

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062223\
 Data File : BM040361.D
 Acq On : 22 Jun 2023 22:47
 Operator : MA/JU
 Sample : 03084-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFM5

Quant Time: Jun 23 02:28:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 23 00:44:24 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

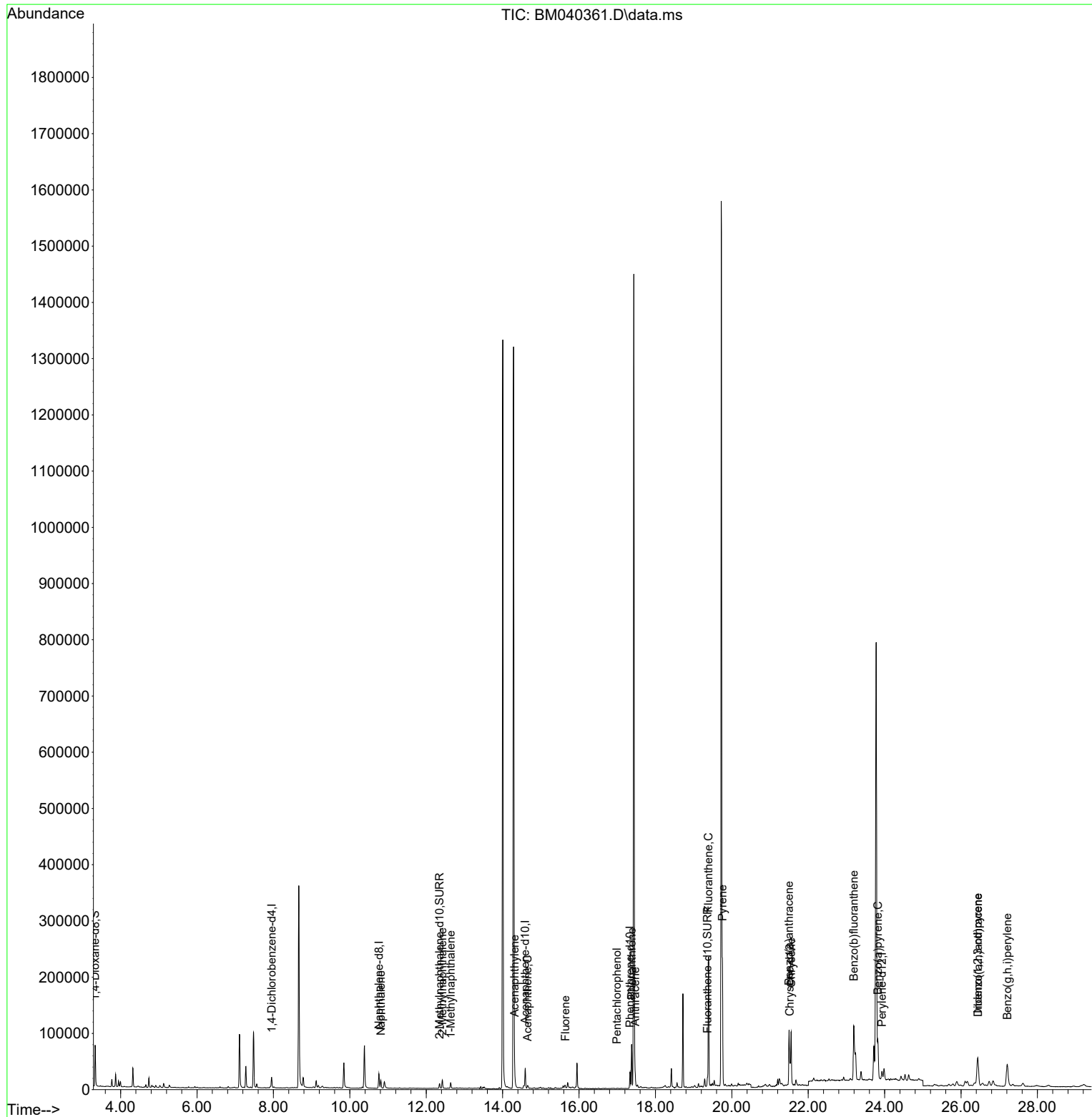
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	9372	0.400	ng/ul	0.00
4) Naphthalene-d8	10.762	136	34839	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.591	164	19629	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.336	188	33939	0.400	ng/ul	0.00
17) Chrysene-d12	21.515	240	18416	0.400	ng/ul	0.00
23) Perylene-d12	23.929	264	20154	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.333	96	42196	2.866	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.351	152	11515	0.236	ng/ul	0.00
18) Fluoranthene-d10	19.361	212	16245	0.275	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.811	128	19580	0.204	ng/ul	98
7) 2-Methylnaphthalene	12.422	142	10953	0.194	ng/ul	97
8) 1-Methylnaphthalene	12.642	142	7399	0.131	ng/ul	99
10) Acenaphthylene	14.313	152	16574	0.189	ng/ul	96
11) Acenaphthene	14.651	153	3449	0.047	ng/ul	95
12) Fluorene	15.641	166	3146	0.040	ng/ul#	88
14) Pentachlorophenol	16.990	266	217	0.033	ng/ul	91
15) Phenanthrene	17.379	178	79363	0.753	ng/ul	99
16) Anthracene	17.467	178	14600	0.165	ng/ul	95
19) Fluoranthene	19.389	202	191216	2.444	ng/ul	98
20) Pyrene	19.756	202	169065	2.016	ng/ul	95
21) Benzo(a)anthracene	21.497	228	80482	1.292	ng/ul	95
22) Chrysene	21.553	228	105304	1.482	ng/ul	96
24) Benzo(b)fluoranthene	23.192	252	160612	2.059	ng/ul	97
26) Benzo(a)pyrene	23.821	252	93343	1.329	ng/ul	93
27) Indeno(1,2,3-cd)pyrene	26.437	276	89514	0.915	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.447	278	22133	0.289	ng/ul#	76
29) Benzo(g,h,i)perylene	27.212	276	89988	1.049	ng/ul	98

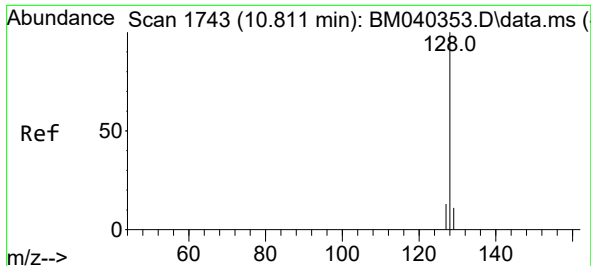
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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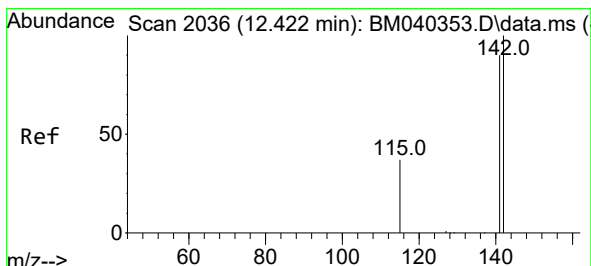
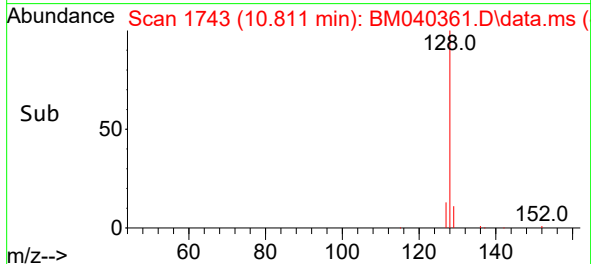
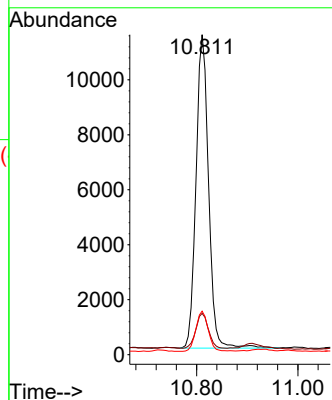
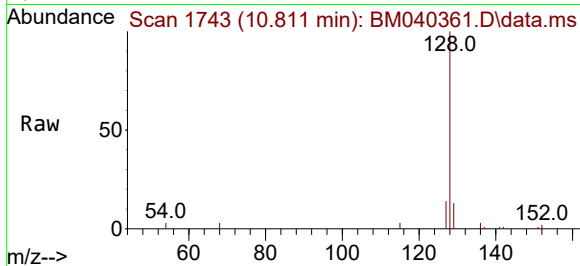




#5
Naphthalene
Concen: 0.204 ng/ul
RT: 10.811 min Scan# 1743
Delta R.T. -0.000 min
Lab File: BM040361.D
Acq: 22 Jun 2023 22:47

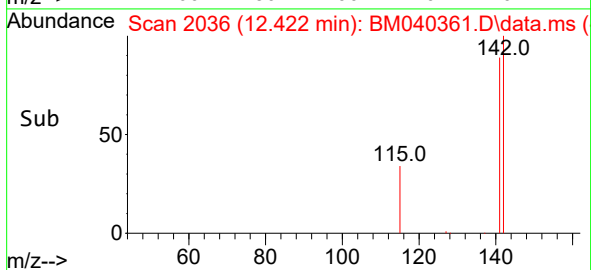
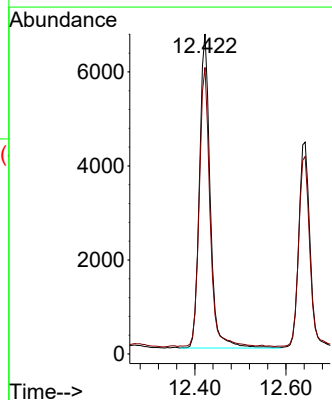
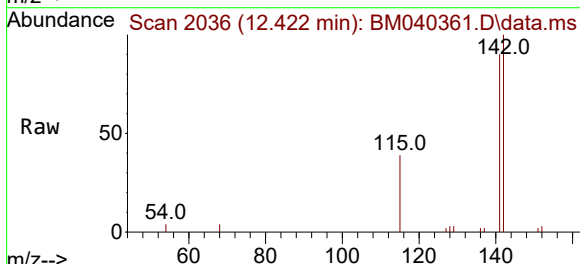
Instrument :
BNA_M
ClientSampleId :
DCFM5

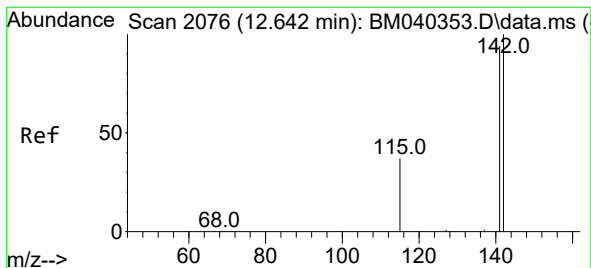
Tgt Ion:128 Resp: 19580
Ion Ratio Lower Upper
128 100
129 12.9 9.2 13.8
127 13.6 10.6 15.8



#7
2-Methylnaphthalene
Concen: 0.194 ng/ul
RT: 12.422 min Scan# 2036
Delta R.T. -0.000 min
Lab File: BM040361.D
Acq: 22 Jun 2023 22:47

Tgt Ion:142 Resp: 10953
Ion Ratio Lower Upper
142 100
141 87.5 71.9 107.9





#8

1-Methylnaphthalene

Concen: 0.131 ng/ul

RT: 12.642 min Scan# 2076

Delta R.T. -0.000 min

Lab File: BM040361.D

Acq: 22 Jun 2023 22:47

Instrument :

BNA_M

ClientSampleId :

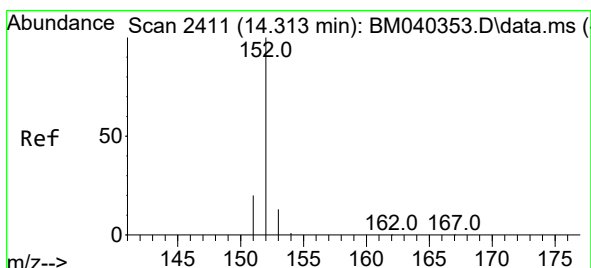
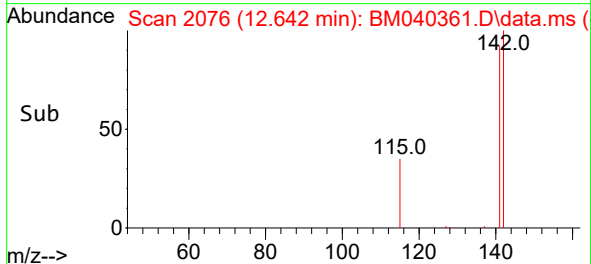
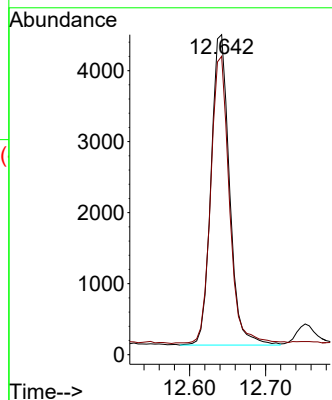
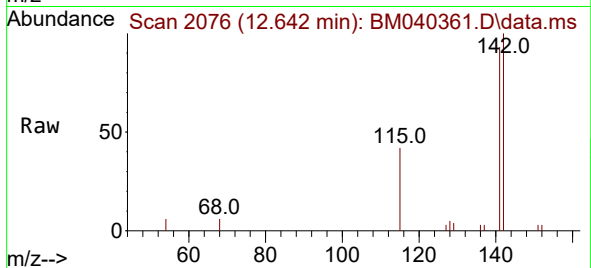
DCFM5

Tgt Ion:142 Resp: 7399

Ion Ratio Lower Upper

142 100

141 92.8 73.7 110.5



#10

Acenaphthylene

Concen: 0.189 ng/ul

RT: 14.313 min Scan# 2411

Delta R.T. -0.000 min

Lab File: BM040361.D

Acq: 22 Jun 2023 22:47

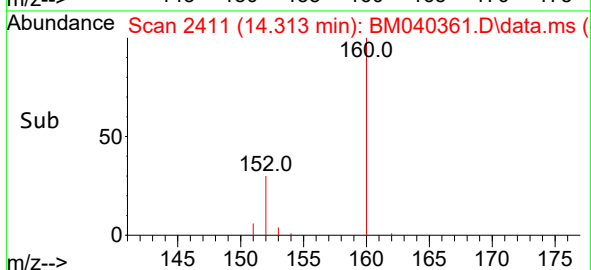
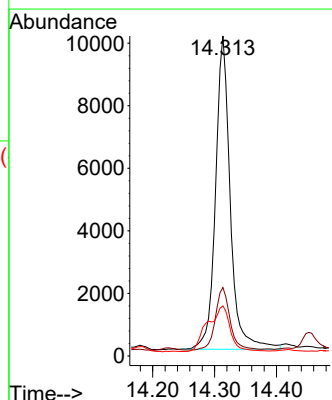
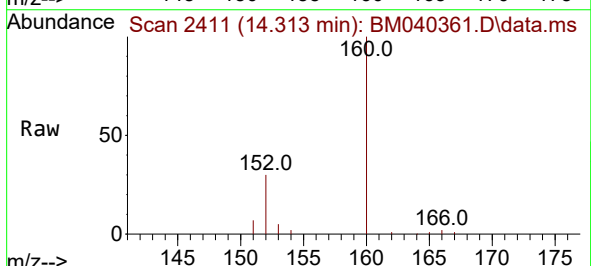
Tgt Ion:152 Resp: 16574

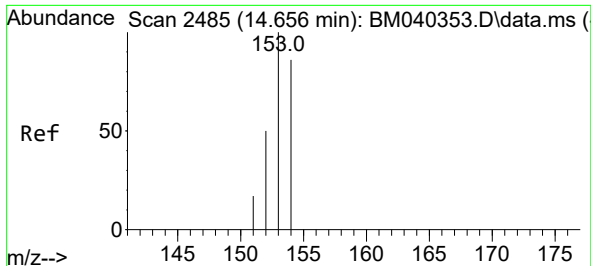
Ion Ratio Lower Upper

152 100

151 21.4 16.2 24.2

153 15.7 10.9 16.3

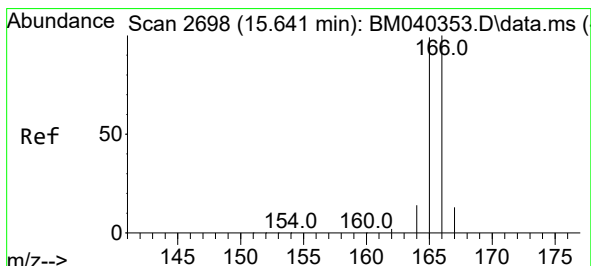
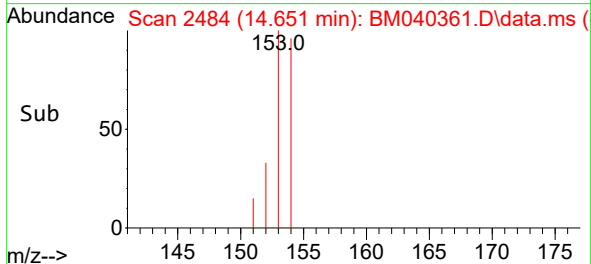
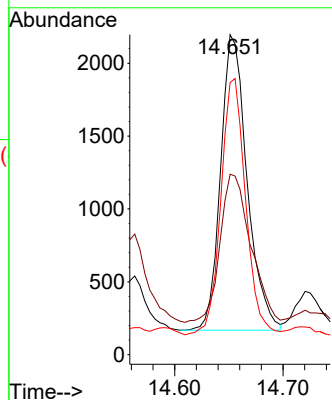
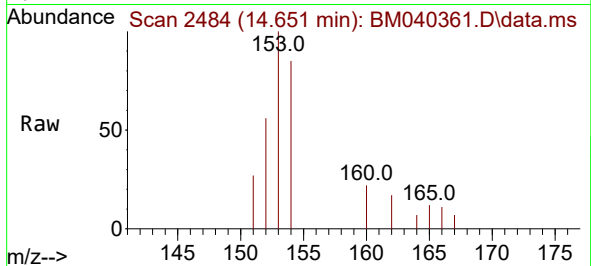




#11
Acenaphthene
Concen: 0.047 ng/ul
RT: 14.651 min Scan# 2484
Delta R.T. -0.005 min
Lab File: BM040361.D
Acq: 22 Jun 2023 22:47

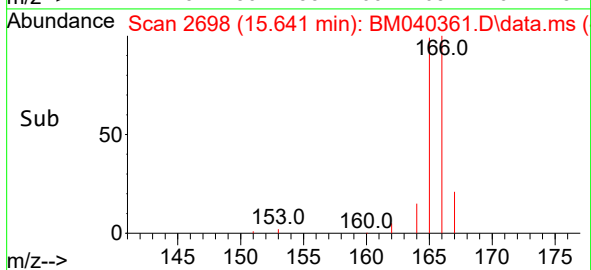
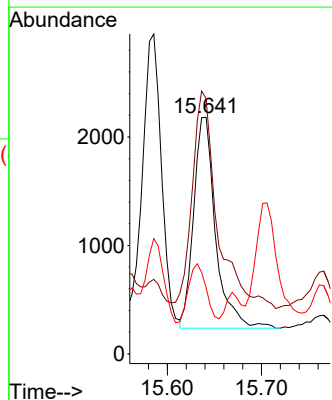
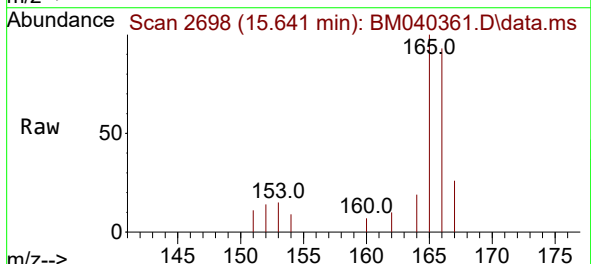
Instrument :
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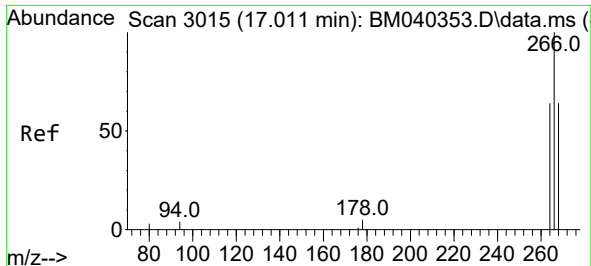
Tgt Ion:153 Resp: 3449
Ion Ratio Lower Upper
153 100
152 56.4 41.0 61.4
154 85.1 70.8 106.2



#12
Fluorene
Concen: 0.040 ng/ul
RT: 15.641 min Scan# 2698
Delta R.T. -0.000 min
Lab File: BM040361.D
Acq: 22 Jun 2023 22:47

Tgt Ion:166 Resp: 3146
Ion Ratio Lower Upper
166 100
165 107.9 79.6 119.4
167 28.0 11.4 17.0#

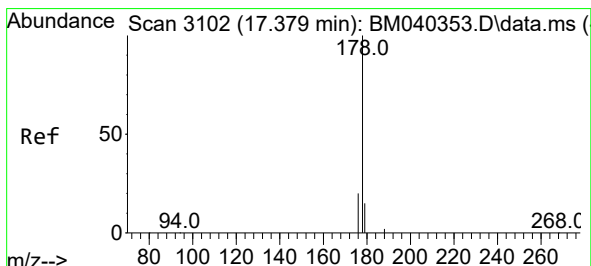
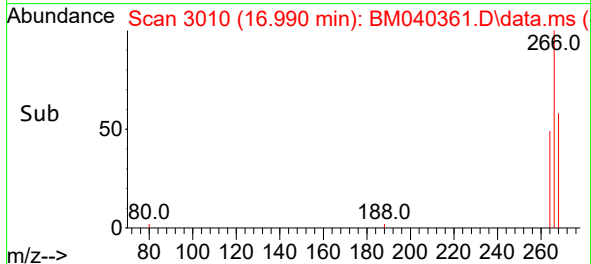
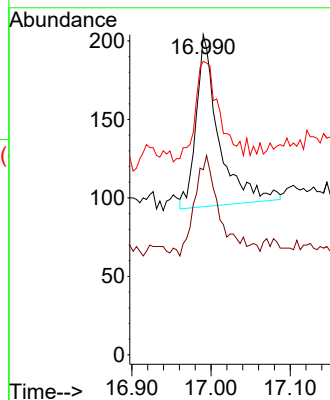
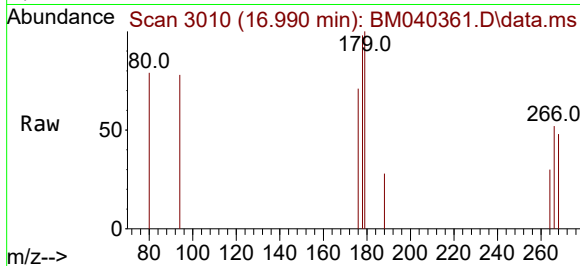




#14
 Pentachlorophenol
 Concen: 0.033 ng/ul
 RT: 16.990 min Scan# 3010
 Delta R.T. -0.021 min
 Lab File: BM040361.D
 Acq: 22 Jun 2023 22:47

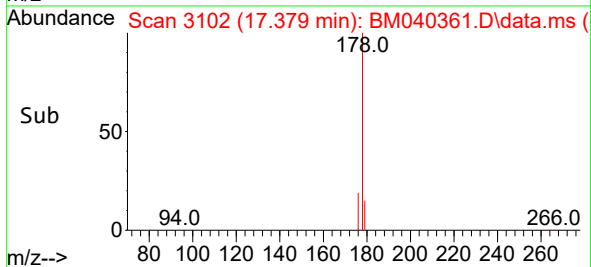
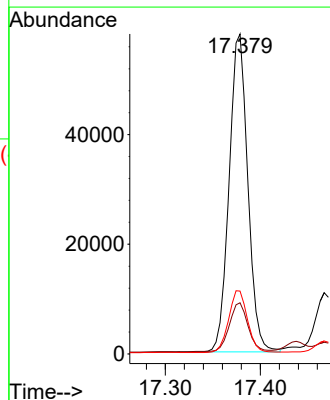
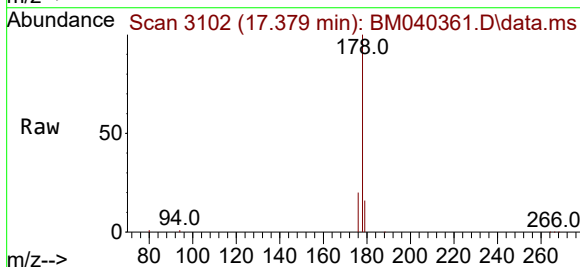
Instrument :
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 ClientSampleId :
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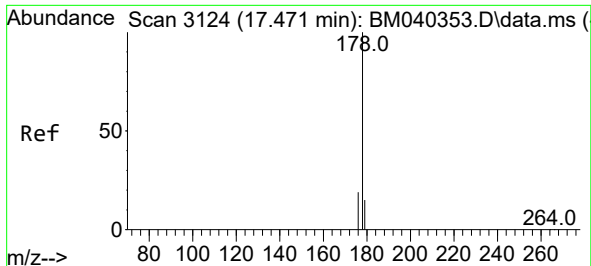
Tgt Ion:266 Resp: 217
 Ion Ratio Lower Upper
 266 100
 264 65.9 45.4 68.0
 268 63.6 47.2 70.8



#15
 Phenanthrene
 Concen: 0.753 ng/ul
 RT: 17.379 min Scan# 3102
 Delta R.T. -0.000 min
 Lab File: BM040361.D
 Acq: 22 Jun 2023 22:47

Tgt Ion:178 Resp: 79363
 Ion Ratio Lower Upper
 178 100
 179 16.0 12.8 19.2
 176 19.7 16.4 24.6

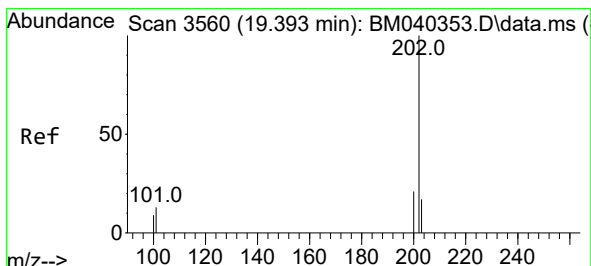
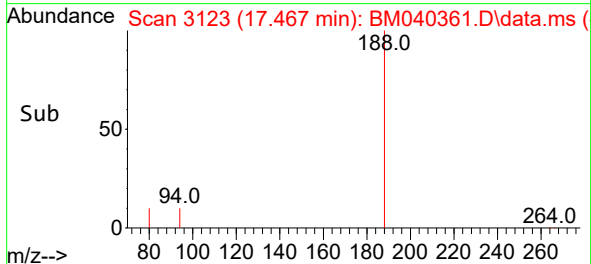
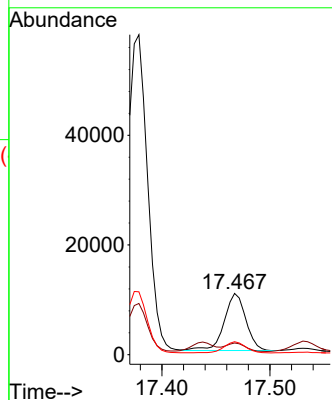
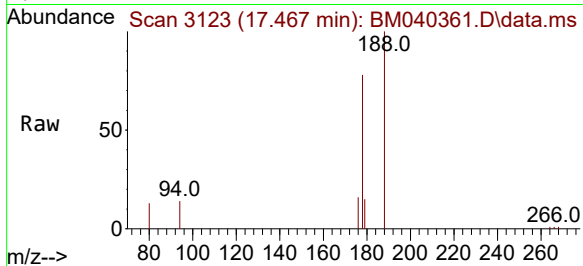




#16
 Anthracene
 Concen: 0.165 ng/ul
 RT: 17.467 min Scan# 3123
 Delta R.T. -0.004 min
 Lab File: BM040361.D
 Acq: 22 Jun 2023 22:47

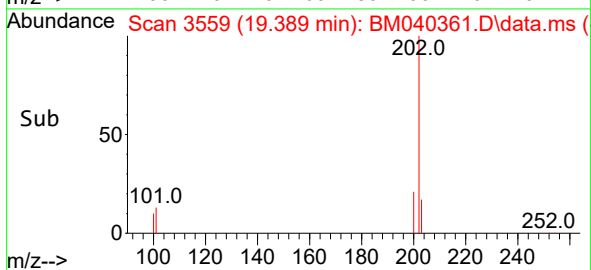
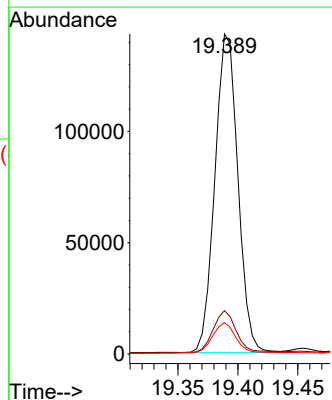
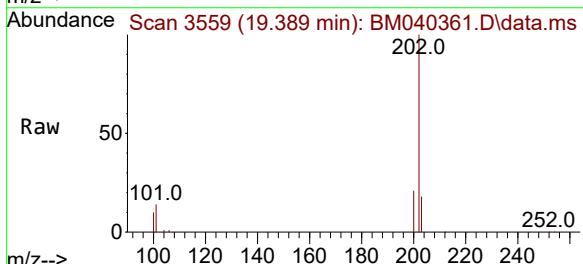
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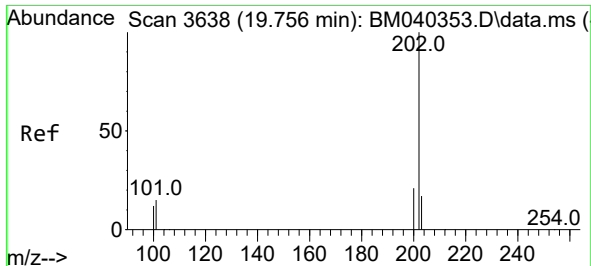
Tgt Ion:178 Resp: 14600
 Ion Ratio Lower Upper
 178 100
 179 19.0 12.9 19.3
 176 21.1 15.8 23.6



#19
 Fluoranthene
 Concen: 2.444 ng/ul
 RT: 19.389 min Scan# 3559
 Delta R.T. -0.000 min
 Lab File: BM040361.D
 Acq: 22 Jun 2023 22:47

Tgt Ion:202 Resp: 191216
 Ion Ratio Lower Upper
 202 100
 101 13.5 11.4 17.0
 100 9.8 8.7 13.1

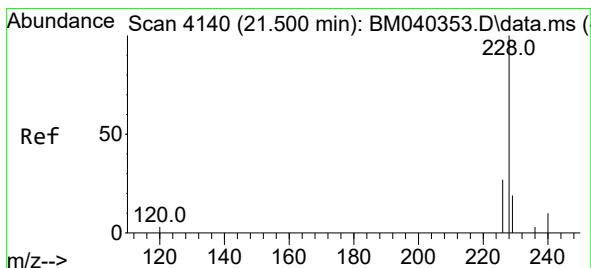
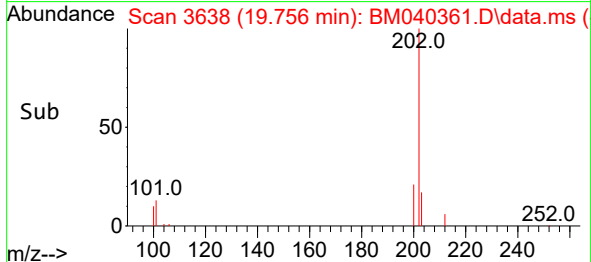
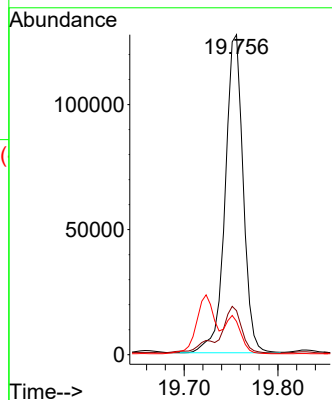
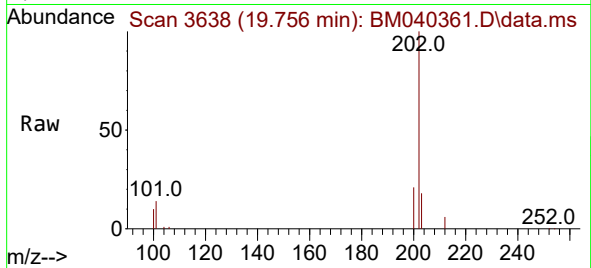




#20
Pyrene
Concen: 2.016 ng/ul
RT: 19.756 min Scan# 30
Delta R.T. -0.000 min
Lab File: BM040361.D
Acq: 22 Jun 2023 22:47

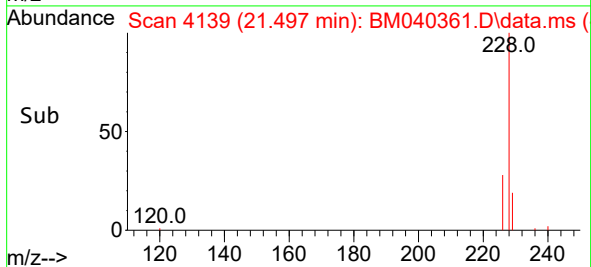
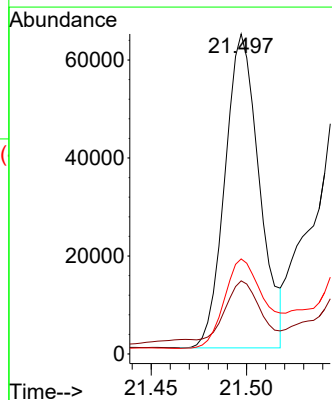
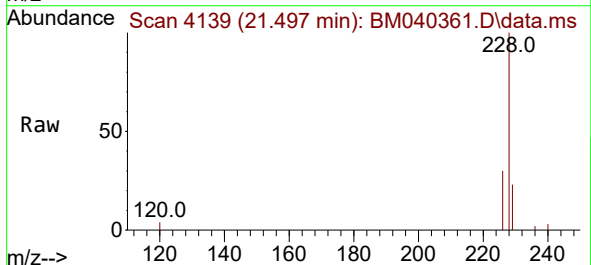
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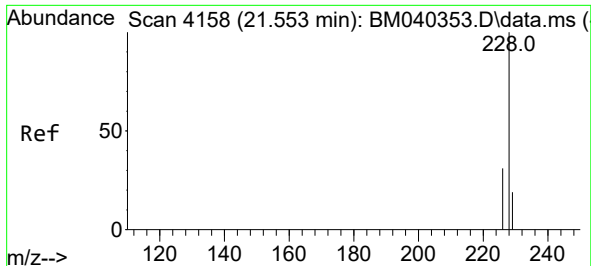
Tgt Ion:202 Resp: 169065
Ion Ratio Lower Upper
202 100
101 13.7 12.6 18.8
100 10.4 9.8 14.6



#21
Benzo(a)anthracene
Concen: 1.292 ng/ul
RT: 21.497 min Scan# 4139
Delta R.T. -0.003 min
Lab File: BM040361.D
Acq: 22 Jun 2023 22:47

Tgt Ion:228 Resp: 80482
Ion Ratio Lower Upper
228 100
229 22.8 16.0 24.0
226 29.7 22.3 33.5

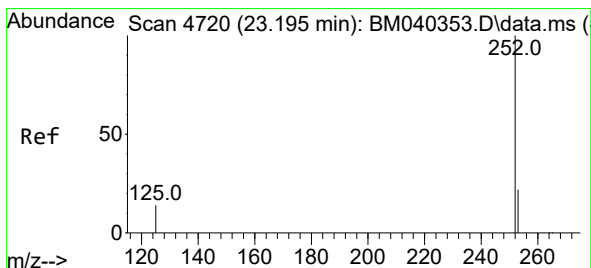
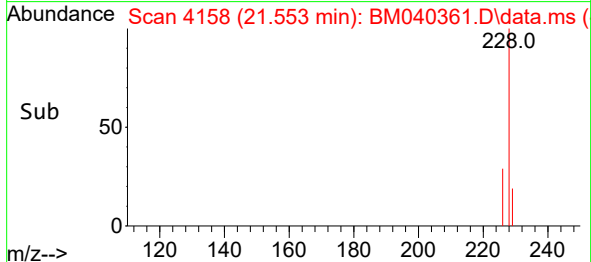
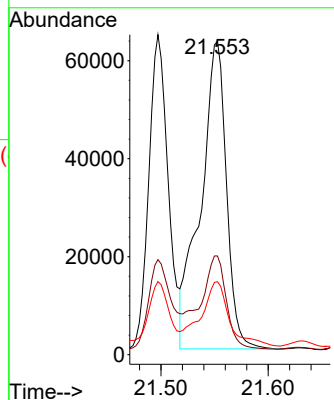
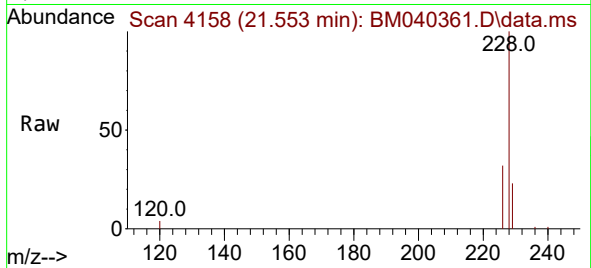




#22
Chrysene
Concen: 1.482 ng/ul
RT: 21.553 min Scan# 4158
Delta R.T. -0.000 min
Lab File: BM040361.D
Acq: 22 Jun 2023 22:47

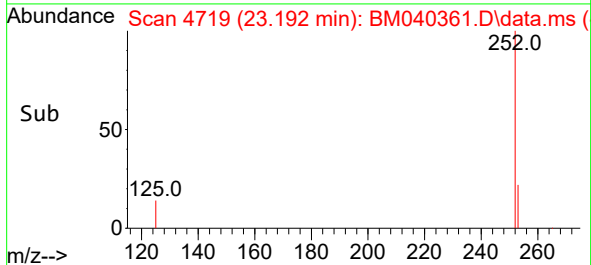
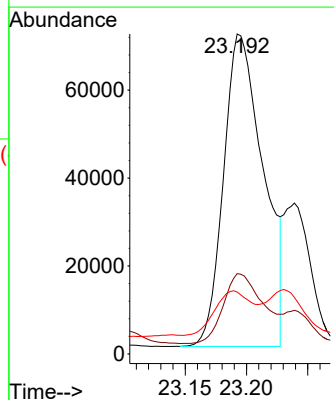
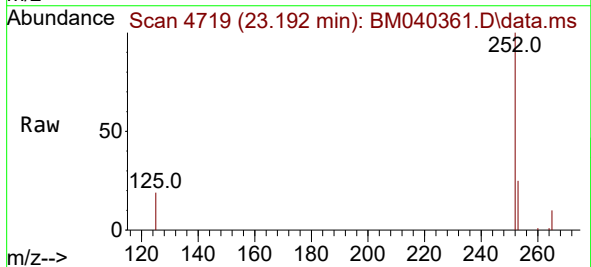
Instrument :
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DCFM5

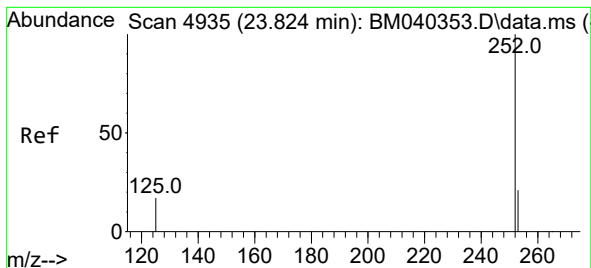
Tgt Ion:228 Resp: 105304
Ion Ratio Lower Upper
228 100
226 31.5 24.9 37.3
229 23.3 15.8 23.6



#24
Benzo(b)fluoranthene
Concen: 2.059 ng/ul
RT: 23.192 min Scan# 4719
Delta R.T. -0.000 min
Lab File: BM040361.D
Acq: 22 Jun 2023 22:47

Tgt Ion:252 Resp: 160612
Ion Ratio Lower Upper
252 100
253 25.1 0.0 52.8
125 19.4 0.0 43.0





#26

Benzo(a)pyrene

Concen: 1.329 ng/ul

RT: 23.821 min Scan# 4935

Delta R.T. -0.003 min

Lab File: BM040361.D

Acq: 22 Jun 2023 22:47

Instrument :

BNA_M

ClientSampleId :

DCFM5

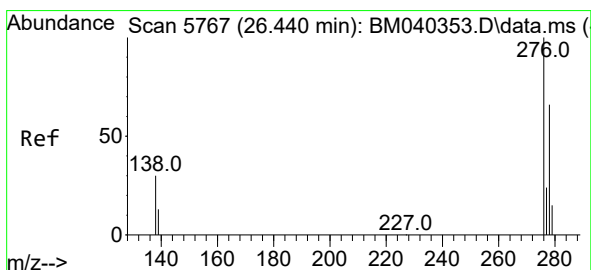
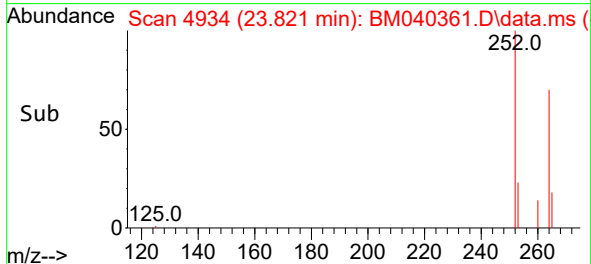
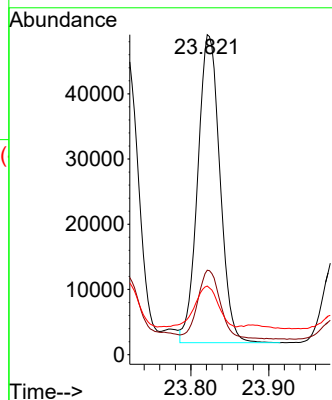
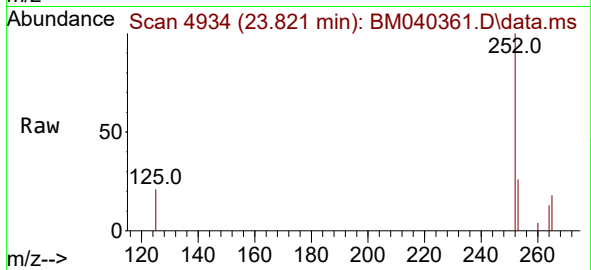
Tgt Ion:252 Resp: 93343

Ion Ratio Lower Upper

252 100

253 26.4 22.9 34.3

125 21.4 21.0 31.4



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.915 ng/ul

RT: 26.437 min Scan# 5766

Delta R.T. 0.003 min

Lab File: BM040361.D

Acq: 22 Jun 2023 22:47

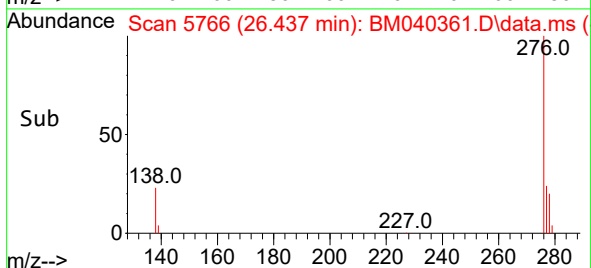
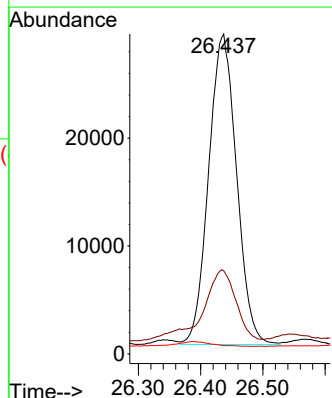
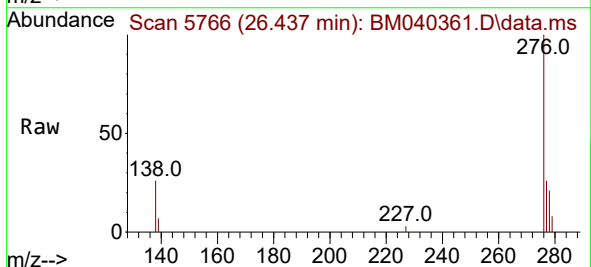
Tgt Ion:276 Resp: 89514

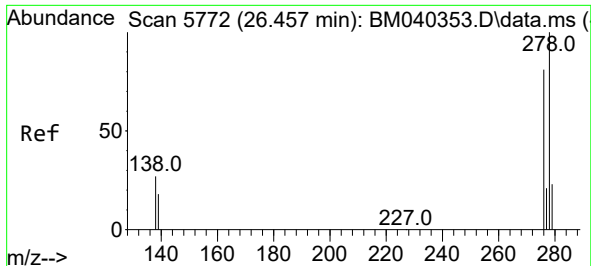
Ion Ratio Lower Upper

276 100

138 22.7 24.5 36.7#

227 0.0 0.1 0.1#

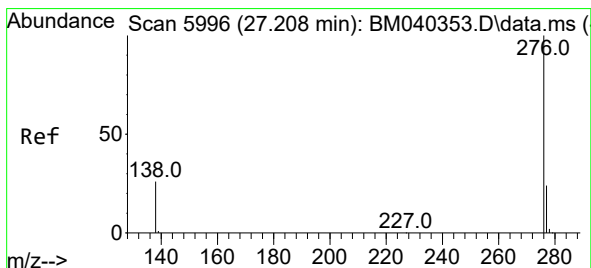
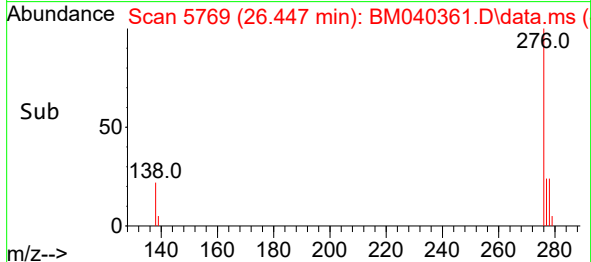
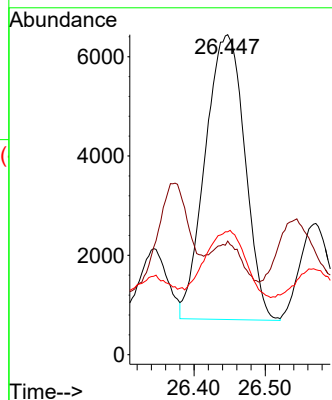
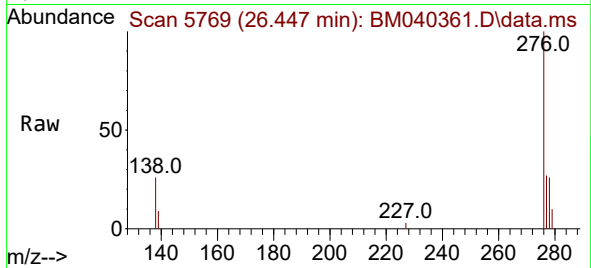




#28
Dibenzo(a,h)anthracene
Concen: 0.289 ng/ul
RT: 26.447 min Scan# 51
Delta R.T. -0.007 min
Lab File: BM040361.D
Acq: 22 Jun 2023 22:47

Instrument :
BNA_M
ClientSampleId :
DCFM5

Tgt Ion:278 Resp: 22133
Ion Ratio Lower Upper
278 100
139 35.5 17.9 26.9#
279 38.4 22.0 33.0#



#29
Benzo(g,h,i)perylene
Concen: 1.049 ng/ul
RT: 27.212 min Scan# 5997
Delta R.T. 0.007 min
Lab File: BM040361.D
Acq: 22 Jun 2023 22:47

Tgt Ion:276 Resp: 89988
Ion Ratio Lower Upper
276 100
138 27.2 23.0 34.6
277 25.7 20.3 30.5

