

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050223\
 Data File : BM039808.D
 Acq On : 02 May 2023 18:43
 Operator : CG/JU
 Sample : 02419-29MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW925MS

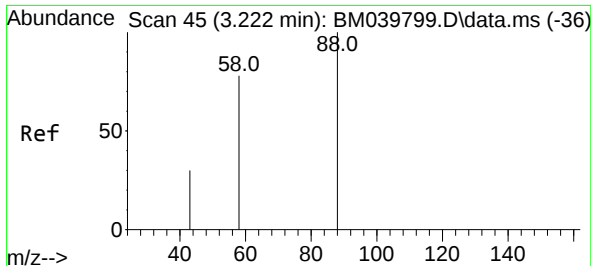
Manual Integrations
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Reviewed By : Christian Giraldo 05/03/2023
 Supervised By : Jagrut Upadhyay 05/04/2023

Quant Time: May 03 04:16:58 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 : Tue May 02 18:41:11 2023
 Response via : Initial Calibration

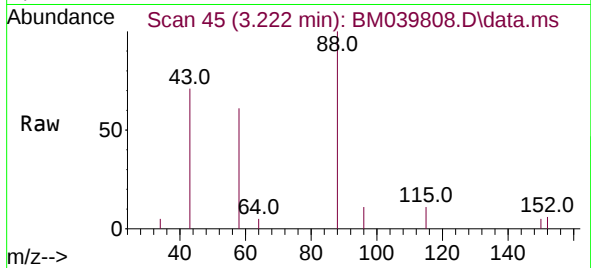
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.791	152	3139	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.595	136	9821	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.451	164	5455	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.204	188	19996	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.410	240	7445	0.400	ng/ul	# 0.00
23) Perylene-d12	23.771	264	9356	0.400	ng/ul	# 0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.188	96	871	0.188	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.190	152	1883	0.149	ng/ul	-0.01
18) Fluoranthene-d10	19.243	212	3554	0.177	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.222	88	2130	0.444	ng/ul#	60
5) Naphthalene	10.644	128	21287	0.863	ng/ul	99
7) 2-Methylnaphthalene	12.267	142	14608	1.026	ng/ul	95
8) 1-Methylnaphthalene	12.487	142	9688	0.635	ng/ul	100
10) Acenaphthylene	14.173	152	44017	2.085	ng/ul	99
11) Acenaphthene	14.511	153	14518	0.875	ng/ul	98
12) Fluorene	15.505	166	17750	0.965	ng/ul	99
14) Pentachlorophenol	16.879	266	555	0.127	ng/ul#	60
15) Phenanthrene	17.246	178	256195	4.863	ng/ul	99
16) Anthracene	17.339	178	71472	1.580	ng/ul	99
19) Fluoranthene	19.276	202	512527	19.296	ng/ul	98
20) Pyrene	19.638	202	495976	17.292	ng/ul	100
21) Benzo(a)anthracene	21.392	228	298785	13.958	ng/ul	97
22) Chrysene	21.445	228	324743	13.406	ng/ul	96
24) Benzo(b)fluoranthene	23.055	252	567767m	17.280	ng/ul	
25) Benzo(k)fluoranthene	23.096	252	200661m	5.998	ng/ul	
26) Benzo(a)pyrene	23.669	252	383877	13.013	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	26.223	276	413112	11.075	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.219	278	104766	3.619	ng/ul#	91
29) Benzo(g,h,i)perylene	26.984	276	511557	15.738	ng/ul	98

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



#2
1,4-Dioxane
Concen: 0.444 ng/ul
RT: 3.222 min Scan# 45
Delta R.T. 0.000 min
Lab File: BM039808.D
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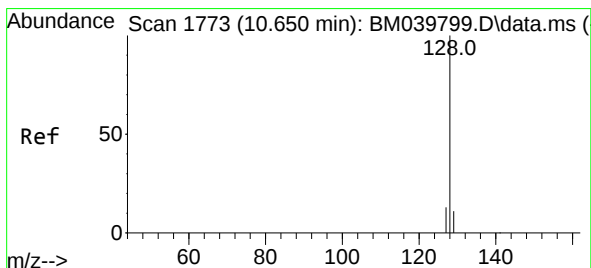
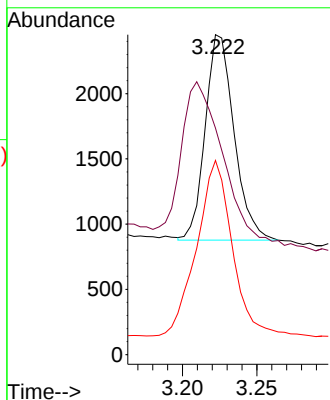
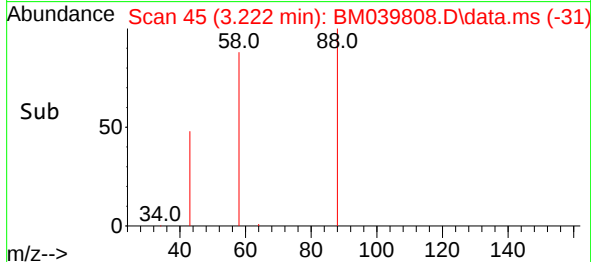
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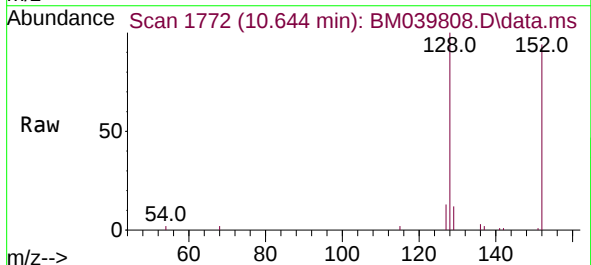
Tgt Ion: 88 Resp: 2130
Ion Ratio Lower Upper
88 100
43 70.8 102.6 153.8
58 60.7 40.6 61.0

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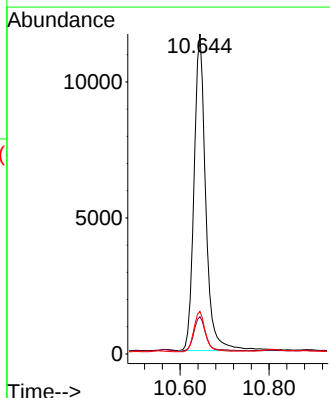
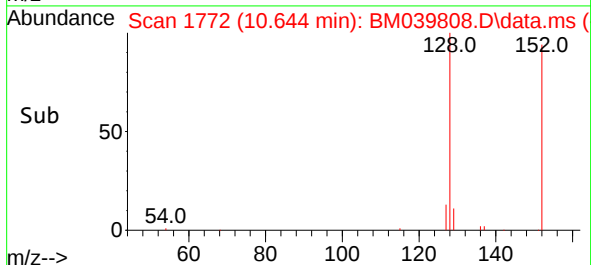
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023

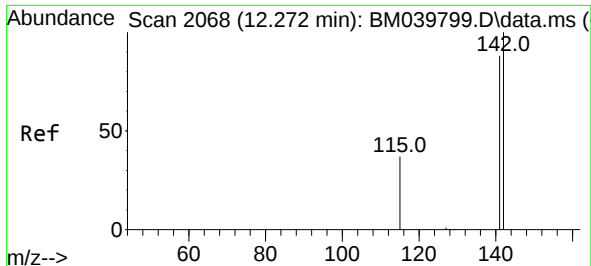


#5
Naphthalene
Concen: 0.863 ng/ul
RT: 10.644 min Scan# 1772
Delta R.T. -0.005 min
Lab File: BM039808.D
Acq: 02 May 2023 18:43



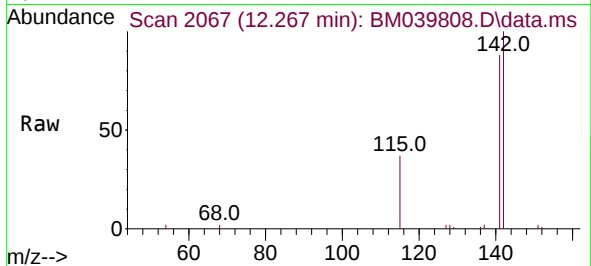
Tgt Ion:128 Resp: 21287
Ion Ratio Lower Upper
128 100
129 11.7 9.8 14.6
127 13.3 11.1 16.7





#7
2-Methylnaphthalene
Concen: 1.026 ng/ul
RT: 12.267 min Scan# 2067
Delta R.T. -0.005 min
Lab File: BM039808.D
Acq: 02 May 2023 18:43

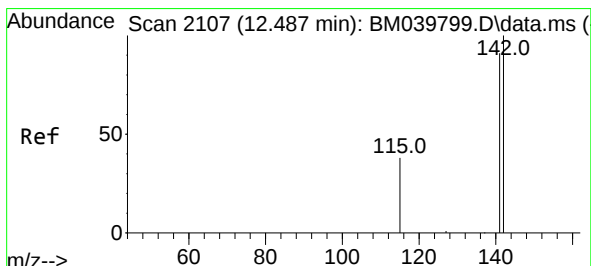
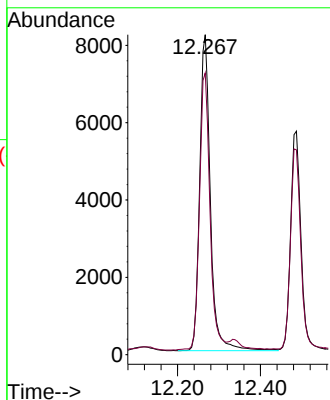
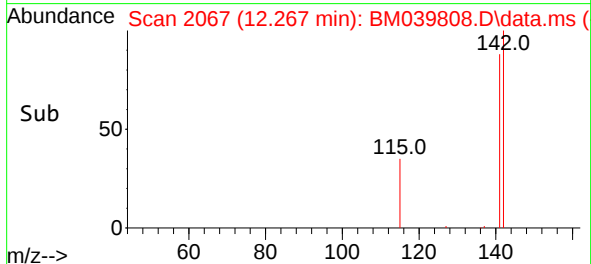
Instrument :
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ClientSampleId :
EW925MS



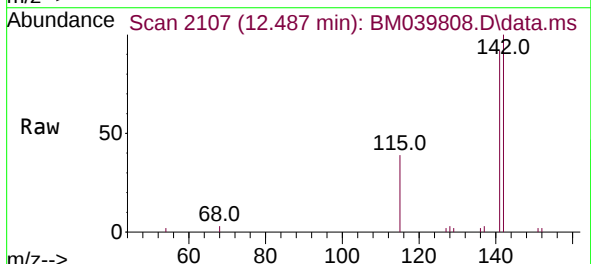
Tgt Ion:142 Resp: 14608
Ion Ratio Lower Upper
142 100
141 86.5 73.2 109.8

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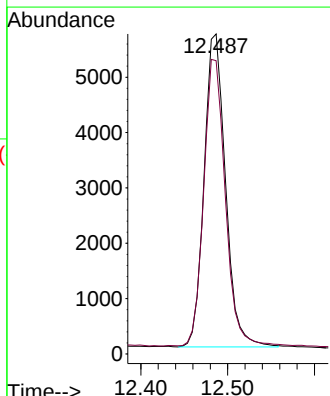
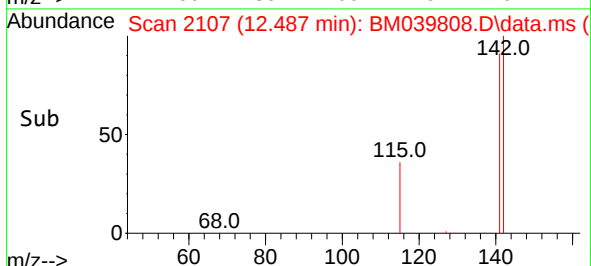
Reviewed By :Christian Giraldo 05/03/2023
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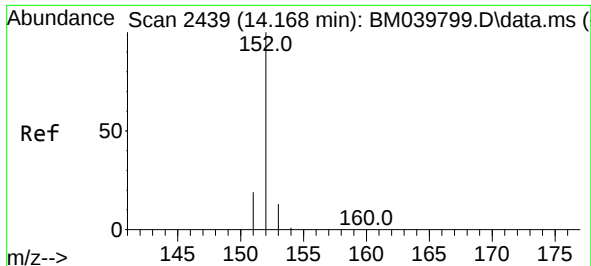


#8
1-Methylnaphthalene
Concen: 0.635 ng/ul
RT: 12.487 min Scan# 2107
Delta R.T. 0.000 min
Lab File: BM039808.D
Acq: 02 May 2023 18:43



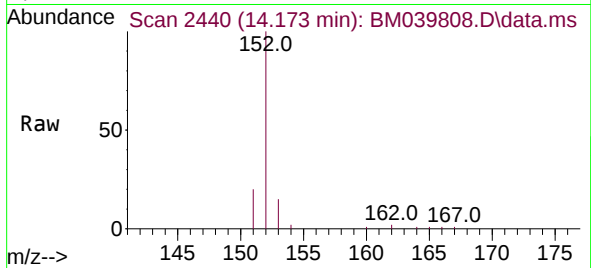
Tgt Ion:142 Resp: 9688
Ion Ratio Lower Upper
142 100
141 92.3 73.4 110.2





#10
Acenaphthylene
Concen: 2.085 ng/u1
RT: 14.173 min Scan# 2439
Delta R.T. 0.005 min
Lab File: BM039808.D
Acq: 02 May 2023 18:43

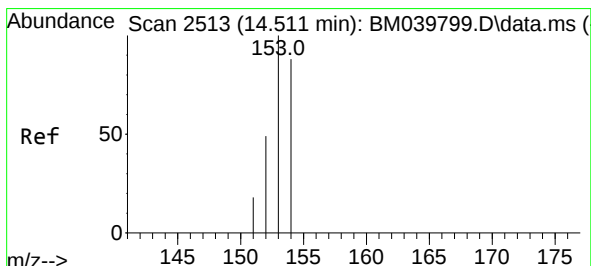
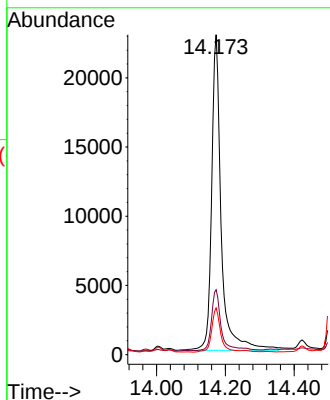
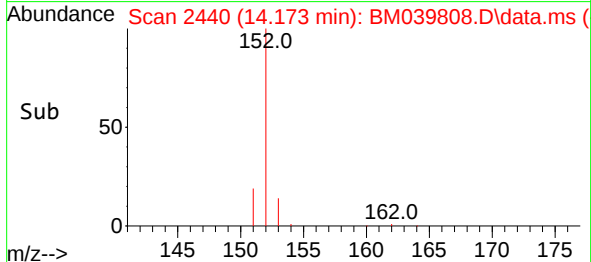
Instrument :
BNA_M
ClientSampleId :
EW925MS



Tgt Ion:152 Resp: 4401
Ion Ratio Lower Upper
152 100
151 20.3 16.0 24.0
153 14.6 11.2 16.8

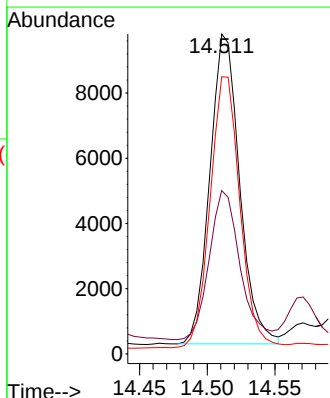
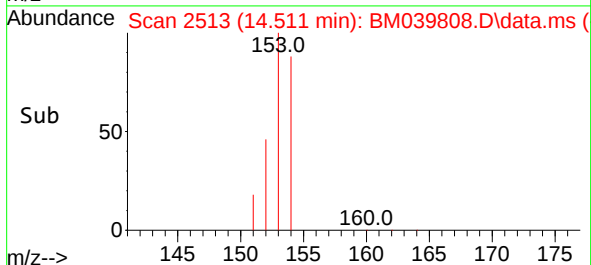
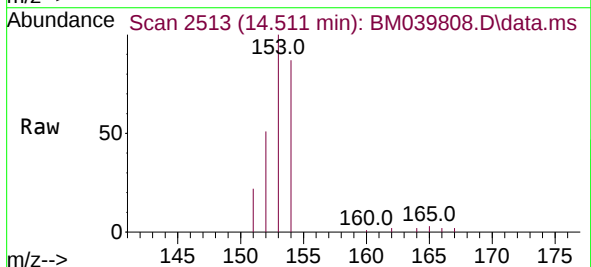
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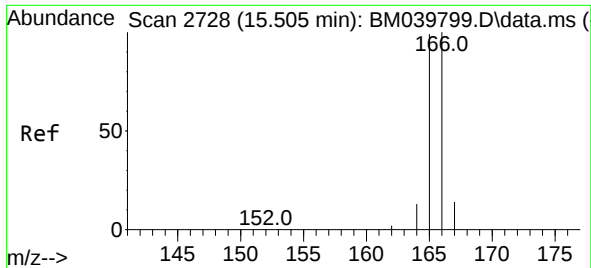
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#11
Acenaphthene
Concen: 0.875 ng/u1
RT: 14.511 min Scan# 2513
Delta R.T. 0.000 min
Lab File: BM039808.D
Acq: 02 May 2023 18:43

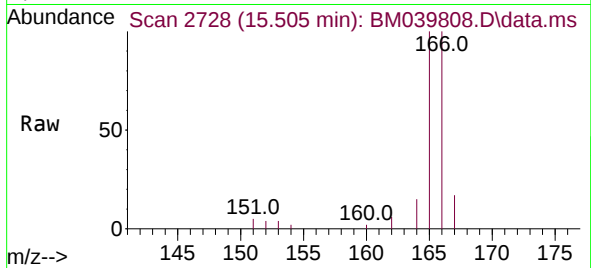
Tgt Ion:153 Resp: 14518
Ion Ratio Lower Upper
153 100
152 51.0 40.6 61.0
154 86.6 71.9 107.9





#12
Fluorene
Concen: 0.965 ng/ul
RT: 15.505 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM039808.D
Acq: 02 May 2023 18:43

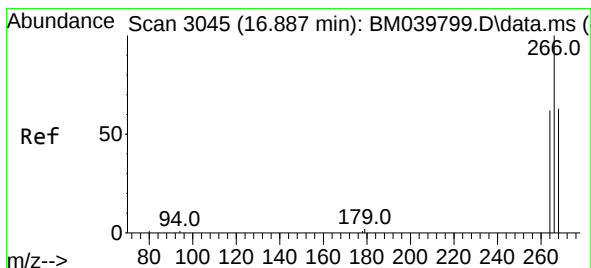
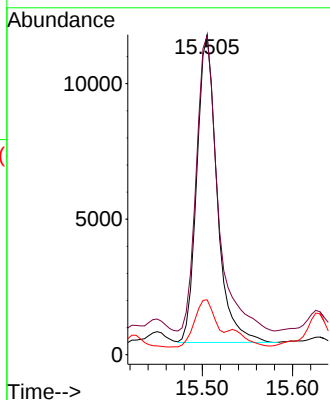
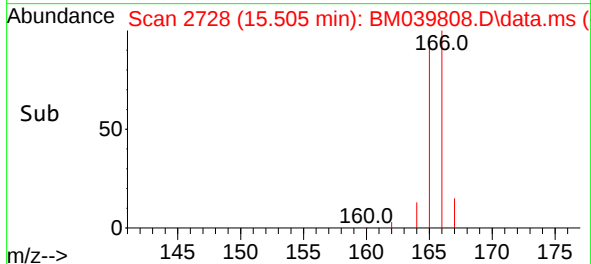
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ClientSampleId :
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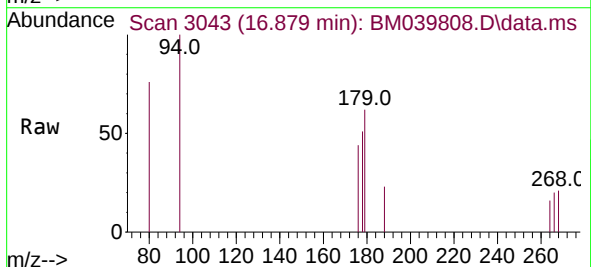
Tgt Ion:166 Resp: 17750
Ion Ratio Lower Upper
166 100
165 99.6 79.0 118.6
167 17.1 11.8 17.6

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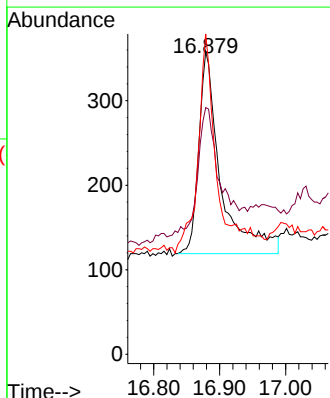
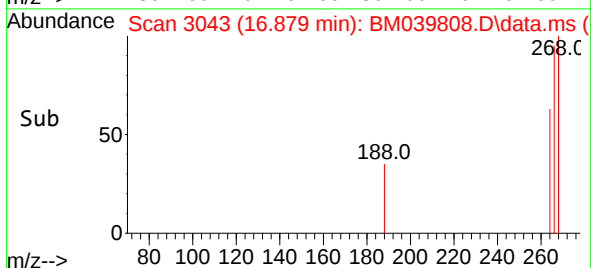
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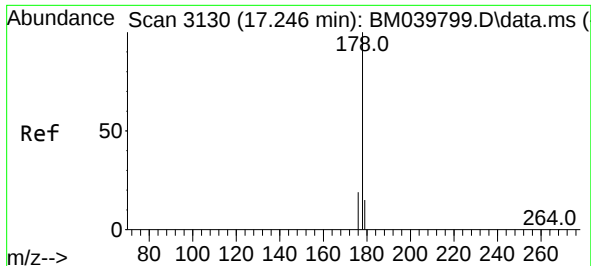


#14
Pentachlorophenol
Concen: 0.127 ng/ul
RT: 16.879 min Scan# 3043
Delta R.T. -0.008 min
Lab File: BM039808.D
Acq: 02 May 2023 18:43



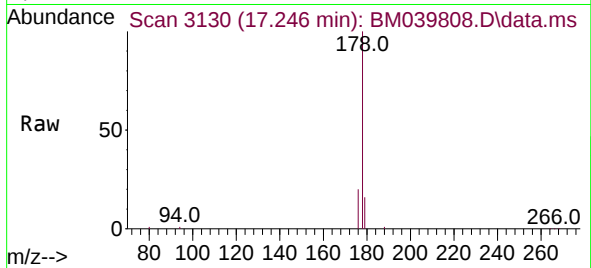
Tgt Ion:266 Resp: 555
Ion Ratio Lower Upper
266 100
264 92.1 48.8 73.2#
268 93.9 50.4 75.6#





#15
Phenanthrene
Concen: 4.863 ng/ul
RT: 17.246 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM039808.D
Acq: 02 May 2023 18:43

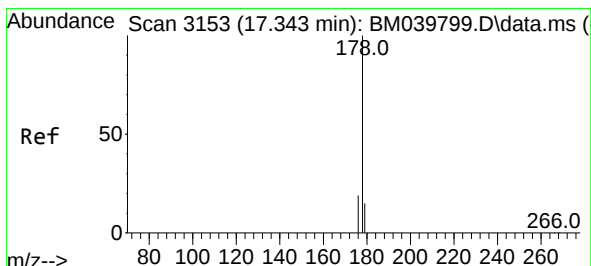
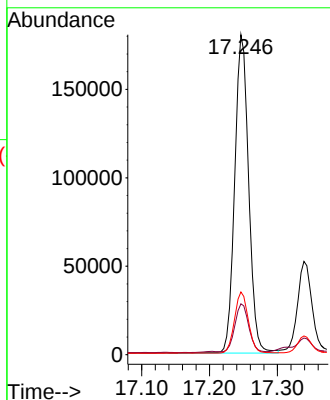
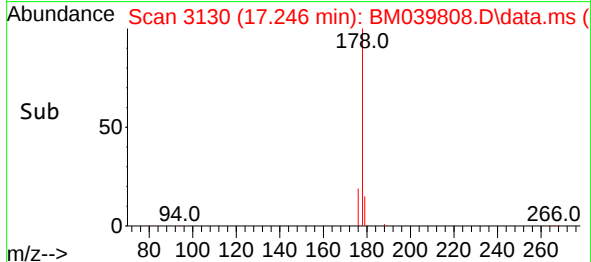
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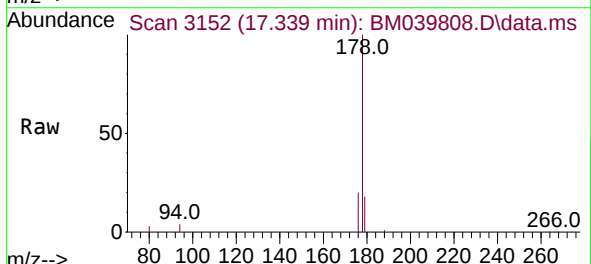
Tgt Ion:178 Resp: 25619
Ion Ratio Lower Upper
178 100
179 15.9 13.0 19.6
176 19.6 15.8 23.8

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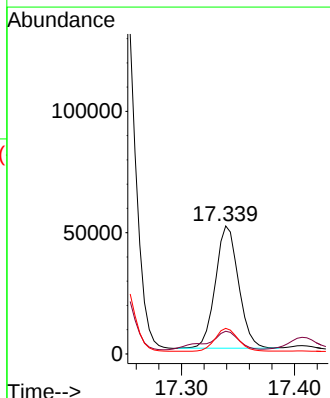
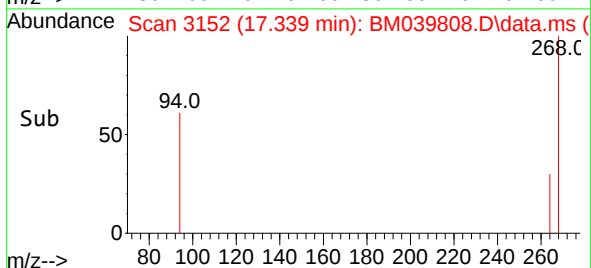
Reviewed By :Christian Giraldo 05/03/2023
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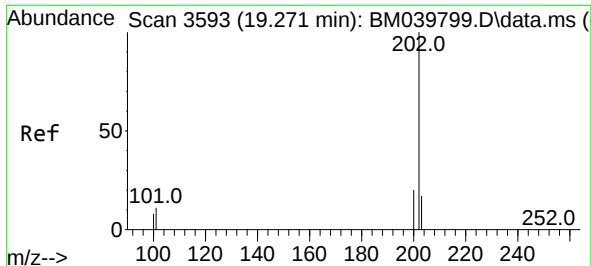


#16
Anthracene
Concen: 1.580 ng/ul
RT: 17.339 min Scan# 3152
Delta R.T. -0.004 min
Lab File: BM039808.D
Acq: 02 May 2023 18:43



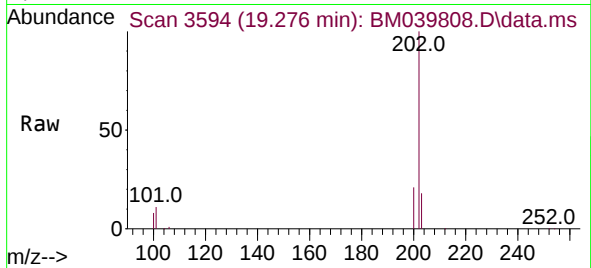
Tgt Ion:178 Resp: 71472
Ion Ratio Lower Upper
178 100
179 17.8 13.8 20.6
176 20.0 15.8 23.8





#19
Fluoranthene
Concen: 19.296 ng/u1
RT: 19.276 min Scan# 3594
Delta R.T. 0.005 min
Lab File: BM039808.D
Acq: 02 May 2023 18:43

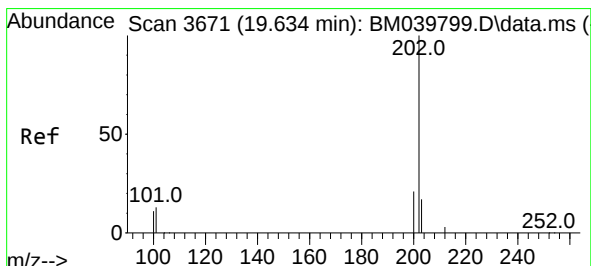
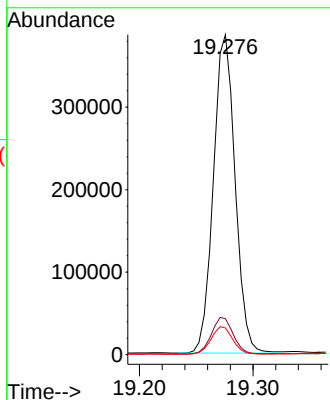
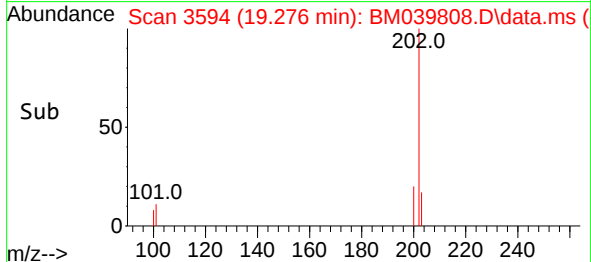
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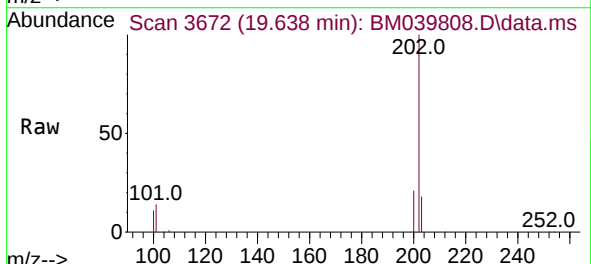
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Ion Ratio Lower Upper
202 100
101 11.3 9.8 14.8
100 8.4 7.3 10.9

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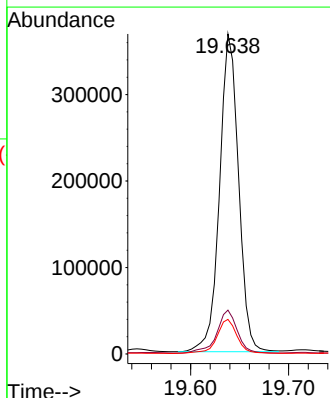
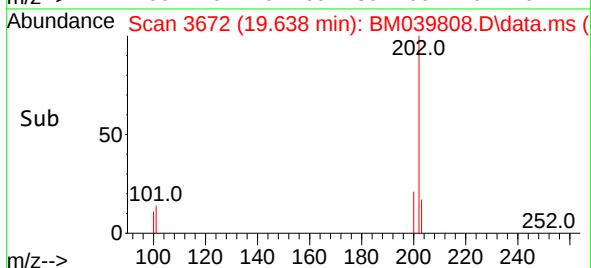
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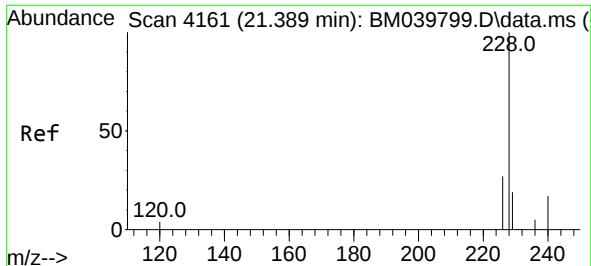


#20
Pyrene
Concen: 17.292 ng/u1
RT: 19.638 min Scan# 3672
Delta R.T. 0.005 min
Lab File: BM039808.D
Acq: 02 May 2023 18:43



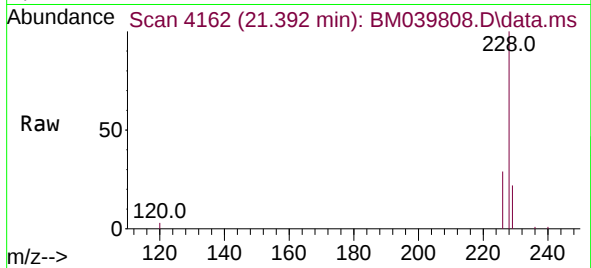
Tgt Ion:202 Resp: 495976
Ion Ratio Lower Upper
202 100
101 13.7 10.9 16.3
100 10.8 8.9 13.3





#21
Benzo(a)anthracene
Concen: 13.958 ng/u1
RT: 21.392 min Scan# 4162
Delta R.T. 0.003 min
Lab File: BM039808.D
Acq: 02 May 2023 18:43

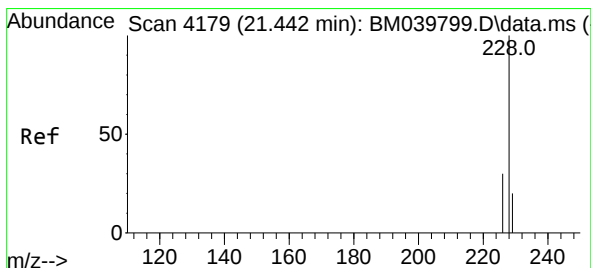
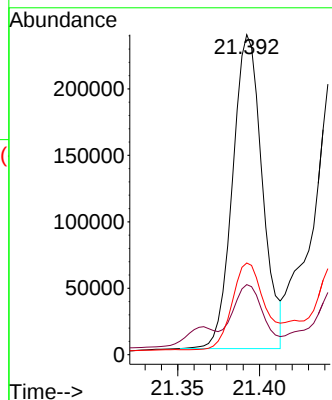
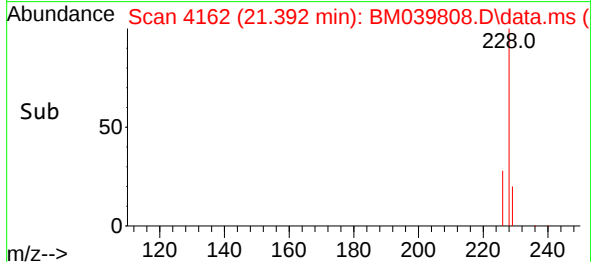
Instrument :
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ClientSampleId :
EW925MS



Tgt Ion:228 Resp: 298785
Ion Ratio Lower Upper
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229 21.9 16.2 24.2
226 28.6 21.6 32.4

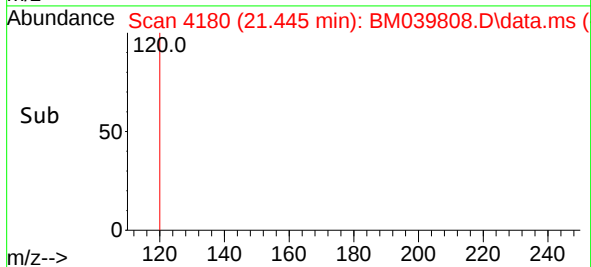
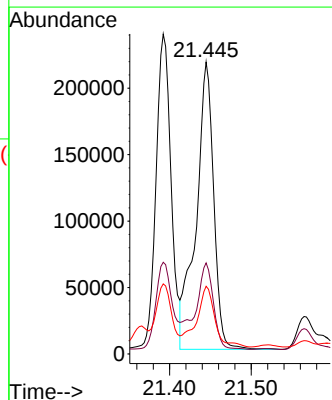
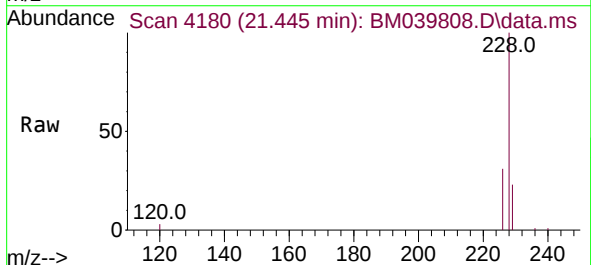
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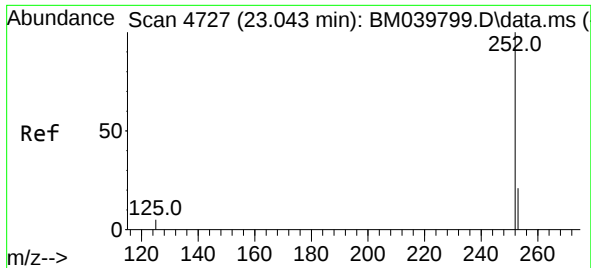
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#22
Chrysene
Concen: 13.406 ng/u1
RT: 21.445 min Scan# 4180
Delta R.T. 0.003 min
Lab File: BM039808.D
Acq: 02 May 2023 18:43

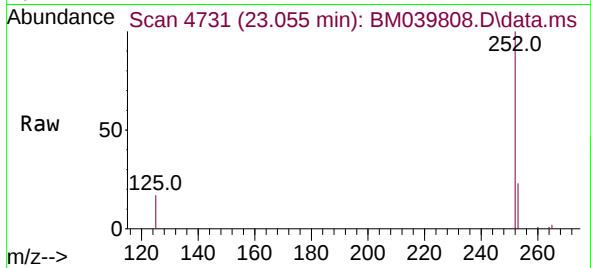
Tgt Ion:228 Resp: 324743
Ion Ratio Lower Upper
228 100
226 31.2 24.3 36.5
229 23.2 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 17.280 ng/ul m
RT: 23.055 min Scan# 4731
Delta R.T. 0.012 min
Lab File: BM039808.D
Acq: 02 May 2023 18:43

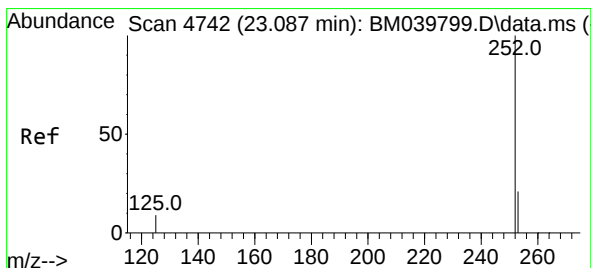
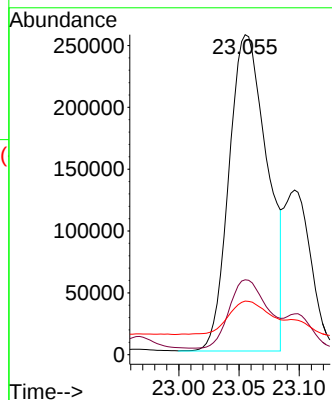
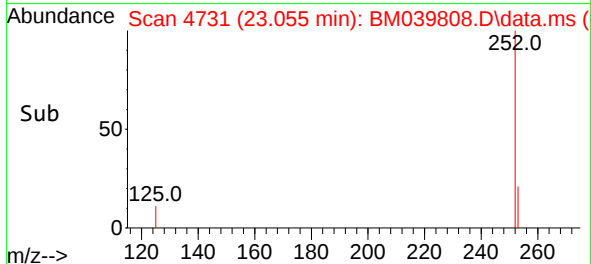
Instrument :
BNA_M
ClientSampleId :
EW925MS



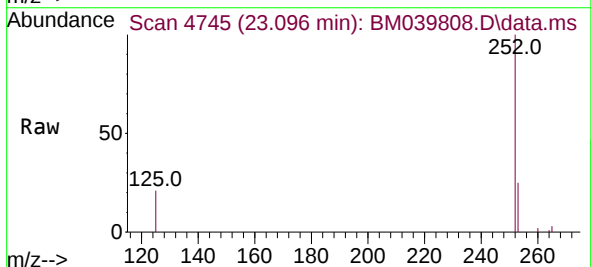
Tgt Ion:252 Resp: 56776
Ion Ratio Lower Upper
252 100
253 23.4 0.0 52.8
125 16.8 0.0 31.6

Manual Integrations
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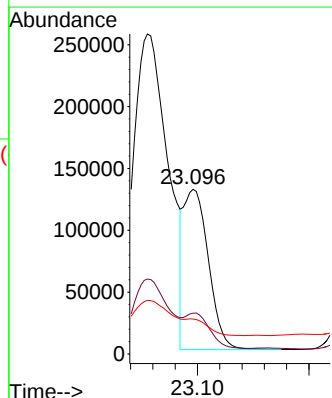
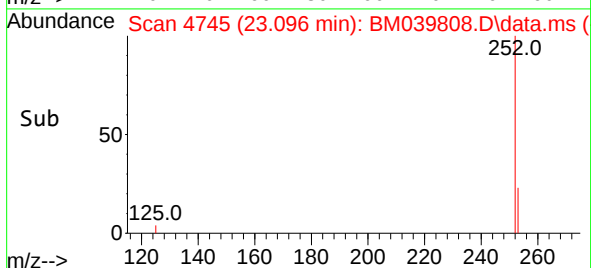
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023

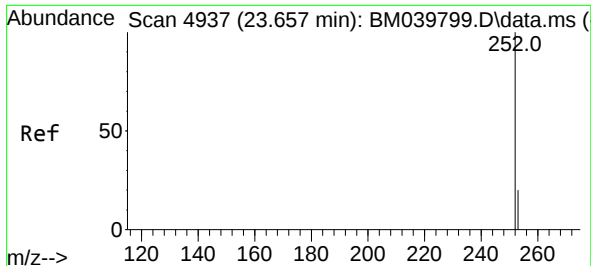


#25
Benzo(k)fluoranthene
Concen: 5.998 ng/ul m
RT: 23.096 min Scan# 4745
Delta R.T. 0.009 min
Lab File: BM039808.D
Acq: 02 May 2023 18:43



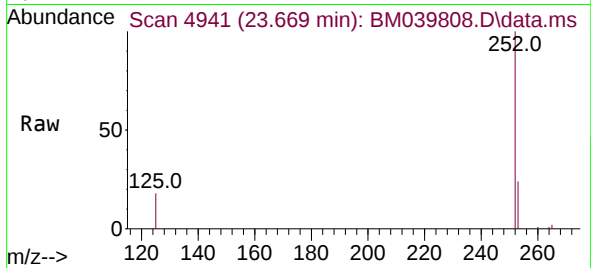
Tgt Ion:252 Resp: 200661
Ion Ratio Lower Upper
252 100
253 24.8 21.3 31.9
125 21.2 13.0 19.6#





#26
Benzo(a)pyrene
Concen: 13.013 ng/ul
RT: 23.669 min Scan# 4937
Delta R.T. 0.012 min
Lab File: BM039808.D
Acq: 02 May 2023 18:43

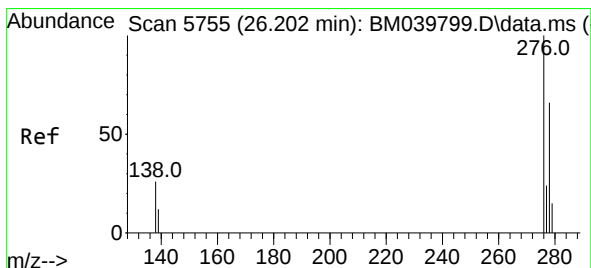
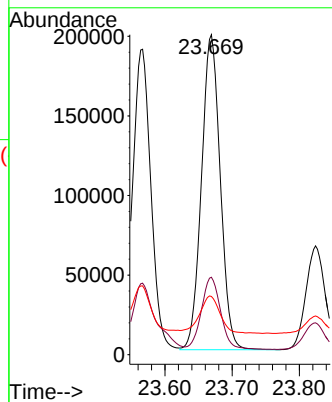
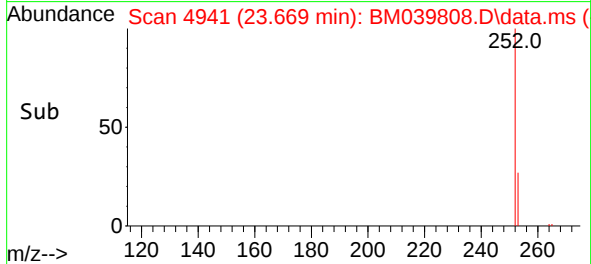
Instrument :
BNA_M
ClientSampleId :
EW925MS



Tgt Ion:252 Resp: 38387
Ion Ratio Lower Upper
252 100
253 24.2 24.7 37.1
125 18.2 16.5 24.7

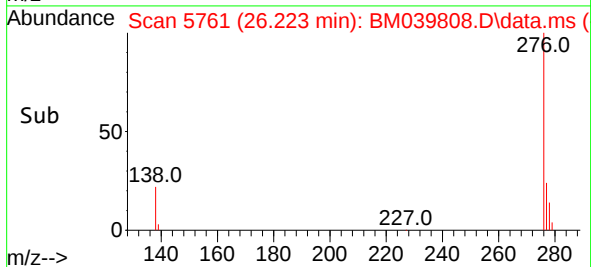
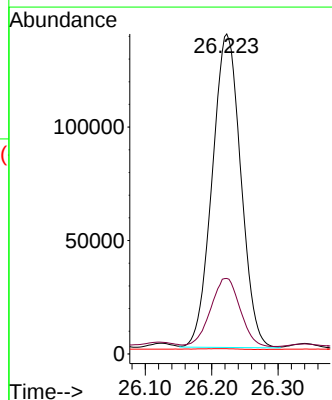
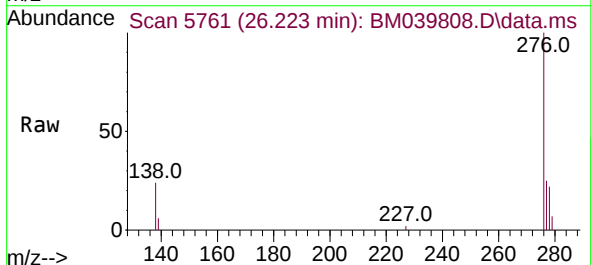
Manual Integrations
APPROVED

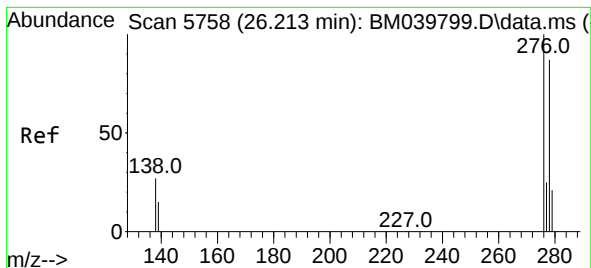
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 11.075 ng/ul
RT: 26.223 min Scan# 5761
Delta R.T. 0.020 min
Lab File: BM039808.D
Acq: 02 May 2023 18:43

Tgt Ion:276 Resp: 413112
Ion Ratio Lower Upper
276 100
138 22.3 21.1 31.7
227 0.3 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 3.619 ng/ul

RT: 26.219 min Scan# 51

Delta R.T. 0.007 min

Lab File: BM039808.D

Acq: 02 May 2023 18:43

Instrument :

BNA_M

ClientSampleId :

EW925MS

Tgt Ion:278 Resp: 104760

Ion Ratio Lower Upper

278 100

139 29.8 17.0 25.6

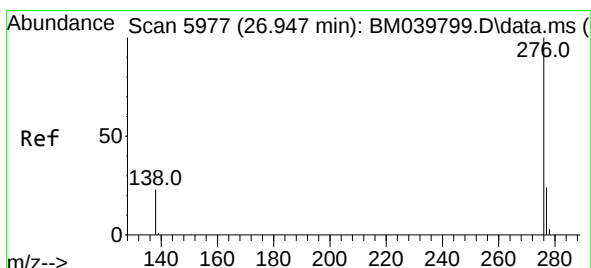
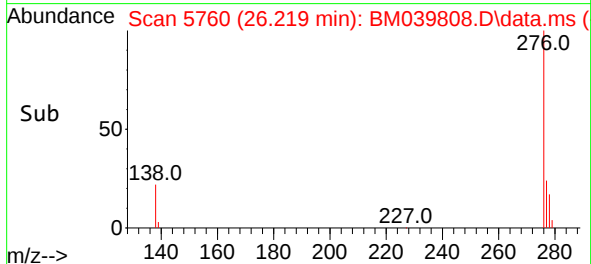
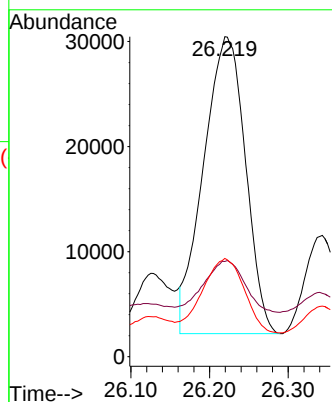
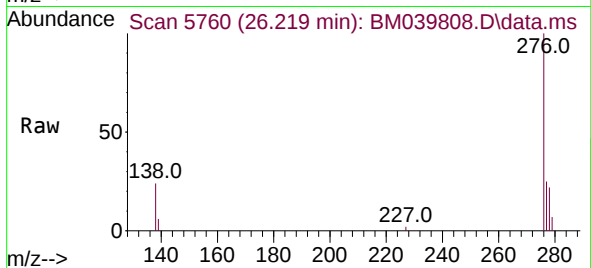
279 30.7 23.4 35.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023

Supervised By :Jagrut Upadhyay 05/04/2023



#29

Benzo(g,h,i)perylene

Concen: 15.738 ng/ul

RT: 26.984 min Scan# 5988

Delta R.T. 0.037 min

Lab File: BM039808.D

Acq: 02 May 2023 18:43

Tgt Ion:276 Resp: 511557

Ion Ratio Lower Upper

276 100

138 23.8 20.1 30.1

277 24.6 20.1 30.1

