

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052523\
 Data File : BM040002.D
 Acq On : 25 May 2023 15:16
 Operator : CG/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SICV007

Quant Time: May 25 17:32:17 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 15:01:16 2023
 Response via : Initial Calibration

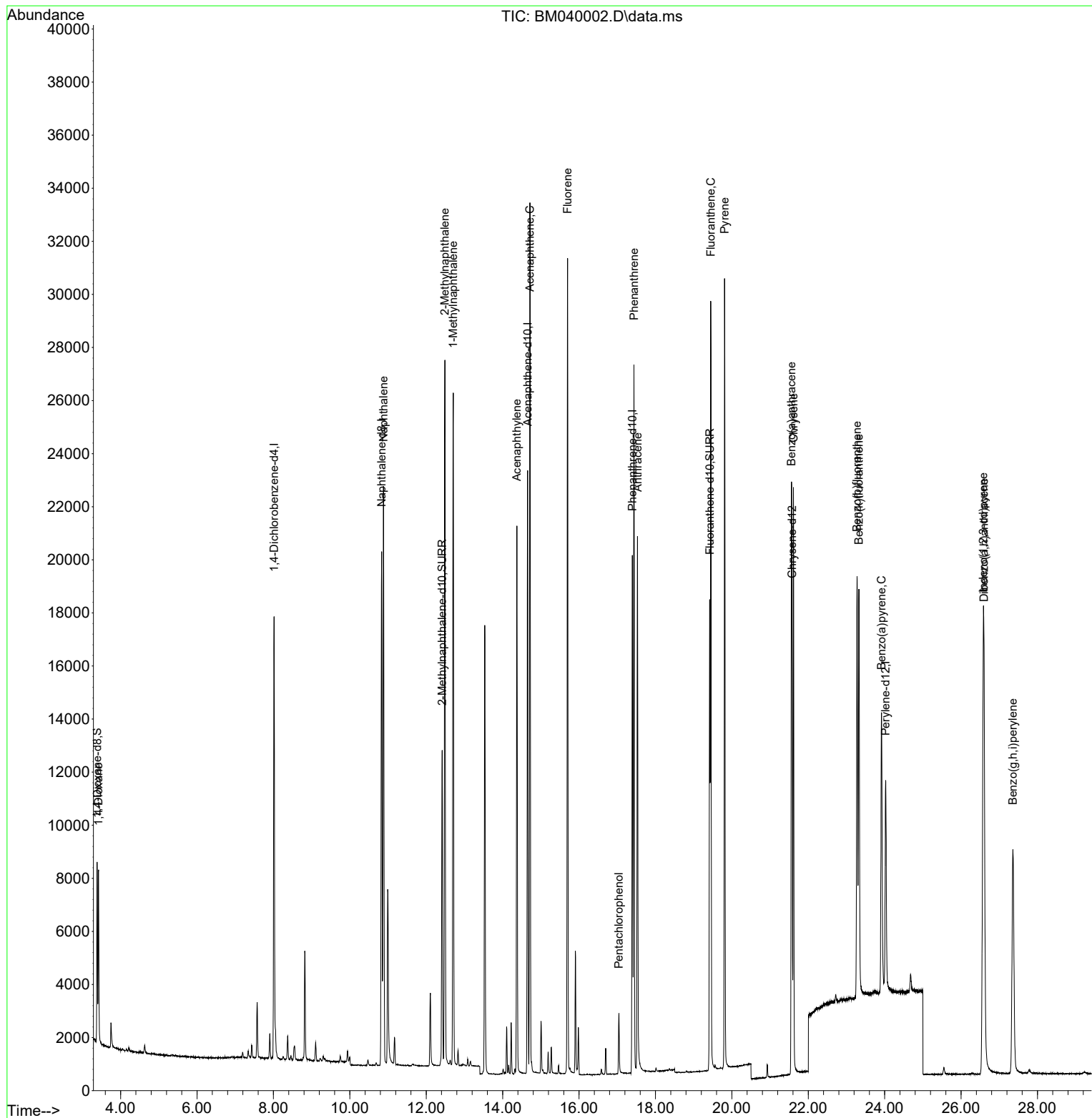
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.016	152	8174	0.400	ng/ul	0.00
4) Naphthalene-d8	10.832	136	25949	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.654	164	12295	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.394	188	21622	0.400	ng/ul	0.00
17) Chrysene-d12	21.575	240	11546	0.400	ng/ul	0.00
23) Perylene-d12	24.024	264	11732	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.384	96	4127	0.434	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.415	152	15583	0.491	ng/ul	0.00
18) Fluoranthene-d10	19.420	212	17744	0.510	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.422	88	4208	0.420	ng/ul	98
5) Naphthalene	10.881	128	29339	0.463	ng/ul	100
7) 2-Methylnaphthalene	12.487	142	18476	0.483	ng/ul	99
8) 1-Methylnaphthalene	12.707	142	17286	0.435	ng/ul	100
10) Acenaphthylene	14.372	152	22363	0.457	ng/ul	100
11) Acenaphthene	14.714	153	18328	0.460	ng/ul	99
12) Fluorene	15.700	166	19056	0.459	ng/ul	100
14) Pentachlorophenol	17.044	266	1625	0.371	ng/ul	98
15) Phenanthrene	17.436	178	27840	0.455	ng/ul	100
16) Anthracene	17.529	178	22362	0.435	ng/ul	100
19) Fluoranthene	19.448	202	24095	0.464	ng/ul	100
20) Pyrene	19.810	202	24066	0.457	ng/ul	100
21) Benzo(a)anthracene	21.557	228	17658	0.454	ng/ul	100
22) Chrysene	21.613	228	19350	0.468	ng/ul	100
24) Benzo(b)fluoranthene	23.276	252	20687	0.444	ng/ul	99
25) Benzo(k)fluoranthene	23.325	252	20896	0.445	ng/ul	99
26) Benzo(a)pyrene	23.916	252	17322	0.445	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.580	276	24239	0.432	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.600	278	19666	0.434	ng/ul	99
29) Benzo(g,h,i)perylene	27.358	276	19450	0.423	ng/ul	98

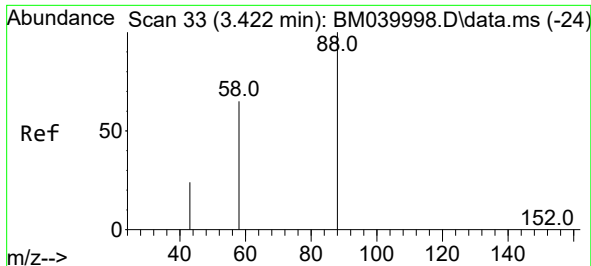
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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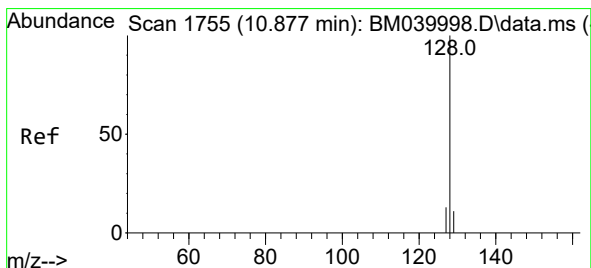
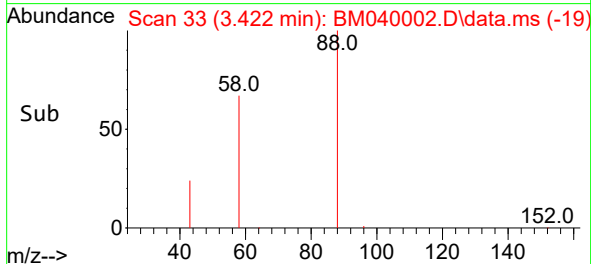
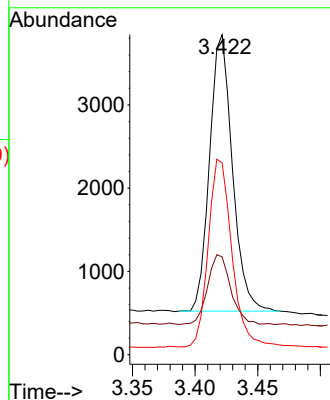
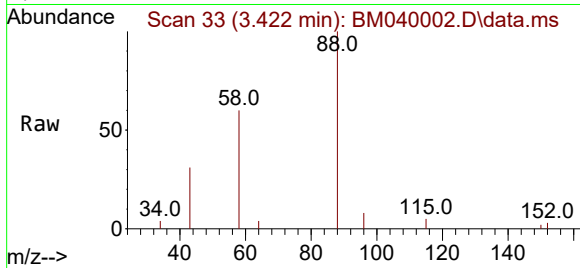




#2
1,4-Dioxane
Concen: 0.420 ng/ul
RT: 3.422 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM040002.D
Acq: 25 May 2023 15:16

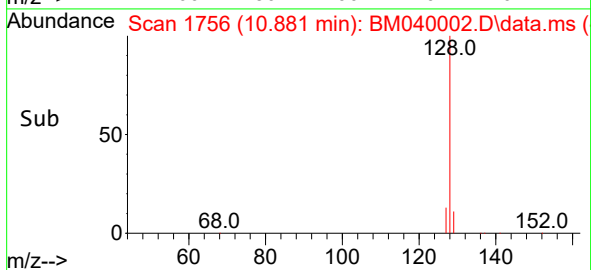
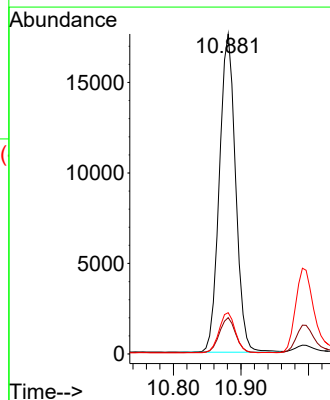
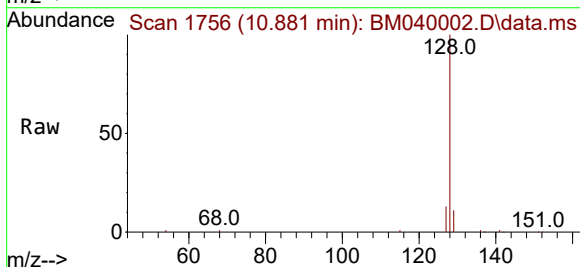
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BNA_M
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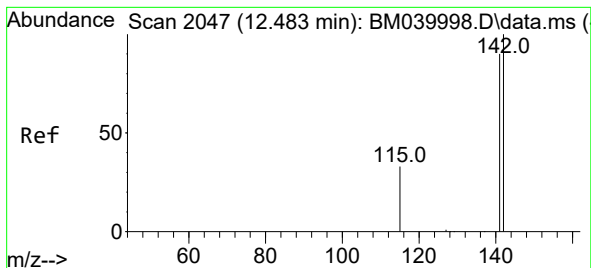
Tgt Ion: 88 Resp: 4208
Ion Ratio Lower Upper
88 100
43 30.6 25.9 38.9
58 60.0 48.5 72.7



#5
Naphthalene
Concen: 0.463 ng/ul
RT: 10.881 min Scan# 1756
Delta R.T. 0.004 min
Lab File: BM040002.D
Acq: 25 May 2023 15:16

Tgt Ion: 128 Resp: 29339
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 12.9 10.5 15.7

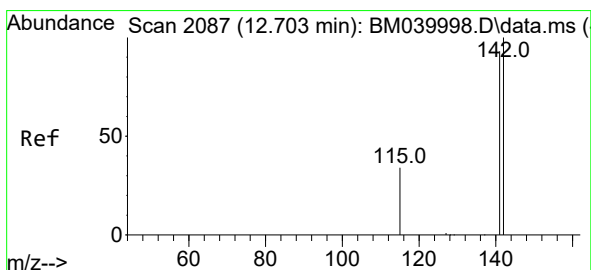
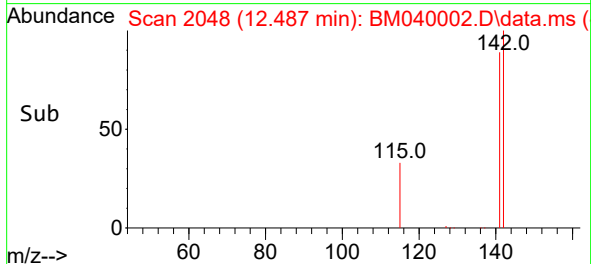
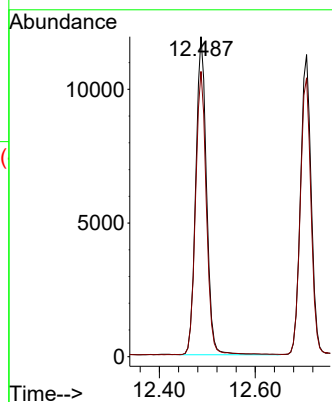
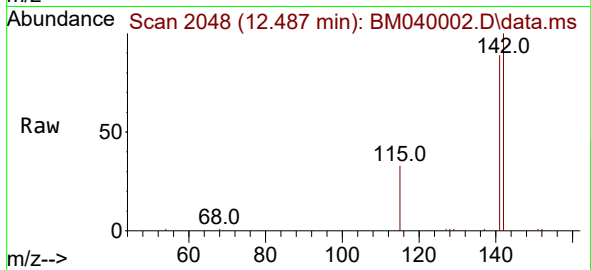




#7
2-Methylnaphthalene
Concen: 0.483 ng/ul
RT: 12.487 min Scan# 2047
Delta R.T. 0.004 min
Lab File: BM040002.D
Acq: 25 May 2023 15:16

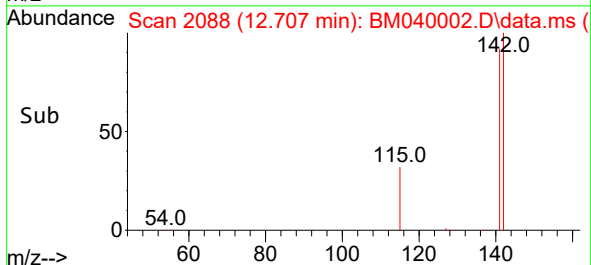
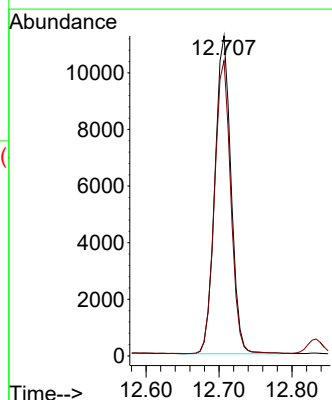
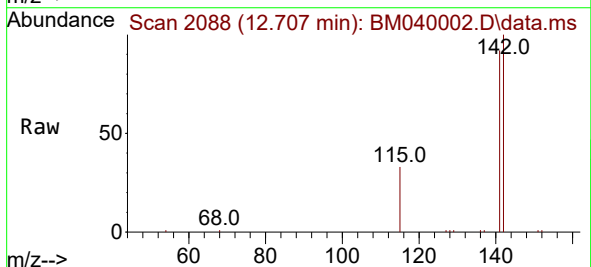
Instrument :
BNA_M
ClientSampleId :
SICV007

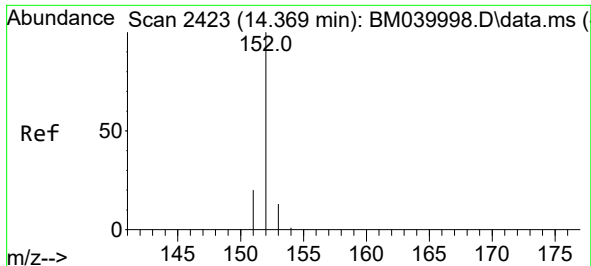
Tgt Ion:142 Resp: 18476
Ion Ratio Lower Upper
142 100
141 89.7 71.3 106.9



#8
1-Methylnaphthalene
Concen: 0.435 ng/ul
RT: 12.707 min Scan# 2088
Delta R.T. 0.004 min
Lab File: BM040002.D
Acq: 25 May 2023 15:16

Tgt Ion:142 Resp: 17286
Ion Ratio Lower Upper
142 100
141 92.7 73.8 110.6

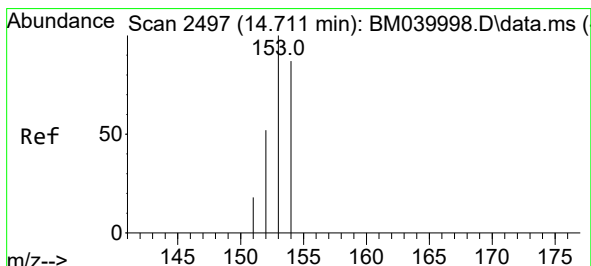
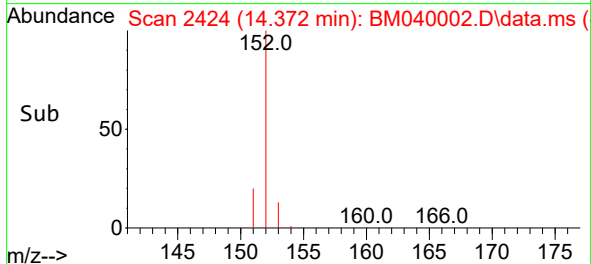
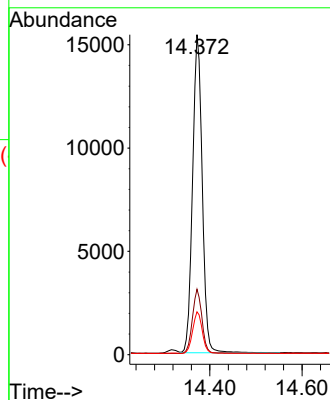
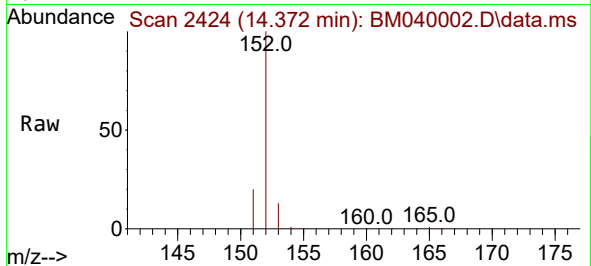




#10
Acenaphthylene
Concen: 0.457 ng/ul
RT: 14.372 min Scan# 2423
Delta R.T. 0.003 min
Lab File: BM040002.D
Acq: 25 May 2023 15:16

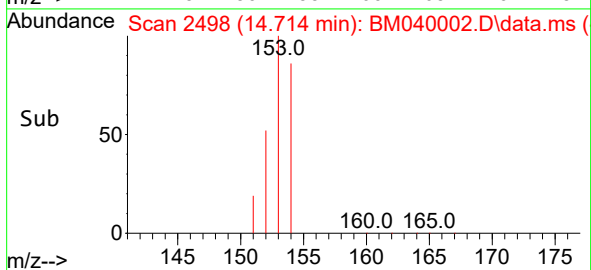
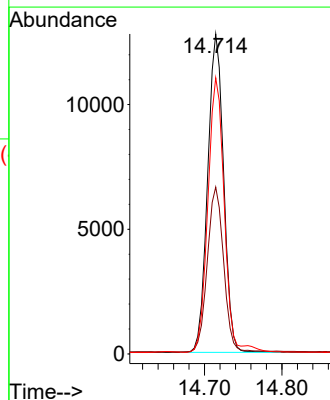
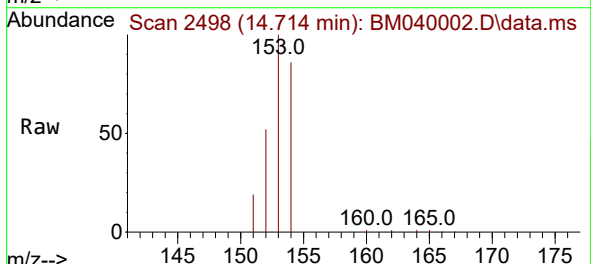
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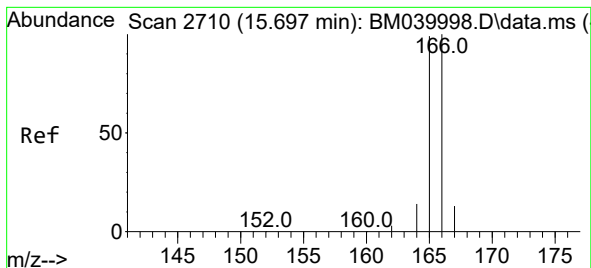
Tgt Ion:152 Resp: 22363
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.4
153 13.4 10.6 16.0



#11
Acenaphthene
Concen: 0.460 ng/ul
RT: 14.714 min Scan# 2498
Delta R.T. 0.003 min
Lab File: BM040002.D
Acq: 25 May 2023 15:16

Tgt Ion:153 Resp: 18328
Ion Ratio Lower Upper
153 100
152 52.2 42.0 63.0
154 86.3 69.4 104.2





#12

Fluorene

Concen: 0.459 ng/ul

RT: 15.700 min Scan# 21

Delta R.T. 0.003 min

Lab File: BM040002.D

Acq: 25 May 2023 15:16

Instrument :

BNA_M

ClientSampleId :

SICV007

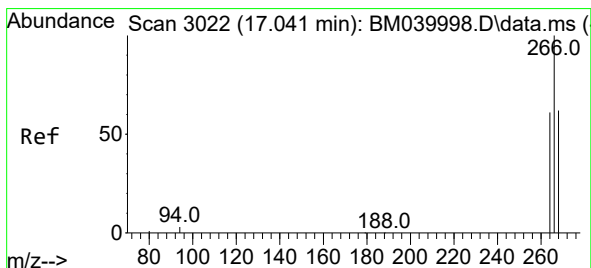
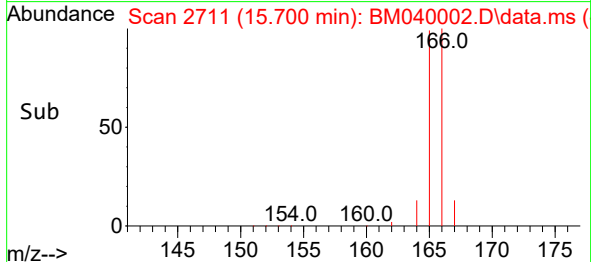
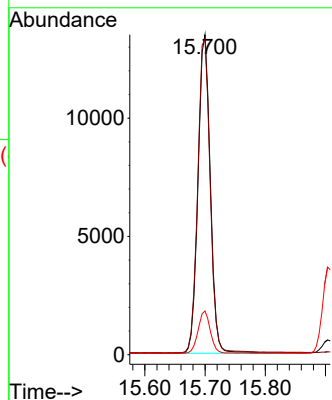
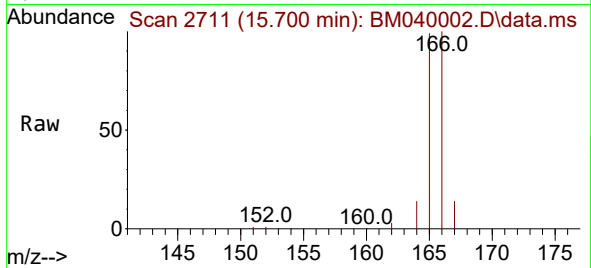
Tgt Ion:166 Resp: 19056

Ion Ratio Lower Upper

166 100

165 98.8 79.3 118.9

167 13.6 10.8 16.2



#14

Pentachlorophenol

Concen: 0.371 ng/ul

RT: 17.044 min Scan# 3023

Delta R.T. 0.003 min

Lab File: BM040002.D

Acq: 25 May 2023 15:16

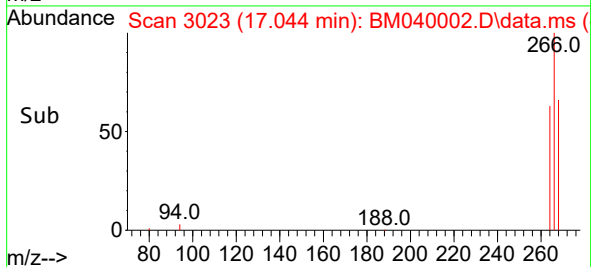
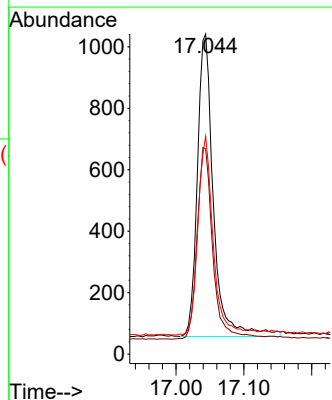
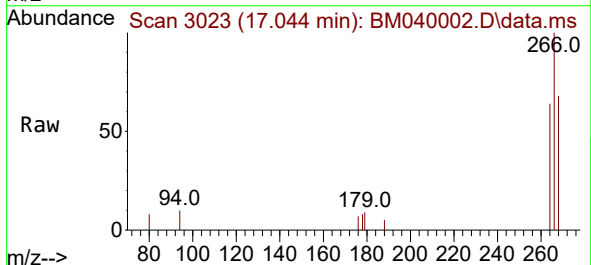
Tgt Ion:266 Resp: 1625

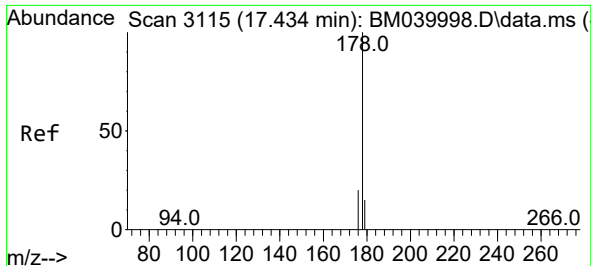
Ion Ratio Lower Upper

266 100

264 62.8 49.2 73.8

268 63.4 51.9 77.9

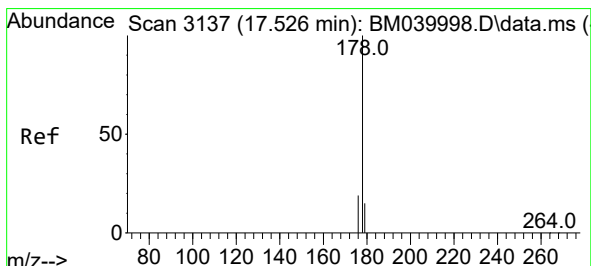
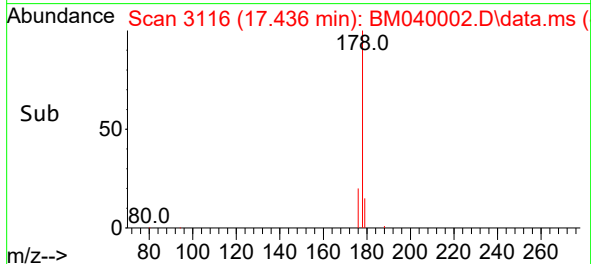
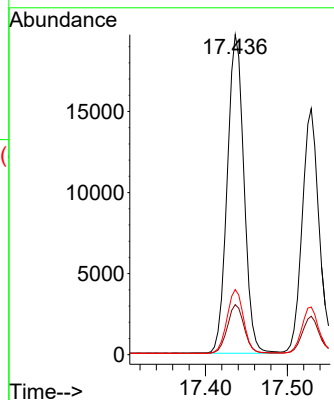
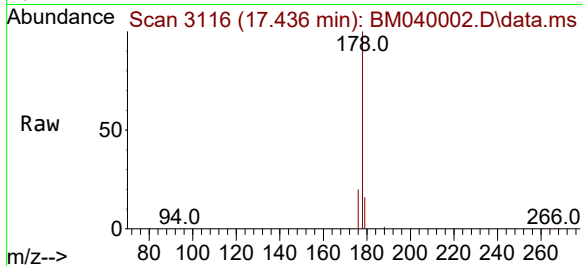




#15
Phenanthrene
Concen: 0.455 ng/ul
RT: 17.436 min Scan# 3115
Delta R.T. 0.003 min
Lab File: BM040002.D
Acq: 25 May 2023 15:16

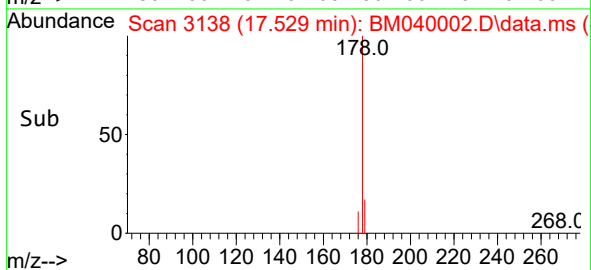
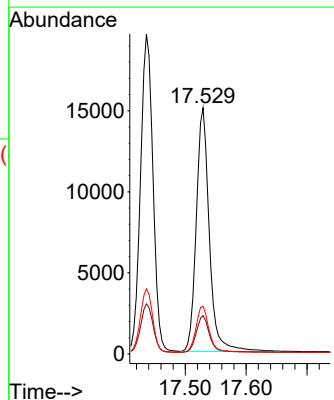
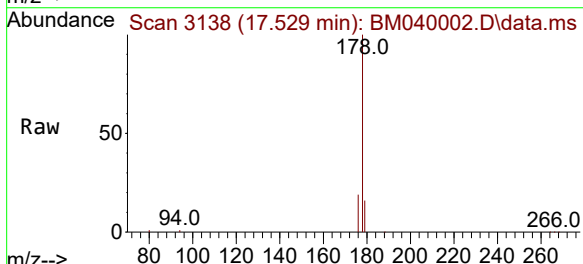
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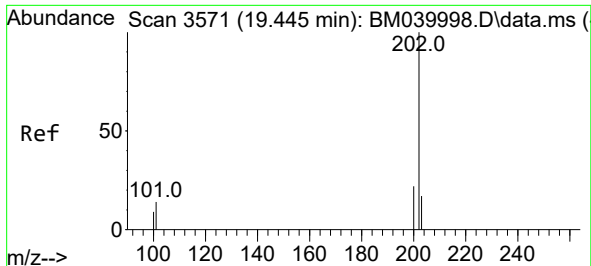
Tgt Ion:178 Resp: 27840
Ion Ratio Lower Upper
178 100
179 15.6 12.4 18.6
176 20.3 16.3 24.5



#16
Anthracene
Concen: 0.435 ng/ul
RT: 17.529 min Scan# 3138
Delta R.T. 0.003 min
Lab File: BM040002.D
Acq: 25 May 2023 15:16

Tgt Ion:178 Resp: 22362
Ion Ratio Lower Upper
178 100
179 15.6 12.6 19.0
176 19.4 15.5 23.3

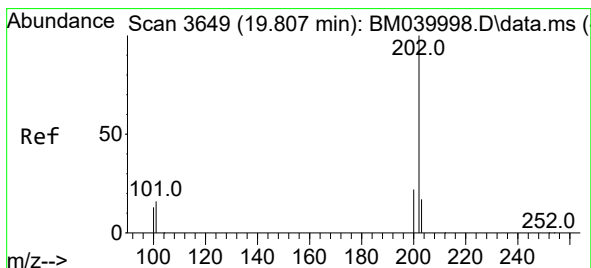
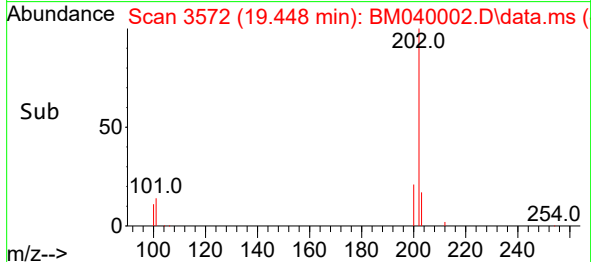
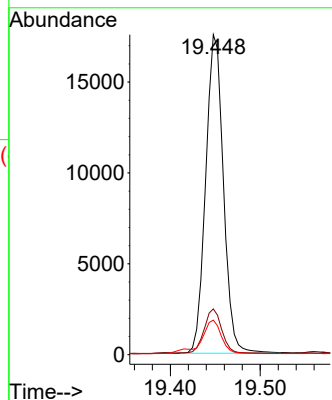
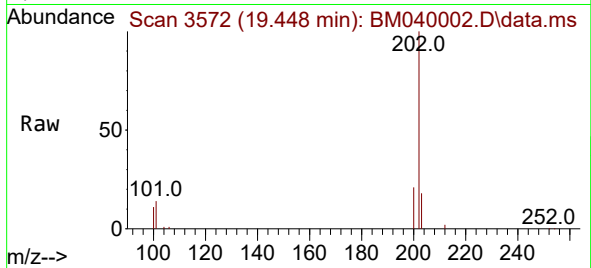




#19
Fluoranthene
Concen: 0.464 ng/ul
RT: 19.448 min Scan# 3571
Delta R.T. 0.003 min
Lab File: BM040002.D
Acq: 25 May 2023 15:16

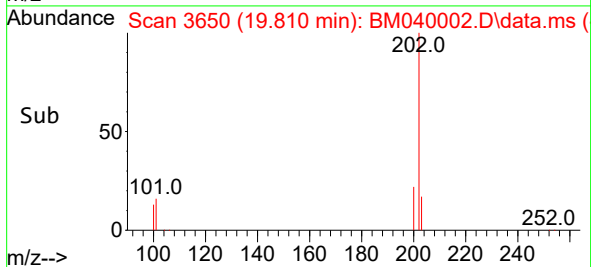
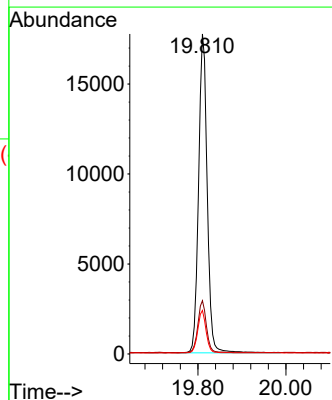
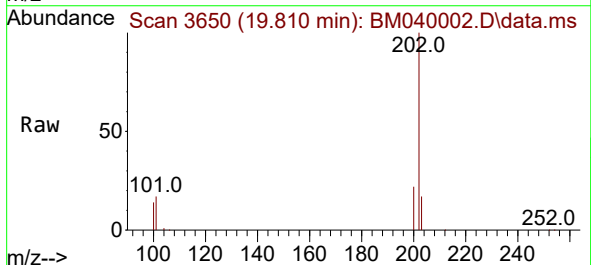
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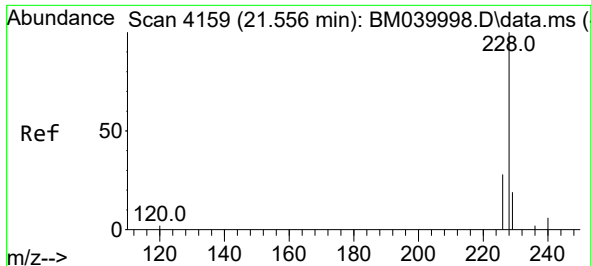
Tgt Ion:202 Resp: 24095
Ion Ratio Lower Upper
202 100
101 14.3 11.5 17.3
100 10.8 8.5 12.7



#20
Pyrene
Concen: 0.457 ng/ul
RT: 19.810 min Scan# 3650
Delta R.T. 0.003 min
Lab File: BM040002.D
Acq: 25 May 2023 15:16

Tgt Ion:202 Resp: 24066
Ion Ratio Lower Upper
202 100
101 16.6 13.3 19.9
100 13.6 10.9 16.3

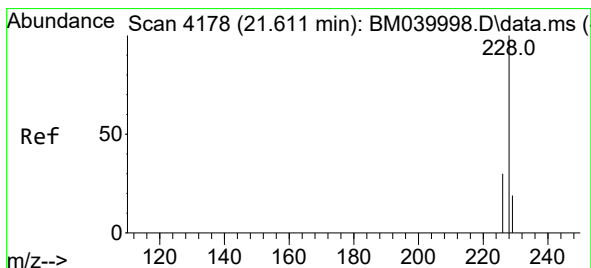
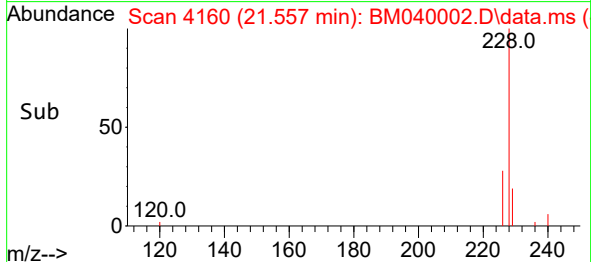
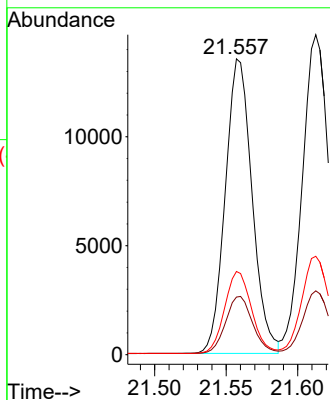
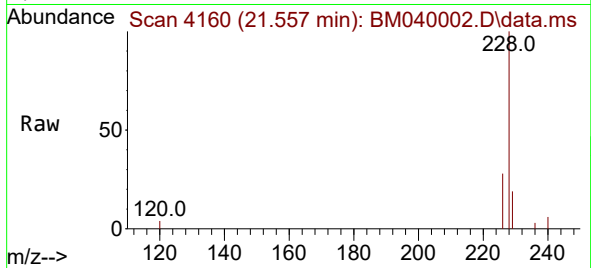




#21
Benzo(a)anthracene
Concen: 0.454 ng/ul
RT: 21.557 min Scan# 4159
Delta R.T. 0.001 min
Lab File: BM040002.D
Acq: 25 May 2023 15:16

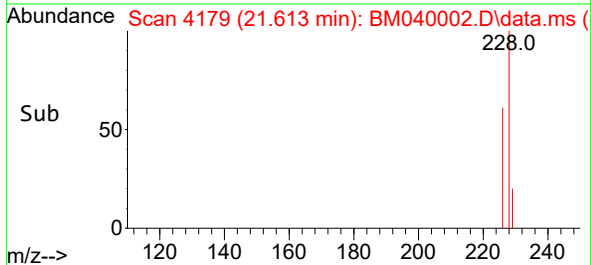
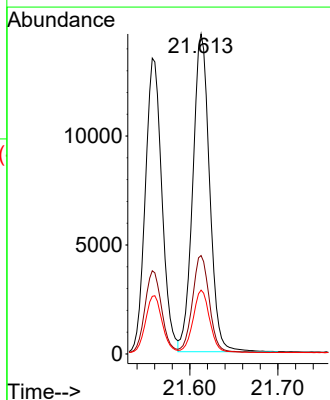
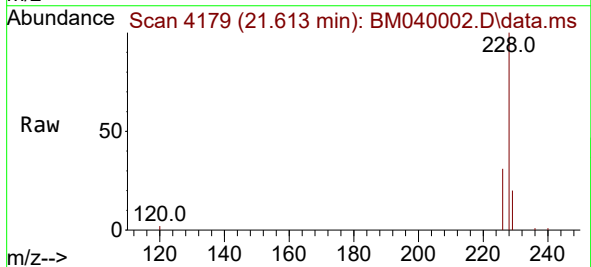
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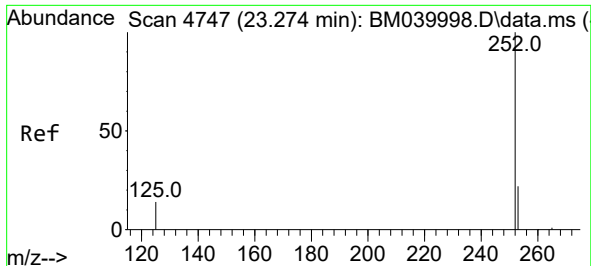
Tgt Ion:228 Resp: 17658
Ion Ratio Lower Upper
228 100
229 19.5 15.6 23.4
226 28.1 22.5 33.7



#22
Chrysene
Concen: 0.468 ng/ul
RT: 21.613 min Scan# 4179
Delta R.T. 0.001 min
Lab File: BM040002.D
Acq: 25 May 2023 15:16

Tgt Ion:228 Resp: 19350
Ion Ratio Lower Upper
228 100
226 30.7 24.6 36.8
229 19.9 15.6 23.4

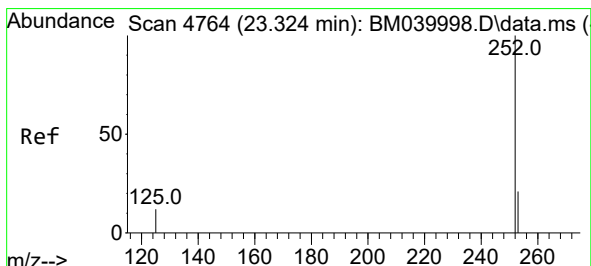
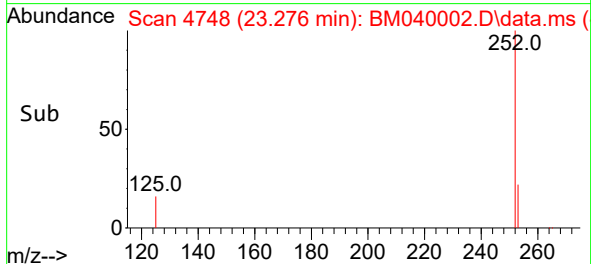
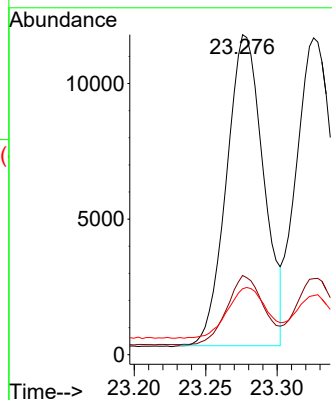
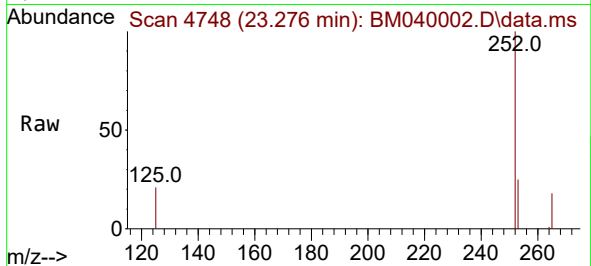




#24
Benzo(b)fluoranthene
Concen: 0.444 ng/ul
RT: 23.276 min Scan# 4747
Delta R.T. 0.001 min
Lab File: BM040002.D
Acq: 25 May 2023 15:16

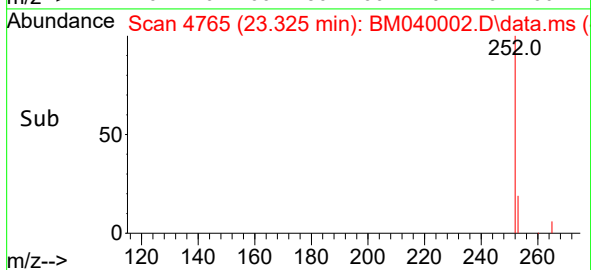
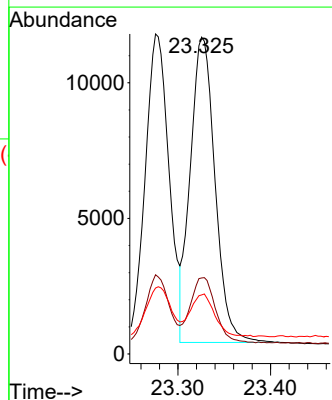
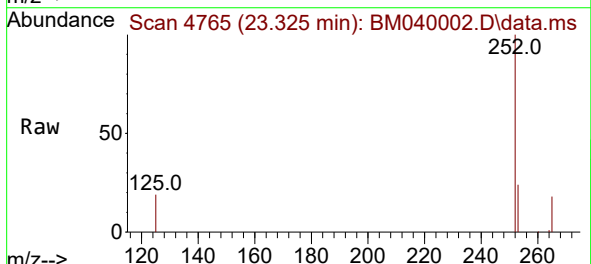
Instrument :
BNA_M
ClientSampleId :
SICV007

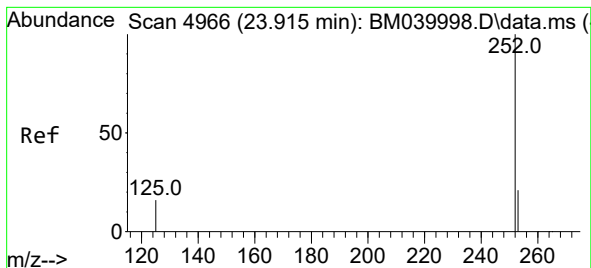
Tgt Ion:252 Resp: 20687
Ion Ratio Lower Upper
252 100
253 24.8 0.0 49.8
125 20.6 0.0 39.2



#25
Benzo(k)fluoranthene
Concen: 0.445 ng/ul
RT: 23.325 min Scan# 4765
Delta R.T. 0.001 min
Lab File: BM040002.D
Acq: 25 May 2023 15:16

Tgt Ion:252 Resp: 20896
Ion Ratio Lower Upper
252 100
253 24.0 19.7 29.5
125 18.6 15.0 22.4





#26

Benzo(a)pyrene

Concen: 0.445 ng/ul

RT: 23.916 min Scan# 4966

Delta R.T. 0.001 min

Lab File: BM040002.D

Acq: 25 May 2023 15:16

Instrument :

BNA_M

ClientSampleId :

SICV007

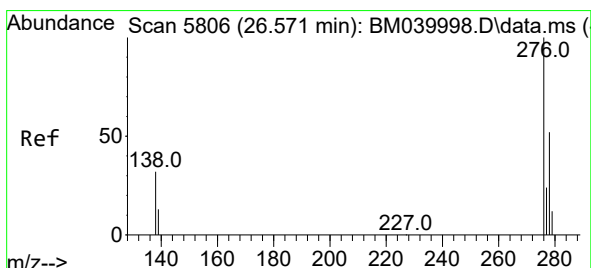
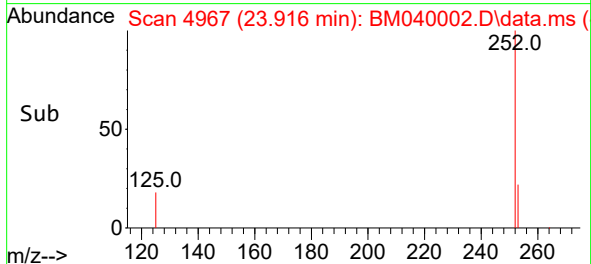
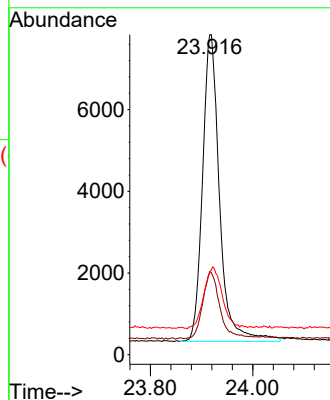
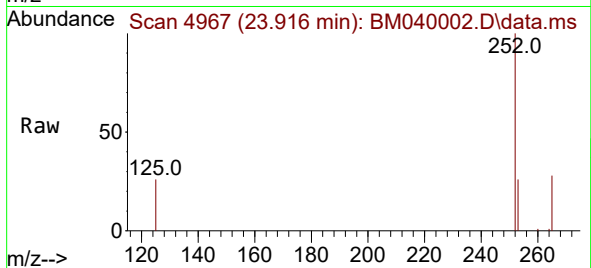
Tgt Ion:252 Resp: 17322

Ion Ratio Lower Upper

252 100

253 25.9 20.6 31.0

125 25.8 19.1 28.7



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.432 ng/ul

RT: 26.580 min Scan# 5809

Delta R.T. 0.009 min

Lab File: BM040002.D

Acq: 25 May 2023 15:16

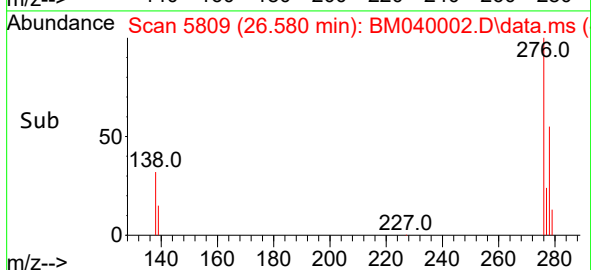
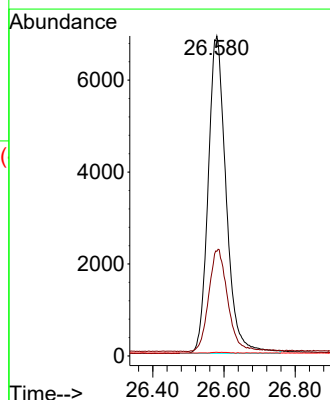
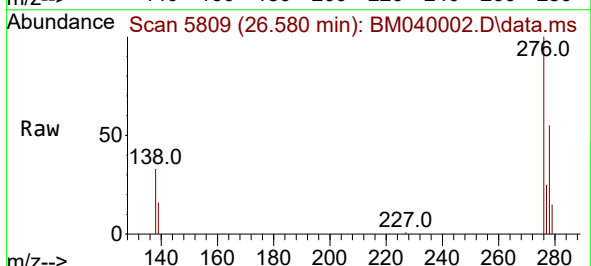
Tgt Ion:276 Resp: 24239

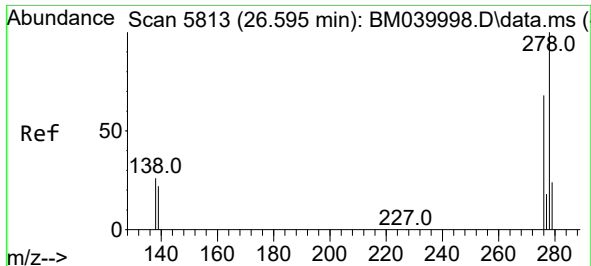
Ion Ratio Lower Upper

276 100

138 34.1 26.9 40.3

227 0.3 0.1 0.1#

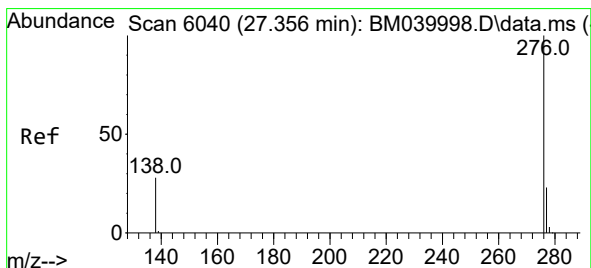
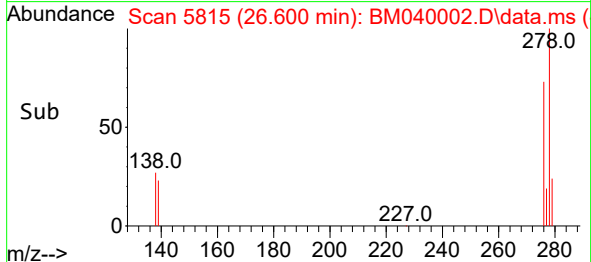
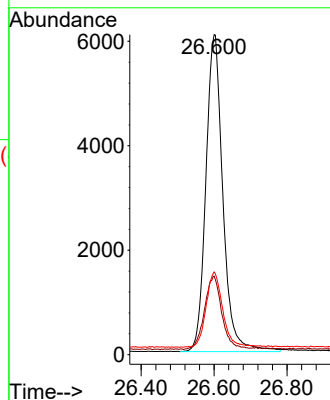
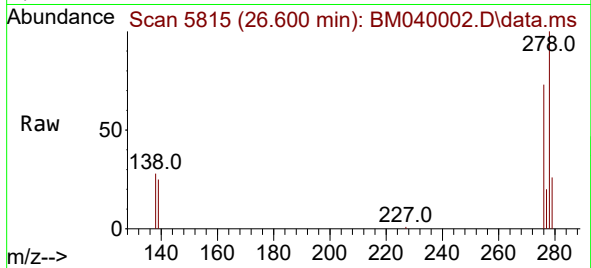




#28
Dibenzo(a,h)anthracene
Concen: 0.434 ng/ul
RT: 26.600 min Scan# 5815
Delta R.T. 0.005 min
Lab File: BM040002.D
Acq: 25 May 2023 15:16

Instrument :
BNA_M
ClientSampleId :
SICV007

Tgt Ion:278 Resp: 19666
Ion Ratio Lower Upper
278 100
139 24.6 19.0 28.4
279 25.8 20.6 31.0



#29
Benzo(g,h,i)perylene
Concen: 0.423 ng/ul
RT: 27.358 min Scan# 6041
Delta R.T. 0.002 min
Lab File: BM040002.D
Acq: 25 May 2023 15:16

Tgt Ion:276 Resp: 19450
Ion Ratio Lower Upper
276 100
138 31.3 23.9 35.9
277 24.9 19.5 29.3

