

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
 Data File : BM034354.D
 Acq On : 24 Mar 2022 00:21
 Operator : CG/JU
 Sample : N1958-08 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C-8-7-8

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/24/2022
 Supervised By : Jagrut Upadhyay 03/24/2022

Quant Time: Mar 24 02:44:16 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	181537	20.000	ng	0.00
21) Naphthalene-d8	10.748	136	711302	20.000	ng	0.00
39) Acenaphthene-d10	14.577	164	420944	20.000	ng	0.00
64) Phenanthrene-d10	17.318	188	797976	20.000	ng	0.00
76) Chrysene-d12	21.495	240	762201	20.000	ng	0.00
86) Perylene-d12	23.912	264	852311	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	218851	21.627	ng	0.00
7) Phenol-d6	7.096	99	278182	19.200	ng	0.00
23) Nitrobenzene-d5	9.095	82	183836	12.583	ng	-0.01
42) 2,4,6-Tribromophenol	16.066	330	101771	17.937	ng	0.00
45) 2-Fluorobiphenyl	13.207	172	390789	12.686	ng	0.00
79) Terphenyl-d14	19.936	244	516992	11.786	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.801	128	76038	2.052	ng	97
71) Phenanthrene	17.360	178	1179712	26.399	ng	99
72) Anthracene	17.454	178	258552	5.944	ng	100
75) Fluoranthene	19.377	202	2370767	47.324	ng	99
78) Pyrene	19.736	202	2112113	39.331	ng	100
81) Benzo(a)anthracene	21.477	228	964006	20.039	ng	99
83) Chrysene	21.530	228	891816	18.153	ng	98
87) Indeno(1,2,3-cd)pyrene	26.424	276	597159	10.891	ng	97
88) Benzo(b)fluoranthene	23.177	252	1146239	22.490	ng	98
89) Benzo(k)fluoranthene	23.218	252	412701m	7.644	ng	
90) Benzo(a)pyrene	23.806	252	889685	20.592	ng	97
91) Dibenzo(a,h)anthracene	26.430	278	144572	3.252	ng	# 81
92) Benzo(g,h,i)perylene	27.206	276	618782	13.447	ng	98

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

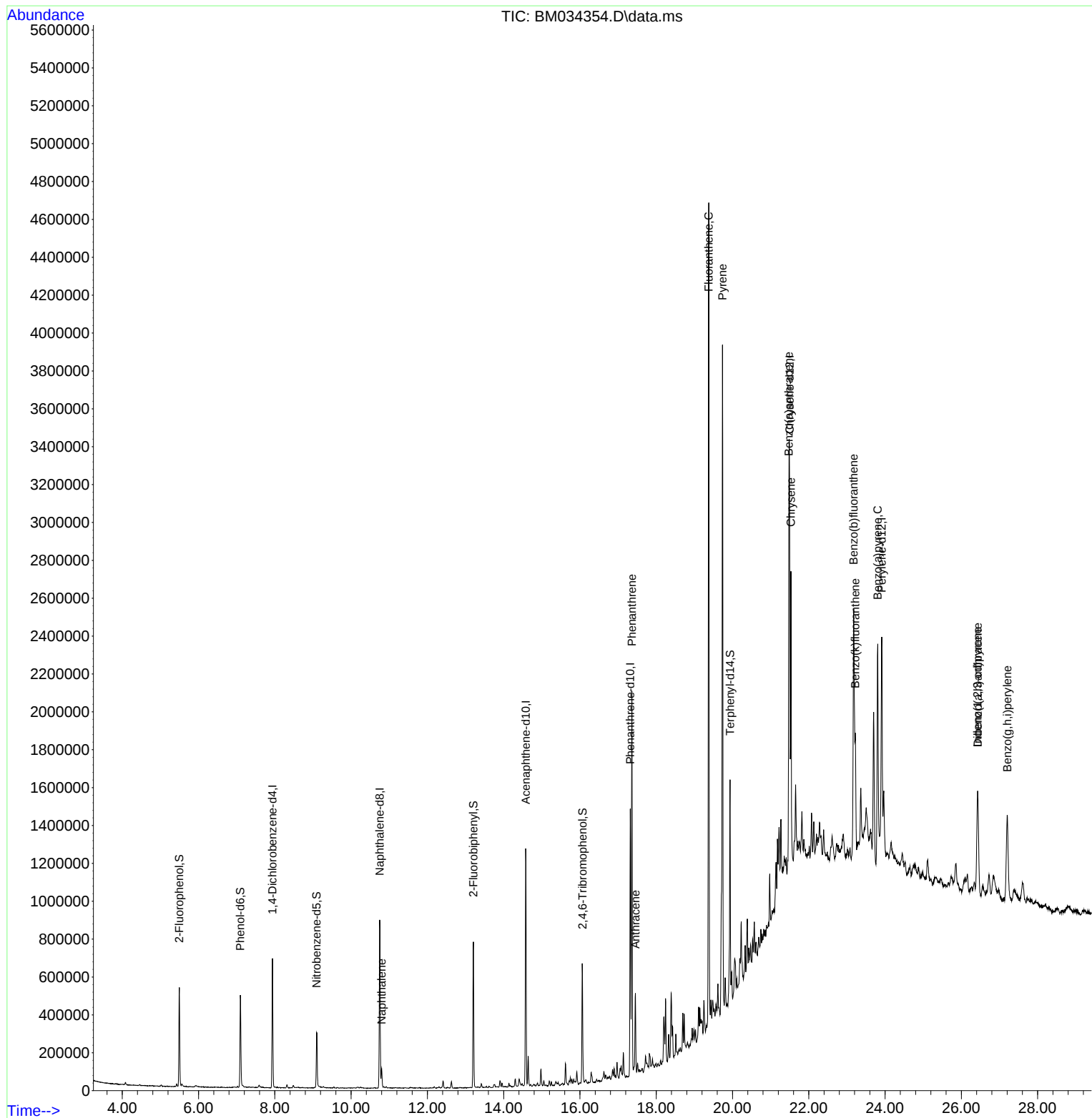
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
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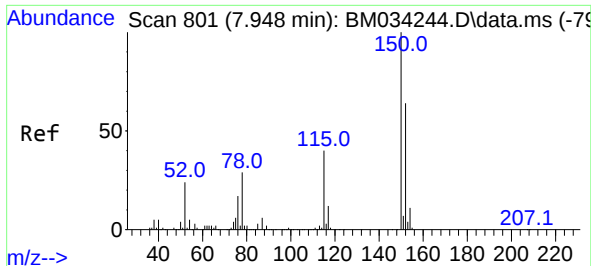
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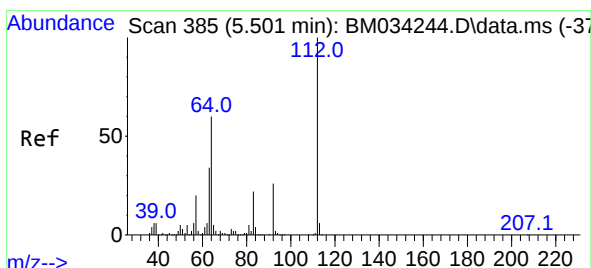
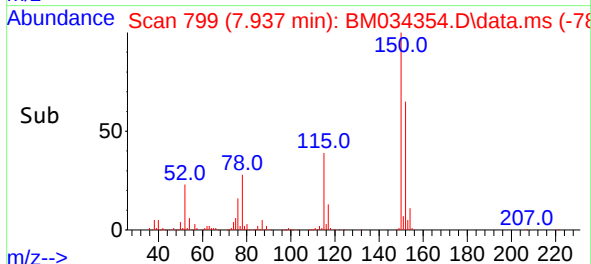
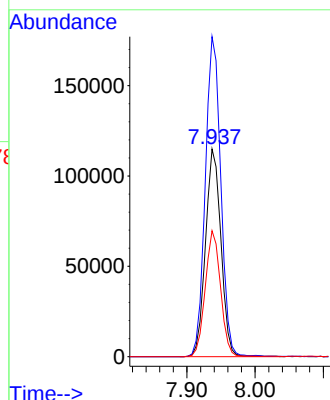
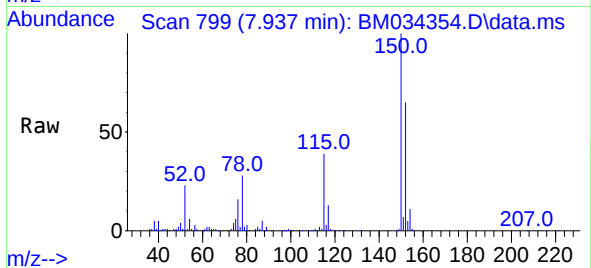
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 79
Delta R.T. -0.005 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21

Instrument :
BNA_M
ClientSampleId :
C-8-7-8

Tgt Ion:152 Resp: 18153
Ion Ratio Lower Upper
152 100
150 154.0 125.4 188.2
115 60.6 50.1 75.1

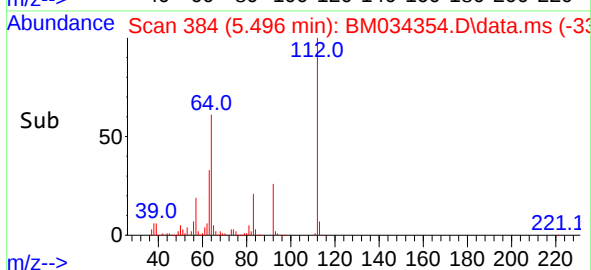
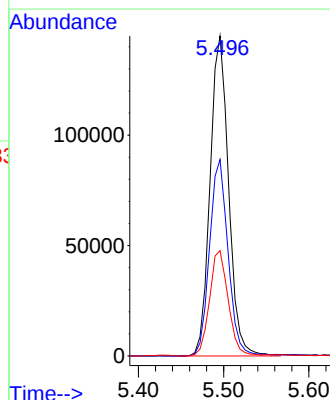
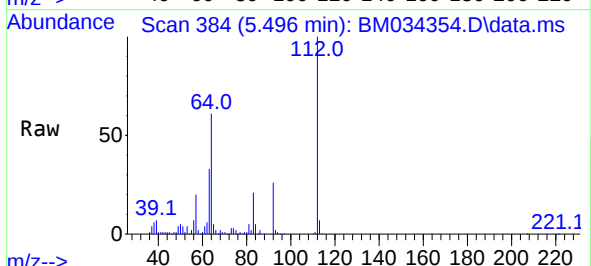
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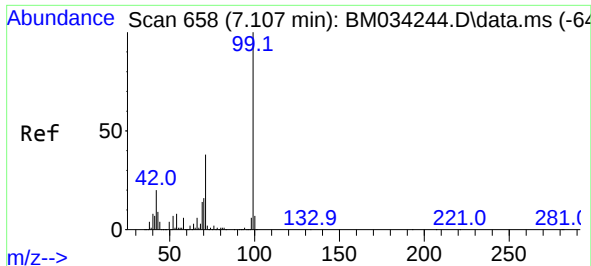
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#5
2-Fluorophenol
Concen: 21.627 ng
RT: 5.496 min Scan# 384
Delta R.T. 0.006 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21

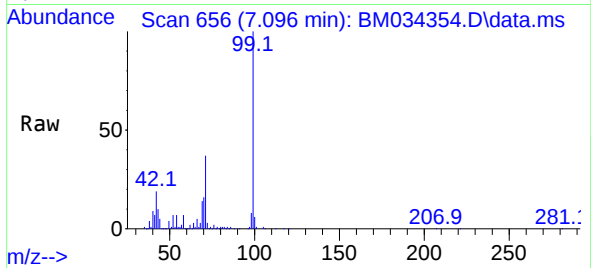
Tgt Ion:112 Resp: 218851
Ion Ratio Lower Upper
112 100
64 61.4 47.9 71.9
63 32.9 27.1 40.7





#7
Phenol-d6
Concen: 19.200 ng
RT: 7.096 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21

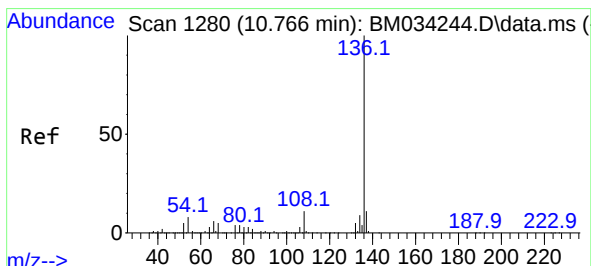
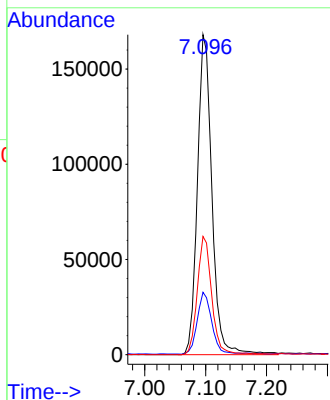
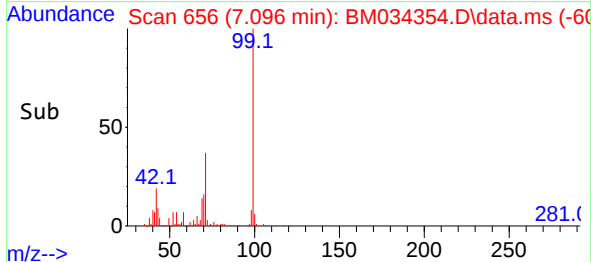
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BNA_M
ClientSampleId :
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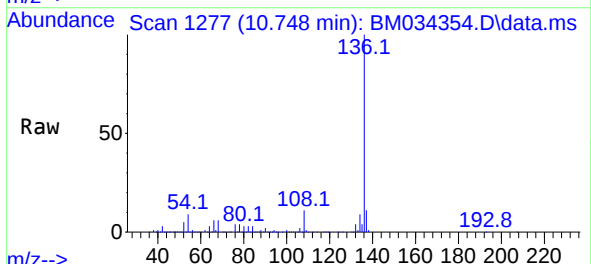
Tgt Ion: 99 Resp: 27818
Ion Ratio Lower Upper
99 100
42 19.5 15.6 23.4
71 37.0 30.6 46.0

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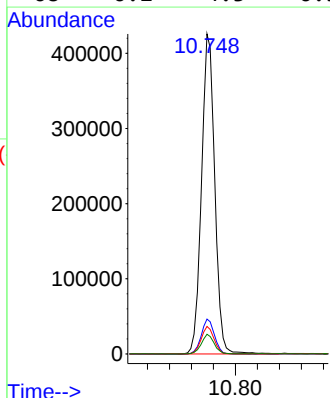
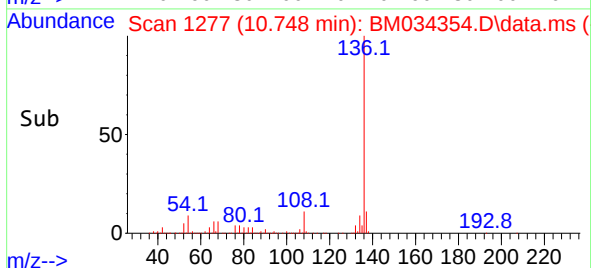
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

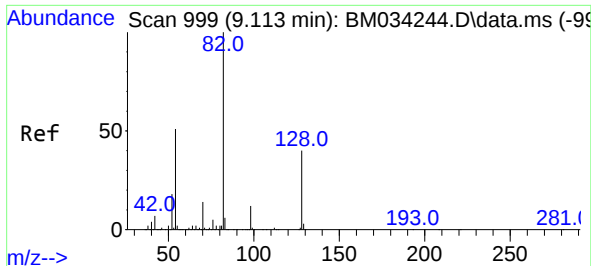


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.748 min Scan# 1277
Delta R.T. -0.006 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21



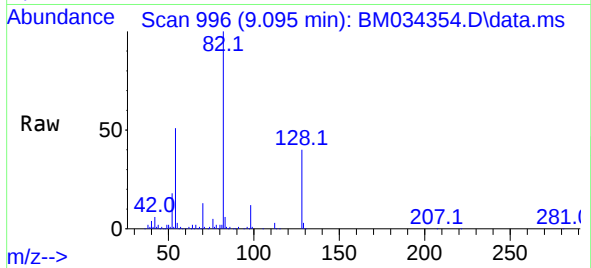
Tgt Ion:136 Resp: 711302
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.6 6.2 9.4
68 6.2 4.3 6.5





#23
Nitrobenzene-d5
Concen: 12.583 ng
RT: 9.095 min Scan# 999
Delta R.T. -0.012 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21

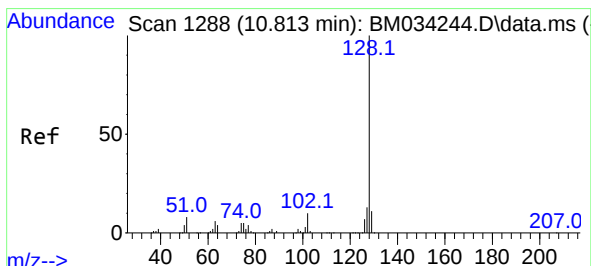
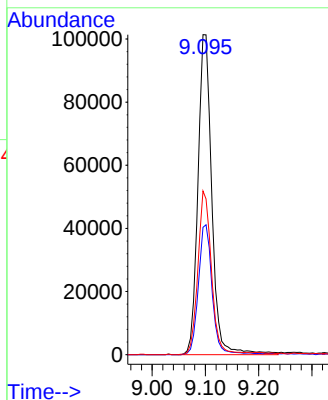
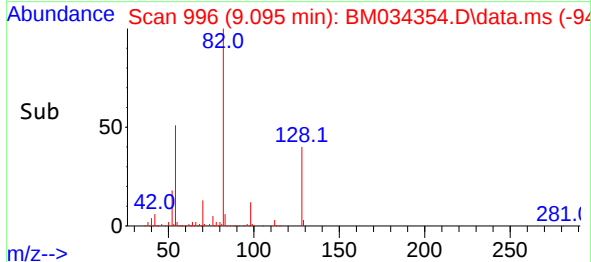
Instrument :
BNA_M
ClientSampleId :
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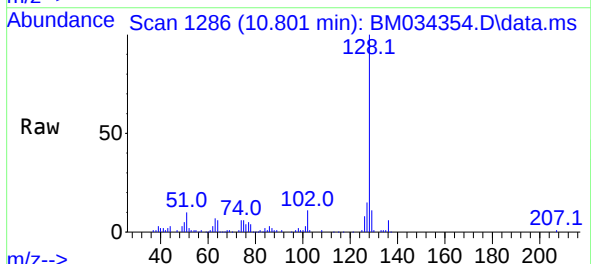
Tgt Ion: 82 Resp: 183830
Ion Ratio Lower Upper
82 100
128 39.8 31.9 47.9
54 51.2 40.6 61.0

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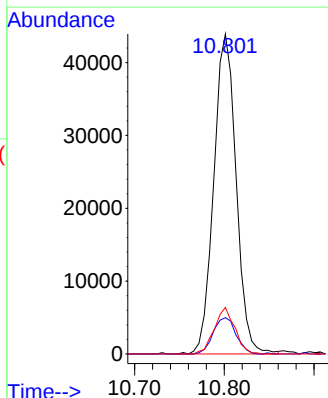
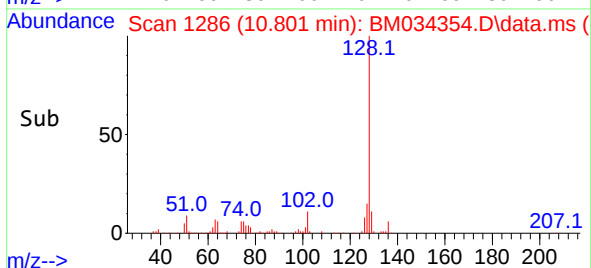
Reviewed By :Christian Giraldo 03/24/2022
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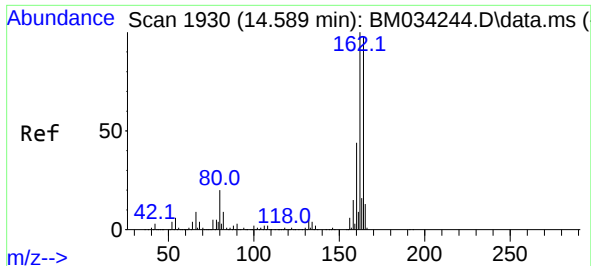


#31
Naphthalene
Concen: 2.052 ng
RT: 10.801 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21



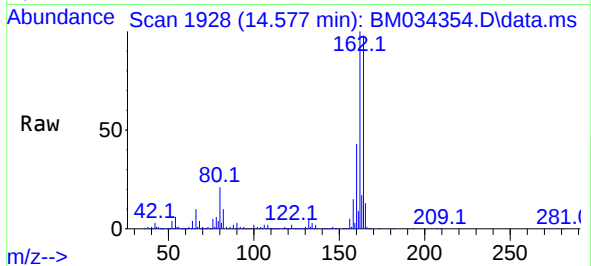
Tgt Ion:128 Resp: 76038
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 14.6 10.2 15.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.577 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21

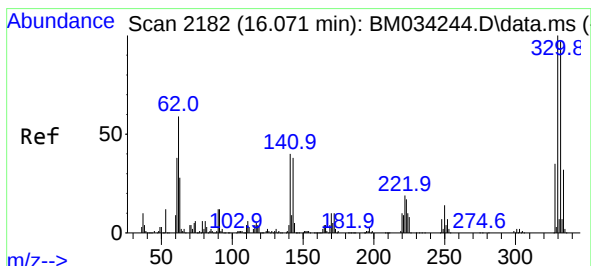
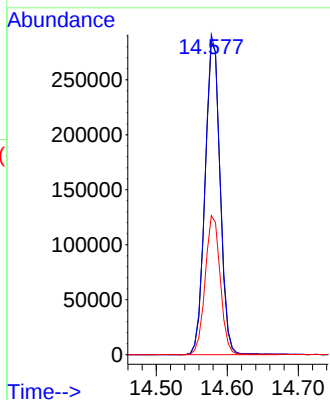
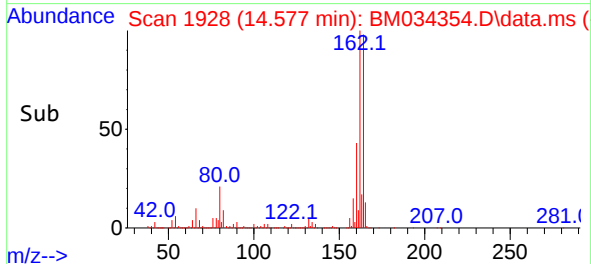
Instrument :
BNA_M
ClientSampleId :
C-8-7-8



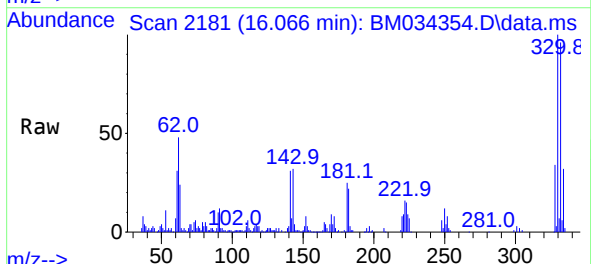
Tgt Ion:164 Resp: 420944
Ion Ratio Lower Upper
164 100
162 102.3 81.6 122.4
160 44.5 35.6 53.4

Manual Integrations
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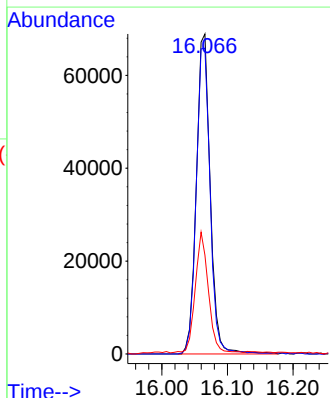
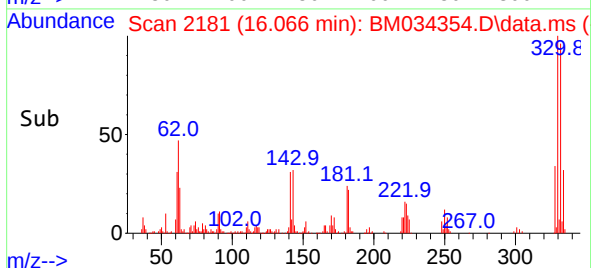
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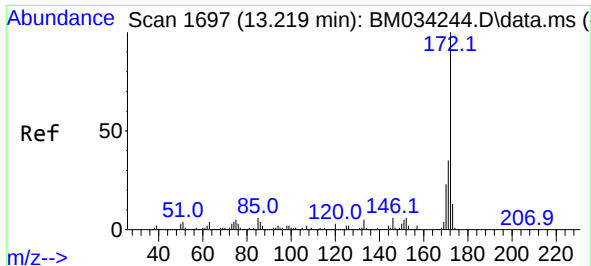


#42
2,4,6-Tribromophenol
Concen: 17.937 ng
RT: 16.066 min Scan# 2181
Delta R.T. 0.000 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21



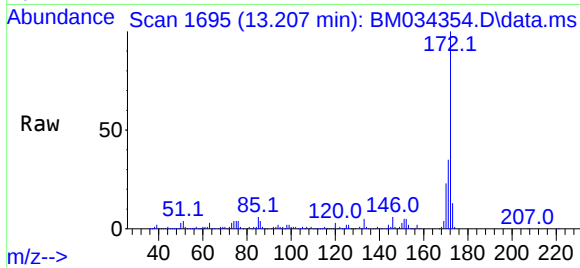
Tgt Ion:330 Resp: 101771
Ion Ratio Lower Upper
330 100
332 96.1 78.2 117.4
141 35.5 30.6 45.8





#45
2-Fluorobiphenyl
Concen: 12.686 ng
RT: 13.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21

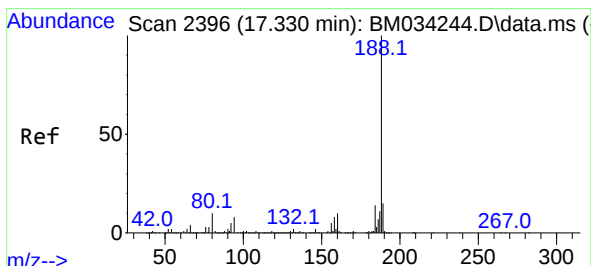
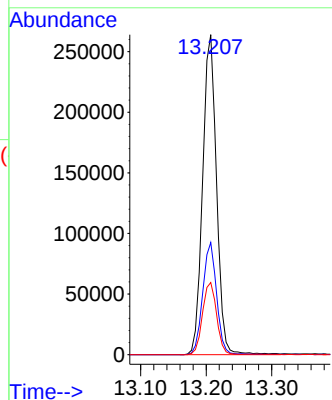
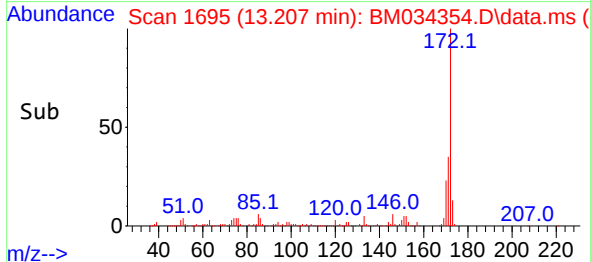
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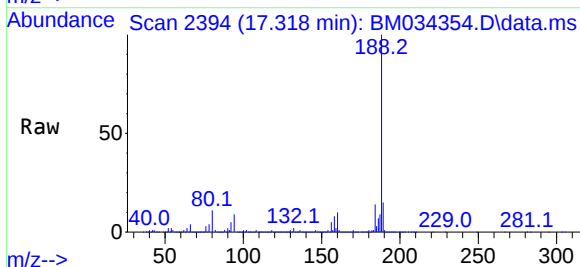
Tgt Ion:172 Resp: 390789
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 22.5 18.6 28.0

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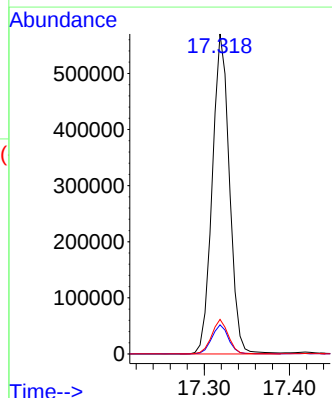
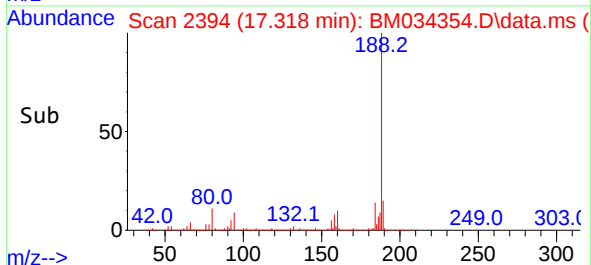
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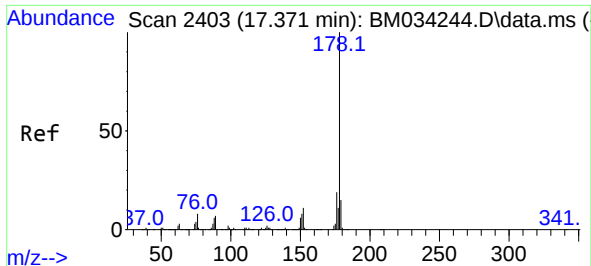


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.318 min Scan# 2394
Delta R.T. 0.000 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21



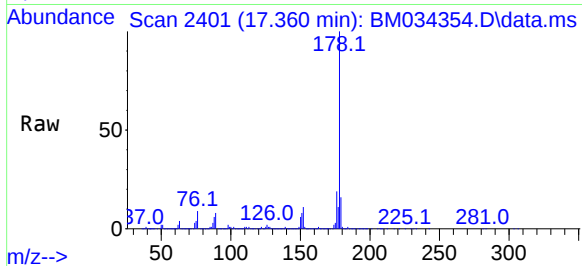
Tgt Ion:188 Resp: 797976
Ion Ratio Lower Upper
188 100
94 9.1 6.6 9.8
80 10.8 7.8 11.8





#71
Phenanthrene
Concen: 26.399 ng
RT: 17.360 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21

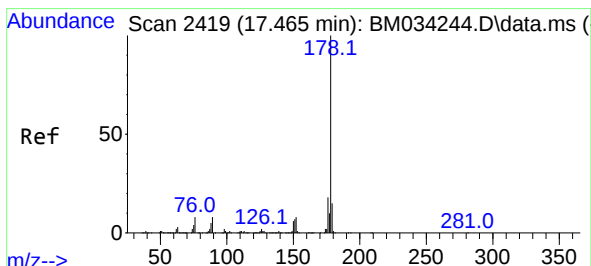
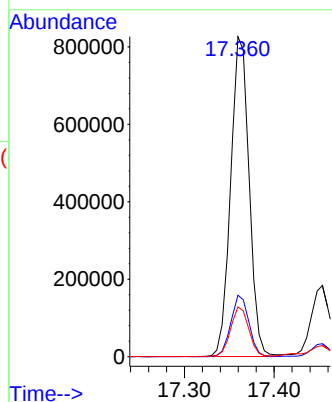
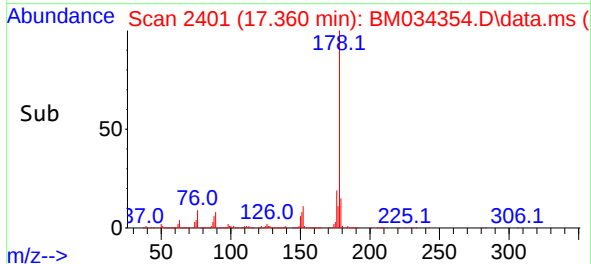
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Tgt Ion:178 Resp: 117971
Ion Ratio Lower Upper
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176 19.2 15.1 22.7
179 15.5 12.2 18.4

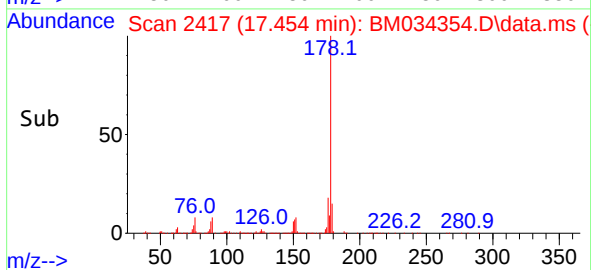
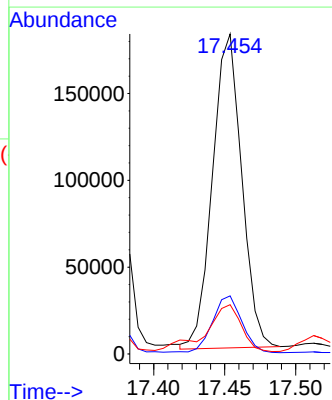
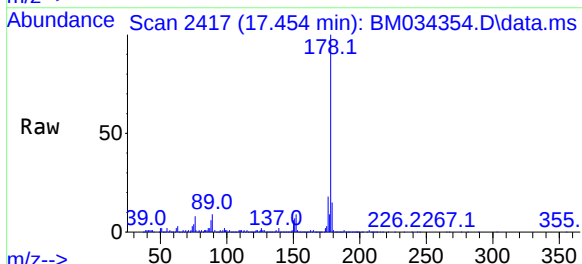
Manual Integrations
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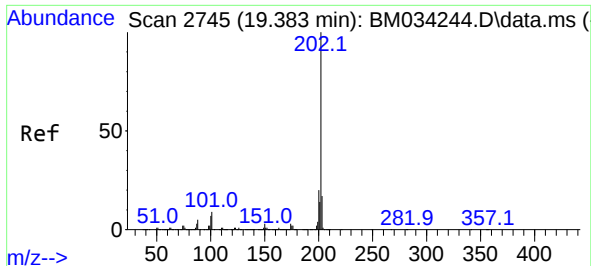
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#72
Anthracene
Concen: 5.944 ng
RT: 17.454 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21

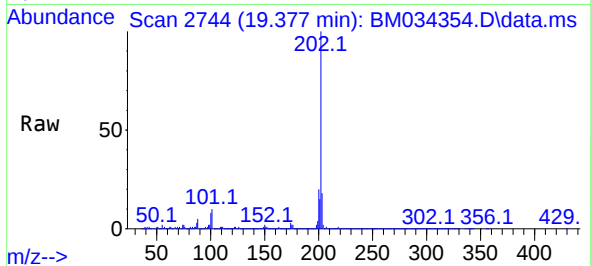
Tgt Ion:178 Resp: 258552
Ion Ratio Lower Upper
178 100
176 18.1 14.6 22.0
179 15.4 12.2 18.2





#75
Fluoranthene
Concen: 47.324 ng
RT: 19.377 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21

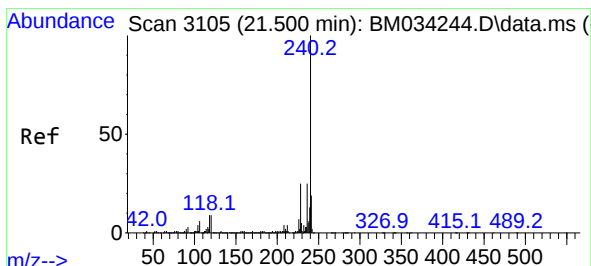
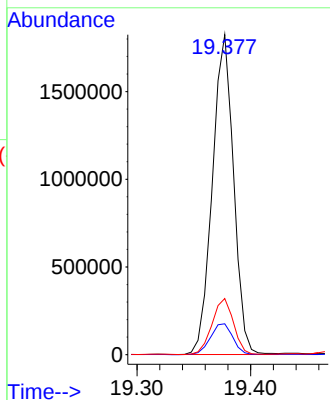
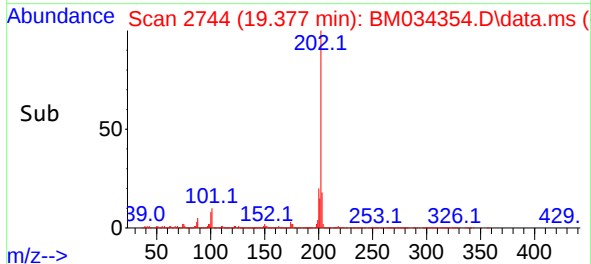
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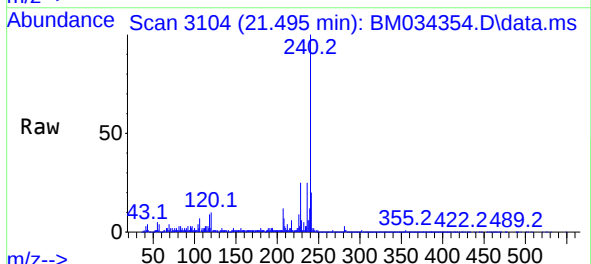
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Ion Ratio Lower Upper
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101 9.7 0.0 29.4
203 17.6 0.0 37.1

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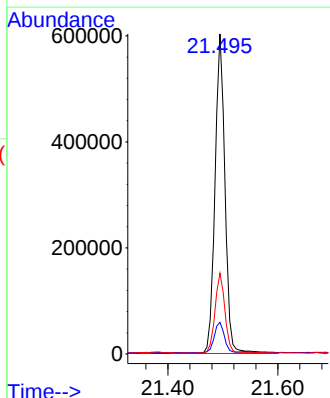
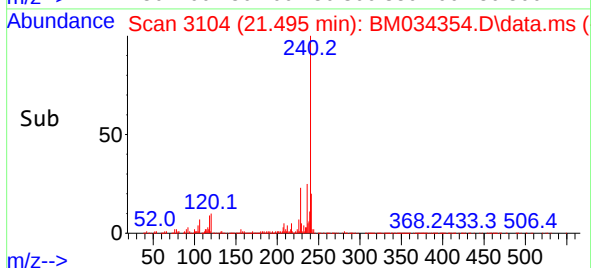
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

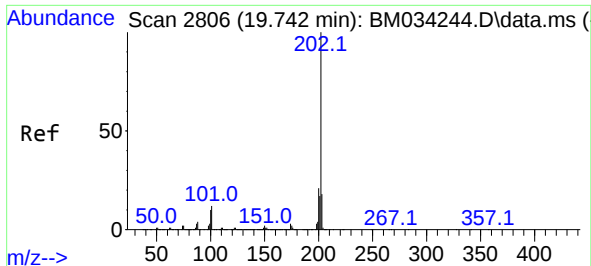


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.495 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21



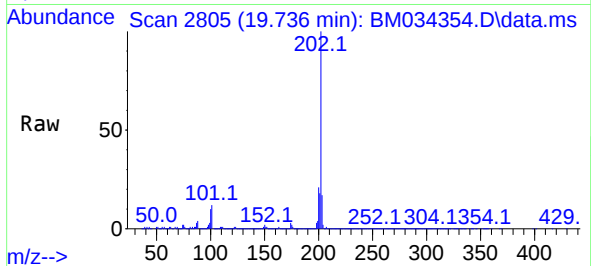
Tgt Ion:240 Resp: 762201
Ion Ratio Lower Upper
240 100
120 9.9 7.3 10.9
236 25.3 20.2 30.2





#78
Pyrene
Concen: 39.331 ng
RT: 19.736 min Scan# 2805
Delta R.T. 0.000 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21

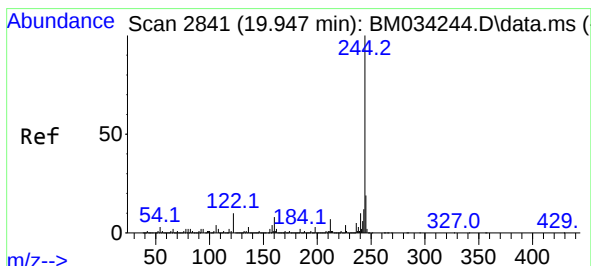
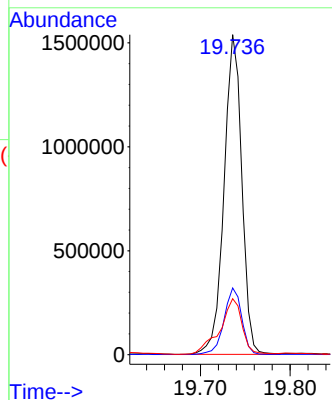
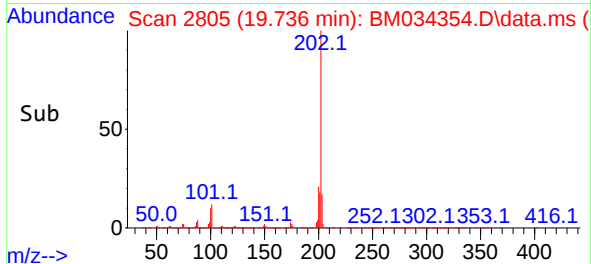
Instrument :
BNA_M
ClientSampleId :
C-8-7-8



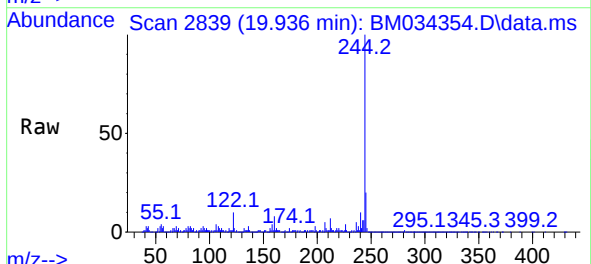
Tgt Ion:202 Resp: 211211
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 17.5 14.1 21.1

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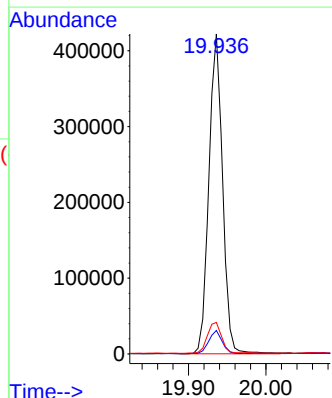
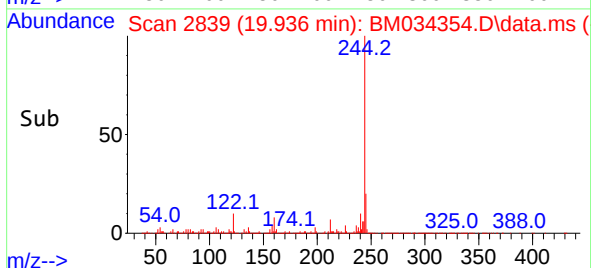
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

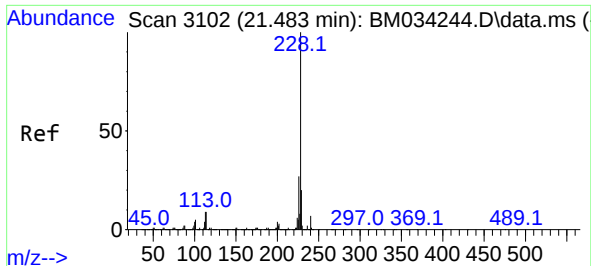


#79
Terphenyl-d14
Concen: 11.786 ng
RT: 19.936 min Scan# 2839
Delta R.T. 0.000 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21



Tgt Ion:244 Resp: 516992
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 9.9 7.8 11.8





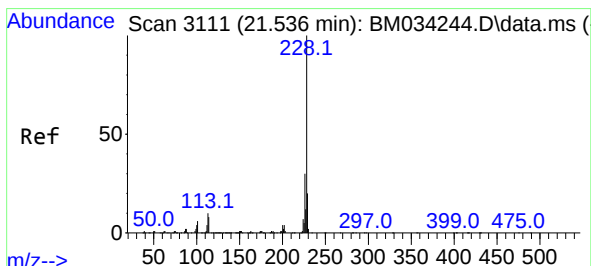
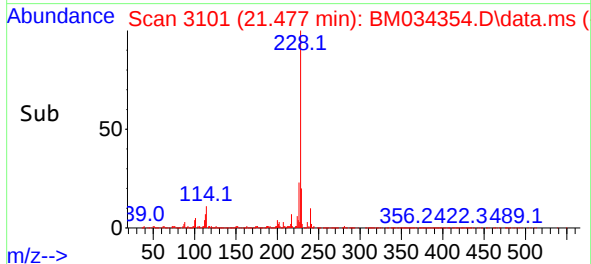
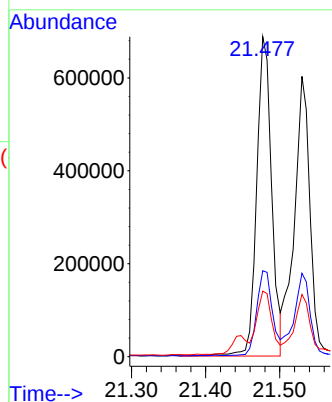
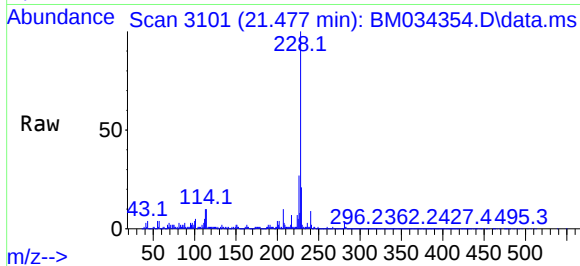
#81
Benzo(a)anthracene
Concen: 20.039 ng
RT: 21.477 min Scan# 3101
Delta R.T. 0.000 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21

Instrument :
BNA_M
ClientSampleId :
C-8-7-8

Tgt Ion:228 Resp: 964000
Ion Ratio Lower Upper
228 100
226 26.8 21.6 32.4
229 20.5 15.8 23.6

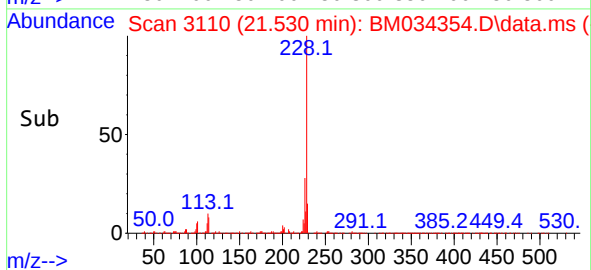
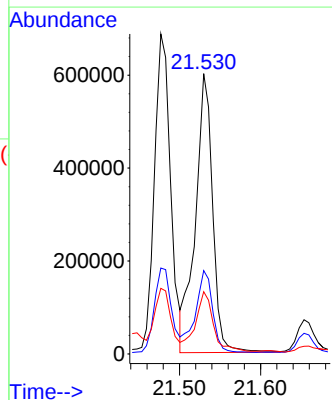
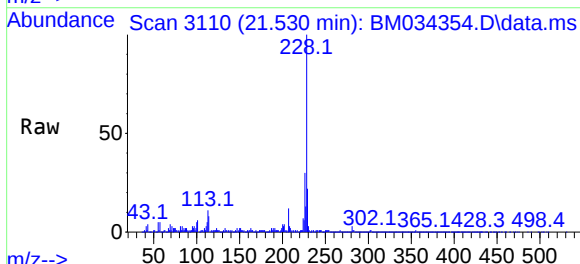
Manual Integrations
APPROVED

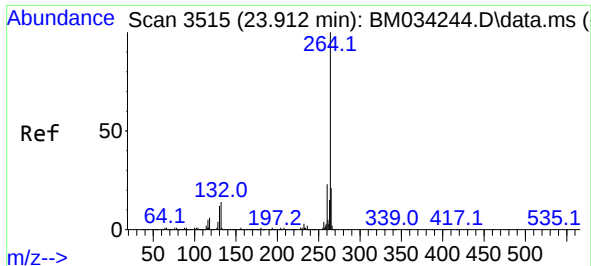
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#83
Chrysene
Concen: 18.153 ng
RT: 21.530 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21

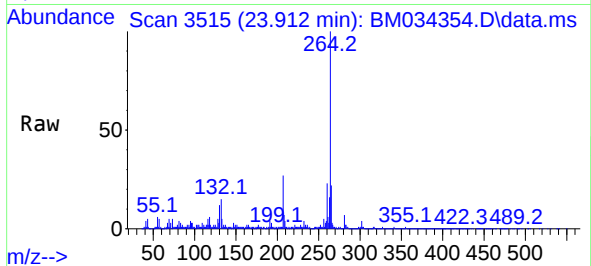
Tgt Ion:228 Resp: 891816
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.6
229 22.2 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.912 min Scan# 3515
Delta R.T. 0.006 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21

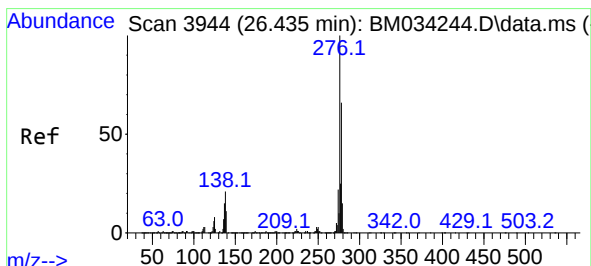
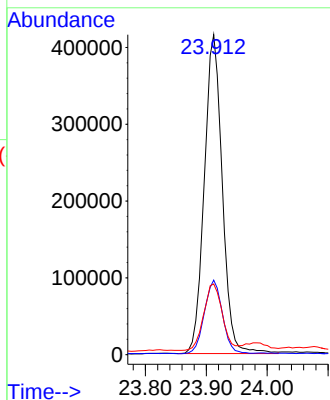
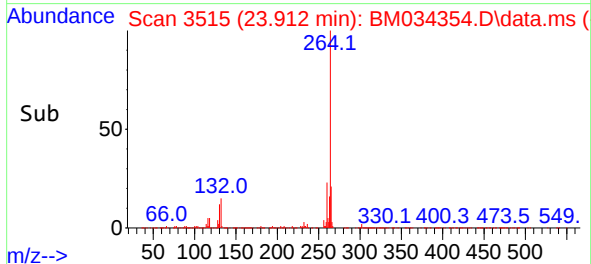
Instrument :
BNA_M
ClientSampleId :
C-8-7-8



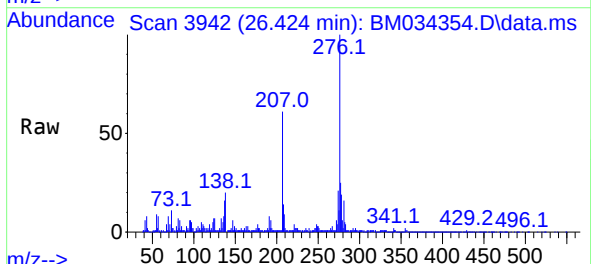
Tgt Ion:264 Resp: 85231
Ion Ratio Lower Upper
264 100
260 23.3 18.6 28.0
265 22.1 17.6 26.4

Manual Integrations
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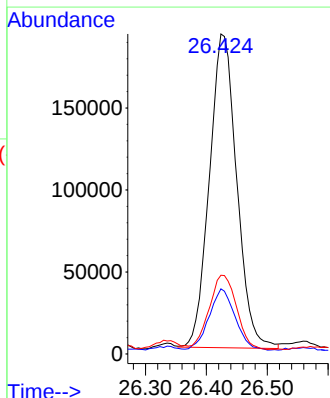
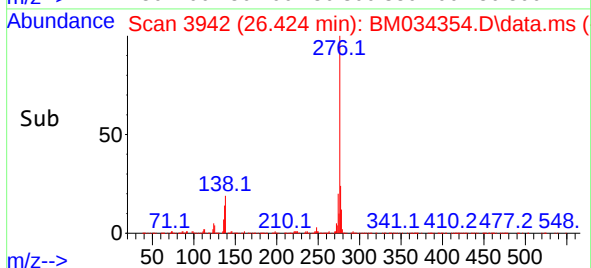
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

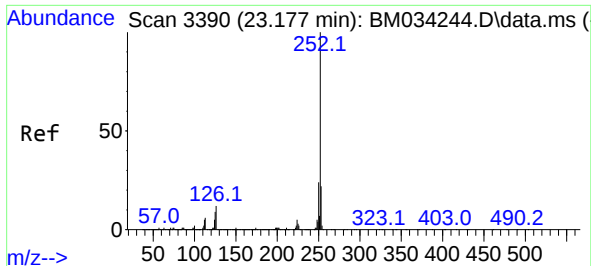


#87
Indeno(1,2,3-cd)pyrene
Concen: 10.891 ng
RT: 26.424 min Scan# 3942
Delta R.T. 0.000 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21



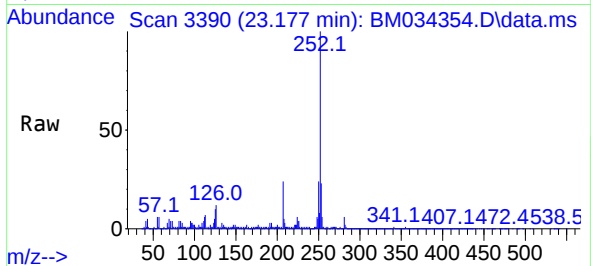
Tgt Ion:276 Resp: 597159
Ion Ratio Lower Upper
276 100
138 18.9 16.6 25.0
277 23.8 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 22.490 ng
RT: 23.177 min Scan# 3390
Delta R.T. 0.006 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21

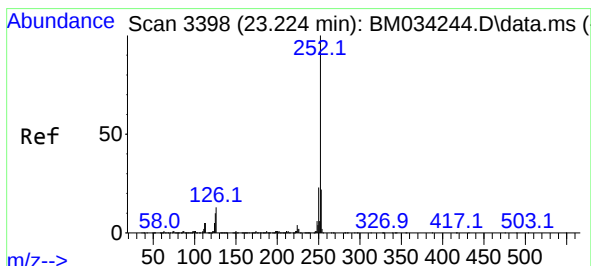
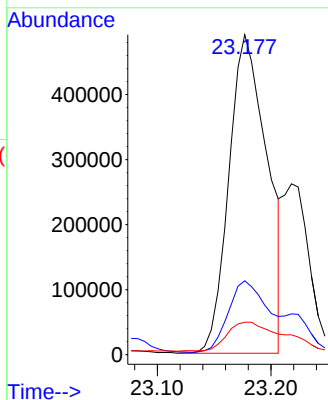
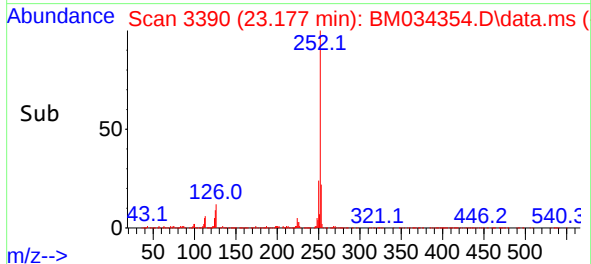
Instrument :
BNA_M
ClientSampleId :
C-8-7-8



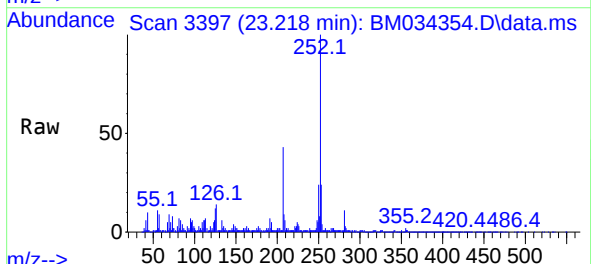
Tgt Ion:252 Resp: 1146239
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 10.1 7.2 10.8

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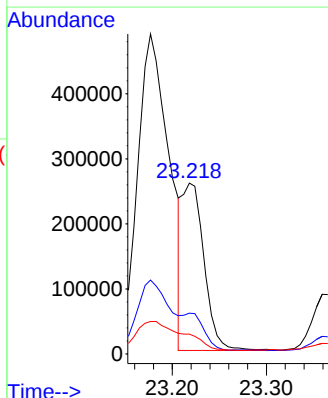
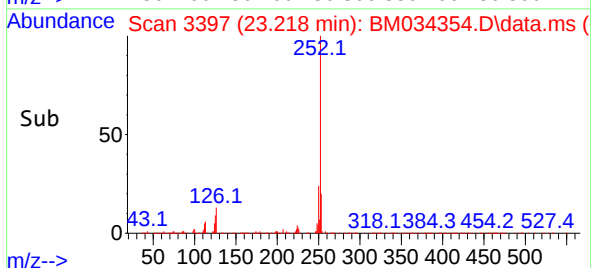
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

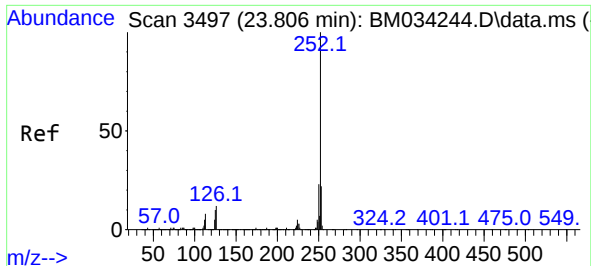


#89
Benzo(k)fluoranthene
Concen: 7.644 ng m
RT: 23.218 min Scan# 3397
Delta R.T. -0.006 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21



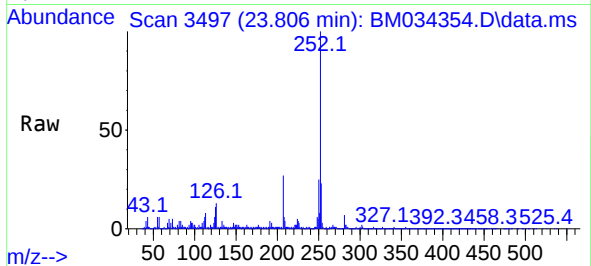
Tgt Ion:252 Resp: 412701
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 11.6 7.5 11.3#





#90
Benzo(a)pyrene
Concen: 20.592 ng
RT: 23.806 min Scan# 3497
Delta R.T. 0.006 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21

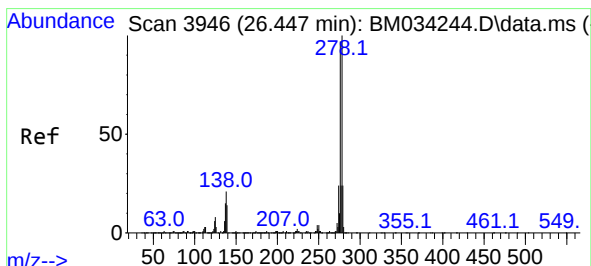
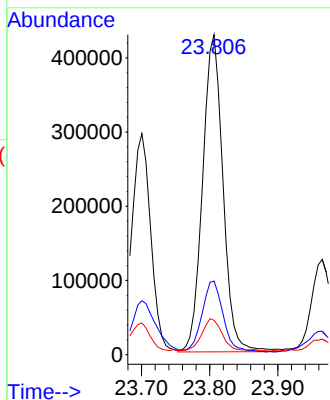
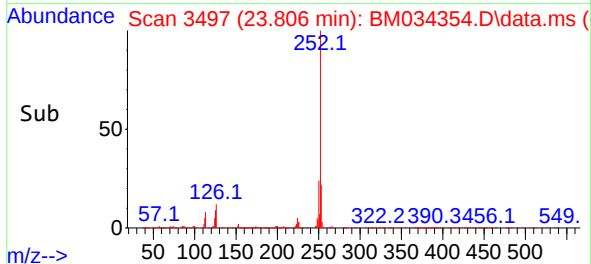
Instrument :
BNA_M
ClientSampleId :
C-8-7-8



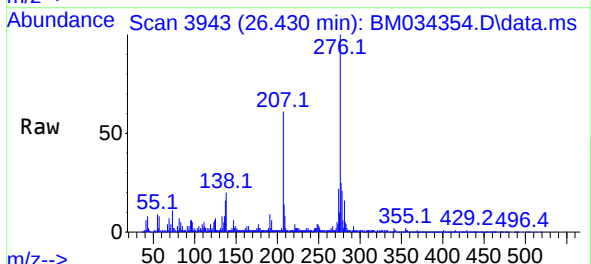
Tgt Ion:252 Resp: 889685
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 10.8 7.8 11.6

Manual Integrations
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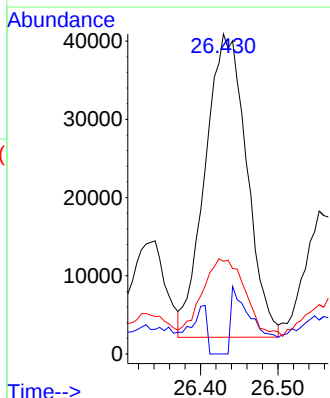
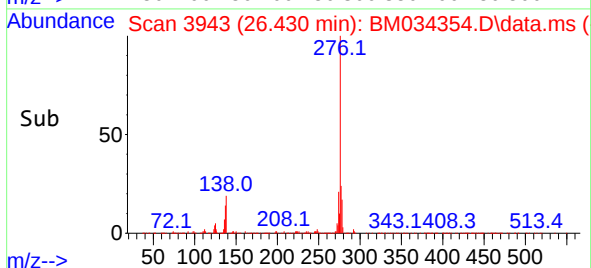
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

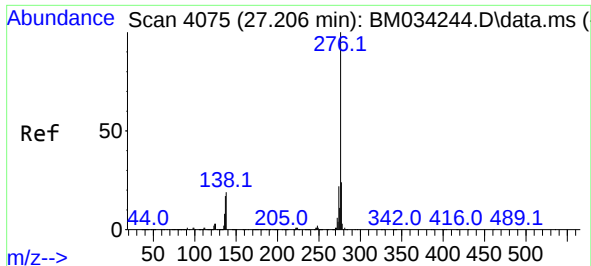


#91
Dibenzo(a,h)anthracene
Concen: 3.252 ng
RT: 26.430 min Scan# 3943
Delta R.T. -0.012 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21



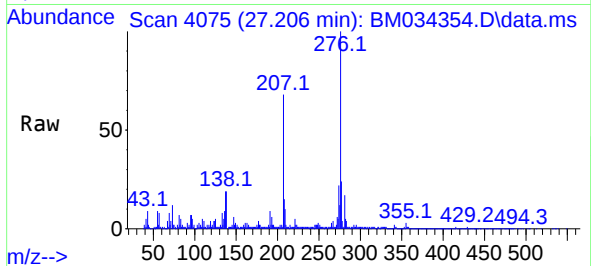
Tgt Ion:278 Resp: 144572
Ion Ratio Lower Upper
278 100
139 0.0 11.2 16.8#
279 29.0 19.2 28.8#





#92
Benzo(g,h,i)perylene
Concen: 13.447 ng
RT: 27.206 min Scan# 4075
Delta R.T. 0.006 min
Lab File: BM034354.D
Acq: 24 Mar 2022 00:21

Instrument :
BNA_M
ClientSampleId :
C-8-7-8



Tgt Ion: 276 Resp: 61878
Ion Ratio Lower Upper
276 100
277 24.4 19.0 28.4
138 18.5 15.6 23.4

Manual Integrations
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Reviewed By : Christian Giraldo 03/24/2022
Supervised By : Jagrut Upadhyay 03/24/2022

