

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
 Data File : BM039772.D
 Acq On : 01 May 2023 11:54
 Operator : CG/JU
 Sample : 02417-08DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW8X4DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/02/2023
 Supervised By : Jagrut Upadhyay 05/02/2023

Quant Time: May 02 01:24:55 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 29 04:28:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	3279	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.605	136	12100	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.449	164	6974	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.203	188	14171	0.400	ng/ul	0.00
17) Chrysene-d12	21.403	240	11016	0.400	ng/ul	0.00
23) Perylene-d12	23.753	264	9863	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.188	96	2620	0.542	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.232	152	582	0.037	ng/ul	0.03
18) Fluoranthene-d10	19.237	212	1331	0.045	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.660	128	622	0.020	ng/ul#	54
7) 2-Methylnaphthalene	12.298	142	424	0.024	ng/ul	96
11) Acenaphthene	14.514	153	464	0.022	ng/ul	95
12) Fluorene	15.509	166	568	0.024	ng/ul#	93
15) Phenanthrene	17.245	178	12615	0.338	ng/ul	99
16) Anthracene	17.338	178	1948	0.061	ng/ul#	84
19) Fluoranthene	19.270	202	19333	0.492	ng/ul	99
20) Pyrene	19.628	202	17934	0.423	ng/ul	98
21) Benzo(a)anthracene	21.388	228	5775m	0.182	ng/ul	
22) Chrysene	21.441	228	8638m	0.241	ng/ul	
24) Benzo(b)fluoranthene	23.039	252	10176	0.294	ng/ul	77
25) Benzo(k)fluoranthene	23.083	252	2889m	0.082	ng/ul	
26) Benzo(a)pyrene	23.644	252	5728	0.184	ng/ul#	76
27) Indeno(1,2,3-cd)pyrene	26.184	276	4461	0.113	ng/ul#	88
28) Dibenzo(a,h)anthracene	26.191	278	949	0.031	ng/ul#	1
29) Benzo(g,h,i)perylene	26.929	276	3786	0.110	ng/ul#	86

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

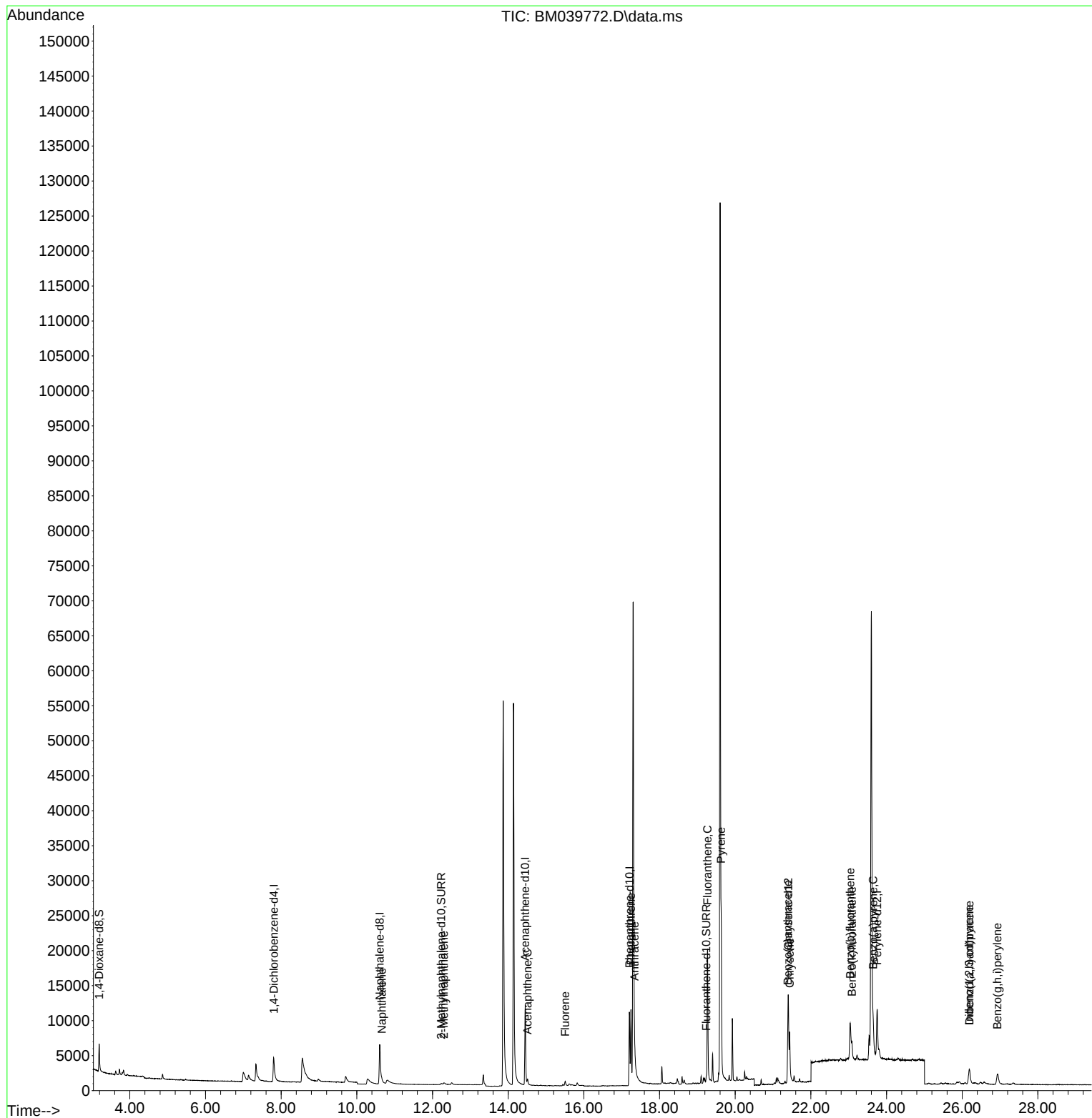
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
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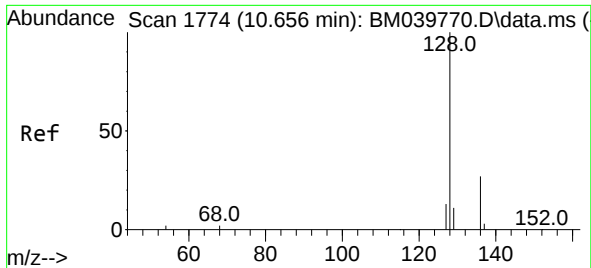
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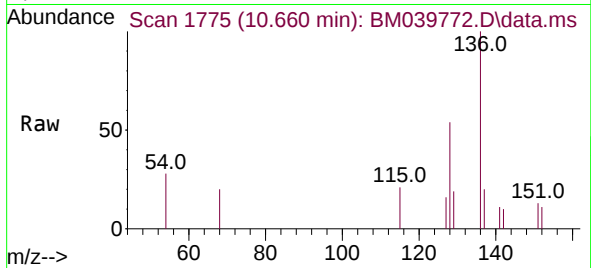
Quant Time: May 02 01:24:55 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 29 04:28:45 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.020 ng/ul
RT: 10.660 min Scan# 11
Delta R.T. 0.004 min
Lab File: BM039772.D
Acq: 01 May 2023 11:54

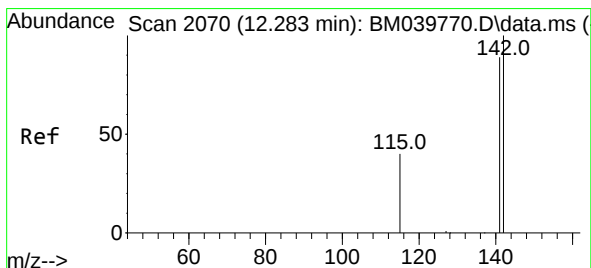
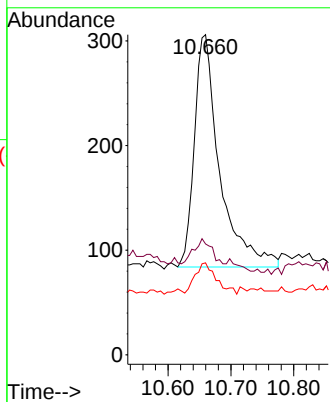
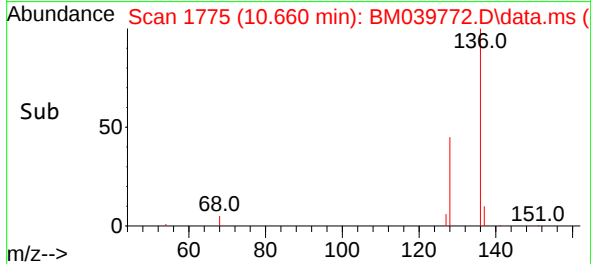
Instrument :
BNA_M
ClientSampleId :
EW8X4DL



Tgt Ion:128 Resp: 62
Ion Ratio Lower Upper
128 100
129 34.6 9.8 14.6
127 28.8 11.1 16.7

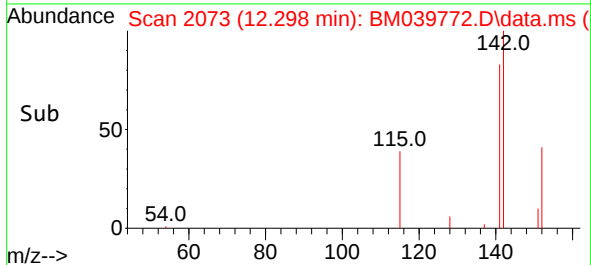
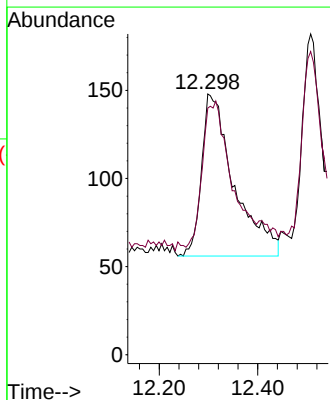
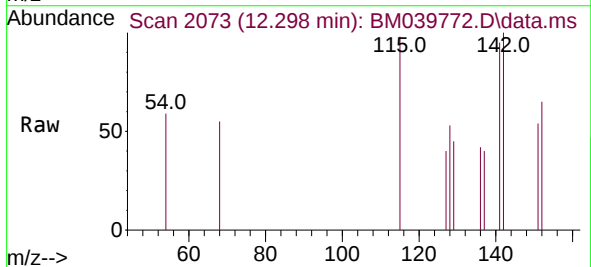
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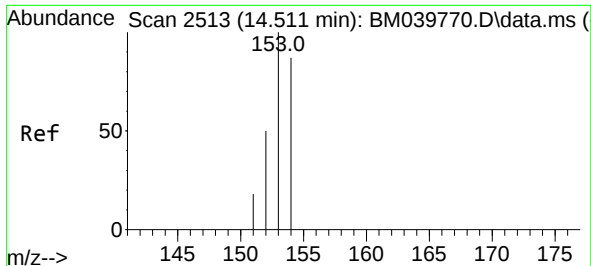
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#7
2-Methylnaphthalene
Concen: 0.024 ng/ul
RT: 12.298 min Scan# 2073
Delta R.T. 0.021 min
Lab File: BM039772.D
Acq: 01 May 2023 11:54

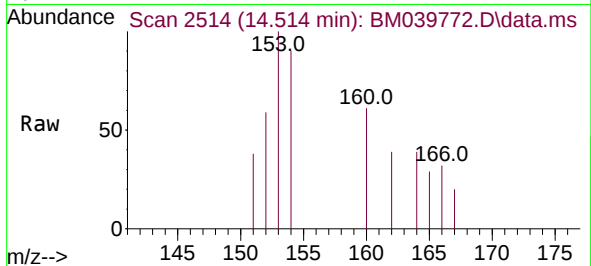
Tgt Ion:142 Resp: 424
Ion Ratio Lower Upper
142 100
141 87.7 73.2 109.8





#11
Acenaphthene
Concen: 0.022 ng/u1
RT: 14.514 min Scan# 2514
Delta R.T. 0.003 min
Lab File: BM039772.D
Acq: 01 May 2023 11:54

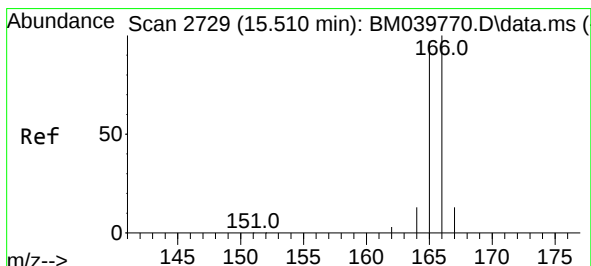
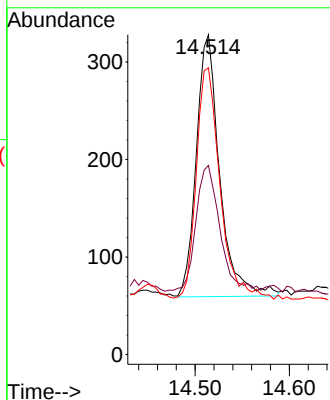
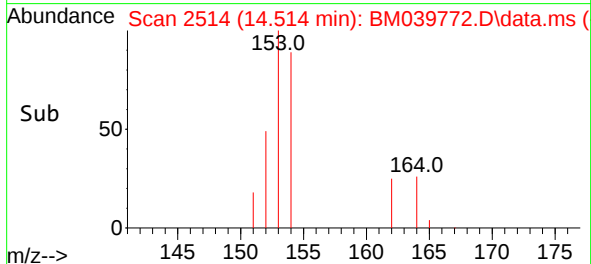
Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:153 Resp: 464
Ion Ratio Lower Upper
153 100
152 59.1 40.6 61.0
154 89.6 71.9 107.9

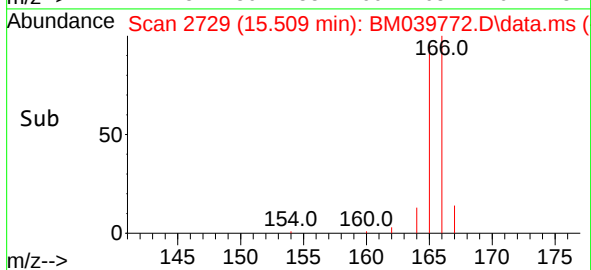
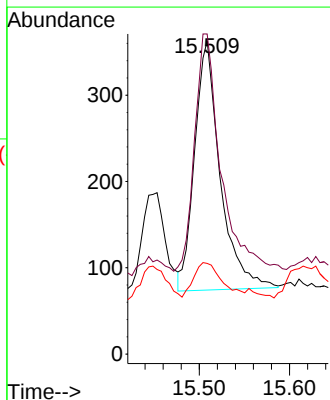
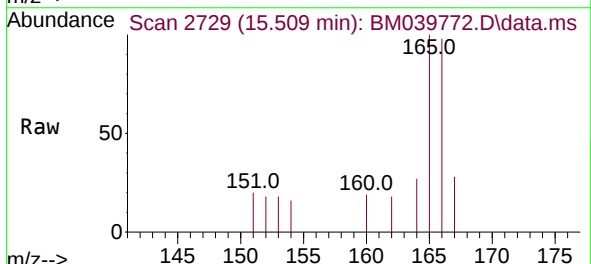
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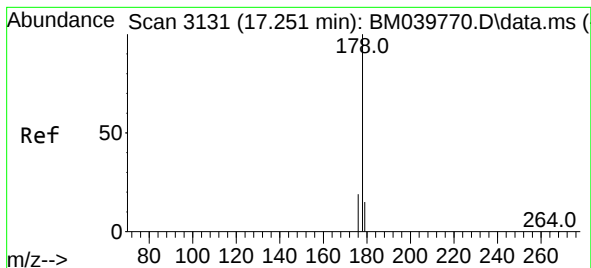
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#12
Fluorene
Concen: 0.024 ng/u1
RT: 15.509 min Scan# 2729
Delta R.T. -0.001 min
Lab File: BM039772.D
Acq: 01 May 2023 11:54

Tgt Ion:166 Resp: 568
Ion Ratio Lower Upper
166 100
165 102.2 79.0 118.6
167 28.9 11.8 17.6#





#15

Phenanthrene

Concen: 0.338 ng/ul

RT: 17.245 min Scan# 31

Delta R.T. -0.001 min

Lab File: BM039772.D

Acq: 01 May 2023 11:54

Instrument :

BNA_M

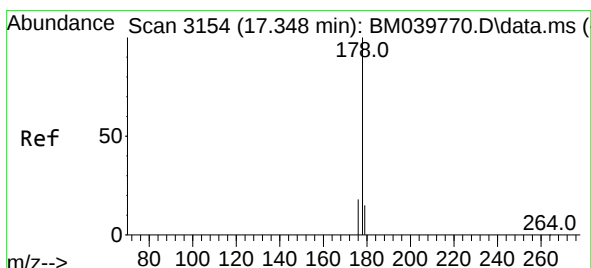
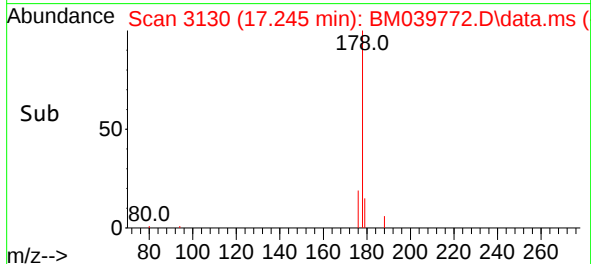
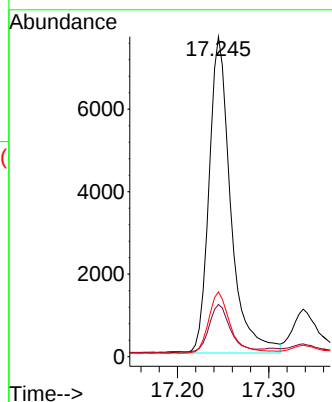
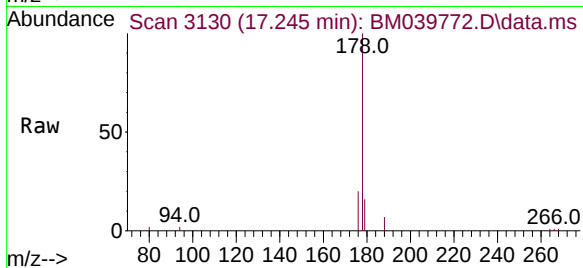
ClientSampleId :

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Tgt Ion:	178	Resp:	1261
Ion Ratio	Lower	Upper	
178	100		
179	16.3	13.0	19.6
176	20.2	15.8	23.8

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Supervised By :Jagrut Upadhyay 05/02/2023



#16

Anthracene

Concen: 0.061 ng/ul

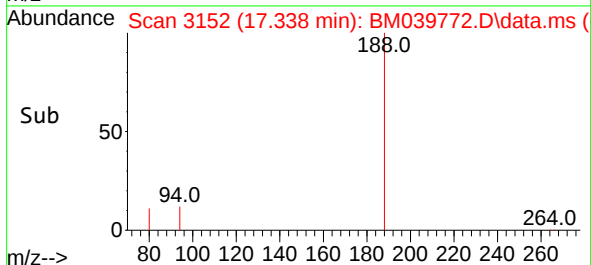
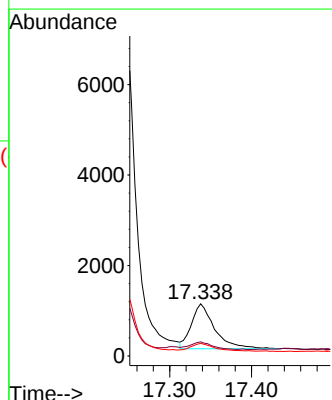
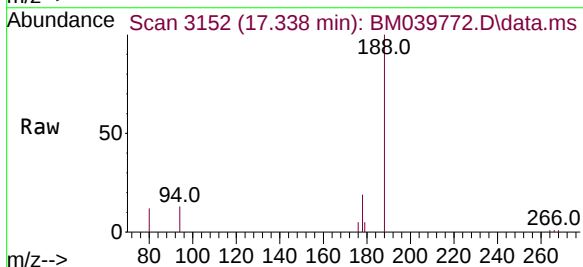
RT: 17.338 min Scan# 3152

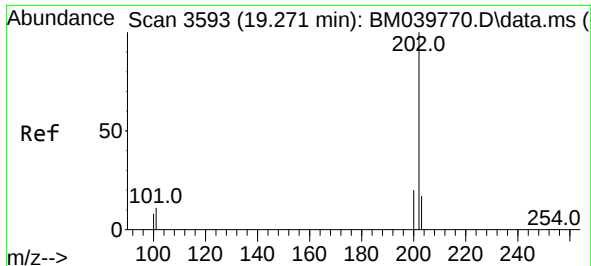
Delta R.T. -0.005 min

Lab File: BM039772.D

Acq: 01 May 2023 11:54

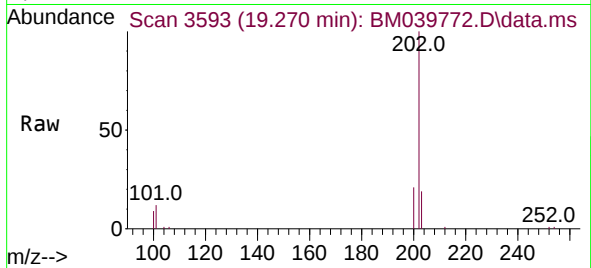
Tgt Ion:	178	Resp:	1948
Ion Ratio	Lower	Upper	
178	100		
179	27.0	13.8	20.6#
176	24.1	15.8	23.8#





#19
Fluoranthene
Concen: 0.492 ng/u1
RT: 19.270 min Scan# 3593
Delta R.T. 0.003 min
Lab File: BM039772.D
Acq: 01 May 2023 11:54

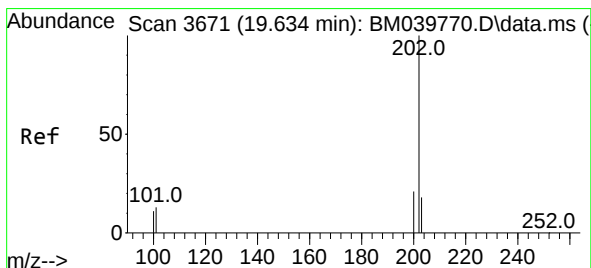
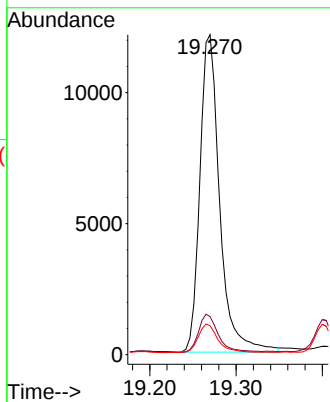
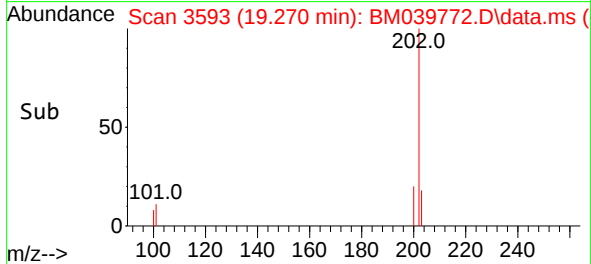
Instrument :
BNA_M
ClientSampleId :
EW8X4DL



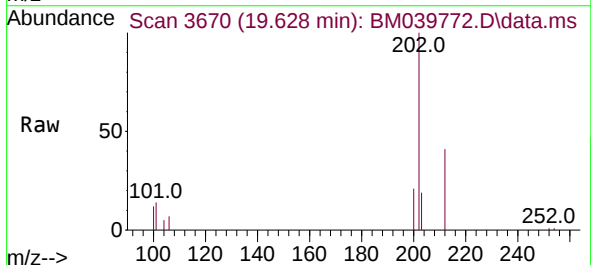
Tgt Ion:202 Resp: 1933
Ion Ratio Lower Upper
202 100
101 11.9 9.8 14.8
100 9.0 7.3 10.9

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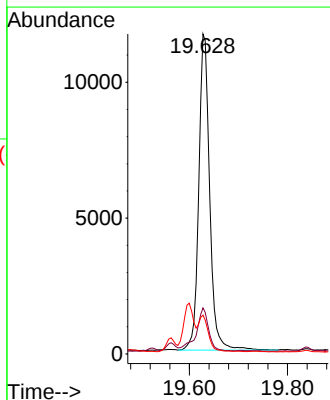
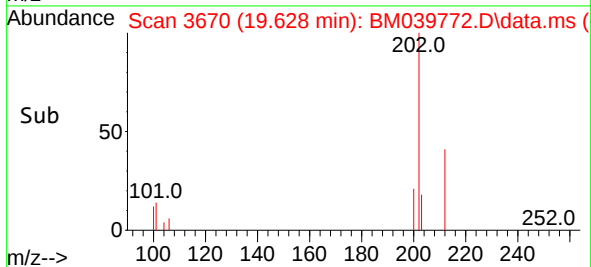
Reviewed By :Christian Giraldo 05/02/2023
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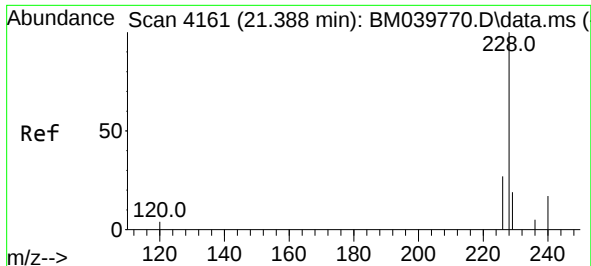


#20
Pyrene
Concen: 0.423 ng/u1
RT: 19.628 min Scan# 3670
Delta R.T. -0.006 min
Lab File: BM039772.D
Acq: 01 May 2023 11:54



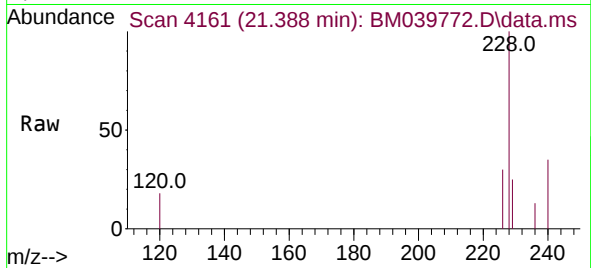
Tgt Ion:202 Resp: 17934
Ion Ratio Lower Upper
202 100
101 14.4 10.9 16.3
100 12.1 8.9 13.3





#21
Benzo(a)anthracene
Concen: 0.182 ng/ul m
RT: 21.388 min Scan# 4161
Delta R.T. 0.005 min
Lab File: BM039772.D
Acq: 01 May 2023 11:54

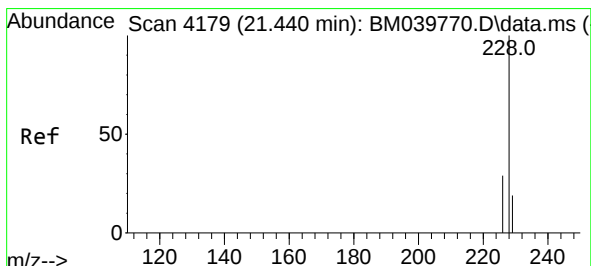
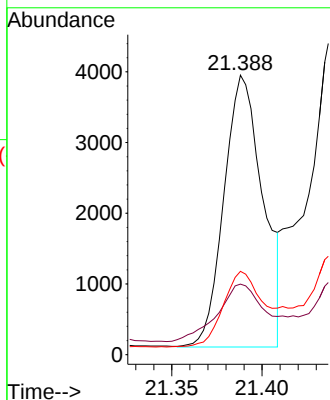
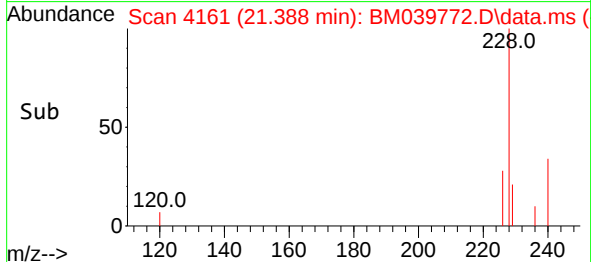
Instrument :
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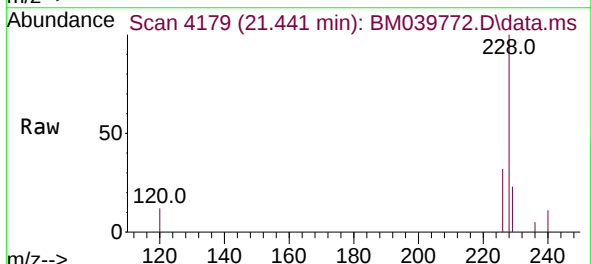
Tgt Ion:228 Resp: 5775
Ion Ratio Lower Upper
228 100
229 25.2 16.2 24.2
226 29.8 21.6 32.4

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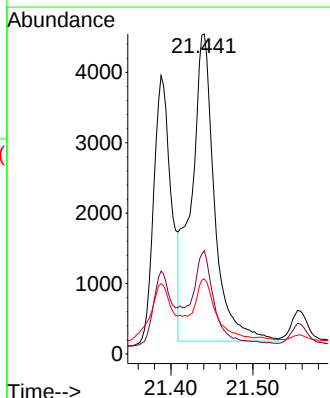
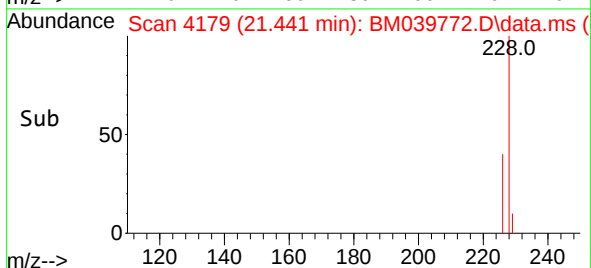
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

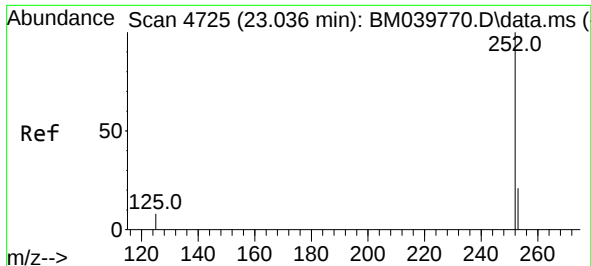


#22
Chrysene
Concen: 0.241 ng/ul m
RT: 21.441 min Scan# 4179
Delta R.T. 0.005 min
Lab File: BM039772.D
Acq: 01 May 2023 11:54



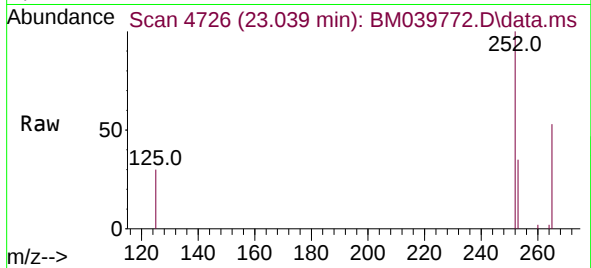
Tgt Ion:228 Resp: 8638
Ion Ratio Lower Upper
228 100
226 32.3 24.3 36.5
229 23.5 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 0.294 ng/ul
RT: 23.039 min Scan# 4725
Delta R.T. 0.008 min
Lab File: BM039772.D
Acq: 01 May 2023 11:54

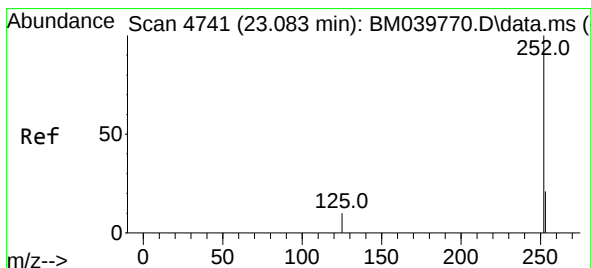
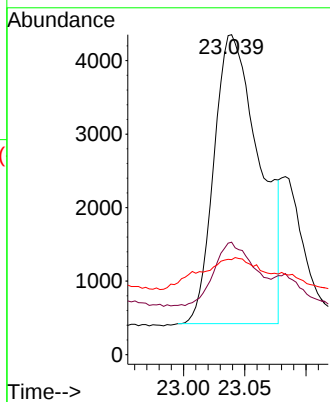
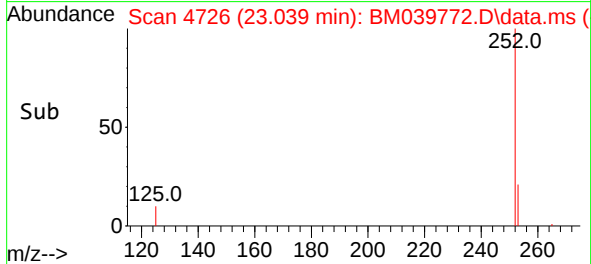
Instrument :
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Tgt Ion:252 Resp: 10170
Ion Ratio Lower Upper
252 100
253 35.1 0.0 52.8
125 29.7 0.0 31.6

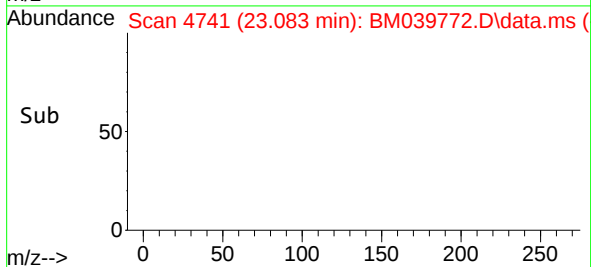
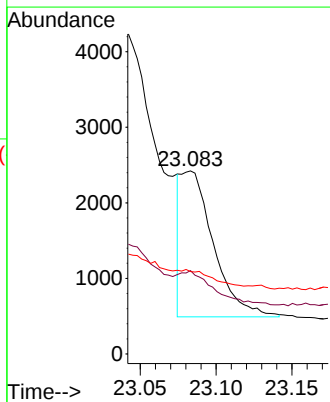
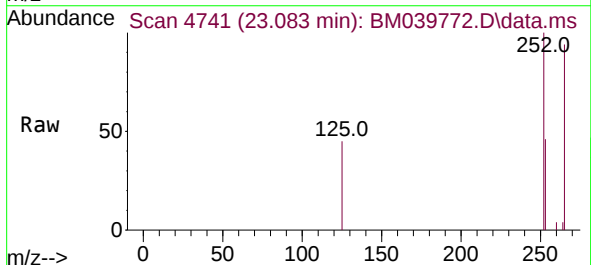
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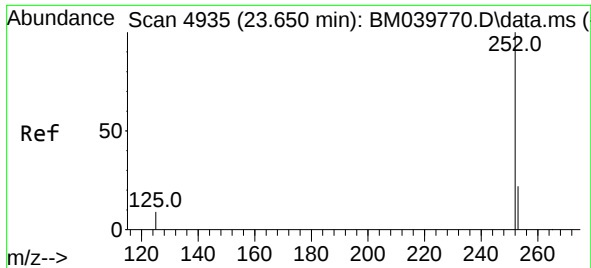
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#25
Benzo(k)fluoranthene
Concen: 0.082 ng/ul m
RT: 23.083 min Scan# 4741
Delta R.T. 0.005 min
Lab File: BM039772.D
Acq: 01 May 2023 11:54

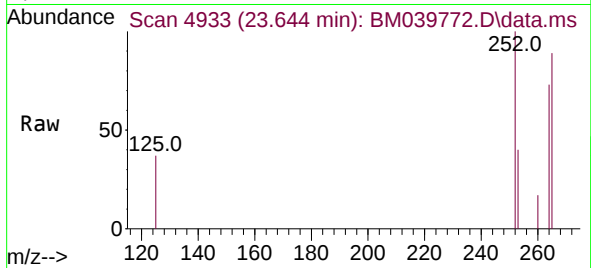
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Ion Ratio Lower Upper
252 100
253 45.6 21.3 31.9#
125 45.0 13.0 19.6#





#26
Benzo(a)pyrene
Concen: 0.184 ng/ul
RT: 23.644 min Scan# 4933
Delta R.T. 0.002 min
Lab File: BM039772.D
Acq: 01 May 2023 11:54

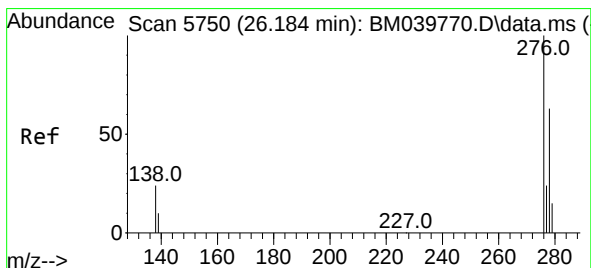
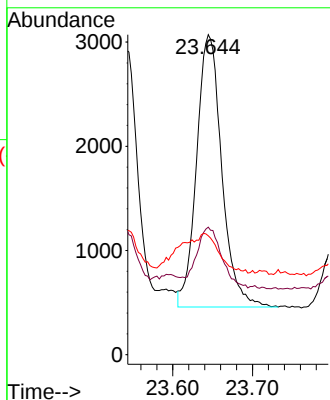
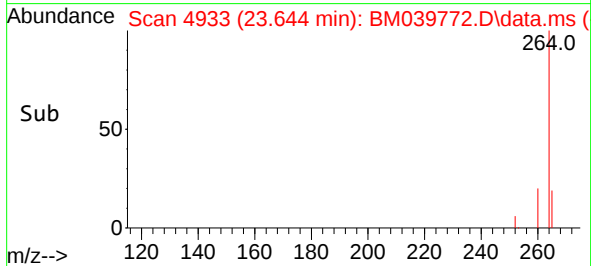
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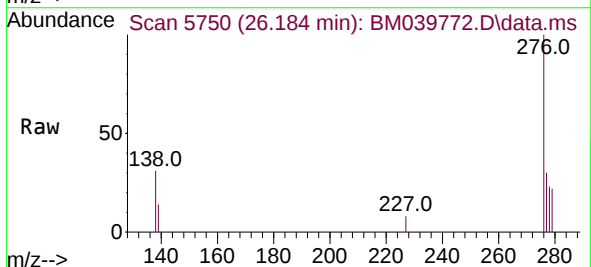
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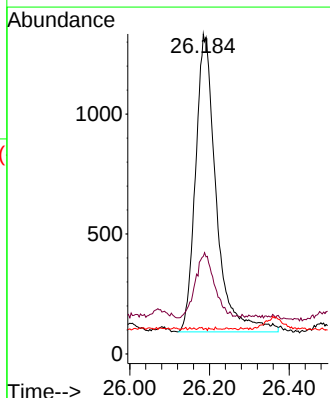
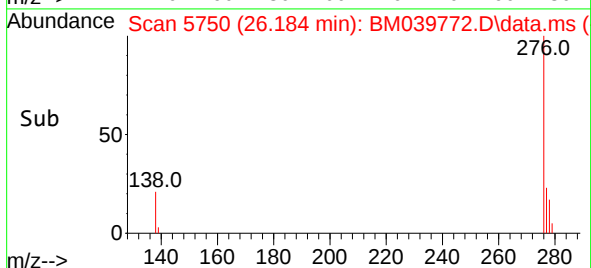
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

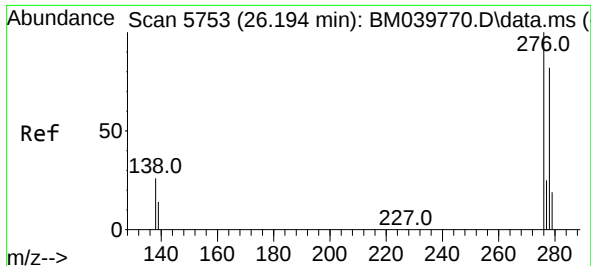


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.113 ng/ul
RT: 26.184 min Scan# 5750
Delta R.T. 0.005 min
Lab File: BM039772.D
Acq: 01 May 2023 11:54



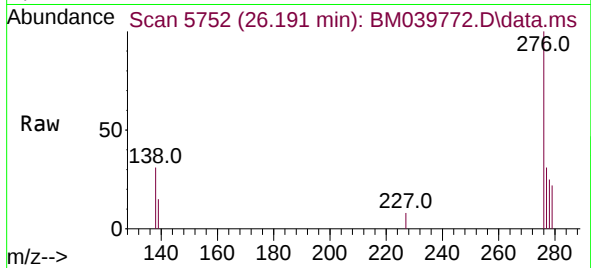
Tgt Ion:276 Resp: 4461
Ion Ratio Lower Upper
276 100
138 20.3 21.1 31.7#
227 0.3 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.031 ng/ul
RT: 26.191 min Scan# 51
Delta R.T. 0.002 min
Lab File: BM039772.D
Acq: 01 May 2023 11:54

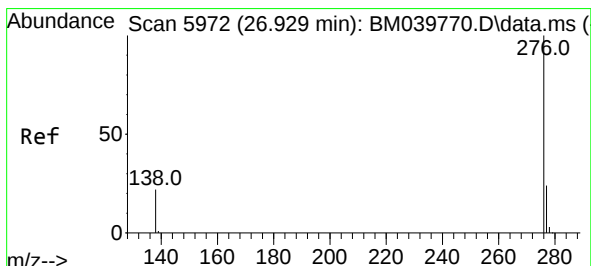
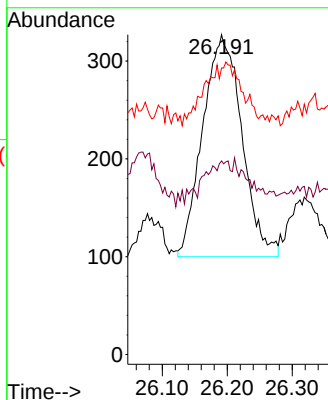
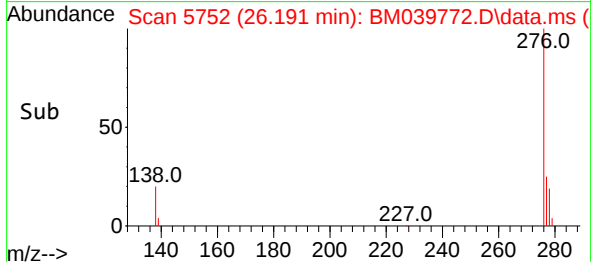
Instrument :
BNA_M
ClientSampleId :
EW8X4DL



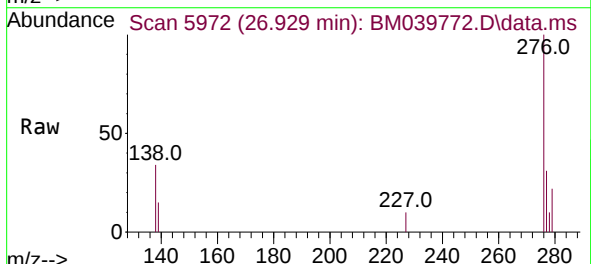
Tgt Ion:278 Resp: 949
Ion Ratio Lower Upper
278 100
139 60.6 17.0 25.6
279 89.6 23.4 35.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#29
Benzo(g,h,i)perylene
Concen: 0.110 ng/ul
RT: 26.929 min Scan# 5972
Delta R.T. 0.009 min
Lab File: BM039772.D
Acq: 01 May 2023 11:54



Tgt Ion:276 Resp: 3786
Ion Ratio Lower Upper
276 100
138 33.8 20.1 30.1#
277 30.9 20.1 30.1#

