

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
 Data File : BM034347.D
 Acq On : 23 Mar 2022 20:09
 Operator : CG/JU
 Sample : N1958-02 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C-2-1-2

Manual Integrations
 APPROVED

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

Quant Time: Mar 24 02:43:26 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	177628	20.000	ng	0.00
21) Naphthalene-d8	10.748	136	710606	20.000	ng	0.00
39) Acenaphthene-d10	14.577	164	425970	20.000	ng	0.00
64) Phenanthrene-d10	17.318	188	802064	20.000	ng	0.00
76) Chrysene-d12	21.489	240	751858	20.000	ng	0.00
86) Perylene-d12	23.900	264	831639	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	156603	15.816	ng	0.00
7) Phenol-d6	7.095	99	203743	14.372	ng	0.00
23) Nitrobenzene-d5	9.095	82	133789	9.166	ng	-0.01
42) 2,4,6-Tribromophenol	16.060	330	73354	12.776	ng	0.00
45) 2-Fluorobiphenyl	13.201	172	300824	9.650	ng	-0.01
79) Terphenyl-d14	19.930	244	412925	9.543	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.359	178	145357	3.236	ng	99
75) Fluoranthene	19.371	202	310176	6.160	ng	99
78) Pyrene	19.730	202	285294	5.386	ng	99
81) Benzo(a)anthracene	21.471	228	144984	3.055	ng	99
83) Chrysene	21.524	228	141432m	2.919	ng	
84) Bis(2-ethylhexyl)phtha...	21.400	149	249509	7.542	ng	99
88) Benzo(b)fluoranthene	23.171	252	186374m	3.748	ng	
90) Benzo(a)pyrene	23.794	252	136602	3.240	ng	# 93

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

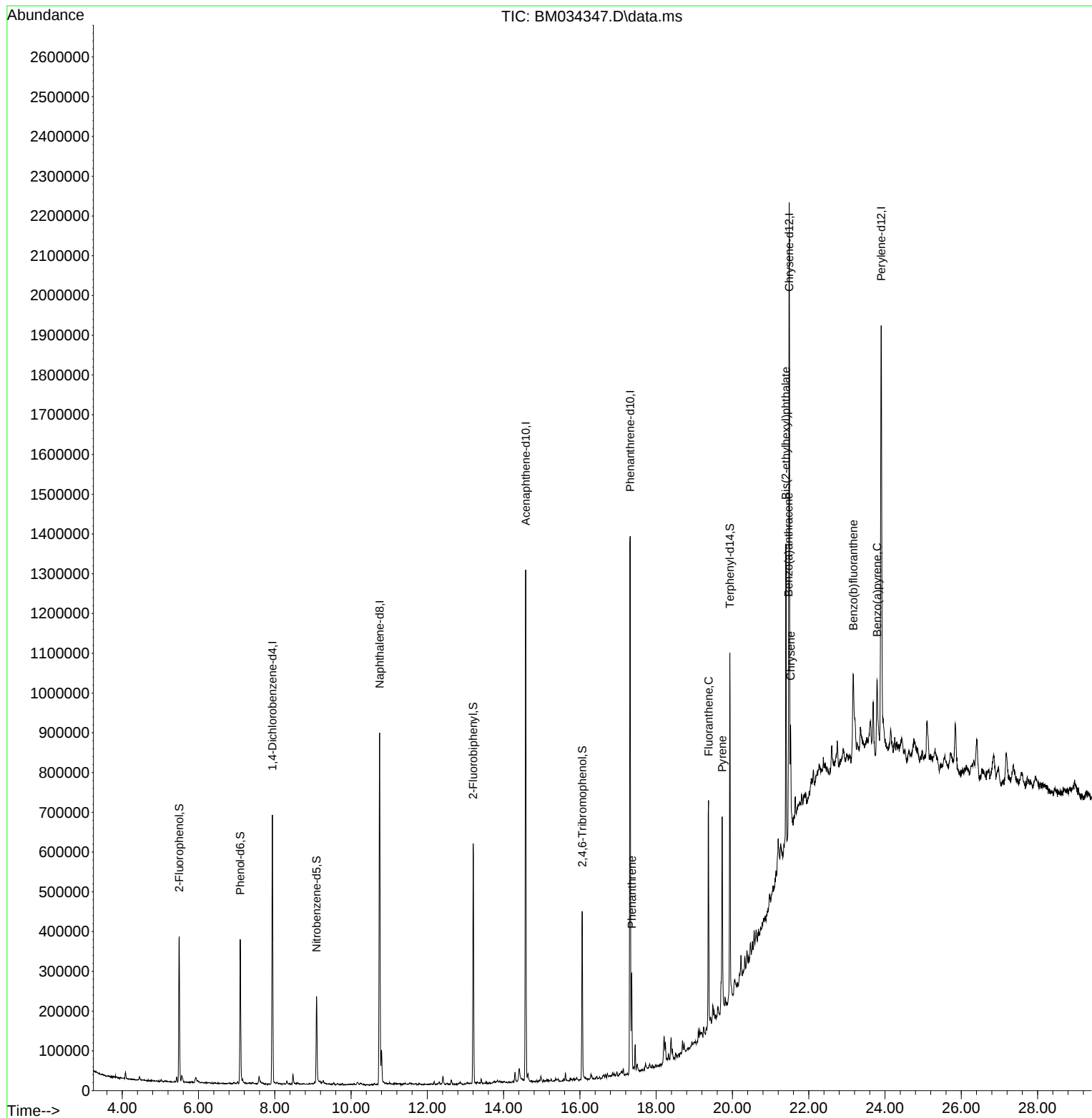
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034347.D
Acq On : 23 Mar 2022 20:09
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Misc :
ALS Vial : 9 Sample Multiplier: 1

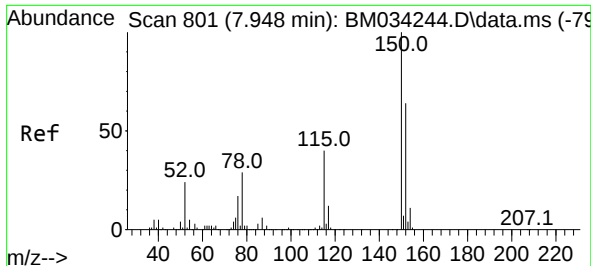
Instrument :
BNA_M
ClientSampleId :
C-2-1-2

Quant Time: Mar 24 02:43:26 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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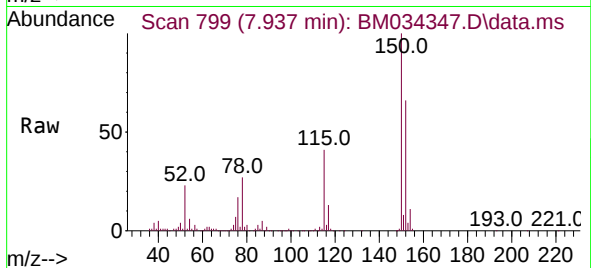
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 79
Delta R.T. -0.005 min
Lab File: BM034347.D
Acq: 23 Mar 2022 20:09

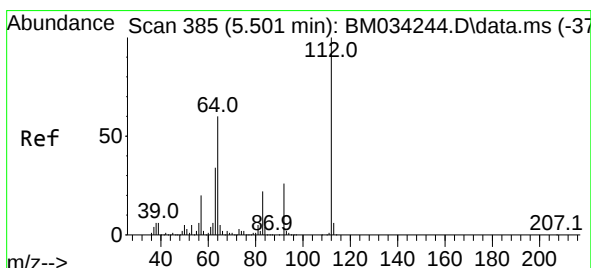
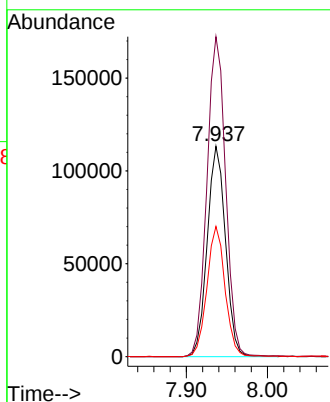
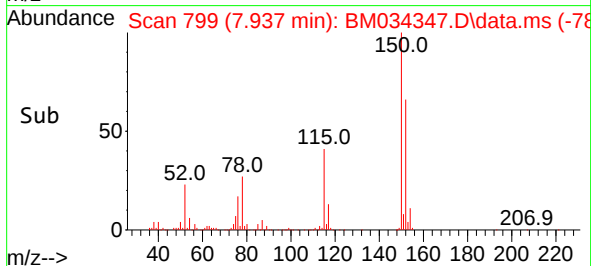
Instrument :
BNA_M
ClientSampleId :
C-2-1-2



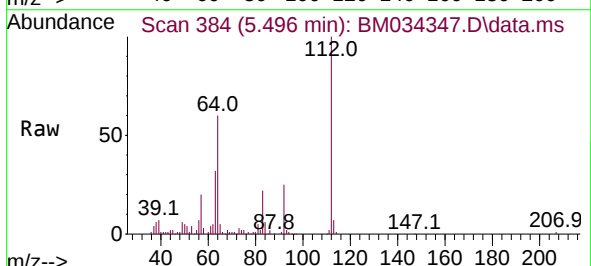
Tgt Ion:152 Resp: 177628
Ion Ratio Lower Upper
152 100
150 152.1 125.4 188.2
115 61.9 50.1 75.1

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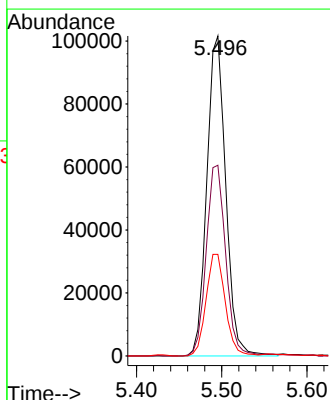
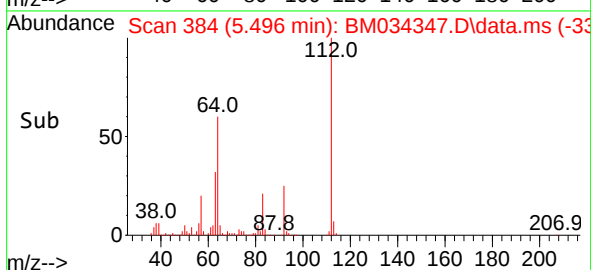
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

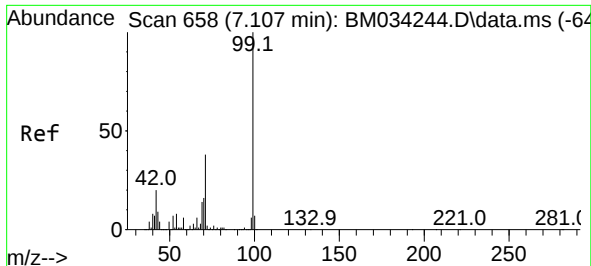


#5
2-Fluorophenol
Concen: 15.816 ng
RT: 5.496 min Scan# 384
Delta R.T. 0.006 min
Lab File: BM034347.D
Acq: 23 Mar 2022 20:09



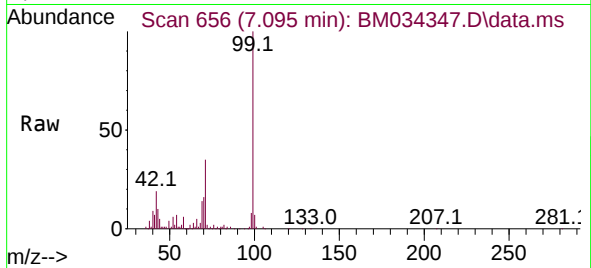
Tgt Ion:112 Resp: 156603
Ion Ratio Lower Upper
112 100
64 59.6 47.9 71.9
63 31.7 27.1 40.7





#7
Phenol-d6
Concen: 14.372 ng
RT: 7.095 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM034347.D
Acq: 23 Mar 2022 20:09

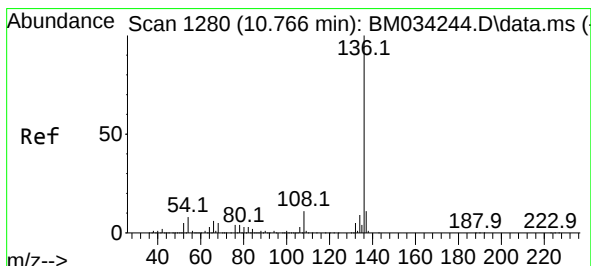
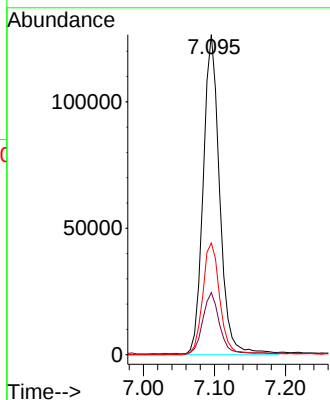
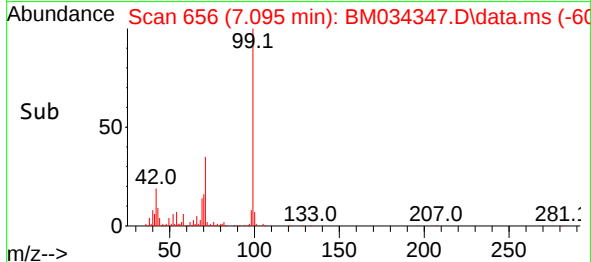
Instrument :
BNA_M
ClientSampleId :
C-2-1-2



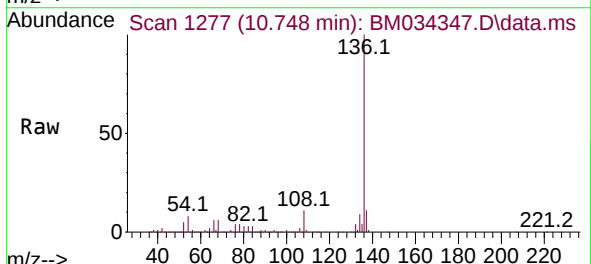
Tgt Ion: 99 Resp: 203743
Ion Ratio Lower Upper
99 100
42 19.4 15.6 23.4
71 34.9 30.6 46.0

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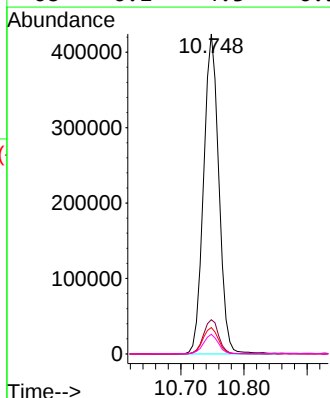
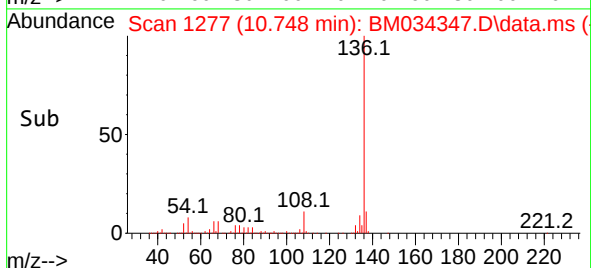
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

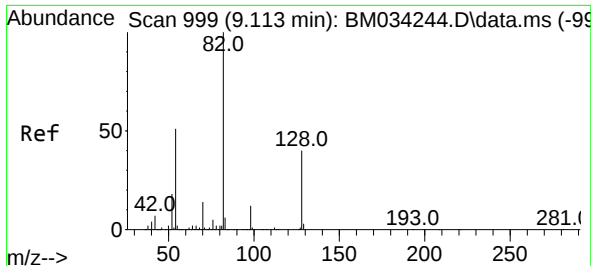


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.748 min Scan# 1277
Delta R.T. -0.006 min
Lab File: BM034347.D
Acq: 23 Mar 2022 20:09



Tgt Ion:136 Resp: 710606
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.2 6.2 9.4
68 6.1 4.3 6.5





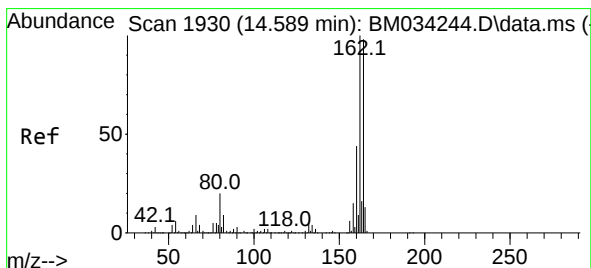
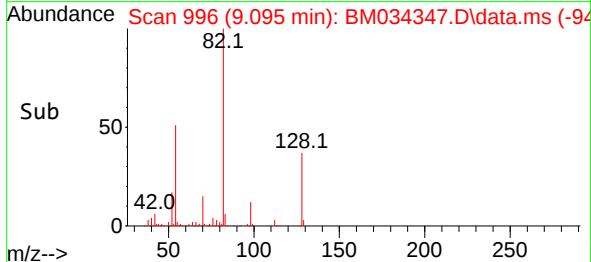
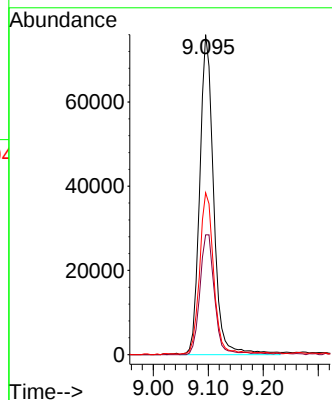
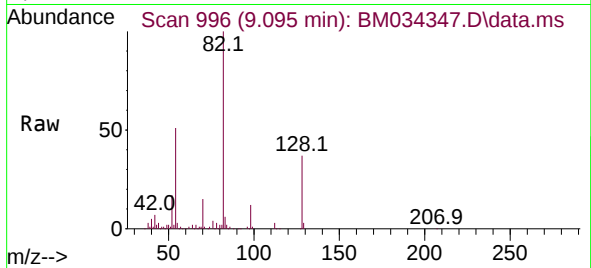
#23
Nitrobenzene-d5
Concen: 9.166 ng
RT: 9.095 min Scan# 99
Delta R.T. -0.012 min
Lab File: BM034347.D
Acq: 23 Mar 2022 20:09

Instrument :
BNA_M
ClientSampleId :
C-2-1-2

Tgt Ion: 82 Resp: 133789
Ion Ratio Lower Upper
82 100
128 37.4 31.9 47.9
54 50.6 40.6 61.0

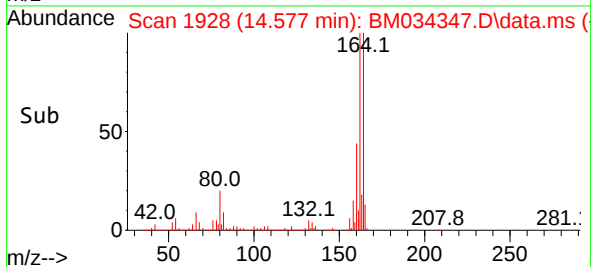
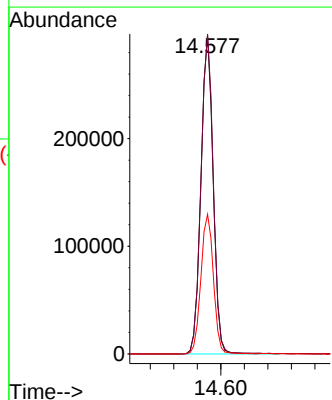
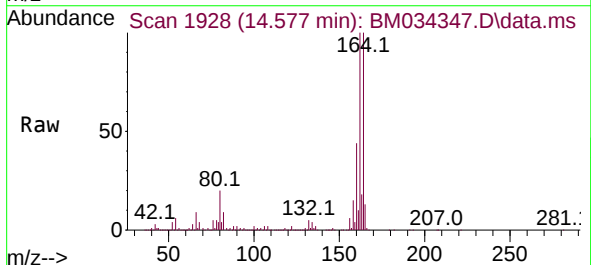
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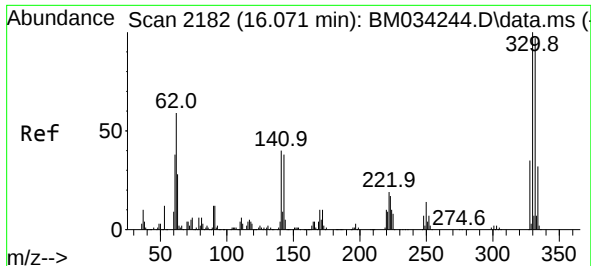
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.577 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BM034347.D
Acq: 23 Mar 2022 20:09

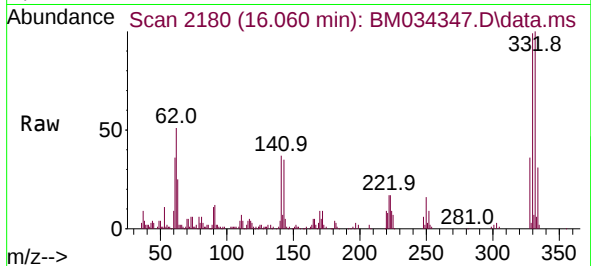
Tgt Ion:164 Resp: 425970
Ion Ratio Lower Upper
164 100
162 100.3 81.6 122.4
160 43.8 35.6 53.4





#42
2,4,6-Tribromophenol
Concen: 12.776 ng
RT: 16.060 min Scan# 2182
Delta R.T. -0.006 min
Lab File: BM034347.D
Acq: 23 Mar 2022 20:09

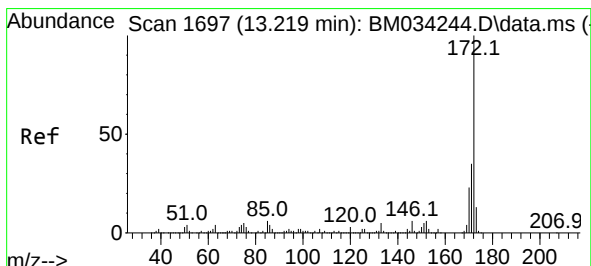
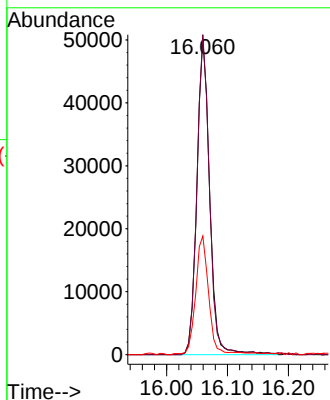
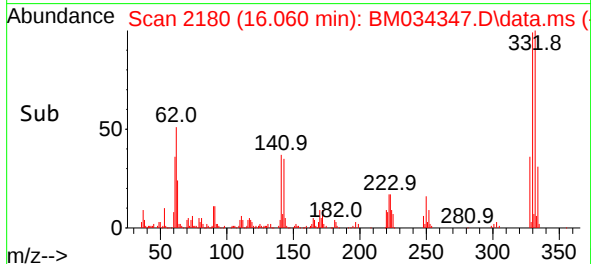
Instrument :
BNA_M
ClientSampleId :
C-2-1-2



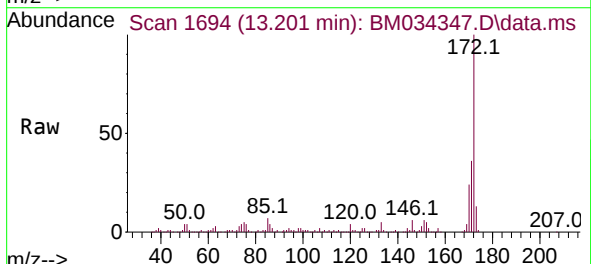
Tgt Ion:330 Resp: 73354
Ion Ratio Lower Upper
330 100
332 98.2 78.2 117.4
141 37.5 30.6 45.8

Manual Integrations
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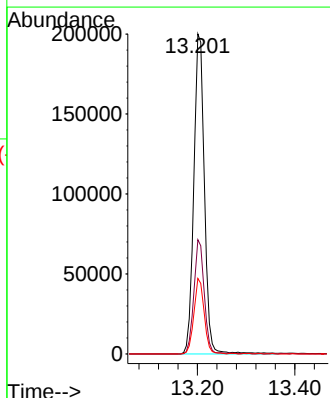
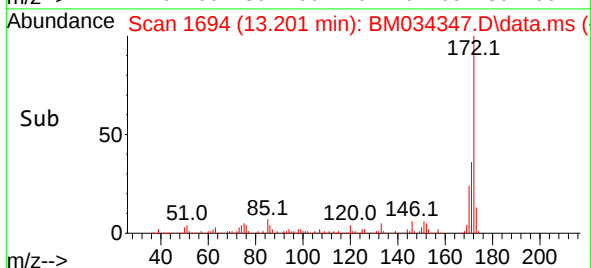
Reviewed By :Christian Giraldo 03/24/2022
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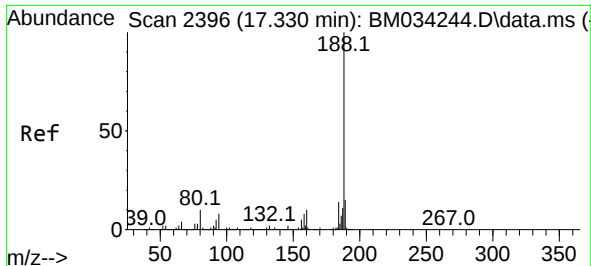


#45
2-Fluorobiphenyl
Concen: 9.650 ng
RT: 13.201 min Scan# 1694
Delta R.T. -0.012 min
Lab File: BM034347.D
Acq: 23 Mar 2022 20:09



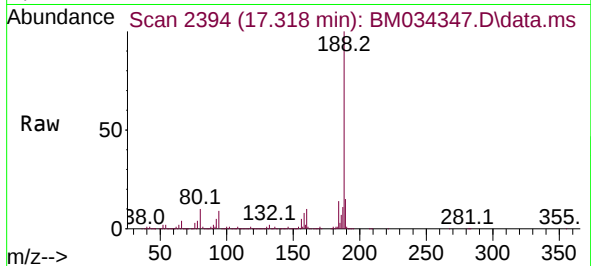
Tgt Ion:172 Resp: 300824
Ion Ratio Lower Upper
172 100
171 35.7 28.0 42.0
170 23.6 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.318 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BM034347.D
Acq: 23 Mar 2022 20:09

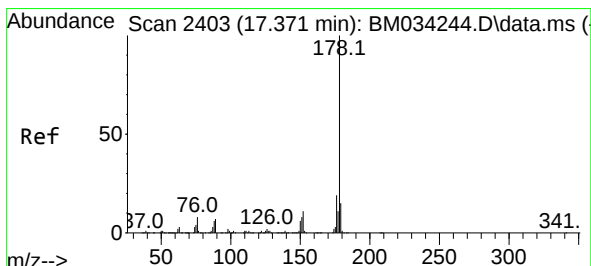
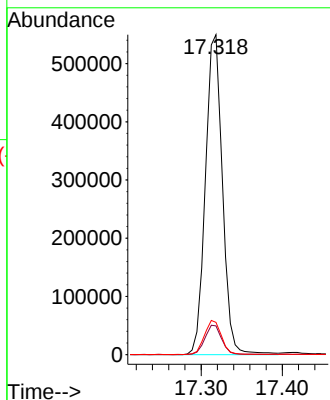
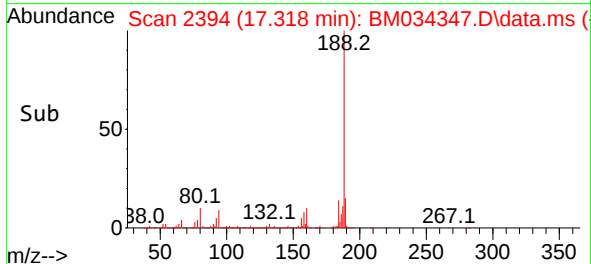
Instrument :
BNA_M
ClientSampleId :
C-2-1-2



Tgt Ion:188 Resp: 802064
Ion Ratio Lower Upper
188 100
94 9.0 6.6 9.8
80 10.1 7.8 11.8

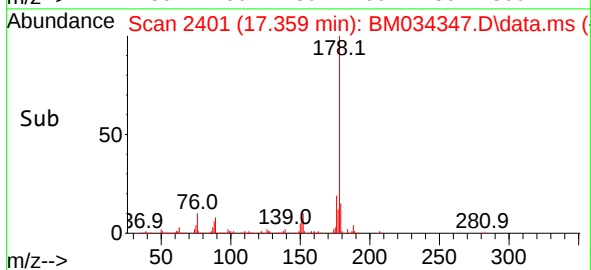
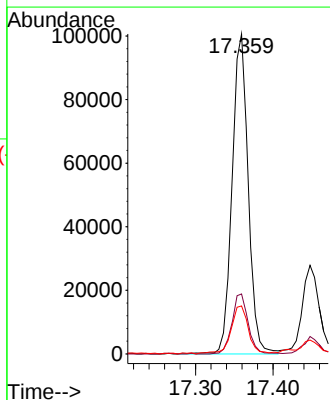
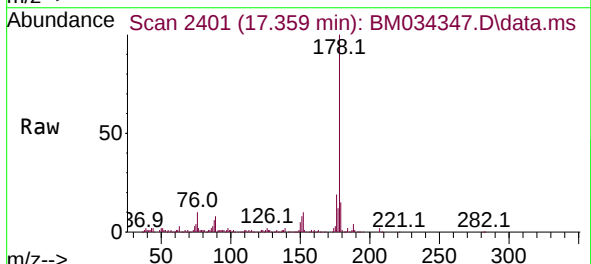
Manual Integrations
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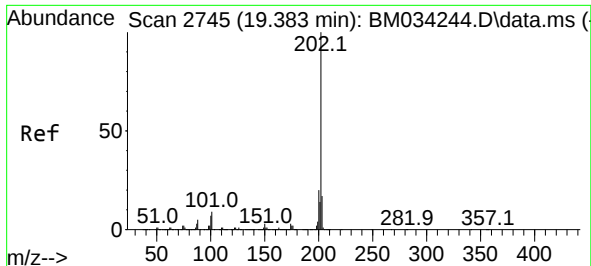
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#71
Phenanthrene
Concen: 3.236 ng
RT: 17.359 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BM034347.D
Acq: 23 Mar 2022 20:09

Tgt Ion:178 Resp: 145357
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.0 12.2 18.4





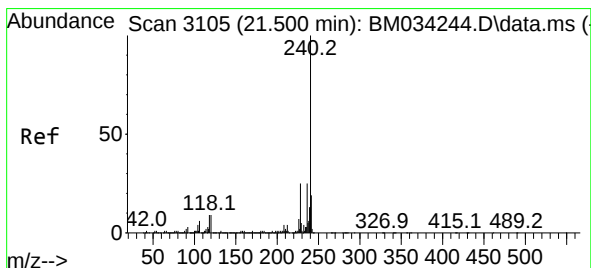
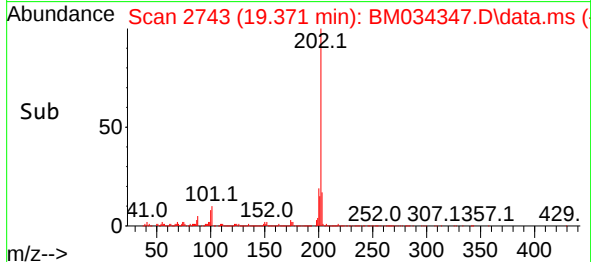
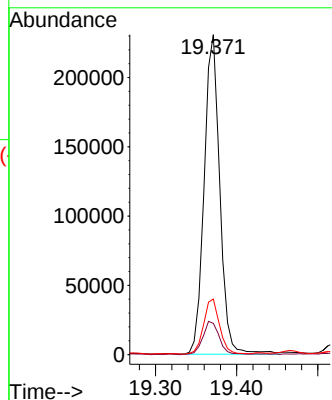
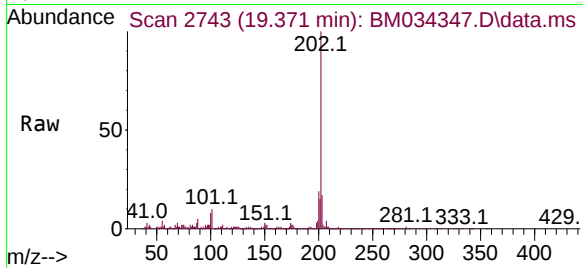
#75
Fluoranthene
Concen: 6.160 ng
RT: 19.371 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034347.D
Acq: 23 Mar 2022 20:09

Instrument :
BNA_M
ClientSampleId :
C-2-1-2

Tgt Ion:202 Resp: 310176
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.4
203 17.4 0.0 37.1

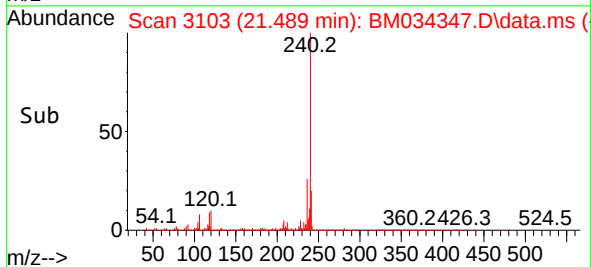
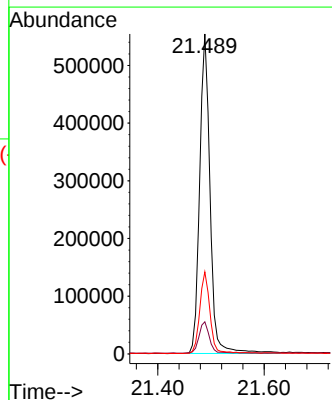
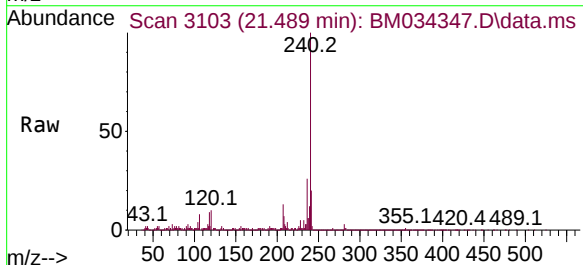
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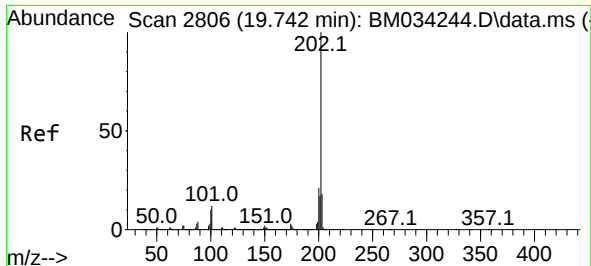
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BM034347.D
Acq: 23 Mar 2022 20:09

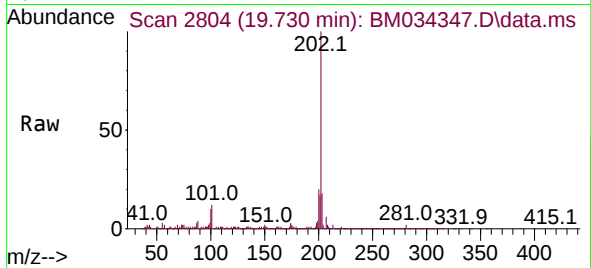
Tgt Ion:240 Resp: 751858
Ion Ratio Lower Upper
240 100
120 10.0 7.3 10.9
236 25.6 20.2 30.2





#78
 Pyrene
 Concen: 5.386 ng
 RT: 19.730 min Scan# 2806
 Delta R.T. -0.006 min
 Lab File: BM034347.D
 Acq: 23 Mar 2022 20:09

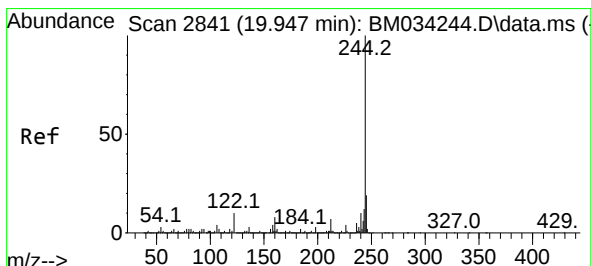
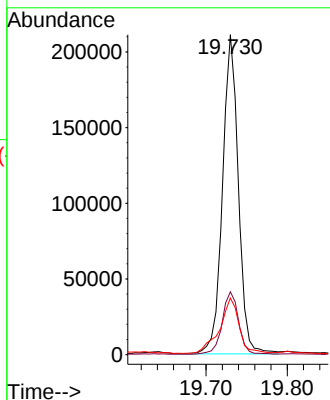
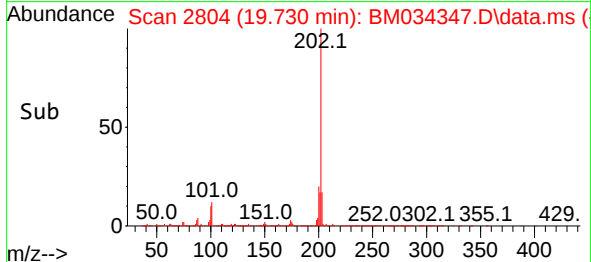
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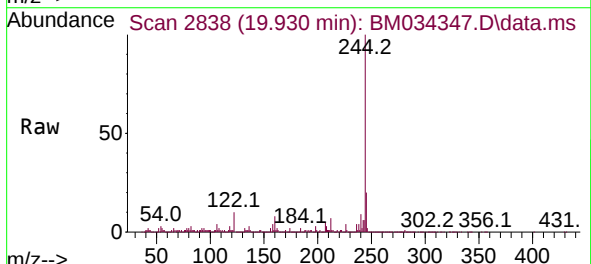
Tgt Ion:202 Resp: 285294
 Ion Ratio Lower Upper
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 200 19.6 16.6 24.8
 203 17.7 14.1 21.1

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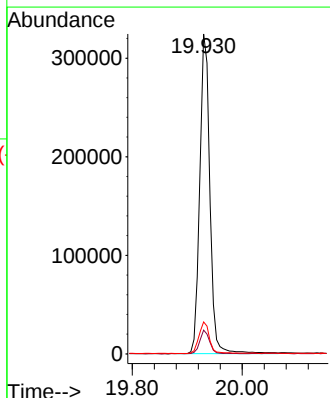
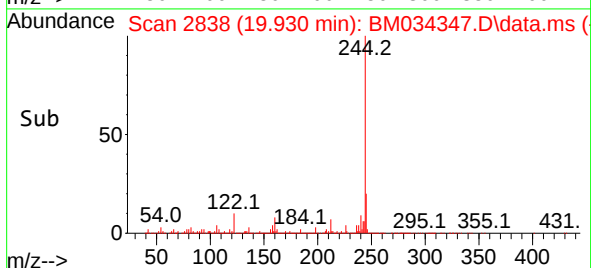
Reviewed By :Christian Giraldo 03/24/2022
 Supervised By :Jagrut Upadhyay 03/24/2022

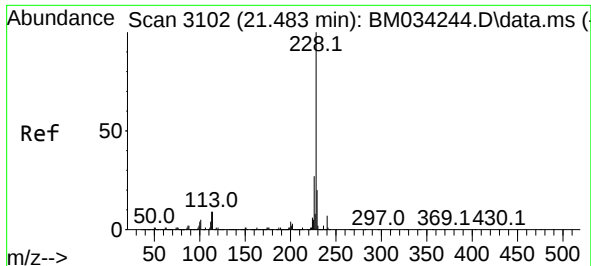


#79
 Terphenyl-d14
 Concen: 9.543 ng
 RT: 19.930 min Scan# 2838
 Delta R.T. -0.006 min
 Lab File: BM034347.D
 Acq: 23 Mar 2022 20:09



Tgt Ion:244 Resp: 412925
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.9 8.9
 122 10.0 7.8 11.8





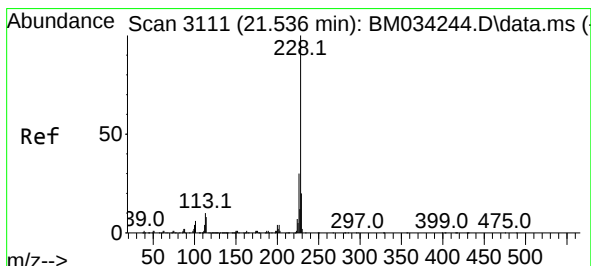
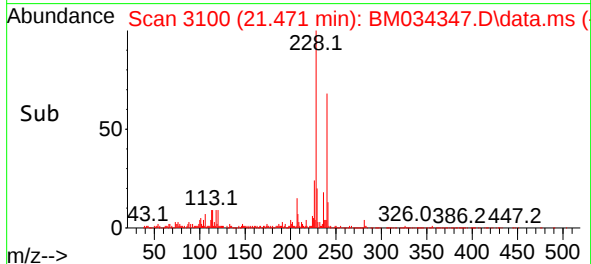
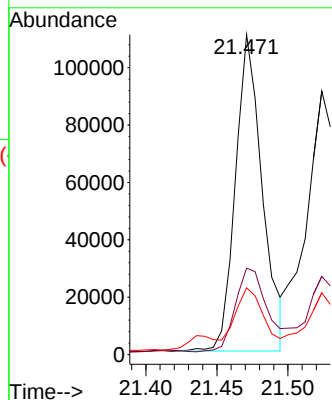
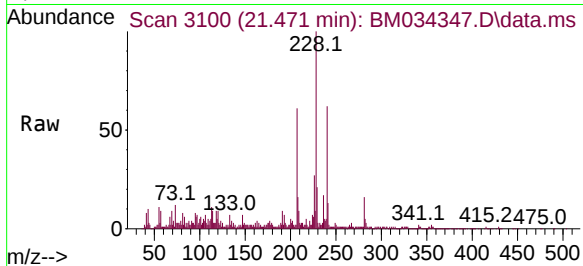
#81
Benzo(a)anthracene
Concen: 3.055 ng
RT: 21.471 min Scan# 3109
Delta R.T. -0.006 min
Lab File: BM034347.D
Acq: 23 Mar 2022 20:09

Instrument :
BNA_M
ClientSampleId :
C-2-1-2

Tgt Ion:228 Resp: 144984
Ion Ratio Lower Upper
228 100
226 27.0 21.6 32.4
229 20.9 15.8 23.6

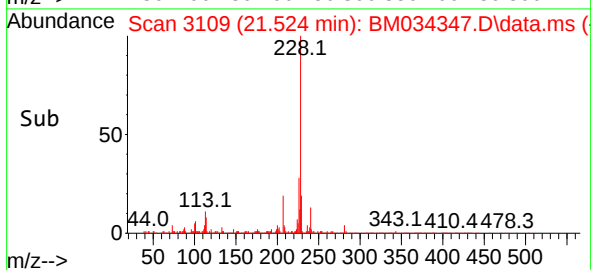
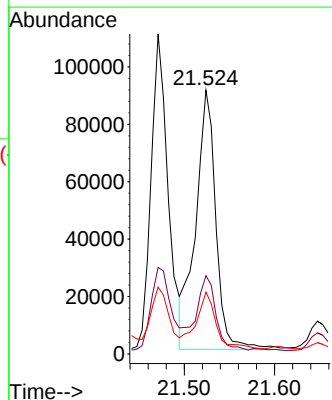
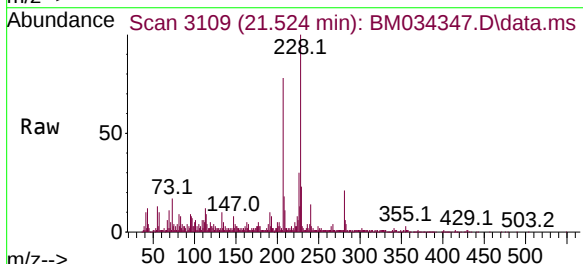
Manual Integrations
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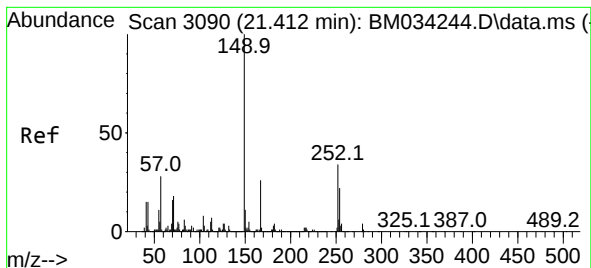
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#83
Chrysene
Concen: 2.919 ng m
RT: 21.524 min Scan# 3109
Delta R.T. -0.012 min
Lab File: BM034347.D
Acq: 23 Mar 2022 20:09

Tgt Ion:228 Resp: 141432
Ion Ratio Lower Upper
228 100
226 29.7 23.8 35.6
229 23.5 15.6 23.4#





#84

Bis(2-ethylhexyl)phthalate

Concen: 7.542 ng

RT: 21.400 min Scan# 30

Delta R.T. -0.006 min

Lab File: BM034347.D

Acq: 23 Mar 2022 20:09

Instrument :

BNA_M

ClientSampleId :

C-2-1-2

Tgt Ion:149 Resp: 249509

Ion Ratio Lower Upper

149 100

167 26.8 21.2 31.8

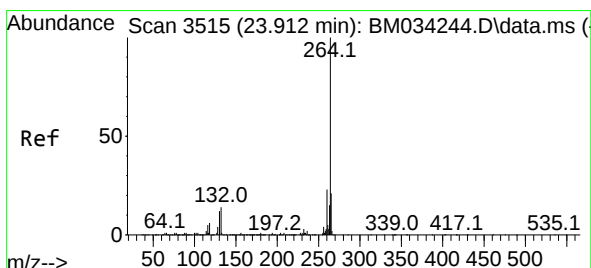
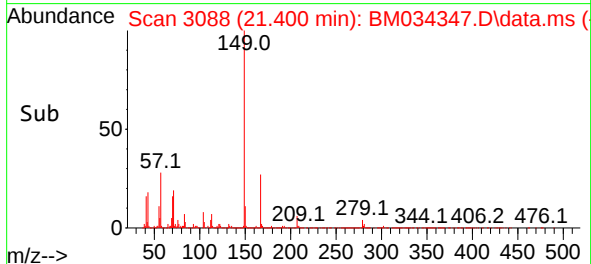
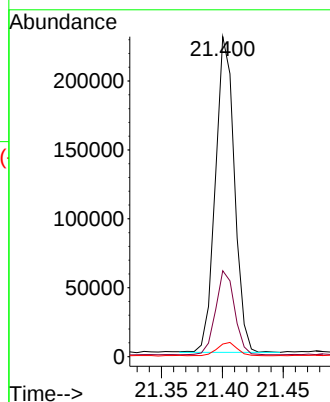
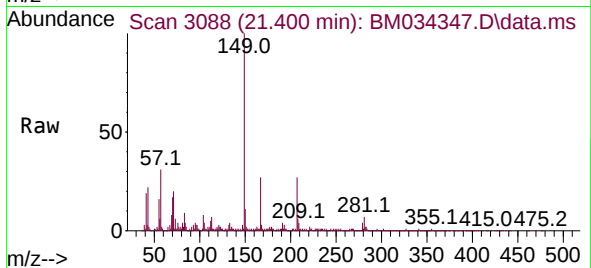
279 3.9 3.4 5.2

Manual Integrations

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Reviewed By :Christian Giraldo 03/24/2022

Supervised By :Jagrut Upadhyay 03/24/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.900 min Scan# 3513

Delta R.T. -0.006 min

Lab File: BM034347.D

Acq: 23 Mar 2022 20:09

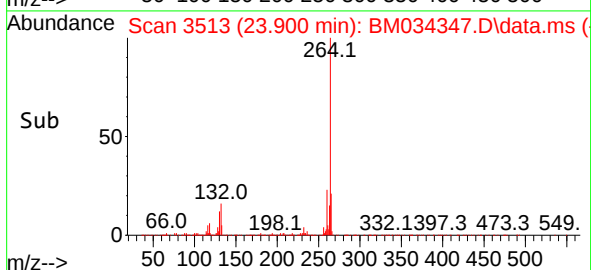
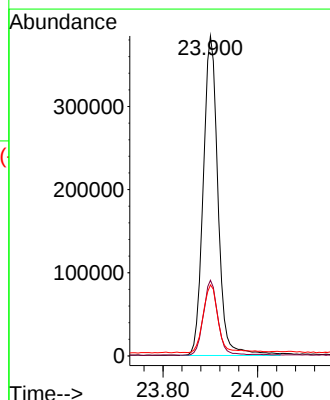
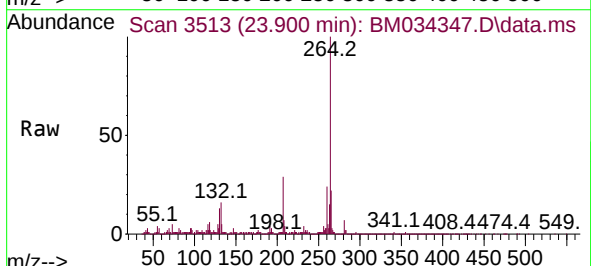
Tgt Ion:264 Resp: 831639

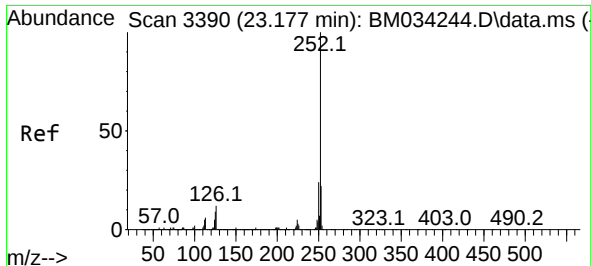
Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

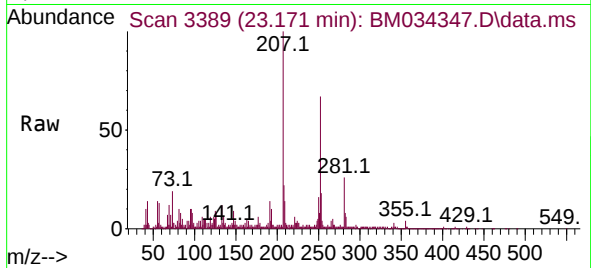
265 22.2 17.6 26.4





#88
Benzo(b)fluoranthene
Concen: 3.748 ng m
RT: 23.171 min Scan# 3390
Delta R.T. -0.000 min
Lab File: BM034347.D
Acq: 23 Mar 2022 20:09

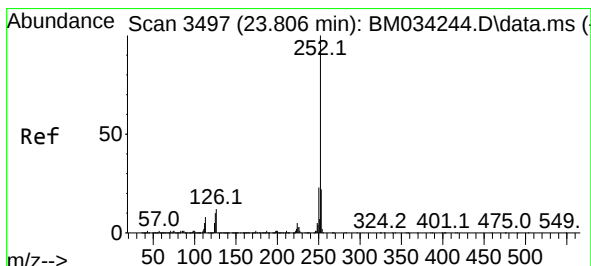
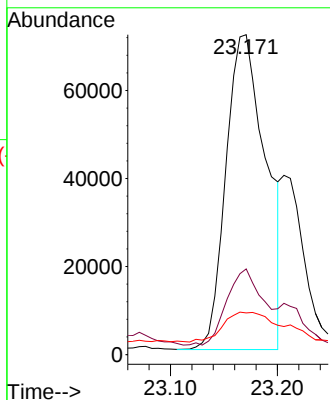
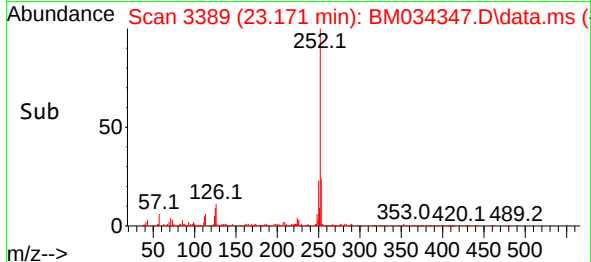
Instrument :
BNA_M
ClientSampleId :
C-2-1-2



Tgt Ion:252 Resp: 186374
Ion Ratio Lower Upper
252 100
253 26.8 17.8 26.8
125 13.0 7.2 10.8

Manual Integrations
APPROVED

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



#90
Benzo(a)pyrene
Concen: 3.240 ng
RT: 23.794 min Scan# 3495
Delta R.T. -0.006 min
Lab File: BM034347.D
Acq: 23 Mar 2022 20:09

Tgt Ion:252 Resp: 136602
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 14.3 7.8 11.6

