

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050223\
 Data File : BM039802.D
 Acq On : 02 May 2023 15:05
 Operator : CG/JU
 Sample : 02418-30RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW904RE

Manual Integrations
 APPROVED

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

Quant Time: May 03 04:15:52 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	7.787	152	3738	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.588	136	12438	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.445	164	7926	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.207	188	12674	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.373	240	12095	0.400	ng/ul	#-0.03
23) Perylene-d12	23.808	264	27192m	0.400	ng/ul	0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.184	96	12475	2.265	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.183	152	3328	0.209	ng/ul	-0.02
18) Fluoranthene-d10	19.247	212	15556m	0.478	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.638	128	575246	18.418	ng/ul	97
7) 2-Methylnaphthalene	12.254	142	219541	12.179	ng/ul	96
8) 1-Methylnaphthalene	12.474	142	197587	10.218	ng/ul	99
10) Acenaphthylene	14.167	152	1844822	60.135	ng/ul	99
11) Acenaphthene	14.509	153	850640	35.301	ng/ul	97
12) Fluorene	15.499	166	1501966	56.180	ng/ul	97
14) Pentachlorophenol	16.882	266	1290	0.467	ng/ul#	88
15) Phenanthrene	17.279	178	14833711	444.251	ng/ul	97
16) Anthracene	17.355	178	5403604	188.470	ng/ul	99
19) Fluoranthene	19.316	202	24894836m	576.936	ng/ul	
20) Pyrene	19.697	202	20689934	444.011	ng/ul	95
21) Benzo(a)anthracene	21.438	228	14355846m	412.822	ng/ul	
22) Chrysene	21.499	228	11766428m	298.989	ng/ul	
24) Benzo(b)fluoranthene	23.156	252	22854514m	239.323	ng/ul	
25) Benzo(k)fluoranthene	23.194	252	5427359m	55.816	ng/ul	
26) Benzo(a)pyrene	23.785	252	15135917m	176.534	ng/ul	
27) Indeno(1,2,3-cd)pyrene	26.409	276	16329924m	150.624	ng/ul	
28) Dibenzo(a,h)anthracene	26.366	278	3646856m	43.339	ng/ul	
29) Benzo(g,h,i)perylene	27.191	276	13610482m	144.075	ng/ul	

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

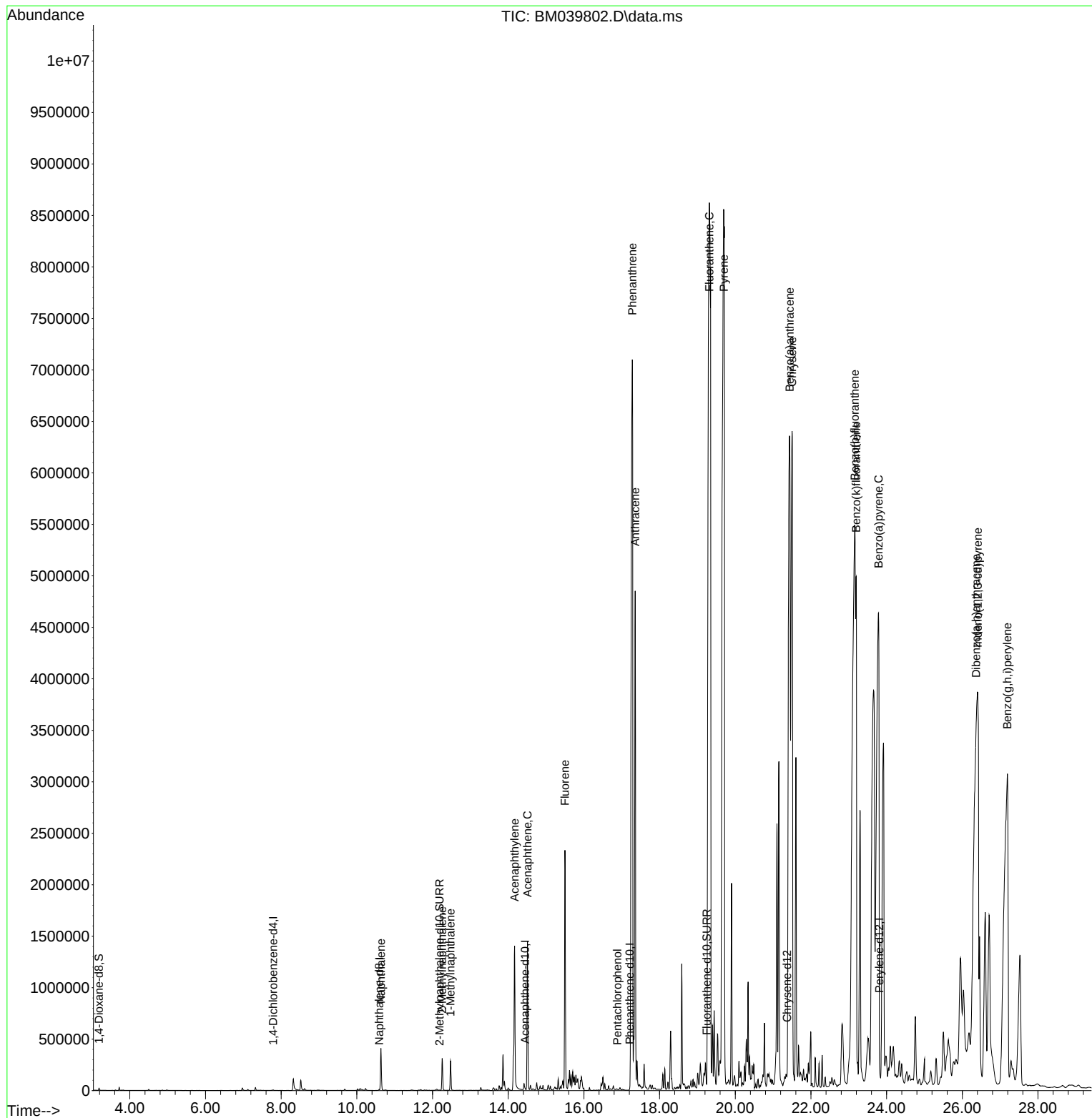
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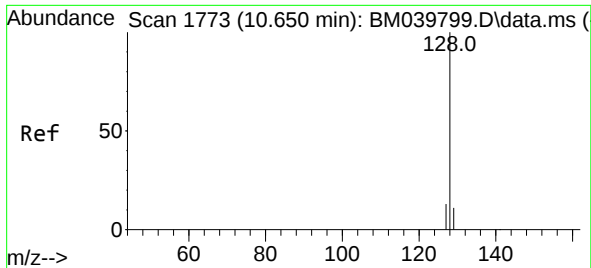
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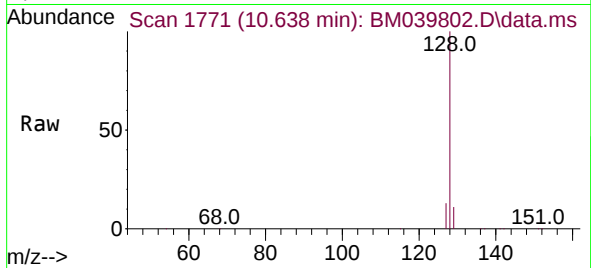
Reviewed By : Christian Giraldo 05/03/2023
Supervised By : Jagrut Upadhyay 05/04/2023





#5
Naphthalene
Concen: 18.418 ng/ul
RT: 10.638 min Scan# 1771
Delta R.T. -0.012 min
Lab File: BM039802.D
Acq: 02 May 2023 15:05

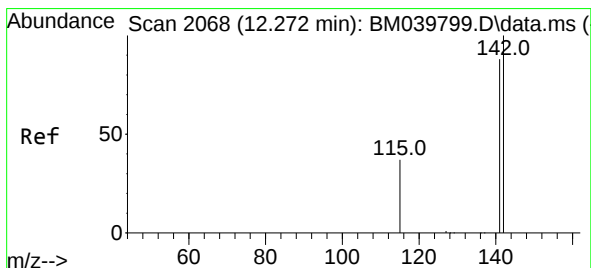
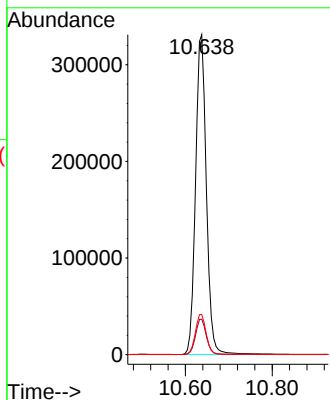
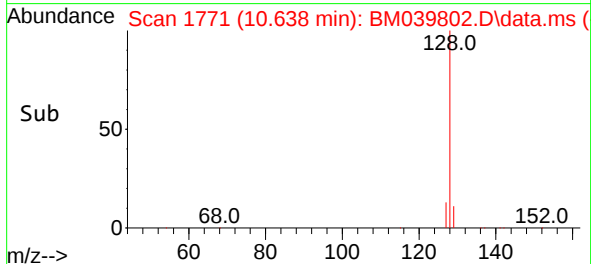
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BNA_M
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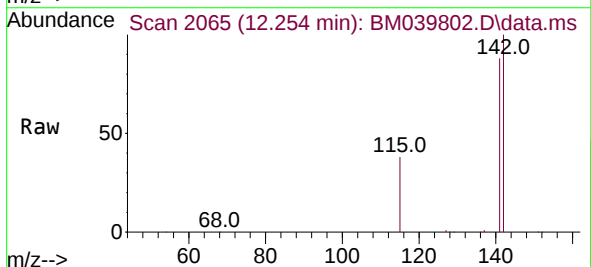
Tgt Ion:128 Resp: 575240
Ion Ratio Lower Upper
128 100
129 11.1 9.8 14.6
127 12.6 11.1 16.7

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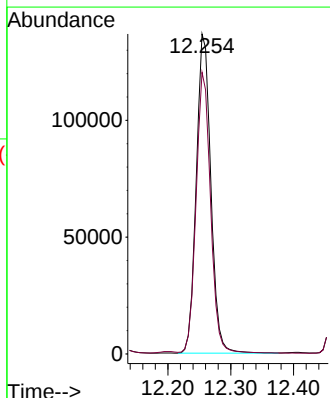
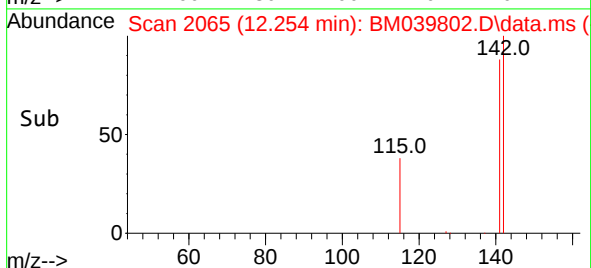
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023

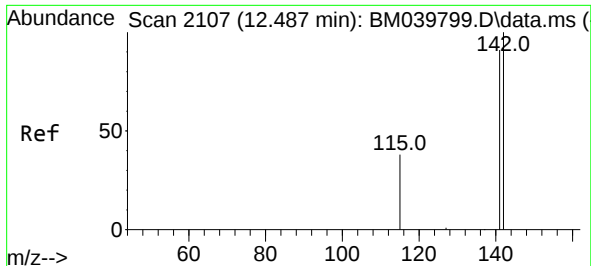


#7
2-Methylnaphthalene
Concen: 12.179 ng/ul
RT: 12.254 min Scan# 2065
Delta R.T. -0.018 min
Lab File: BM039802.D
Acq: 02 May 2023 15:05



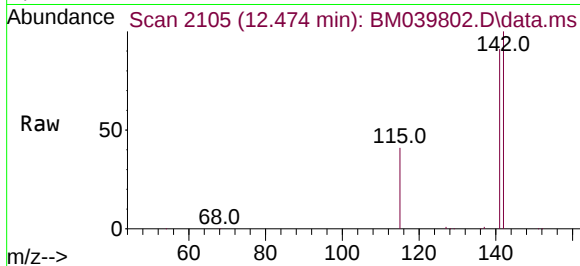
Tgt Ion:142 Resp: 219541
Ion Ratio Lower Upper
142 100
141 88.0 73.2 109.8





#8
1-Methylnaphthalene
Concen: 10.218 ng/ul
RT: 12.474 min Scan# 2107
Delta R.T. -0.012 min
Lab File: BM039802.D
Acq: 02 May 2023 15:05

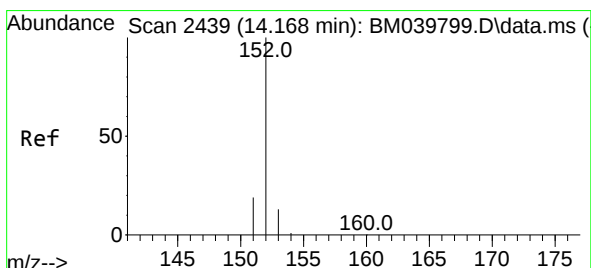
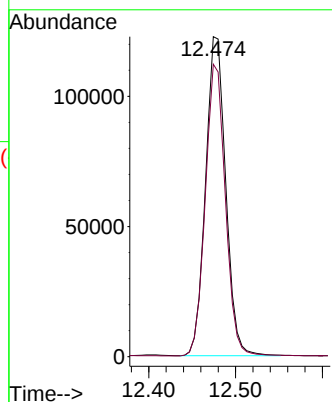
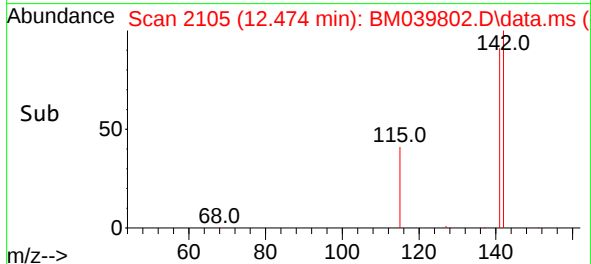
Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:142 Resp: 19758
Ion Ratio Lower Upper
142 100
141 91.1 73.4 110.2

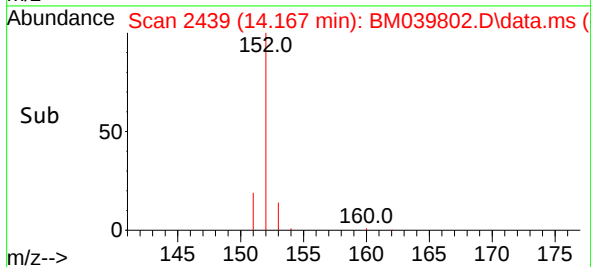
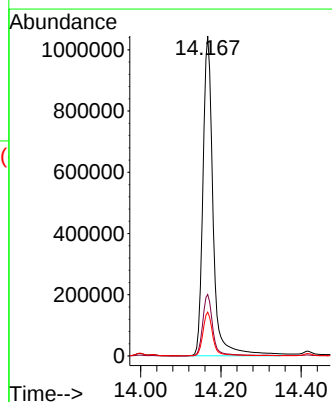
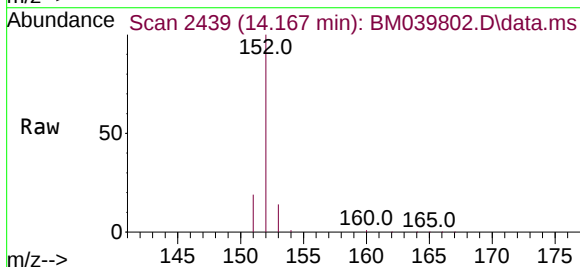
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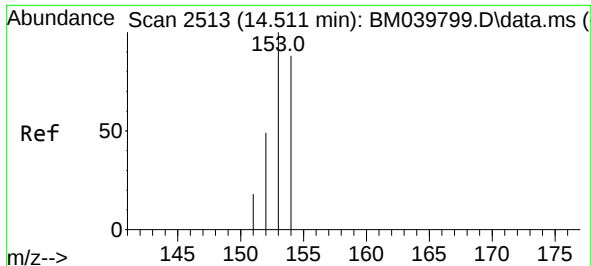
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#10
Acenaphthylene
Concen: 60.135 ng/ul
RT: 14.167 min Scan# 2439
Delta R.T. -0.001 min
Lab File: BM039802.D
Acq: 02 May 2023 15:05

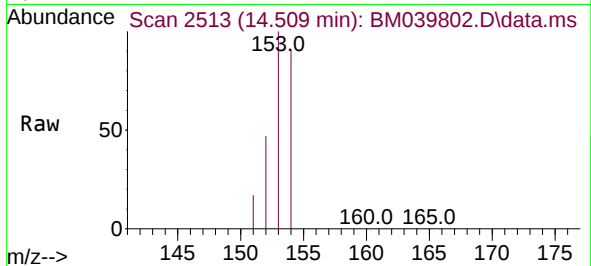
Tgt Ion:152 Resp: 1844822
Ion Ratio Lower Upper
152 100
151 19.2 16.0 24.0
153 13.7 11.2 16.8





#11
Acenaphthene
Concen: 35.301 ng/u1
RT: 14.509 min Scan# 21
Delta R.T. -0.001 min
Lab File: BM039802.D
Acq: 02 May 2023 15:05

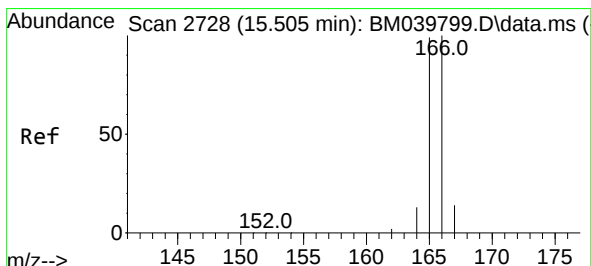
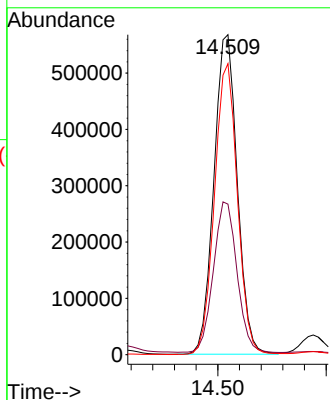
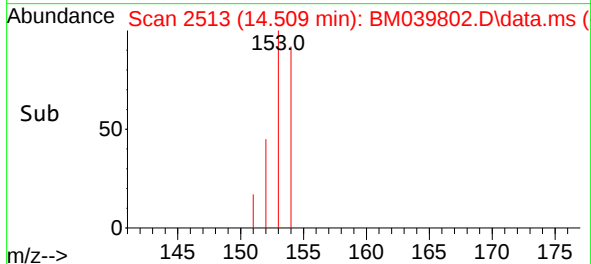
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ClientSampleId :
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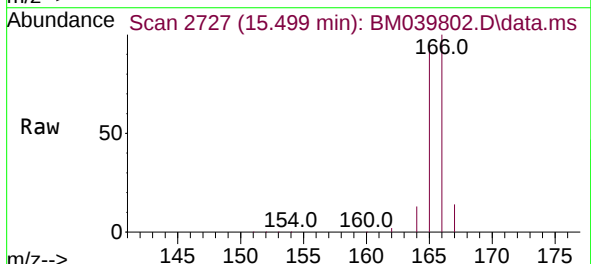
Tgt Ion:153 Resp: 850640
Ion Ratio Lower Upper
153 100
152 47.0 40.6 61.0
154 91.0 71.9 107.9

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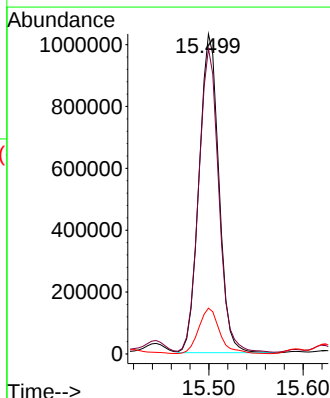
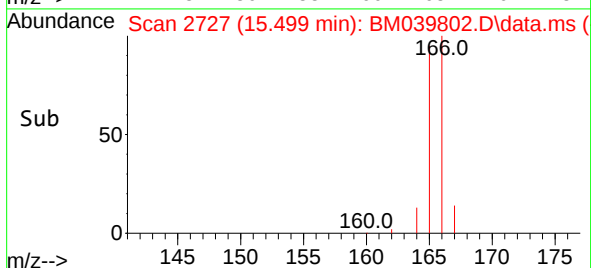
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023

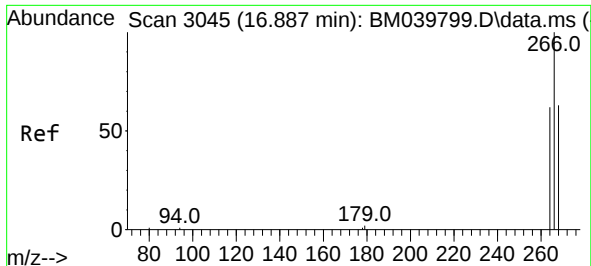


#12
Fluorene
Concen: 56.180 ng/u1
RT: 15.499 min Scan# 2727
Delta R.T. -0.006 min
Lab File: BM039802.D
Acq: 02 May 2023 15:05



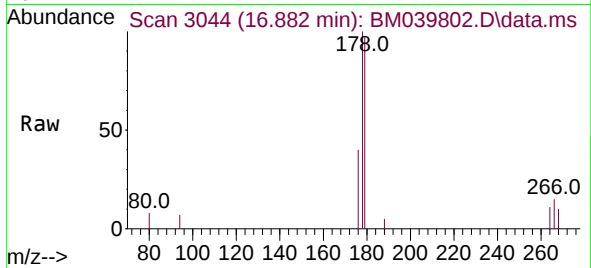
Tgt Ion:166 Resp: 1501966
Ion Ratio Lower Upper
166 100
165 95.4 79.0 118.6
167 14.3 11.8 17.6





#14
 Pentachlorophenol
 Concen: 0.467 ng/ul
 RT: 16.882 min Scan# 3045
 Delta R.T. -0.005 min
 Lab File: BM039802.D
 Acq: 02 May 2023 15:05

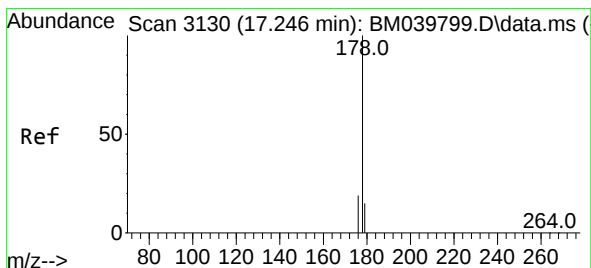
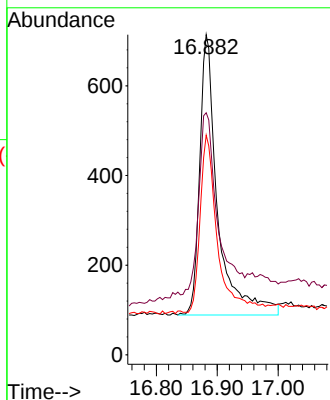
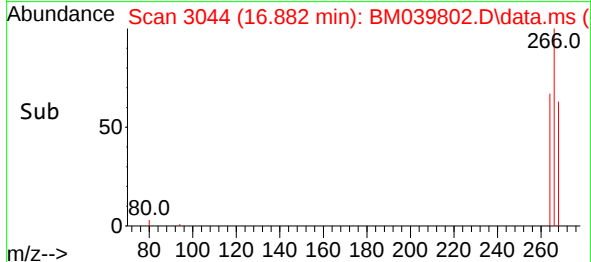
Instrument :
 BNA_M
 ClientSampleId :
 EW904RE



Tgt Ion:266 Resp: 1290
 Ion Ratio Lower Upper
 266 100
 264 79.7 48.8 73.2
 268 62.4 50.4 75.6

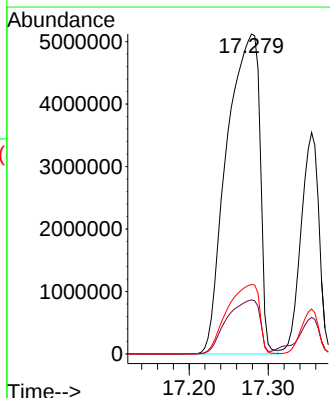
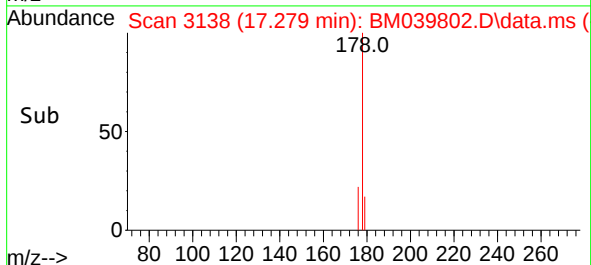
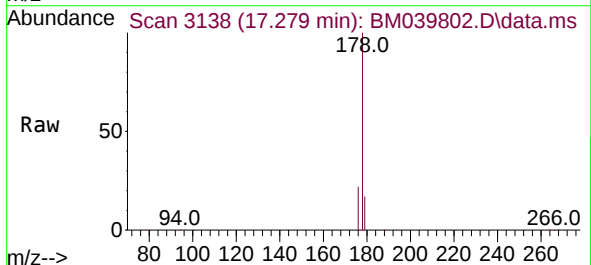
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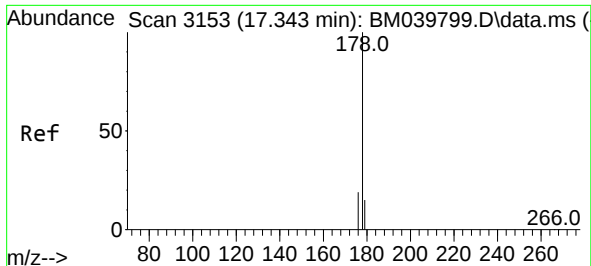
Reviewed By :Christian Giraldo 05/03/2023
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#15
 Phenanthrene
 Concen: 444.251 ng/ul
 RT: 17.279 min Scan# 3138
 Delta R.T. 0.033 min
 Lab File: BM039802.D
 Acq: 02 May 2023 15:05

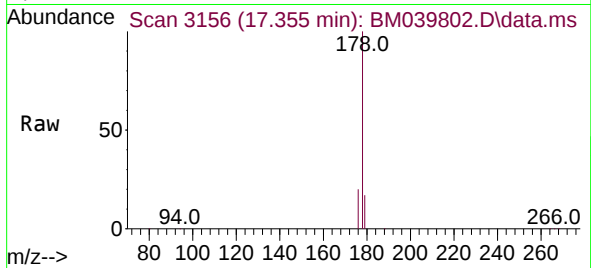
Tgt Ion:178 Resp:14833711
 Ion Ratio Lower Upper
 178 100
 179 16.9 13.0 19.6
 176 21.7 15.8 23.8





#16
 Anthracene
 Concen: 188.470 ng/ul
 RT: 17.355 min Scan# 3153
 Delta R.T. 0.011 min
 Lab File: BM039802.D
 Acq: 02 May 2023 15:05

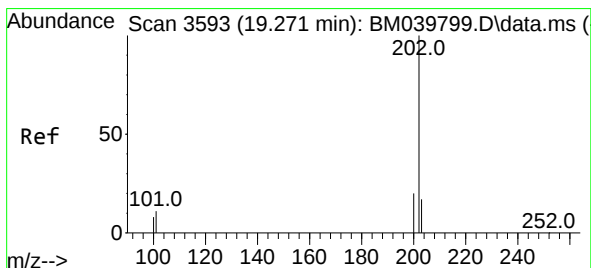
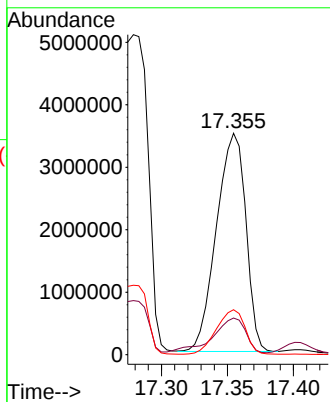
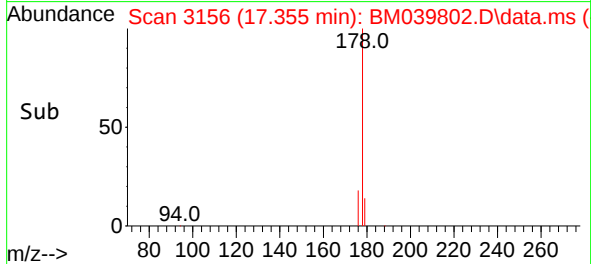
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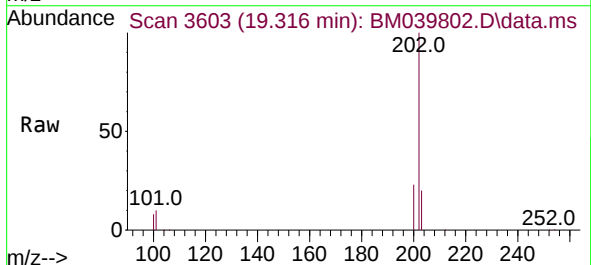
Tgt Ion:178 Resp: 5403604
 Ion Ratio Lower Upper
 178 100
 179 16.5 13.8 20.6
 176 20.3 15.8 23.8

Manual Integrations
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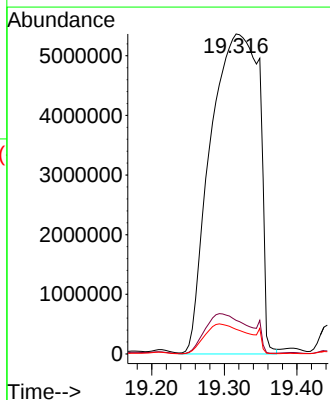
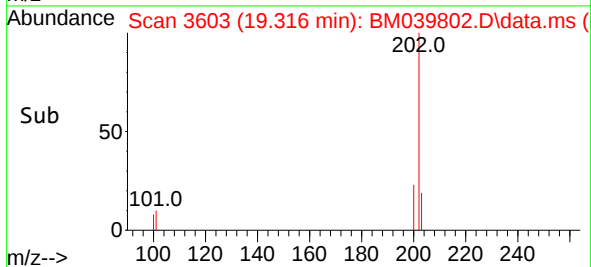
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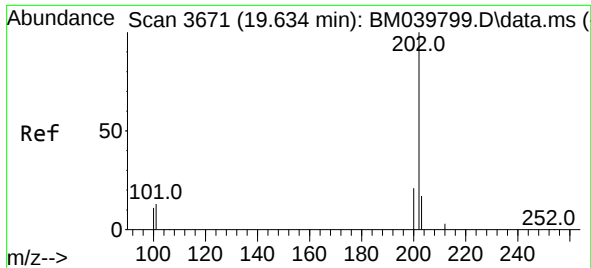


#19
 Fluoranthene
 Concen: 576.936 ng/ul m
 RT: 19.316 min Scan# 3603
 Delta R.T. 0.045 min
 Lab File: BM039802.D
 Acq: 02 May 2023 15:05



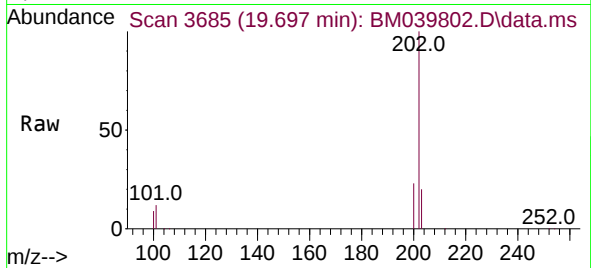
Tgt Ion:202 Resp:24894836
 Ion Ratio Lower Upper
 202 100
 101 10.5 9.8 14.8
 100 7.7 7.3 10.9





#20
Pyrene
Concen: 444.011 ng/u1
RT: 19.697 min Scan# 30
Delta R.T. 0.064 min
Lab File: BM039802.D
Acq: 02 May 2023 15:05

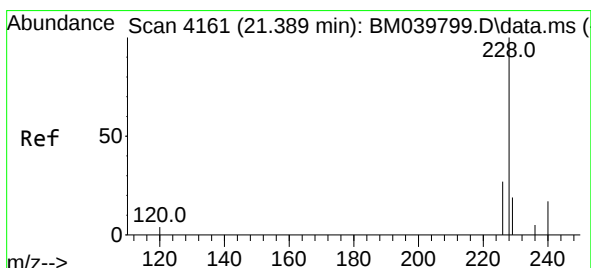
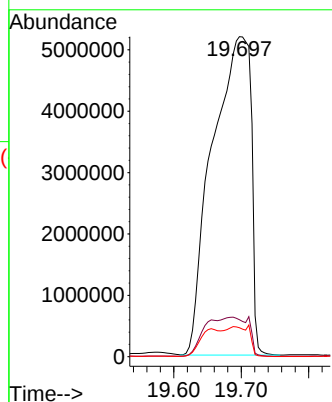
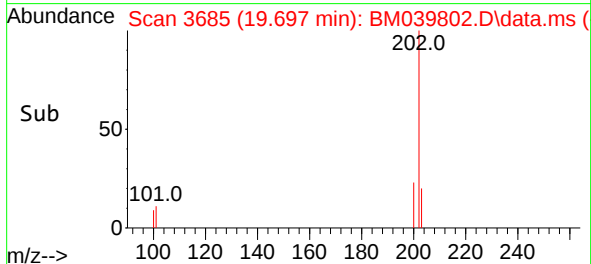
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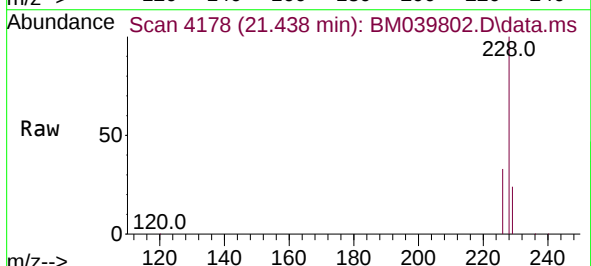
Tgt Ion:202 Resp:20689934
Ion Ratio Lower Upper
202 100
101 11.6 10.9 16.3
100 9.0 8.9 13.3

Manual Integrations
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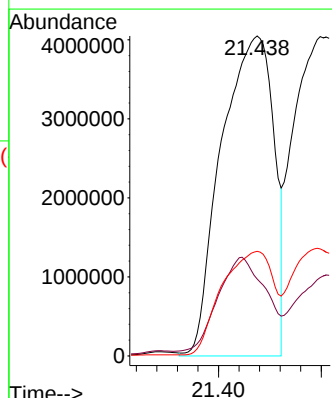
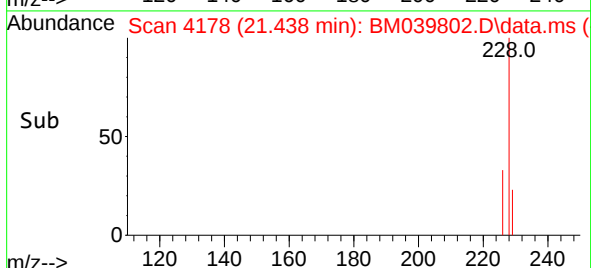
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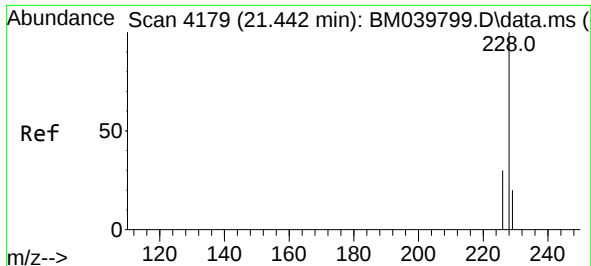


#21
Benzo(a)anthracene
Concen: 412.822 ng/u1 m
RT: 21.438 min Scan# 4178
Delta R.T. 0.048 min
Lab File: BM039802.D
Acq: 02 May 2023 15:05



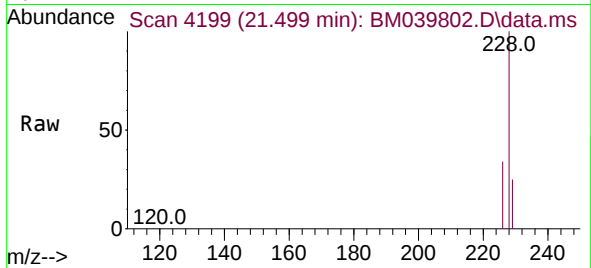
Tgt Ion:228 Resp:14355846
Ion Ratio Lower Upper
228 100
229 24.1 16.2 24.2
226 32.7 21.6 32.4#





#22
Chrysene
Concen: 298.989 ng/ul m
RT: 21.499 min Scan# 4179
Delta R.T. 0.057 min
Lab File: BM039802.D
Acq: 02 May 2023 15:05

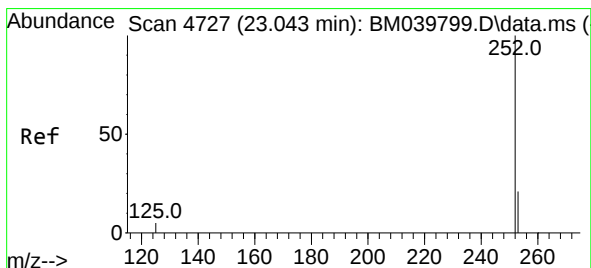
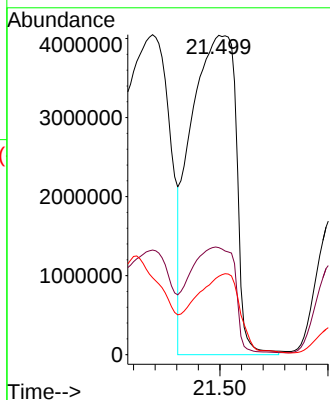
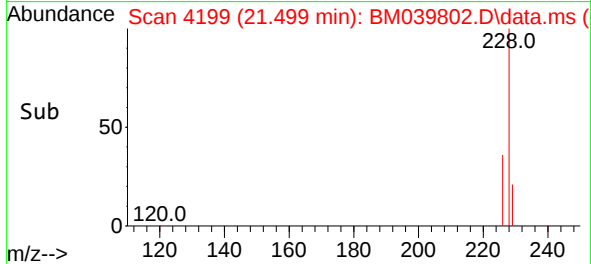
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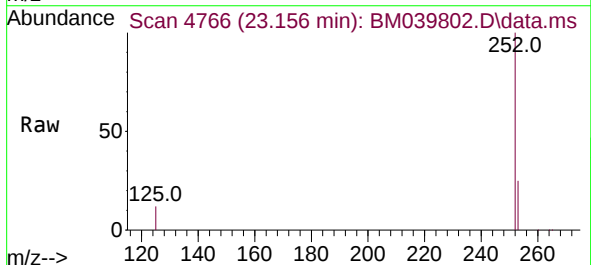
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Ion Ratio Lower Upper
228 100
226 33.5 24.3 36.5
229 24.6 15.9 23.9

Manual Integrations
APPROVED

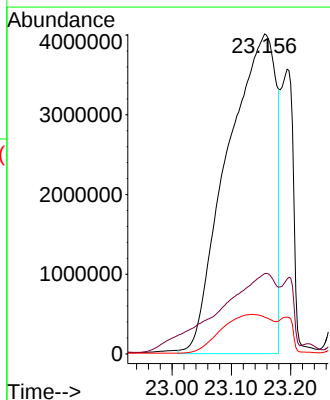
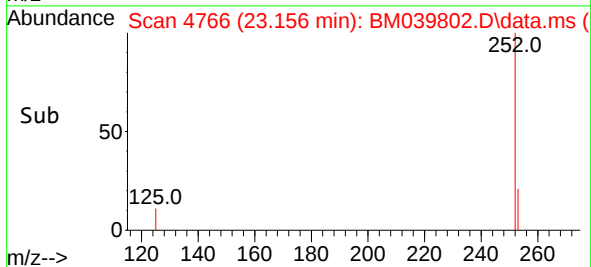
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023

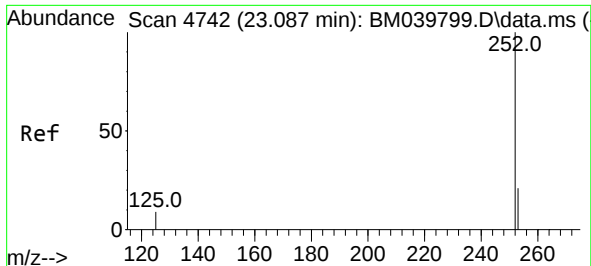


#24
Benzo(b)fluoranthene
Concen: 239.323 ng/ul m
RT: 23.156 min Scan# 4766
Delta R.T. 0.113 min
Lab File: BM039802.D
Acq: 02 May 2023 15:05



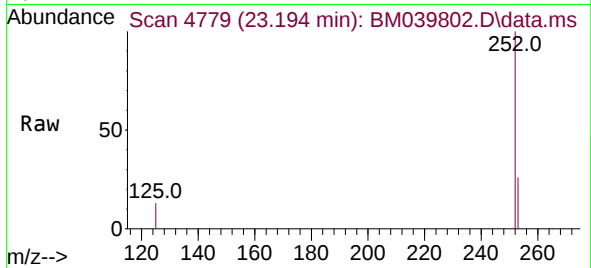
Tgt Ion:252 Resp:22854514
Ion Ratio Lower Upper
252 100
253 25.1 0.0 52.8
125 11.5 0.0 31.6





#25
Benzo(k)fluoranthene
Concen: 55.816 ng/ul m
RT: 23.194 min Scan# 4779
Delta R.T. 0.107 min
Lab File: BM039802.D
Acq: 02 May 2023 15:05

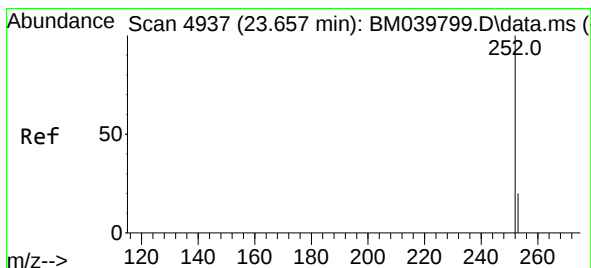
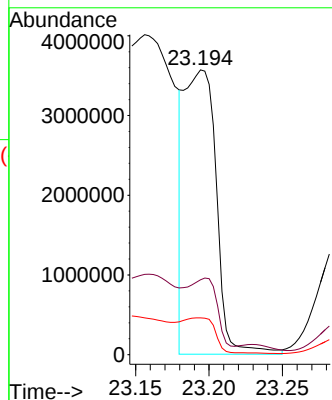
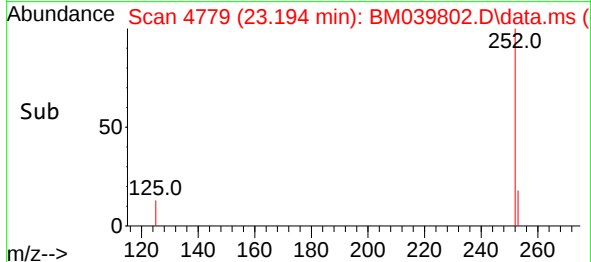
Instrument :
BNA_M
ClientSampleId :
EW904RE



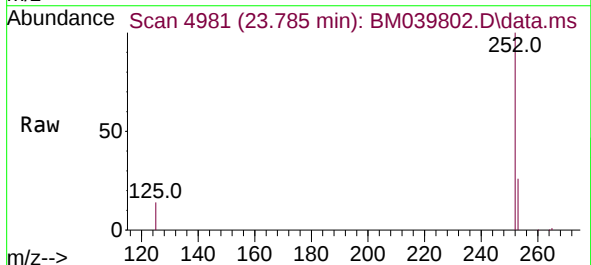
Tgt Ion:252 Resp: 5427359
Ion Ratio Lower Upper
252 100
253 26.3 21.3 31.9
125 12.9 13.0 19.6

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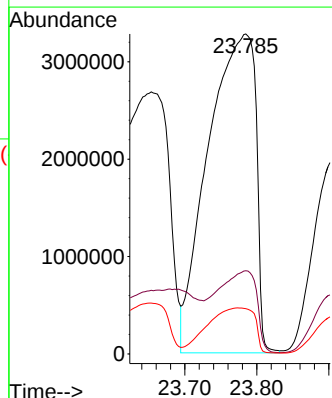
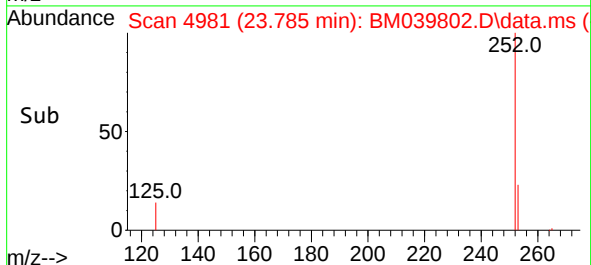
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023

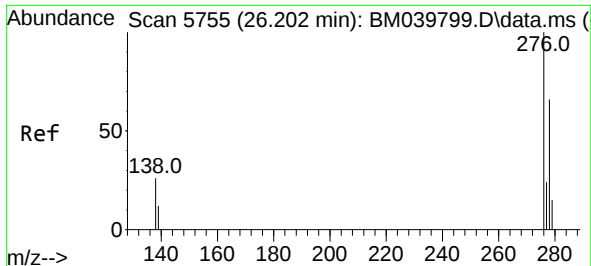


#26
Benzo(a)pyrene
Concen: 176.534 ng/ul m
RT: 23.785 min Scan# 4981
Delta R.T. 0.127 min
Lab File: BM039802.D
Acq: 02 May 2023 15:05



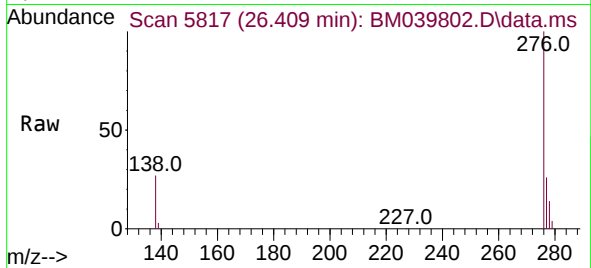
Tgt Ion:252 Resp:15135917
Ion Ratio Lower Upper
252 100
253 26.0 24.7 37.1
125 14.2 16.5 24.7#





#27
Indeno(1,2,3-cd)pyrene
Concen: 150.624 ng/ul m
RT: 26.409 min Scan# 5817
Delta R.T. 0.207 min
Lab File: BM039802.D
Acq: 02 May 2023 15:05

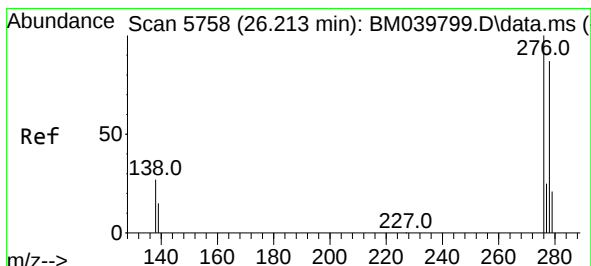
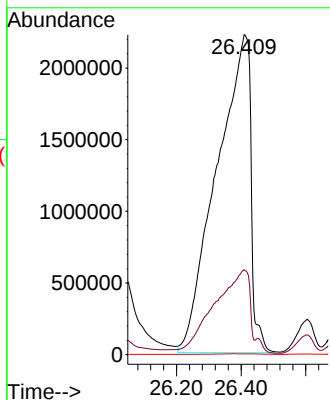
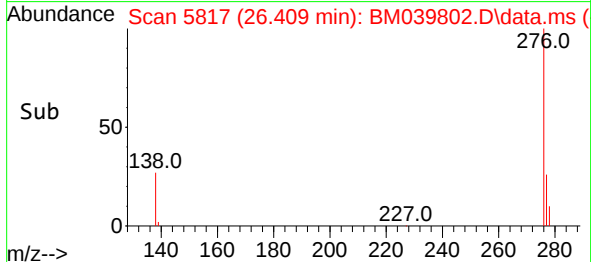
Instrument :
BNA_M
ClientSampleId :
EW904RE



Tgt Ion: 276 Resp: 16329924
Ion Ratio Lower Upper
276 100
138 2.1 21.1 31.7
227 0.0 0.1 0.1

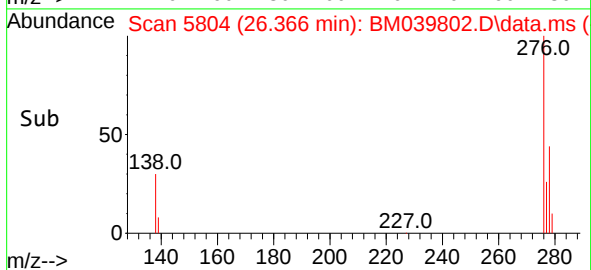
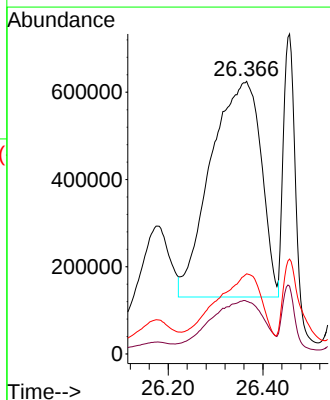
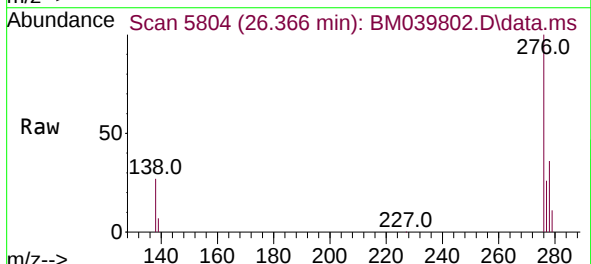
Manual Integrations
APPROVED

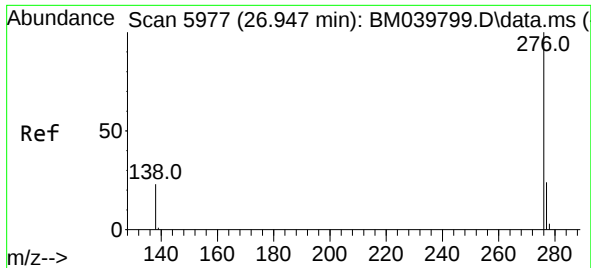
Reviewed By : Christian Giraldo 05/03/2023
Supervised By : Jagrut Upadhyay 05/04/2023



#28
Dibenzo(a,h)anthracene
Concen: 43.339 ng/ul m
RT: 26.366 min Scan# 5804
Delta R.T. 0.153 min
Lab File: BM039802.D
Acq: 02 May 2023 15:05

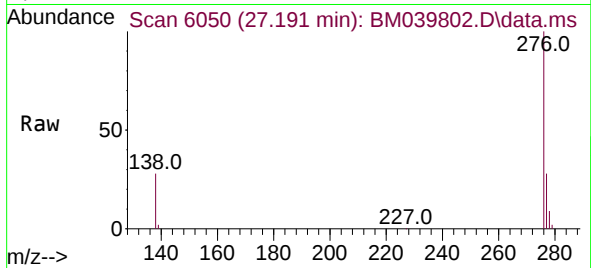
Tgt Ion: 278 Resp: 3646856
Ion Ratio Lower Upper
278 100
139 19.3 17.0 25.6
279 29.4 23.4 35.2





#29
Benzo(g,h,i)perylene
Concen: 144.075 ng/ul m
RT: 27.191 min Scan# 60
Delta R.T. 0.244 min
Lab File: BM039802.D
Acq: 02 May 2023 15:05

Instrument :
BNA_M
ClientSampleId :
EW904RE



Tgt Ion:276 Resp:1361048
Ion Ratio Lower Upper
276 100
138 28.4 20.1 30.1
277 28.4 20.1 30.1

Manual Integrations
APPROVED

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

