

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032522\
 Data File : BM034389.D
 Acq On : 25 Mar 2022 17:46
 Operator : CG/JU
 Sample : N2061-01DL2 500X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RW-1-20220321-16.0-17.0DL2

Quant Time: Mar 26 05:39:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 02:40:59 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/28/2022
 Supervised By : Jagrut Upadhyay 03/28/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.936	152	157545	20.000	ng	0.00
21) Naphthalene-d8	10.754	136	623973	20.000	ng	0.00
39) Acenaphthene-d10	14.583	164	363141	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	695485	20.000	ng	0.00
76) Chrysene-d12	21.500	240	656945	20.000	ng	0.00
86) Perylene-d12	23.918	264	729676	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.490	112	1793	0.204	ng	0.00
7) Phenol-d6	7.101	99	2080	0.165	ng	0.00
23) Nitrobenzene-d5	9.107	82	2653m	0.207	ng	0.00
42) 2,4,6-Tribromophenol	16.077	330	822	0.168	ng	0.01
45) 2-Fluorobiphenyl	13.207	172	3804	0.143	ng	0.00
79) Terphenyl-d14	19.936	244	7202	0.190	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.807	128	1666408	51.262	ng	100
37) 2-Methylnaphthalene	12.413	142	490876	21.162	ng	99
38) 1-Methylnaphthalene	12.630	142	626928	27.629	ng	100
46) 1,1'-Biphenyl	13.418	154	108602	3.922	ng	98
49) Acenaphthylene	14.307	152	141826	4.281	ng	# 94
52) Acenaphthene	14.648	154	375427	16.825	ng	99
58) Fluorene	15.630	166	283963	10.519	ng	99
71) Phenanthrene	17.365	178	1637036	42.031	ng	99
72) Anthracene	17.459	178	433361	11.431	ng	99
75) Fluoranthene	19.377	202	568010	13.009	ng	98
78) Pyrene	19.742	202	979194	21.156	ng	99
81) Benzo(a)anthracene	21.483	228	276202m	6.661	ng	
83) Chrysene	21.536	228	240813	5.687	ng	97
87) Indeno(1,2,3-cd)pyrene	26.447	276	100669	2.145	ng	97
88) Benzo(b)fluoranthene	23.183	252	197122m	4.518	ng	
90) Benzo(a)pyrene	23.812	252	242913	6.567	ng	# 98
92) Benzo(g,h,i)perylene	27.218	276	122834	3.118	ng	98

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

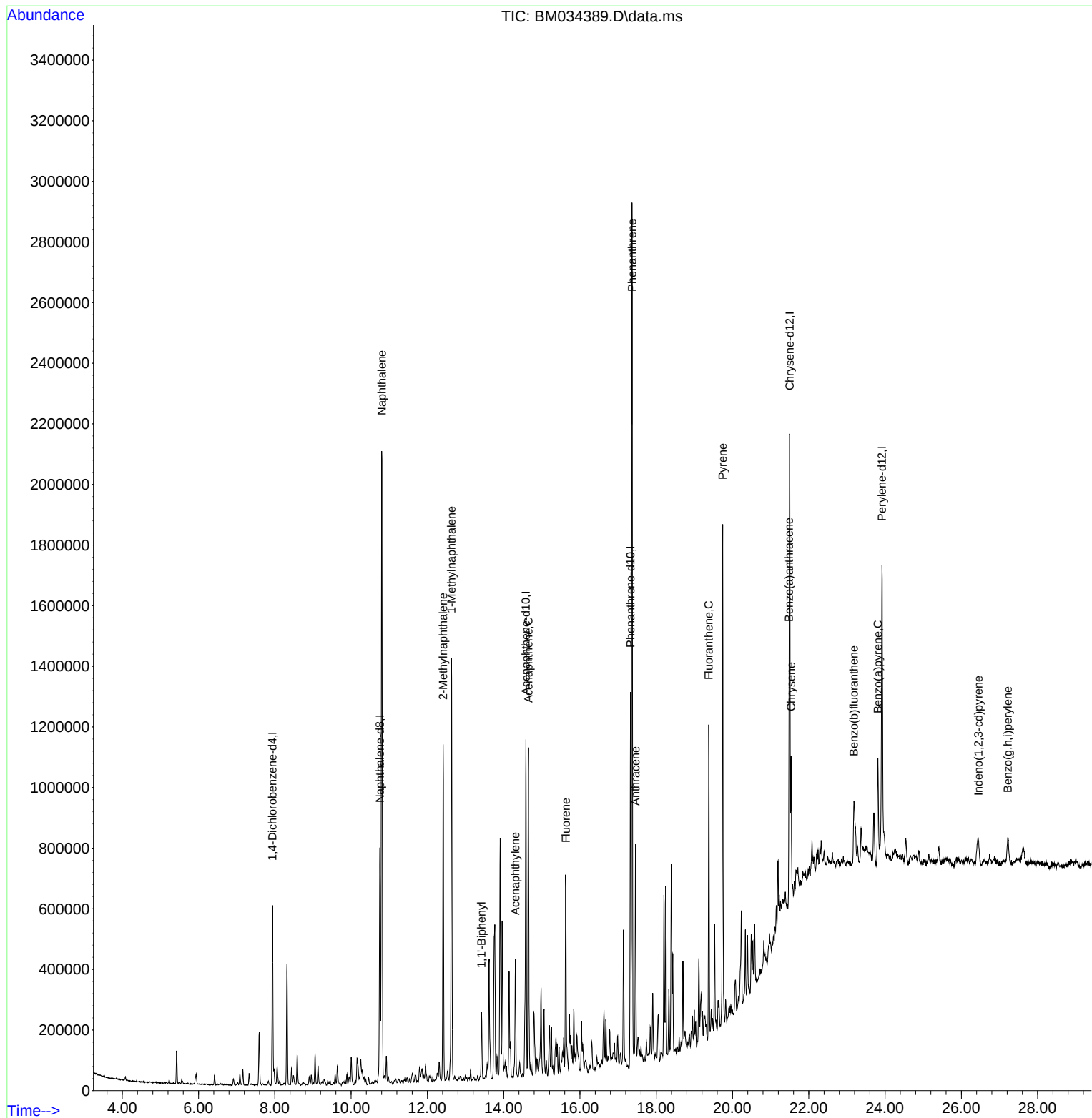
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032522\
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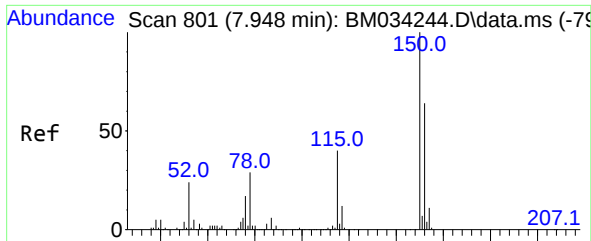
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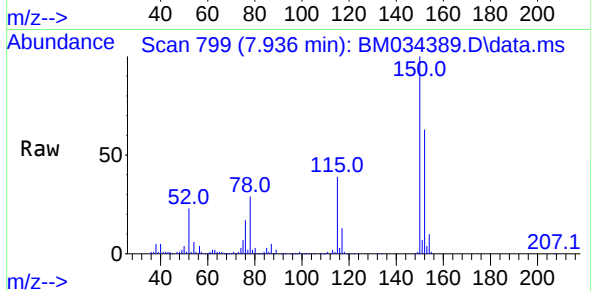
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.936 min Scan# 79
Delta R.T. -0.006 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

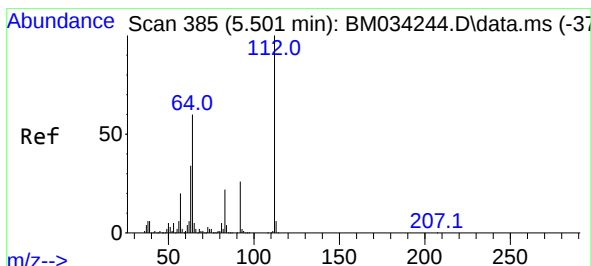
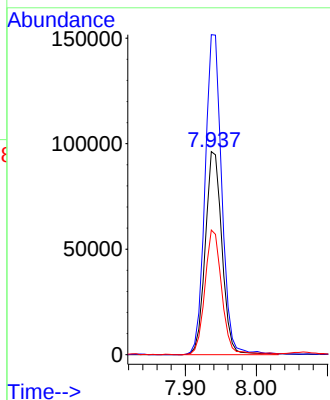
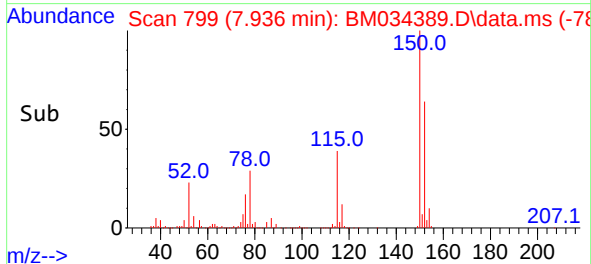
Instrument :
BNA_M
ClientSampleId :
RW-1-20220321-16.0-17.0DL2



Tgt Ion:152 Resp: 15754
Ion Ratio Lower Upper
152 100
150 157.6 125.4 188.2
115 61.4 50.1 75.1

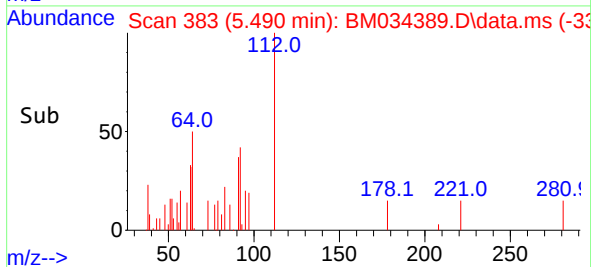
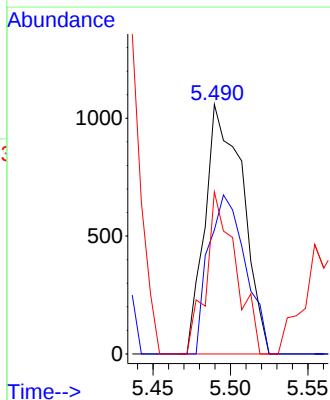
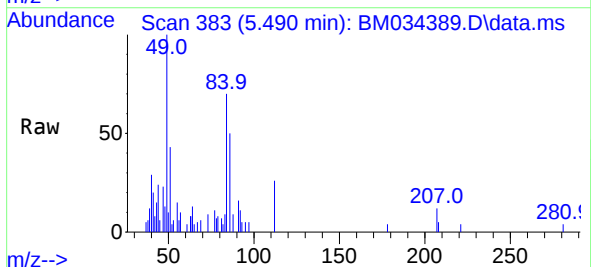
Manual Integrations
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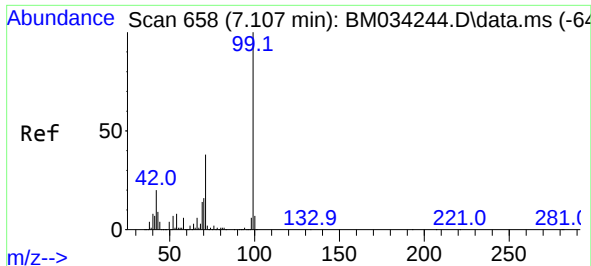
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022



#5
2-Fluorophenol
Concen: 0.204 ng
RT: 5.490 min Scan# 383
Delta R.T. -0.000 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

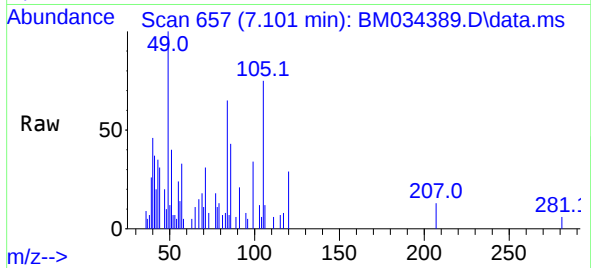
Tgt Ion:112 Resp: 1793
Ion Ratio Lower Upper
112 100
64 49.7 47.9 71.9
63 65.0 27.1 40.7#





#7
Phenol-d6
Concen: 0.165 ng
RT: 7.101 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

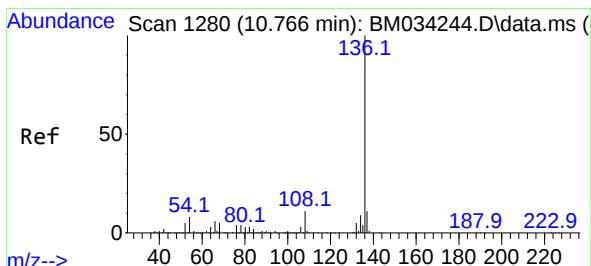
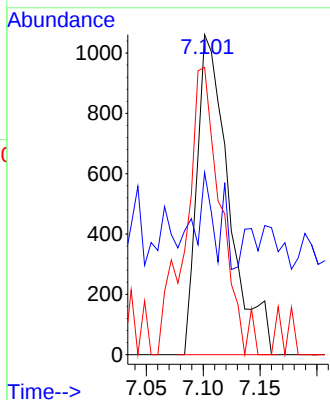
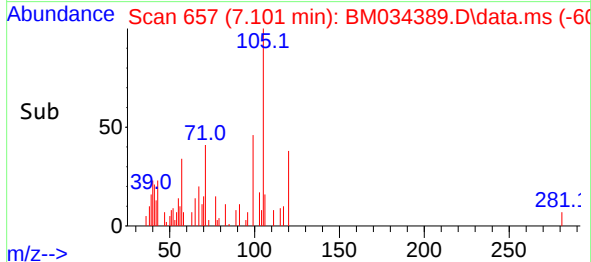
Instrument :
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ClientSampleId :
RW-1-20220321-16.0-17.0DL2



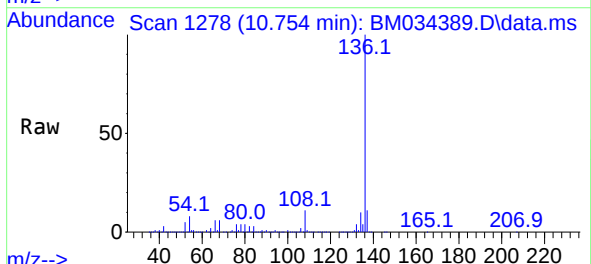
Tgt Ion: 99 Resp: 2080
Ion Ratio Lower Upper
99 100
42 56.9 15.6 23.4
71 89.8 30.6 46.0

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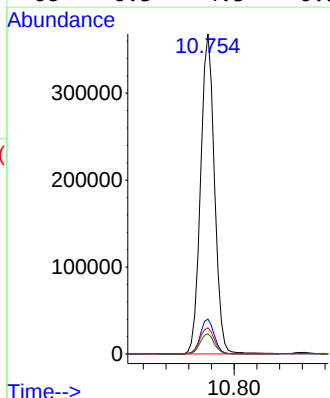
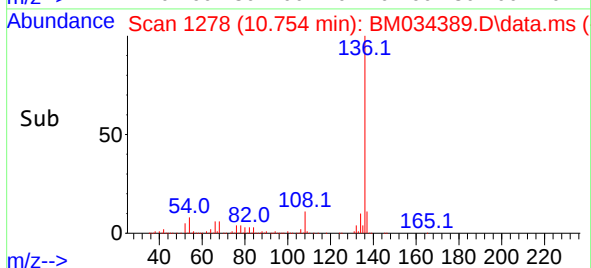
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022

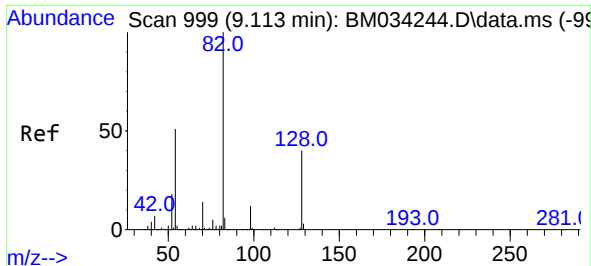


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.754 min Scan# 1278
Delta R.T. -0.000 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46



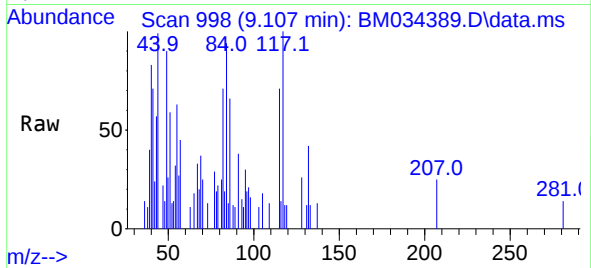
Tgt Ion:136 Resp: 623973
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.2 6.2 9.4
68 6.3 4.3 6.5





#23
Nitrobenzene-d5
Concen: 0.207 ng m
RT: 9.107 min Scan# 999
Delta R.T. -0.000 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

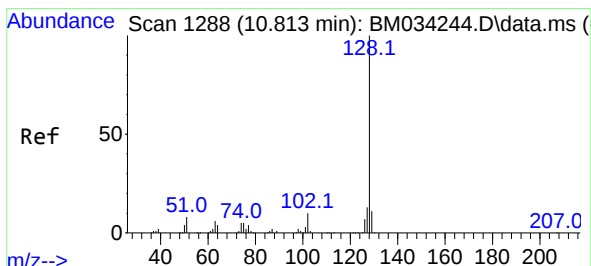
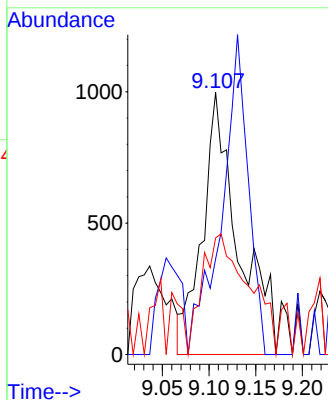
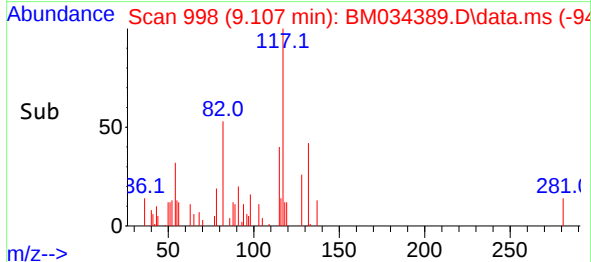
Instrument :
BNA_M
ClientSampleId :
RW-1-20220321-16.0-17.0DL2



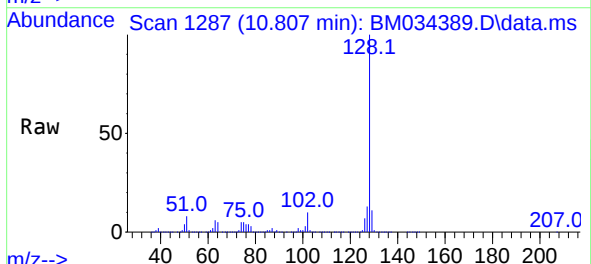
Tgt Ion: 82 Resp: 265
Ion Ratio Lower Upper
82 100
128 36.5 31.9 47.9
54 44.5 40.6 61.0

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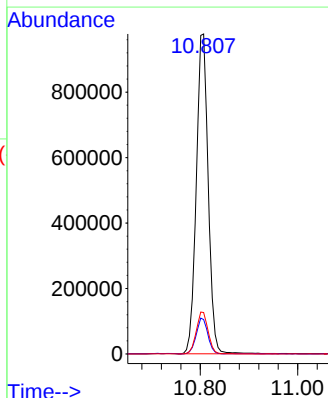
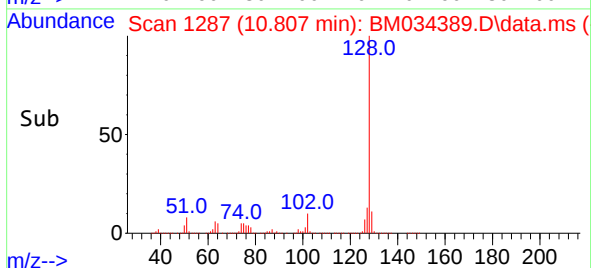
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022

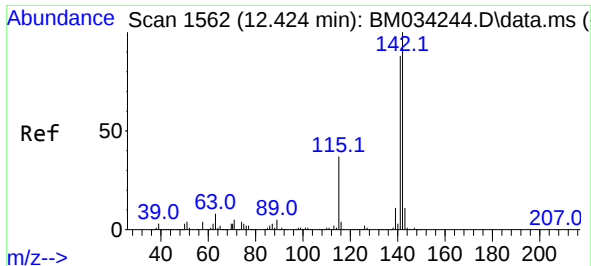


#31
Naphthalene
Concen: 51.262 ng
RT: 10.807 min Scan# 1287
Delta R.T. 0.006 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46



Tgt Ion:128 Resp: 1666408
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 12.9 10.2 15.4





#37

2-Methylnaphthalene

Concen: 21.162 ng

RT: 12.413 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM034389.D

Acq: 25 Mar 2022 17:46

Instrument :

BNA_M

ClientSampleId :

RW-1-20220321-16.0-17.0DL2

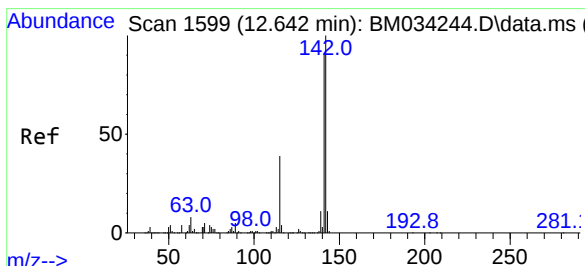
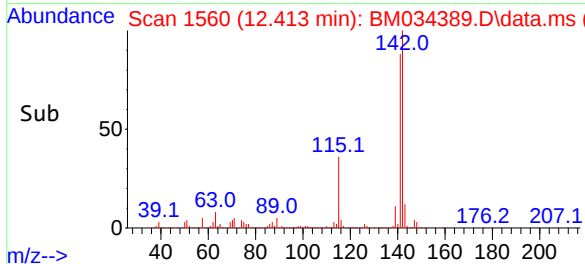
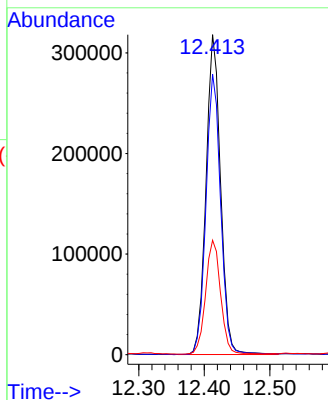
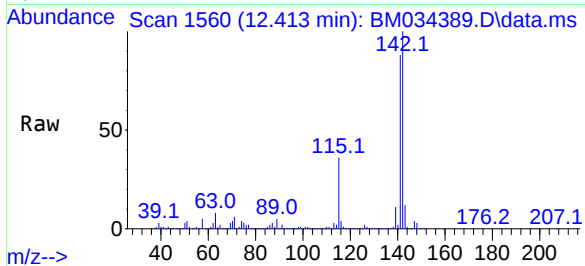
Tgt Ion:142 Resp: 490870

Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.1	105.1
115	35.7	29.9	44.9

Manual Integrations

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#38

1-Methylnaphthalene

Concen: 27.629 ng

RT: 12.630 min Scan# 1597

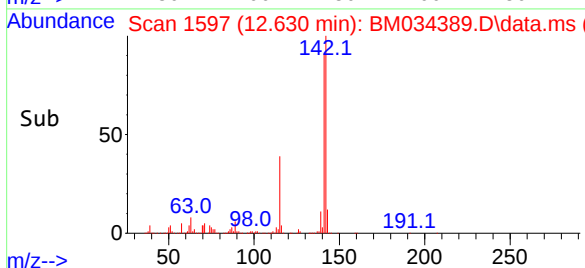
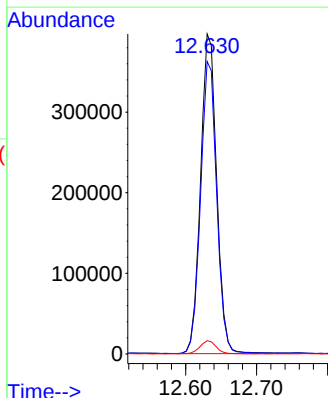
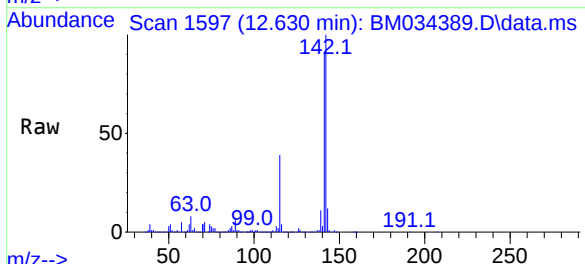
Delta R.T. -0.000 min

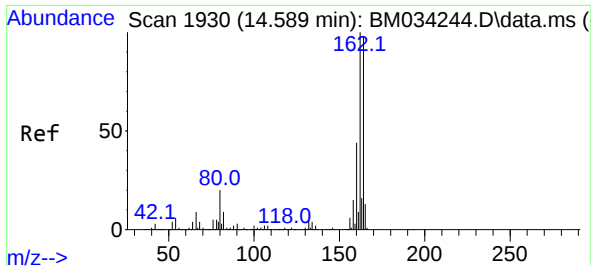
Lab File: BM034389.D

Acq: 25 Mar 2022 17:46

Tgt Ion:142 Resp: 626928

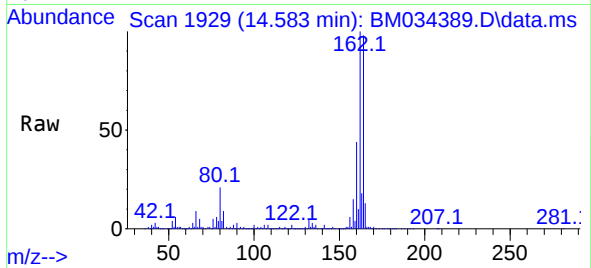
Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.0	109.6
116	4.2	3.2	4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.583 min Scan# 1930
Delta R.T. -0.000 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

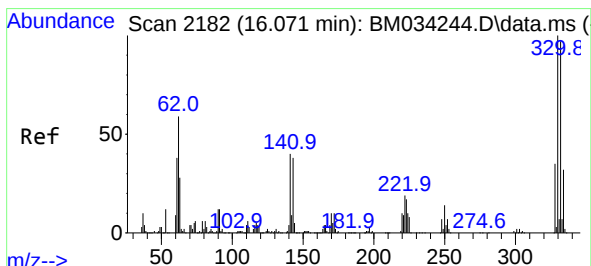
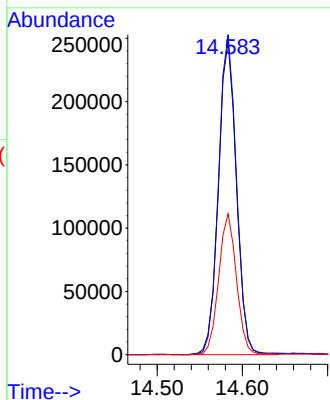
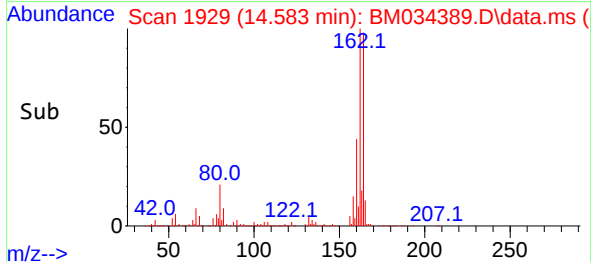
Instrument :
BNA_M
ClientSampleId :
RW-1-20220321-16.0-17.0DL2



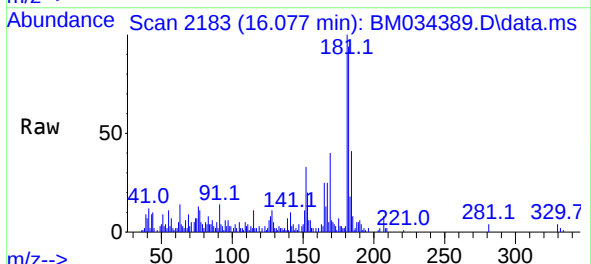
Tgt Ion:164 Resp: 36314
Ion Ratio Lower Upper
164 100
162 102.3 81.6 122.4
160 45.0 35.6 53.4

Manual Integrations
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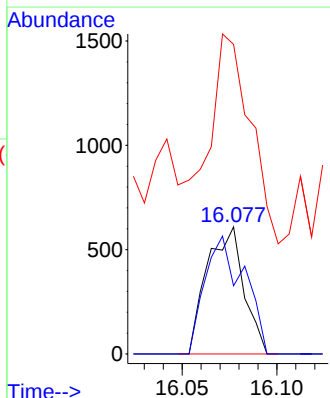
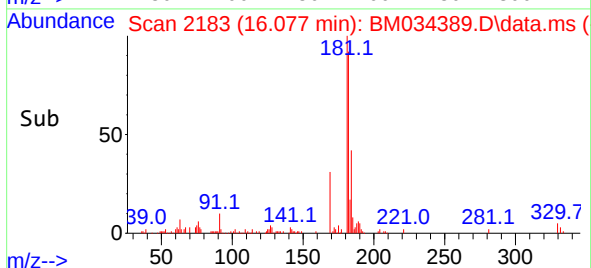
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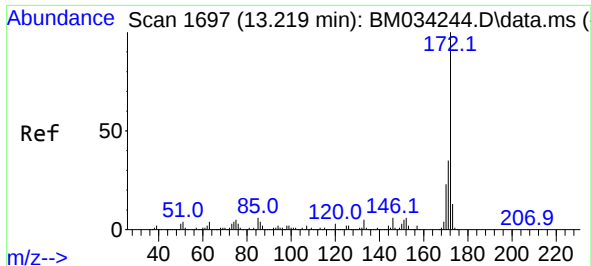


#42
2,4,6-Tribromophenol
Concen: 0.168 ng
RT: 16.077 min Scan# 2183
Delta R.T. 0.012 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46



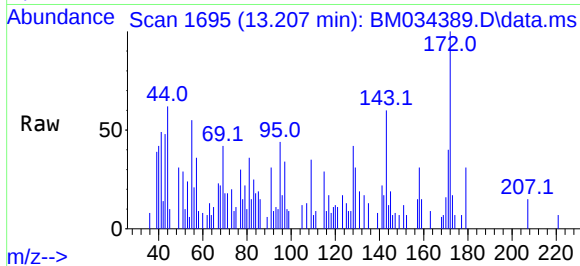
Tgt Ion:330 Resp: 822
Ion Ratio Lower Upper
330 100
332 98.9 78.2 117.4
141 177.6 30.6 45.8#





#45
2-Fluorobiphenyl
Concen: 0.143 ng
RT: 13.207 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

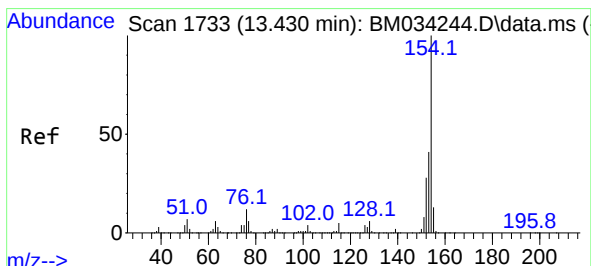
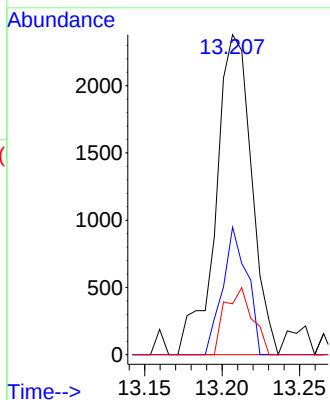
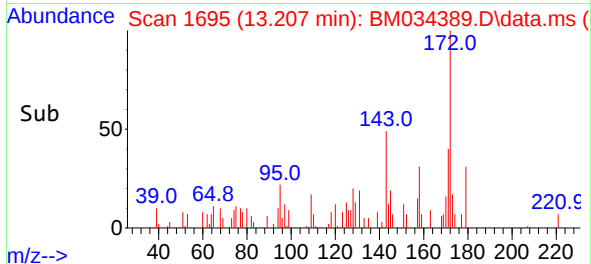
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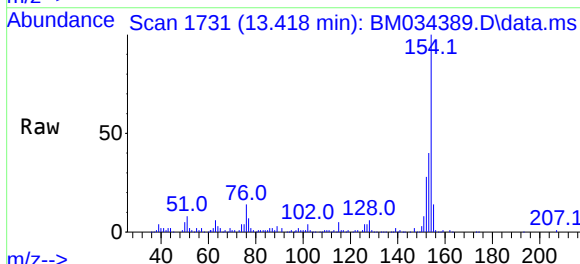
Tgt Ion:172 Resp: 3804
Ion Ratio Lower Upper
172 100
171 39.8 28.0 42.0
170 15.9 18.6 28.0

Manual Integrations
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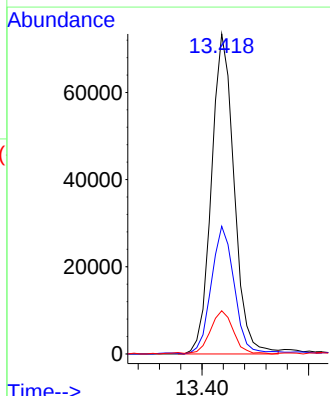
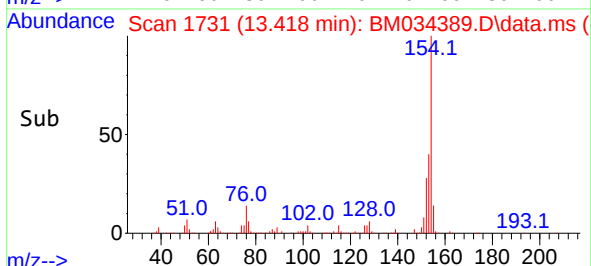
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022

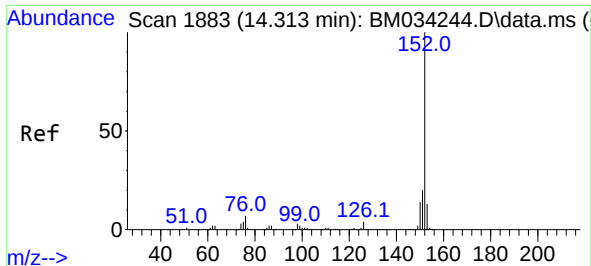


#46
1,1'-Biphenyl
Concen: 3.922 ng
RT: 13.418 min Scan# 1731
Delta R.T. -0.000 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46



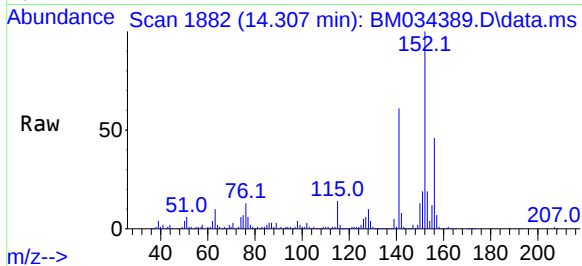
Tgt Ion:154 Resp: 108602
Ion Ratio Lower Upper
154 100
153 39.9 21.0 61.0
76 13.5 0.0 32.1





#49
Acenaphthylene
Concen: 4.281 ng
RT: 14.307 min Scan# 1882
Delta R.T. -0.000 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

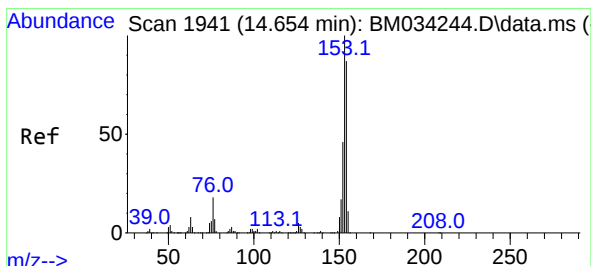
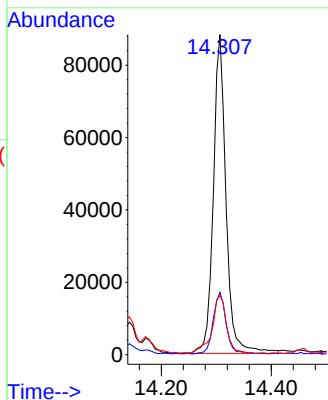
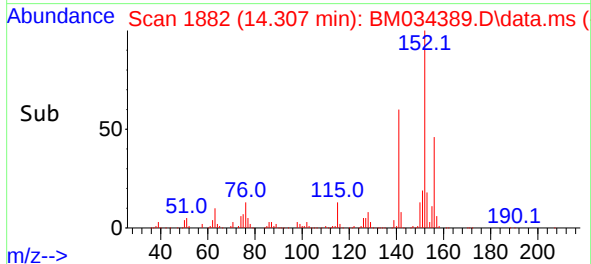
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RW-1-20220321-16.0-17.0DL2



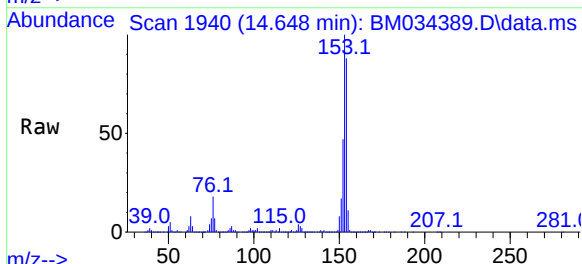
Tgt Ion:152 Resp: 141820
Ion Ratio Lower Upper
152 100
151 19.5 15.9 23.9
153 18.5 10.6 16.0

Manual Integrations
APPROVED

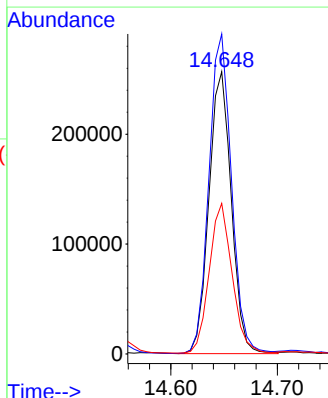
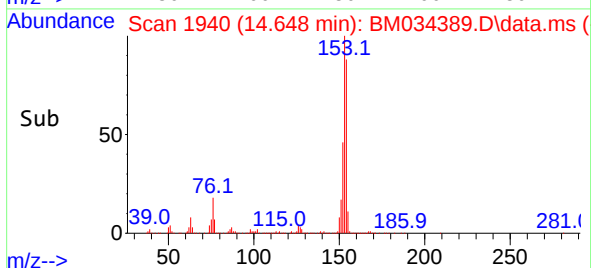
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022

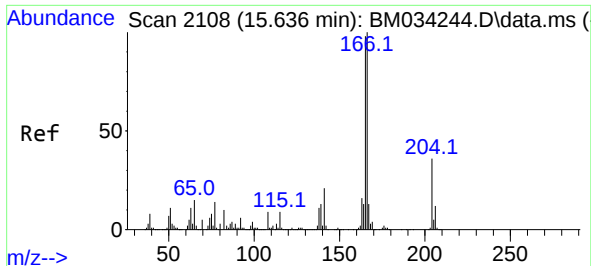


#52
Acenaphthene
Concen: 16.825 ng
RT: 14.648 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46



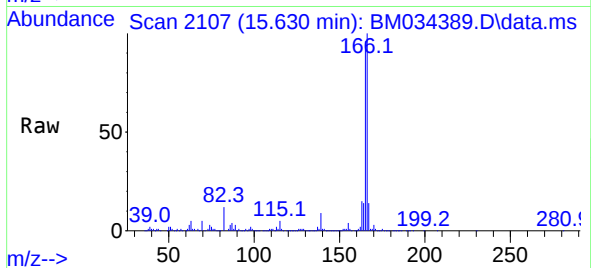
Tgt Ion:154 Resp: 375427
Ion Ratio Lower Upper
154 100
153 113.4 91.8 137.8
152 53.4 42.6 64.0





#58
Fluorene
Concen: 10.519 ng
RT: 15.630 min Scan# 2108
Delta R.T. 0.006 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

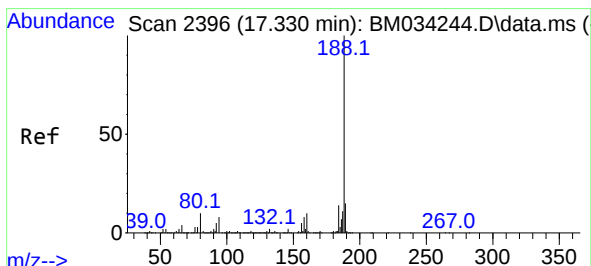
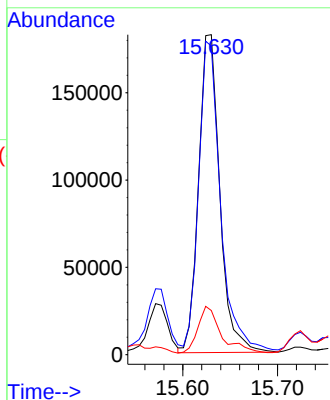
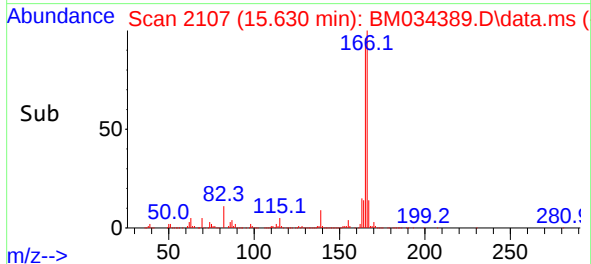
Instrument :
BNA_M
ClientSampleId :
RW-1-20220321-16.0-17.0DL2



Tgt Ion:166 Resp: 28396
Ion Ratio Lower Upper
166 100
165 96.5 78.0 117.0
167 13.8 10.5 15.7

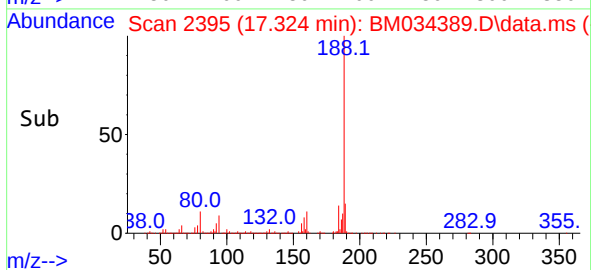
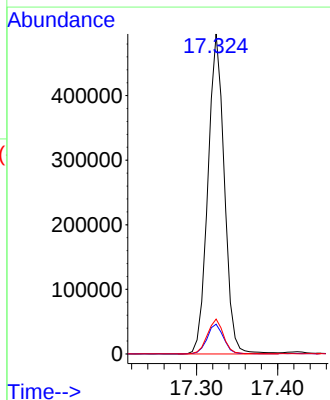
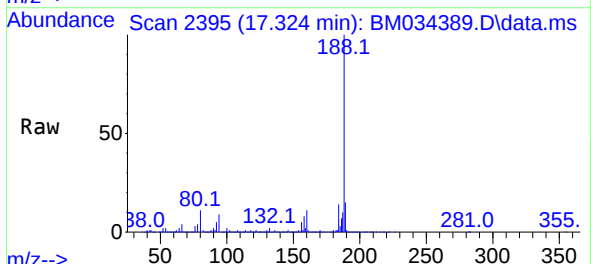
Manual Integrations
APPROVED

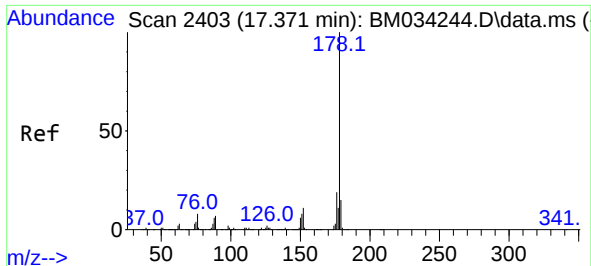
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 2395
Delta R.T. 0.006 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

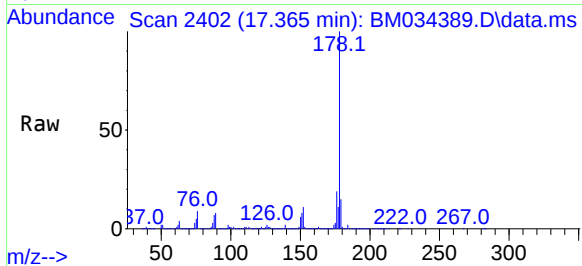
Tgt Ion:188 Resp: 695485
Ion Ratio Lower Upper
188 100
94 9.3 6.6 9.8
80 10.9 7.8 11.8





#71
Phenanthrene
Concen: 42.031 ng
RT: 17.365 min Scan# 2418
Delta R.T. -0.000 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

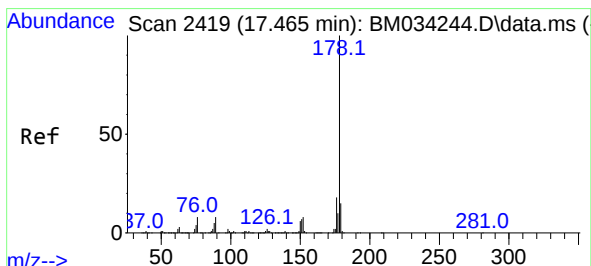
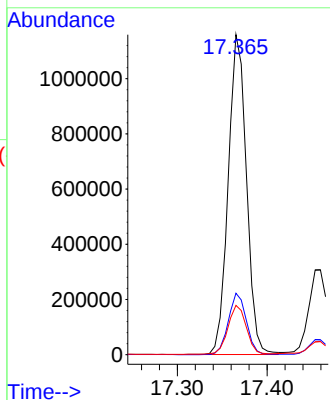
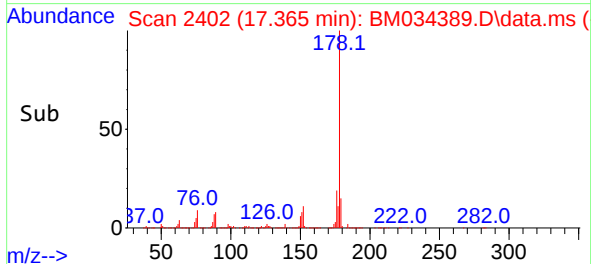
Instrument :
BNA_M
ClientSampleId :
RW-1-20220321-16.0-17.0DL2



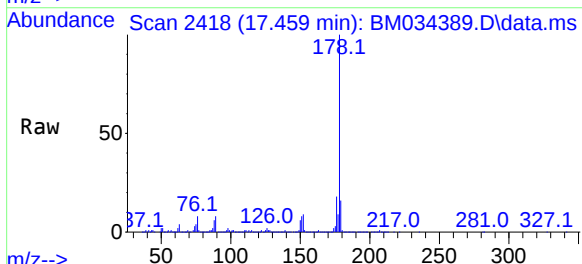
Tgt Ion:178 Resp: 1637030
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.4 12.2 18.4

Manual Integrations
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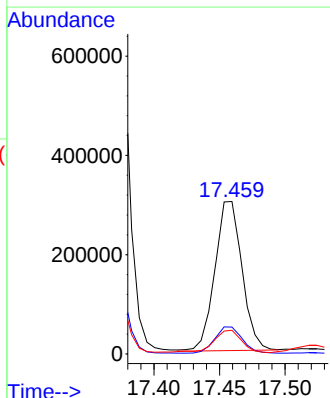
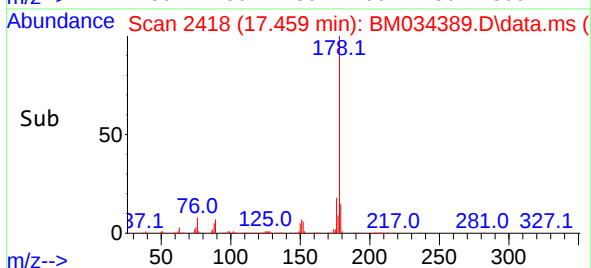
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022

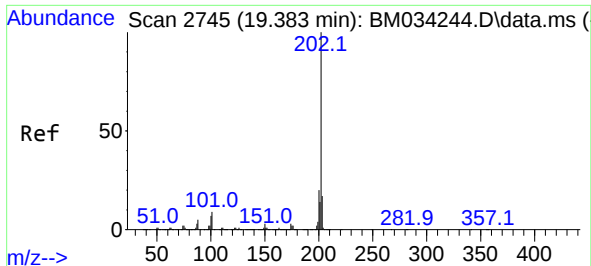


#72
Anthracene
Concen: 11.431 ng
RT: 17.459 min Scan# 2418
Delta R.T. 0.006 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46



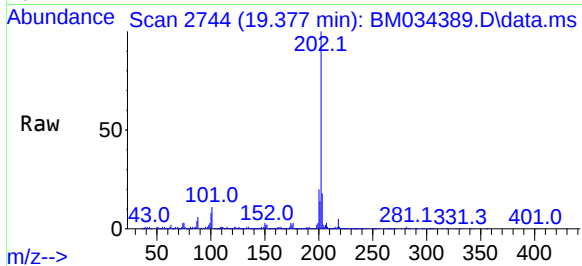
Tgt Ion:178 Resp: 433361
Ion Ratio Lower Upper
178 100
176 17.6 14.6 22.0
179 15.5 12.2 18.2





#75
Fluoranthene
Concen: 13.009 ng
RT: 19.377 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

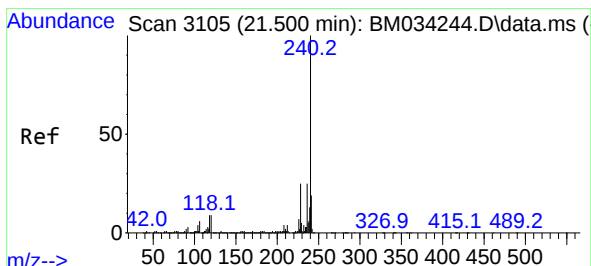
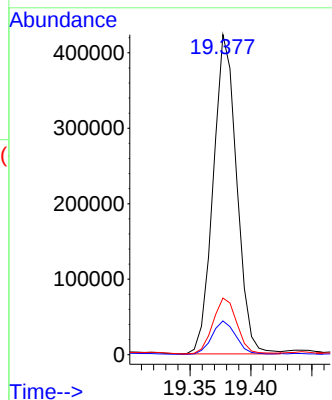
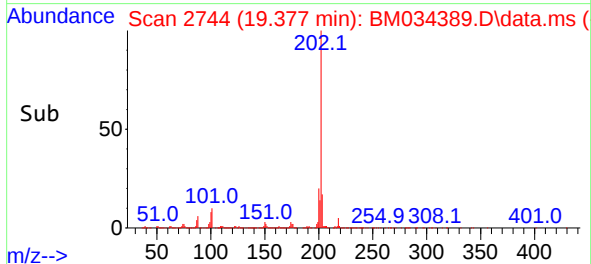
Instrument :
BNA_M
ClientSampleId :
RW-1-20220321-16.0-17.0DL2



Tgt Ion:202 Resp: 568010
Ion Ratio Lower Upper
202 100
101 10.6 0.0 29.4
203 17.7 0.0 37.1

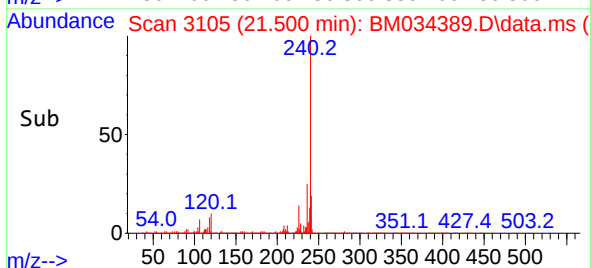
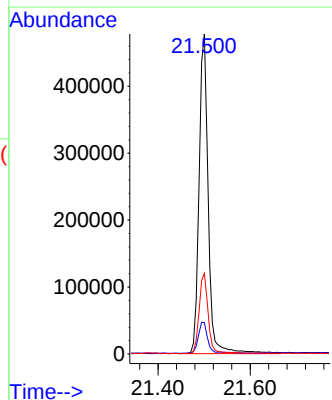
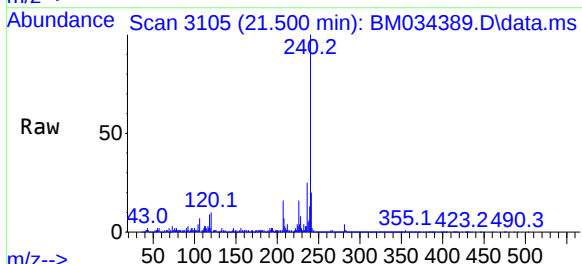
Manual Integrations
APPROVED

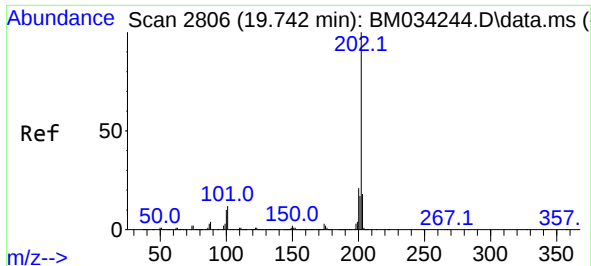
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.500 min Scan# 3105
Delta R.T. 0.006 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

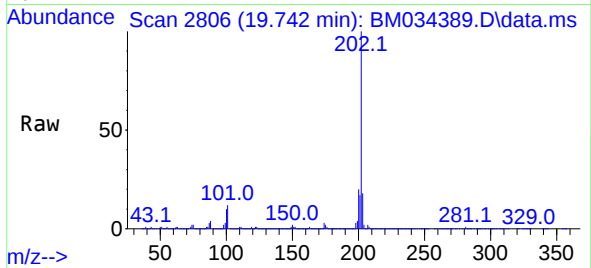
Tgt Ion:240 Resp: 656945
Ion Ratio Lower Upper
240 100
120 9.8 7.3 10.9
236 25.2 20.2 30.2





#78
Pyrene
Concen: 21.156 ng
RT: 19.742 min Scan# 2806
Delta R.T. 0.006 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

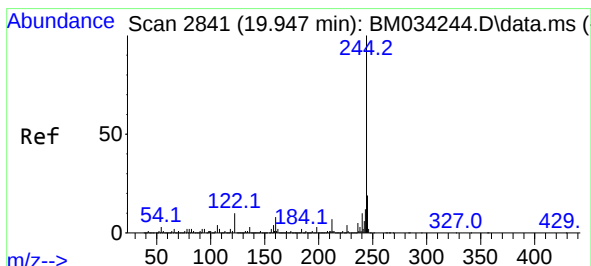
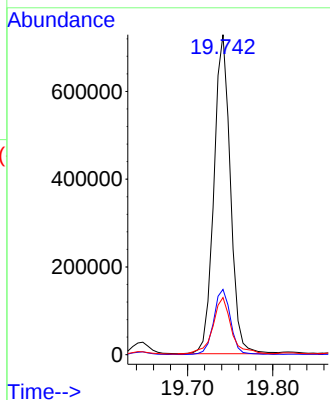
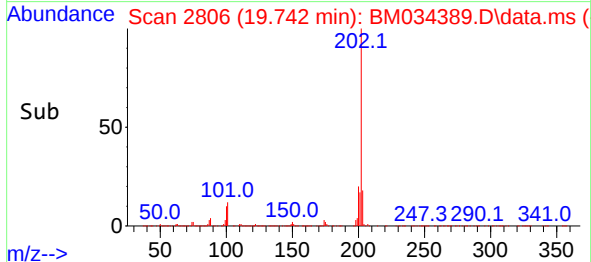
Instrument :
BNA_M
ClientSampleId :
RW-1-20220321-16.0-17.0DL2



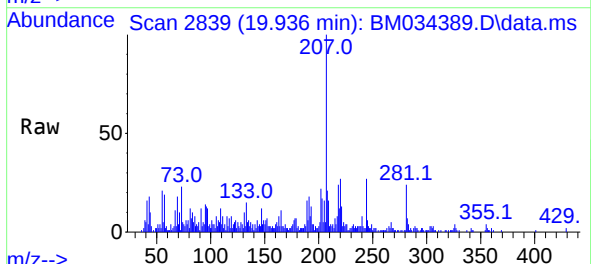
Tgt Ion:202 Resp: 979194
Ion Ratio Lower Upper
202 100
200 20.4 16.6 24.8
203 17.9 14.1 21.1

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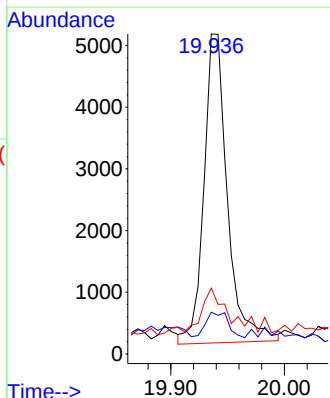
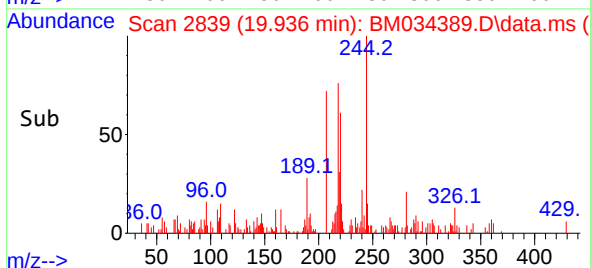
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022

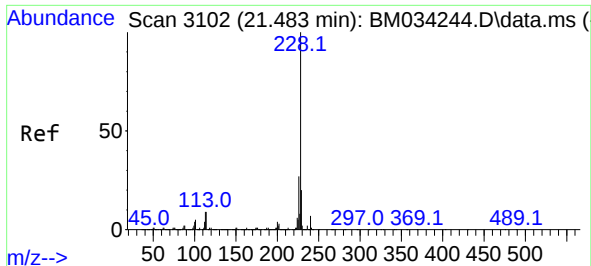


#79
Terphenyl-d14
Concen: 0.190 ng
RT: 19.936 min Scan# 2839
Delta R.T. -0.000 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46



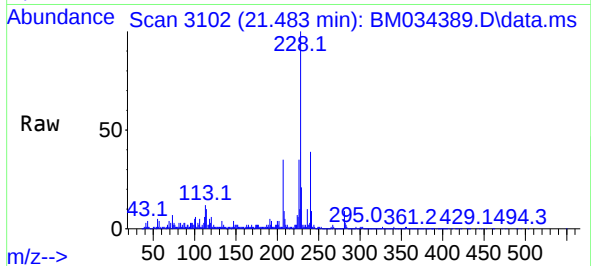
Tgt Ion:244 Resp: 7202
Ion Ratio Lower Upper
244 100
212 13.1 5.9 8.9#
122 20.6 7.8 11.8#





#81
Benzo(a)anthracene
Concen: 6.661 ng m
RT: 21.483 min Scan# 3102
Delta R.T. 0.006 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

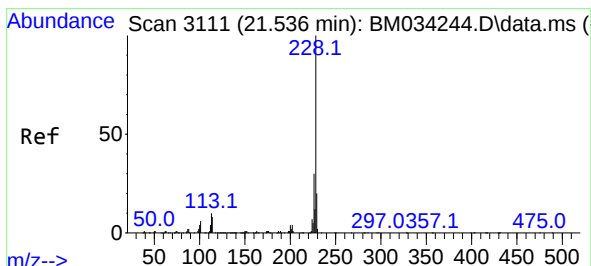
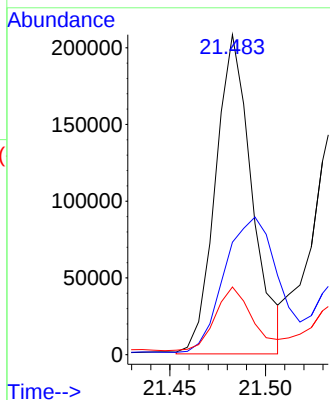
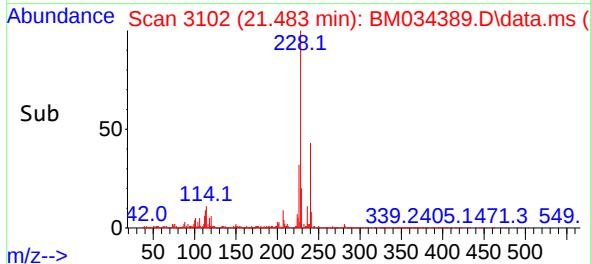
Instrument :
BNA_M
ClientSampleId :
RW-1-20220321-16.0-17.0DL2



Tgt Ion:228 Resp: 27620
Ion Ratio Lower Upper
228 100
226 35.2 21.6 32.4
229 21.1 15.8 23.6

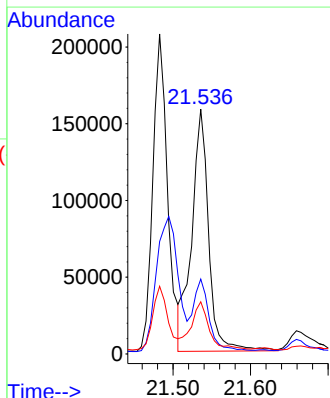
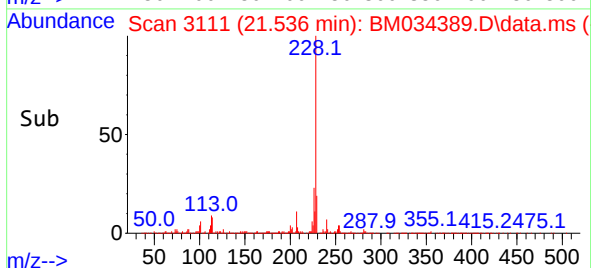
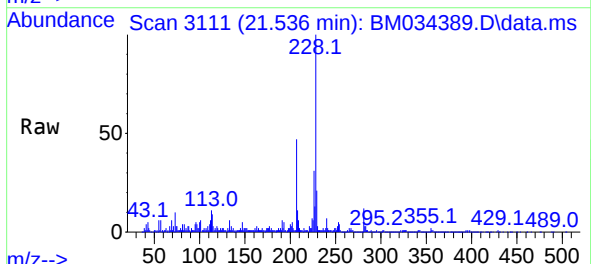
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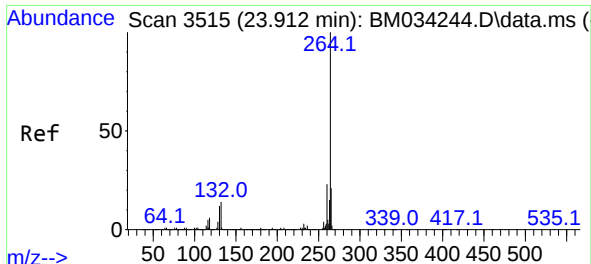
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022



#83
Chrysene
Concen: 5.687 ng
RT: 21.536 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

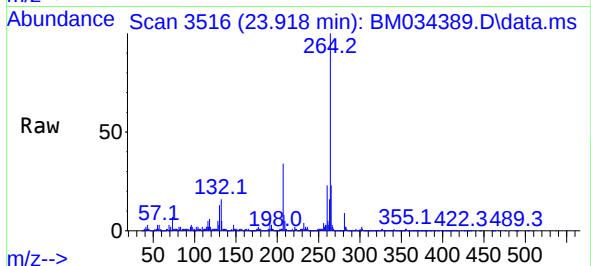
Tgt Ion:228 Resp: 240813
Ion Ratio Lower Upper
228 100
226 30.6 23.8 35.6
229 21.3 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.918 min Scan# 3515
Delta R.T. 0.012 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

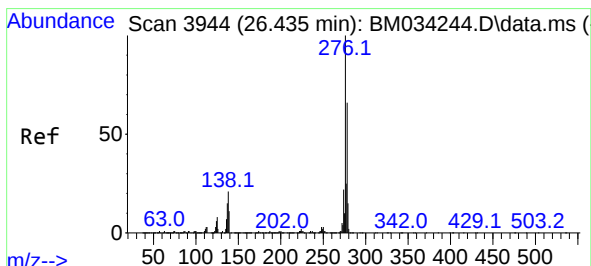
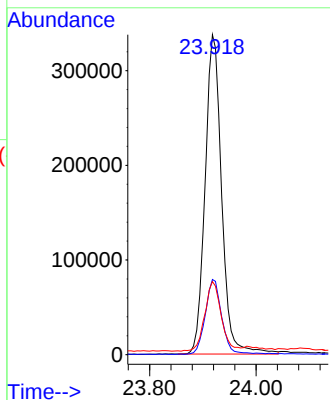
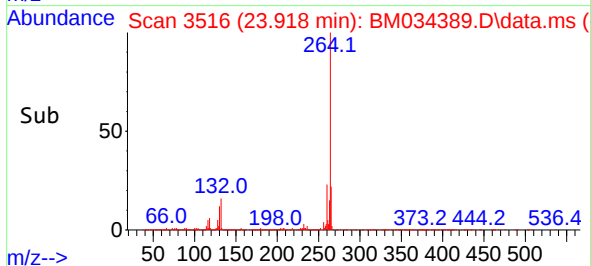
Instrument :
BNA_M
ClientSampleId :
RW-1-20220321-16.0-17.0DL2



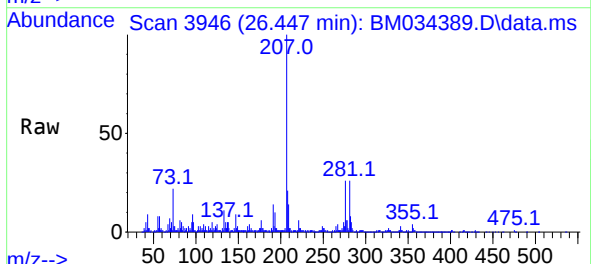
Tgt Ion:264 Resp: 729670
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 22.9 17.6 26.4

Manual Integrations
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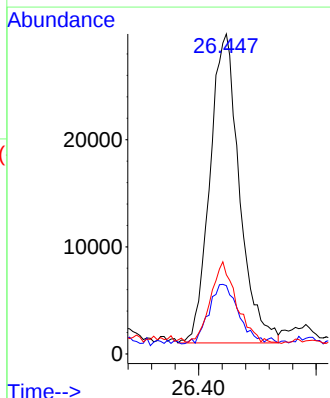
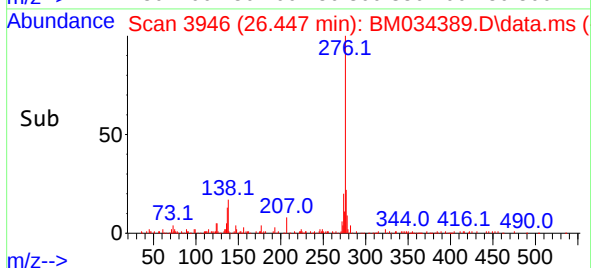
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022

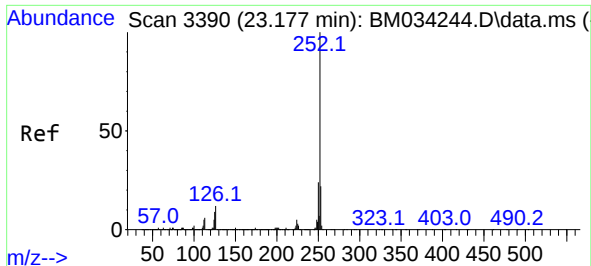


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.145 ng
RT: 26.447 min Scan# 3946
Delta R.T. 0.023 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46



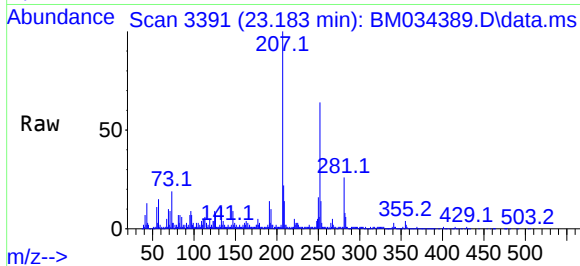
Tgt Ion:276 Resp: 100669
Ion Ratio Lower Upper
276 100
138 19.2 16.6 25.0
277 23.4 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 4.518 ng m
RT: 23.183 min Scan# 31
Delta R.T. 0.012 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

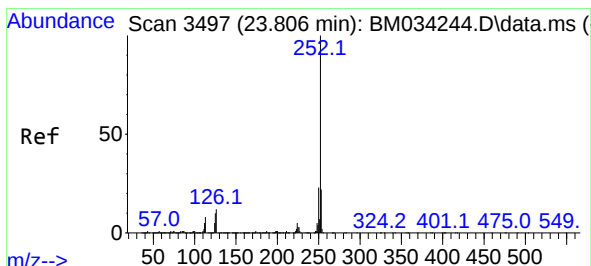
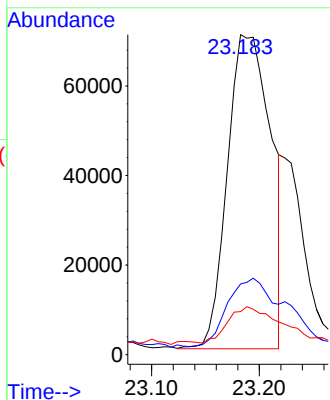
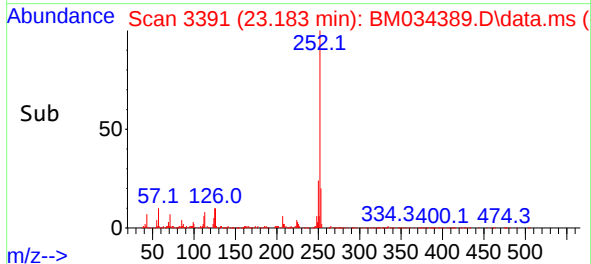
Instrument :
BNA_M
ClientSampleId :
RW-1-20220321-16.0-17.0DL2



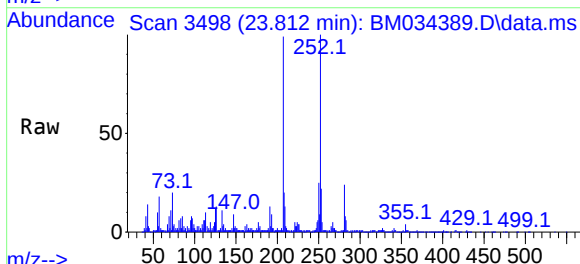
Tgt Ion:252 Resp: 19712
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 13.5 7.2 10.8

Manual Integrations
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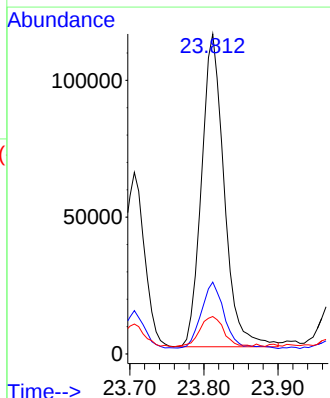
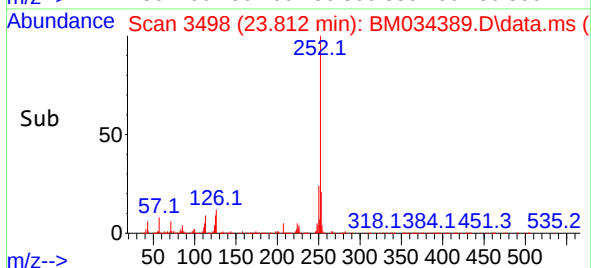
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022

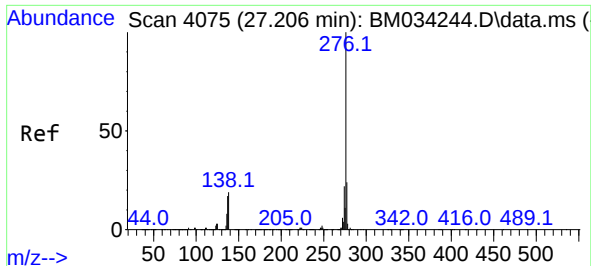


#90
Benzo(a)pyrene
Concen: 6.567 ng
RT: 23.812 min Scan# 3498
Delta R.T. 0.012 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46



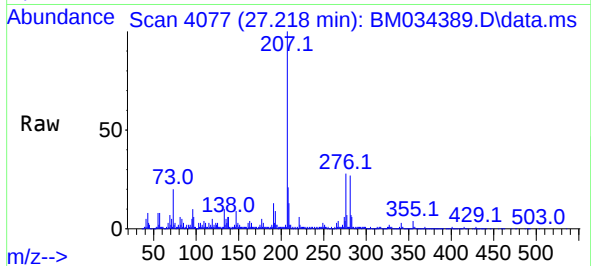
Tgt Ion:252 Resp: 242913
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 11.7 7.8 11.6





#92
 Benzo(g,h,i)perylene
 Concen: 3.118 ng
 RT: 27.218 min Scan# 4077
 Delta R.T. 0.018 min
 Lab File: BM034389.D
 Acq: 25 Mar 2022 17:46

Instrument :
 BNA_M
 ClientSampleId :
 RW-1-20220321-16.0-17.0DL2



Tgt Ion: 276 Resp: 122834
 Ion Ratio Lower Upper
 276 100
 277 23.8 19.0 28.4
 138 21.1 15.6 23.4

Manual Integrations
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Reviewed By : Christian Giraldo 03/28/2022
 Supervised By : Jagrut Upadhyay 03/28/2022

