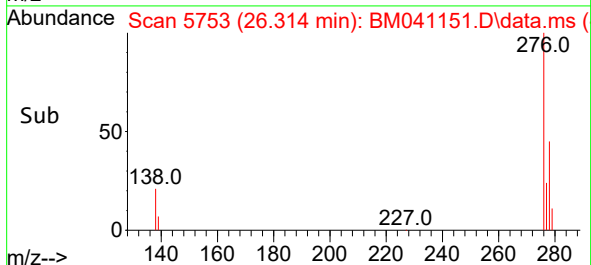
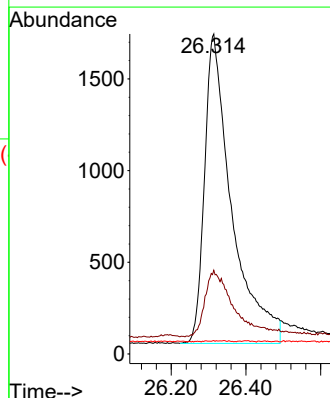
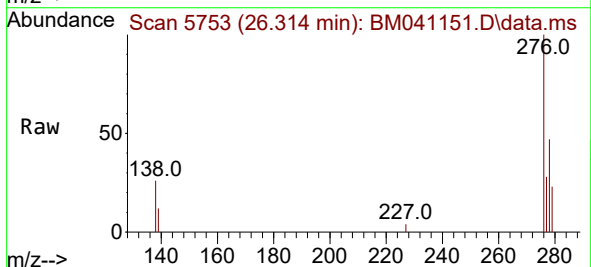
Tgt Ion:276 Resp: 8488

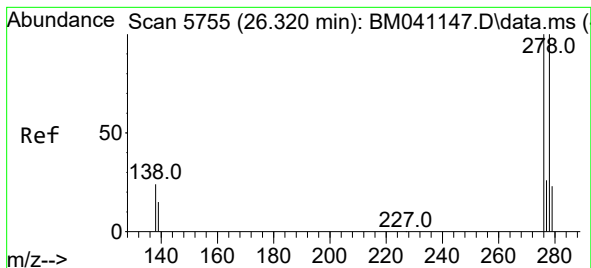
Ion Ratio Lower Upper

276 100

138 23.2 18.1 27.1

227 0.1 0.2 0.2#





#28

Dibenzo(a,h)anthracene

Concen: 0.264 ng/ul

RT: 26.337 min Scan# 5

Delta R.T. 0.020 min

Lab File: BM041151.D

Acq: 27 Jul 2023 12:38

Instrument :

BNA_M

ClientSampleId :

SLCS091

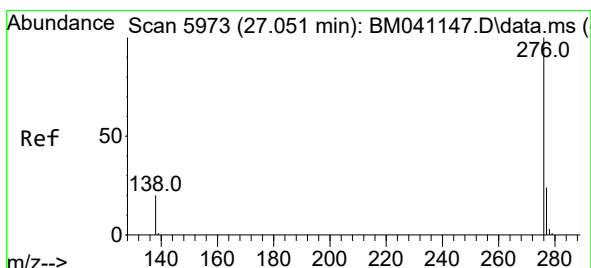
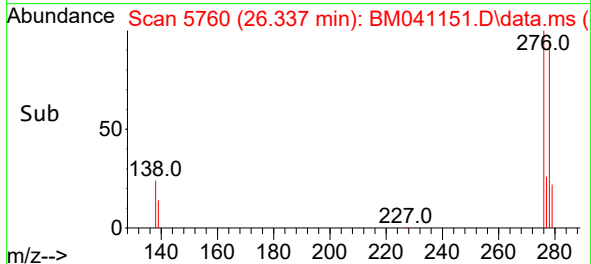
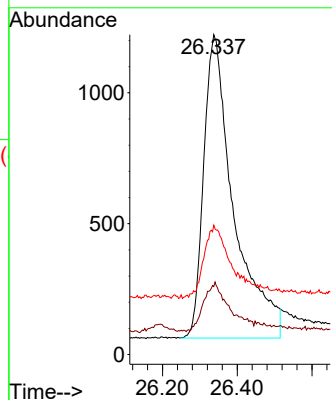
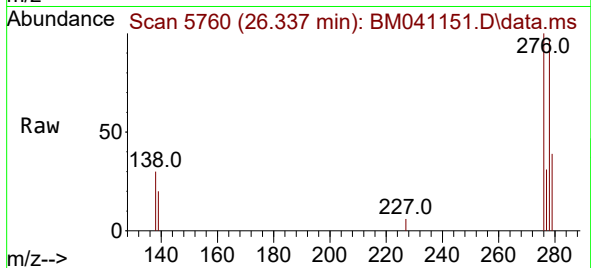
Tgt Ion:278 Resp: 6465

Ion Ratio Lower Upper

278 100

139 21.3 14.1 21.1#

279 40.4 25.0 37.4#



#29

Benzo(g,h,i)perylene

Concen: 0.298 ng/ul

RT: 27.058 min Scan# 5975

Delta R.T. 0.007 min

Lab File: BM041151.D

Acq: 27 Jul 2023 12:38

Tgt Ion:276 Resp: 8313

Ion Ratio Lower Upper

276 100

138 23.8 18.2 27.2

277 27.4 20.6 30.8

