

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061523\
 Data File : BM040267.D
 Acq On : 15 Jun 2023 19:54
 Operator : MA/JU
 Sample : 03088-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFR5

Quant Time: Jun 15 23:43:52 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

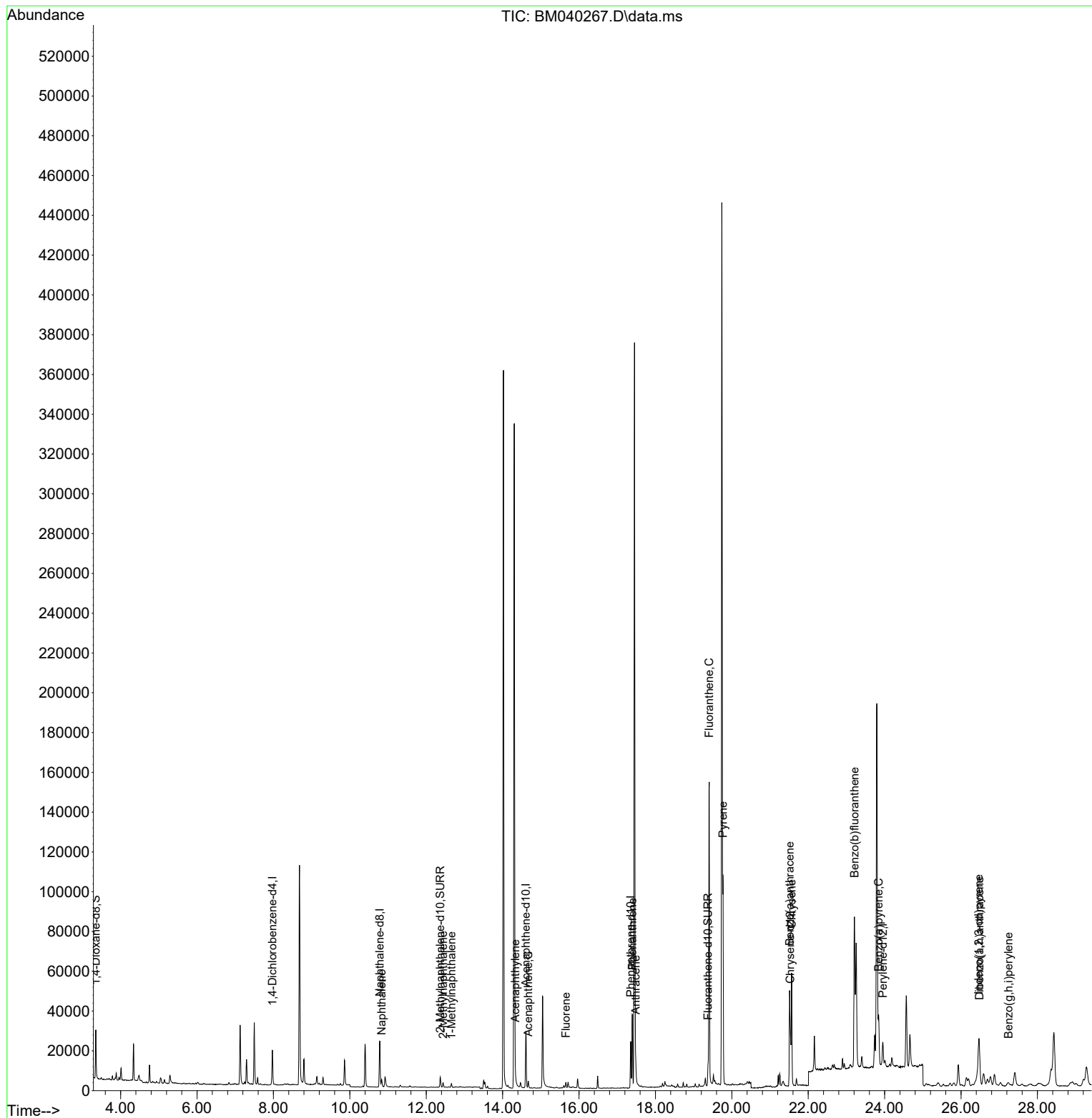
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.974	152	8890	0.400	ng/ul	0.00
4) Naphthalene-d8	10.784	136	31494	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.610	164	15585	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.353	188	26227	0.400	ng/ul	0.00
17) Chrysene-d12	21.529	240	16870	0.400	ng/ul	# 0.00
23) Perylene-d12	23.953	264	17551	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.350	96	14625	1.332	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.367	152	6855	0.171	ng/ul	0.00
18) Fluoranthene-d10	19.375	212	9688	0.230	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.833	128	4943	0.066	ng/ul#	92
7) 2-Methylnaphthalene	12.439	142	1601	0.035	ng/ul	97
8) 1-Methylnaphthalene	12.659	142	1264	0.026	ng/ul	95
10) Acenaphthylene	14.332	152	3020	0.055	ng/ul#	86
11) Acenaphthene	14.670	153	1912	0.041	ng/ul	96
12) Fluorene	15.655	166	1600	0.031	ng/ul#	91
15) Phenanthrene	17.396	178	38658	0.561	ng/ul	99
16) Anthracene	17.484	178	6315	0.108	ng/ul#	92
19) Fluoranthene	19.408	202	113738	1.979	ng/ul#	84
20) Pyrene	19.770	202	82409	1.380	ng/ul	99
21) Benzo(a)anthracene	21.512	228	38981	0.783	ng/ul	98
22) Chrysene	21.564	228	58769	1.117	ng/ul	98
24) Benzo(b)fluoranthene	23.213	252	99050	1.531	ng/ul#	76
26) Benzo(a)pyrene	23.844	252	31134	0.586	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	26.467	276	40143	0.597	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.481	278	11376	0.211	ng/ul#	76
29) Benzo(g,h,i)perylene	27.246	276	3515	0.063	ng/ul#	25

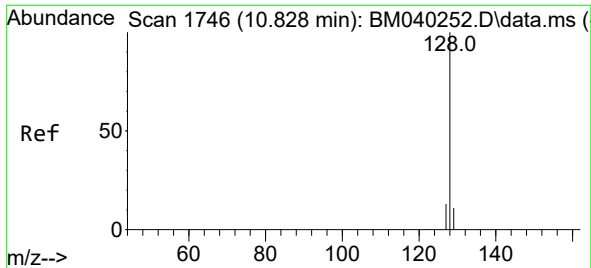
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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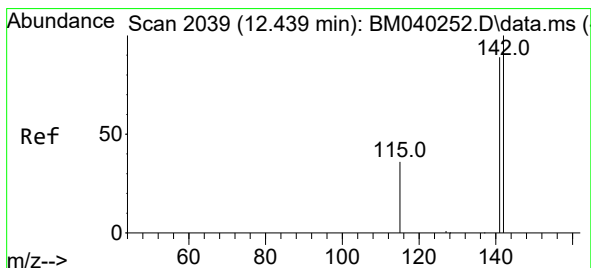
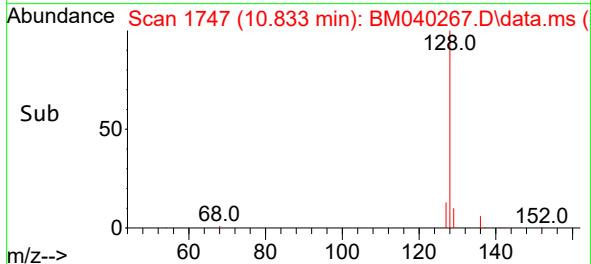
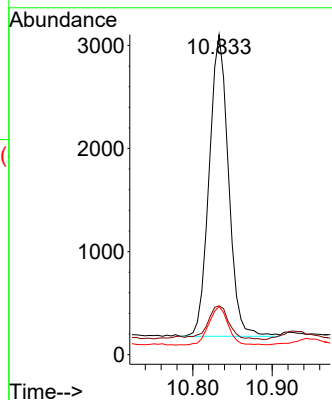
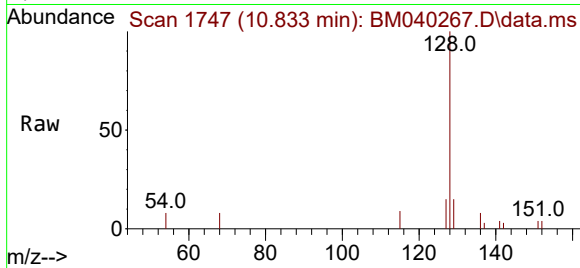




#5
Naphthalene
Concen: 0.066 ng/ul
RT: 10.833 min Scan# 1747
Delta R.T. 0.000 min
Lab File: BM040267.D
Acq: 15 Jun 2023 19:54

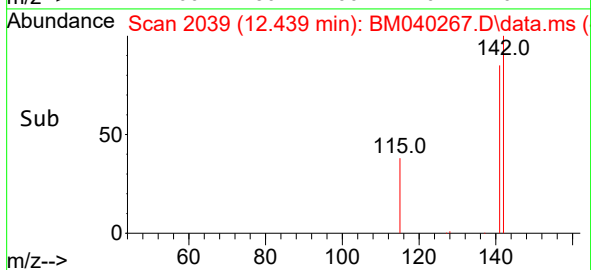
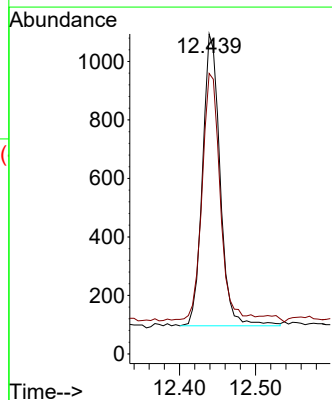
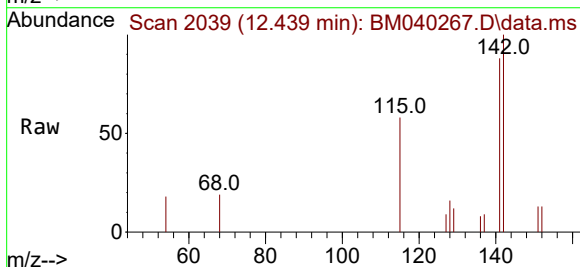
Instrument :
BNA_M
ClientSampleId :
DCFR5

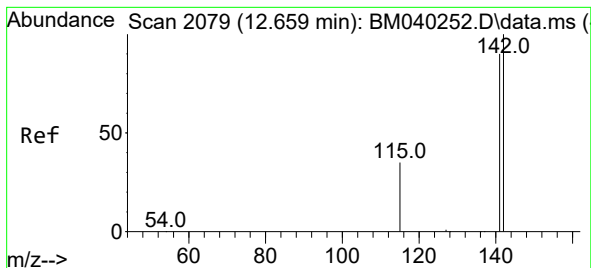
Tgt Ion:128 Resp: 4943
Ion Ratio Lower Upper
128 100
129 15.3 9.1 13.7#
127 15.1 10.4 15.6



#7
2-Methylnaphthalene
Concen: 0.035 ng/ul
RT: 12.439 min Scan# 2039
Delta R.T. -0.005 min
Lab File: BM040267.D
Acq: 15 Jun 2023 19:54

Tgt Ion:142 Resp: 1601
Ion Ratio Lower Upper
142 100
141 91.3 70.6 106.0





#8

1-Methylnaphthalene

Concen: 0.026 ng/ul

RT: 12.659 min Scan# 2079

Delta R.T. -0.005 min

Lab File: BM040267.D

Acq: 15 Jun 2023 19:54

Instrument :

BNA_M

ClientSampleId :

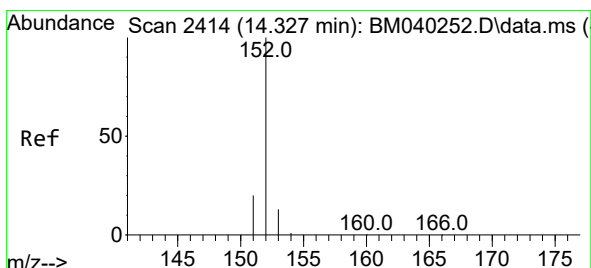
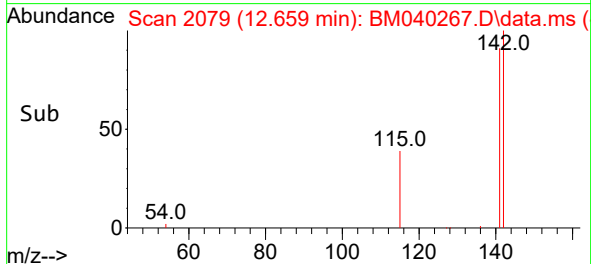
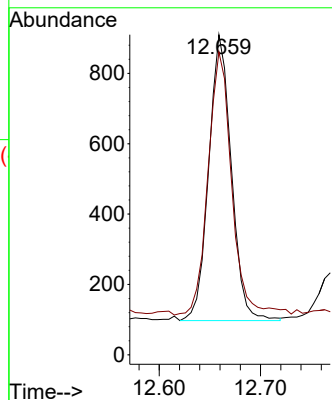
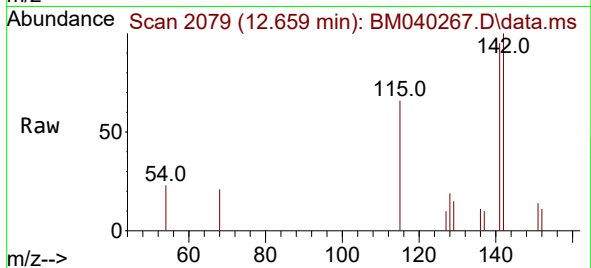
DCFR5

Tgt Ion:142 Resp: 1264

Ion Ratio Lower Upper

142 100

141 96.0 73.0 109.4



#10

Acenaphthylene

Concen: 0.055 ng/ul

RT: 14.332 min Scan# 2415

Delta R.T. 0.000 min

Lab File: BM040267.D

Acq: 15 Jun 2023 19:54

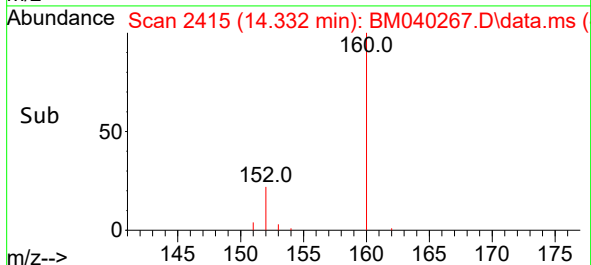
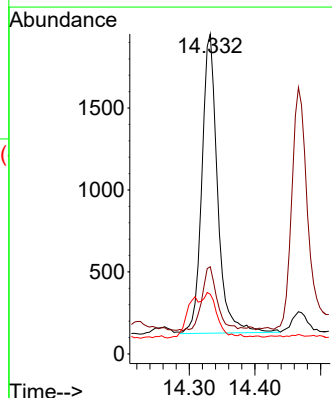
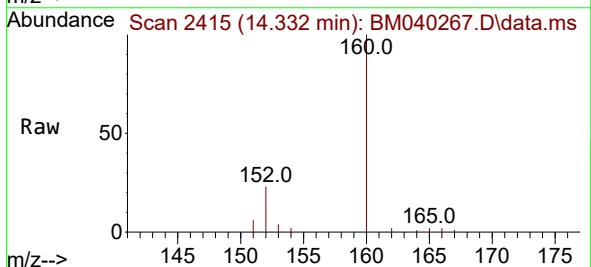
Tgt Ion:152 Resp: 3020

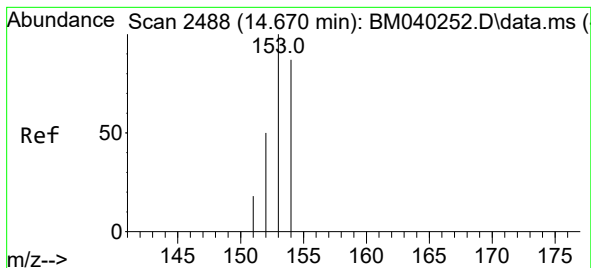
Ion Ratio Lower Upper

152 100

151 27.3 16.3 24.5#

153 18.6 10.7 16.1#





#11

Acenaphthene

Concen: 0.041 ng/ul

RT: 14.670 min Scan# 2488

Delta R.T. -0.005 min

Lab File: BM040267.D

Acq: 15 Jun 2023 19:54

Instrument :

BNA_M

ClientSampleId :

DCFR5

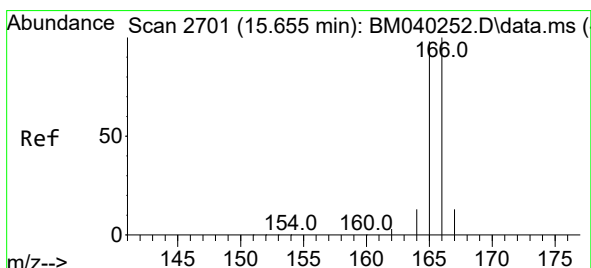
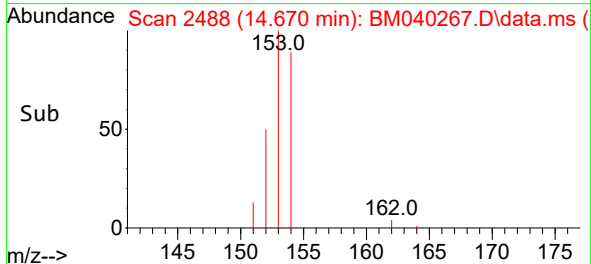
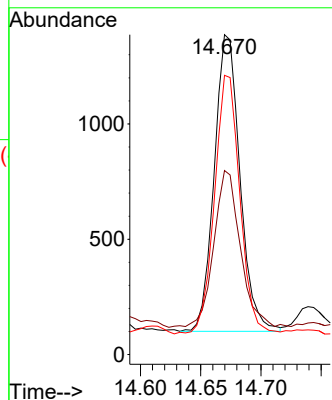
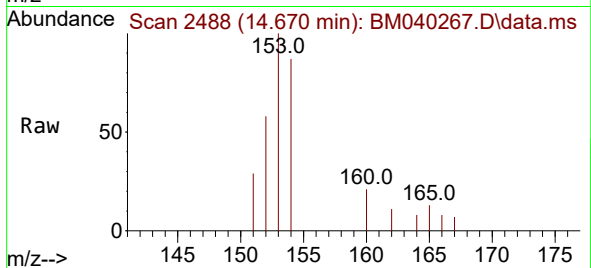
Tgt Ion:153 Resp: 1912

Ion Ratio Lower Upper

153 100

152 57.5 40.3 60.5

154 87.3 70.5 105.7



#12

Fluorene

Concen: 0.031 ng/ul

RT: 15.655 min Scan# 2701

Delta R.T. -0.005 min

Lab File: BM040267.D

Acq: 15 Jun 2023 19:54

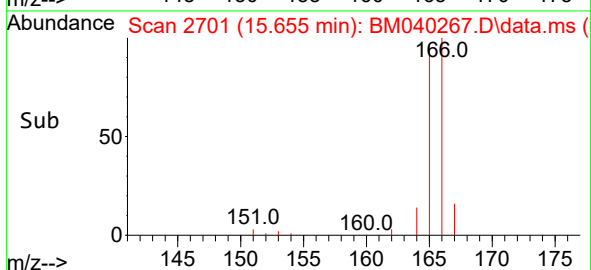
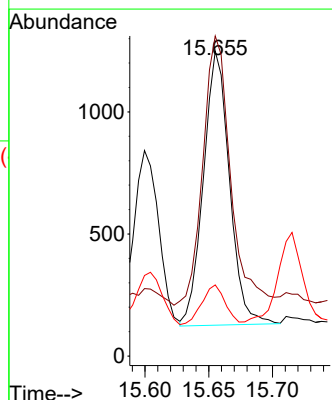
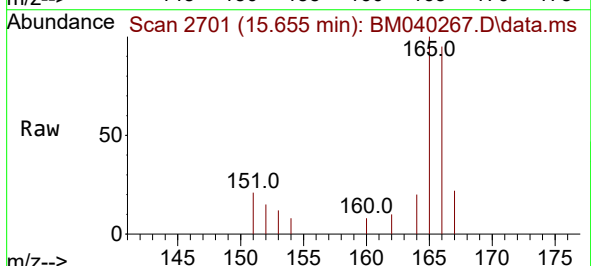
Tgt Ion:166 Resp: 1600

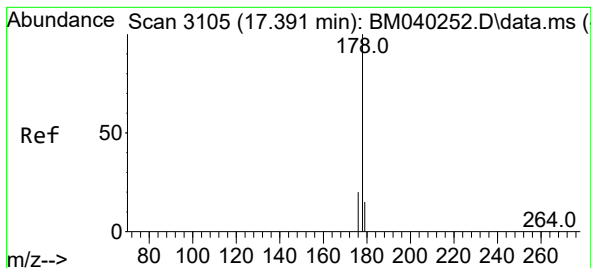
Ion Ratio Lower Upper

166 100

165 105.0 78.2 117.4

167 23.3 11.0 16.4#





#15

Phenanthrene

Concen: 0.561 ng/ul

RT: 17.396 min Scan# 3105

Delta R.T. 0.000 min

Lab File: BM040267.D

Acq: 15 Jun 2023 19:54

Instrument :

BNA_M

ClientSampleId :

DCFR5

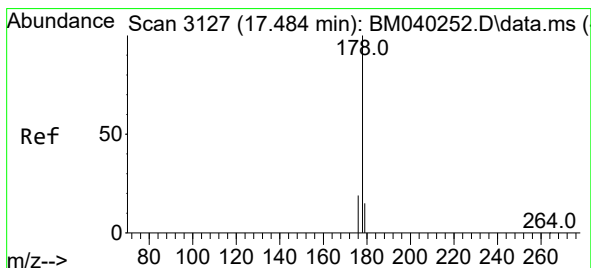
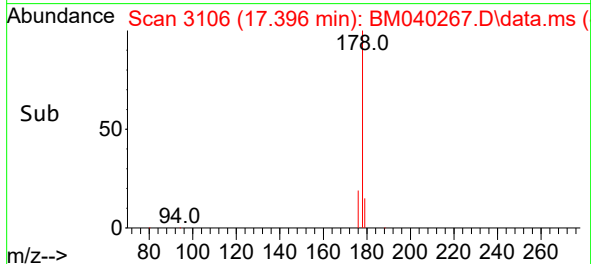
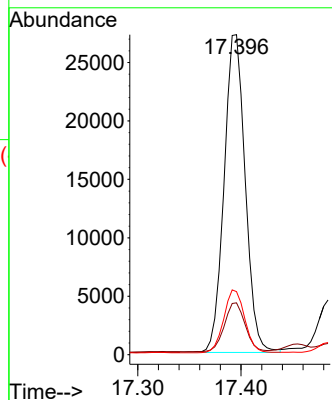
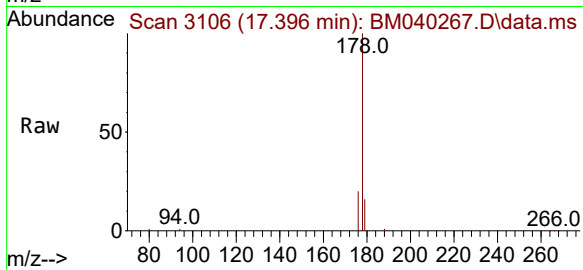
Tgt Ion:178 Resp: 38658

Ion Ratio Lower Upper

178 100

179 16.2 12.6 19.0

176 19.7 16.1 24.1



#16

Anthracene

Concen: 0.108 ng/ul

RT: 17.484 min Scan# 3127

Delta R.T. -0.004 min

Lab File: BM040267.D

Acq: 15 Jun 2023 19:54

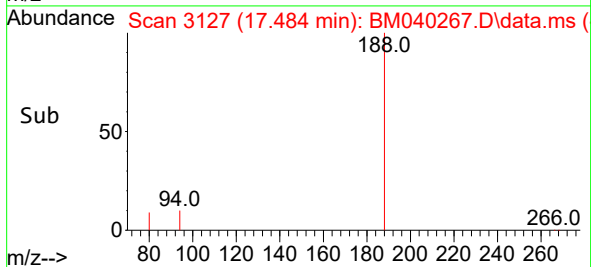
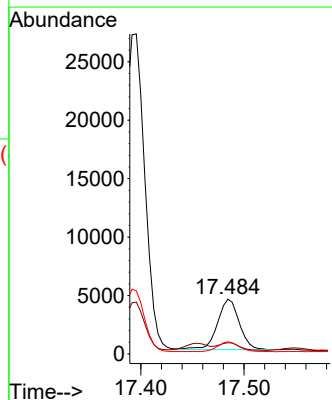
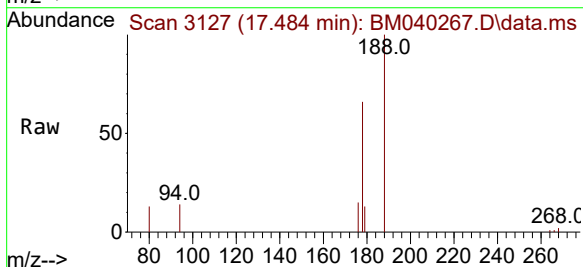
Tgt Ion:178 Resp: 6315

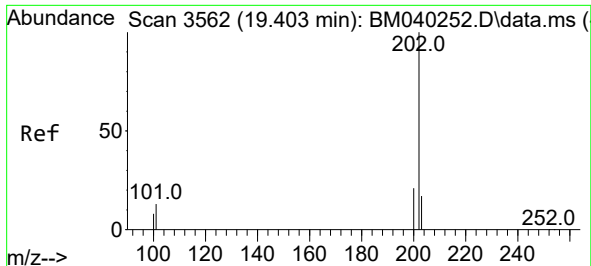
Ion Ratio Lower Upper

178 100

179 20.3 13.0 19.4#

176 22.3 15.5 23.3

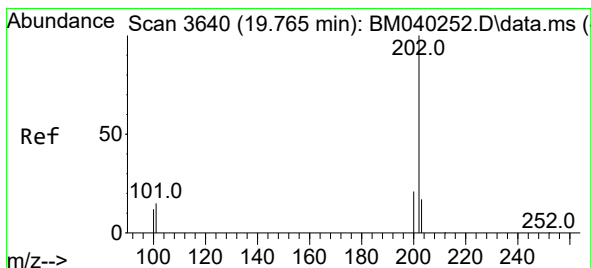
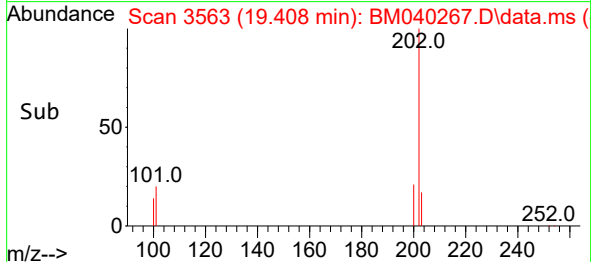
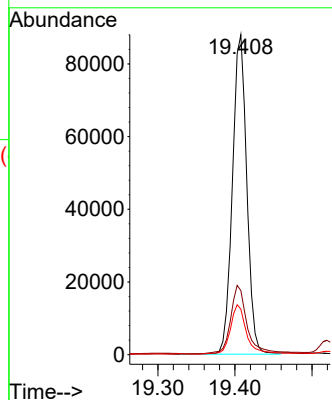
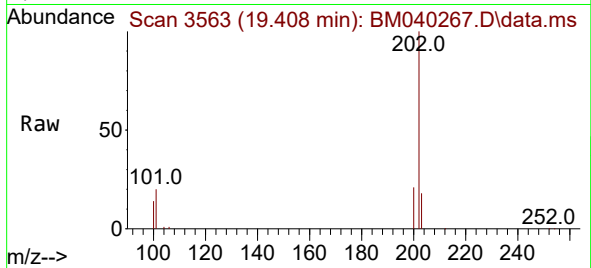




#19
Fluoranthene
Concen: 1.979 ng/ul
RT: 19.408 min Scan# 3562
Delta R.T. 0.000 min
Lab File: BM040267.D
Acq: 15 Jun 2023 19:54

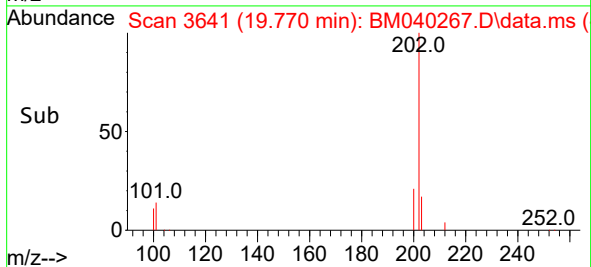
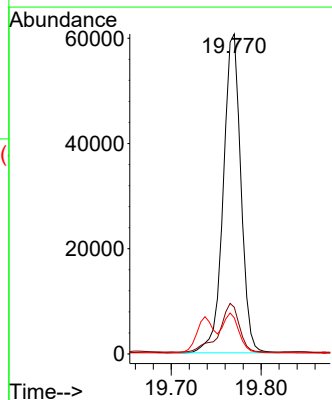
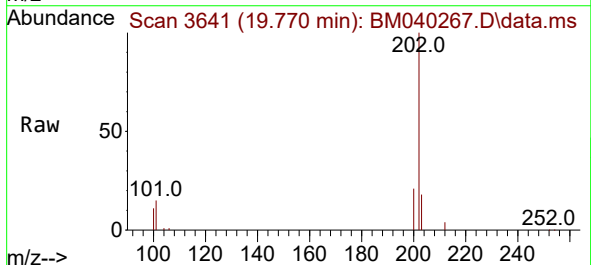
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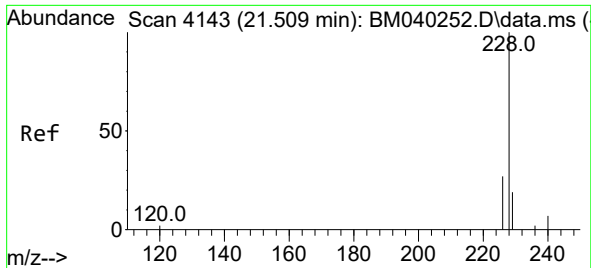
Tgt Ion:202 Resp: 113738
Ion Ratio Lower Upper
202 100
101 20.0 10.2 15.4#
100 14.3 7.6 11.4#



#20
Pyrene
Concen: 1.380 ng/ul
RT: 19.770 min Scan# 3641
Delta R.T. 0.000 min
Lab File: BM040267.D
Acq: 15 Jun 2023 19:54

Tgt Ion:202 Resp: 82409
Ion Ratio Lower Upper
202 100
101 14.6 11.8 17.8
100 11.3 9.3 13.9

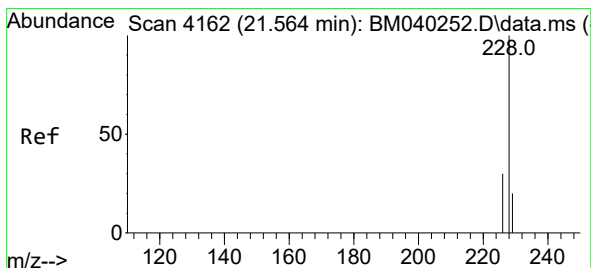
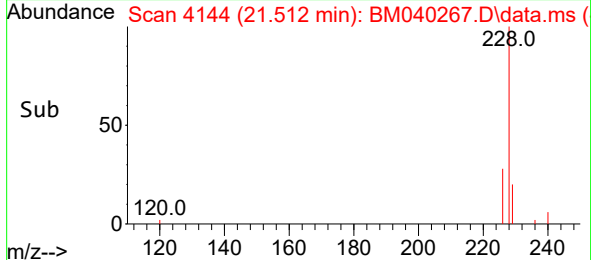
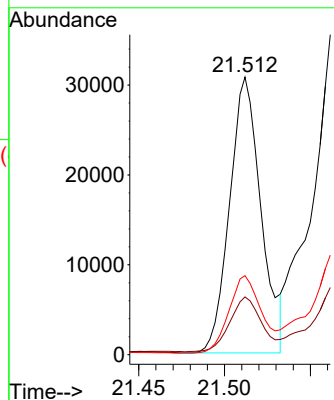
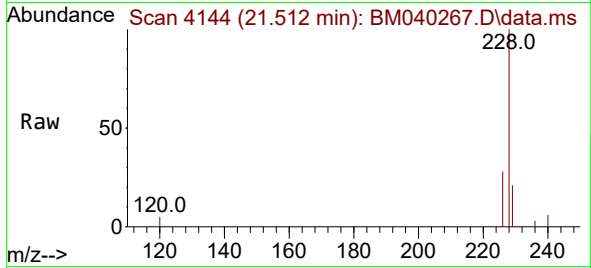




#21
Benzo(a)anthracene
Concen: 0.783 ng/ul
RT: 21.512 min Scan# 4144
Delta R.T. -0.003 min
Lab File: BM040267.D
Acq: 15 Jun 2023 19:54

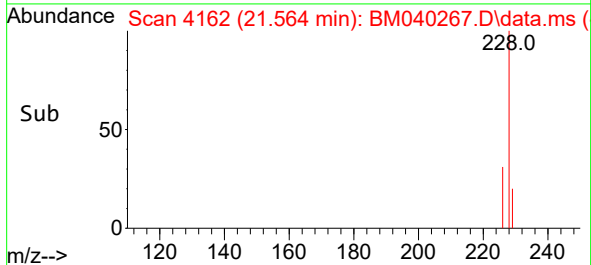
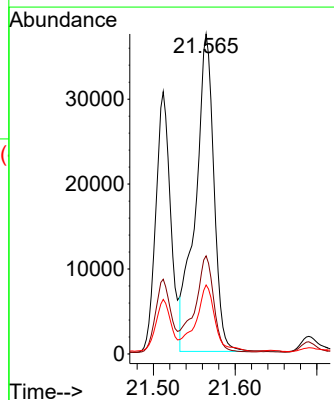
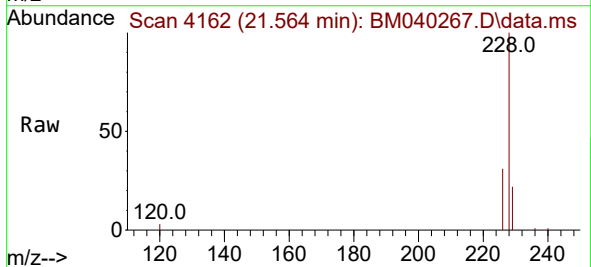
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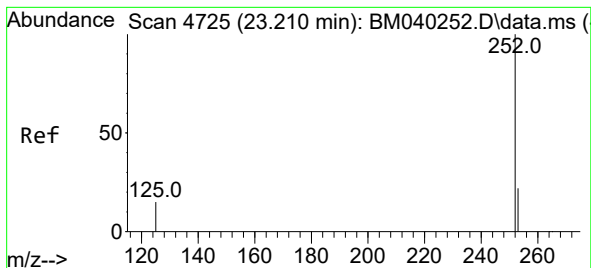
Tgt Ion:228 Resp: 38981
Ion Ratio Lower Upper
228 100
229 20.8 15.8 23.8
226 28.5 22.0 33.0



#22
Chrysene
Concen: 1.117 ng/ul
RT: 21.564 min Scan# 4162
Delta R.T. -0.006 min
Lab File: BM040267.D
Acq: 15 Jun 2023 19:54

Tgt Ion:228 Resp: 58769
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 21.6 15.7 23.5





#24

Benzo(b)fluoranthene

Concen: 1.531 ng/ul

RT: 23.213 min Scan# 41

Delta R.T. -0.003 min

Lab File: BM040267.D

Acq: 15 Jun 2023 19:54

Instrument :

BNA_M

ClientSampleId :

DCFR5

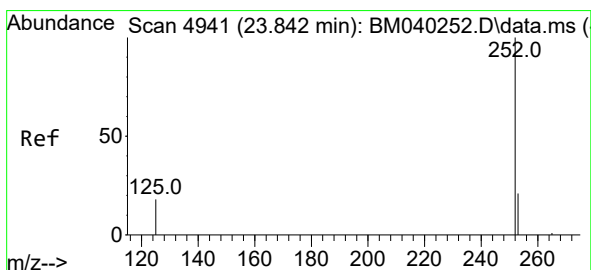
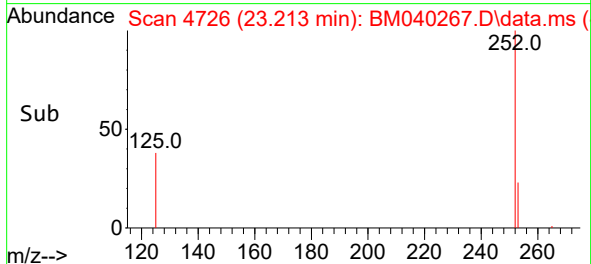
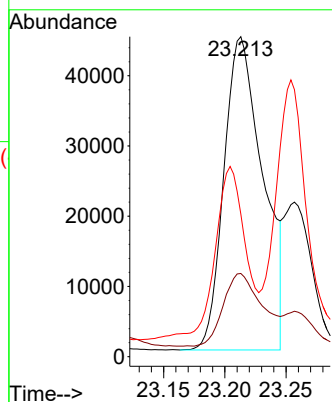
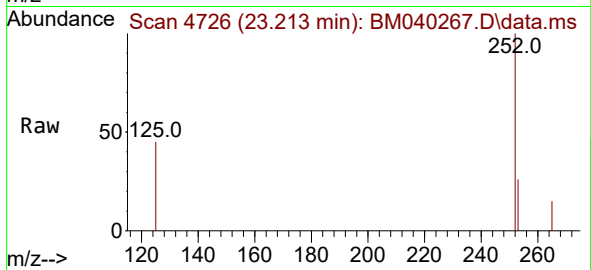
Tgt Ion:252 Resp: 99050

Ion Ratio Lower Upper

252 100

253 26.0 0.0 52.4

125 44.5 0.0 38.4#



#26

Benzo(a)pyrene

Concen: 0.586 ng/ul

RT: 23.844 min Scan# 4942

Delta R.T. -0.006 min

Lab File: BM040267.D

Acq: 15 Jun 2023 19:54

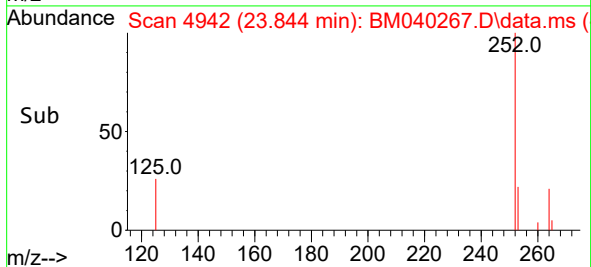
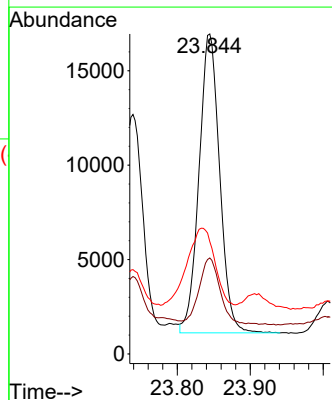
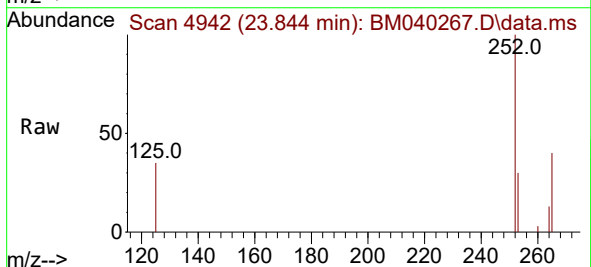
Tgt Ion:252 Resp: 31134

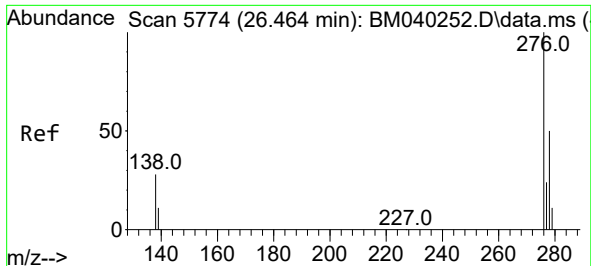
Ion Ratio Lower Upper

252 100

253 30.0 23.4 35.0

125 35.1 19.7 29.5#

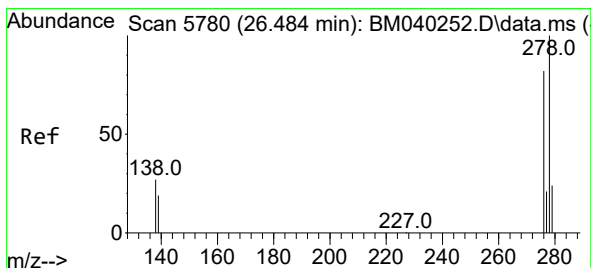
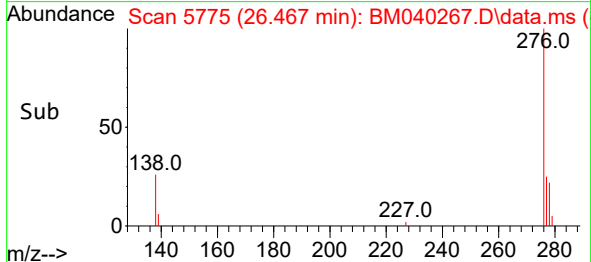
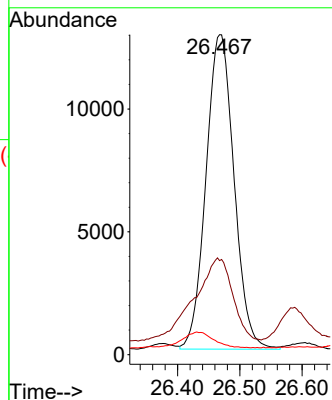
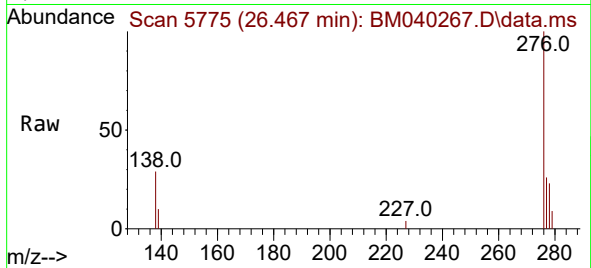




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.597 ng/ul
RT: 26.467 min Scan# 5775
Delta R.T. -0.010 min
Lab File: BM040267.D
Acq: 15 Jun 2023 19:54

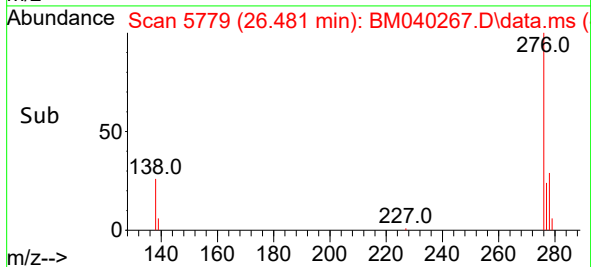
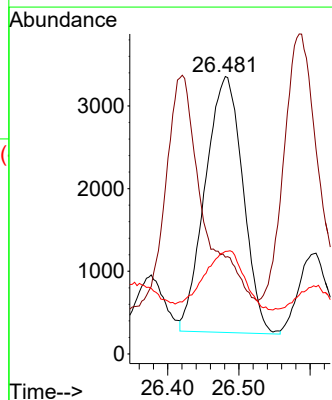
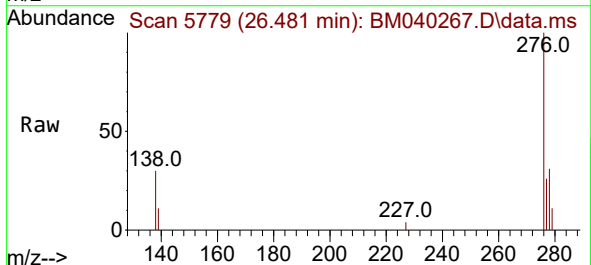
Instrument :
BNA_M
ClientSampleId :
DCFR5

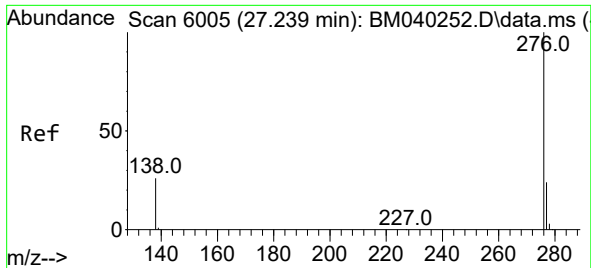
Tgt Ion:276 Resp: 40143
Ion Ratio Lower Upper
276 100
138 36.6 23.3 34.9#
227 0.0 0.1 0.1#



#28
Dibenzo(a,h)anthracene
Concen: 0.211 ng/ul
RT: 26.481 min Scan# 5779
Delta R.T. -0.017 min
Lab File: BM040267.D
Acq: 15 Jun 2023 19:54

Tgt Ion:278 Resp: 11376
Ion Ratio Lower Upper
278 100
139 34.9 16.4 24.6#
279 37.0 21.8 32.8#





#29

Benzo(g,h,i)perylene

Concen: 0.063 ng/ul

RT: 27.246 min Scan# 6007

Delta R.T. -0.010 min

Lab File: BM040267.D

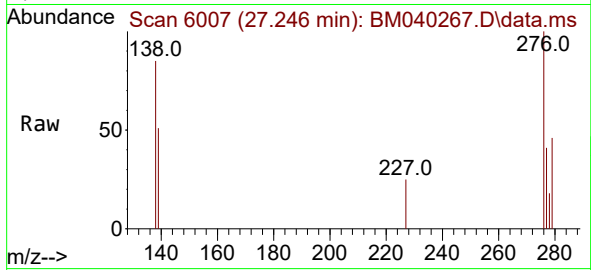
Acq: 15 Jun 2023 19:54

Instrument :

BNA_M

ClientSampleId :

DCFR5



Tgt Ion:276 Resp: 3515

Ion Ratio Lower Upper

276 100

138 84.5 21.0 31.4#

277 40.7 19.6 29.4#

