

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
 Data File : BM039122.D
 Acq On : 23 Mar 2023 18:48
 Operator : CG/JU
 Sample : 02045-08
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC2-20230322

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/24/2023
 Supervised By : Jagrut Upadhyay 03/24/2023

Quant Time: Mar 24 04:31:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 03:36:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.957	152	257894	20.000	ng	-0.01
21) Naphthalene-d8	10.775	136	1010079	20.000	ng	0.00
39) Acenaphthene-d10	14.598	164	568873	20.000	ng	-0.01
64) Phenanthrene-d10	17.345	188	1089530	20.000	ng	0.00
76) Chrysene-d12	21.527	240	971294	20.000	ng	0.00
86) Perylene-d12	23.962	264	1243398	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	2224727	131.062	ng	0.00
7) Phenol-d6	7.128	99	2835328	128.596	ng	0.00
23) Nitrobenzene-d5	9.128	82	1704976	82.914	ng	-0.01
42) 2,4,6-Tribromophenol	16.092	330	858011	130.378	ng	0.00
45) 2-Fluorobiphenyl	13.227	172	3507407	80.263	ng	0.00
79) Terphenyl-d14	19.968	244	4396305	82.755	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.822	128	228427	3.966	ng	99
71) Phenanthrene	17.386	178	882990	13.809	ng	100
72) Anthracene	17.480	178	209850	3.291	ng	99
74) Di-n-butylphthalate	18.315	149	51055	2.491	ng	# 98
75) Fluoranthene	19.403	202	1267569	18.774	ng	100
78) Pyrene	19.762	202	1171573	16.059	ng	99
81) Benzo(a)anthracene	21.509	228	643225	9.196	ng	97
83) Chrysene	21.562	228	576980	8.481	ng	98
84) Bis(2-ethylhexyl)phtha...	21.433	149	40155	3.334	ng	96
87) Indeno(1,2,3-cd)pyrene	26.479	276	480056	5.074	ng	97
88) Benzo(b)fluoranthene	23.215	252	867762	10.924	ng	97
89) Benzo(k)fluoranthene	23.262	252	273142m	3.304	ng	
90) Benzo(a)pyrene	23.844	252	639661	8.367	ng	97
92) Benzo(g,h,i)perylene	27.262	276	467470	5.963	ng	99

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

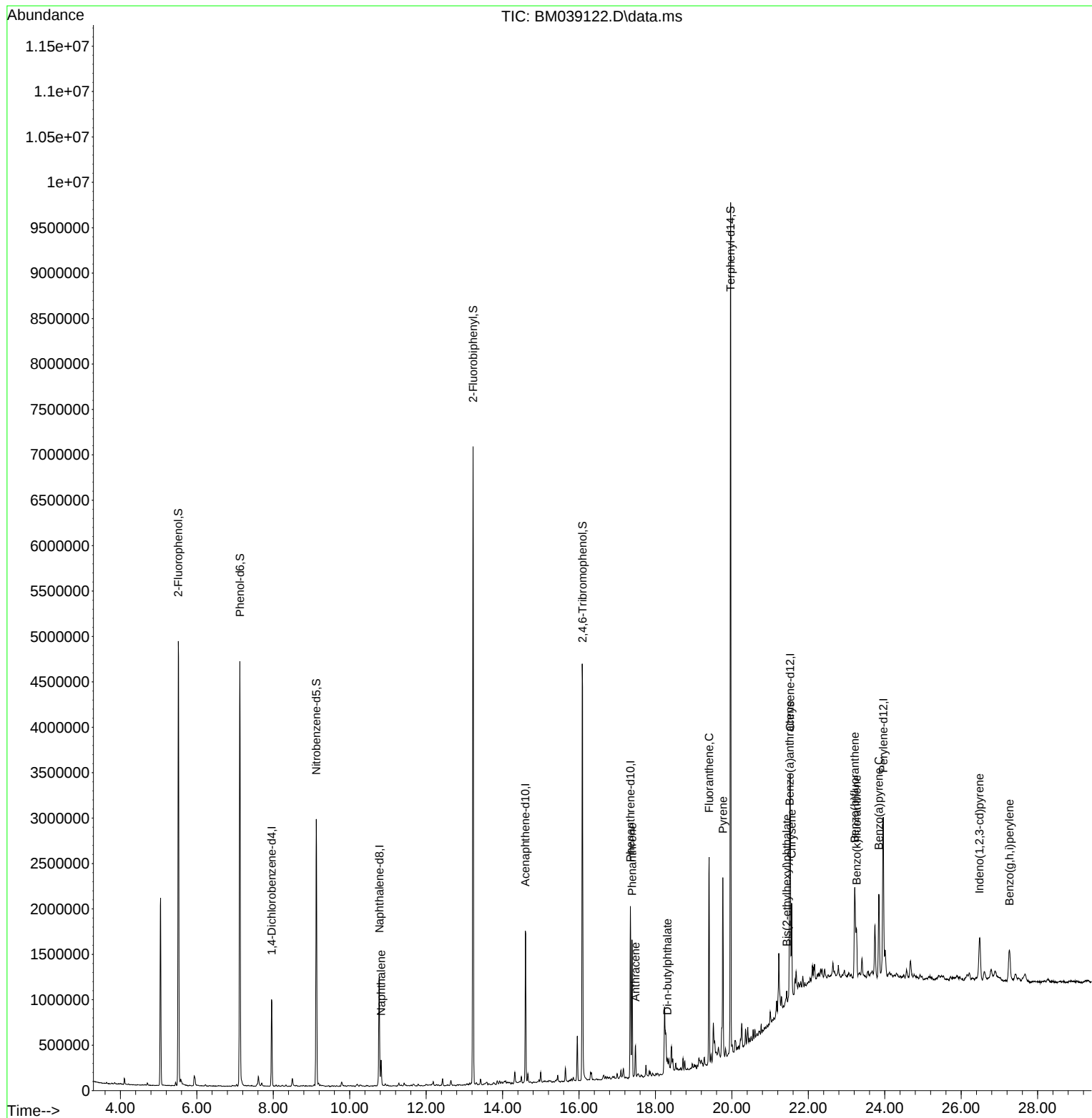
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
Data File : BM039122.D
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ALS Vial : 5 Sample Multiplier: 1

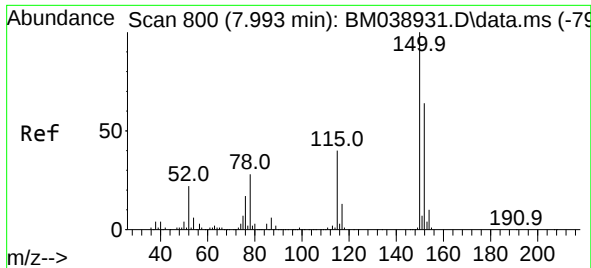
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 22 03:36:20 2023
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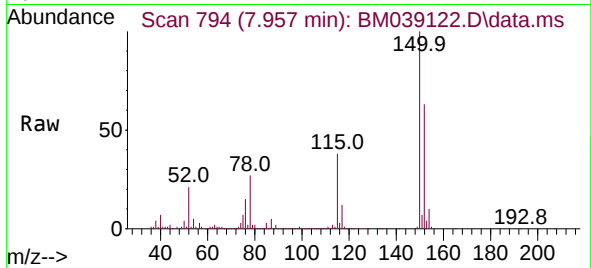
Reviewed By : Christian Giraldo 03/24/2023
Supervised By : Jagrut Upadhyay 03/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.957 min Scan# 79
Delta R.T. -0.012 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

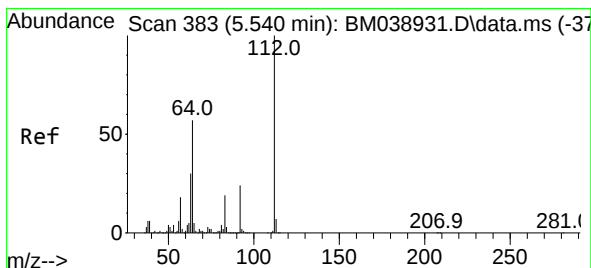
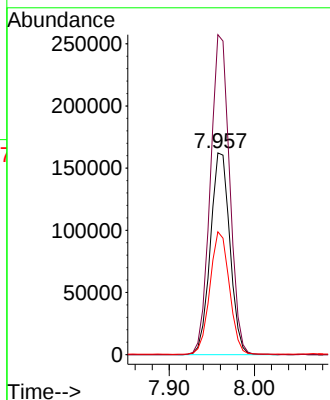
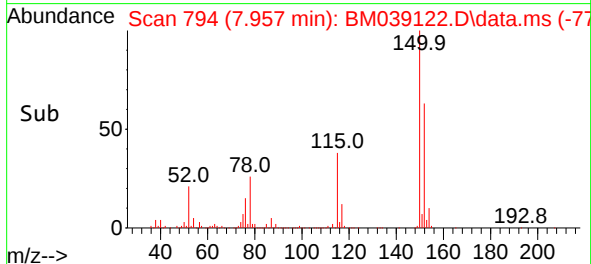
Instrument :
BNA_M
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WC2-20230322



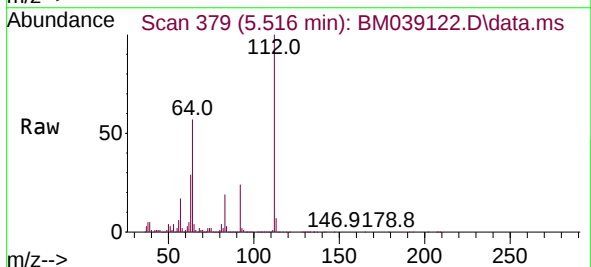
Tgt Ion:152 Resp: 257894
Ion Ratio Lower Upper
152 100
150 158.7 125.1 187.7
115 60.9 49.6 74.4

Manual Integrations
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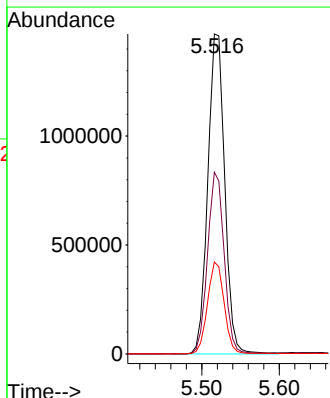
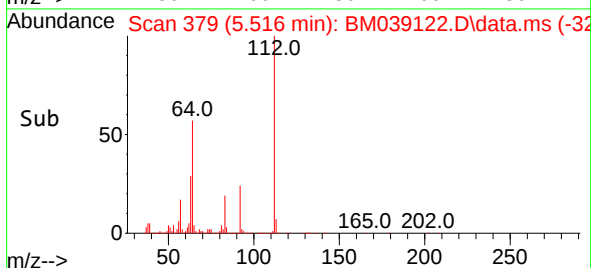
Reviewed By :Christian Giraldo 03/24/2023
Supervised By :Jagrut Upadhyay 03/24/2023



#5
2-Fluorophenol
Concen: 131.062 ng
RT: 5.516 min Scan# 379
Delta R.T. -0.006 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48



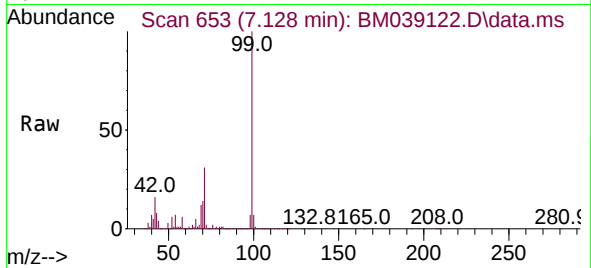
Tgt Ion:112 Resp: 2224727
Ion Ratio Lower Upper
112 100
64 56.8 45.9 68.9
63 28.8 23.8 35.8





#7
Phenol-d6
Concen: 128.596 ng
RT: 7.128 min Scan# 653
Delta R.T. -0.000 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

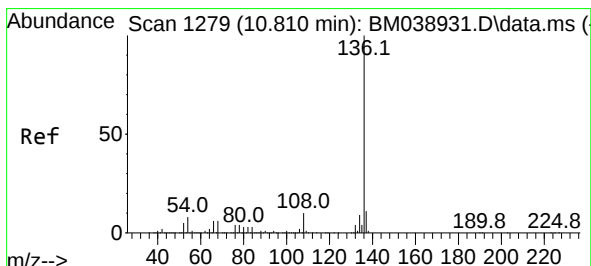
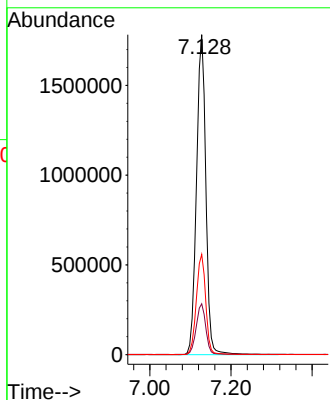
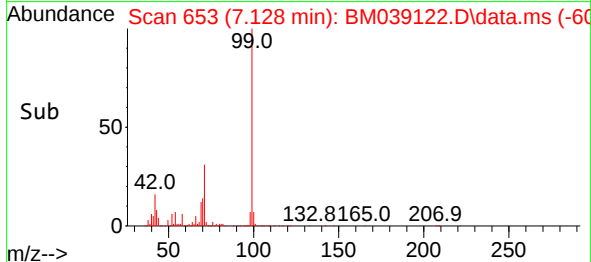
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BNA_M
ClientSampleId :
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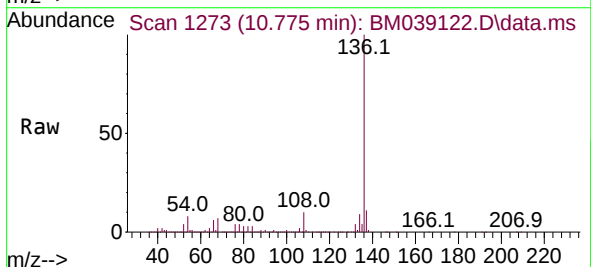
Tgt Ion: 99 Resp: 2835328
Ion Ratio Lower Upper
99 100
42 15.9 13.5 20.3
71 31.4 25.6 38.4

Manual Integrations
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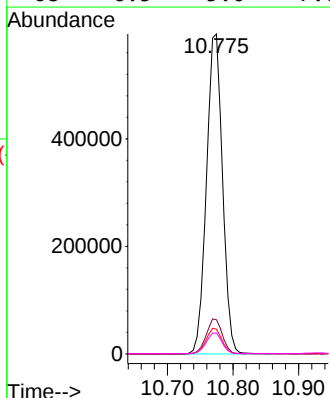
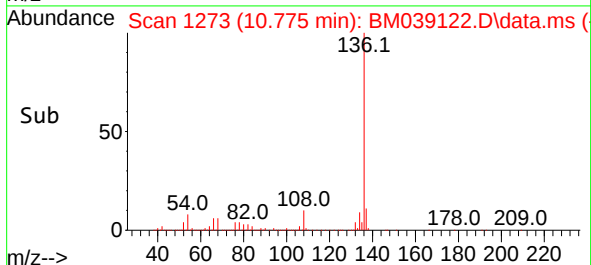
Reviewed By :Christian Giraldo 03/24/2023
Supervised By :Jagrut Upadhyay 03/24/2023

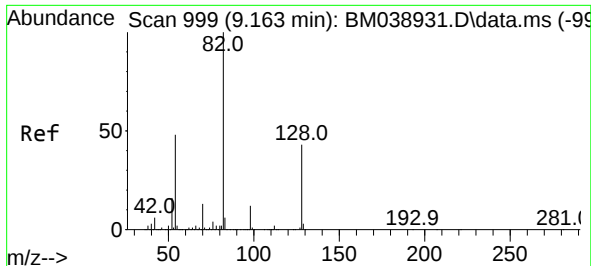


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.775 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48



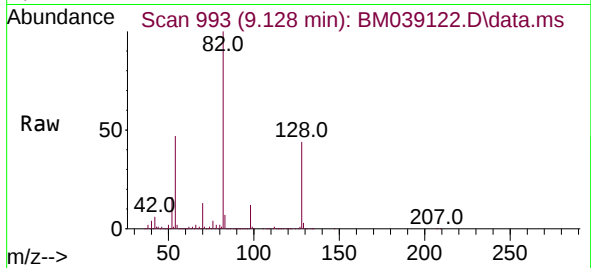
Tgt Ion:136 Resp: 1010079
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 7.7 6.3 9.5
68 6.5 5.0 7.6





#23
Nitrobenzene-d5
Concen: 82.914 ng
RT: 9.128 min Scan# 999
Delta R.T. -0.012 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

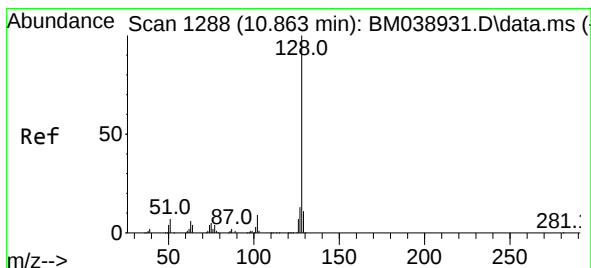
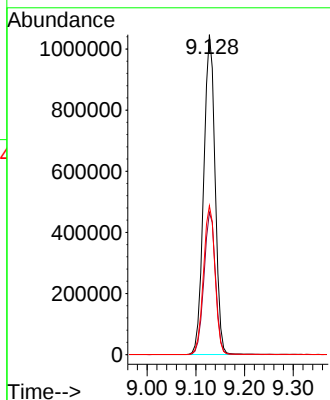
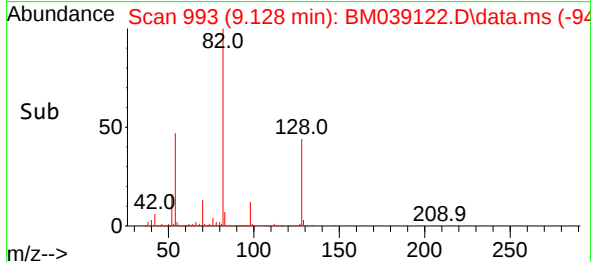
Instrument :
BNA_M
ClientSampleId :
WC2-20230322



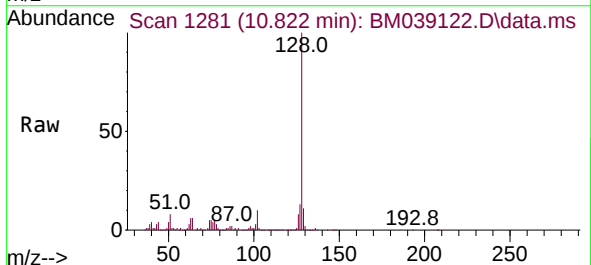
Tgt Ion: 82 Resp: 1704976
Ion Ratio Lower Upper
82 100
128 44.4 34.4 51.6
54 46.6 38.8 58.2

Manual Integrations
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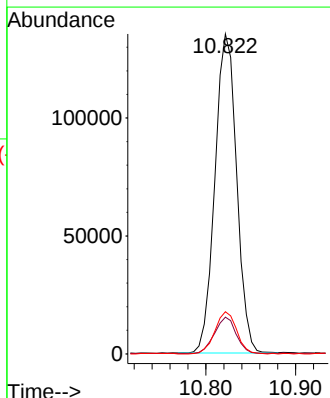
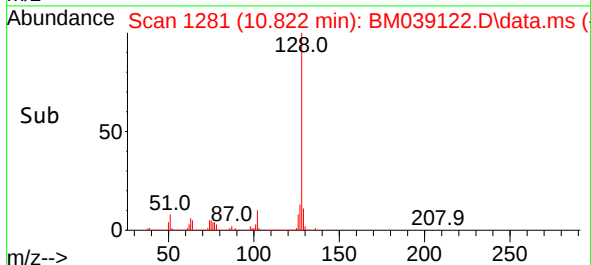
Reviewed By :Christian Giraldo 03/24/2023
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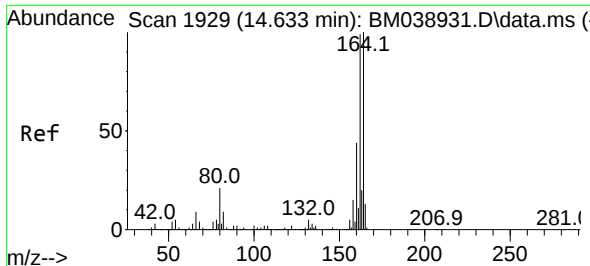


#31
Naphthalene
Concen: 3.966 ng
RT: 10.822 min Scan# 1281
Delta R.T. -0.012 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48



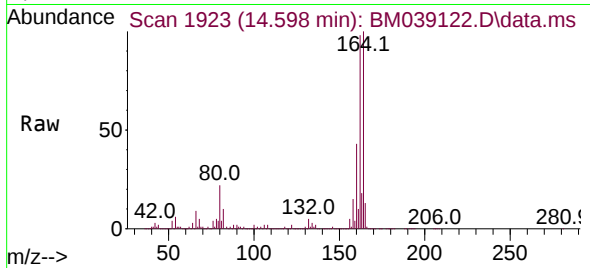
Tgt Ion:128 Resp: 228427
Ion Ratio Lower Upper
128 100
129 11.5 8.6 13.0
127 13.2 10.2 15.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.598 min Scan# 1923
Delta R.T. -0.012 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

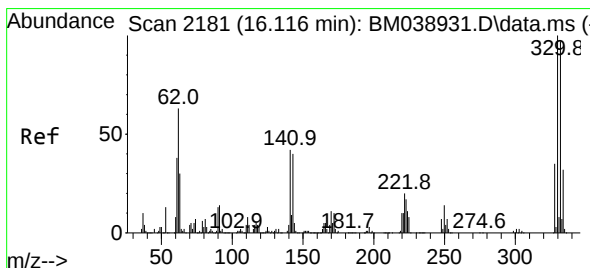
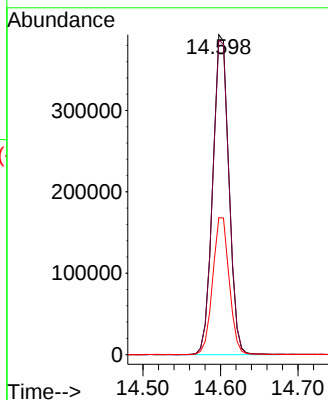
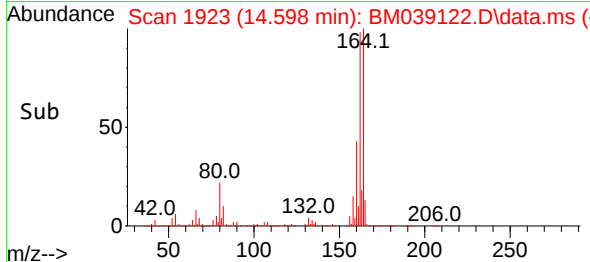
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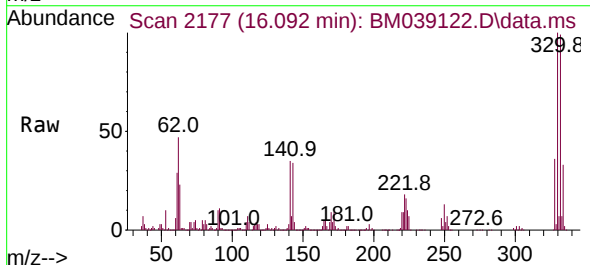
Tgt Ion:164 Resp: 568873
Ion Ratio Lower Upper
164 100
162 98.3 79.2 118.8
160 42.8 35.5 53.3

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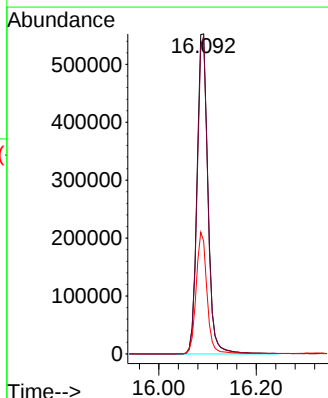
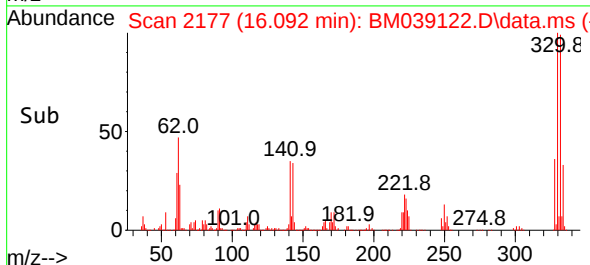
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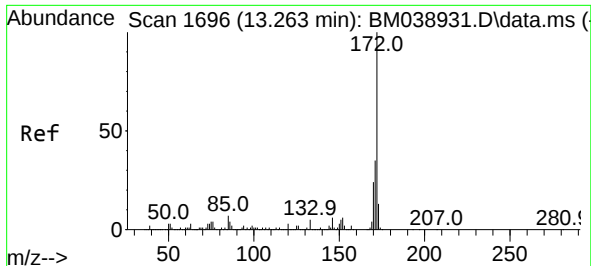


#42
2,4,6-Tribromophenol
Concen: 130.378 ng
RT: 16.092 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48



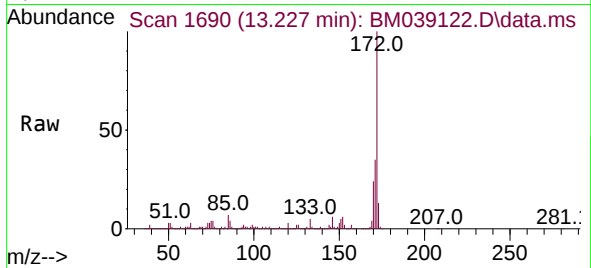
Tgt Ion:330 Resp: 858011
Ion Ratio Lower Upper
330 100
332 97.0 77.4 116.0
141 37.2 32.2 48.4





#45
2-Fluorobiphenyl
Concen: 80.263 ng
RT: 13.227 min Scan# 1696
Delta R.T. -0.006 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

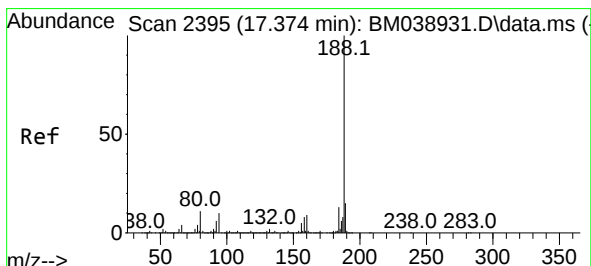
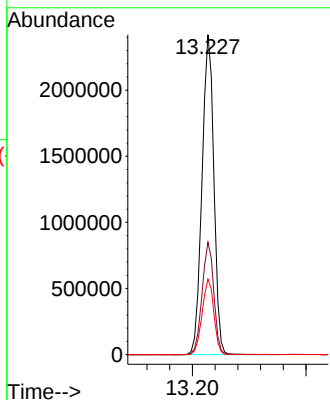
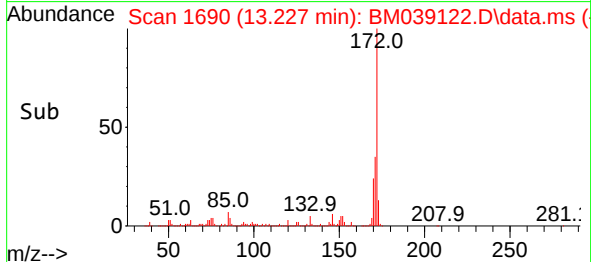
Instrument :
BNA_M
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Tgt Ion:172 Resp: 350740
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.2
170 23.6 19.1 28.7

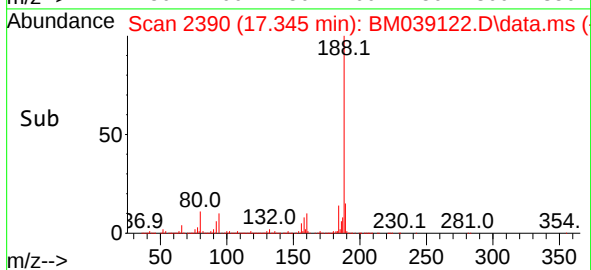
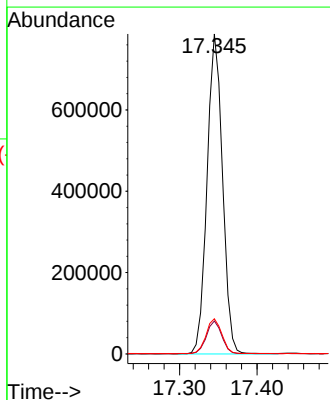
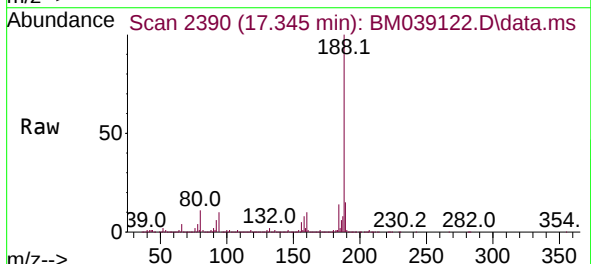
Manual Integrations
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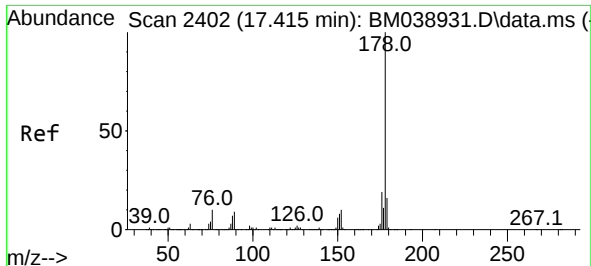
Reviewed By :Christian Giraldo 03/24/2023
Supervised By :Jagrut Upadhyay 03/24/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.345 min Scan# 2390
Delta R.T. -0.006 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

Tgt Ion:188 Resp: 1089530
Ion Ratio Lower Upper
188 100
94 10.3 7.9 11.9
80 11.0 8.5 12.7





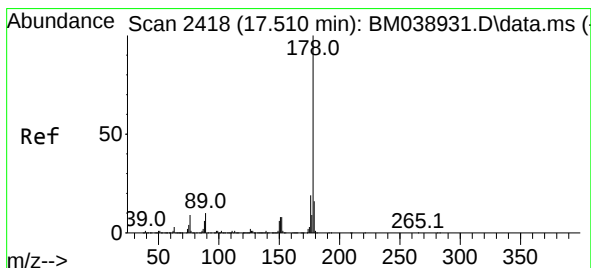
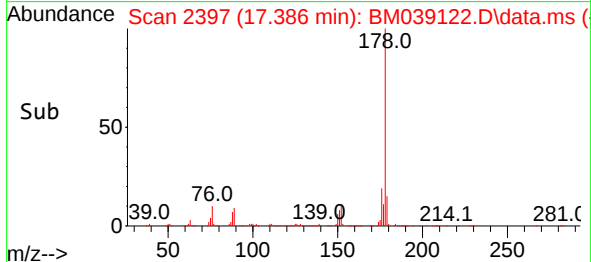
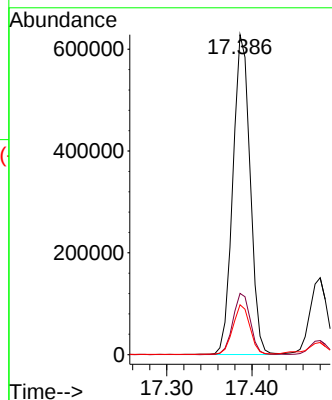
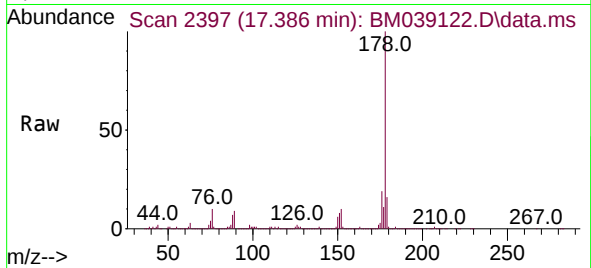
#71
Phenanthrene
Concen: 13.809 ng
RT: 17.386 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

Instrument :
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ClientSampleId :
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Tgt Ion:178 Resp: 882990
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.6 12.5 18.7

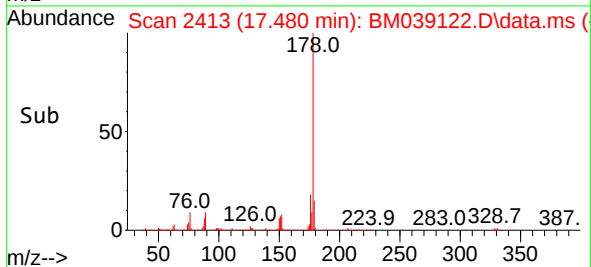
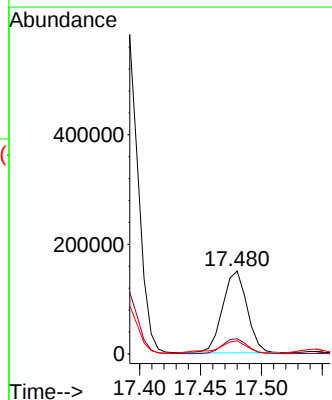
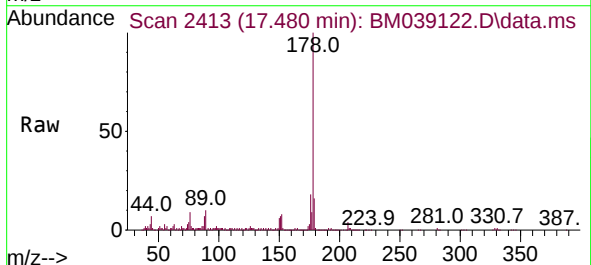
Manual Integrations
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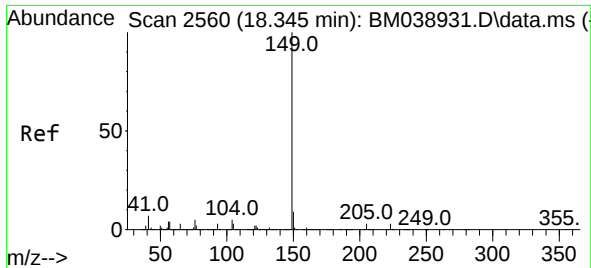
Reviewed By :Christian Giraldo 03/24/2023
Supervised By :Jagrut Upadhyay 03/24/2023



#72
Anthracene
Concen: 3.291 ng
RT: 17.480 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

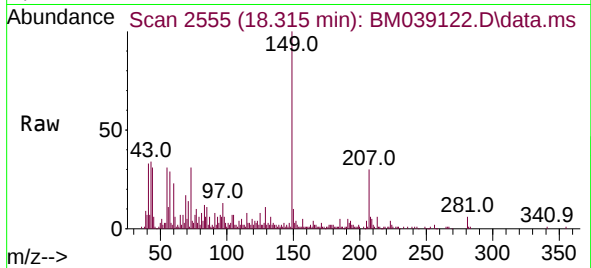
Tgt Ion:178 Resp: 209850
Ion Ratio Lower Upper
178 100
176 18.3 15.3 22.9
179 15.7 12.5 18.7





#74
Di-n-butylphthalate
Concen: 2.491 ng
RT: 18.315 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

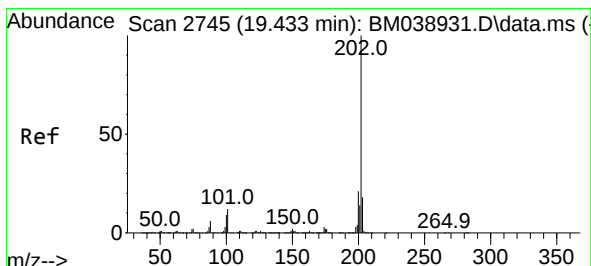
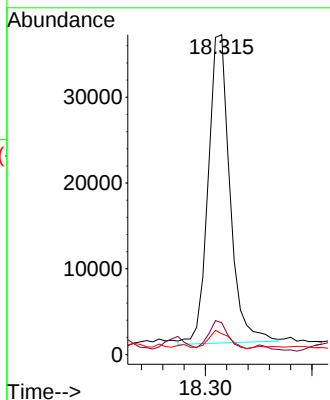
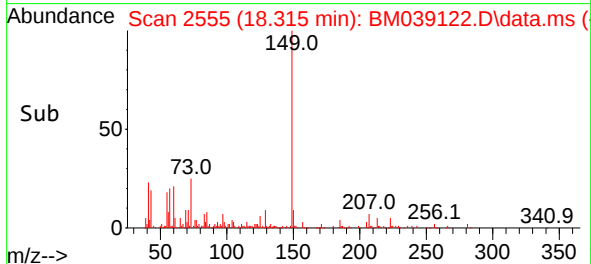
Instrument :
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Tgt Ion:149 Resp: 51055
Ion Ratio Lower Upper
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150 10.0 7.4 11.2
104 6.5 4.3 6.5

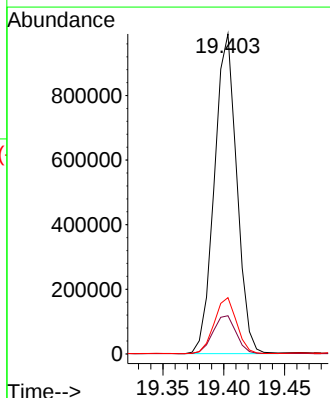
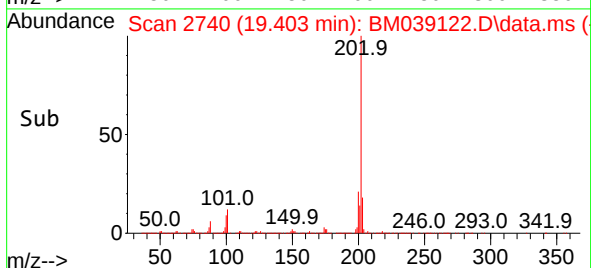
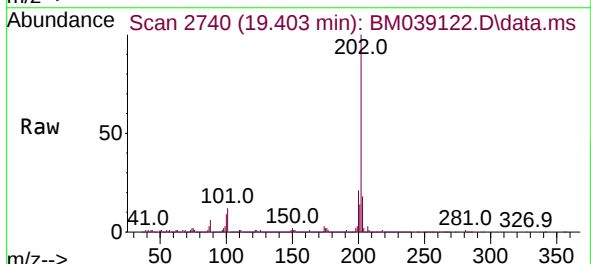
Manual Integrations
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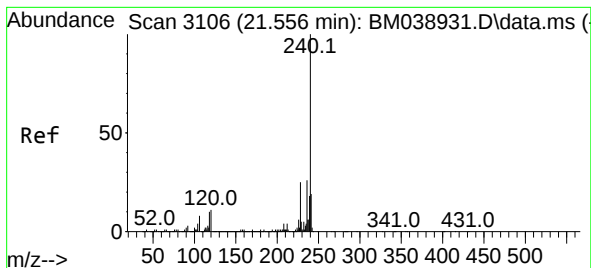
Reviewed By :Christian Giraldo 03/24/2023
Supervised By :Jagrut Upadhyay 03/24/2023



#75
Fluoranthene
Concen: 18.774 ng
RT: 19.403 min Scan# 2740
Delta R.T. -0.006 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

Tgt Ion:202 Resp: 1267569
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.7
203 17.6 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039122.D

Acq: 23 Mar 2023 18:48

Instrument :

BNA_M

ClientSampleId :

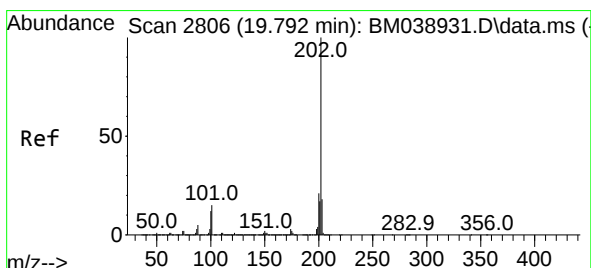
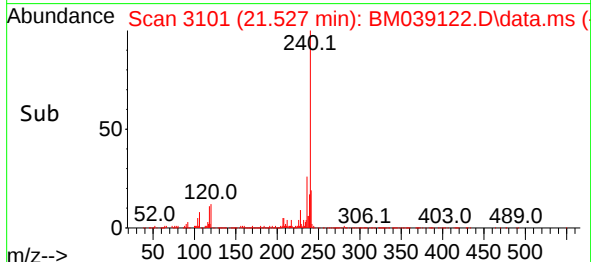
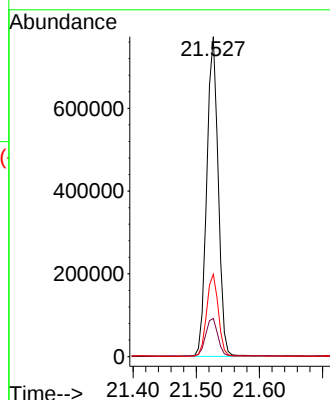
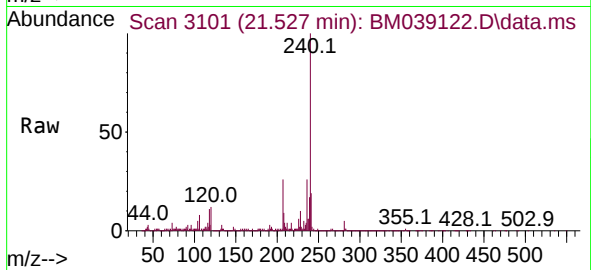
WC2-20230322

Tgt Ion:240 Resp: 971294
 Ion Ratio Lower Upper
 240 100
 120 11.9 9.2 13.8
 236 25.7 20.8 31.2

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Reviewed By :Christian Giraldo 03/24/2023
 Supervised By :Jagrut Upadhyay 03/24/2023



#78

Pyrene

Concen: 16.059 ng

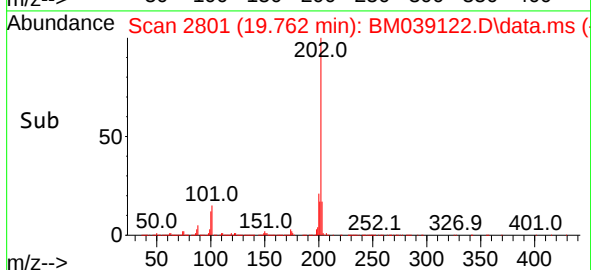
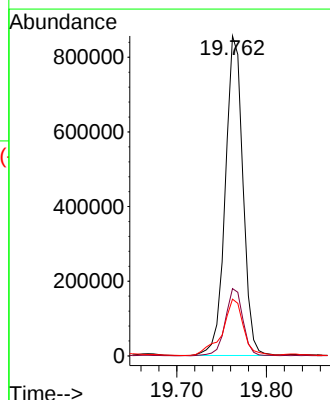
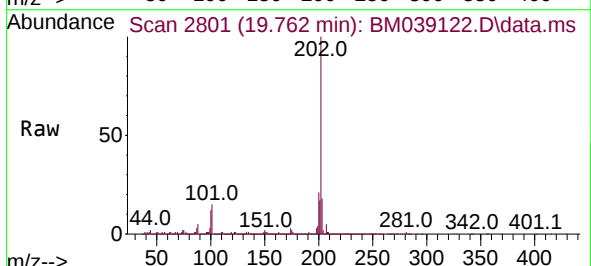
RT: 19.762 min Scan# 2801

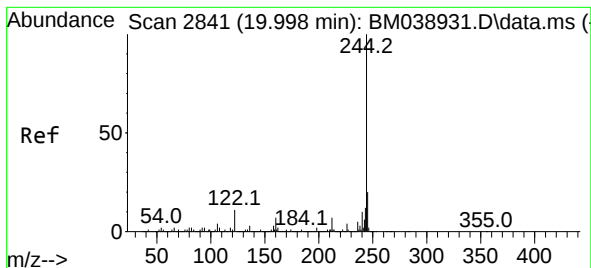
Delta R.T. -0.006 min

Lab File: BM039122.D

Acq: 23 Mar 2023 18:48

Tgt Ion:202 Resp: 1171573
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.1 25.7
 203 17.8 14.1 21.1





#79

Terphenyl-d14

Concen: 82.755 ng

RT: 19.968 min Scan# 2841

Delta R.T. -0.000 min

Lab File: BM039122.D

Acq: 23 Mar 2023 18:48

Instrument :

BNA_M

ClientSampleId :

WC2-20230322

Tgt Ion:244 Resp: 4396305

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

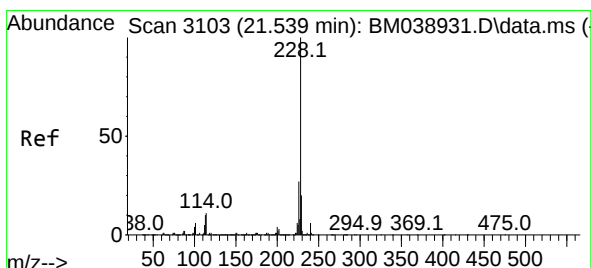
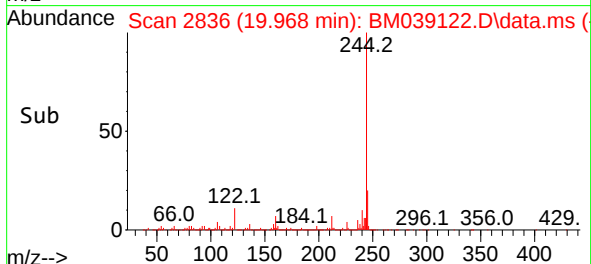
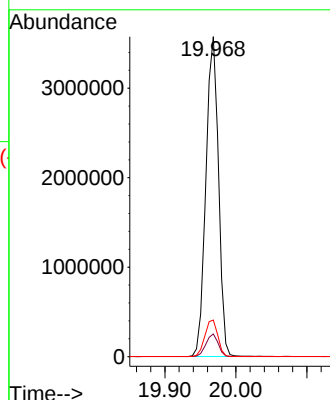
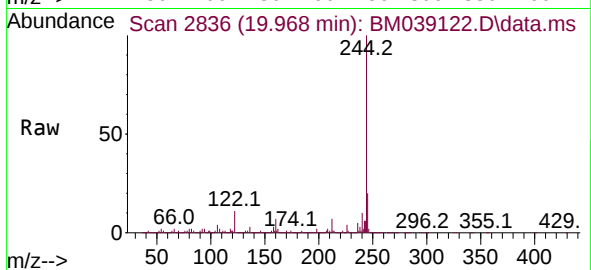
122 11.4 9.0 13.4

Manual Integrations

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Reviewed By :Christian Giraldo 03/24/2023

Supervised By :Jagrut Upadhyay 03/24/2023



#81

Benzo(a)anthracene

Concen: 9.196 ng

RT: 21.509 min Scan# 3098

Delta R.T. -0.006 min

Lab File: BM039122.D

Acq: 23 Mar 2023 18:48

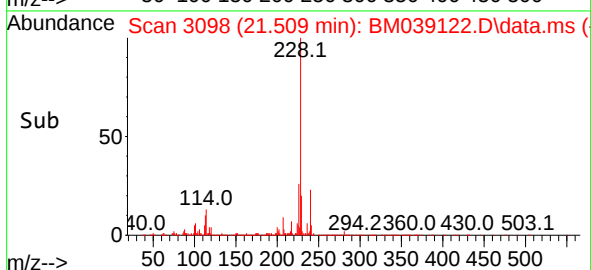
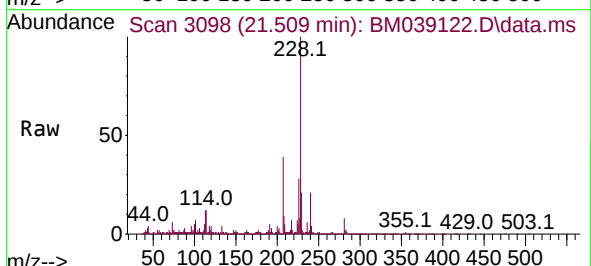
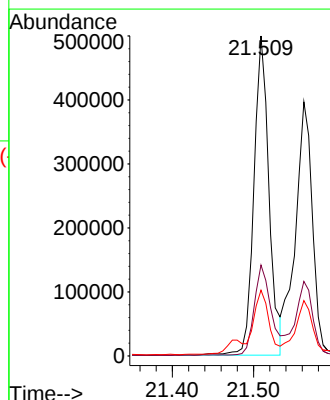
Tgt Ion:228 Resp: 643225

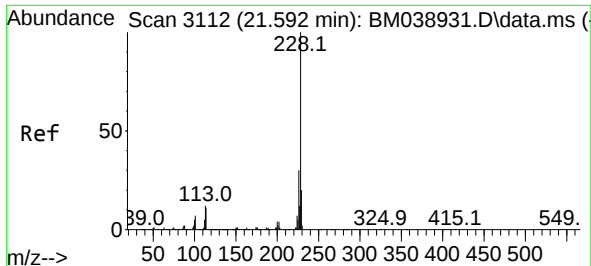
Ion Ratio Lower Upper

228 100

226 28.4 21.4 32.2

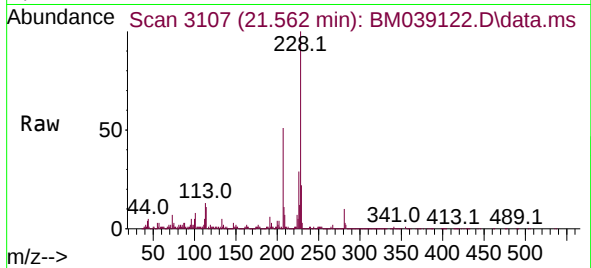
229 20.5 15.7 23.5





#83
Chrysene
Concen: 8.481 ng
RT: 21.562 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

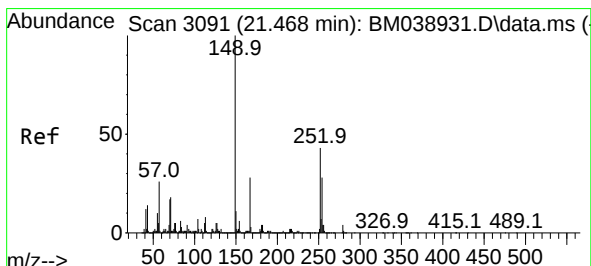
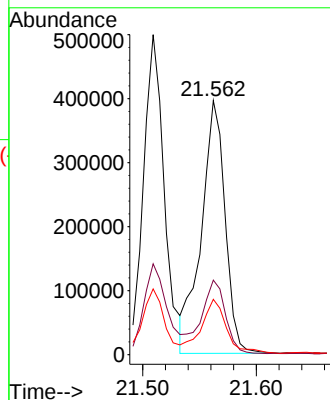
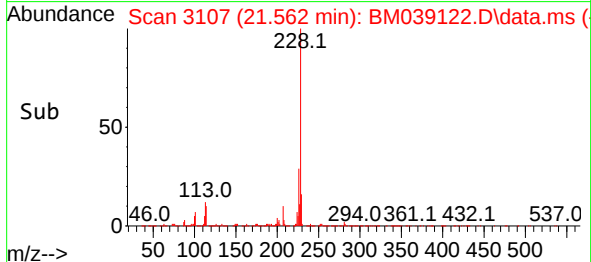
Instrument :
BNA_M
ClientSampleId :
WC2-20230322



Tgt Ion:228 Resp: 576980
Ion Ratio Lower Upper
228 100
226 29.3 24.0 36.0
229 21.8 16.0 24.0

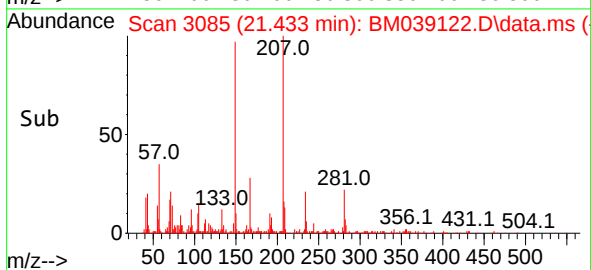
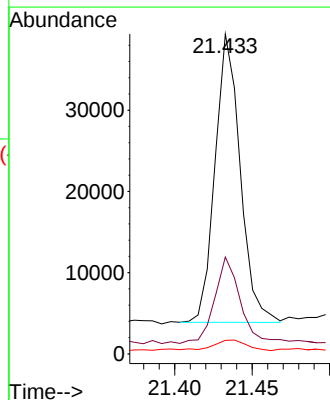
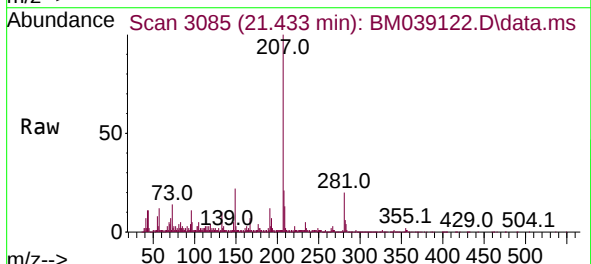
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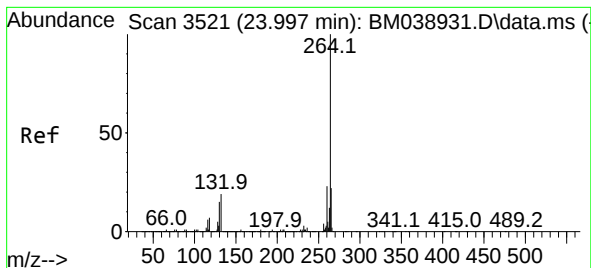
Reviewed By :Christian Giraldo 03/24/2023
Supervised By :Jagrut Upadhyay 03/24/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.334 ng
RT: 21.433 min Scan# 3085
Delta R.T. -0.006 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

Tgt Ion:149 Resp: 40155
Ion Ratio Lower Upper
149 100
167 30.3 22.3 33.5
279 4.2 3.2 4.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.962 min Scan# 3515

Delta R.T. -0.000 min

Lab File: BM039122.D

Acq: 23 Mar 2023 18:48

Instrument :

BNA_M

ClientSampleId :

WC2-20230322

Tgt Ion:264 Resp: 1243398

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

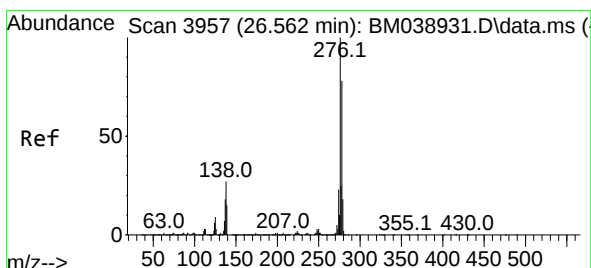
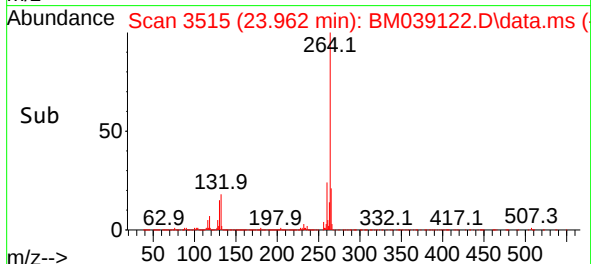
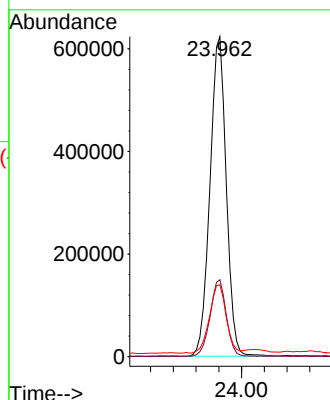
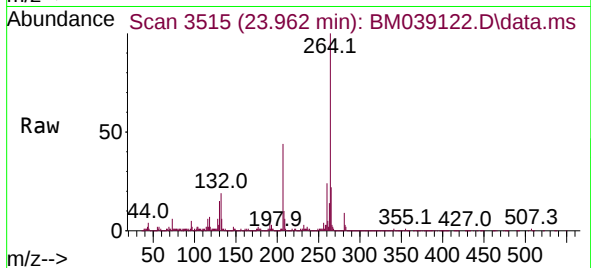
265 22.4 17.9 26.9

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Reviewed By :Christian Giraldo 03/24/2023

Supervised By :Jagrut Upadhyay 03/24/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.074 ng

RT: 26.479 min Scan# 3943

Delta R.T. -0.018 min

Lab File: BM039122.D

Acq: 23 Mar 2023 18:48

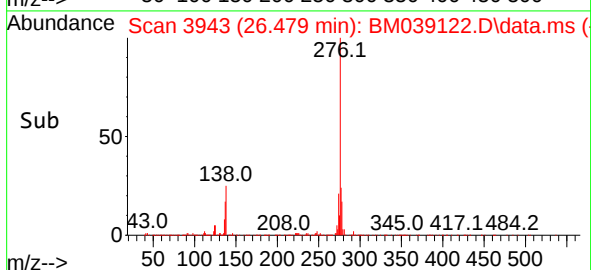
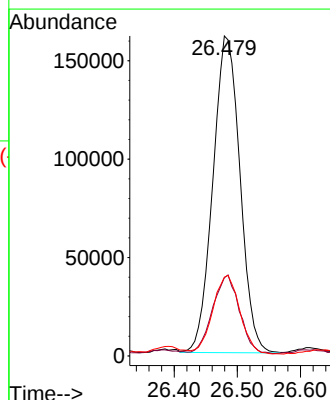
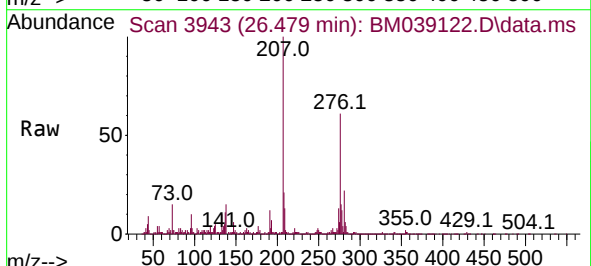
Tgt Ion:276 Resp: 480056

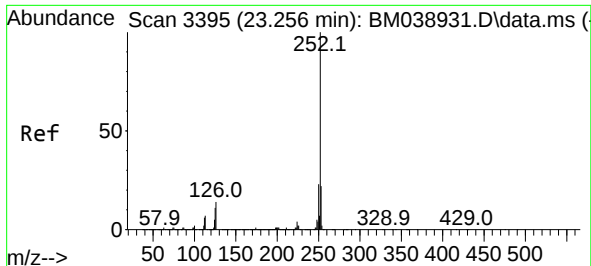
Ion Ratio Lower Upper

276 100

138 24.5 22.1 33.1

277 24.7 20.1 30.1





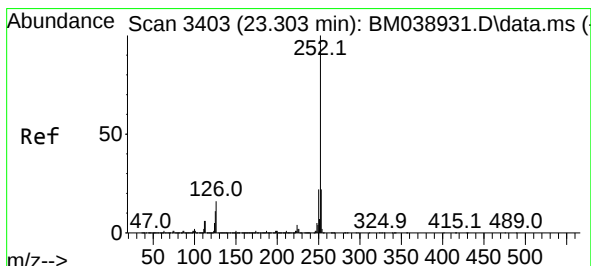
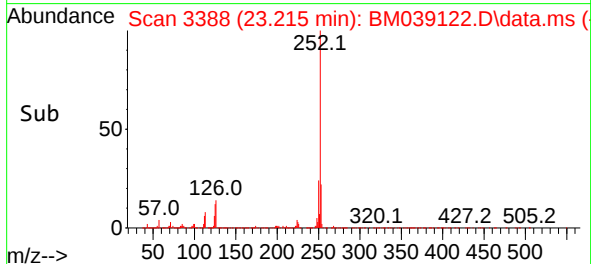
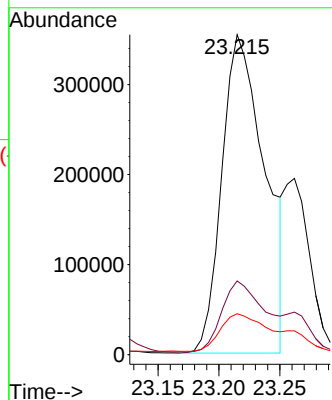
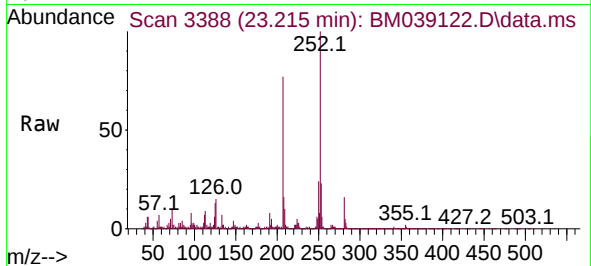
#88
Benzo(b)fluoranthene
Concen: 10.924 ng
RT: 23.215 min Scan# 3388
Delta R.T. -0.006 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

Instrument :
BNA_M
ClientSampleId :
WC2-20230322

Tgt Ion:252 Resp: 867762
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 12.8 8.8 13.2

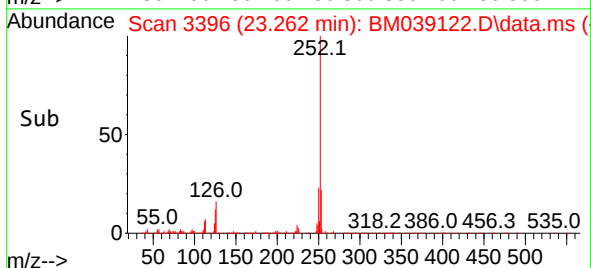
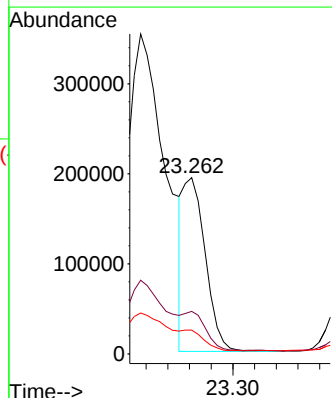
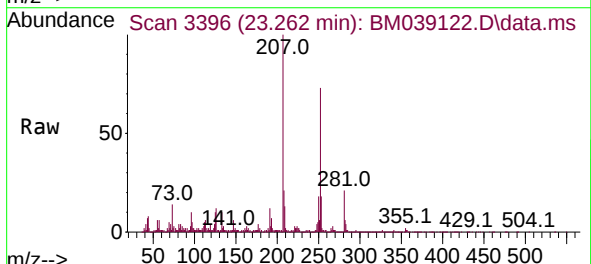
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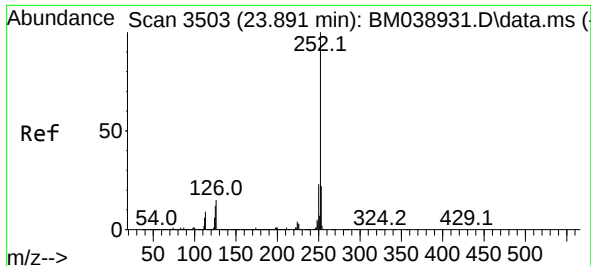
Reviewed By :Christian Giraldo 03/24/2023
Supervised By :Jagrut Upadhyay 03/24/2023



#89
Benzo(k)fluoranthene
Concen: 3.304 ng m
RT: 23.262 min Scan# 3396
Delta R.T. -0.006 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

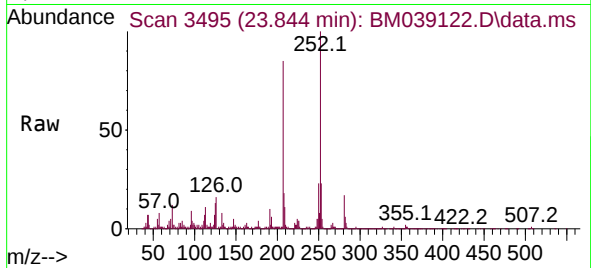
Tgt Ion:252 Resp: 273142
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 13.5 8.9 13.3#





#90
Benzo(a)pyrene
Concen: 8.367 ng
RT: 23.844 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

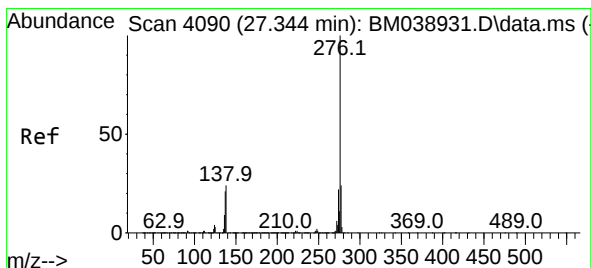
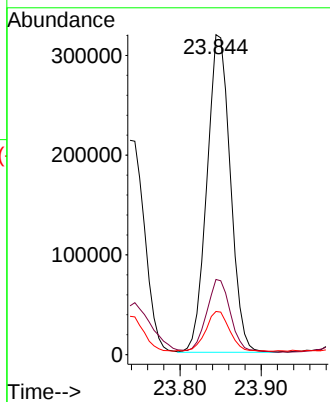
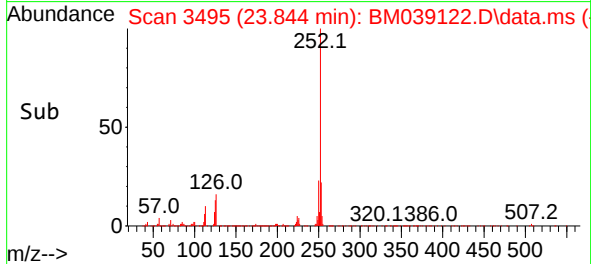
Instrument :
BNA_M
ClientSampleId :
WC2-20230322



Tgt Ion:252 Resp: 63966
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 13.5 9.8 14.8

Manual Integrations
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Reviewed By :Christian Giraldo 03/24/2023
Supervised By :Jagrut Upadhyay 03/24/2023



#92
Benzo(g,h,i)perylene
Concen: 5.963 ng
RT: 27.262 min Scan# 4076
Delta R.T. -0.012 min
Lab File: BM039122.D
Acq: 23 Mar 2023 18:48

Tgt Ion:276 Resp: 467470
Ion Ratio Lower Upper
276 100
277 24.4 19.3 28.9
138 24.4 19.0 28.6

