

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050923\
 Data File : BM039890.D
 Acq On : 09 May 2023 12:51
 Operator : CG/JU
 Sample : 02479-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW946

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/10/2023
 Supervised By : Jagrut Upadhyay 05/10/2023

Quant Time: May 10 00:26:37 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 09 12:11:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	2835	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.568	136	8879	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.428	164	8367m	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.196	188	9572m	0.400	ng/ul	0.00
17) Chrysene-d12	21.367	240	17297	0.400	ng/ul	#-0.03
23) Perylene-d12	23.784	264	23700m	0.400	ng/ul	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.176	96	6260	1.498	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.162	152	1951	0.171	ng/ul	-0.03
18) Fluoranthene-d10	19.229	212	21685m	0.466	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.617	128	1162906	52.157	ng/ul	97
7) 2-Methylnaphthalene	12.239	142	510783	39.693	ng/ul	96
8) 1-Methylnaphthalene	12.459	142	437451	31.690	ng/ul	99
10) Acenaphthylene	14.150	152	2656345	82.024	ng/ul	99
11) Acenaphthene	14.492	153	1509252	59.332	ng/ul	97
12) Fluorene	15.487	166	2340713	82.938	ng/ul	95
14) Pentachlorophenol	16.875	266	840	0.403	ng/ul#	82
15) Phenanthrene	17.272	178	17847580	707.733	ng/ul	98
16) Anthracene	17.348	178	6468855	298.743	ng/ul	98
19) Fluoranthene	19.304	202	22638490m	366.860	ng/ul	
20) Pyrene	19.680	202	19201922	288.147	ng/ul#	94
21) Benzo(a)anthracene	21.426	228	13419755m	269.844	ng/ul	
22) Chrysene	21.487	228	10836683m	192.549	ng/ul	
24) Benzo(b)fluoranthene	23.135	252	19211027m	230.811	ng/ul	
25) Benzo(k)fluoranthene	23.173	252	4854673m	57.283	ng/ul	
26) Benzo(a)pyrene	23.761	252	13363746m	178.830	ng/ul	
27) Indeno(1,2,3-cd)pyrene	26.375	276	12512438m	132.418	ng/ul	
28) Dibenzo(a,h)anthracene	26.328	278	3316922m	45.226	ng/ul	
29) Benzo(g,h,i)perylene	27.143	276	10341008m	125.594	ng/ul	

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

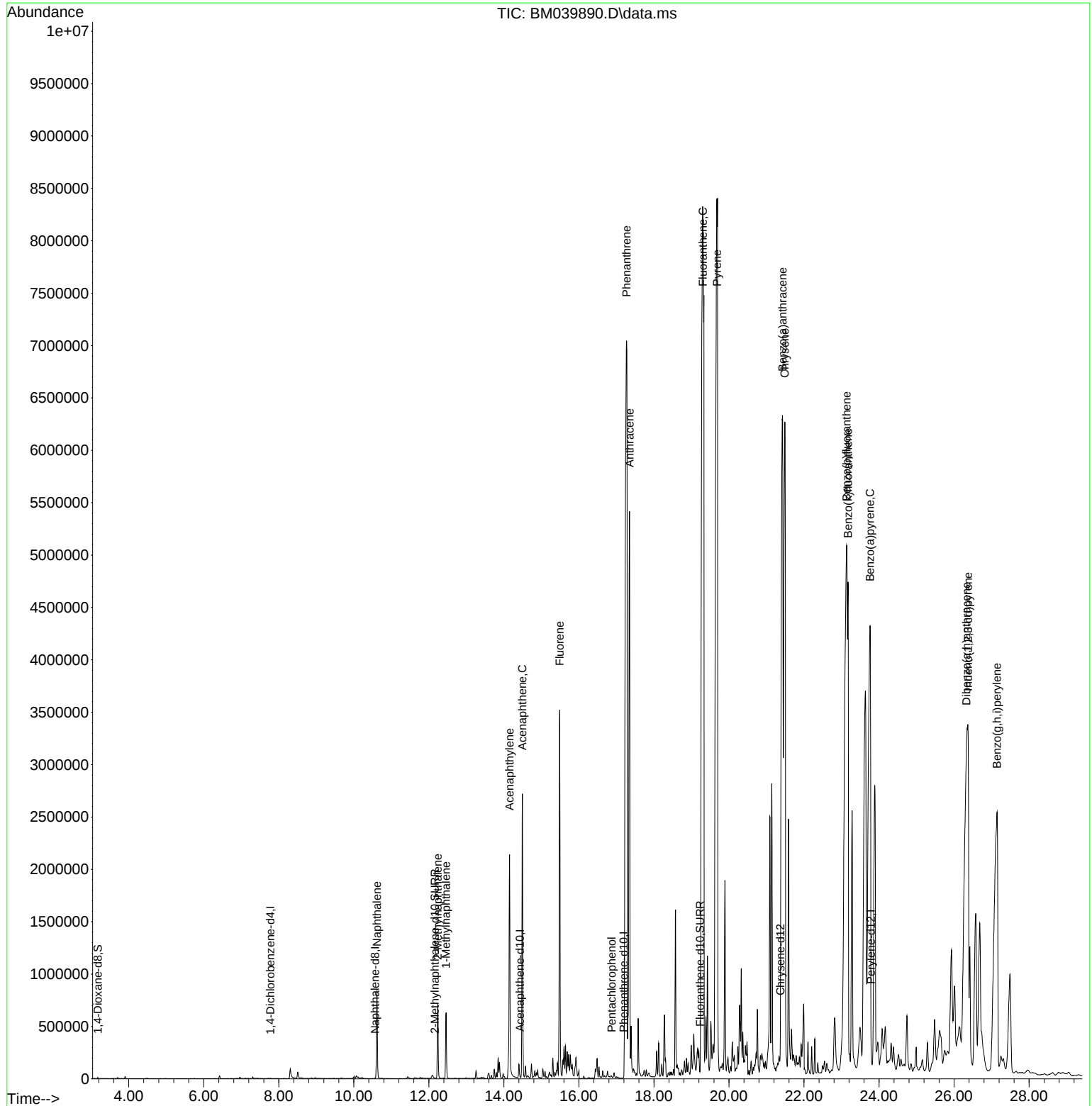
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050923\
Data File : BM039890.D
Acq On : 09 May 2023 12:51
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ALS Vial : 5 Sample Multiplier: 1

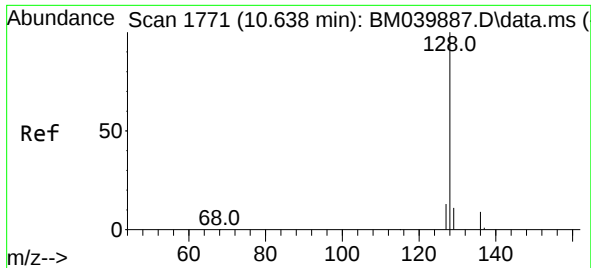
Instrument :
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Supervised By : Jagrut Upadhyay 05/10/2023

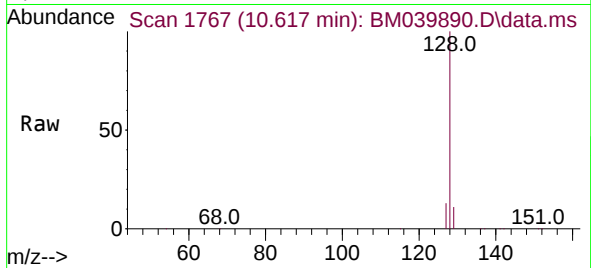
Quant Time: May 10 00:26:37 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 09 12:11:48 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 52.157 ng/ul
RT: 10.617 min Scan# 1767
Delta R.T. -0.021 min
Lab File: BM039890.D
Acq: 09 May 2023 12:51

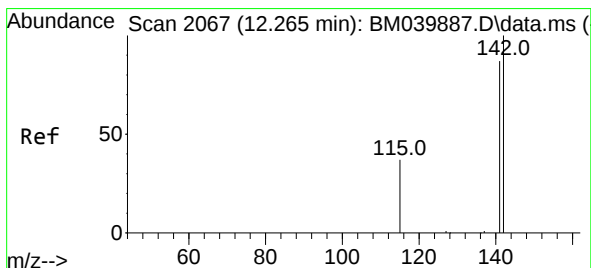
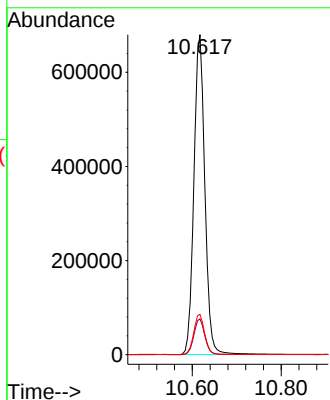
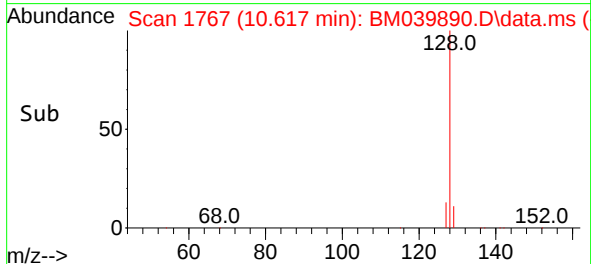
Instrument :
BNA_M
ClientSampleId :
EW946



Tgt Ion:128 Resp: 1162900
Ion Ratio Lower Upper
128 100
129 11.2 9.8 14.6
127 12.6 11.1 16.7

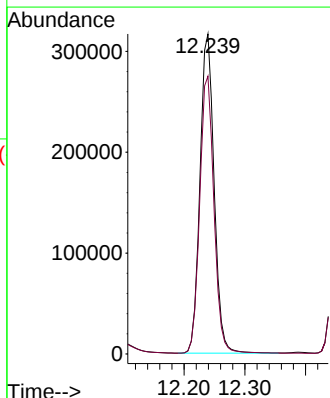
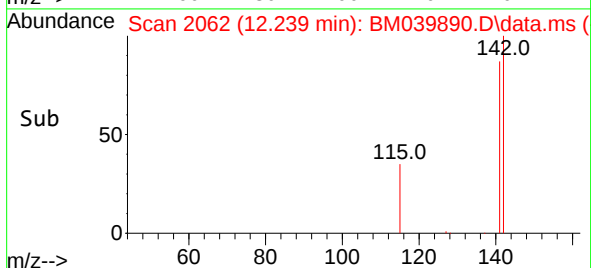
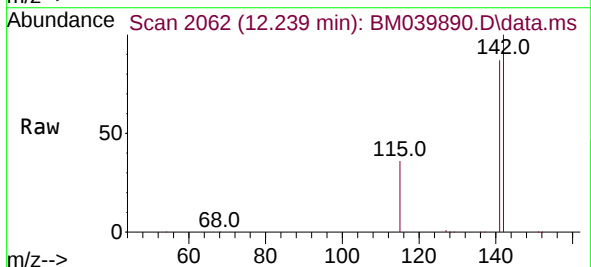
Manual Integrations
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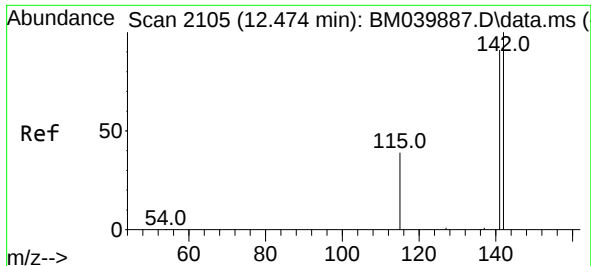
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#7
2-Methylnaphthalene
Concen: 39.693 ng/ul
RT: 12.239 min Scan# 2062
Delta R.T. -0.026 min
Lab File: BM039890.D
Acq: 09 May 2023 12:51

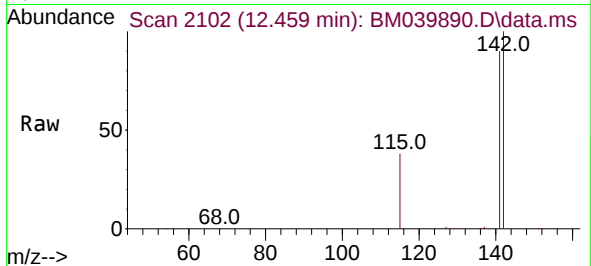
Tgt Ion:142 Resp: 510783
Ion Ratio Lower Upper
142 100
141 87.8 73.2 109.8





#8
1-Methylnaphthalene
Concen: 31.690 ng/ul
RT: 12.459 min Scan# 2105
Delta R.T. -0.015 min
Lab File: BM039890.D
Acq: 09 May 2023 12:51

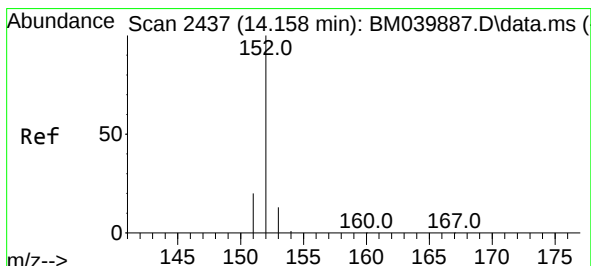
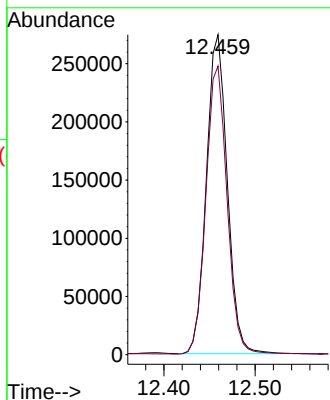
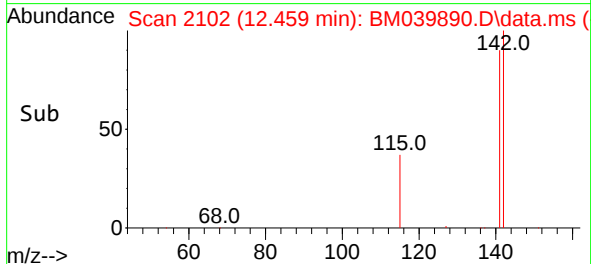
Instrument :
BNA_M
ClientSampleId :
EW946



Tgt Ion:142 Resp: 43745
Ion Ratio Lower Upper
142 100
141 90.9 73.4 110.2

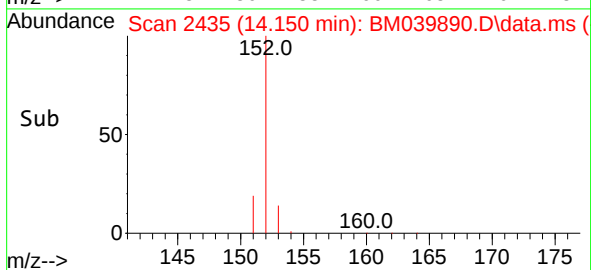
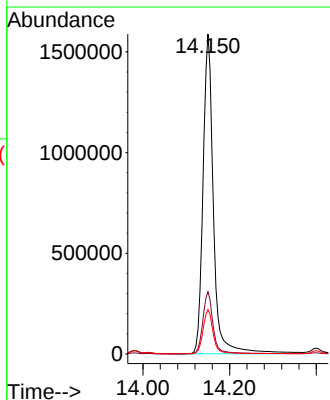
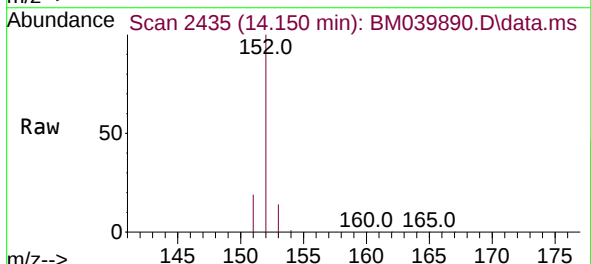
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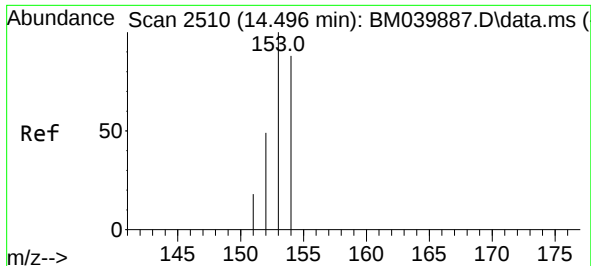
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#10
Acenaphthylene
Concen: 82.024 ng/ul
RT: 14.150 min Scan# 2435
Delta R.T. -0.008 min
Lab File: BM039890.D
Acq: 09 May 2023 12:51

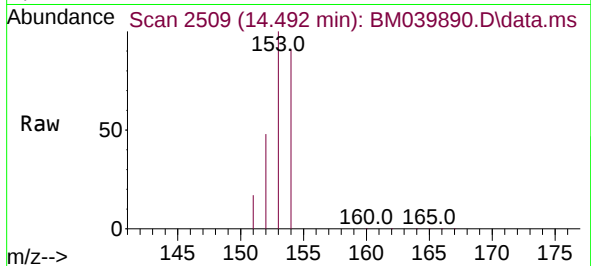
Tgt Ion:152 Resp: 2656345
Ion Ratio Lower Upper
152 100
151 19.5 16.0 24.0
153 13.9 11.2 16.8





#11
Acenaphthene
Concen: 59.332 ng/u1
RT: 14.492 min Scan# 21
Delta R.T. -0.003 min
Lab File: BM039890.D
Acq: 09 May 2023 12:51

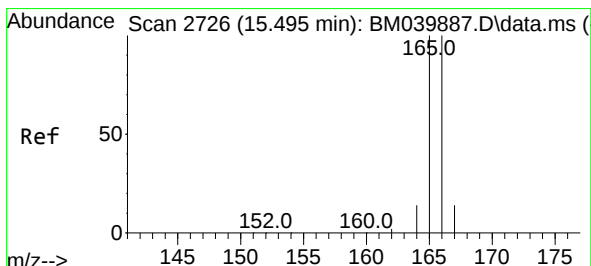
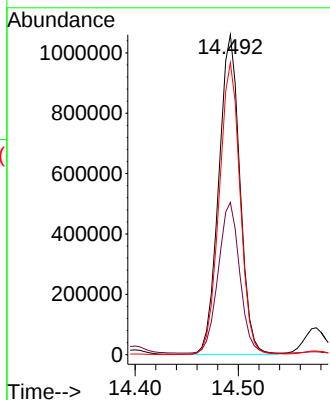
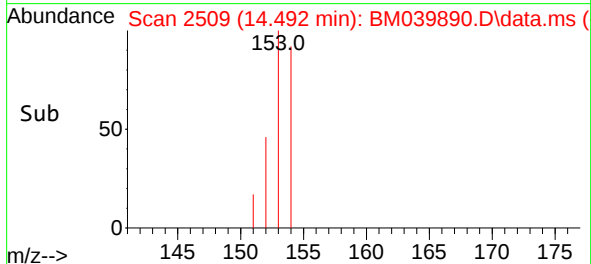
Instrument :
BNA_M
ClientSampleId :
EW946



Tgt Ion:153 Resp: 150925
Ion Ratio Lower Upper
153 100
152 47.6 40.6 61.0
154 91.3 71.9 107.9

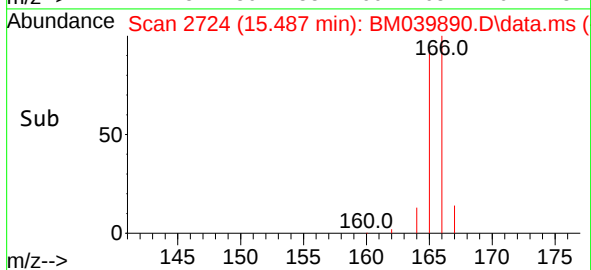
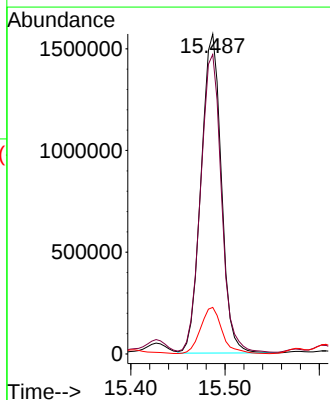
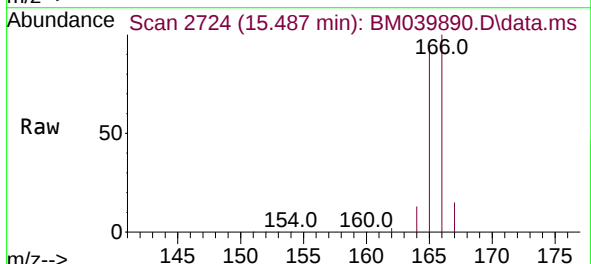
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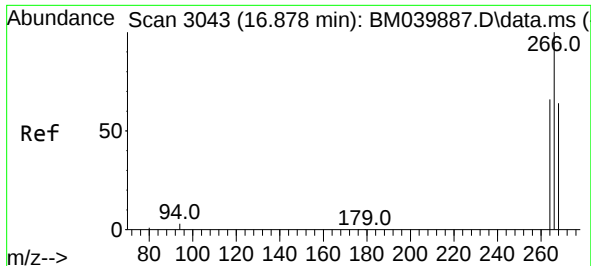
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#12
Fluorene
Concen: 82.938 ng/u1
RT: 15.487 min Scan# 2724
Delta R.T. -0.008 min
Lab File: BM039890.D
Acq: 09 May 2023 12:51

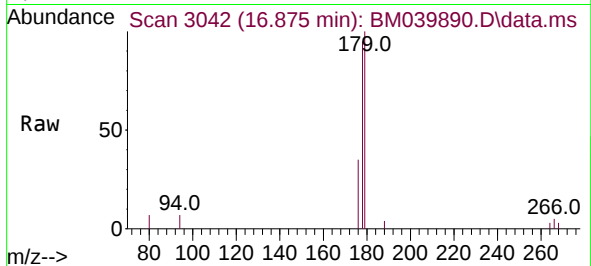
Tgt Ion:166 Resp: 2340713
Ion Ratio Lower Upper
166 100
165 93.6 79.0 118.6
167 14.6 11.8 17.6





#14
Pentachlorophenol
Concen: 0.403 ng/ul
RT: 16.875 min Scan# 3043
Delta R.T. -0.003 min
Lab File: BM039890.D
Acq: 09 May 2023 12:51

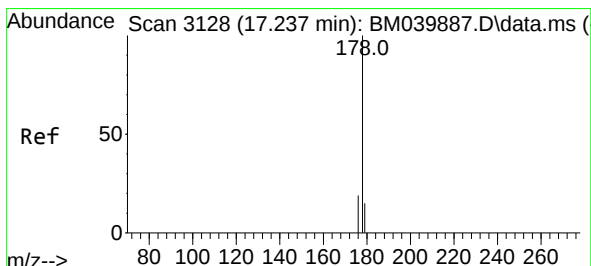
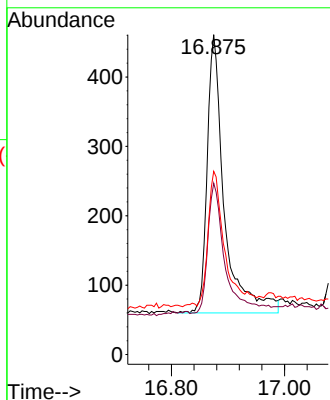
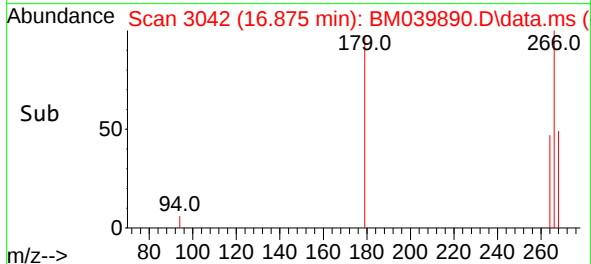
Instrument :
BNA_M
ClientSampleId :
EW946



Tgt Ion:266 Resp: 840
Ion Ratio Lower Upper
266 100
264 47.7 48.8 73.2
268 48.5 50.4 75.6

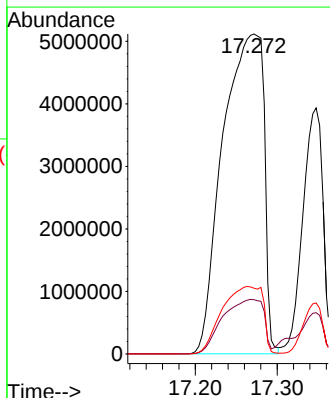
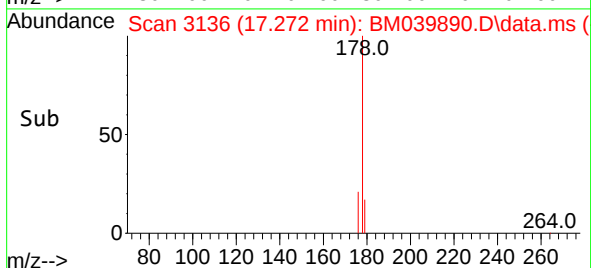
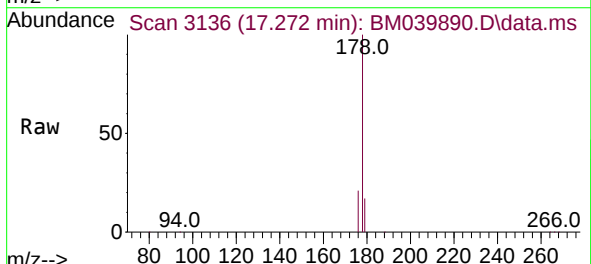
Manual Integrations
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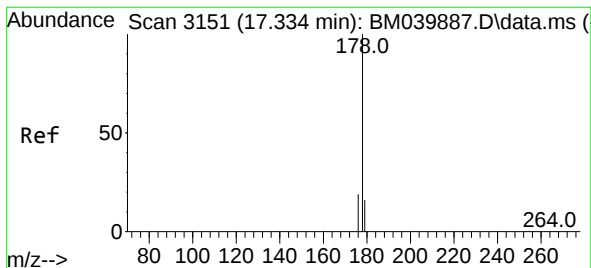
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#15
Phenanthrene
Concen: 707.733 ng/ul
RT: 17.272 min Scan# 3136
Delta R.T. 0.035 min
Lab File: BM039890.D
Acq: 09 May 2023 12:51

Tgt Ion:178 Resp:17847580
Ion Ratio Lower Upper
178 100
179 17.0 13.0 19.6
176 20.6 15.8 23.8





#16

Anthracene

Concen: 298.743 ng/ul

RT: 17.348 min Scan# 3151

Delta R.T. 0.014 min

Lab File: BM039890.D

Acq: 09 May 2023 12:51

Instrument :

BNA_M

ClientSampleId :

EW946

Tgt Ion:178 Resp: 646885

Ion Ratio Lower Upper

178 100

179 16.8 13.8 20.6

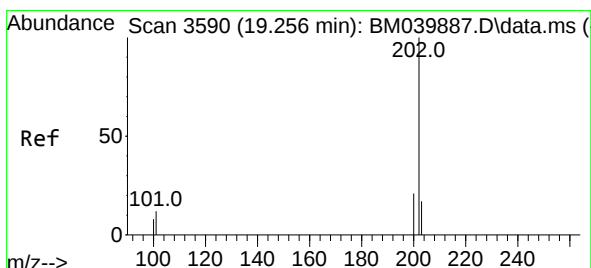
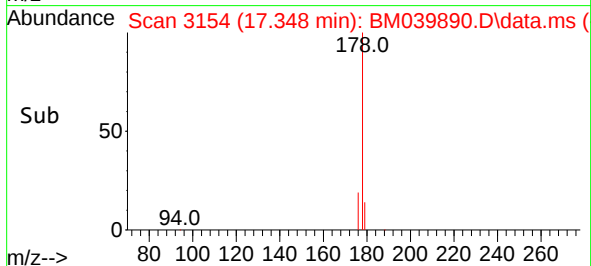
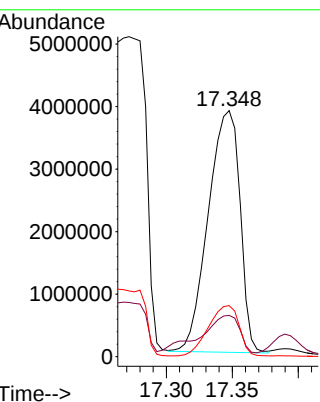
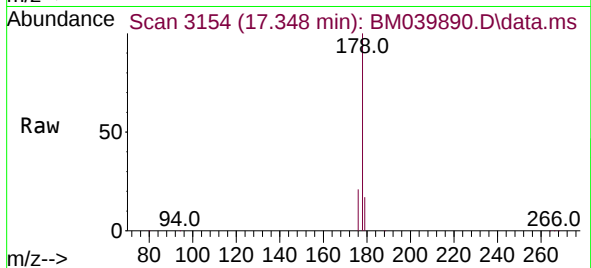
176 20.8 15.8 23.8

Manual Integrations

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#19

Fluoranthene

Concen: 366.860 ng/ul m

RT: 19.304 min Scan# 3600

Delta R.T. 0.048 min

Lab File: BM039890.D

Acq: 09 May 2023 12:51

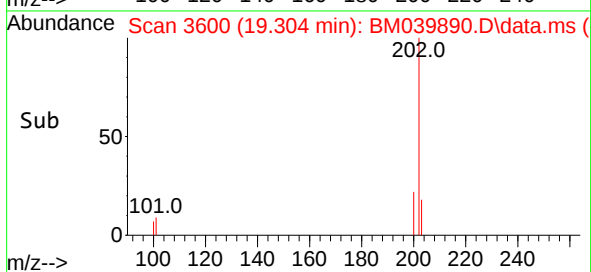
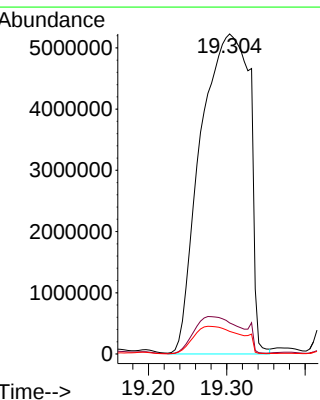
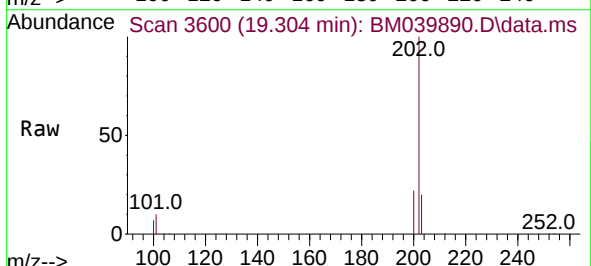
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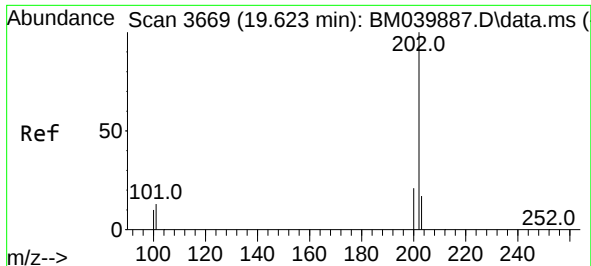
Ion Ratio Lower Upper

202 100

101 9.7 9.8 14.8#

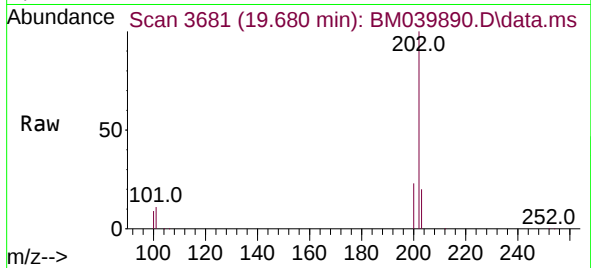
100 7.0 7.3 10.9#





#20
Pyrene
Concen: 288.147 ng/ul
RT: 19.680 min Scan# 30
Delta R.T. 0.057 min
Lab File: BM039890.D
Acq: 09 May 2023 12:51

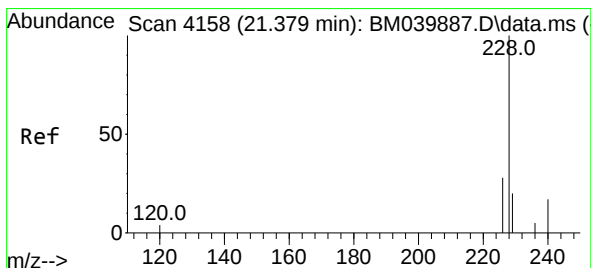
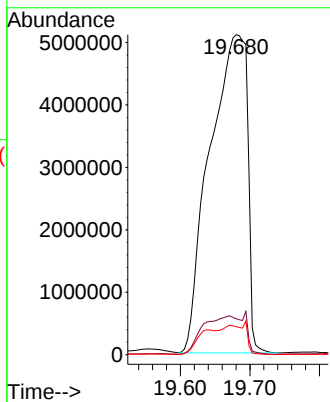
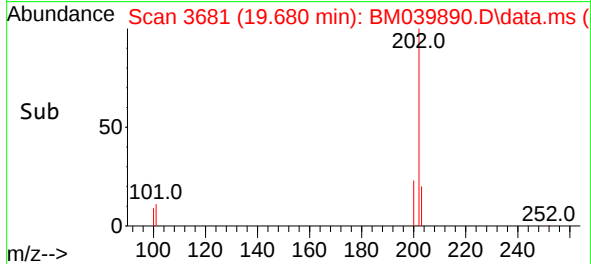
Instrument :
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EW946



Tgt Ion:202 Resp:1920192
Ion Ratio Lower Upper
202 100
101 11.3 10.9 16.3
100 8.8 8.9 13.3

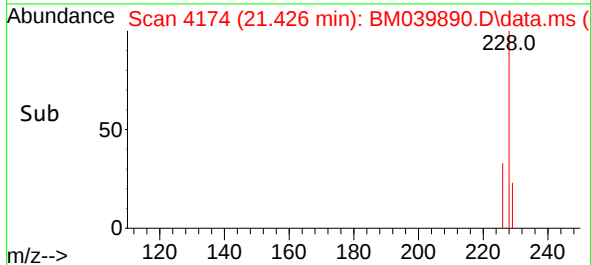
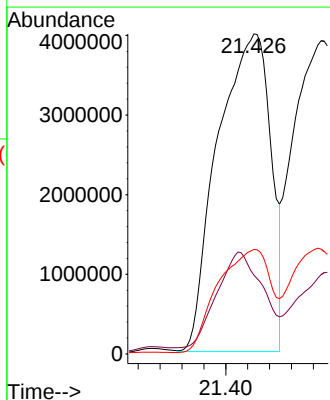
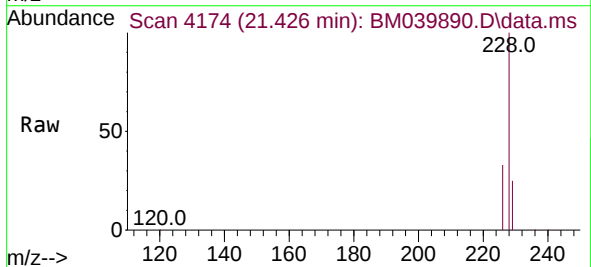
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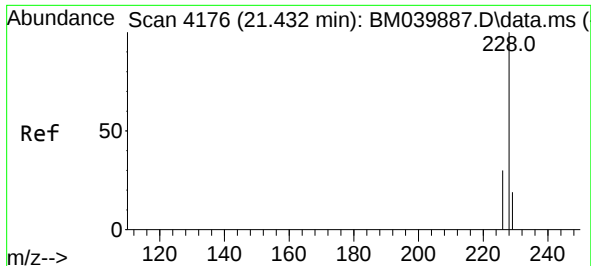
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#21
Benzo(a)anthracene
Concen: 269.844 ng/ul m
RT: 21.426 min Scan# 4174
Delta R.T. 0.046 min
Lab File: BM039890.D
Acq: 09 May 2023 12:51

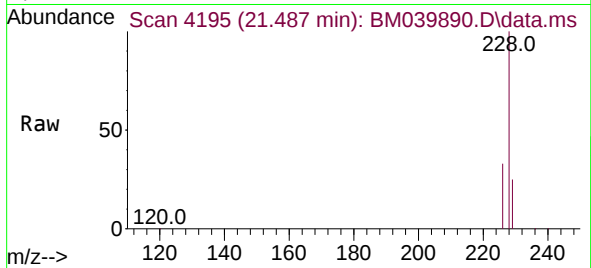
Tgt Ion:228 Resp:13419755
Ion Ratio Lower Upper
228 100
229 24.7 16.2 24.2#
226 32.6 21.6 32.4#





#22
Chrysene
Concen: 192.549 ng/ul m
RT: 21.487 min Scan# 4176
Delta R.T. 0.055 min
Lab File: BM039890.D
Acq: 09 May 2023 12:51

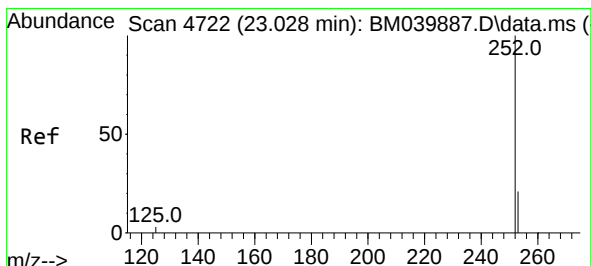
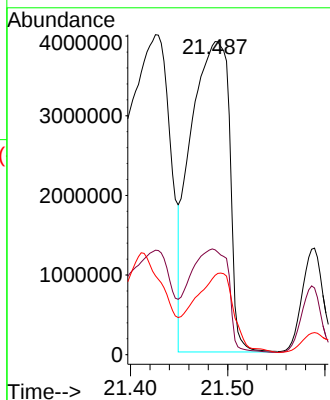
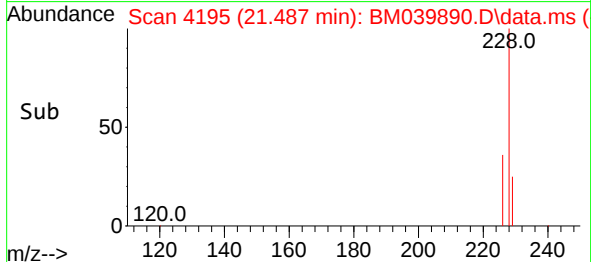
Instrument :
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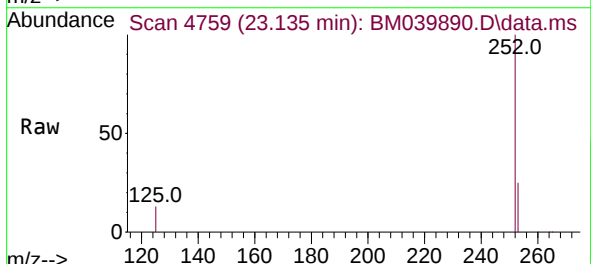
Tgt Ion:228 Resp:1083668
Ion Ratio Lower Upper
228 100
226 33.5 24.3 36.5
229 25.4 15.9 23.9

Manual Integrations
APPROVED

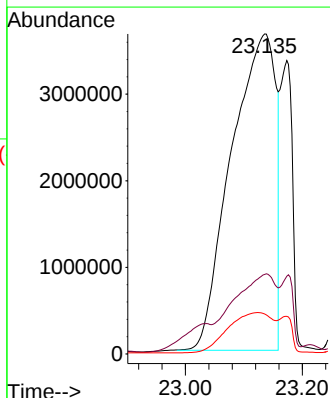
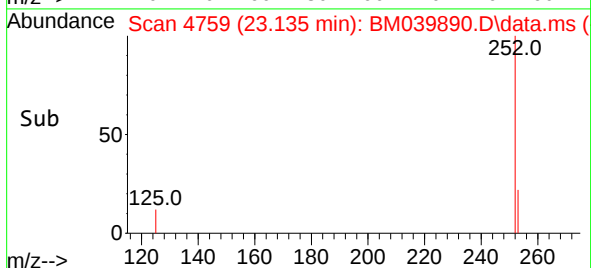
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

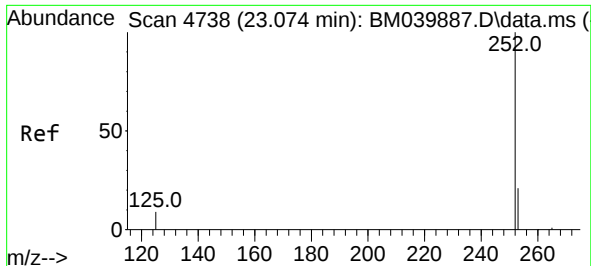


#24
Benzo(b)fluoranthene
Concen: 230.811 ng/ul m
RT: 23.135 min Scan# 4759
Delta R.T. 0.108 min
Lab File: BM039890.D
Acq: 09 May 2023 12:51



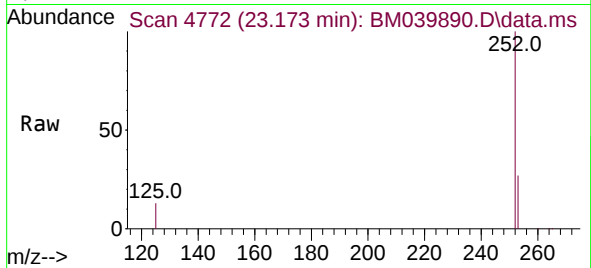
Tgt Ion:252 Resp:19211027
Ion Ratio Lower Upper
252 100
253 24.9 0.0 52.8
125 12.5 0.0 31.6





#25
Benzo(k)fluoranthene
Concen: 57.283 ng/ul m
RT: 23.173 min Scan# 4772
Delta R.T. 0.099 min
Lab File: BM039890.D
Acq: 09 May 2023 12:51

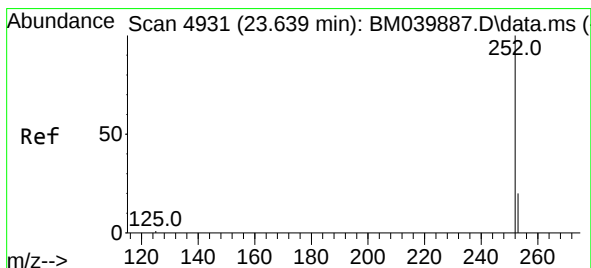
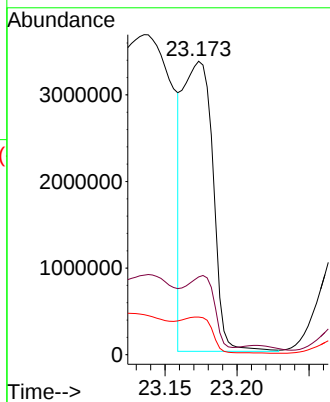
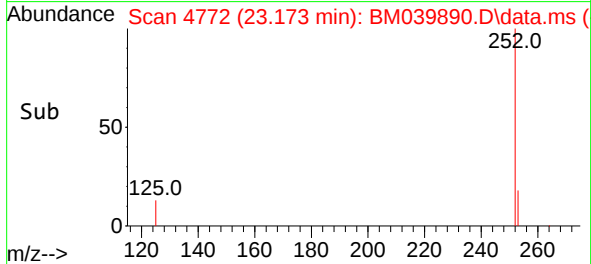
Instrument :
BNA_M
ClientSampleId :
EW946



Tgt Ion:252 Resp: 485467
Ion Ratio Lower Upper
252 100
253 26.5 21.3 31.9
125 12.8 13.0 19.6

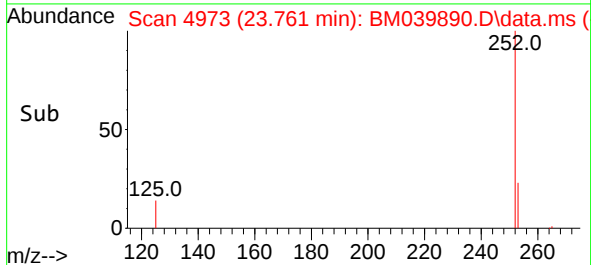
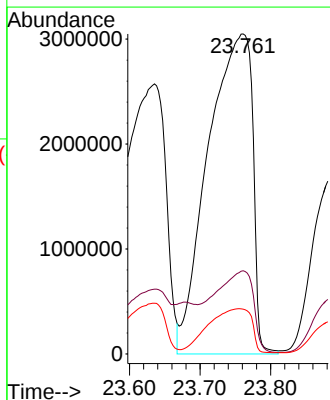
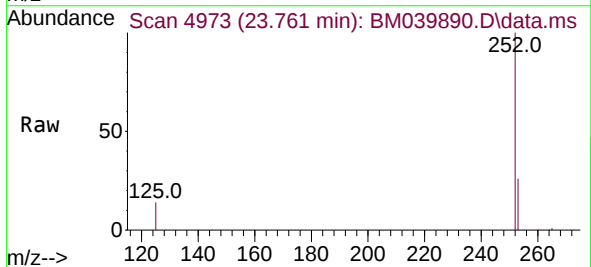
Manual Integrations
APPROVED

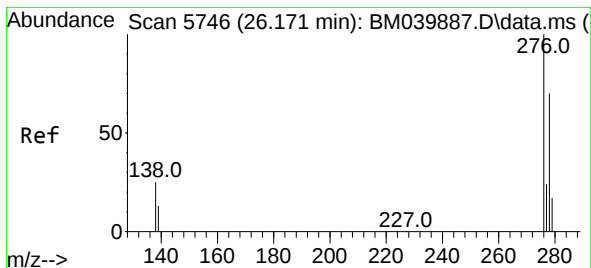
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#26
Benzo(a)pyrene
Concen: 178.830 ng/ul m
RT: 23.761 min Scan# 4973
Delta R.T. 0.122 min
Lab File: BM039890.D
Acq: 09 May 2023 12:51

Tgt Ion:252 Resp:13363746
Ion Ratio Lower Upper
252 100
253 26.0 24.7 37.1
125 14.0 16.5 24.7#





#27

Indeno(1,2,3-cd)pyrene

Concen: 132.418 ng/ul m

RT: 26.375 min Scan# 5

Delta R.T. 0.204 min

Lab File: BM039890.D

Acq: 09 May 2023 12:51

Instrument :

BNA_M

ClientSampleId :

EW946

Tgt Ion:276 Resp:1251243

Ion Ratio Lower Upper

276 100

138 1.9 21.1 31.7

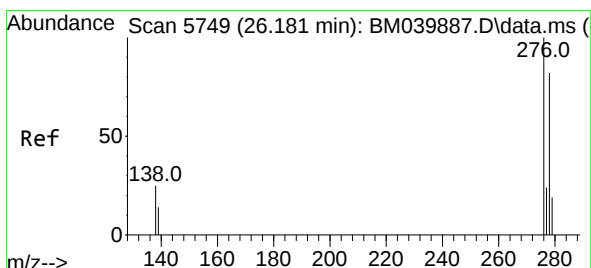
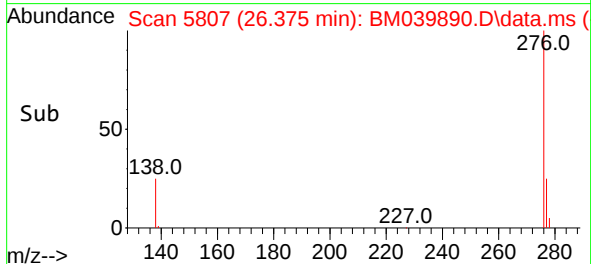
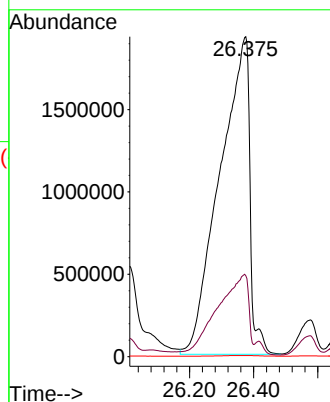
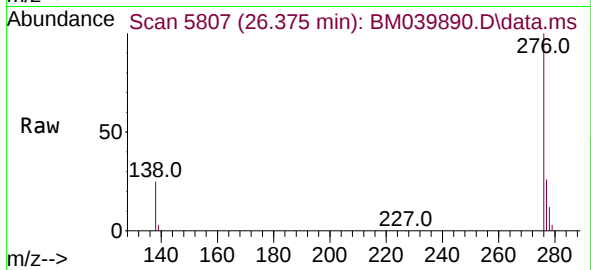
227 0.0 0.1 0.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/10/2023

Supervised By :Jagrut Upadhyay 05/10/2023



#28

Dibenzo(a,h)anthracene

Concen: 45.226 ng/ul m

RT: 26.328 min Scan# 5793

Delta R.T. 0.147 min

Lab File: BM039890.D

Acq: 09 May 2023 12:51

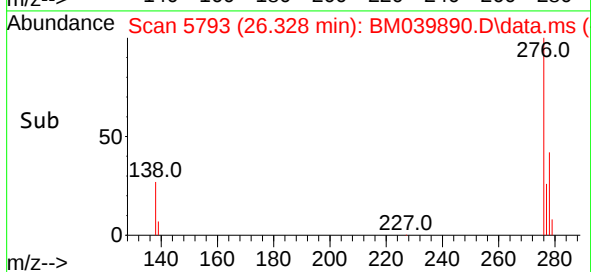
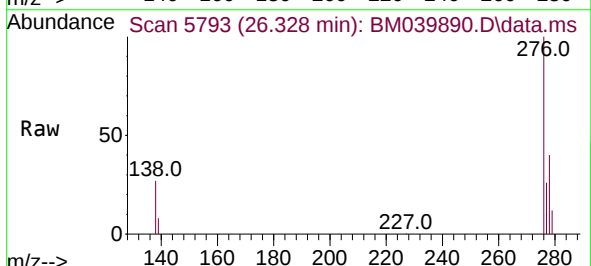
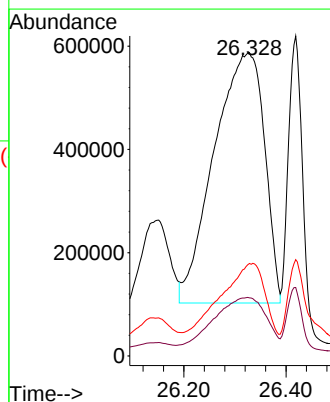
Tgt Ion:278 Resp: 3316922

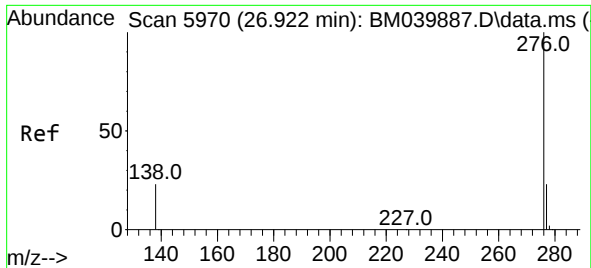
Ion Ratio Lower Upper

278 100

139 19.2 17.0 25.6

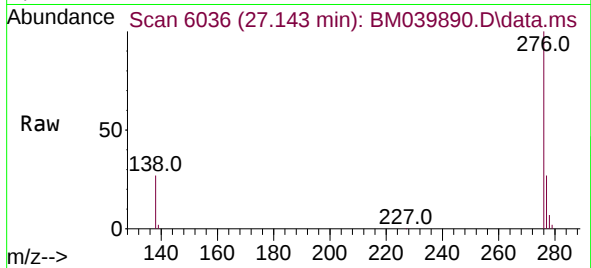
279 30.5 23.4 35.2





#29
Benzo(g,h,i)perylene
Concen: 125.594 ng/ul m
RT: 27.143 min Scan# 6036
Delta R.T. 0.221 min
Lab File: BM039890.D
Acq: 09 May 2023 12:51

Instrument :
BNA_M
ClientSampleId :
EW946



Tgt Ion:276 Resp:10341008
Ion Ratio Lower Upper
276 100
138 27.0 20.1 30.1
277 27.1 20.1 30.1

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

