

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070323\
 Data File : BM040579.D
 Acq On : 03 Jul 2023 17:28
 Operator : MA/JU
 Sample : 03242-02DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFZ9DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/04/2023
 Supervised By :Sohil Jodhani 07/04/2023

Quant Time: Jul 03 18:35:30 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 : Mon Jul 03 13:40:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.923	152	6233	0.400	ng/ul	0.00
4) Naphthalene-d8	10.734	136	22819	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.568	164	10427	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.315	188	19619	0.400	ng/ul	0.00
17) Chrysene-d12	21.500	240	11520	0.400	ng/ul	0.00
23) Perylene-d12	23.911	264	12250	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.320	96	8126	0.830	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.323	152	1841	0.058	ng/ul	0.00
18) Fluoranthene-d10	19.347	212	2502	0.068	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.783	128	5448	0.087	ng/ul#	93
7) 2-Methylnaphthalene	12.395	142	3058	0.083	ng/ul	99
8) 1-Methylnaphthalene	12.614	142	1946	0.053	ng/ul	99
10) Acenaphthylene	14.290	152	4155	0.089	ng/ul#	90
11) Acenaphthene	14.628	153	1815	0.046	ng/ul	96
12) Fluorene	15.618	166	1544	0.037	ng/ul#	90
15) Phenanthrene	17.357	178	32764	0.538	ng/ul	100
16) Anthracene	17.450	178	8428	0.165	ng/ul#	95
19) Fluoranthene	19.375	202	113808	2.326	ng/ul	96
20) Pyrene	19.737	202	91298m	1.740	ng/ul	
21) Benzo(a)anthracene	21.485	228	59427	1.525	ng/ul	97
22) Chrysene	21.535	228	48471	1.090	ng/ul	97
24) Benzo(b)fluoranthene	23.178	252	91813	1.937	ng/ul	94
25) Benzo(k)fluoranthene	23.218	252	27928m	0.598	ng/ul	
26) Benzo(a)pyrene	23.803	252	53084	1.243	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	26.410	276	45672	0.768	ng/ul#	87
28) Dibenzo(a,h)anthracene	26.423	278	10955	0.235	ng/ul#	79
29) Benzo(g,h,i)perylene	27.185	276	43337	0.831	ng/ul	99

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

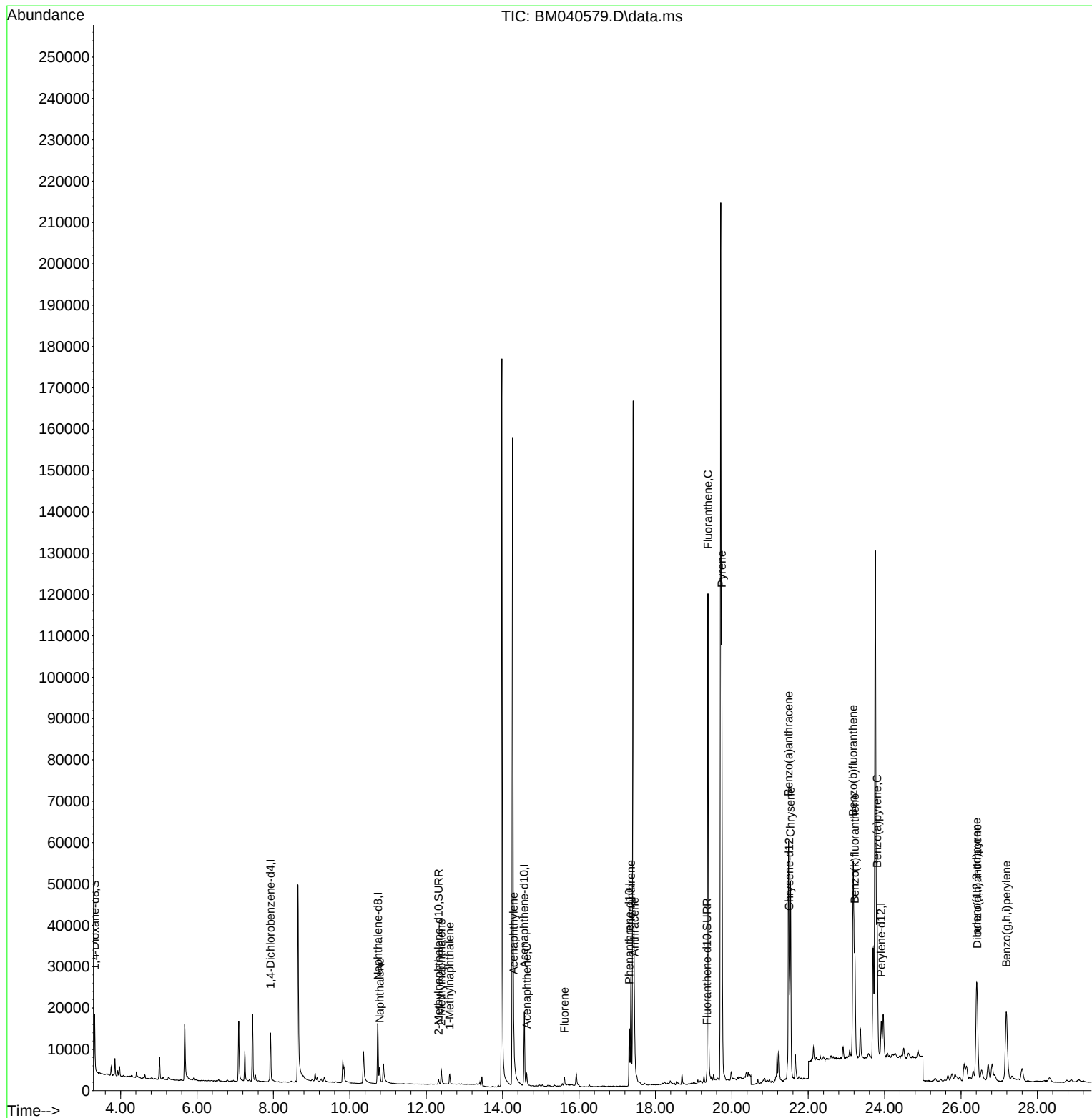
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070323\
Data File : BM040579.D
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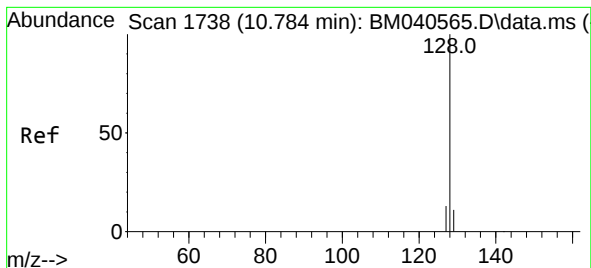
Instrument :
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Quant Time: Jul 03 18:35:30 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
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Supervised By :Sohil Jodhani 07/04/2023





#5

Naphthalene

Concen: 0.087 ng/ul

RT: 10.783 min Scan# 1738

Delta R.T. -0.000 min

Lab File: BM040579.D

Acq: 03 Jul 2023 17:28

Instrument :

BNA_M

ClientSampleId :

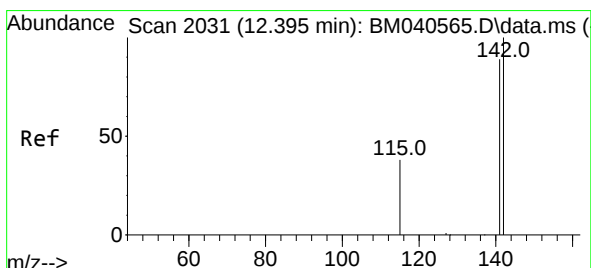
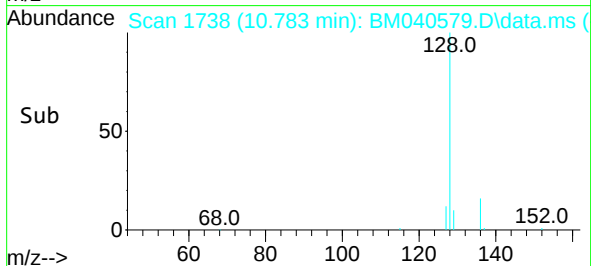
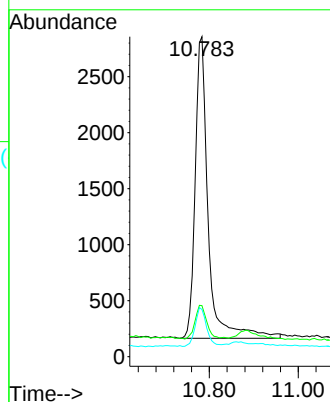
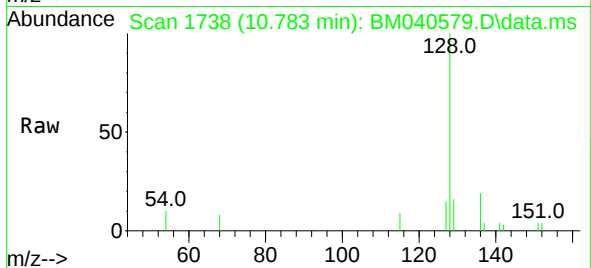
DCFZ9DL

Tgt Ion:128	Resp:	544
Ion Ratio	Lower	Upper
128	100	
129	15.9	9.2 13.8
127	14.7	10.6 15.8

Manual Integrations

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#7

2-Methylnaphthalene

Concen: 0.083 ng/ul

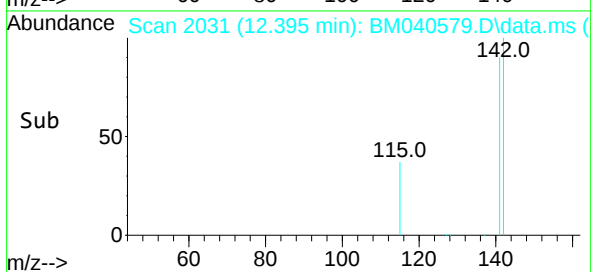
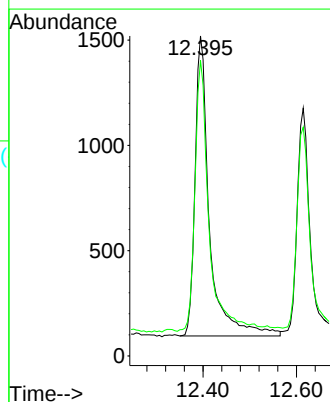
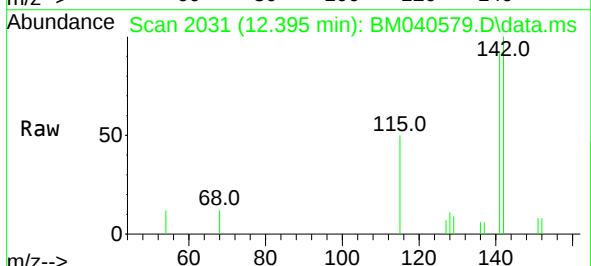
RT: 12.395 min Scan# 2031

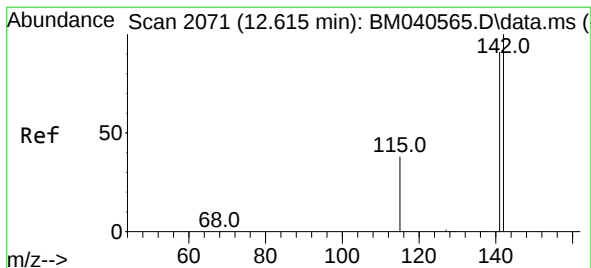
Delta R.T. -0.000 min

Lab File: BM040579.D

Acq: 03 Jul 2023 17:28

Tgt Ion:142	Resp:	3058
Ion Ratio	Lower	Upper
142	100	
141	89.4	71.9 107.9





#8

1-Methylnaphthalene

Concen: 0.053 ng/u1

RT: 12.614 min Scan# 2071

Delta R.T. -0.000 min

Lab File: BM040579.D

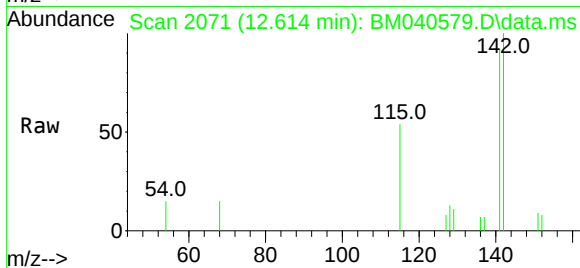
Acq: 03 Jul 2023 17:28

Instrument :

BNA_M

ClientSampleId :

DCFZ9DL



Tgt Ion:142 Resp: 1940

Ion Ratio Lower Upper

142 100

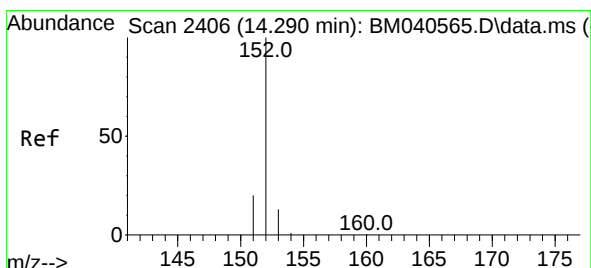
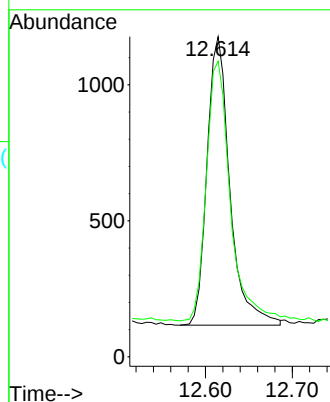
141 93.2 73.7 110.5

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Supervised By :Sohil Jodhani 07/04/2023



#10

Acenaphthylene

Concen: 0.089 ng/u1

RT: 14.290 min Scan# 2406

Delta R.T. -0.000 min

Lab File: BM040579.D

Acq: 03 Jul 2023 17:28

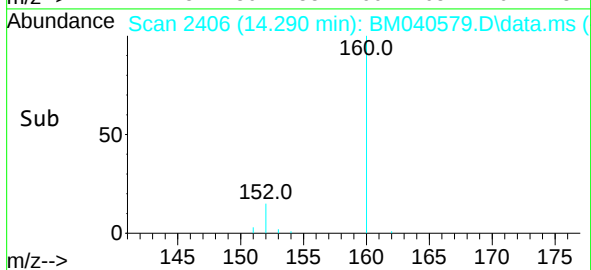
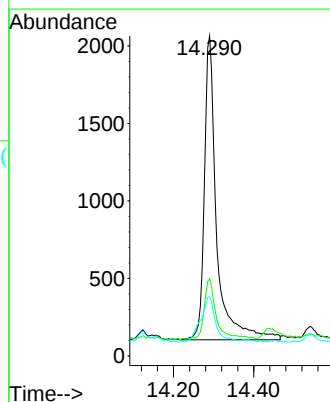
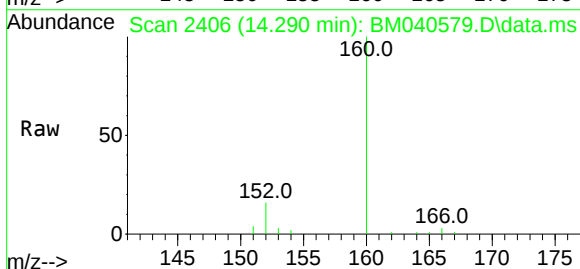
Tgt Ion:152 Resp: 4155

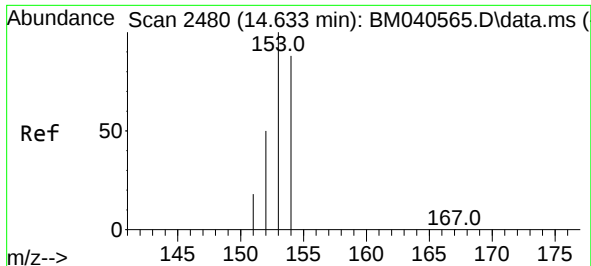
Ion Ratio Lower Upper

152 100

151 24.1 16.2 24.2

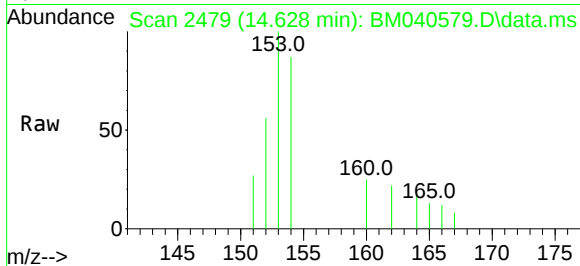
153 18.5 10.9 16.3#





#11
Acenaphthene
Concen: 0.046 ng/u1
RT: 14.628 min Scan# 2480
Delta R.T. -0.005 min
Lab File: BM040579.D
Acq: 03 Jul 2023 17:28

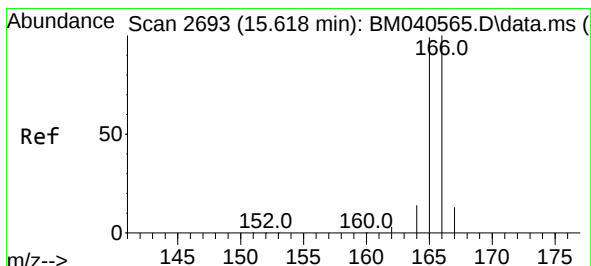
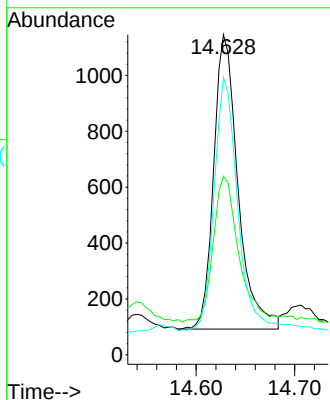
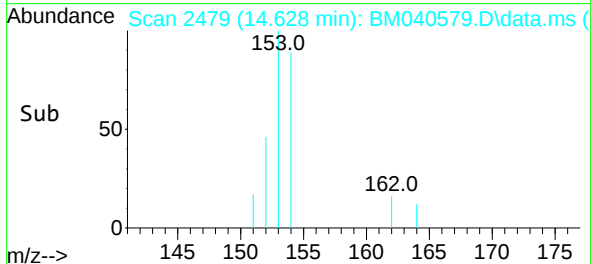
Instrument :
BNA_M
ClientSampleId :
DCFZ9DL



Tgt Ion:153 Resp: 181
Ion Ratio Lower Upper
153 100
152 55.8 41.0 61.4
154 86.6 70.8 106.2

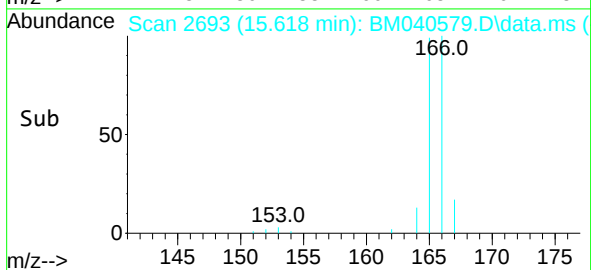
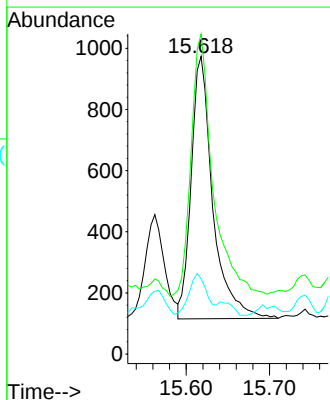
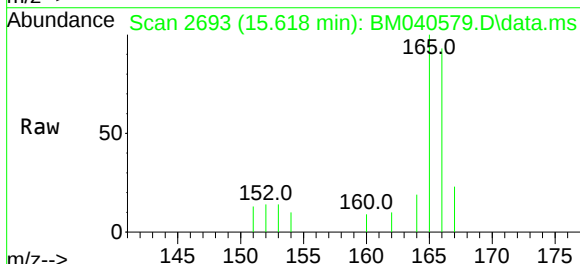
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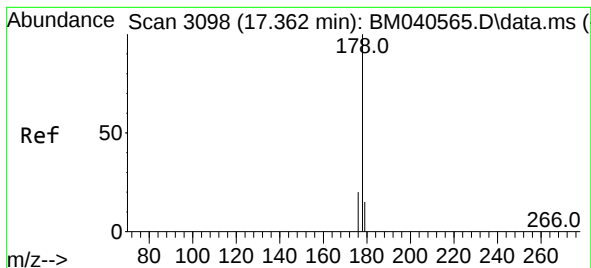
Reviewed By :Yogesh Patel 07/04/2023
Supervised By :Sohil Jodhani 07/04/2023



#12
Fluorene
Concen: 0.037 ng/u1
RT: 15.618 min Scan# 2693
Delta R.T. -0.000 min
Lab File: BM040579.D
Acq: 03 Jul 2023 17:28

Tgt Ion:166 Resp: 1544
Ion Ratio Lower Upper
166 100
165 107.5 79.6 119.4
167 25.3 11.4 17.0#





#15

Phenanthrene

Concen: 0.538 ng/ul

RT: 17.357 min Scan# 3098

Delta R.T. -0.005 min

Lab File: BM040579.D

Acq: 03 Jul 2023 17:28

Instrument :

BNA_M

ClientSampleId :

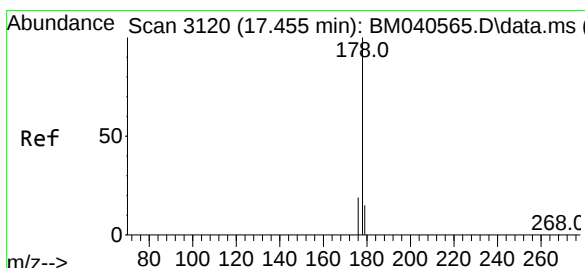
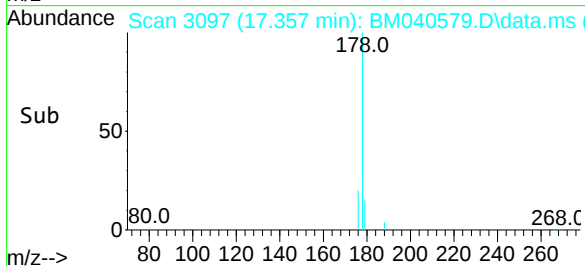
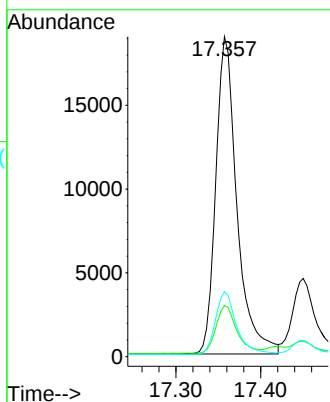
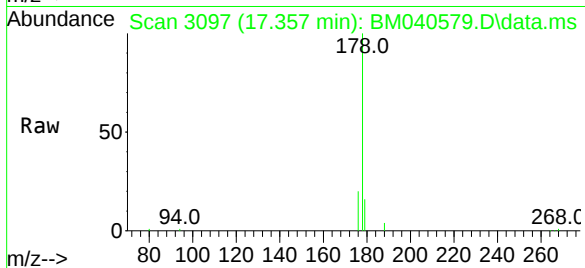
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Tgt Ion:	178	Resp:	32764
Ion Ratio	Lower	Upper	
178	100		
179	16.0	12.8	19.2
176	20.3	16.4	24.6

Manual Integrations

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Reviewed By :Yogesh Patel 07/04/2023
Supervised By :Sohil Jodhani 07/04/2023



#16

Anthracene

Concen: 0.165 ng/ul

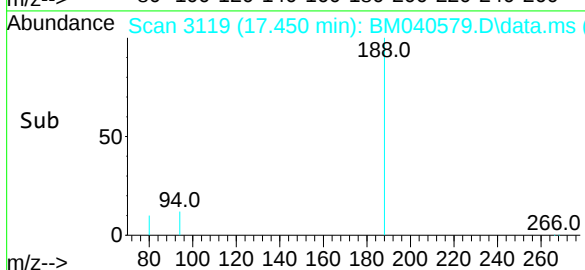
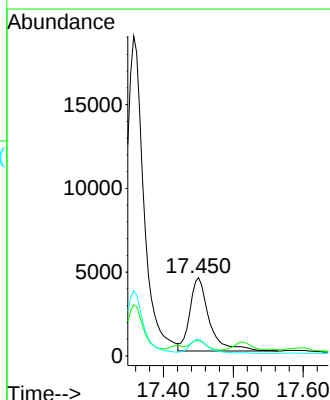
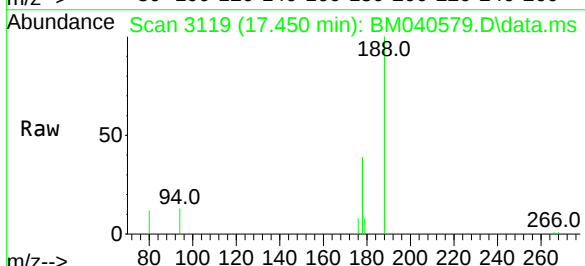
RT: 17.450 min Scan# 3119

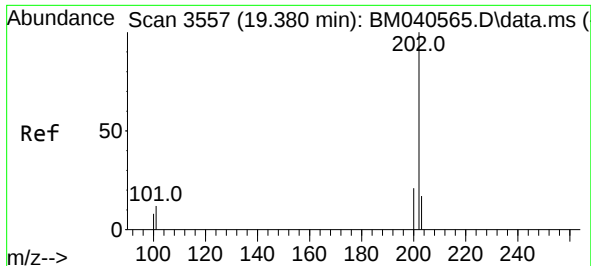
Delta R.T. -0.005 min

Lab File: BM040579.D

Acq: 03 Jul 2023 17:28

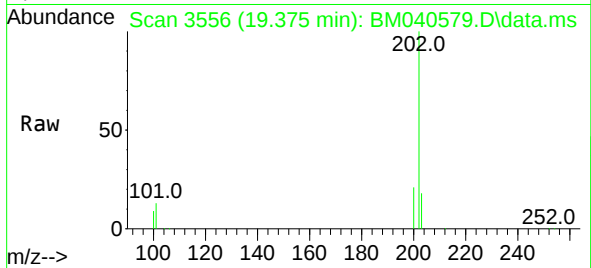
Tgt Ion:	178	Resp:	8428
Ion Ratio	Lower	Upper	
178	100		
179	19.8	12.9	19.3#
176	20.9	15.8	23.6





#19
Fluoranthene
Concen: 2.326 ng/ul
RT: 19.375 min Scan# 3556
Delta R.T. -0.005 min
Lab File: BM040579.D
Acq: 03 Jul 2023 17:28

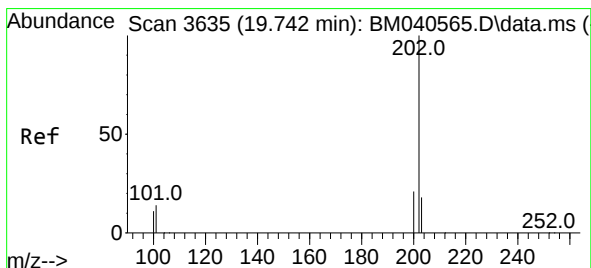
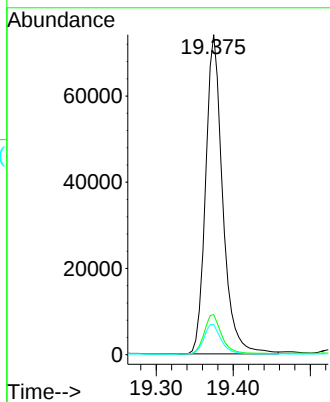
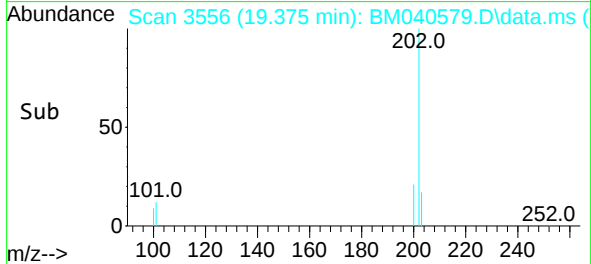
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DCFZ9DL



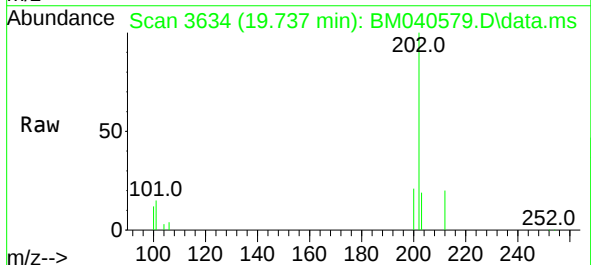
Tgt Ion:202 Resp: 113808
Ion Ratio Lower Upper
202 100
101 12.5 11.4 17.0
100 9.5 8.7 13.1

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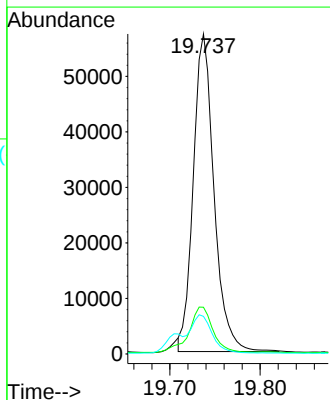
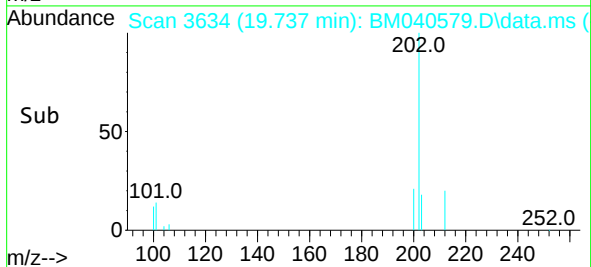
Reviewed By :Yogesh Patel 07/04/2023
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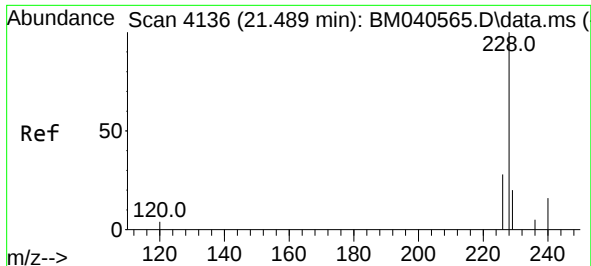


#20
Pyrene
Concen: 1.740 ng/ul m
RT: 19.737 min Scan# 3634
Delta R.T. -0.005 min
Lab File: BM040579.D
Acq: 03 Jul 2023 17:28



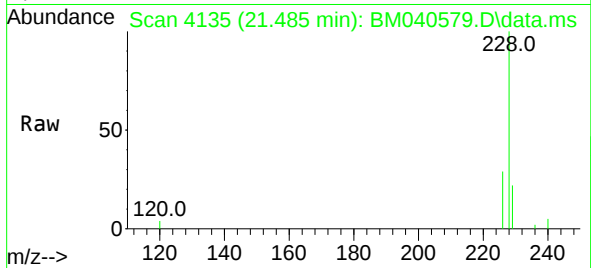
Tgt Ion:202 Resp: 91298
Ion Ratio Lower Upper
202 100
101 14.6 12.6 18.8
100 11.8 9.8 14.6





#21
Benzo(a)anthracene
Concen: 1.525 ng/ul
RT: 21.485 min Scan# 4135
Delta R.T. -0.003 min
Lab File: BM040579.D
Acq: 03 Jul 2023 17:28

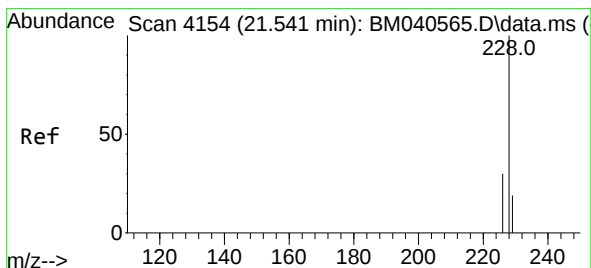
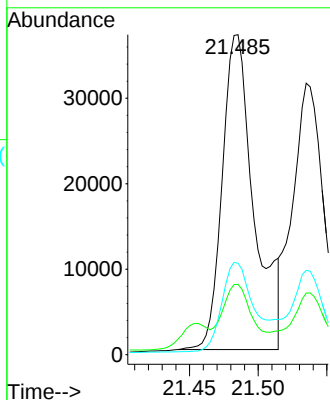
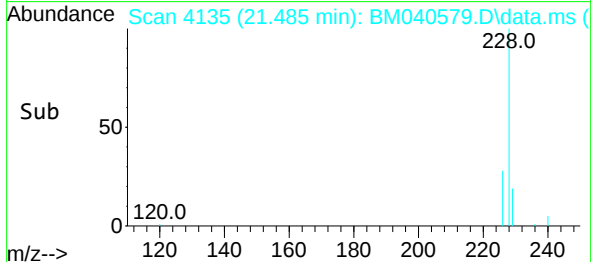
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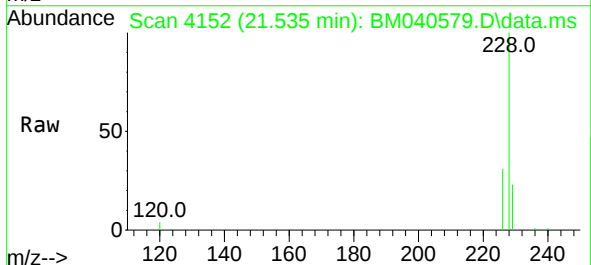
Tgt Ion:228 Resp: 5942
Ion Ratio Lower Upper
228 100
229 22.0 16.0 24.0
226 28.5 22.3 33.5

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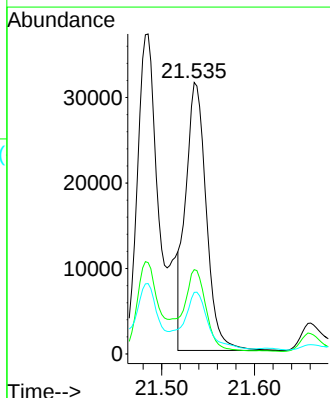
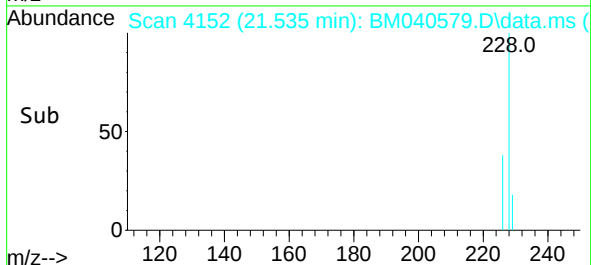
Reviewed By :Yogesh Patel 07/04/2023
Supervised By :Sohil Jodhani 07/04/2023

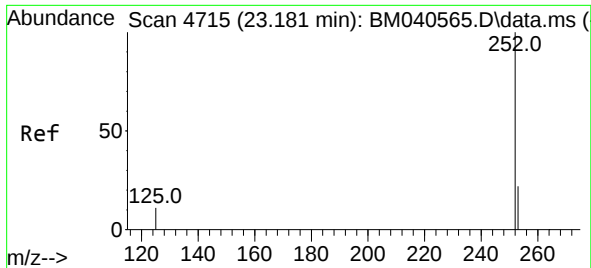


#22
Chrysene
Concen: 1.090 ng/ul
RT: 21.535 min Scan# 4152
Delta R.T. -0.006 min
Lab File: BM040579.D
Acq: 03 Jul 2023 17:28



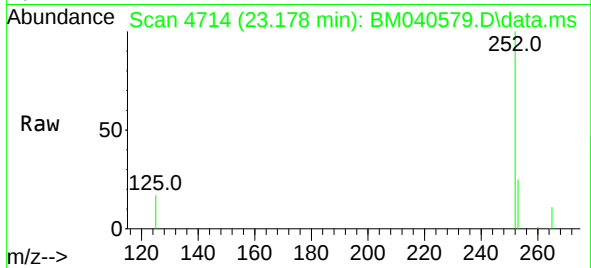
Tgt Ion:228 Resp: 48471
Ion Ratio Lower Upper
228 100
226 31.1 24.9 37.3
229 22.7 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 1.937 ng/ul
RT: 23.178 min Scan# 4714
Delta R.T. -0.003 min
Lab File: BM040579.D
Acq: 03 Jul 2023 17:28

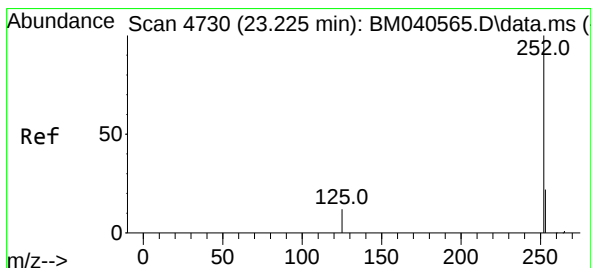
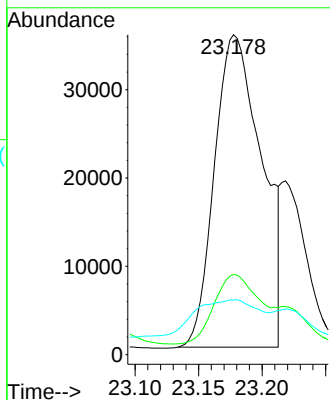
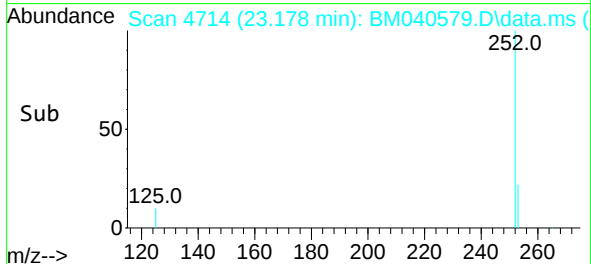
Instrument :
BNA_M
ClientSampleId :
DCFZ9DL



Tgt Ion:252 Resp: 9181
Ion Ratio Lower Upper
252 100
253 25.0 0.0 52.8
125 17.1 0.0 43.0

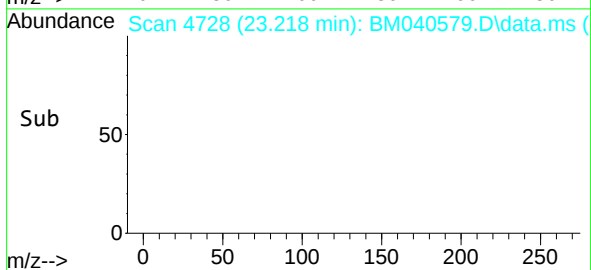
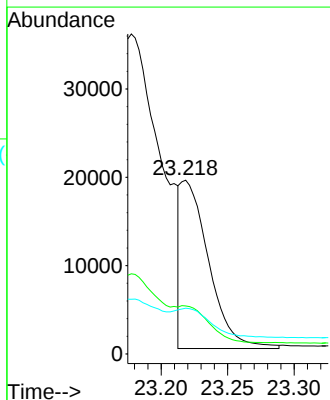
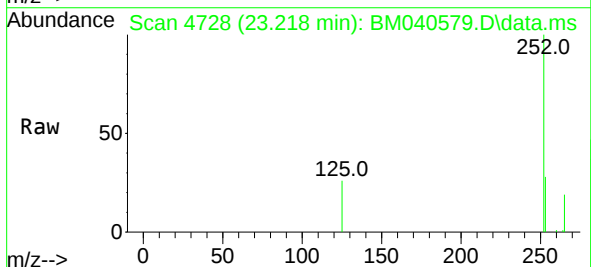
Manual Integrations
APPROVED

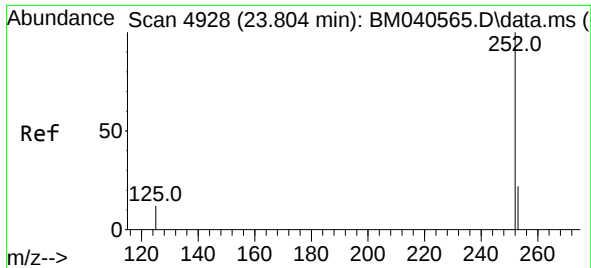
Reviewed By :Yogesh Patel 07/04/2023
Supervised By :Sohil Jodhani 07/04/2023



#25
Benzo(k)fluoranthene
Concen: 0.598 ng/ul m
RT: 23.218 min Scan# 4728
Delta R.T. -0.006 min
Lab File: BM040579.D
Acq: 03 Jul 2023 17:28

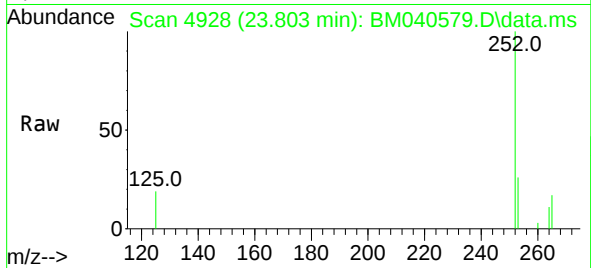
Tgt Ion:252 Resp: 27928
Ion Ratio Lower Upper
252 100
253 27.7 21.2 31.8
125 26.4 16.4 24.6#





#26
Benzo(a)pyrene
Concen: 1.243 ng/ul
RT: 23.803 min Scan# 4928
Delta R.T. -0.000 min
Lab File: BM040579.D
Acq: 03 Jul 2023 17:28

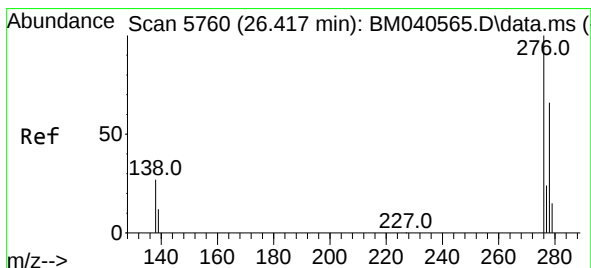
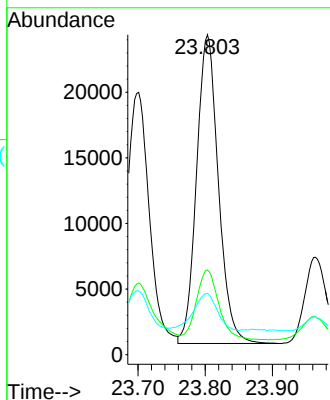
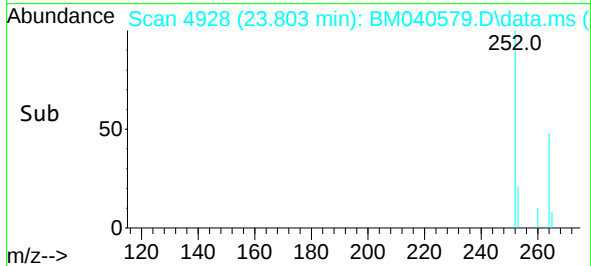
Instrument :
BNA_M
ClientSampleId :
DCFZ9DL



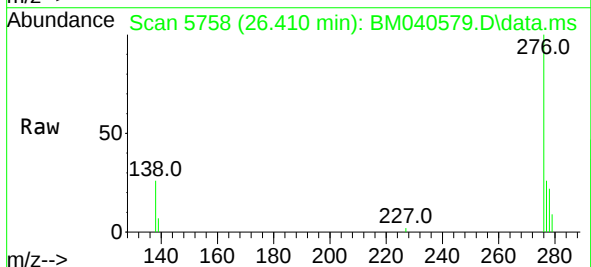
Tgt Ion:252 Resp: 53084
Ion Ratio Lower Upper
252 100
253 26.5 22.9 34.3
125 19.1 21.0 31.4

Manual Integrations
APPROVED

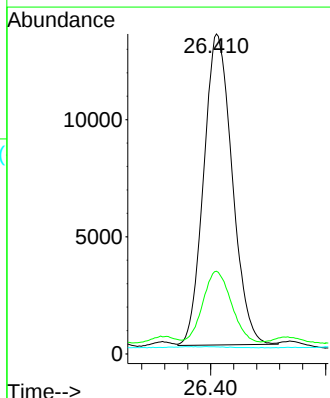
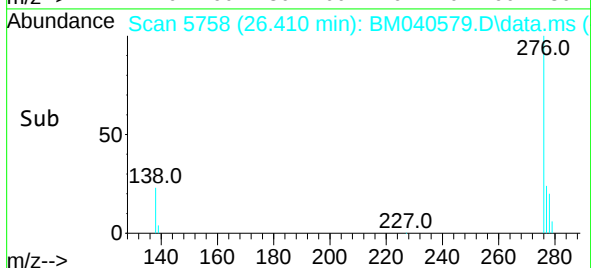
Reviewed By :Yogesh Patel 07/04/2023
Supervised By :Sohil Jodhani 07/04/2023

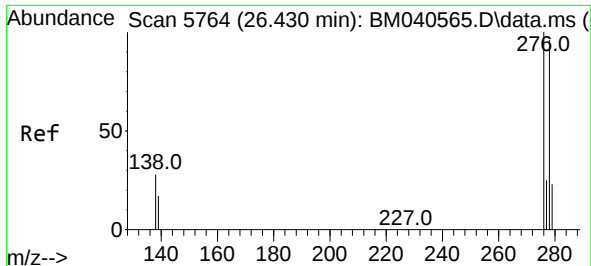


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.768 ng/ul
RT: 26.410 min Scan# 5758
Delta R.T. -0.007 min
Lab File: BM040579.D
Acq: 03 Jul 2023 17:28



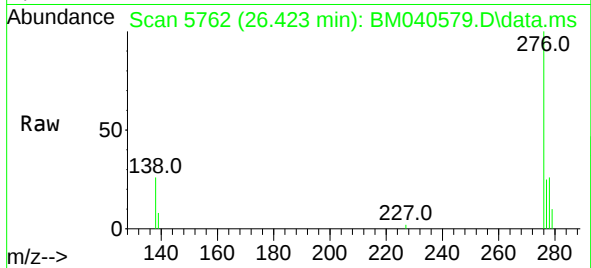
Tgt Ion:276 Resp: 45672
Ion Ratio Lower Upper
276 100
138 23.4 24.5 36.7#
227 0.0 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.235 ng/ul
RT: 26.423 min Scan# 5762
Delta R.T. -0.007 min
Lab File: BM040579.D
Acq: 03 Jul 2023 17:28

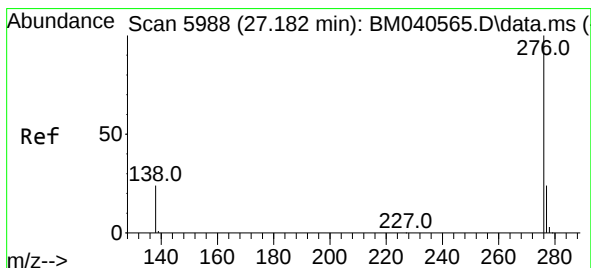
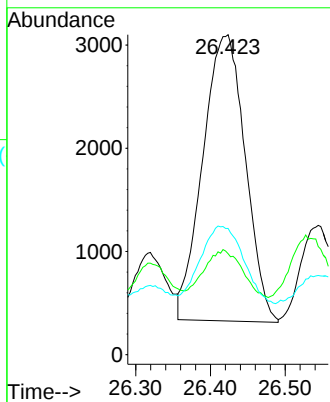
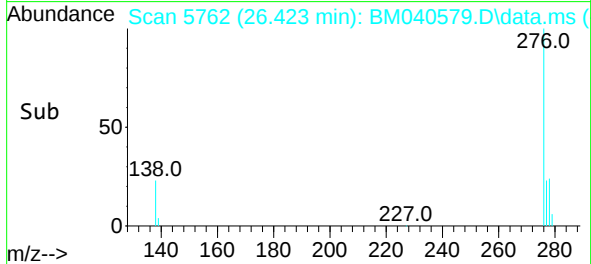
Instrument :
BNA_M
ClientSampleId :
DCFZ9DL



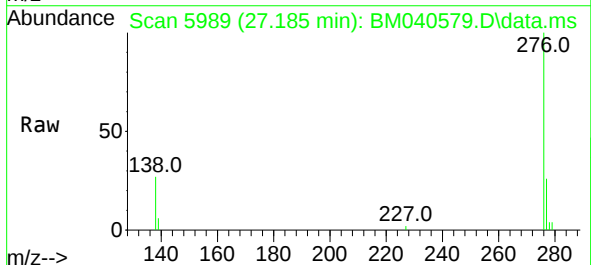
Tgt Ion:278 Resp: 1095
Ion Ratio Lower Upper
278 100
139 31.5 17.9 26.9
279 39.5 22.0 33.0

Manual Integrations
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Reviewed By :Yogesh Patel 07/04/2023
Supervised By :Sohil Jodhani 07/04/2023



#29
Benzo(g,h,i)perylene
Concen: 0.831 ng/ul
RT: 27.185 min Scan# 5989
Delta R.T. 0.003 min
Lab File: BM040579.D
Acq: 03 Jul 2023 17:28



Tgt Ion:276 Resp: 43337
Ion Ratio Lower Upper
276 100
138 27.5 23.0 34.6
277 25.6 20.3 30.5

