

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061523\
 Data File : BM040260.D
 Acq On : 15 Jun 2023 15:34
 Operator : MA/JU
 Sample : 03088-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFR4

Quant Time: Jun 15 23:42:38 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)

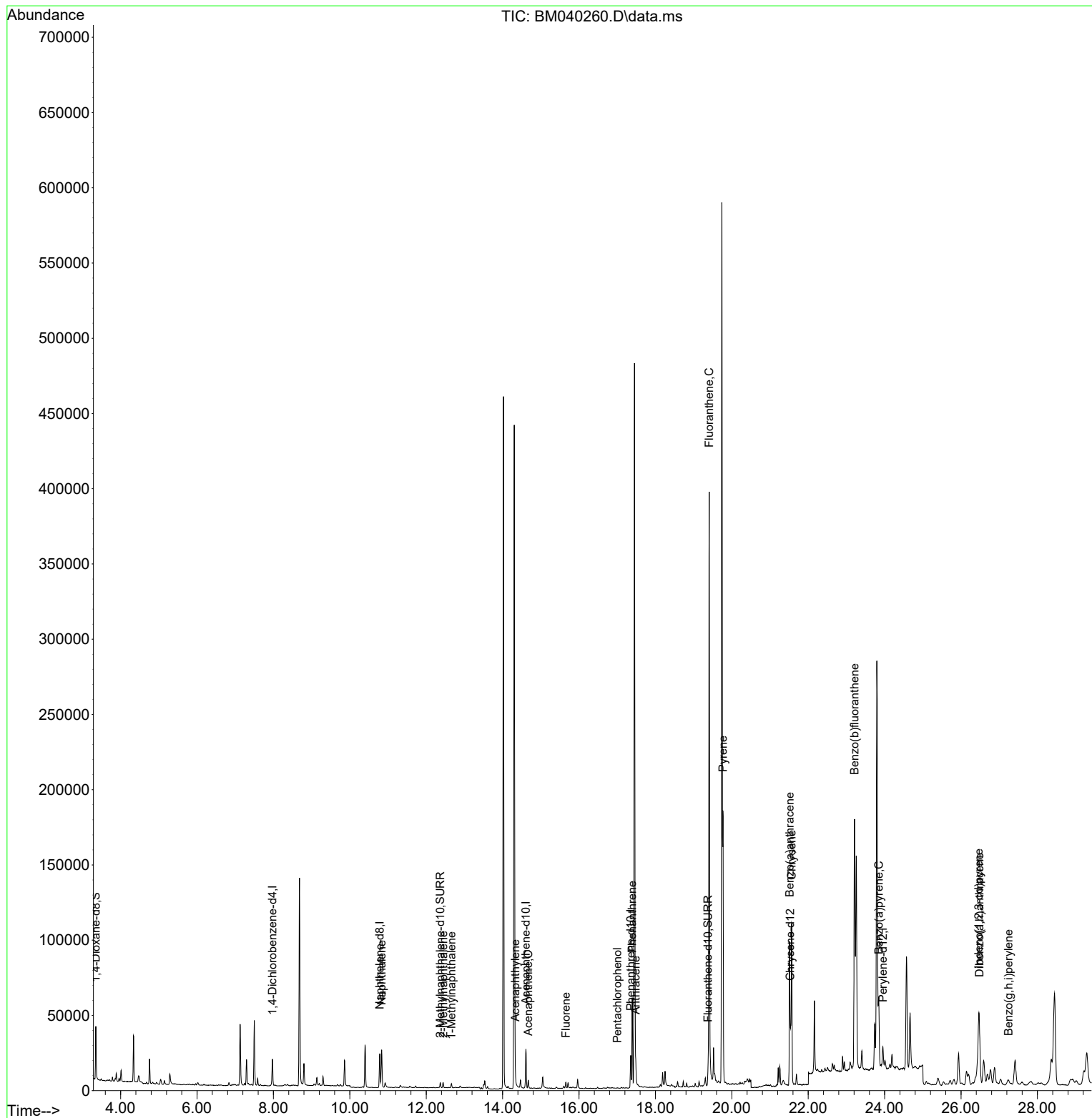
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.974	152	8846	0.400	ng/ul	0.00
4) Naphthalene-d8	10.783	136	29990	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.609	164	14051	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.353	188	24748	0.400	ng/ul	0.00
17) Chrysene-d12	21.529	240	18615	0.400	ng/ul	# 0.00
23) Perylene-d12	23.955	264	20033	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.350	96	20528	1.879	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.367	152	4245	0.112	ng/ul	0.00
18) Fluoranthene-d10	19.375	212	6835	0.147	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.833	128	33250	0.468	ng/ul	100
7) 2-Methylnaphthalene	12.444	142	2472	0.056	ng/ul	98
8) 1-Methylnaphthalene	12.659	142	1886	0.041	ng/ul	100
10) Acenaphthylene	14.332	152	7006	0.143	ng/ul	93
11) Acenaphthene	14.669	153	2967	0.070	ng/ul	97
12) Fluorene	15.655	166	2460	0.052	ng/ul#	92
14) Pentachlorophenol	17.003	266	137	0.027	ng/ul	92
15) Phenanthrene	17.391	178	61640	0.947	ng/ul	100
16) Anthracene	17.484	178	11279	0.205	ng/ul	96
19) Fluoranthene	19.407	202	225968	3.564	ng/ul#	27
20) Pyrene	19.770	202	144668	2.196	ng/ul	99
21) Benzo(a)anthracene	21.512	228	79364	1.444	ng/ul	98
22) Chrysene	21.567	228	114536	1.973	ng/ul	98
24) Benzo(b)fluoranthene	23.213	252	205282	2.780	ng/ul#	69
26) Benzo(a)pyrene	23.847	252	59016	0.974	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	26.467	276	78685	1.026	ng/ul#	84
28) Dibenzo(a,h)anthracene	26.481	278	23619	0.384	ng/ul#	80
29) Benzo(g,h,i)perylene	27.245	276	5862	0.091	ng/ul#	13

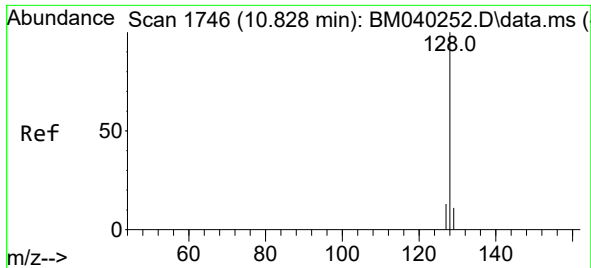
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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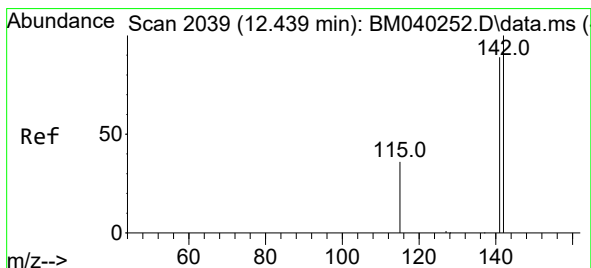
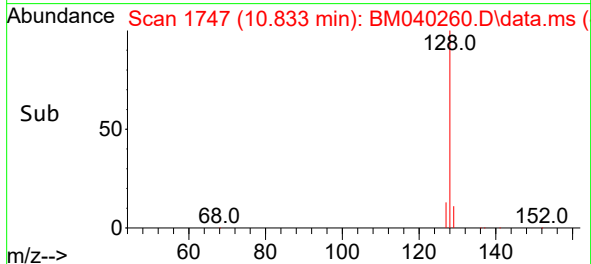
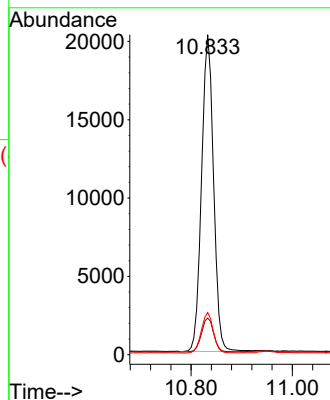
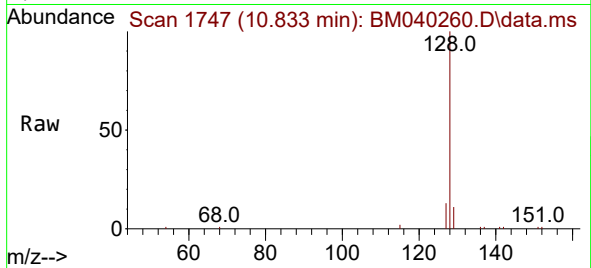




#5
Naphthalene
Concen: 0.468 ng/ul
RT: 10.833 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM040260.D
Acq: 15 Jun 2023 15:34

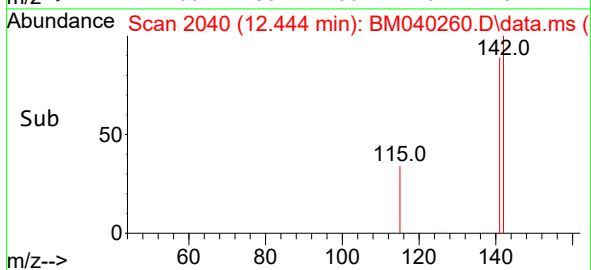
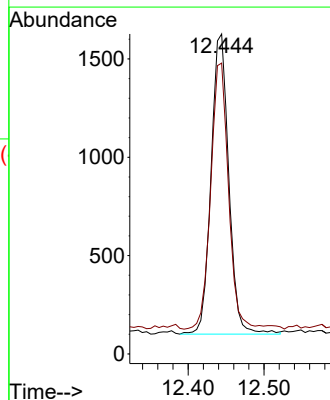
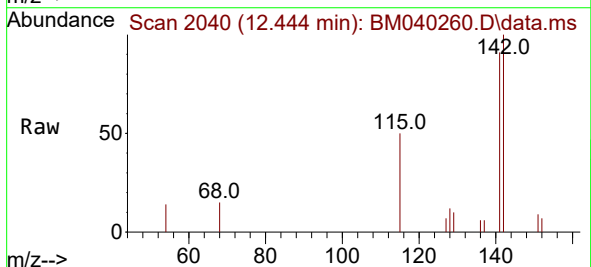
Instrument :
BNA_M
ClientSampleId :
DCFR4

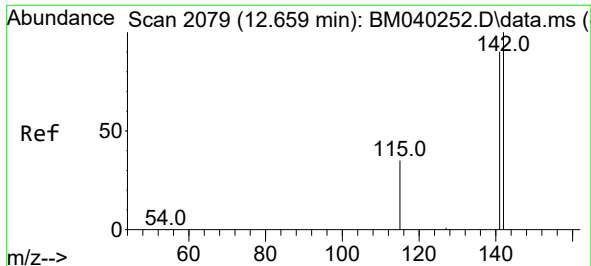
Tgt Ion:128 Resp: 33250
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 13.2 10.4 15.6



#7
2-Methylnaphthalene
Concen: 0.056 ng/ul
RT: 12.444 min Scan# 2040
Delta R.T. -0.000 min
Lab File: BM040260.D
Acq: 15 Jun 2023 15:34

Tgt Ion:142 Resp: 2472
Ion Ratio Lower Upper
142 100
141 89.8 70.6 106.0

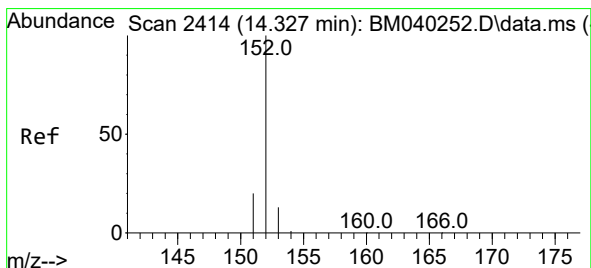
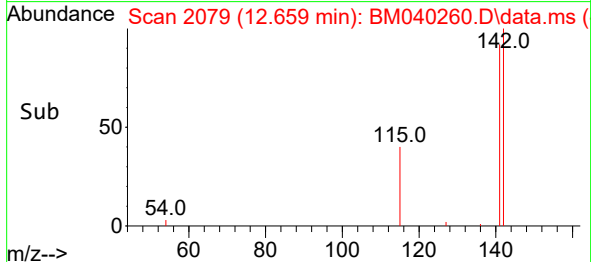
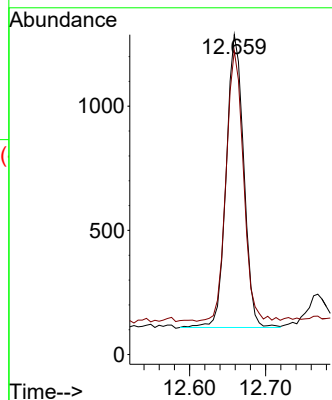
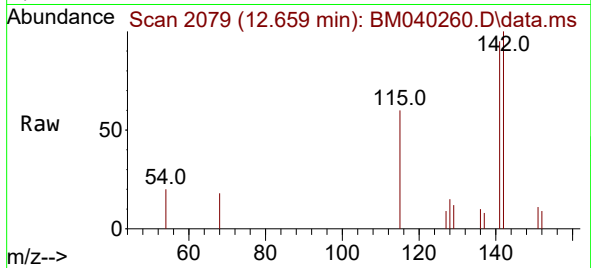




#8
1-Methylnaphthalene
Concen: 0.041 ng/ul
RT: 12.659 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BM040260.D
Acq: 15 Jun 2023 15:34

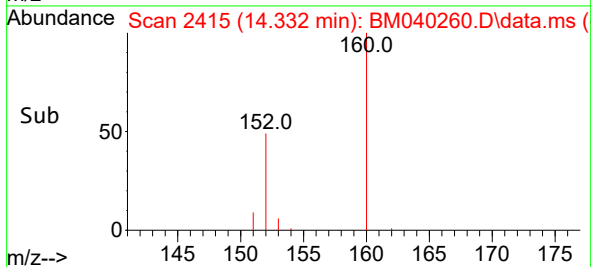
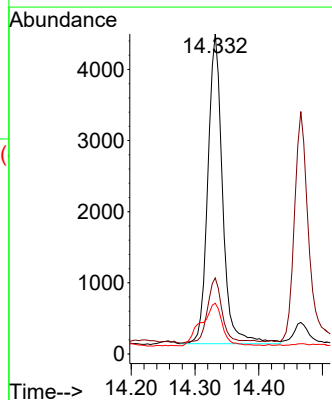
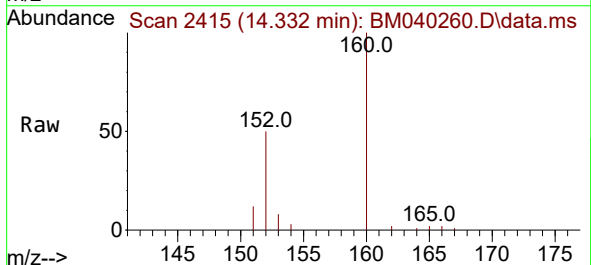
Instrument :
BNA_M
ClientSampleId :
DCFR4

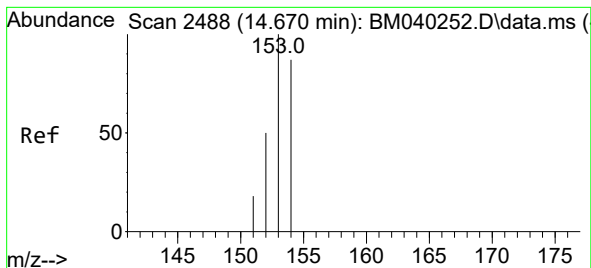
Tgt Ion:142 Resp: 1886
Ion Ratio Lower Upper
142 100
141 91.6 73.0 109.4



#10
Acenaphthylene
Concen: 0.143 ng/ul
RT: 14.332 min Scan# 2415
Delta R.T. -0.000 min
Lab File: BM040260.D
Acq: 15 Jun 2023 15:34

Tgt Ion:152 Resp: 7006
Ion Ratio Lower Upper
152 100
151 23.7 16.3 24.5
153 15.8 10.7 16.1





#11

Acenaphthene

Concen: 0.070 ng/ul

RT: 14.669 min Scan# 2488

Delta R.T. -0.005 min

Lab File: BM040260.D

Acq: 15 Jun 2023 15:34

Instrument :

BNA_M

ClientSampleId :

DCFR4

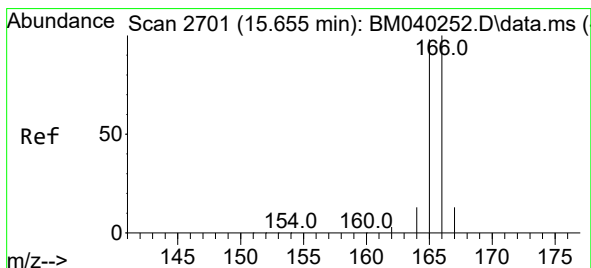
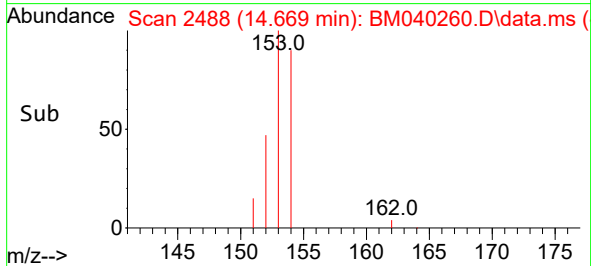
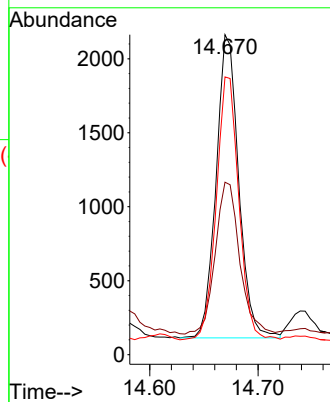
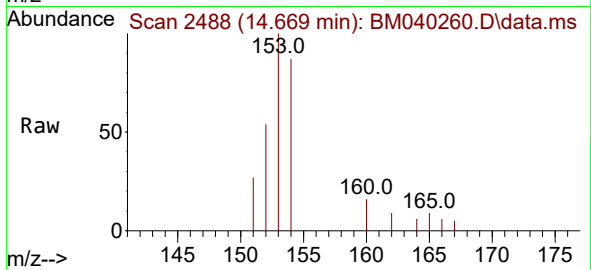
Tgt Ion:153 Resp: 2967

Ion Ratio Lower Upper

153 100

152 53.9 40.3 60.5

154 86.8 70.5 105.7



#12

Fluorene

Concen: 0.052 ng/ul

RT: 15.655 min Scan# 2701

Delta R.T. -0.005 min

Lab File: BM040260.D

Acq: 15 Jun 2023 15:34

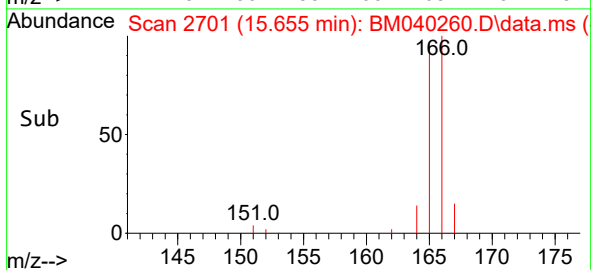
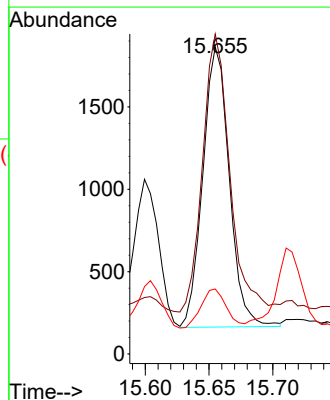
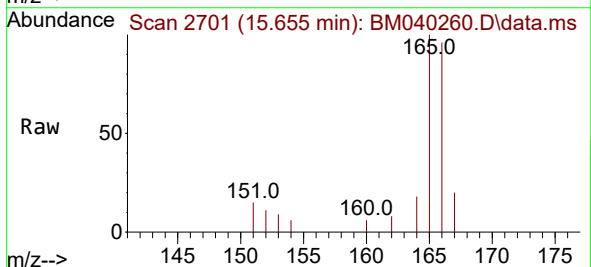
Tgt Ion:166 Resp: 2460

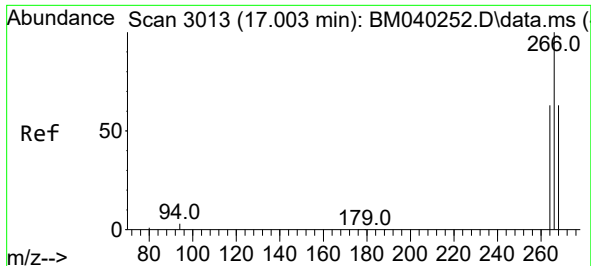
Ion Ratio Lower Upper

166 100

165 104.2 78.2 117.4

167 21.2 11.0 16.4#

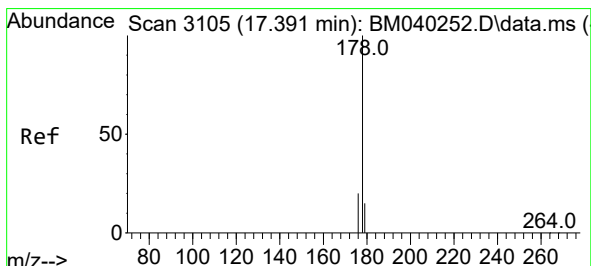
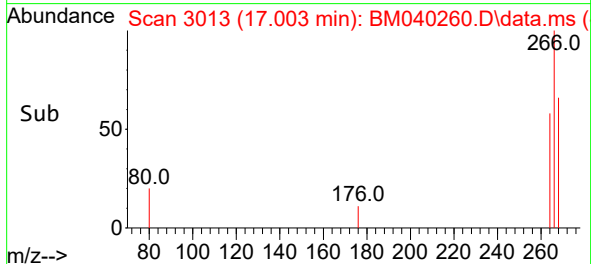
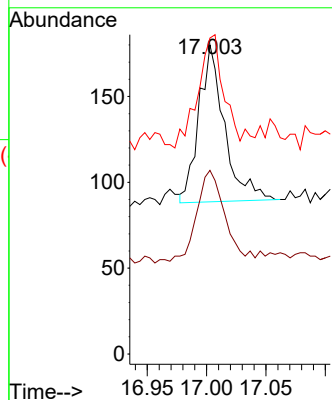
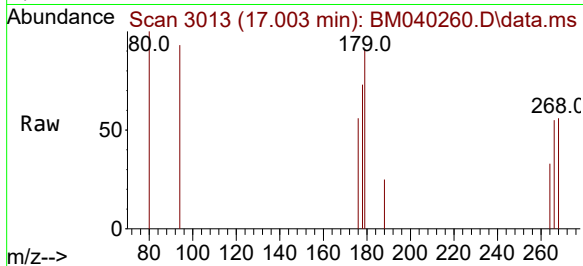




#14
Pentachlorophenol
Concen: 0.027 ng/ul
RT: 17.003 min Scan# 3013
Delta R.T. -0.004 min
Lab File: BM040260.D
Acq: 15 Jun 2023 15:34

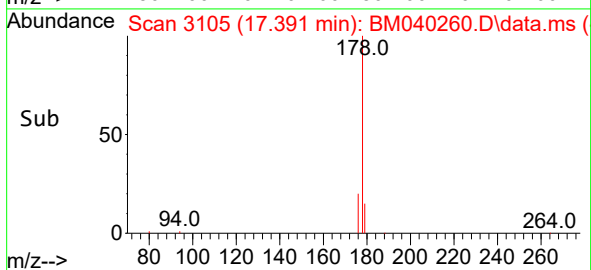
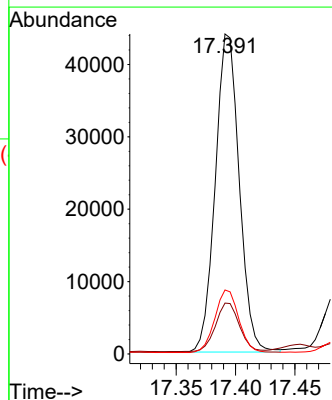
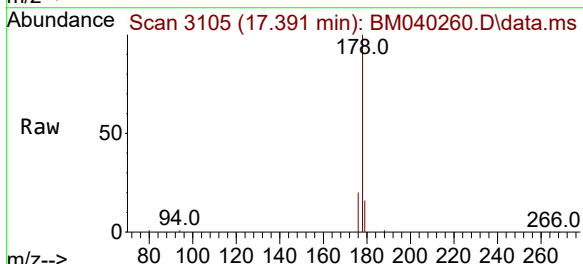
Instrument :
BNA_M
ClientSampleId :
DCFR4

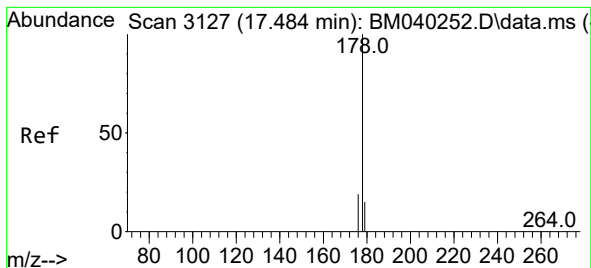
Tgt Ion:266 Resp: 137
Ion Ratio Lower Upper
266 100
264 61.3 49.4 74.0
268 76.6 51.3 76.9



#15
Phenanthrene
Concen: 0.947 ng/ul
RT: 17.391 min Scan# 3105
Delta R.T. -0.004 min
Lab File: BM040260.D
Acq: 15 Jun 2023 15:34

Tgt Ion:178 Resp: 61640
Ion Ratio Lower Upper
178 100
179 15.9 12.6 19.0
176 20.0 16.1 24.1





#16

Anthracene

Concen: 0.205 ng/ul

RT: 17.484 min Scan# 3127

Delta R.T. -0.004 min

Lab File: BM040260.D

Acq: 15 Jun 2023 15:34

Instrument :

BNA_M

ClientSampleId :

DCFR4

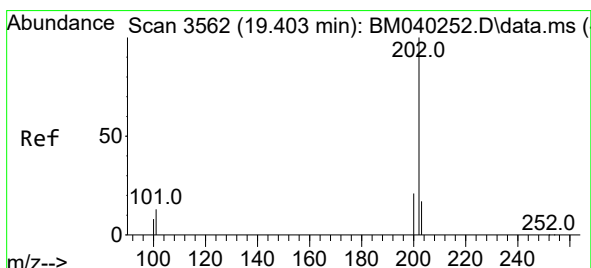
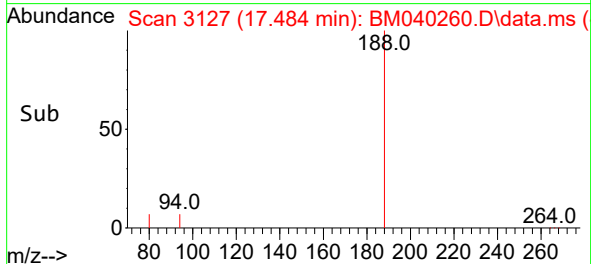
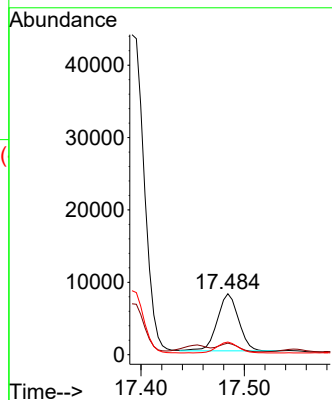
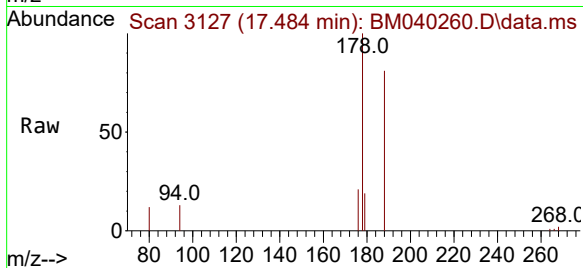
Tgt Ion:178 Resp: 11279

Ion Ratio Lower Upper

178 100

179 18.8 13.0 19.4

176 20.8 15.5 23.3



#19

Fluoranthene

Concen: 3.564 ng/ul

RT: 19.407 min Scan# 3563

Delta R.T. -0.000 min

Lab File: BM040260.D

Acq: 15 Jun 2023 15:34

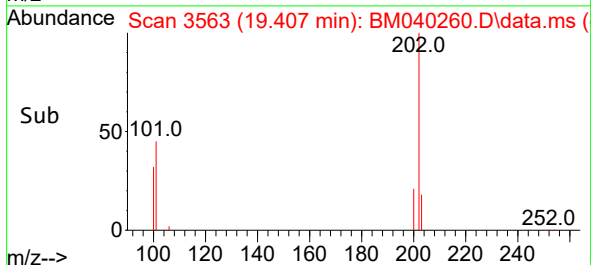
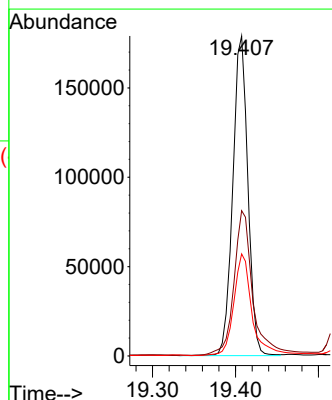
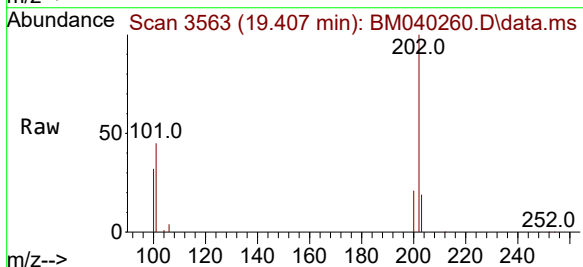
Tgt Ion:202 Resp: 225968

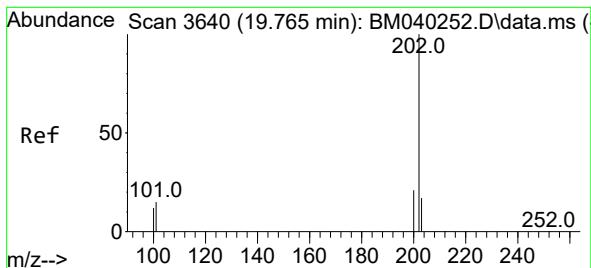
Ion Ratio Lower Upper

202 100

101 45.4 10.2 15.4#

100 31.9 7.6 11.4#





#20

Pyrene

Concen: 2.196 ng/ul

RT: 19.770 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM040260.D

Acq: 15 Jun 2023 15:34

Instrument :

BNA_M

ClientSampleId :

DCFR4

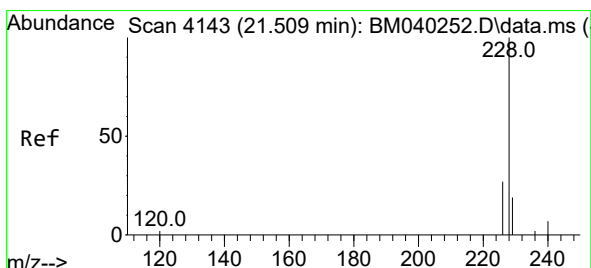
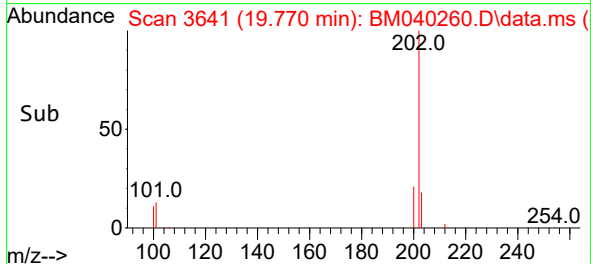
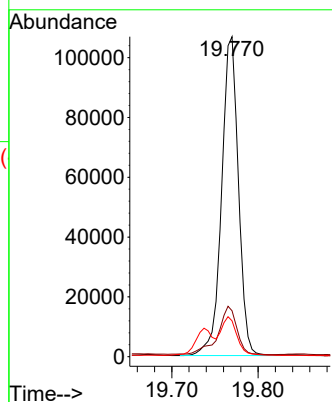
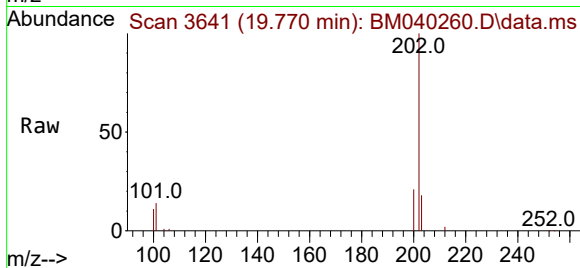
Tgt Ion:202 Resp: 144668

Ion Ratio Lower Upper

202 100

101 14.4 11.8 17.8

100 11.2 9.3 13.9



#21

Benzo(a)anthracene

Concen: 1.444 ng/ul

RT: 21.512 min Scan# 4144

Delta R.T. -0.003 min

Lab File: BM040260.D

Acq: 15 Jun 2023 15:34

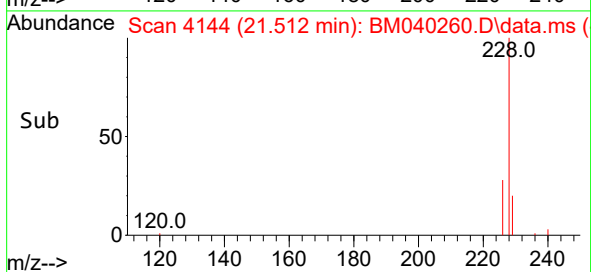
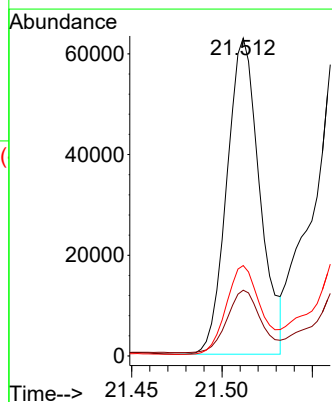
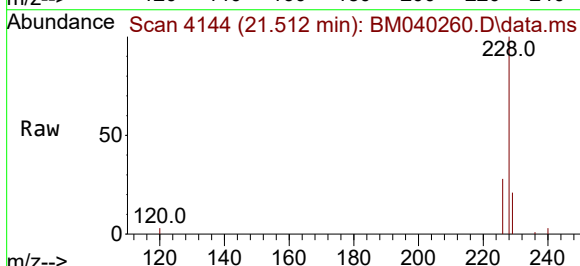
Tgt Ion:228 Resp: 79364

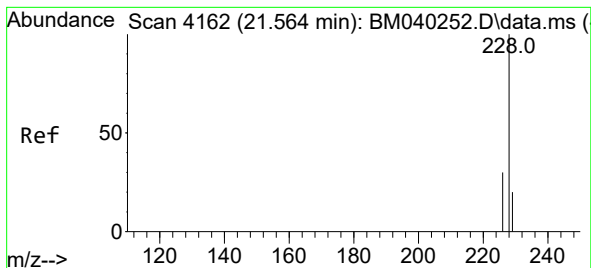
Ion Ratio Lower Upper

228 100

229 20.7 15.8 23.8

226 28.4 22.0 33.0





#22

Chrysene

Concen: 1.973 ng/ul

RT: 21.567 min Scan# 4163

Delta R.T. -0.003 min

Lab File: BM040260.D

Acq: 15 Jun 2023 15:34

Instrument :

BNA_M

ClientSampleId :

DCFR4

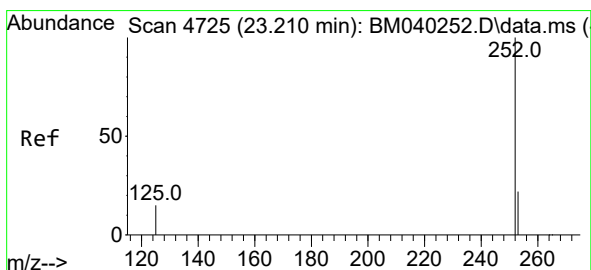
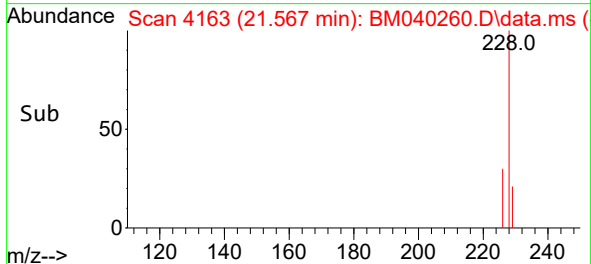
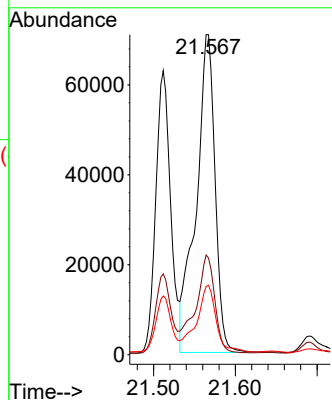
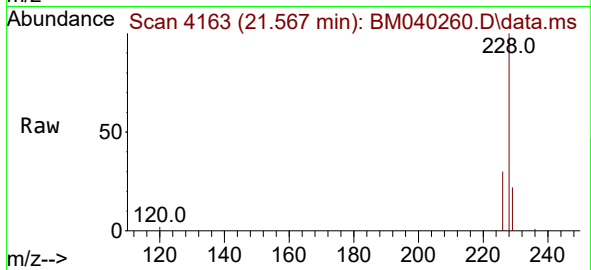
Tgt Ion:228 Resp: 114536

Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

229 21.7 15.7 23.5



#24

Benzo(b)fluoranthene

Concen: 2.780 ng/ul

RT: 23.213 min Scan# 4726

Delta R.T. -0.003 min

Lab File: BM040260.D

Acq: 15 Jun 2023 15:34

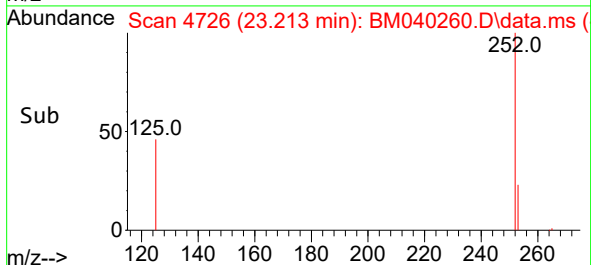
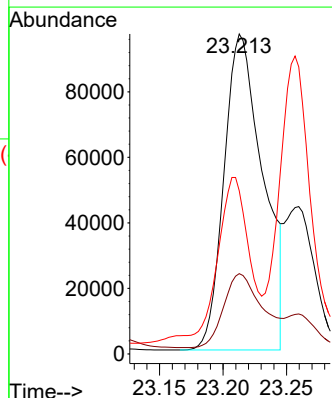
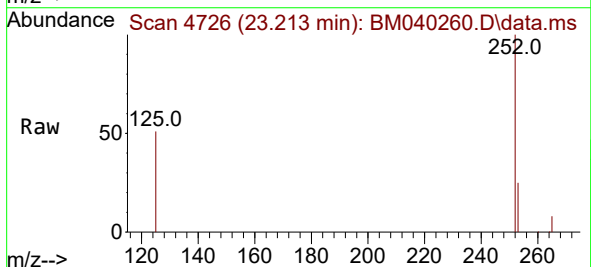
Tgt Ion:252 Resp: 205282

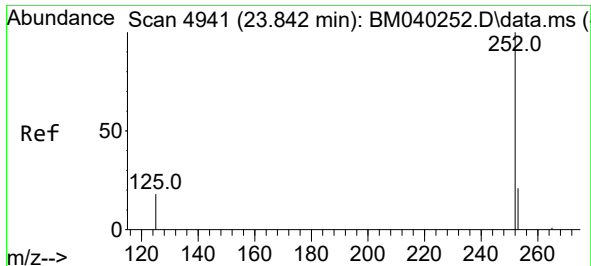
Ion Ratio Lower Upper

252 100

253 25.1 0.0 52.4

125 51.0 0.0 38.4#

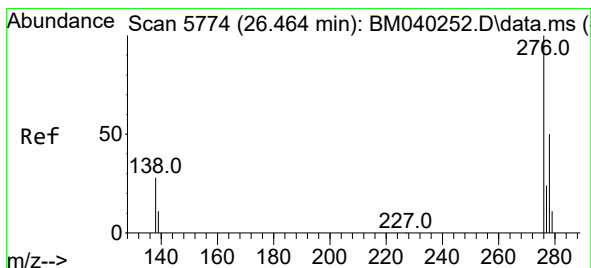
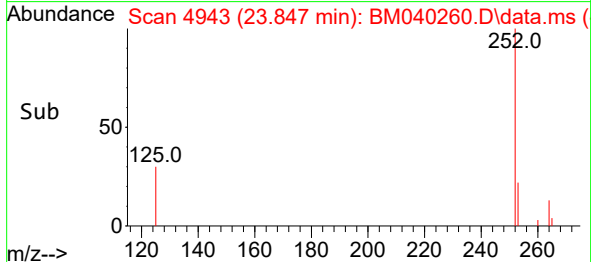
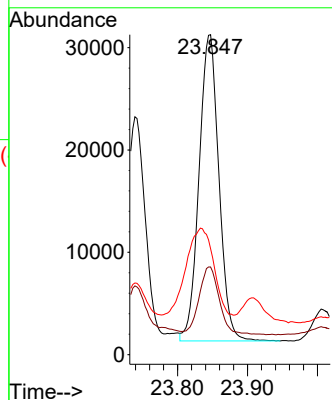
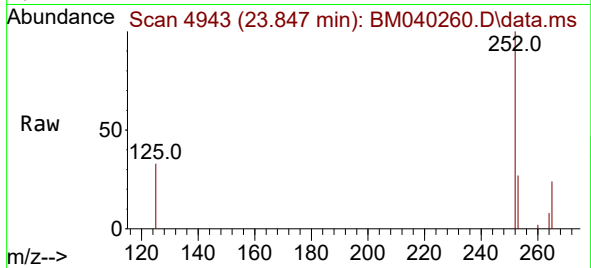




#26
Benzo(a)pyrene
Concen: 0.974 ng/ul
RT: 23.847 min Scan# 4941
Delta R.T. -0.003 min
Lab File: BM040260.D
Acq: 15 Jun 2023 15:34

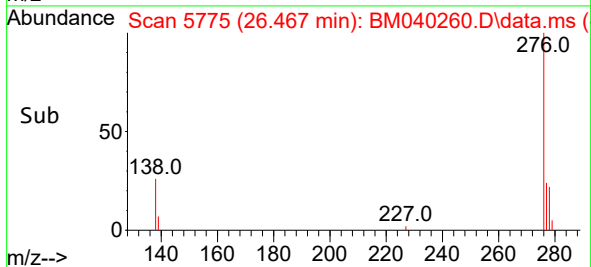
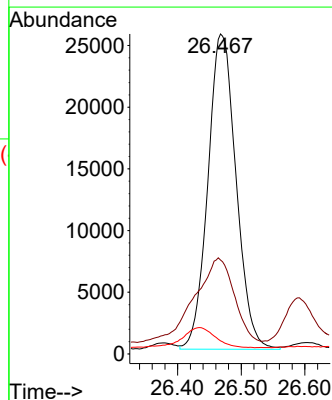
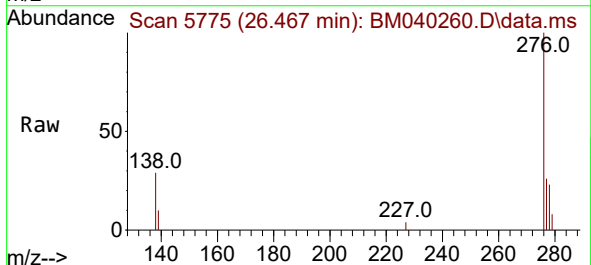
Instrument :
BNA_M
ClientSampleId :
DCFR4

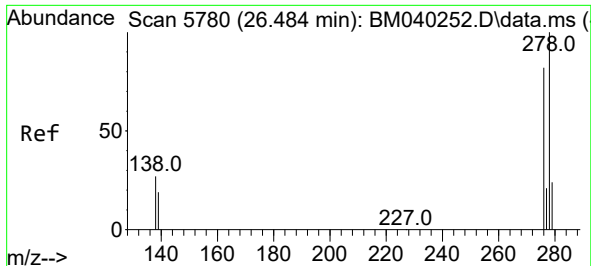
Tgt Ion:252 Resp: 59016
Ion Ratio Lower Upper
252 100
253 27.4 23.4 35.0
125 33.1 19.7 29.5#



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.026 ng/ul
RT: 26.467 min Scan# 5775
Delta R.T. -0.010 min
Lab File: BM040260.D
Acq: 15 Jun 2023 15:34

Tgt Ion:276 Resp: 78685
Ion Ratio Lower Upper
276 100
138 37.7 23.3 34.9#
227 0.0 0.1 0.1#

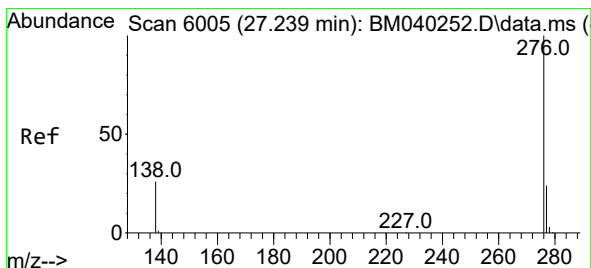
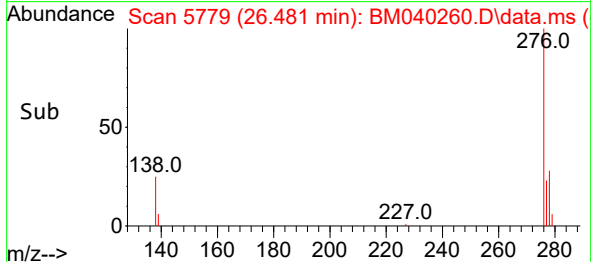
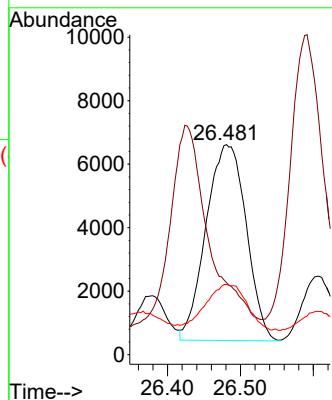
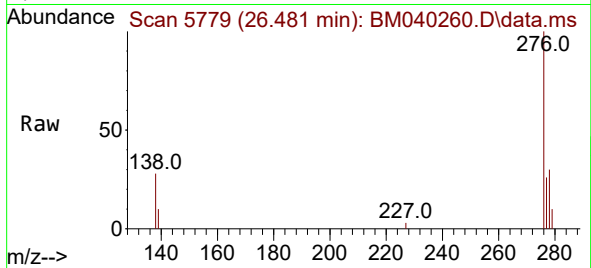




#28
 Dibenzo(a,h)anthracene
 Concen: 0.384 ng/ul
 RT: 26.481 min Scan# 51
 Delta R.T. -0.017 min
 Lab File: BM040260.D
 Acq: 15 Jun 2023 15:34

Instrument :
 BNA_M
 ClientSampleId :
 DCFR4

Tgt Ion:278 Resp: 23619
 Ion Ratio Lower Upper
 278 100
 139 34.3 16.4 24.6#
 279 33.4 21.8 32.8#



#29
 Benzo(g,h,i)perylene
 Concen: 0.091 ng/ul
 RT: 27.245 min Scan# 6007
 Delta R.T. -0.010 min
 Lab File: BM040260.D
 Acq: 15 Jun 2023 15:34

Tgt Ion:276 Resp: 5862
 Ion Ratio Lower Upper
 276 100
 138 98.4 21.0 31.4#
 277 38.4 19.6 29.4#

