

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062623\
 Data File : BM040407.D
 Acq On : 26 Jun 2023 18:34
 Operator : MA/JU
 Sample : 03084-21MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFQ7MSD

Quant Time: Jun 27 04:26:48 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

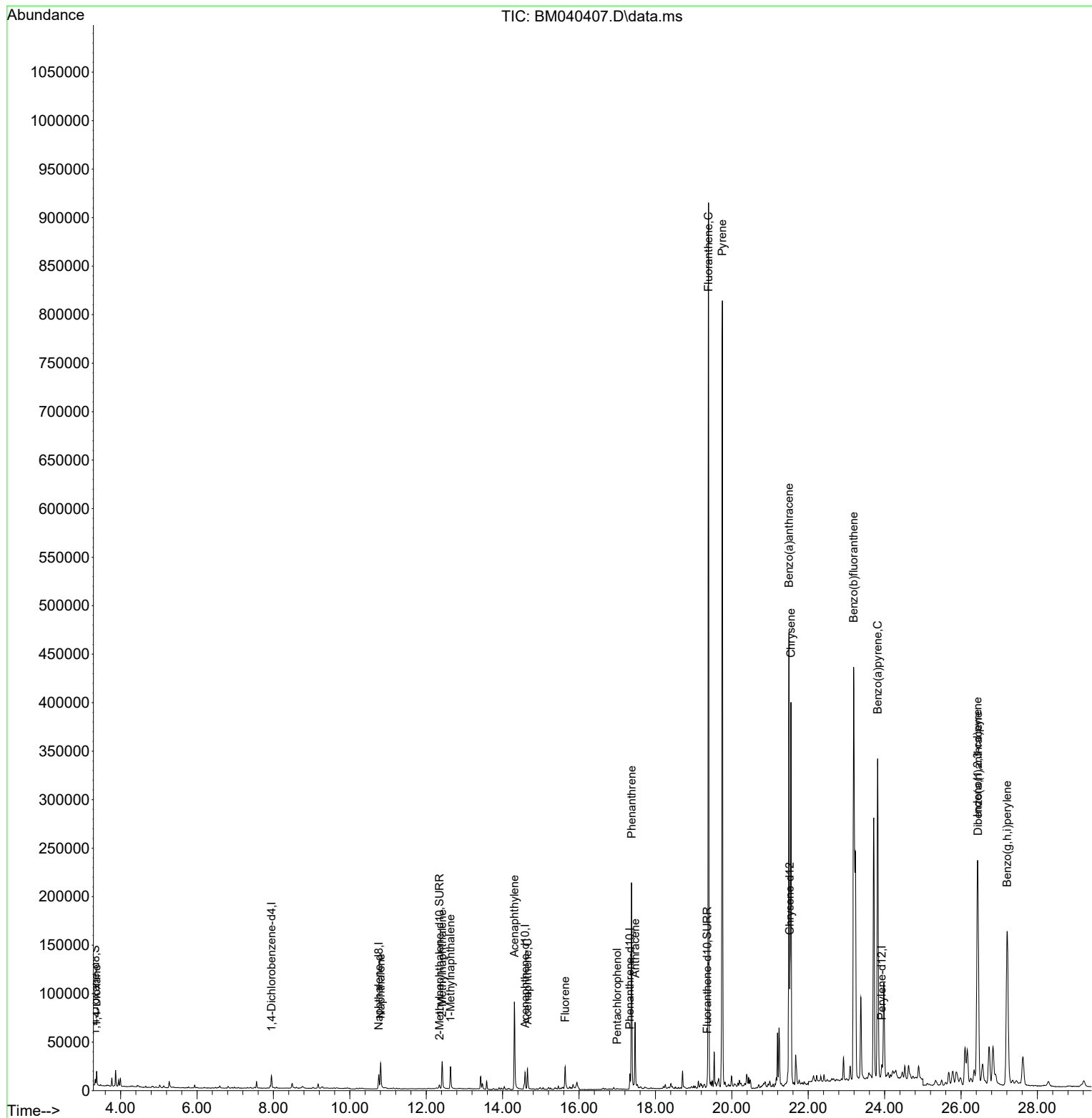
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.949	152	7311	0.400	ng/ul	0.00
4) Naphthalene-d8	10.756	136	23456	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.586	164	10021	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.332	188	18707	0.400	ng/ul	0.00
17) Chrysene-d12	21.512	240	14340	0.400	ng/ul	0.00
23) Perylene-d12	23.926	264	21137	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.338	96	3550	0.309	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.345	152	6008	0.183	ng/ul	0.00
18) Fluoranthene-d10	19.356	212	9829	0.214	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.371	88	8743	0.748	ng/ul#	89
5) Naphthalene	10.806	128	41622	0.643	ng/ul	100
7) 2-Methylnaphthalene	12.417	142	23089	0.608	ng/ul	98
8) 1-Methylnaphthalene	12.637	142	17338	0.457	ng/ul	100
10) Acenaphthylene	14.309	152	119339	2.666	ng/ul	99
11) Acenaphthene	14.651	153	12868	0.340	ng/ul	99
12) Fluorene	15.637	166	15915	0.394	ng/ul	99
14) Pentachlorophenol	16.995	266	729	0.202	ng/ul	92
15) Phenanthrene	17.375	178	239068	4.114	ng/ul	99
16) Anthracene	17.467	178	82708	1.694	ng/ul	99
19) Fluoranthene	19.389	202	743878	12.212	ng/ul	95
20) Pyrene	19.751	202	661477	10.129	ng/ul	96
21) Benzo(a)anthracene	21.494	228	393046	8.103	ng/ul	98
22) Chrysene	21.547	228	400970	7.247	ng/ul	98
24) Benzo(b)fluoranthene	23.190	252	730039	8.925	ng/ul	88
26) Benzo(a)pyrene	23.818	252	486345	6.600	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	26.431	276	403336	3.930	ng/ul#	88
28) Dibenzo(a,h)anthracene	26.444	278	106702	1.328	ng/ul	97
29) Benzo(g,h,i)perylene	27.205	276	374021	4.158	ng/ul	95

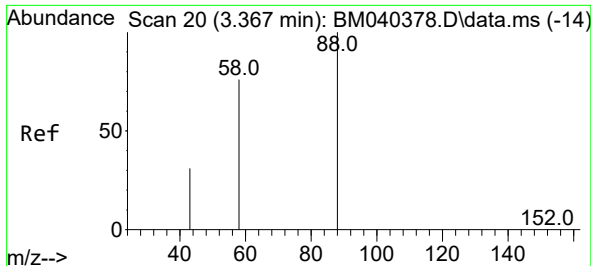
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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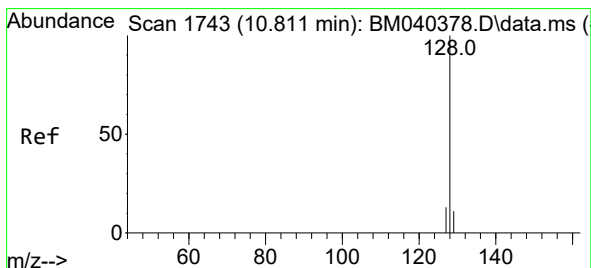
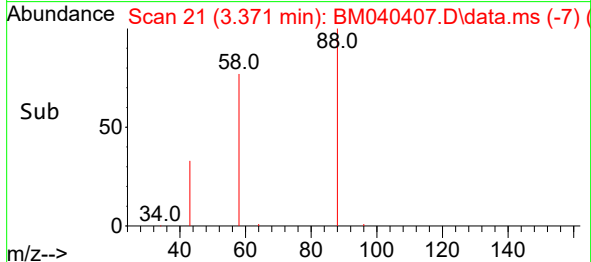
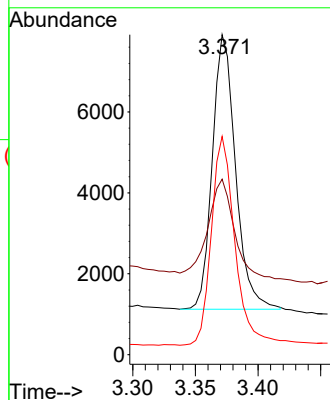
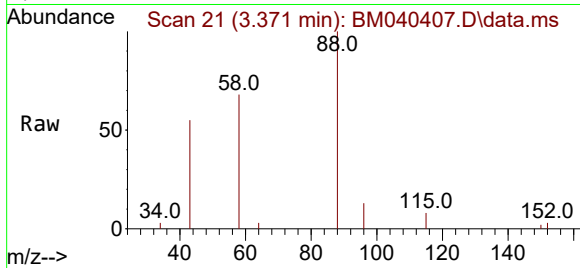




#2
1,4-Dioxane
Concen: 0.748 ng/ul
RT: 3.371 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM040407.D
Acq: 26 Jun 2023 18:34

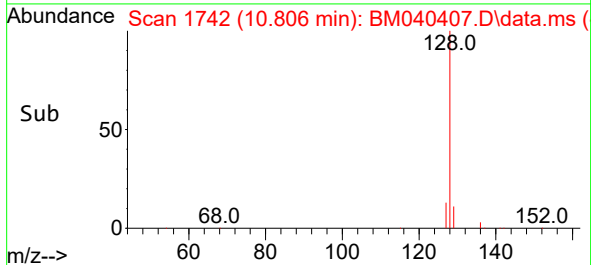
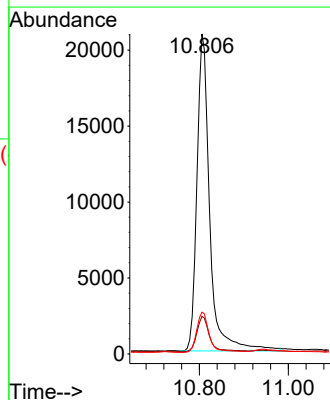
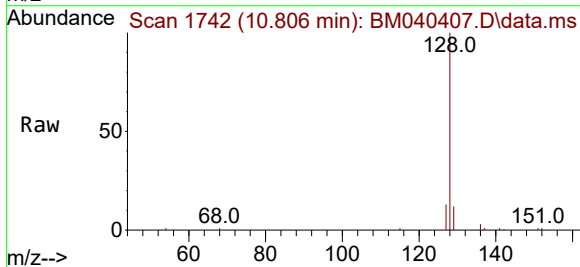
Instrument :
BNA_M
ClientSampleId :
DCFQ7MSD

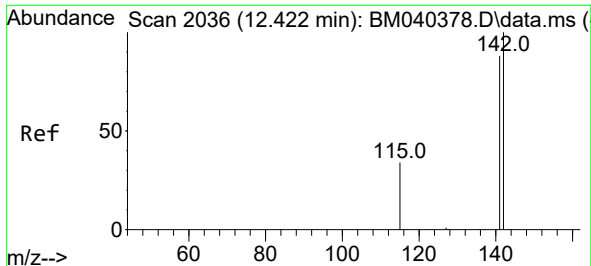
Tgt Ion: 88 Resp: 8743
Ion Ratio Lower Upper
88 100
43 54.9 36.1 54.1#
58 68.2 49.8 74.8



#5
Naphthalene
Concen: 0.643 ng/ul
RT: 10.806 min Scan# 1742
Delta R.T. -0.005 min
Lab File: BM040407.D
Acq: 26 Jun 2023 18:34

Tgt Ion: 128 Resp: 41622
Ion Ratio Lower Upper
128 100
129 11.8 9.2 13.8
127 13.1 10.6 15.8

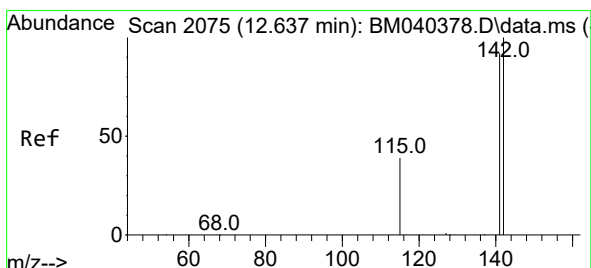
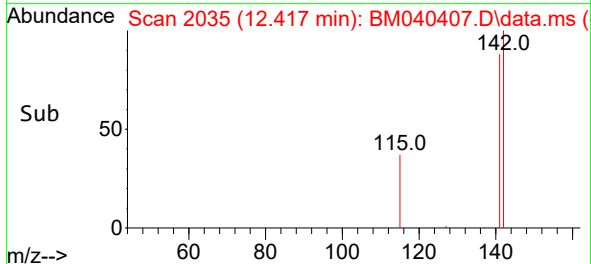
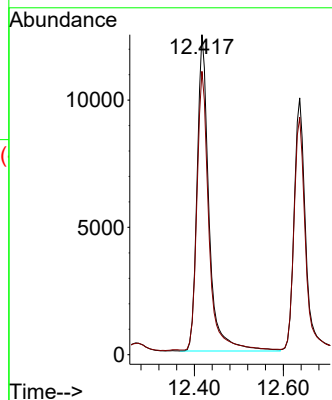
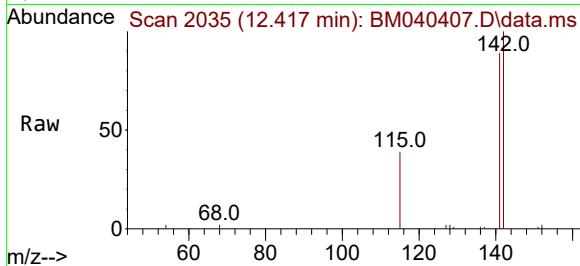




#7
2-Methylnaphthalene
Concen: 0.608 ng/ul
RT: 12.417 min Scan# 2035
Delta R.T. -0.005 min
Lab File: BM040407.D
Acq: 26 Jun 2023 18:34

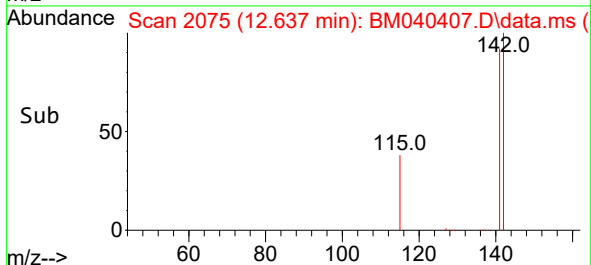
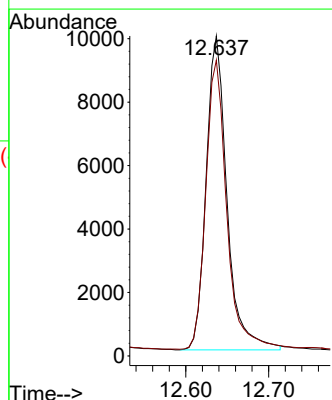
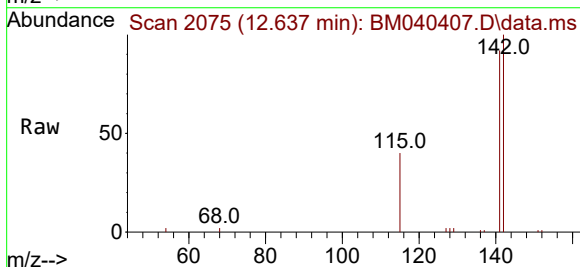
Instrument :
BNA_M
ClientSampleId :
DCFQ7MSD

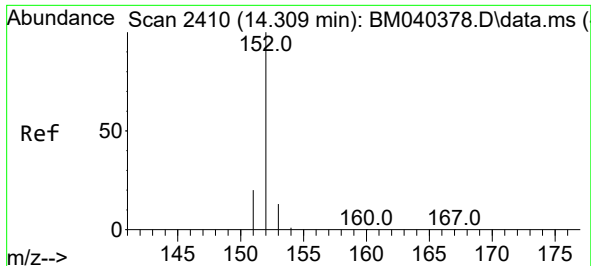
Tgt Ion:142 Resp: 23089
Ion Ratio Lower Upper
142 100
141 88.3 71.9 107.9



#8
1-Methylnaphthalene
Concen: 0.457 ng/ul
RT: 12.637 min Scan# 2075
Delta R.T. -0.005 min
Lab File: BM040407.D
Acq: 26 Jun 2023 18:34

Tgt Ion:142 Resp: 17338
Ion Ratio Lower Upper
142 100
141 92.4 73.7 110.5

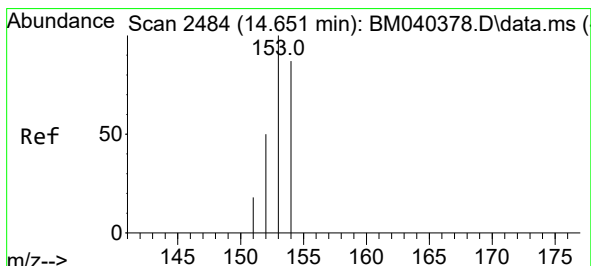
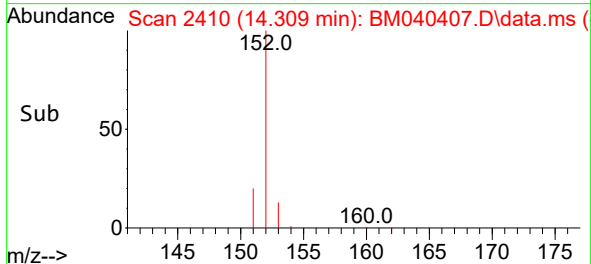
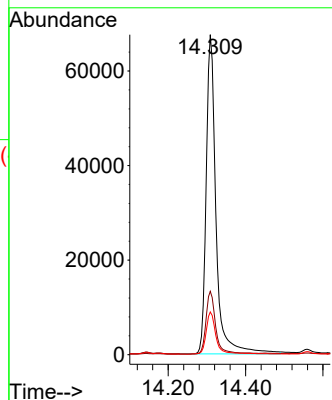
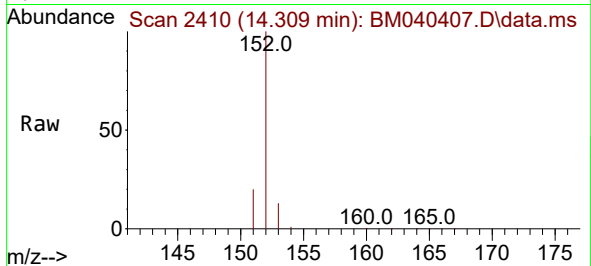




#10
Acenaphthylene
Concen: 2.666 ng/ul
RT: 14.309 min Scan# 2410
Delta R.T. -0.005 min
Lab File: BM040407.D
Acq: 26 Jun 2023 18:34

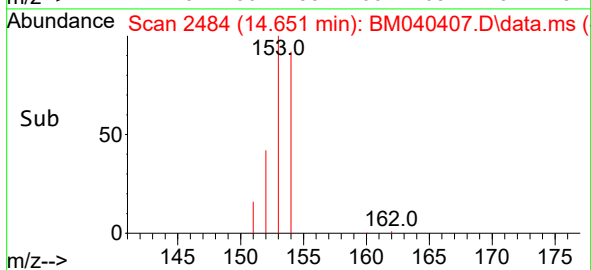
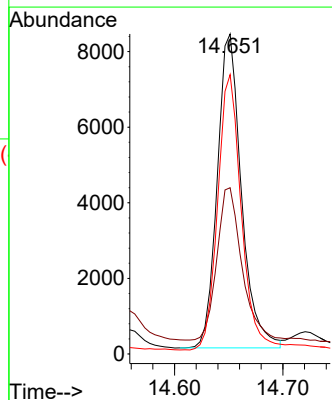
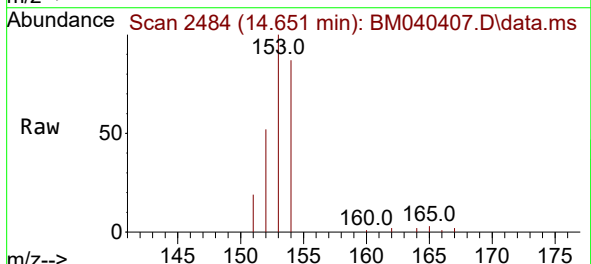
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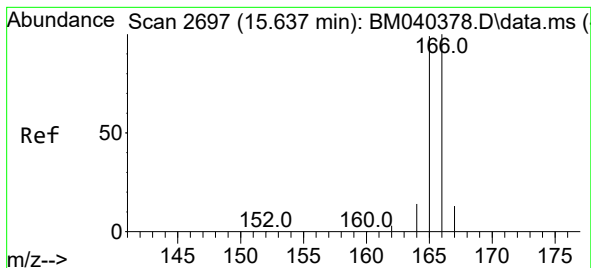
Tgt Ion:152 Resp: 119339
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 13.3 10.9 16.3



#11
Acenaphthene
Concen: 0.340 ng/ul
RT: 14.651 min Scan# 2484
Delta R.T. -0.005 min
Lab File: BM040407.D
Acq: 26 Jun 2023 18:34

Tgt Ion:153 Resp: 12868
Ion Ratio Lower Upper
153 100
152 51.9 41.0 61.4
154 87.3 70.8 106.2





#12

Fluorene

Concen: 0.394 ng/ul

RT: 15.637 min Scan# 2

Delta R.T. -0.005 min

Lab File: BM040407.D

Acq: 26 Jun 2023 18:34

Instrument :

BNA_M

ClientSampleId :

DCFQ7MSD

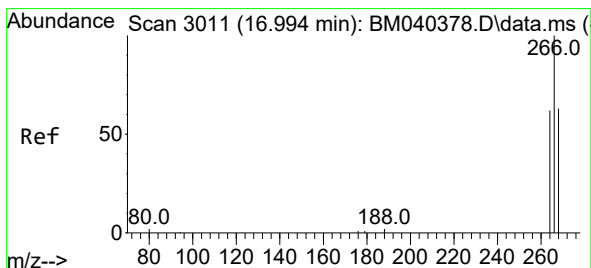
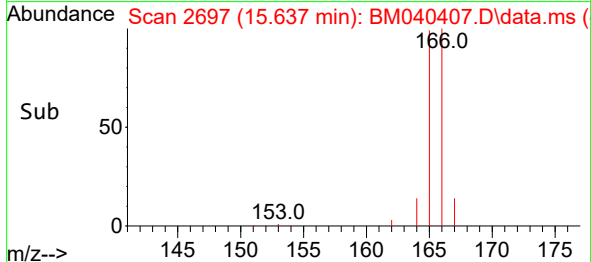
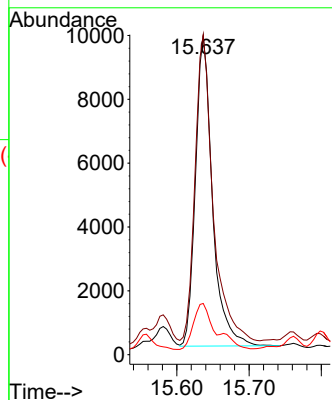
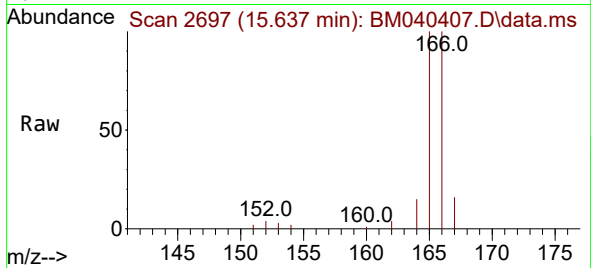
Tgt Ion:166 Resp: 15915

Ion Ratio Lower Upper

166 100

165 100.5 79.6 119.4

167 16.1 11.4 17.0



#14

Pentachlorophenol

Concen: 0.202 ng/ul

RT: 16.995 min Scan# 3011

Delta R.T. -0.017 min

Lab File: BM040407.D

Acq: 26 Jun 2023 18:34

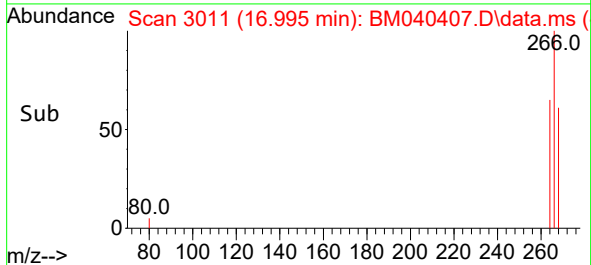
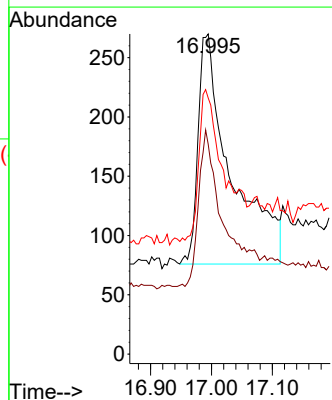
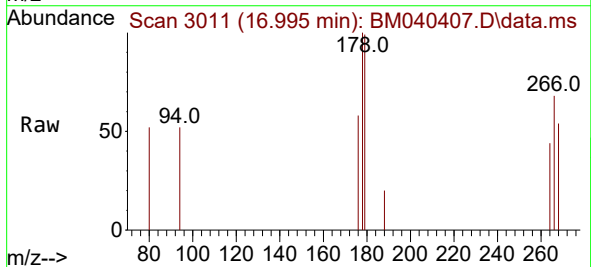
Tgt Ion:266 Resp: 729

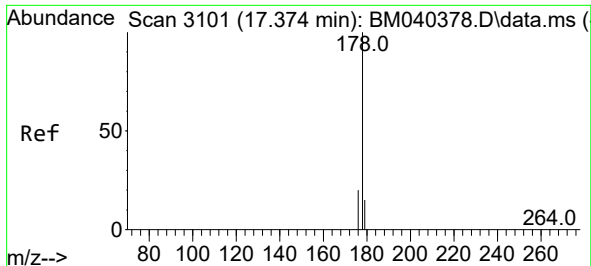
Ion Ratio Lower Upper

266 100

264 60.9 45.4 68.0

268 51.3 47.2 70.8

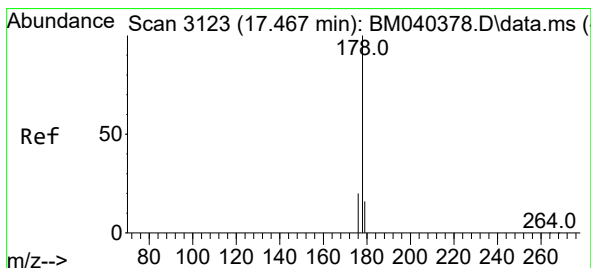
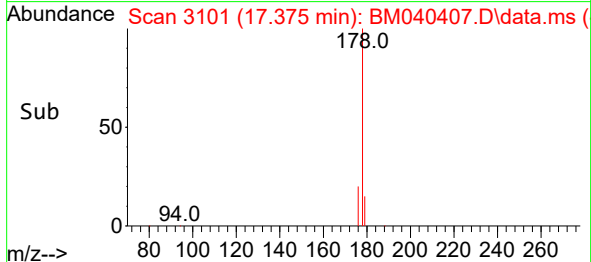
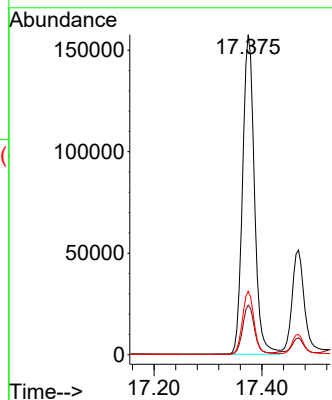
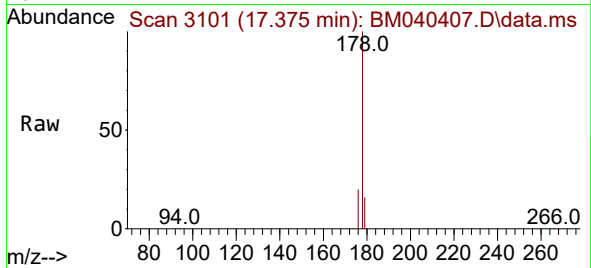




#15
Phenanthrene
Concen: 4.114 ng/ul
RT: 17.375 min Scan# 3101
Delta R.T. -0.004 min
Lab File: BM040407.D
Acq: 26 Jun 2023 18:34

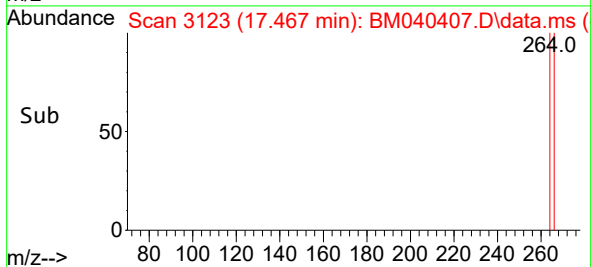
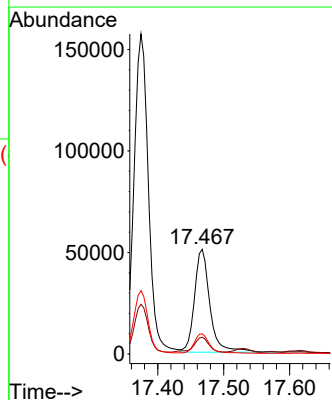
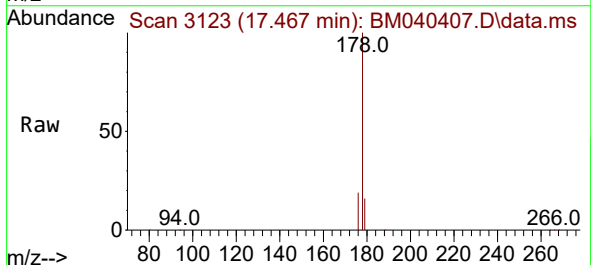
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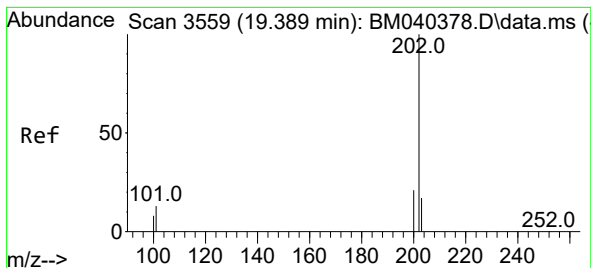
Tgt Ion:178 Resp: 239068
Ion Ratio Lower Upper
178 100
179 15.5 12.8 19.2
176 19.8 16.4 24.6



#16
Anthracene
Concen: 1.694 ng/ul
RT: 17.467 min Scan# 3123
Delta R.T. -0.004 min
Lab File: BM040407.D
Acq: 26 Jun 2023 18:34

Tgt Ion:178 Resp: 82708
Ion Ratio Lower Upper
178 100
179 16.1 12.9 19.3
176 19.3 15.8 23.6





#19

Fluoranthene

Concen: 12.212 ng/ul

RT: 19.389 min Scan# 3559

Delta R.T. 0.000 min

Lab File: BM040407.D

Acq: 26 Jun 2023 18:34

Instrument :

BNA_M

ClientSampleId :

DCFQ7MSD

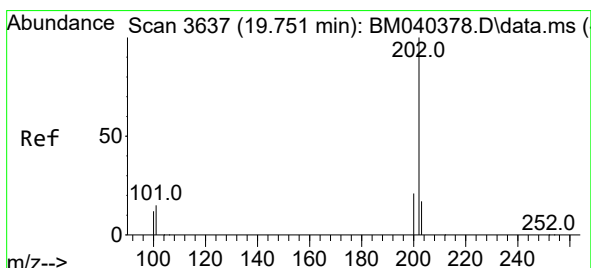
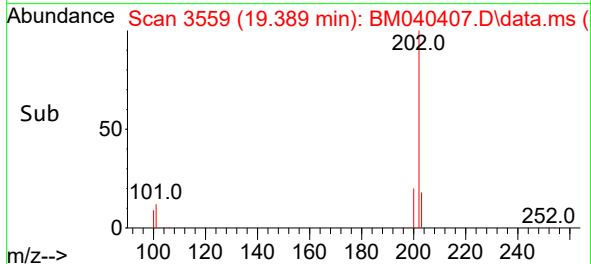
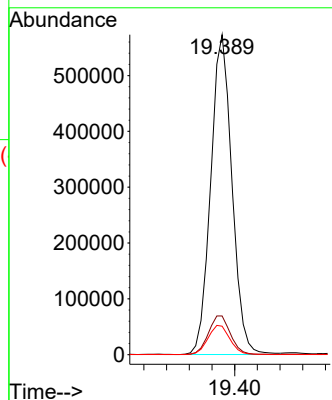
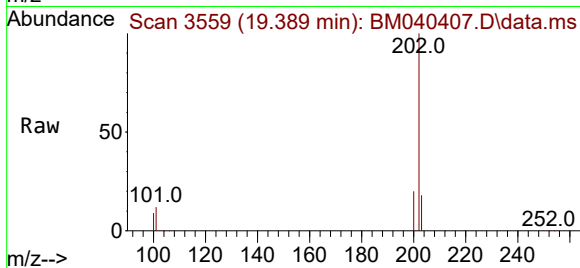
Tgt Ion:202 Resp: 743878

Ion Ratio Lower Upper

202 100

101 12.1 11.4 17.0

100 8.9 8.7 13.1



#20

Pyrene

Concen: 10.129 ng/ul

RT: 19.751 min Scan# 3637

Delta R.T. -0.005 min

Lab File: BM040407.D

Acq: 26 Jun 2023 18:34

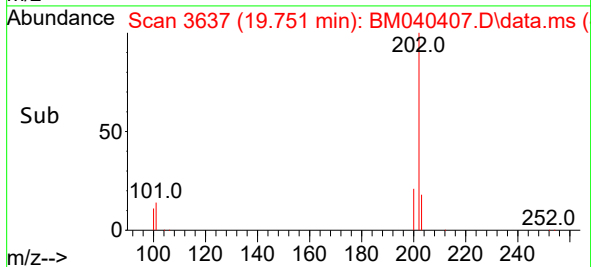
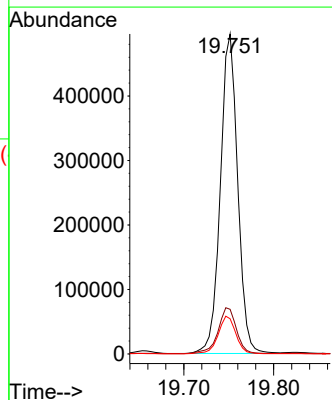
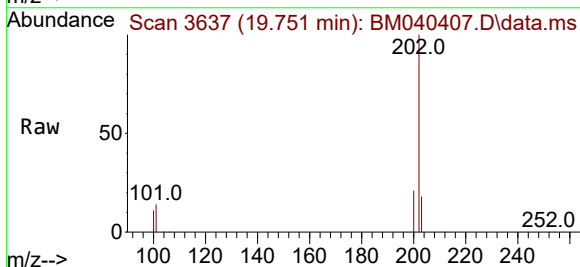
Tgt Ion:202 Resp: 661477

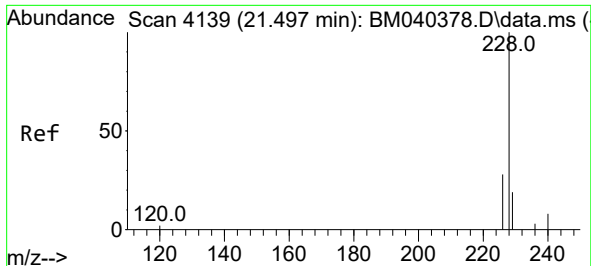
Ion Ratio Lower Upper

202 100

101 13.9 12.6 18.8

100 11.0 9.8 14.6

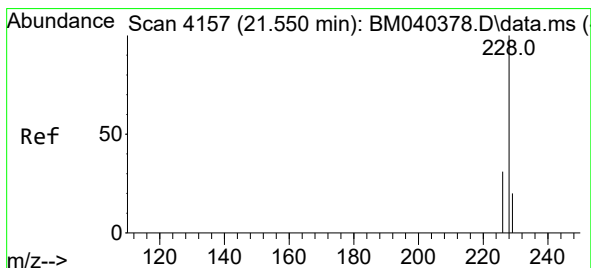
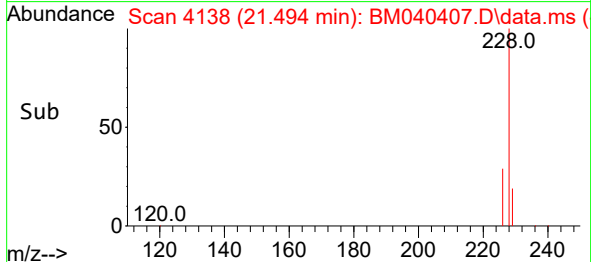
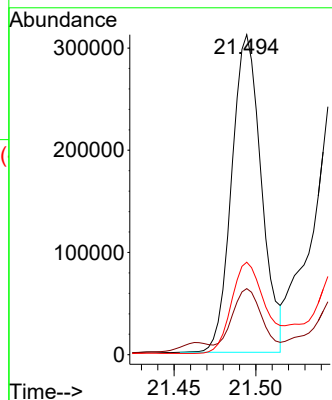
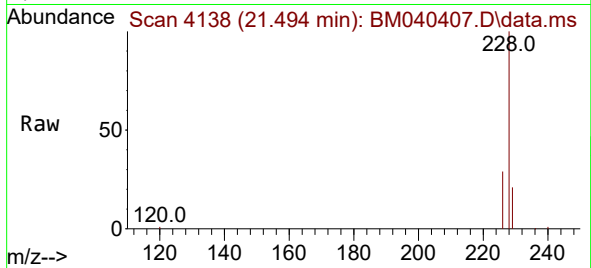




#21
Benzo(a)anthracene
Concen: 8.103 ng/ul
RT: 21.494 min Scan# 4139
Delta R.T. -0.006 min
Lab File: BM040407.D
Acq: 26 Jun 2023 18:34

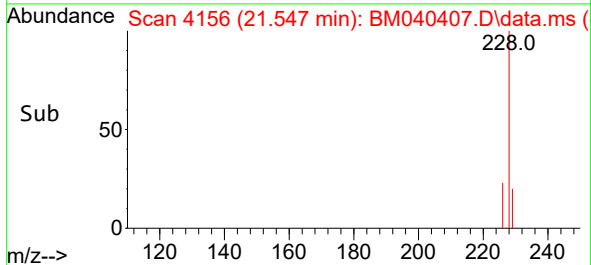
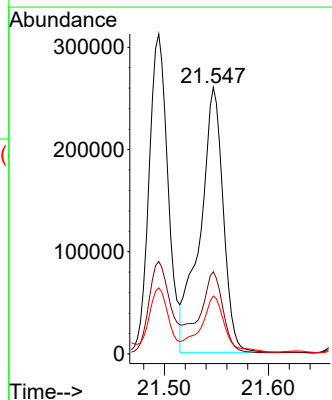
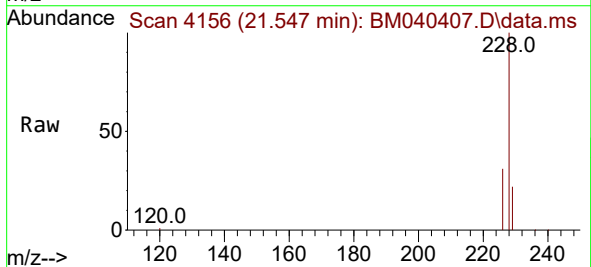
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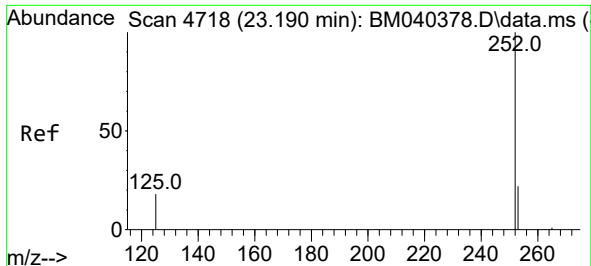
Tgt Ion:228 Resp: 393046
Ion Ratio Lower Upper
228 100
229 20.7 16.0 24.0
226 28.9 22.3 33.5



#22
Chrysene
Concen: 7.247 ng/ul
RT: 21.547 min Scan# 4156
Delta R.T. -0.006 min
Lab File: BM040407.D
Acq: 26 Jun 2023 18:34

Tgt Ion:228 Resp: 400970
Ion Ratio Lower Upper
228 100
226 30.9 24.9 37.3
229 21.7 15.8 23.6

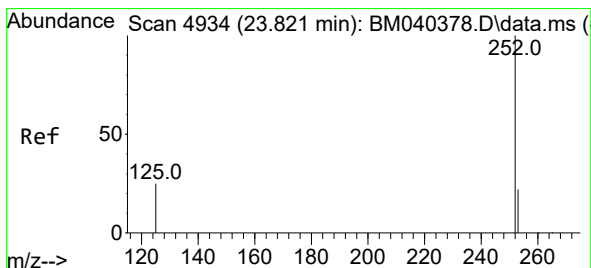
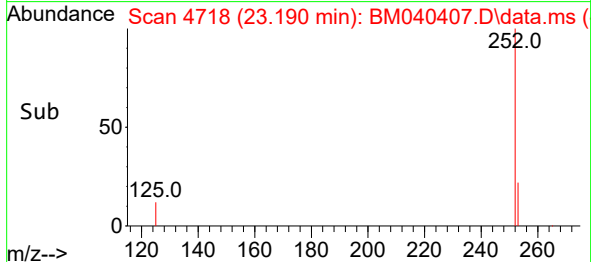
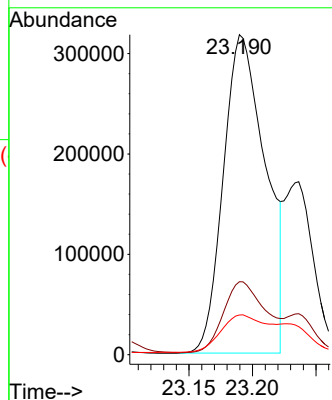
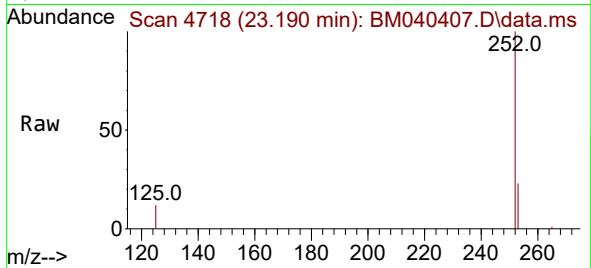




#24
Benzo(b)fluoranthene
Concen: 8.925 ng/ul
RT: 23.190 min Scan# 4718
Delta R.T. -0.003 min
Lab File: BM040407.D
Acq: 26 Jun 2023 18:34

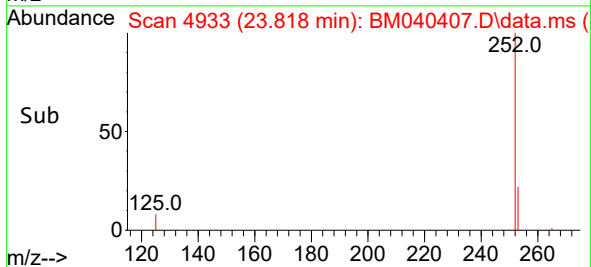
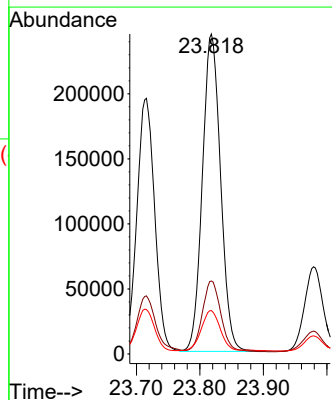
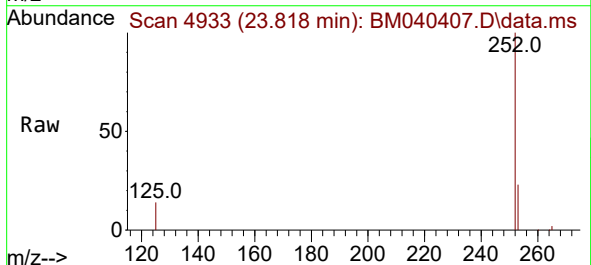
Instrument :
BNA_M
ClientSampleId :
DCFQ7MSD

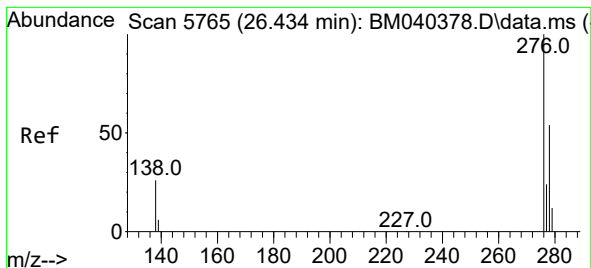
Tgt Ion:252 Resp: 730039
Ion Ratio Lower Upper
252 100
253 22.8 0.0 52.8
125 12.4 0.0 43.0



#26
Benzo(a)pyrene
Concen: 6.600 ng/ul
RT: 23.818 min Scan# 4933
Delta R.T. -0.006 min
Lab File: BM040407.D
Acq: 26 Jun 2023 18:34

Tgt Ion:252 Resp: 486345
Ion Ratio Lower Upper
252 100
253 22.8 22.9 34.3#
125 13.6 21.0 31.4#





#27

Indeno(1,2,3-cd)pyrene

Concen: 3.930 ng/ul

RT: 26.431 min Scan# 5

Delta R.T. -0.003 min

Lab File: BM040407.D

Acq: 26 Jun 2023 18:34

Instrument :

BNA_M

ClientSampleId :

DCFQ7MSD

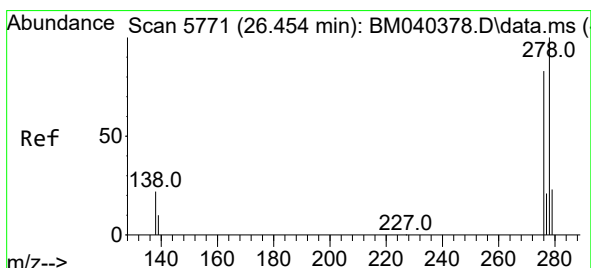
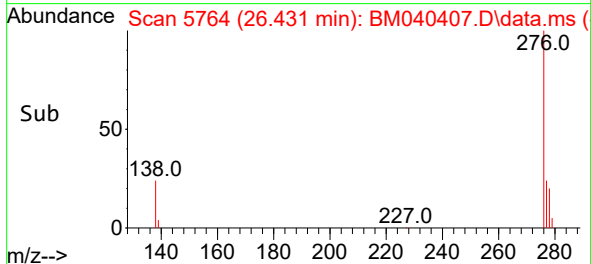
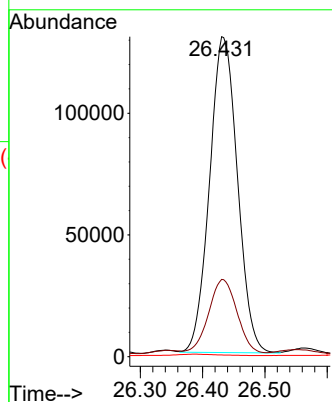
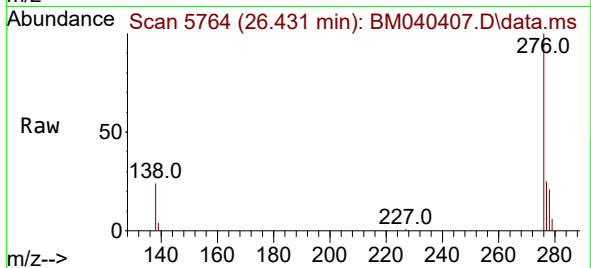
Tgt Ion:276 Resp: 403336

Ion Ratio Lower Upper

276 100

138 23.9 24.5 36.7#

227 0.0 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 1.328 ng/ul

RT: 26.444 min Scan# 5768

Delta R.T. -0.010 min

Lab File: BM040407.D

Acq: 26 Jun 2023 18:34

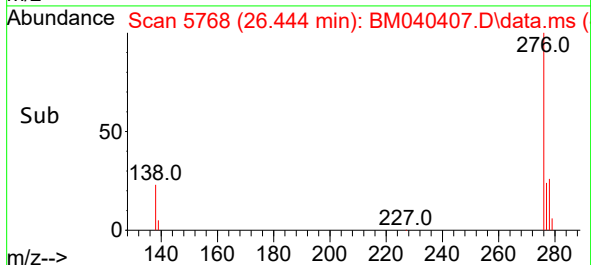
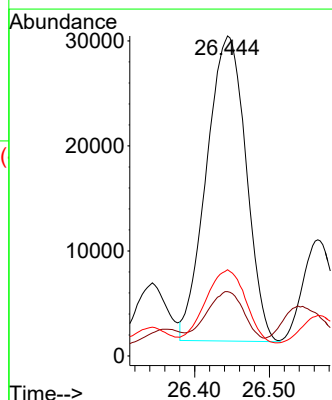
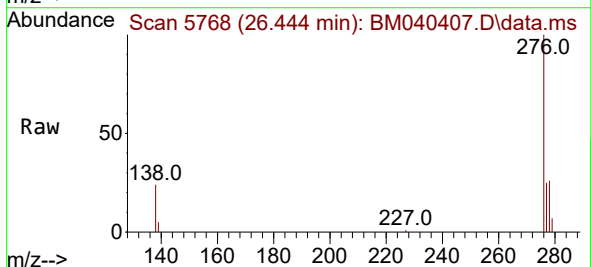
Tgt Ion:278 Resp: 106702

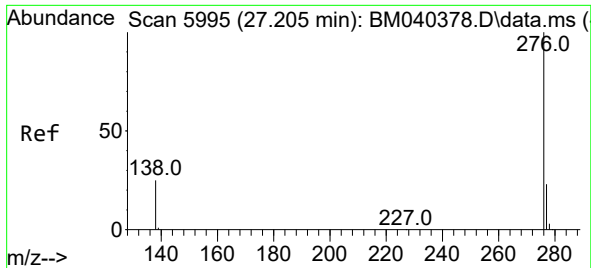
Ion Ratio Lower Upper

278 100

139 20.1 17.9 26.9

279 27.0 22.0 33.0





#29
Benzo(g,h,i)perylene
Concen: 4.158 ng/ul
RT: 27.205 min Scan# 5995
Delta R.T. 0.000 min
Lab File: BM040407.D
Acq: 26 Jun 2023 18:34

Instrument :
BNA_M
ClientSampleId :
DCFQ7MSD

Tgt Ion:276 Resp: 374021
Ion Ratio Lower Upper
276 100
138 25.0 23.0 34.6
277 24.2 20.3 30.5

