

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061523\
 Data File : BM040272.D
 Acq On : 15 Jun 2023 22:59
 Operator : MA/JU
 Sample : 03088-12DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFR8DL

Quant Time: Jun 15 23:44:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 00:31:16 2023
 Response via : Initial Calibration

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

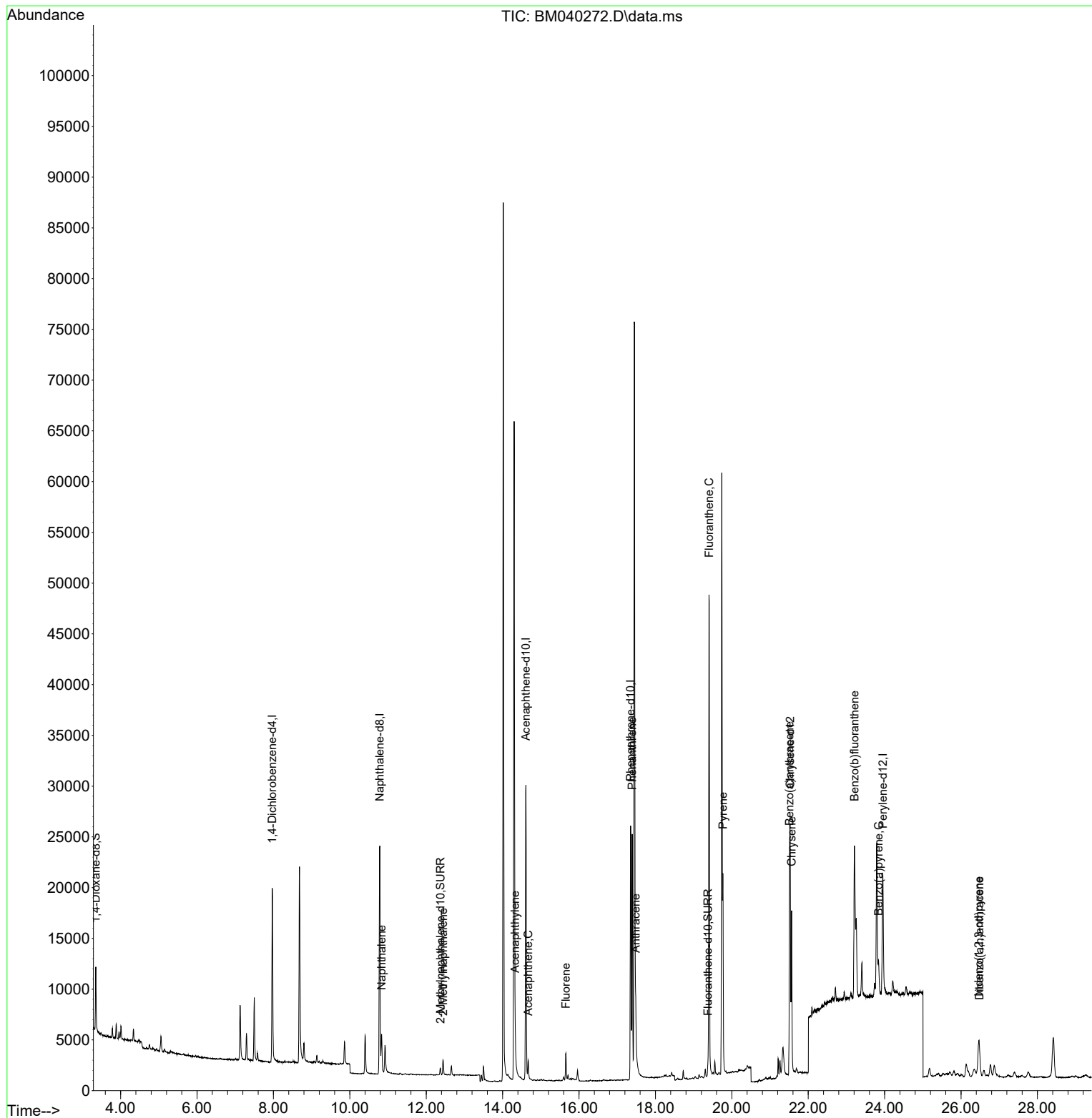
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.970	152	9093	0.400	ng/ul	0.00
4) Naphthalene-d8	10.784	136	32716	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.610	164	16215	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.349	188	29479	0.400	ng/ul	0.00
17) Chrysene-d12	21.527	240	17687	0.400	ng/ul	0.00
23) Perylene-d12	23.953	264	17380	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.350	96	3956	0.352	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.373	152	1106	0.027	ng/ul	0.00
18) Fluoranthene-d10	19.375	212	1605	0.036	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.833	128	5114	0.066	ng/ul#	93
7) 2-Methylnaphthalene	12.439	142	1185	0.025	ng/ul	100
10) Acenaphthylene	14.328	152	3403	0.060	ng/ul#	90
11) Acenaphthene	14.670	153	1028	0.021	ng/ul	95
12) Fluorene	15.655	166	1771	0.033	ng/ul#	92
15) Phenanthrene	17.392	178	25919	0.334	ng/ul	99
16) Anthracene	17.485	178	4789	0.073	ng/ul#	90
19) Fluoranthene	19.408	202	41513	0.689	ng/ul	99
20) Pyrene	19.766	202	15562	0.249	ng/ul	96
21) Benzo(a)anthracene	21.509	228	16344	0.313	ng/ul	97
22) Chrysene	21.565	228	16725	0.303	ng/ul	98
24) Benzo(b)fluoranthene	23.210	252	24512	0.383	ng/ul	88
26) Benzo(a)pyrene	23.839	252	3547	0.067	ng/ul#	10
27) Indeno(1,2,3-cd)pyrene	26.464	276	5349	0.080	ng/ul#	83
28) Dibenzo(a,h)anthracene	26.481	278	3132	0.059	ng/ul#	41

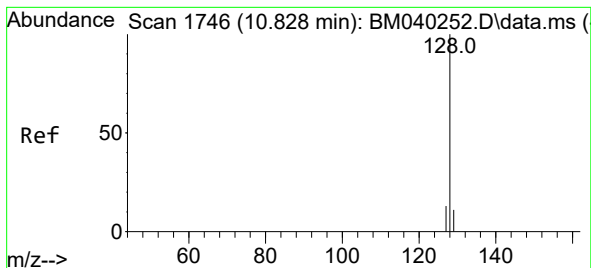
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.066 ng/ul

RT: 10.833 min Scan# 11

Delta R.T. 0.000 min

Lab File: BM040272.D

Acq: 15 Jun 2023 22:59

Instrument :

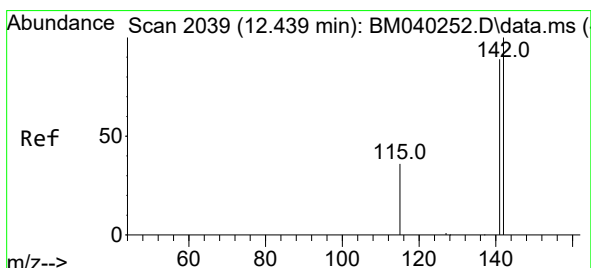
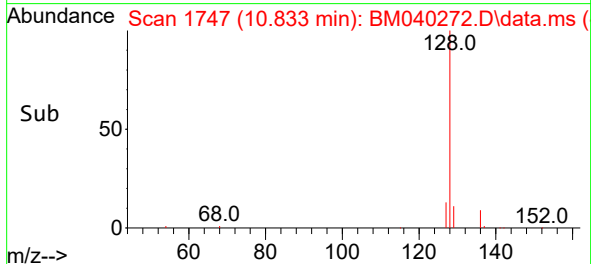
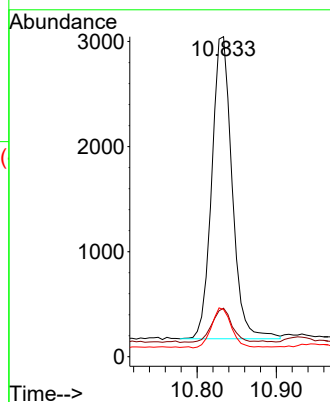
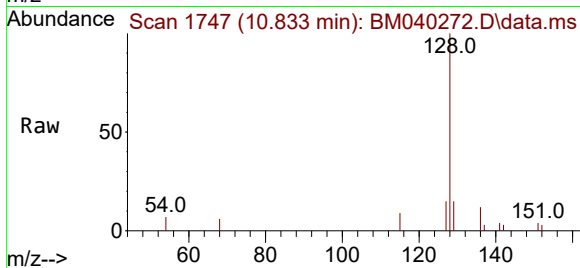
BNA_M

ClientSampleId :

DCFR8DL

Tgt Ion:128 Resp: 5114

Ion	Ratio	Lower	Upper
128	100		
129	15.2	9.1	13.7#
127	14.8	10.4	15.6



#7

2-Methylnaphthalene

Concen: 0.025 ng/ul

RT: 12.439 min Scan# 2039

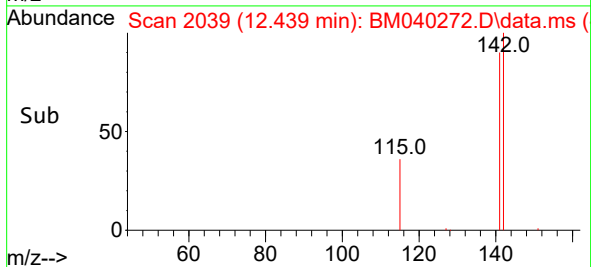
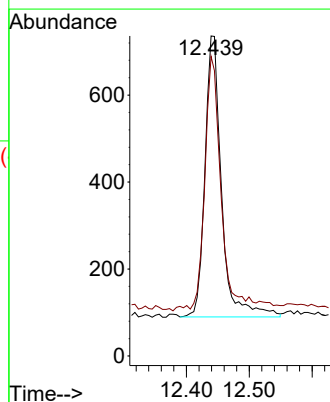
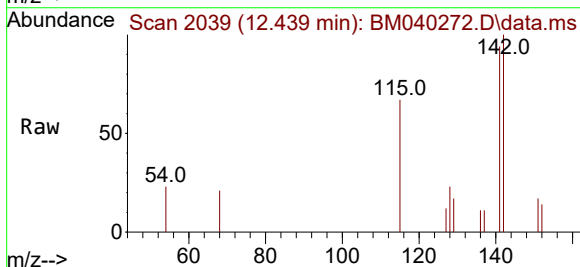
Delta R.T. -0.005 min

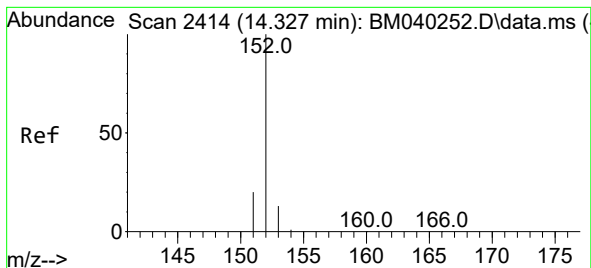
Lab File: BM040272.D

Acq: 15 Jun 2023 22:59

Tgt Ion:142 Resp: 1185

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.6	106.0





#10

Acenaphthylene

Concen: 0.060 ng/ul

RT: 14.328 min Scan# 2414

Delta R.T. -0.004 min

Lab File: BM040272.D

Acq: 15 Jun 2023 22:59

Instrument :

BNA_M

ClientSampleId :

DCFR8DL

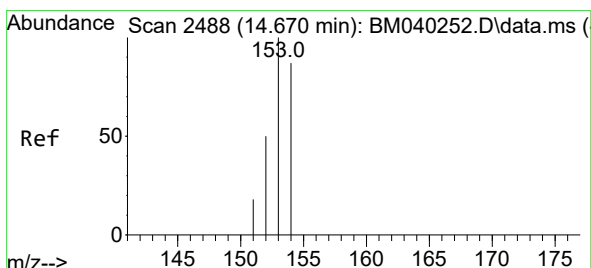
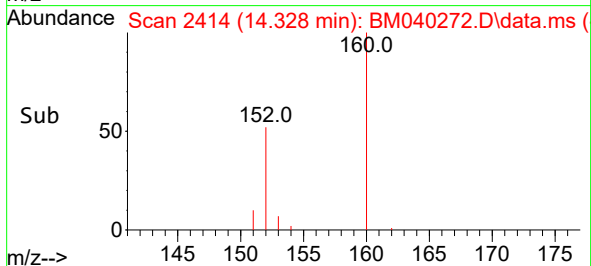
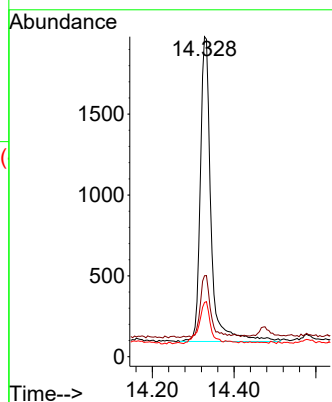
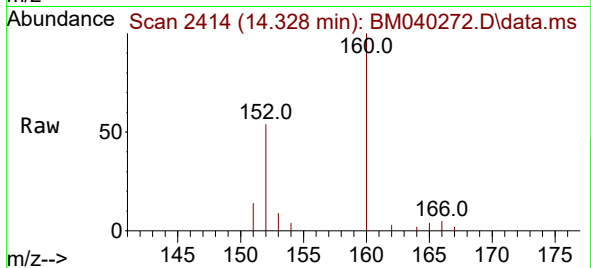
Tgt Ion:152 Resp: 3403

Ion Ratio Lower Upper

152 100

151 25.3 16.3 24.5#

153 17.0 10.7 16.1#



#11

Acenaphthene

Concen: 0.021 ng/ul

RT: 14.670 min Scan# 2488

Delta R.T. -0.004 min

Lab File: BM040272.D

Acq: 15 Jun 2023 22:59

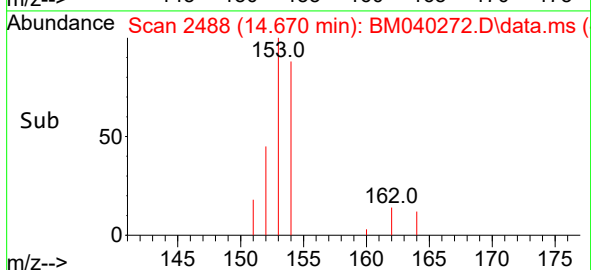
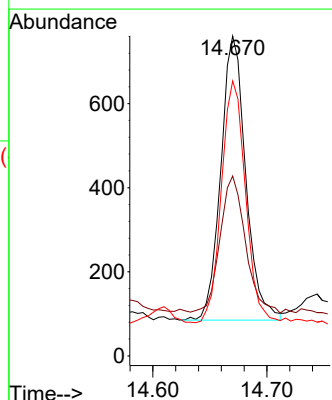
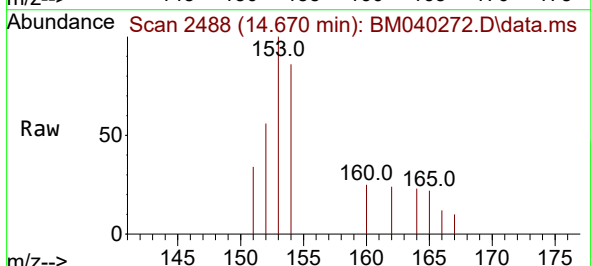
Tgt Ion:153 Resp: 1028

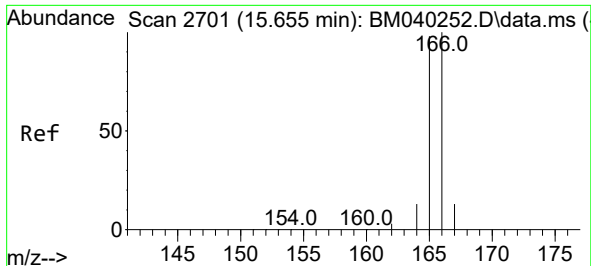
Ion Ratio Lower Upper

153 100

152 56.2 40.3 60.5

154 85.9 70.5 105.7

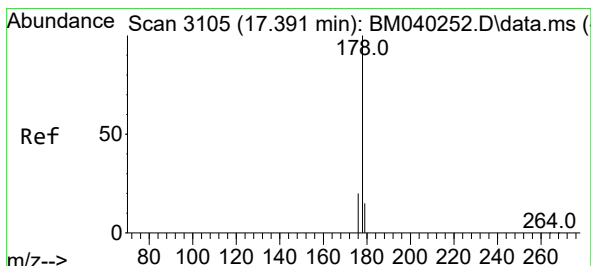
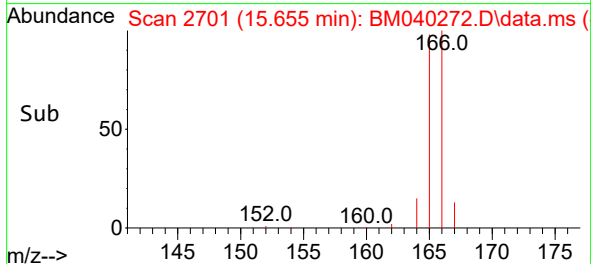
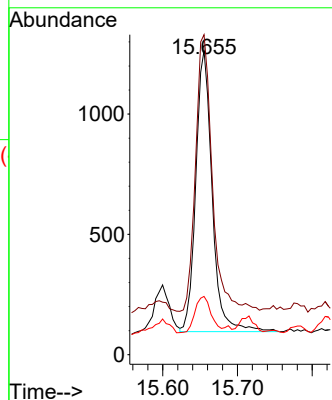
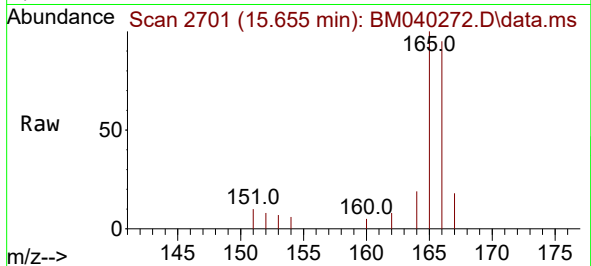




#12
Fluorene
Concen: 0.033 ng/ul
RT: 15.655 min Scan# 2701
Delta R.T. -0.004 min
Lab File: BM040272.D
Acq: 15 Jun 2023 22:59

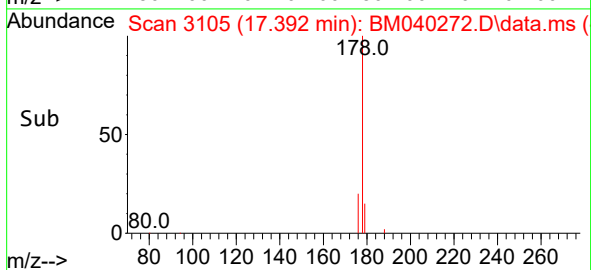
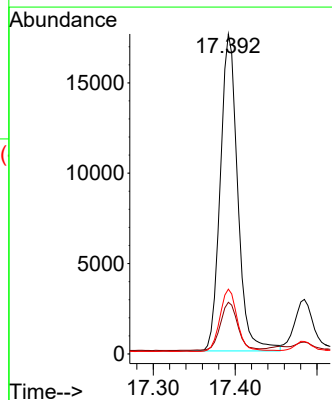
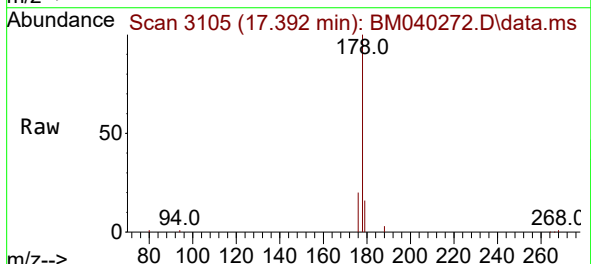
Instrument :
BNA_M
ClientSampleId :
DCFR8DL

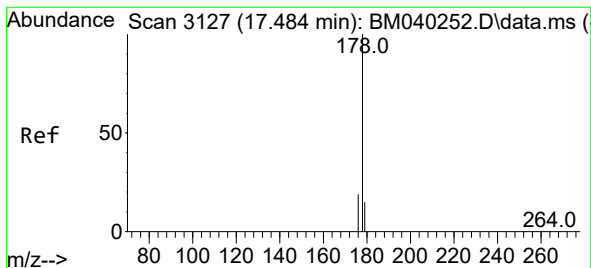
Tgt Ion:166 Resp: 1771
Ion Ratio Lower Upper
166 100
165 105.2 78.2 117.4
167 19.1 11.0 16.4#



#15
Phenanthrene
Concen: 0.334 ng/ul
RT: 17.392 min Scan# 3105
Delta R.T. -0.004 min
Lab File: BM040272.D
Acq: 15 Jun 2023 22:59

Tgt Ion:178 Resp: 25919
Ion Ratio Lower Upper
178 100
179 16.2 12.6 19.0
176 20.2 16.1 24.1





#16

Anthracene

Concen: 0.073 ng/ul

RT: 17.485 min Scan# 3127

Delta R.T. -0.004 min

Lab File: BM040272.D

Acq: 15 Jun 2023 22:59

Instrument :

BNA_M

ClientSampleId :

DCFR8DL

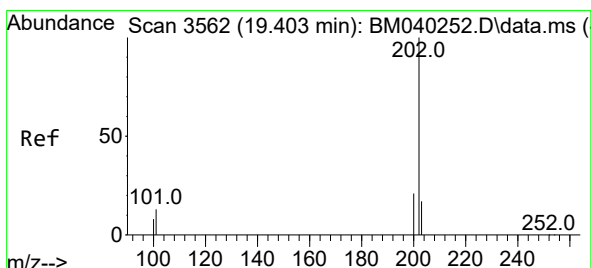
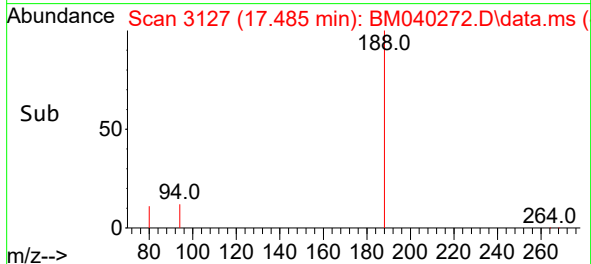
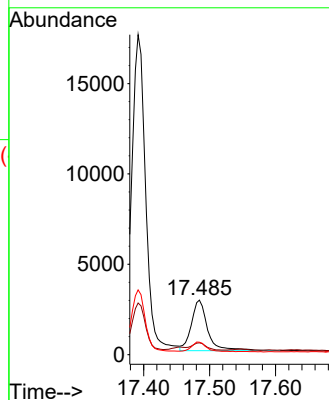
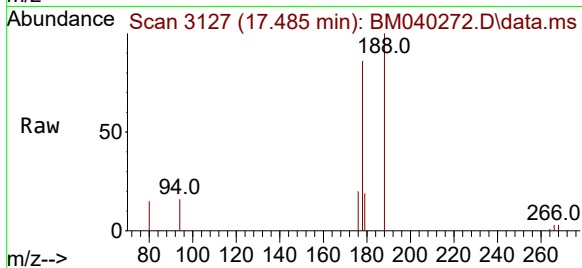
Tgt Ion:178 Resp: 4789

Ion Ratio Lower Upper

178 100

179 21.7 13.0 19.4#

176 23.0 15.5 23.3



#19

Fluoranthene

Concen: 0.689 ng/ul

RT: 19.408 min Scan# 3563

Delta R.T. 0.000 min

Lab File: BM040272.D

Acq: 15 Jun 2023 22:59

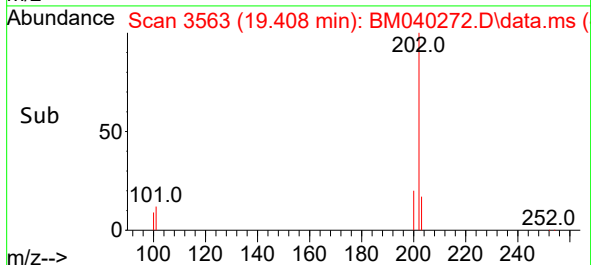
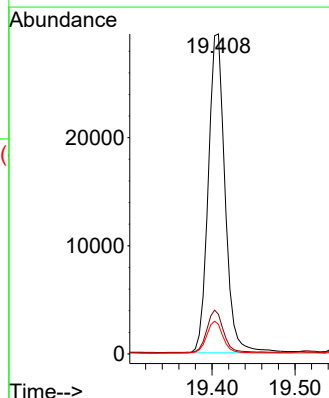
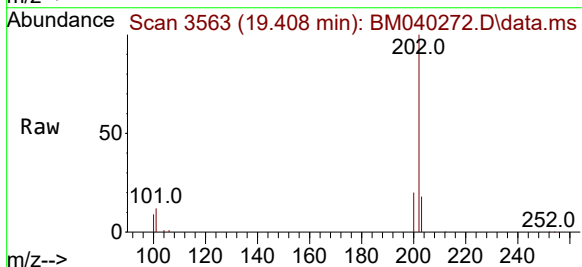
Tgt Ion:202 Resp: 41513

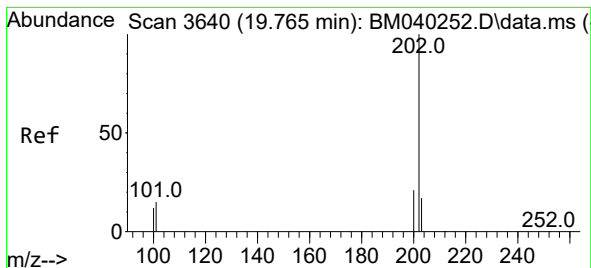
Ion Ratio Lower Upper

202 100

101 12.4 10.2 15.4

100 9.2 7.6 11.4





#20

Pyrene

Concen: 0.249 ng/ul

RT: 19.766 min Scan# 3

Delta R.T. -0.004 min

Lab File: BM040272.D

Acq: 15 Jun 2023 22:59

Instrument :

BNA_M

ClientSampleId :

DCFR8DL

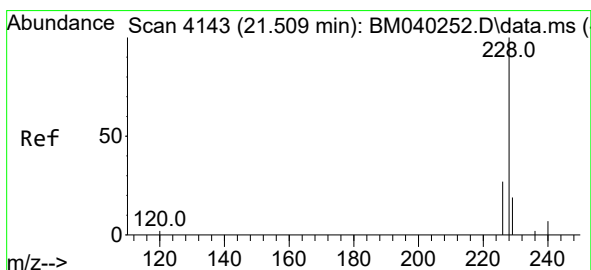
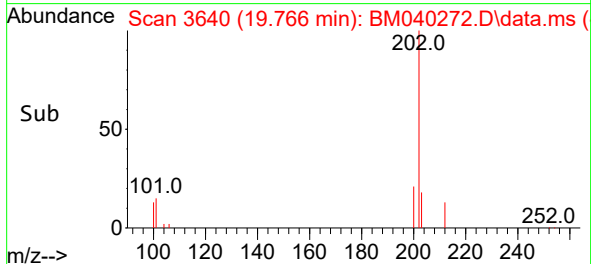
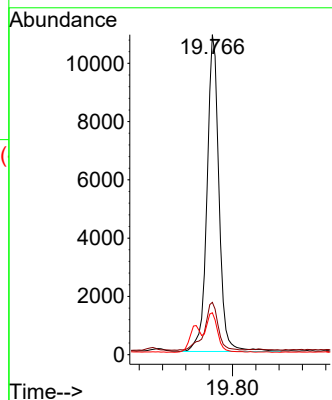
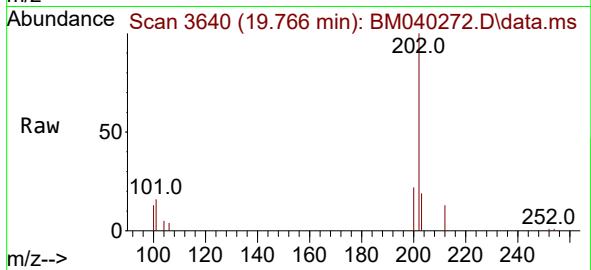
Tgt Ion:202 Resp: 15562

Ion Ratio Lower Upper

202 100

101 16.4 11.8 17.8

100 13.1 9.3 13.9



#21

Benzo(a)anthracene

Concen: 0.313 ng/ul

RT: 21.509 min Scan# 4143

Delta R.T. -0.006 min

Lab File: BM040272.D

Acq: 15 Jun 2023 22:59

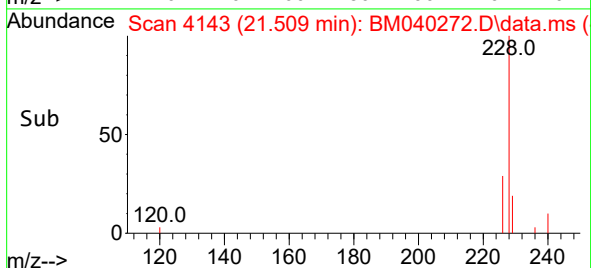
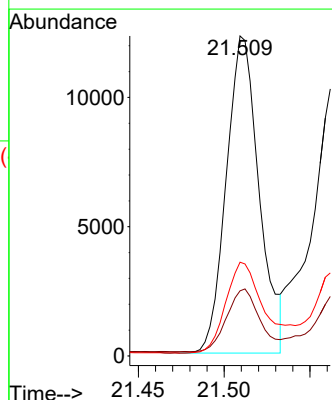
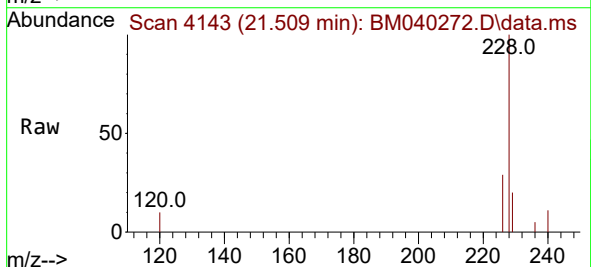
Tgt Ion:228 Resp: 16344

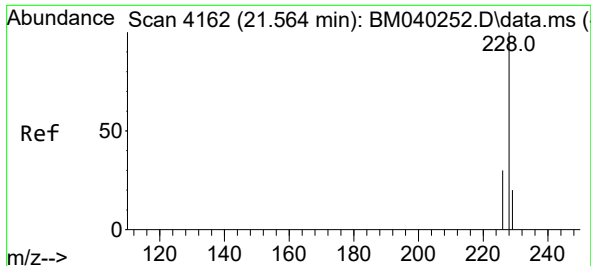
Ion Ratio Lower Upper

228 100

229 20.4 15.8 23.8

226 29.3 22.0 33.0

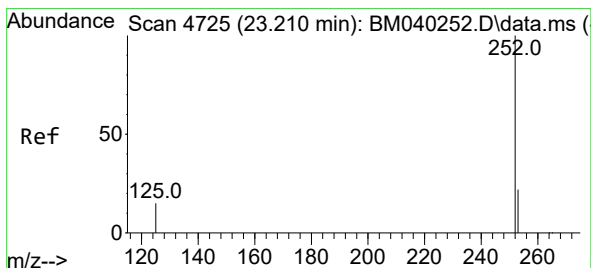
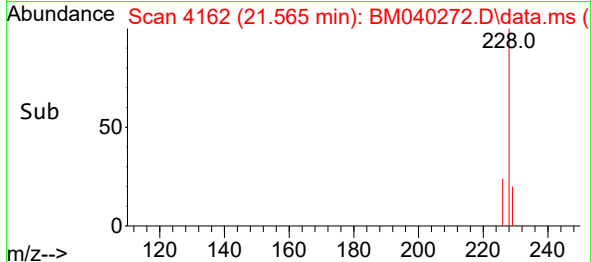
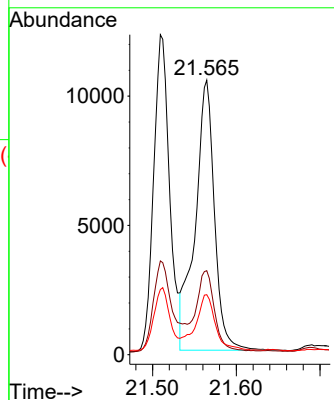
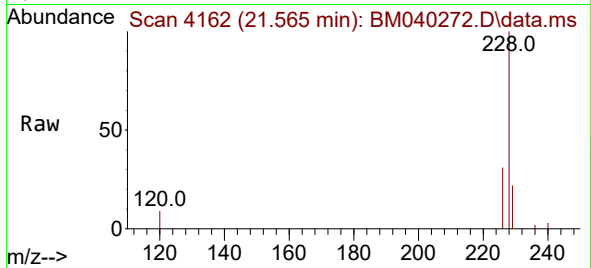




#22
Chrysene
Concen: 0.303 ng/ul
RT: 21.565 min Scan# 4162
Delta R.T. -0.006 min
Lab File: BM040272.D
Acq: 15 Jun 2023 22:59

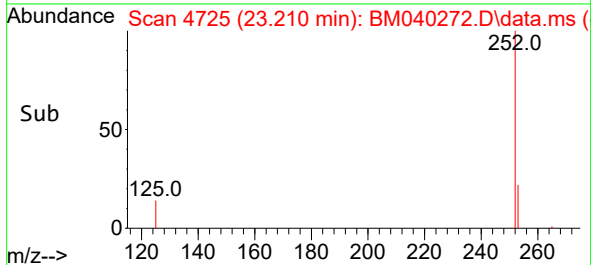
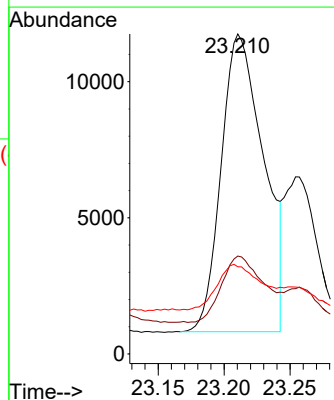
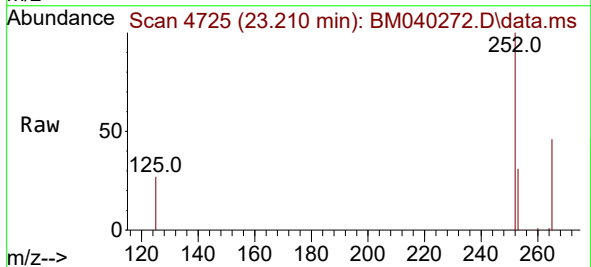
Instrument :
BNA_M
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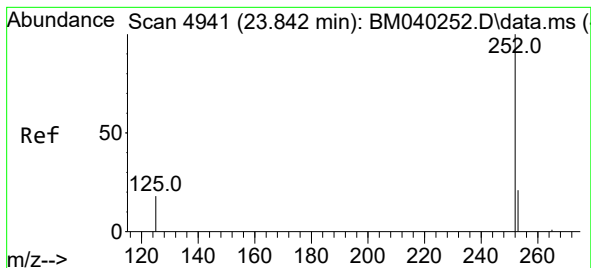
Tgt Ion:228 Resp: 16725
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 21.9 15.7 23.5



#24
Benzo(b)fluoranthene
Concen: 0.383 ng/ul
RT: 23.210 min Scan# 4725
Delta R.T. -0.006 min
Lab File: BM040272.D
Acq: 15 Jun 2023 22:59

Tgt Ion:252 Resp: 24512
Ion Ratio Lower Upper
252 100
253 30.6 0.0 52.4
125 27.2 0.0 38.4





#26

Benzo(a)pyrene

Concen: 0.067 ng/ul

RT: 23.839 min Scan# 4941

Delta R.T. -0.011 min

Lab File: BM040272.D

Acq: 15 Jun 2023 22:59

Instrument :

BNA_M

ClientSampleId :

DCFR8DL

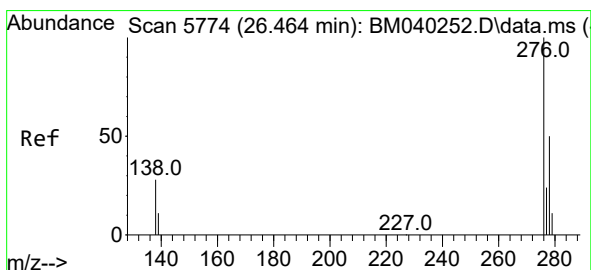
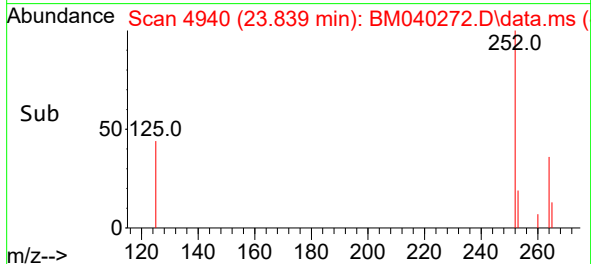
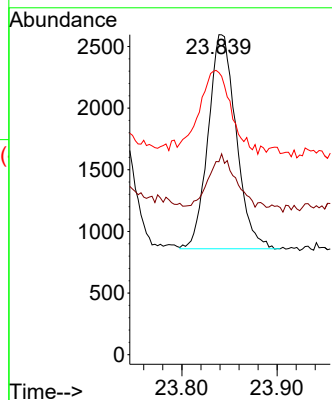
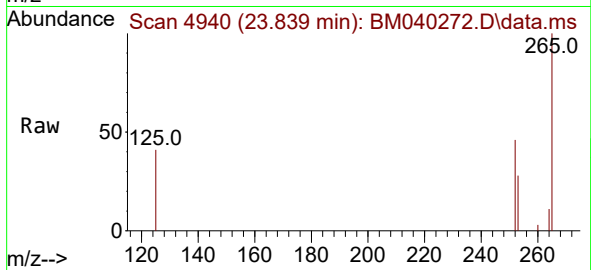
Tgt Ion:252 Resp: 3547

Ion Ratio Lower Upper

252 100

253 60.3 23.4 35.0#

125 88.2 19.7 29.5#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.080 ng/ul

RT: 26.464 min Scan# 5774

Delta R.T. -0.013 min

Lab File: BM040272.D

Acq: 15 Jun 2023 22:59

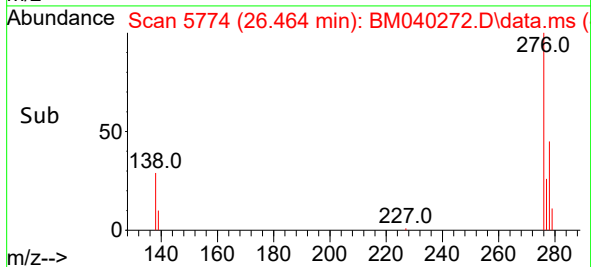
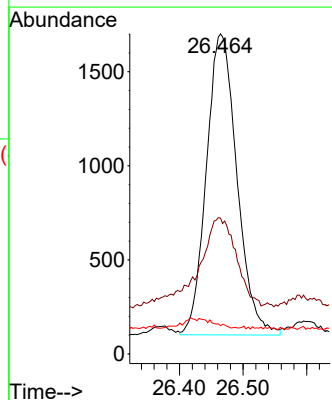
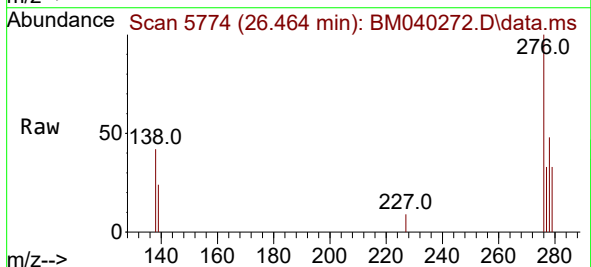
Tgt Ion:276 Resp: 5349

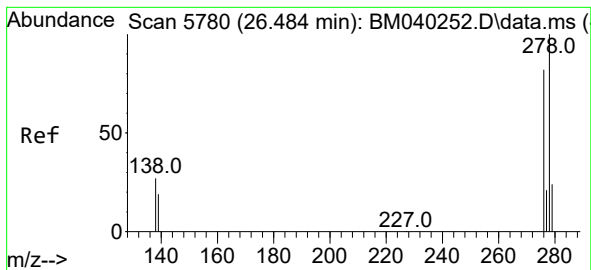
Ion Ratio Lower Upper

276 100

138 38.4 23.3 34.9#

227 0.0 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.059 ng/ul

RT: 26.481 min Scan# 5

Delta R.T. -0.016 min

Lab File: BM040272.D

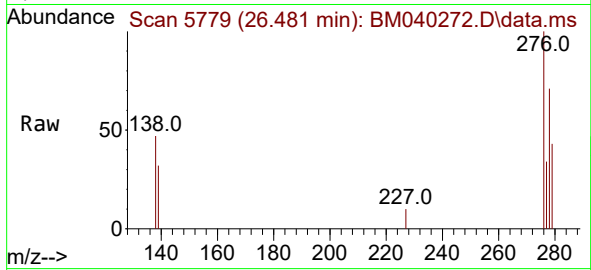
Acq: 15 Jun 2023 22:59

Instrument :

BNA_M

ClientSampleId :

DCFR8DL



Tgt Ion:278 Resp: 3132

Ion Ratio Lower Upper

278 100

139 44.7 16.4 24.6#

279 60.4 21.8 32.8#

