

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062223\
 Data File : BM040355.D
 Acq On : 22 Jun 2023 19:06
 Operator : MA/JU
 Sample : 03084-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFL9

Quant Time: Jun 23 02:27:10 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)

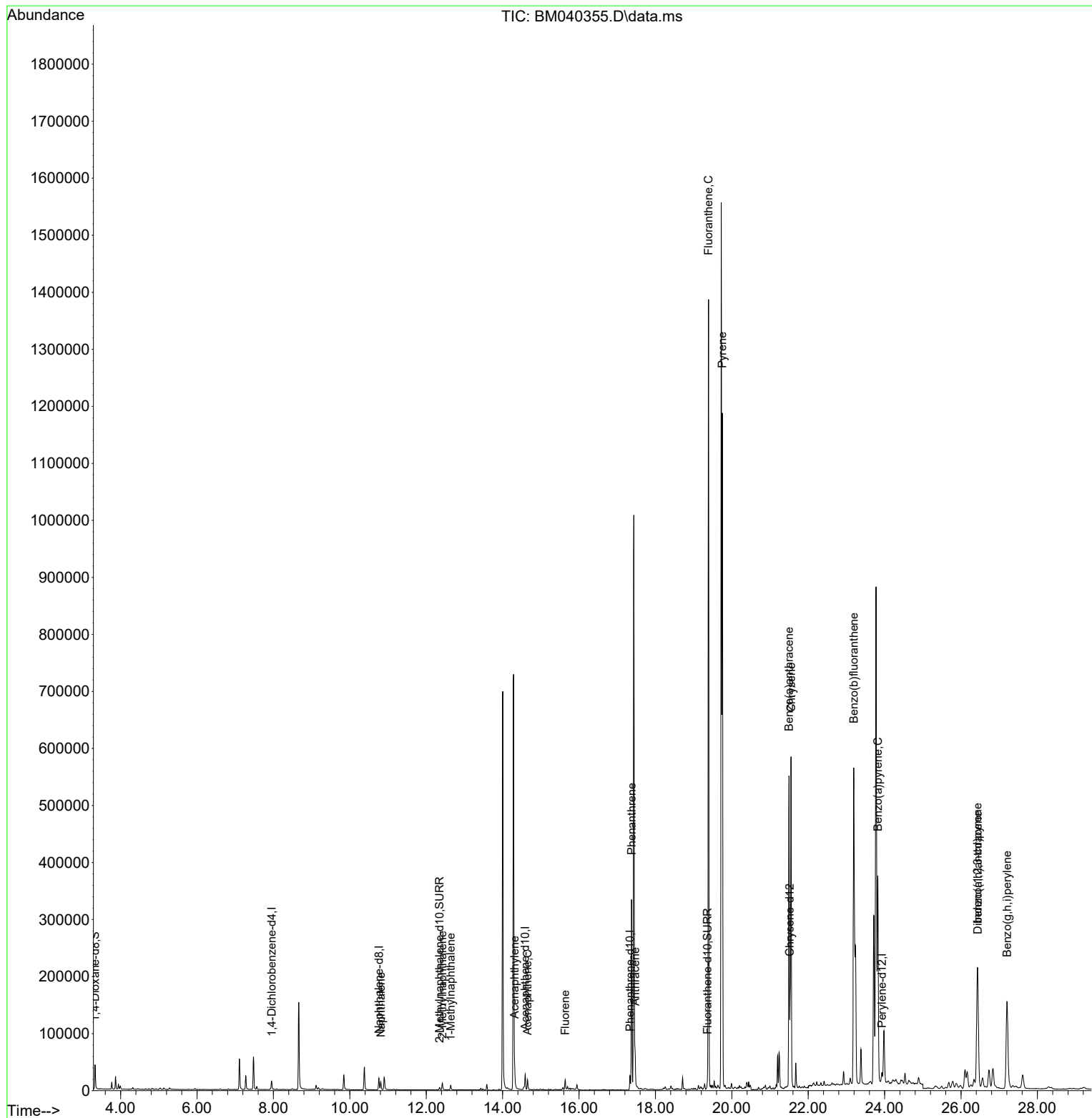
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	7731	0.400	ng/ul	0.00
4) Naphthalene-d8	10.762	136	28126	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.591	164	14941	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.337	188	28456	0.400	ng/ul	0.00
17) Chrysene-d12	21.512	240	25636	0.400	ng/ul	0.00
23) Perylene-d12	23.929	264	23921	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.333	96	26400	2.174	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.351	152	6251	0.159	ng/ul	0.00
18) Fluoranthene-d10	19.361	212	12189	0.148	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.811	128	18608	0.240	ng/ul	99
7) 2-Methylnaphthalene	12.422	142	9329	0.205	ng/ul	100
8) 1-Methylnaphthalene	12.642	142	6018	0.132	ng/ul	99
10) Acenaphthylene	14.313	152	31243	0.468	ng/ul	99
11) Acenaphthene	14.651	153	10383	0.184	ng/ul	98
12) Fluorene	15.637	166	10396	0.173	ng/ul#	98
15) Phenanthrene	17.375	178	347282	3.929	ng/ul	98
16) Anthracene	17.467	178	54300	0.731	ng/ul	99
19) Fluoranthene	19.389	202	1083358	9.949	ng/ul	96
20) Pyrene	19.751	202	924399	7.918	ng/ul	99
21) Benzo(a)anthracene	21.494	228	469514	5.415	ng/ul	99
22) Chrysene	21.550	228	574137	5.804	ng/ul	98
24) Benzo(b)fluoranthene	23.193	252	887717	9.589	ng/ul	88
26) Benzo(a)pyrene	23.821	252	499302	5.988	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	26.431	276	373881	3.219	ng/ul#	90
28) Dibenzo(a,h)anthracene	26.441	278	87361	0.961	ng/ul	96
29) Benzo(g,h,i)perylene	27.202	276	338301	3.324	ng/ul	96

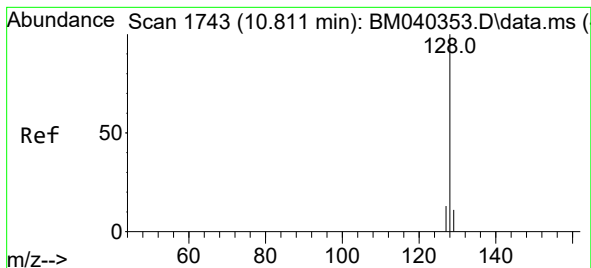
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.240 ng/ul

RT: 10.811 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM040355.D

Acq: 22 Jun 2023 19:06

Instrument :

BNA_M

ClientSampleId :

DCFL9

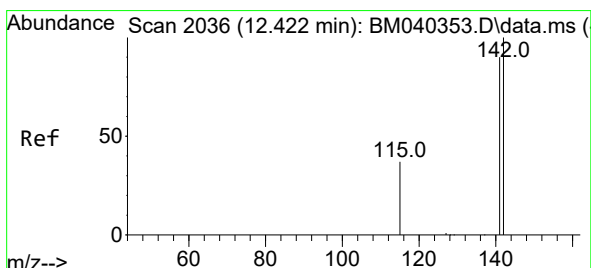
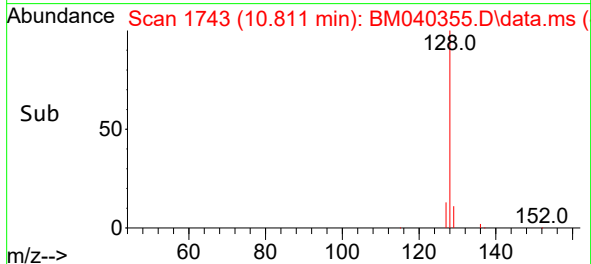
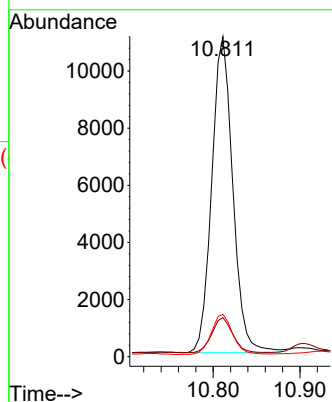
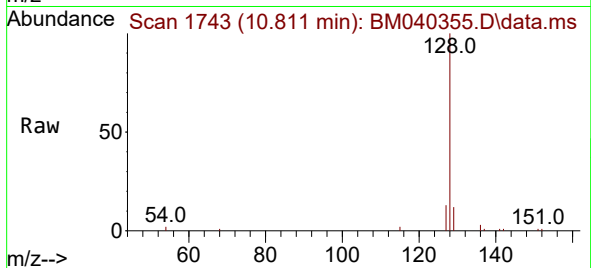
Tgt Ion:128 Resp: 18608

Ion Ratio Lower Upper

128 100

129 12.2 9.2 13.8

127 13.2 10.6 15.8



#7

2-Methylnaphthalene

Concen: 0.205 ng/ul

RT: 12.422 min Scan# 2036

Delta R.T. 0.000 min

Lab File: BM040355.D

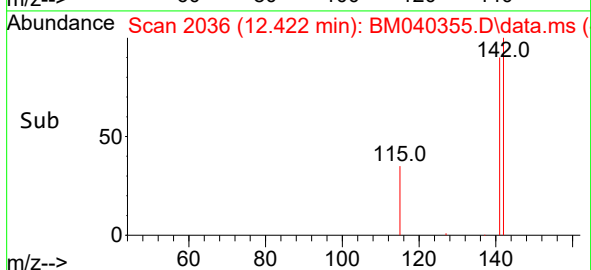
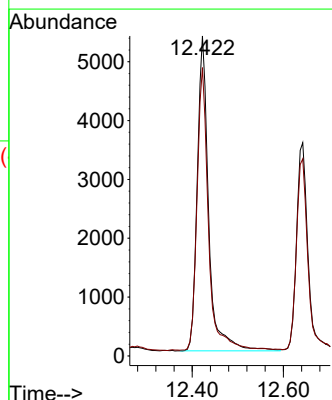
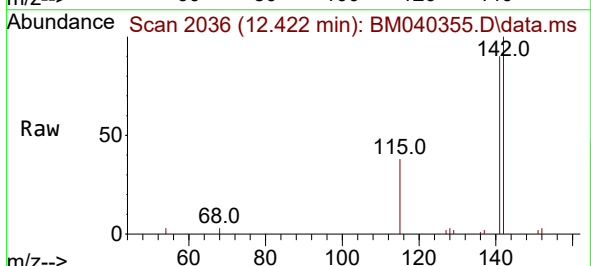
Acq: 22 Jun 2023 19:06

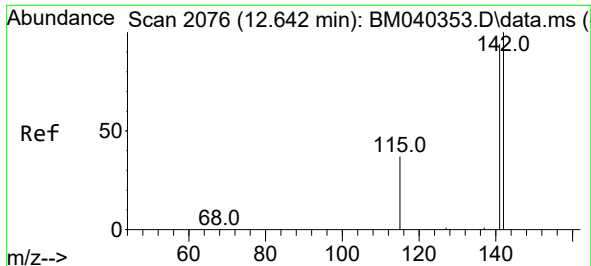
Tgt Ion:142 Resp: 9329

Ion Ratio Lower Upper

142 100

141 89.8 71.9 107.9

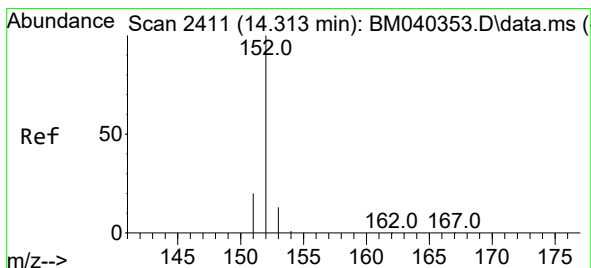
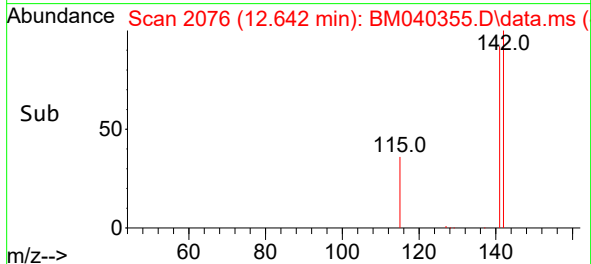
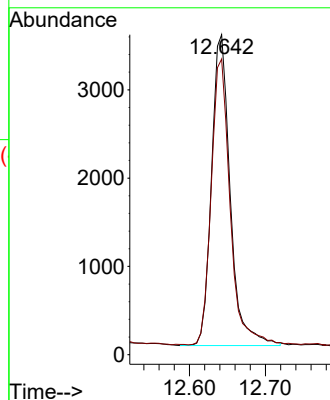
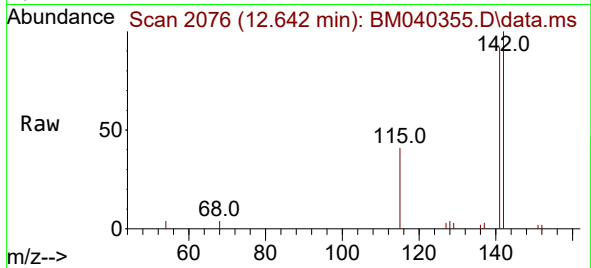




#8
1-Methylnaphthalene
Concen: 0.132 ng/ul
RT: 12.642 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06

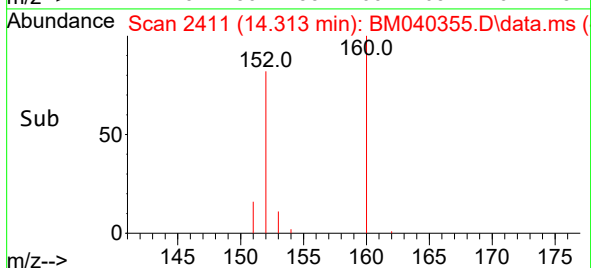
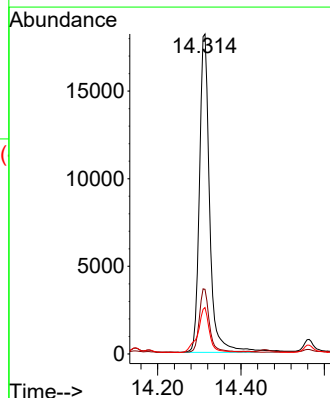
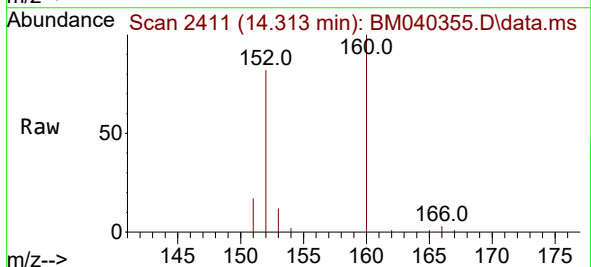
Instrument :
BNA_M
ClientSampleId :
DCFL9

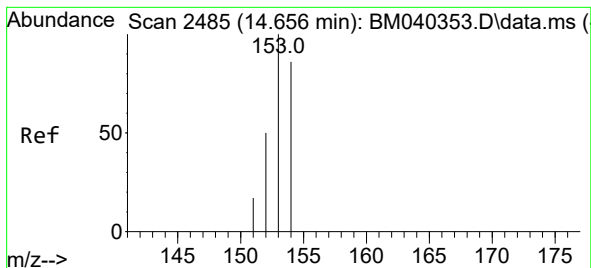
Tgt Ion:142 Resp: 6018
Ion Ratio Lower Upper
142 100
141 92.9 73.7 110.5



#10
Acenaphthylene
Concen: 0.468 ng/ul
RT: 14.313 min Scan# 2411
Delta R.T. 0.000 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06

Tgt Ion:152 Resp: 31243
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 14.5 10.9 16.3





#11

Acenaphthene

Concen: 0.184 ng/ul

RT: 14.651 min Scan# 2485

Delta R.T. -0.005 min

Lab File: BM040355.D

Acq: 22 Jun 2023 19:06

Instrument :

BNA_M

ClientSampleId :

DCFL9

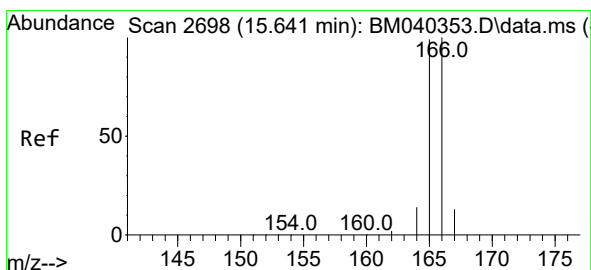
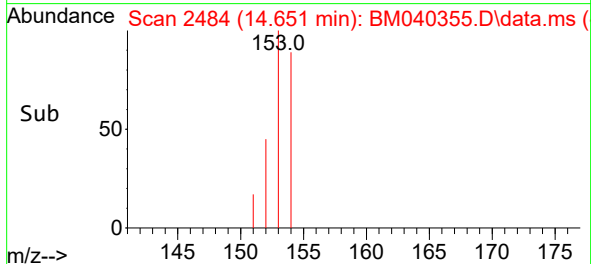
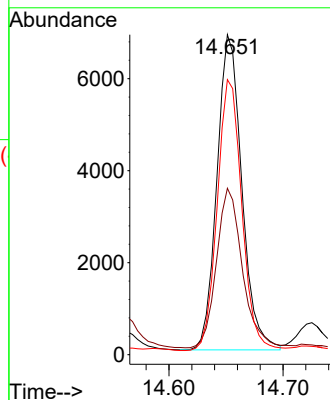
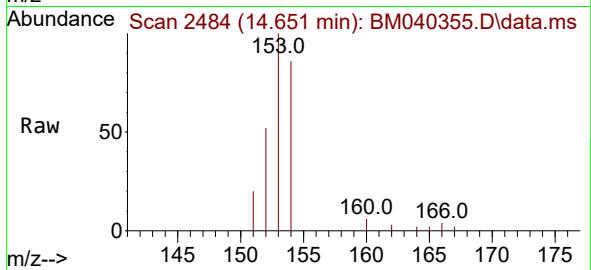
Tgt Ion:153 Resp: 10383

Ion Ratio Lower Upper

153 100

152 52.0 41.0 61.4

154 86.0 70.8 106.2



#12

Fluorene

Concen: 0.173 ng/ul

RT: 15.637 min Scan# 2697

Delta R.T. -0.005 min

Lab File: BM040355.D

Acq: 22 Jun 2023 19:06

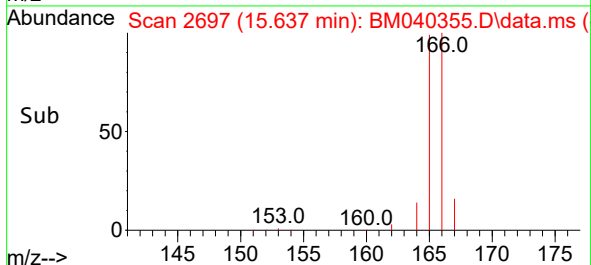
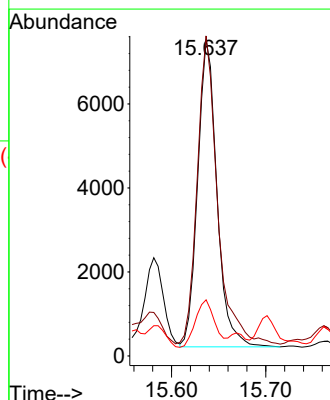
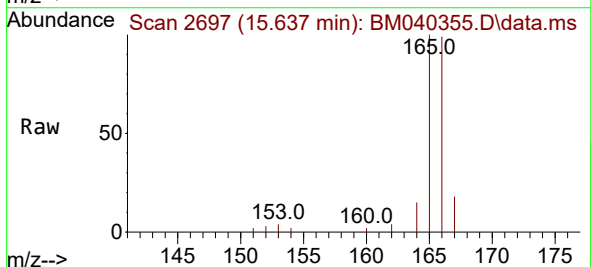
Tgt Ion:166 Resp: 10396

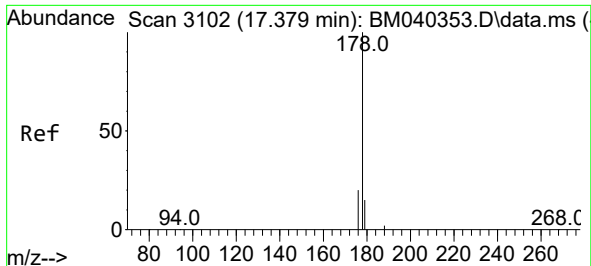
Ion Ratio Lower Upper

166 100

165 101.1 79.6 119.4

167 17.7 11.4 17.0#

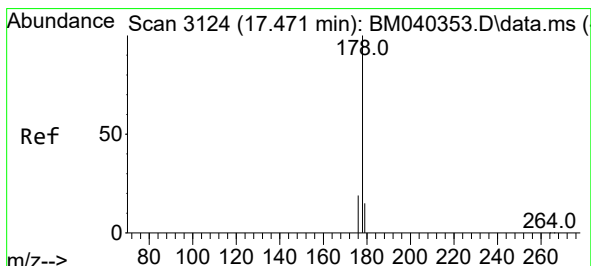
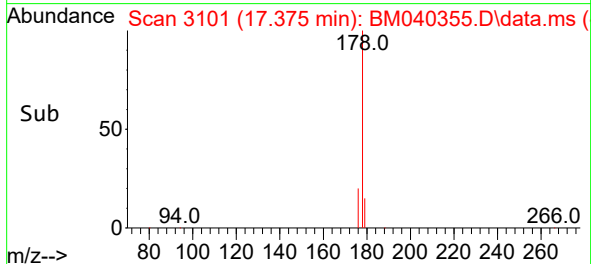
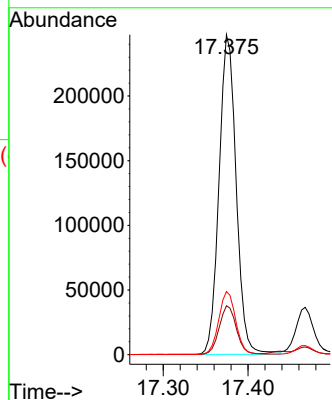
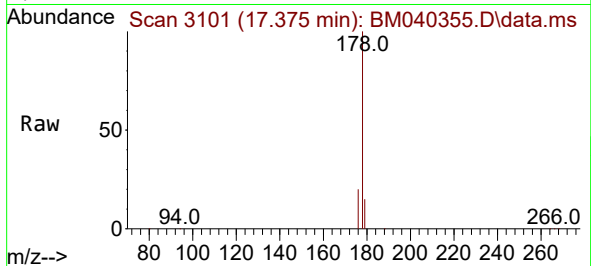




#15
Phenanthrene
Concen: 3.929 ng/ul
RT: 17.375 min Scan# 3101
Delta R.T. -0.004 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06

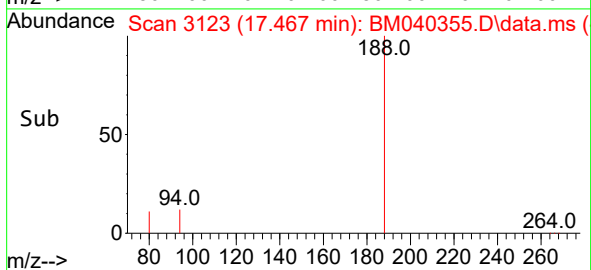
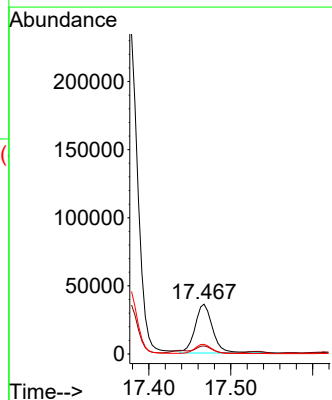
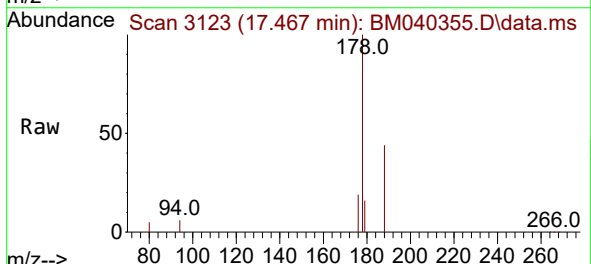
Instrument :
BNA_M
ClientSampleId :
DCFL9

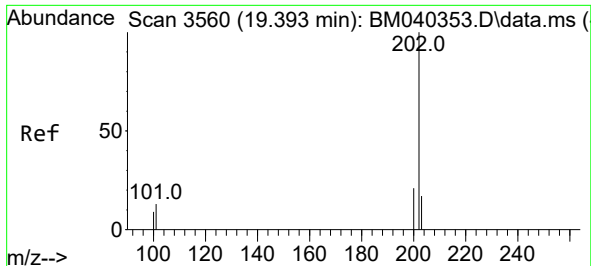
Tgt Ion:178 Resp: 347282
Ion Ratio Lower Upper
178 100
179 15.3 12.8 19.2
176 19.8 16.4 24.6



#16
Anthracene
Concen: 0.731 ng/ul
RT: 17.467 min Scan# 3123
Delta R.T. -0.004 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06

Tgt Ion:178 Resp: 54300
Ion Ratio Lower Upper
178 100
179 16.2 12.9 19.3
176 19.3 15.8 23.6

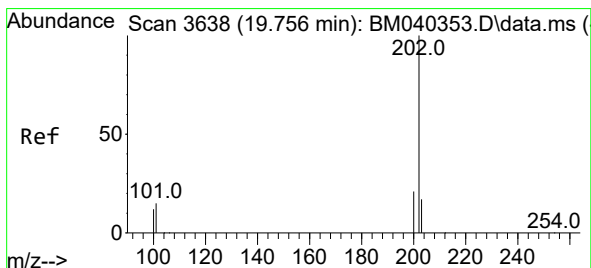
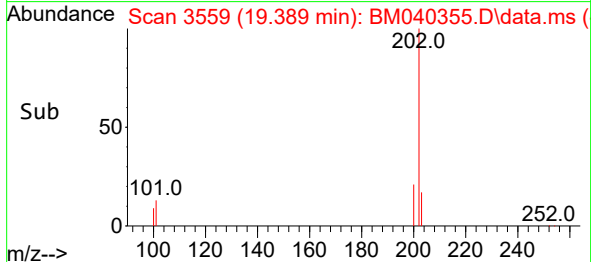
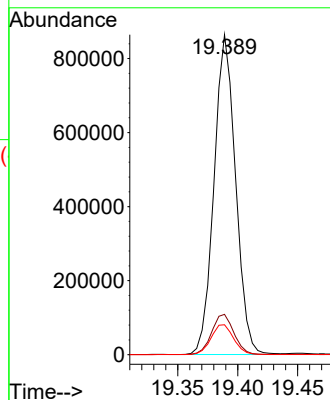
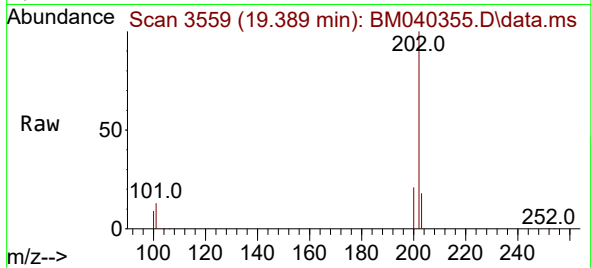




#19
Fluoranthene
Concen: 9.949 ng/ul
RT: 19.389 min Scan# 3559
Delta R.T. 0.000 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06

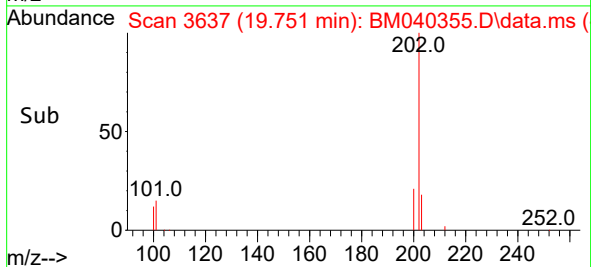
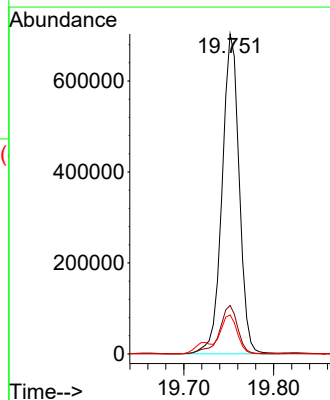
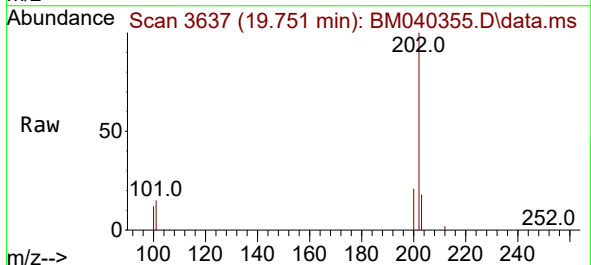
Instrument :
BNA_M
ClientSampleId :
DCFL9

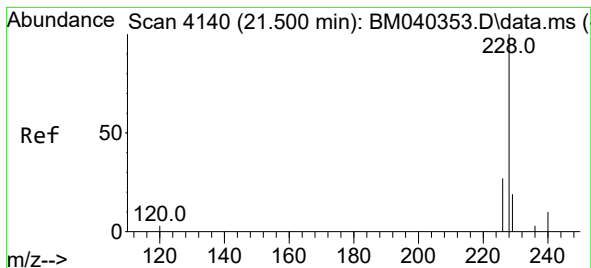
Tgt Ion:202 Resp: 1083358
Ion Ratio Lower Upper
202 100
101 12.6 11.4 17.0
100 9.4 8.7 13.1



#20
Pyrene
Concen: 7.918 ng/ul
RT: 19.751 min Scan# 3637
Delta R.T. -0.005 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06

Tgt Ion:202 Resp: 924399
Ion Ratio Lower Upper
202 100
101 15.1 12.6 18.8
100 12.2 9.8 14.6





#21

Benzo(a)anthracene

Concen: 5.415 ng/ul

RT: 21.494 min Scan# 41

Delta R.T. -0.006 min

Lab File: BM040355.D

Acq: 22 Jun 2023 19:06

Instrument :

BNA_M

ClientSampleId :

DCFL9

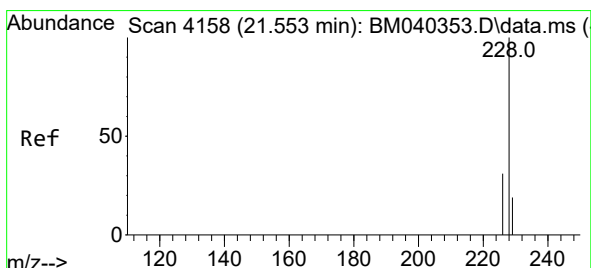
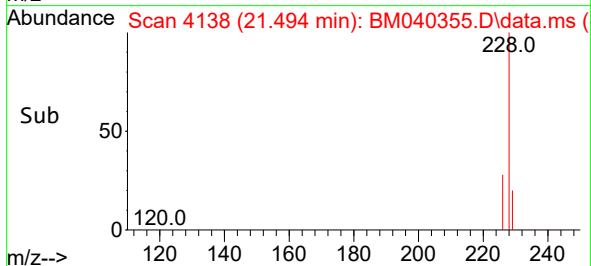
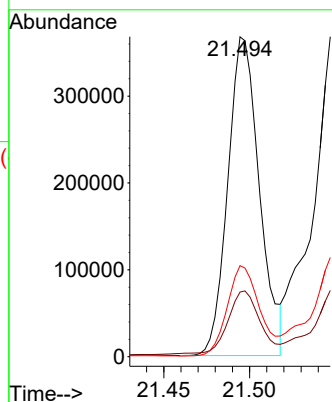
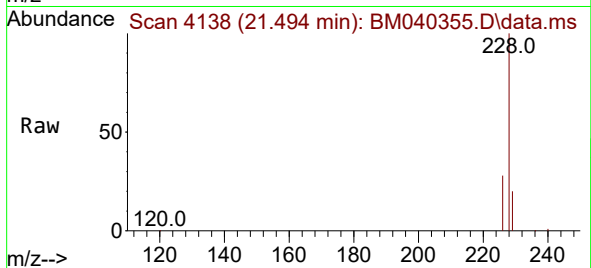
Tgt Ion:228 Resp: 469514

Ion Ratio Lower Upper

228 100

229 20.2 16.0 24.0

226 28.4 22.3 33.5



#22

Chrysene

Concen: 5.804 ng/ul

RT: 21.550 min Scan# 4157

Delta R.T. -0.003 min

Lab File: BM040355.D

Acq: 22 Jun 2023 19:06

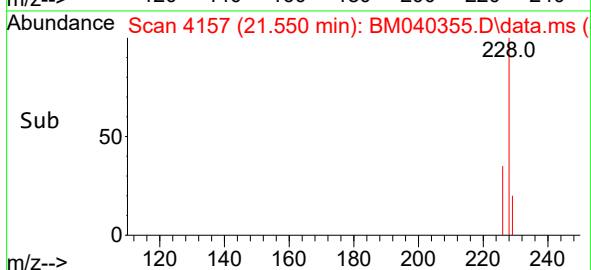
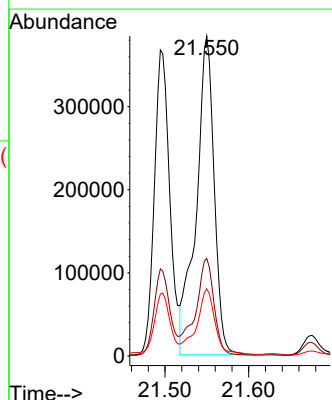
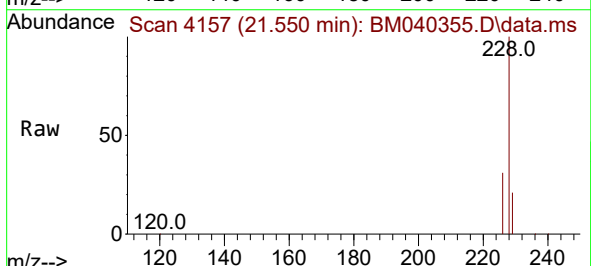
Tgt Ion:228 Resp: 574137

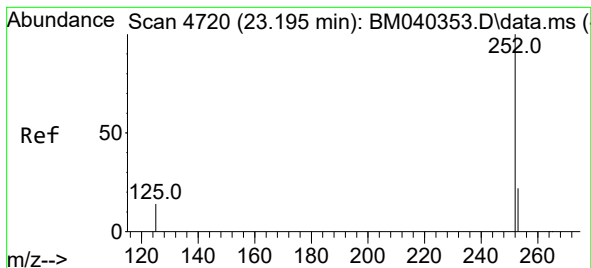
Ion Ratio Lower Upper

228 100

226 30.5 24.9 37.3

229 21.0 15.8 23.6





#24

Benzo(b)fluoranthene

Concen: 9.589 ng/ul

RT: 23.193 min Scan# 4719

Delta R.T. 0.000 min

Lab File: BM040355.D

Acq: 22 Jun 2023 19:06

Instrument :

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DCFL9

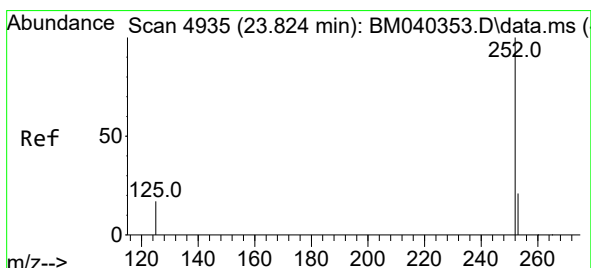
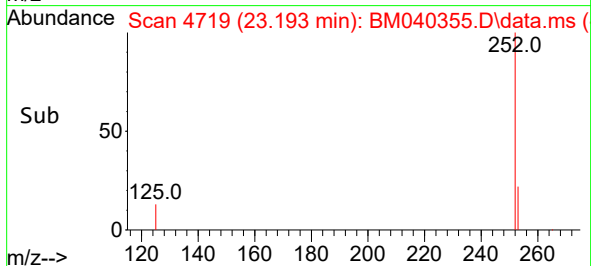
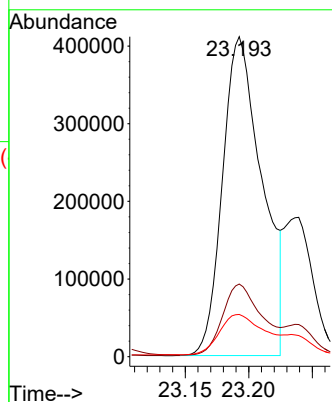
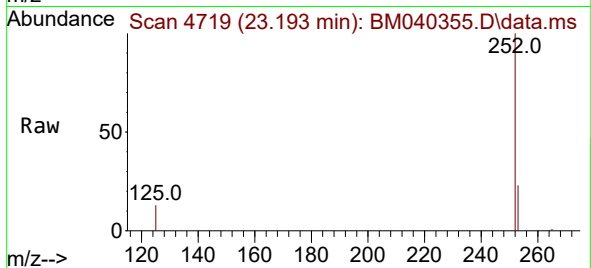
Tgt Ion:252 Resp: 887717

Ion Ratio Lower Upper

252 100

253 22.7 0.0 52.8

125 13.2 0.0 43.0



#26

Benzo(a)pyrene

Concen: 5.988 ng/ul

RT: 23.821 min Scan# 4934

Delta R.T. -0.003 min

Lab File: BM040355.D

Acq: 22 Jun 2023 19:06

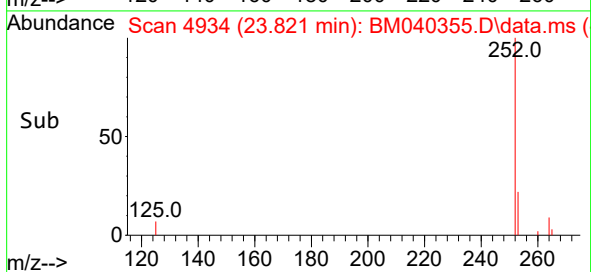
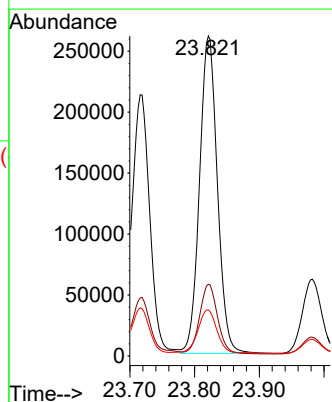
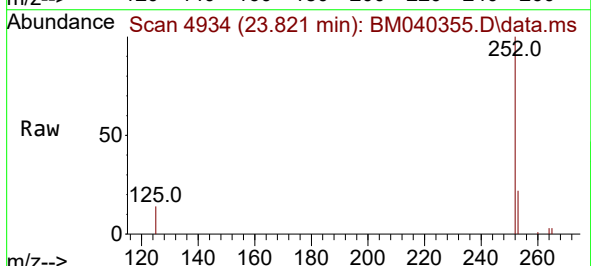
Tgt Ion:252 Resp: 499302

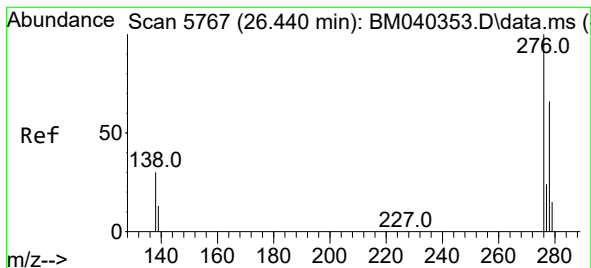
Ion Ratio Lower Upper

252 100

253 22.4 22.9 34.3#

125 14.4 21.0 31.4#

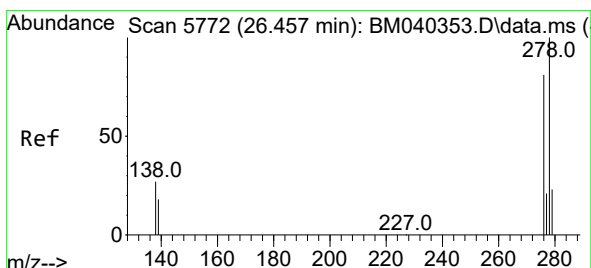
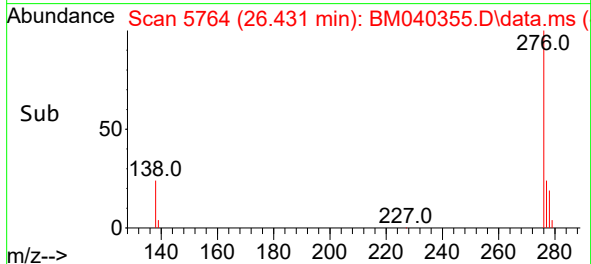
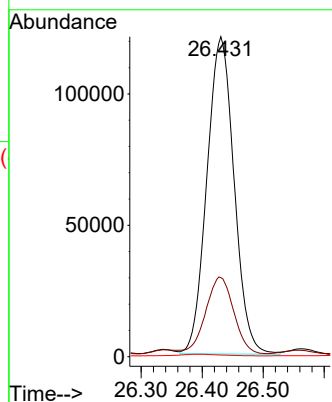
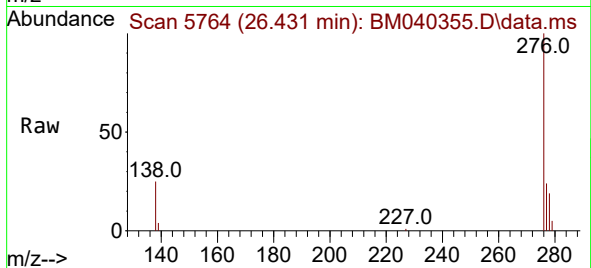




#27
Indeno(1,2,3-cd)pyrene
Concen: 3.219 ng/ul
RT: 26.431 min Scan# 5767
Delta R.T. -0.003 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06

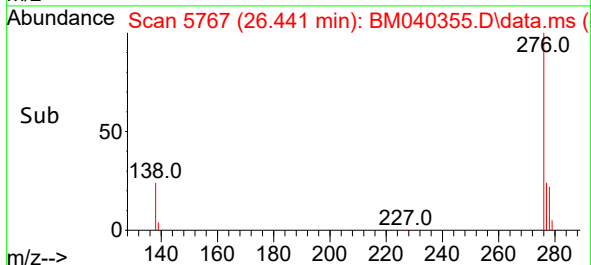
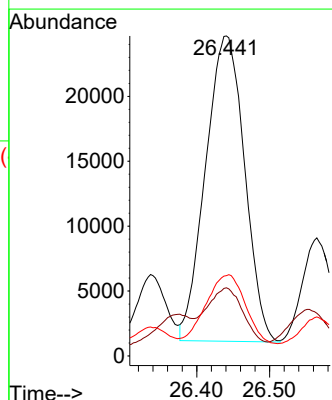
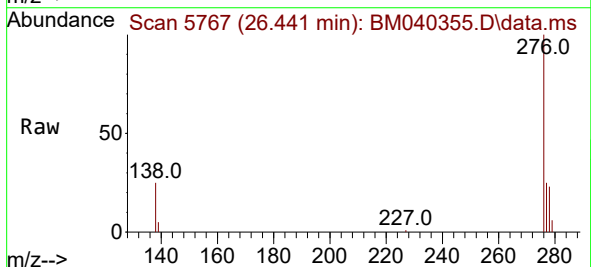
Instrument :
BNA_M
ClientSampleId :
DCFL9

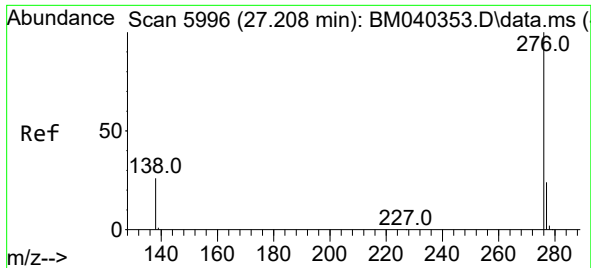
Tgt Ion:276 Resp: 373881
Ion Ratio Lower Upper
276 100
138 24.9 24.5 36.7
227 0.0 0.1 0.1#



#28
Dibenzo(a,h)anthracene
Concen: 0.961 ng/ul
RT: 26.441 min Scan# 5767
Delta R.T. -0.013 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06

Tgt Ion:278 Resp: 87361
Ion Ratio Lower Upper
278 100
139 21.3 17.9 26.9
279 25.1 22.0 33.0





#29
 Benzo(g,h,i)perylene
 Concen: 3.324 ng/ul
 RT: 27.202 min Scan# 5994
 Delta R.T. -0.003 min
 Lab File: BM040355.D
 Acq: 22 Jun 2023 19:06

Instrument :
 BNA_M
 ClientSampleId :
 DCFL9

Tgt Ion:276 Resp: 338301
 Ion Ratio Lower Upper
 276 100
 138 26.0 23.0 34.6
 277 23.9 20.3 30.5

