

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
 Data File : BM034350.D
 Acq On : 23 Mar 2022 21:57
 Operator : CG/JU
 Sample : N1958-04 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C-4-3-4

Manual Integrations
 APPROVED

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

Quant Time: Mar 24 02:43:47 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	7.936	152	169289	20.000	ng	0.00
21) Naphthalene-d8	10.748	136	672294	20.000	ng	0.00
39) Acenaphthene-d10	14.577	164	403526	20.000	ng	0.00
64) Phenanthrene-d10	17.318	188	768600	20.000	ng	0.00
76) Chrysene-d12	21.488	240	738976	20.000	ng	0.00
86) Perylene-d12	23.900	264	822740	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.490	112	221387	23.460	ng	0.00
7) Phenol-d6	7.095	99	285858	21.157	ng	0.00
23) Nitrobenzene-d5	9.095	82	189535	13.726	ng	-0.01
42) 2,4,6-Tribromophenol	16.059	330	107898	19.838	ng	0.00
45) 2-Fluorobiphenyl	13.207	172	404862	13.710	ng	0.00
79) Terphenyl-d14	19.930	244	552666	12.995	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.795	128	93943	2.682	ng	98
71) Phenanthrene	17.359	178	551620	12.815	ng	99
72) Anthracene	17.448	178	141622	3.380	ng	99
75) Fluoranthene	19.371	202	928546	19.243	ng	99
78) Pyrene	19.730	202	872078	16.750	ng	99
81) Benzo(a)anthracene	21.471	228	417209	8.945	ng	97
83) Chrysene	21.524	228	391136	8.212	ng	96
84) Bis(2-ethylhexyl)phtha...	21.400	149	115332	3.547	ng	99
87) Indeno(1,2,3-cd)pyrene	26.412	276	268244	5.068	ng	98
88) Benzo(b)fluoranthene	23.165	252	524215m	10.655	ng	
89) Benzo(k)fluoranthene	23.212	252	173417m	3.327	ng	
90) Benzo(a)pyrene	23.794	252	396954	9.518	ng	96
92) Benzo(g,h,i)perylene	27.182	276	285112	6.419	ng	99

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

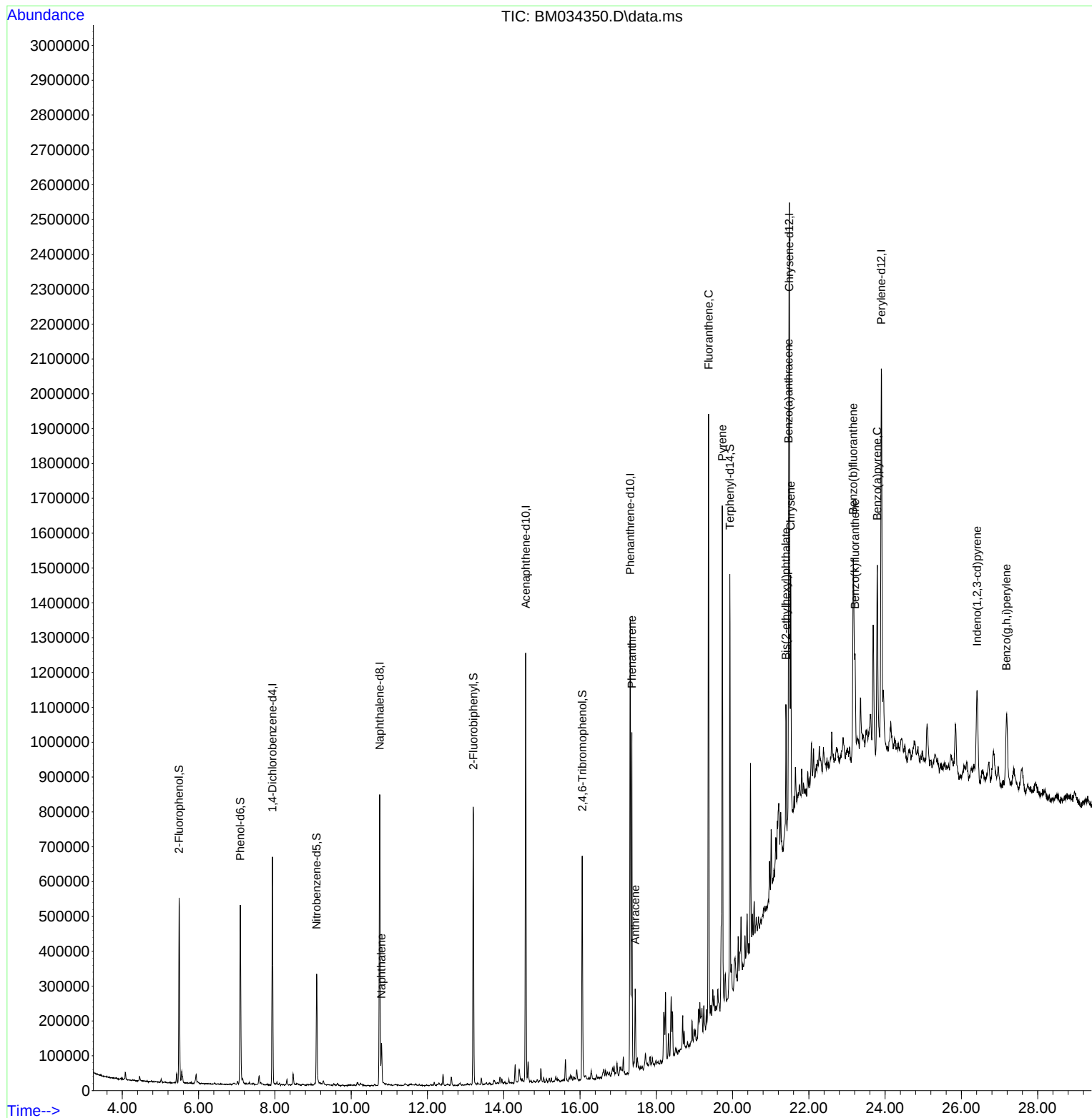
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034350.D
Acq On : 23 Mar 2022 21:57
Operator : CG/JU
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ALS Vial : 12 Sample Multiplier: 1

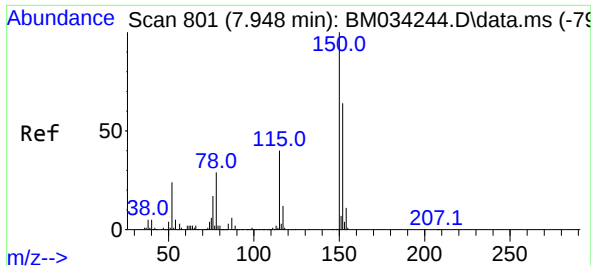
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Quant Time: Mar 24 02:43:47 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 24 02:40:59 2022
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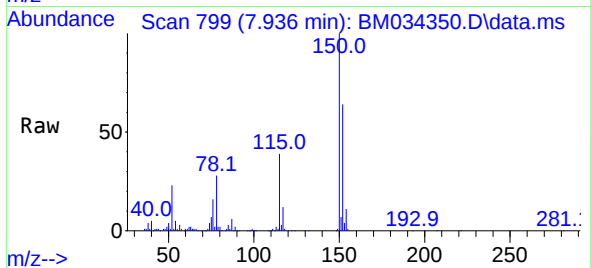
Reviewed By : Christian Giraldo 03/24/2022
Supervised By : Jagrut Upadhyay 03/24/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.936 min Scan# 79
Delta R.T. -0.006 min
Lab File: BM034350.D
Acq: 23 Mar 2022 21:57

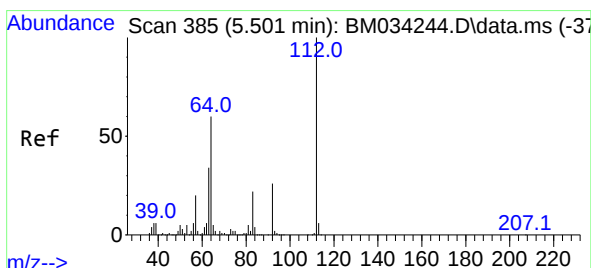
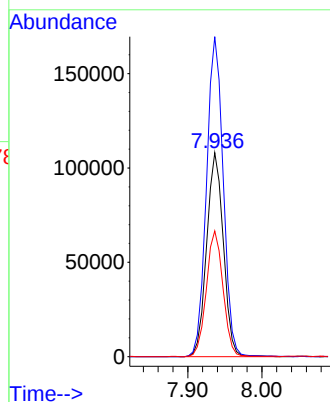
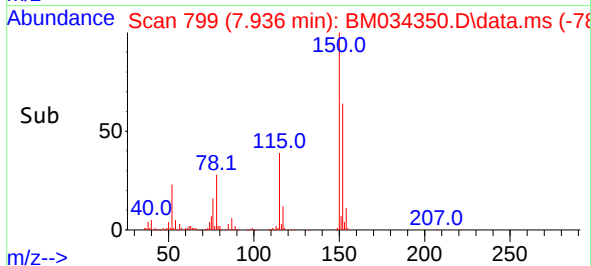
Instrument :
BNA_M
ClientSampleId :
C-4-3-4



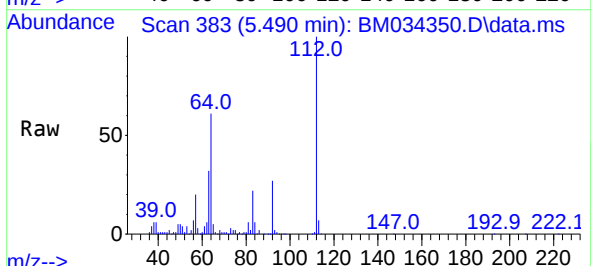
Tgt Ion:152 Resp: 169289
Ion Ratio Lower Upper
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150 156.8 125.4 188.2
115 61.6 50.1 75.1

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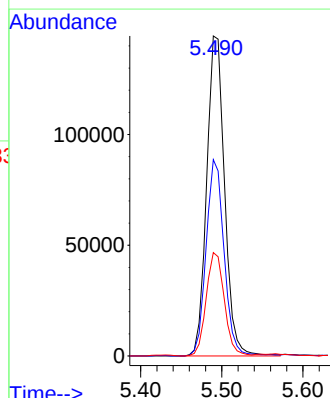
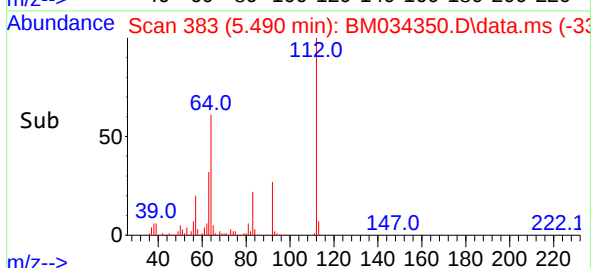
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

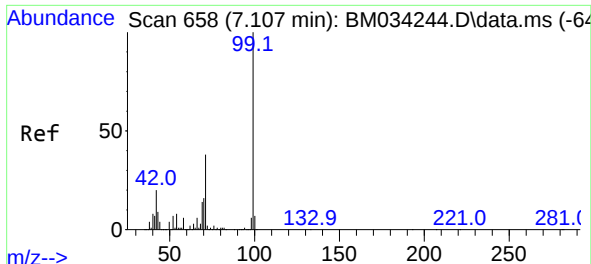


#5
2-Fluorophenol
Concen: 23.460 ng
RT: 5.490 min Scan# 383
Delta R.T. -0.000 min
Lab File: BM034350.D
Acq: 23 Mar 2022 21:57



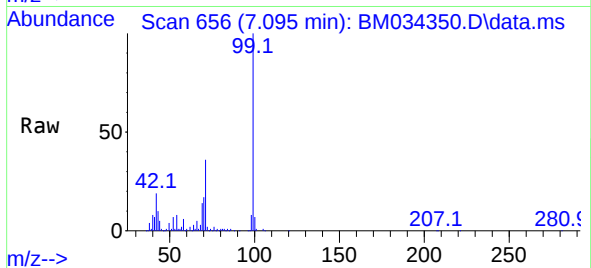
Tgt Ion:112 Resp: 221387
Ion Ratio Lower Upper
112 100
64 61.4 47.9 71.9
63 32.3 27.1 40.7





#7
Phenol-d6
Concen: 21.157 ng
RT: 7.095 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM034350.D
Acq: 23 Mar 2022 21:57

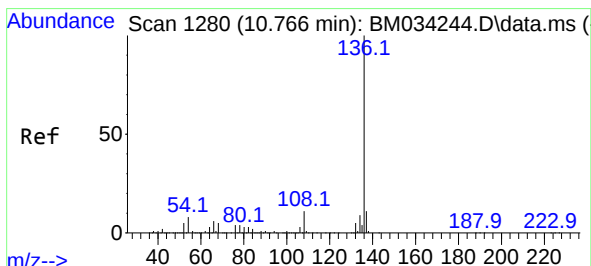
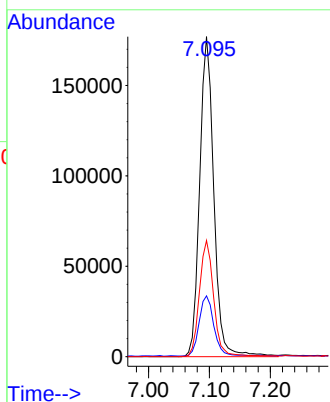
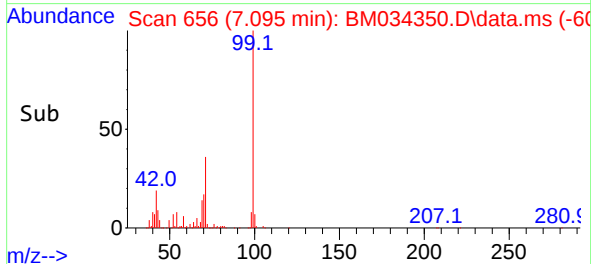
Instrument :
BNA_M
ClientSampleId :
C-4-3-4



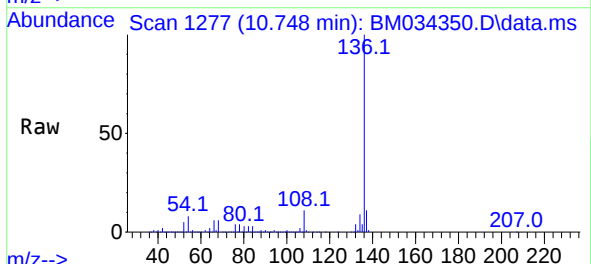
Tgt Ion: 99 Resp: 285858
Ion Ratio Lower Upper
99 100
42 19.0 15.6 23.4
71 36.3 30.6 46.0

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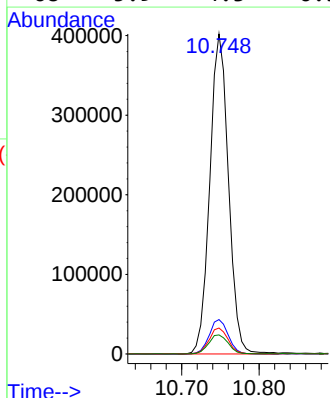
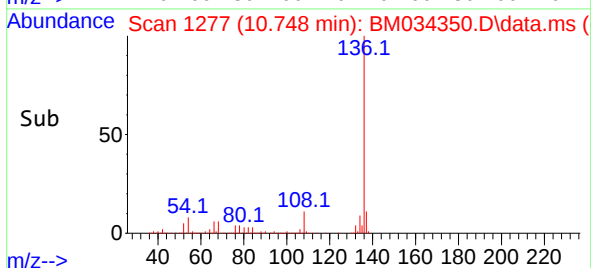
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

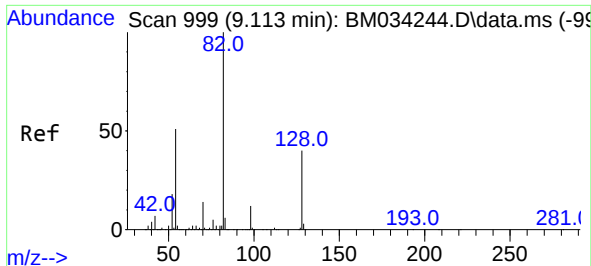


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.748 min Scan# 1277
Delta R.T. -0.006 min
Lab File: BM034350.D
Acq: 23 Mar 2022 21:57



Tgt Ion:136 Resp: 672294
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.1 6.2 9.4
68 5.9 4.3 6.5





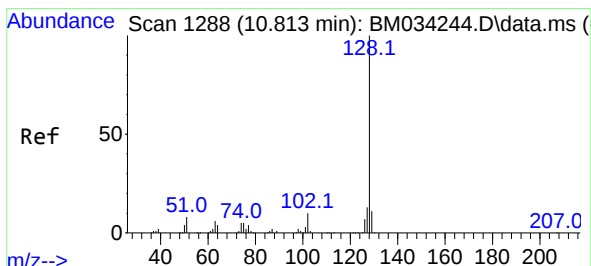
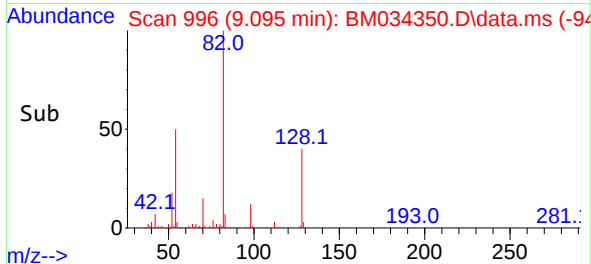
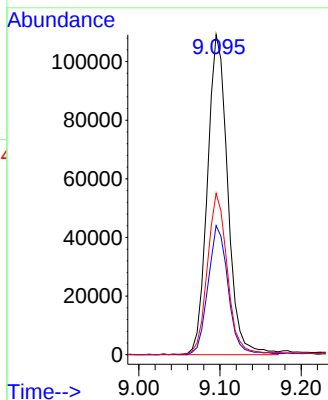
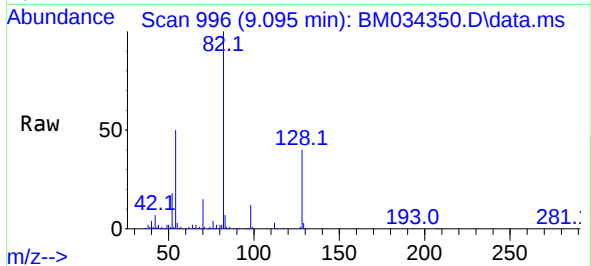
#23
Nitrobenzene-d5
Concen: 13.726 ng
RT: 9.095 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM034350.D
Acq: 23 Mar 2022 21:57

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion: 82 Resp: 18953
Ion Ratio Lower Upper
82 100
128 40.3 31.9 47.9
54 50.4 40.6 61.0

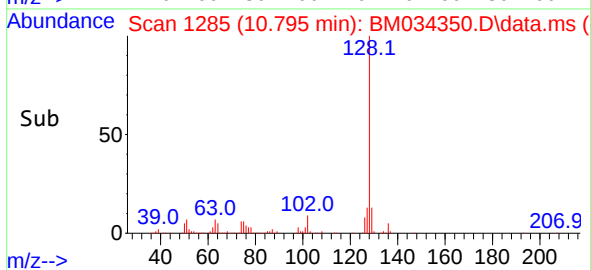
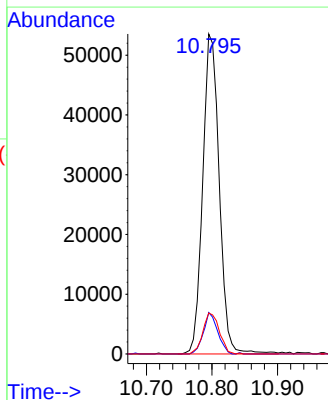
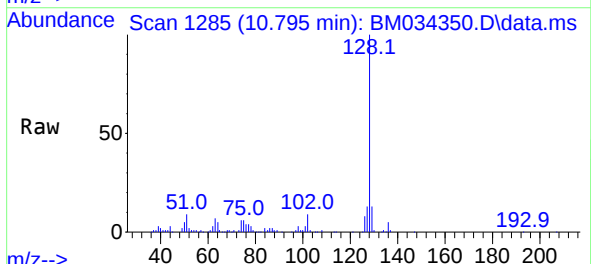
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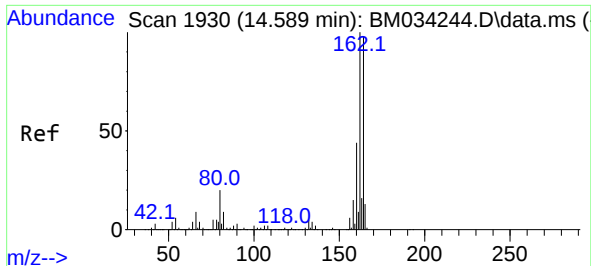
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#31
Naphthalene
Concen: 2.682 ng
RT: 10.795 min Scan# 1285
Delta R.T. -0.006 min
Lab File: BM034350.D
Acq: 23 Mar 2022 21:57

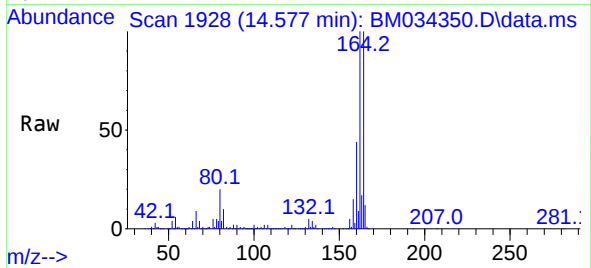
Tgt Ion:128 Resp: 93943
Ion Ratio Lower Upper
128 100
129 12.9 8.8 13.2
127 12.8 10.2 15.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.577 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BM034350.D
Acq: 23 Mar 2022 21:57

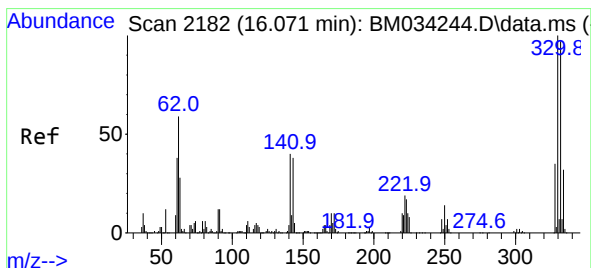
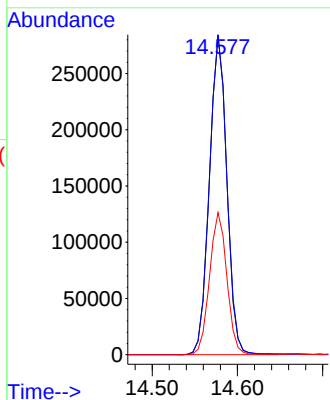
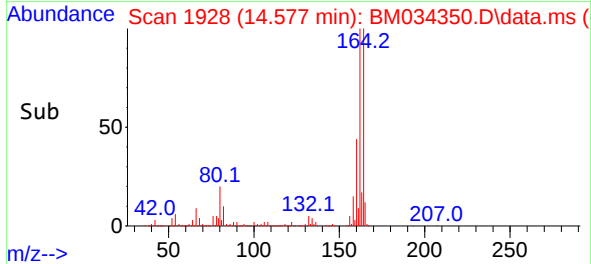
Instrument :
BNA_M
ClientSampleId :
C-4-3-4



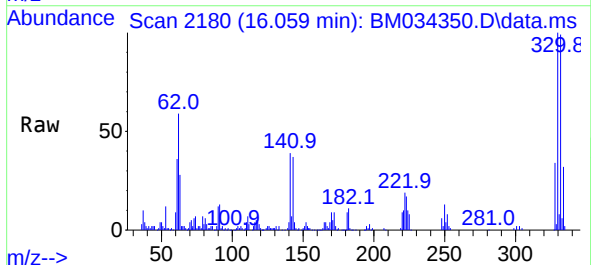
Tgt Ion:164 Resp: 403520
Ion Ratio Lower Upper
164 100
162 100.5 81.6 122.4
160 44.6 35.6 53.4

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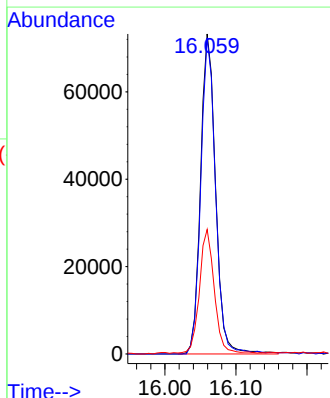
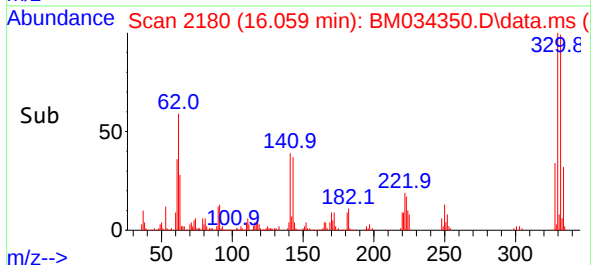
Reviewed By :Christian Giraldo 03/24/2022
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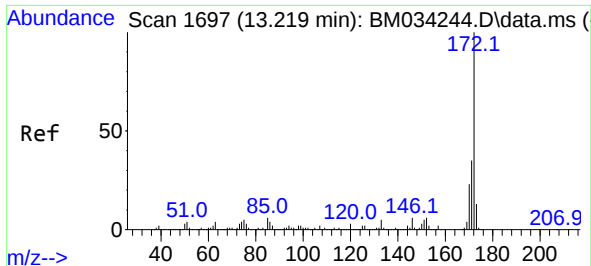


#42
2,4,6-Tribromophenol
Concen: 19.838 ng
RT: 16.059 min Scan# 2180
Delta R.T. -0.006 min
Lab File: BM034350.D
Acq: 23 Mar 2022 21:57



Tgt Ion:330 Resp: 107898
Ion Ratio Lower Upper
330 100
332 96.4 78.2 117.4
141 37.7 30.6 45.8





#45
2-Fluorobiphenyl
Concen: 13.710 ng
RT: 13.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM034350.D
Acq: 23 Mar 2022 21:57

Instrument :

BNA_M

ClientSampleId :

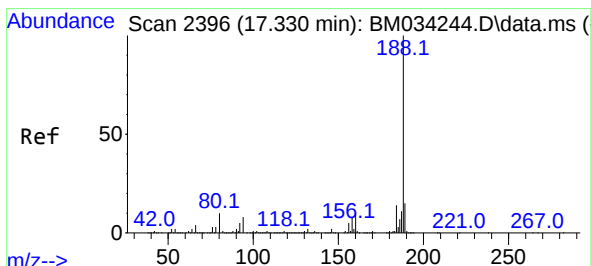
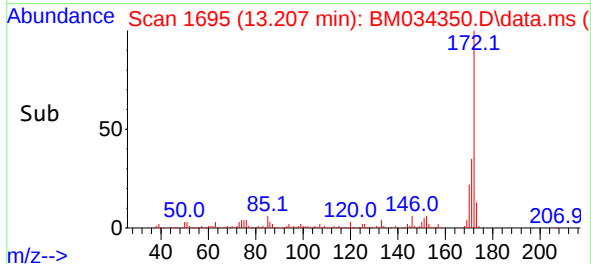
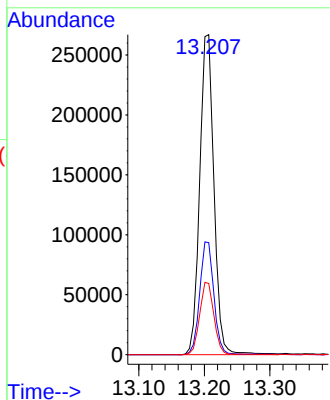
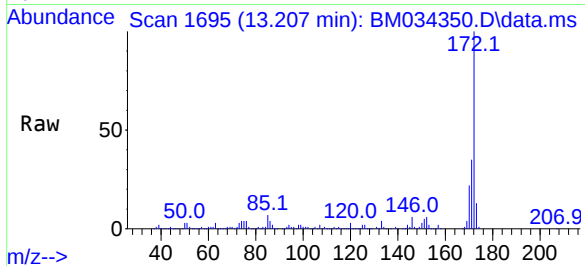
C-4-3-4

Tgt Ion:172 Resp: 404862
Ion Ratio Lower Upper
172 100
171 35.0 28.0 42.0
170 22.2 18.6 28.0

Manual Integrations

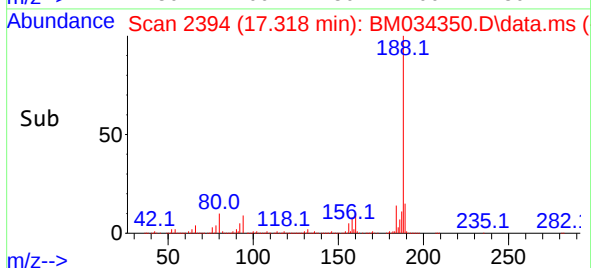
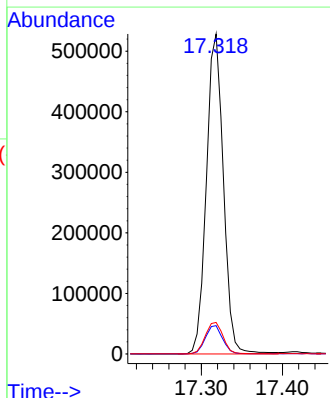
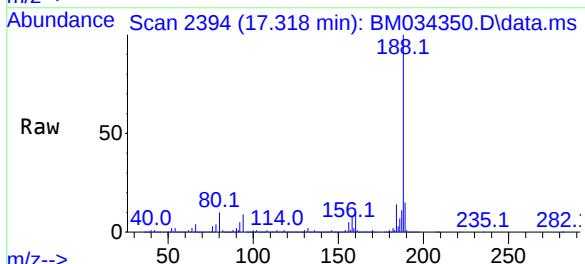
APPROVED

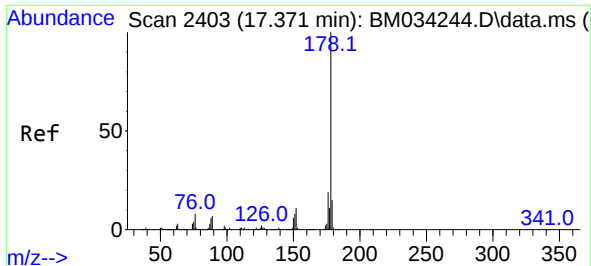
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.318 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BM034350.D
Acq: 23 Mar 2022 21:57

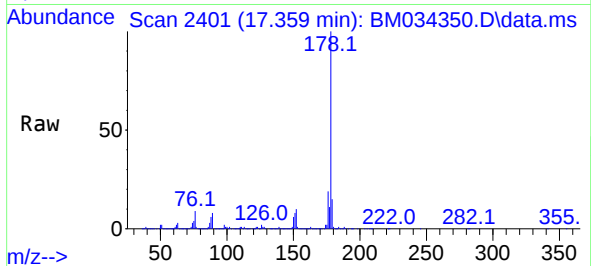
Tgt Ion:188 Resp: 768600
Ion Ratio Lower Upper
188 100
94 8.9 6.6 9.8
80 9.9 7.8 11.8





#71
Phenanthrene
Concen: 12.815 ng
RT: 17.359 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BM034350.D
Acq: 23 Mar 2022 21:57

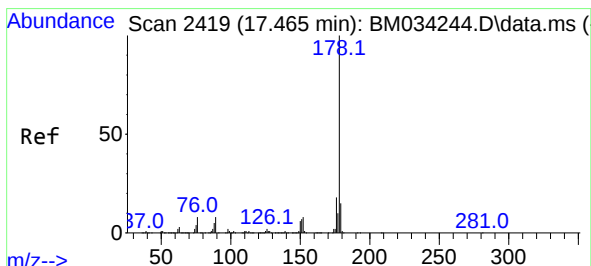
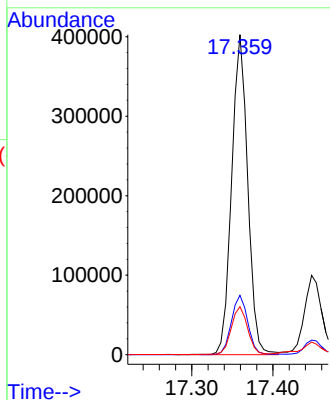
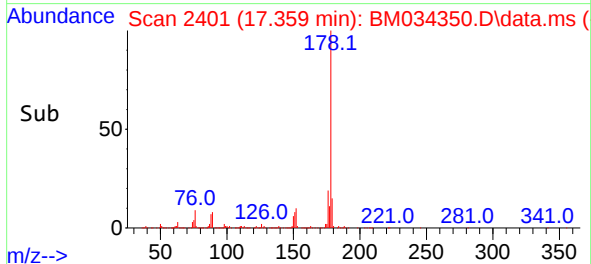
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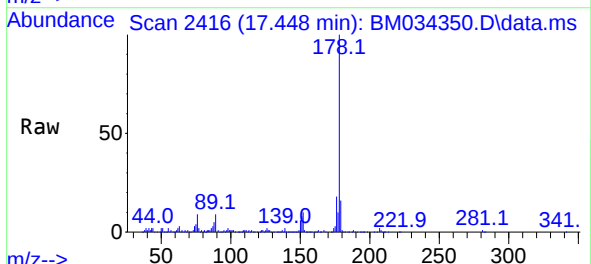
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Ion Ratio Lower Upper
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176 18.6 15.1 22.7
179 15.0 12.2 18.4

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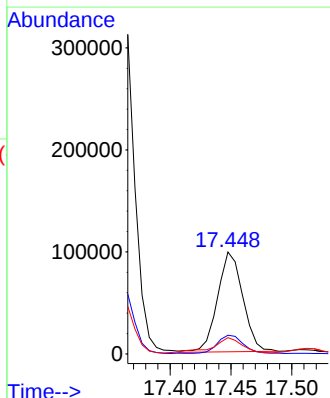
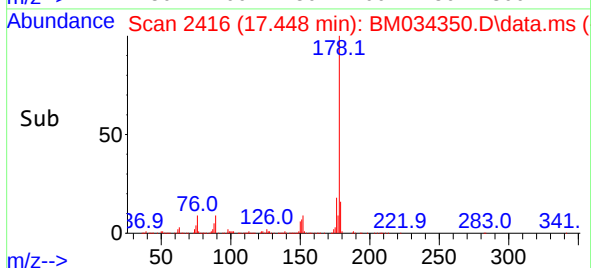
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

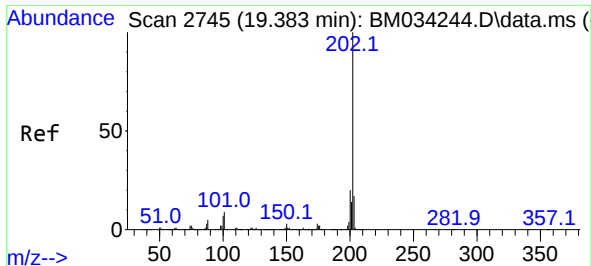


#72
Anthracene
Concen: 3.380 ng
RT: 17.448 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BM034350.D
Acq: 23 Mar 2022 21:57



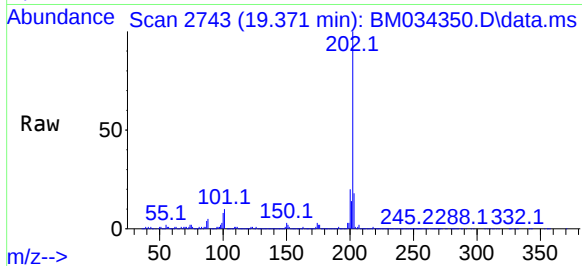
Tgt Ion:178 Resp: 141622
Ion Ratio Lower Upper
178 100
176 18.3 14.6 22.0
179 16.0 12.2 18.2





#75
Fluoranthene
Concen: 19.243 ng
RT: 19.371 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034350.D
Acq: 23 Mar 2022 21:57

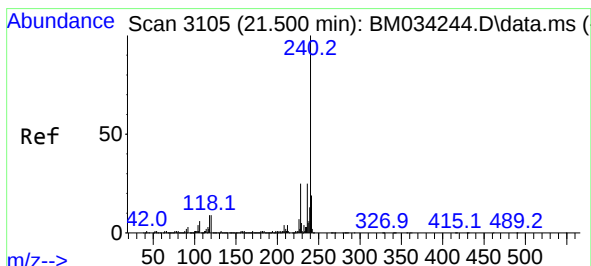
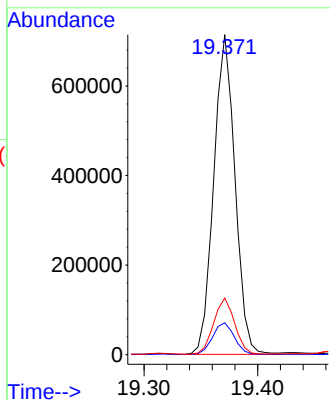
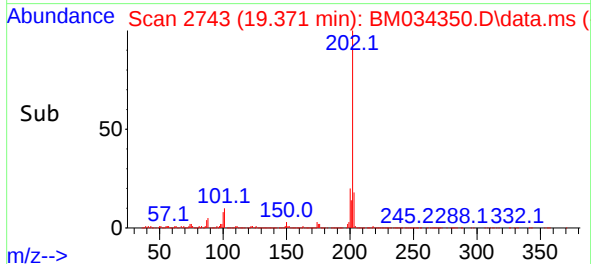
Instrument :
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C-4-3-4



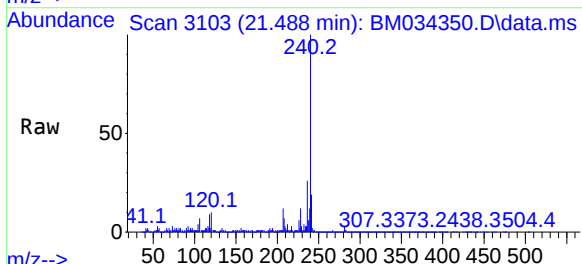
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Ion Ratio Lower Upper
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101 10.0 0.0 29.4
203 17.7 0.0 37.1

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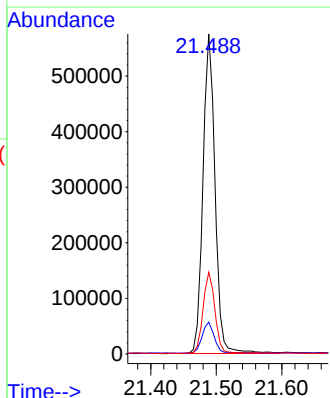
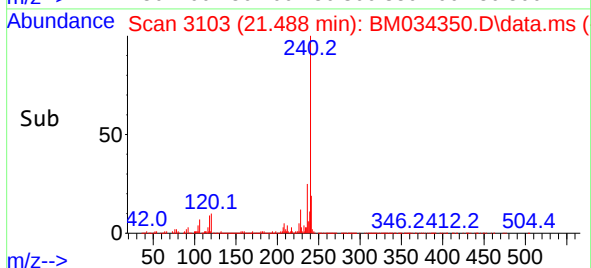
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

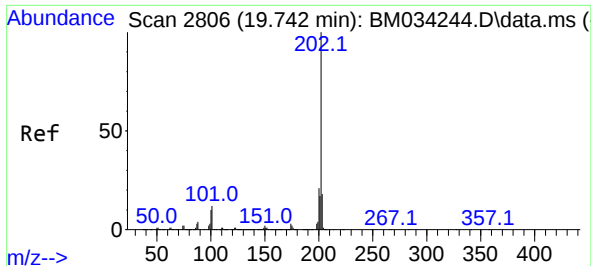


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.488 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BM034350.D
Acq: 23 Mar 2022 21:57



Tgt Ion:240 Resp: 738976
Ion Ratio Lower Upper
240 100
120 10.0 7.3 10.9
236 25.6 20.2 30.2





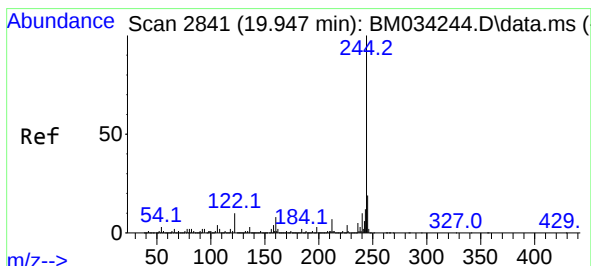
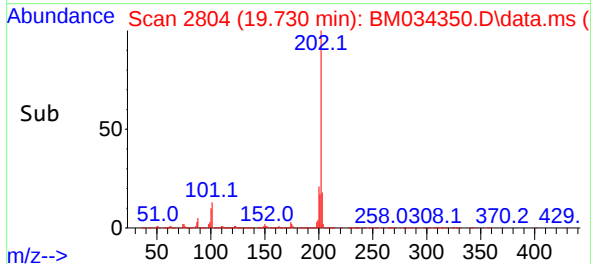
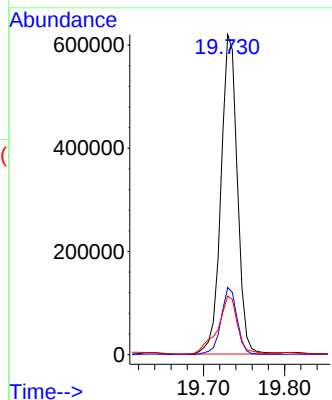
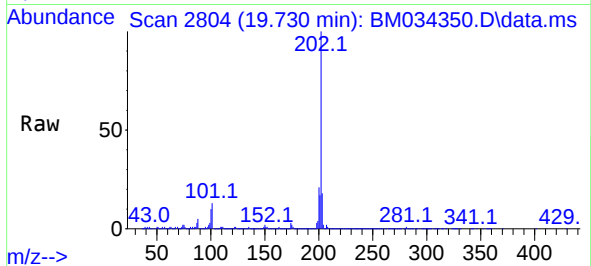
#78
Pyrene
Concen: 16.750 ng
RT: 19.730 min Scan# 2806
Delta R.T. -0.006 min
Lab File: BM034350.D
Acq: 23 Mar 2022 21:57

Instrument :
BNA_M
ClientSampleId :
C-4-3-4

Tgt Ion:202 Resp: 872078
Ion Ratio Lower Upper
202 100
200 21.0 16.6 24.8
203 18.3 14.1 21.1

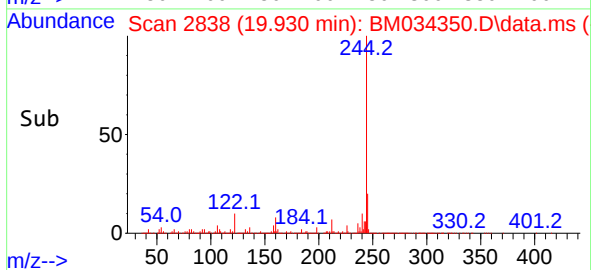
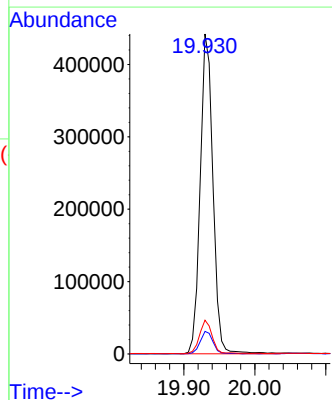
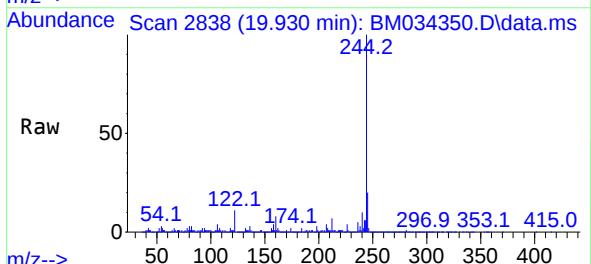
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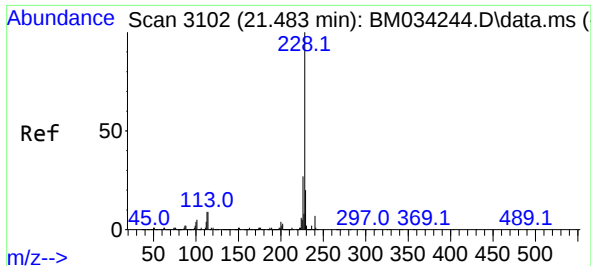
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#79
Terphenyl-d14
Concen: 12.995 ng
RT: 19.930 min Scan# 2838
Delta R.T. -0.006 min
Lab File: BM034350.D
Acq: 23 Mar 2022 21:57

Tgt Ion:244 Resp: 552666
Ion Ratio Lower Upper
244 100
212 7.0 5.9 8.9
122 10.5 7.8 11.8





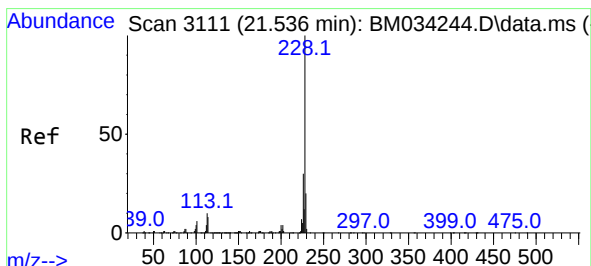
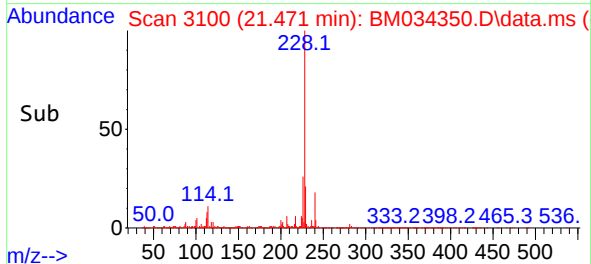
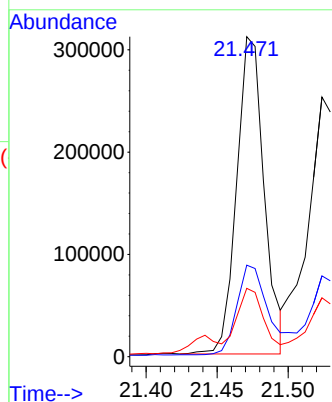
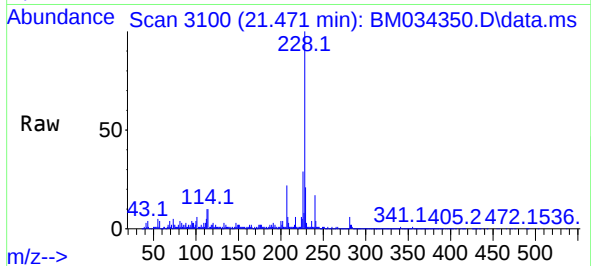
#81
Benzo(a)anthracene
Concen: 8.945 ng
RT: 21.471 min Scan# 3109
Delta R.T. -0.006 min
Lab File: BM034350.D
Acq: 23 Mar 2022 21:57

Instrument :
BNA_M
ClientSampleId :
C-4-3-4

Tgt Ion:228 Resp: 417209
Ion Ratio Lower Upper
228 100
226 28.6 21.6 32.4
229 21.4 15.8 23.6

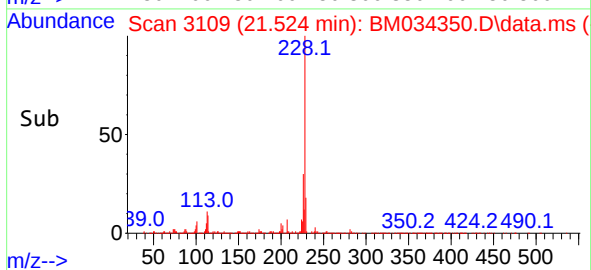
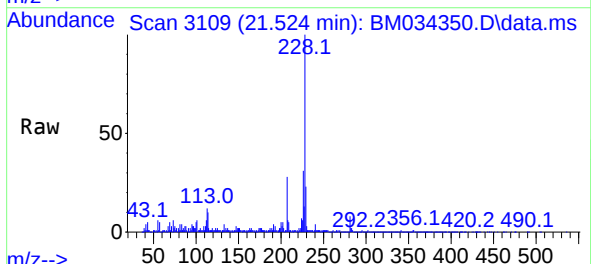
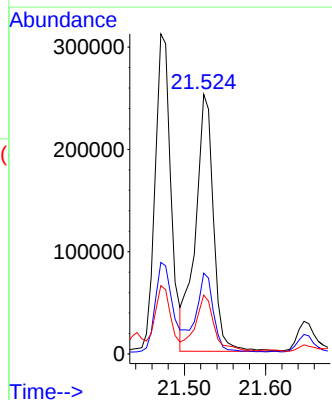
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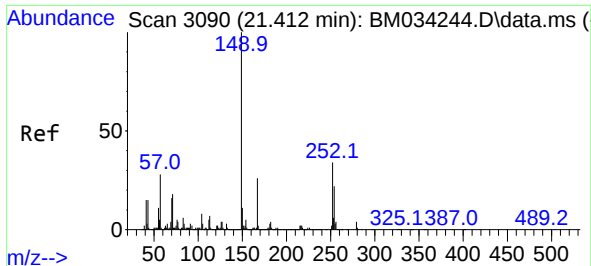
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#83
Chrysene
Concen: 8.212 ng
RT: 21.524 min Scan# 3109
Delta R.T. -0.012 min
Lab File: BM034350.D
Acq: 23 Mar 2022 21:57

Tgt Ion:228 Resp: 391136
Ion Ratio Lower Upper
228 100
226 31.1 23.8 35.6
229 22.7 15.6 23.4





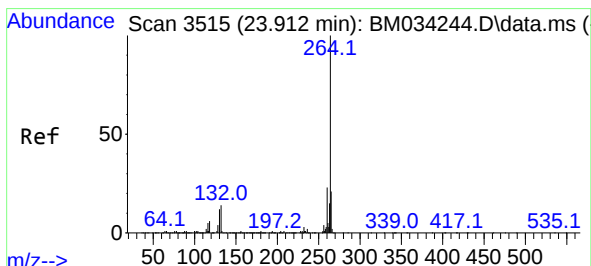
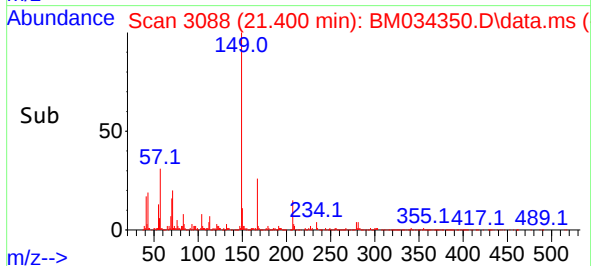
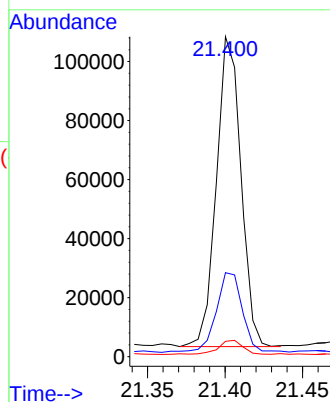
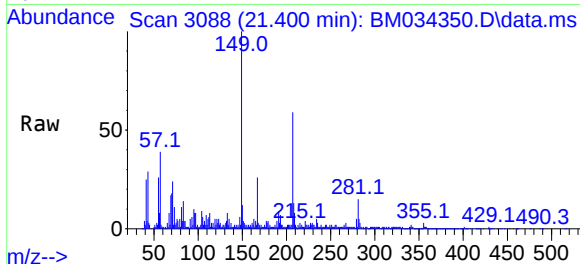
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.547 ng
RT: 21.400 min Scan# 3090
Delta R.T. -0.006 min
Lab File: BM034350.D
Acq: 23 Mar 2022 21:57

Instrument :
BNA_M
ClientSampleId :
C-4-3-4

Tgt Ion:149 Resp: 11533
Ion Ratio Lower Upper
149 100
167 26.3 21.2 31.8
279 4.8 3.4 5.2

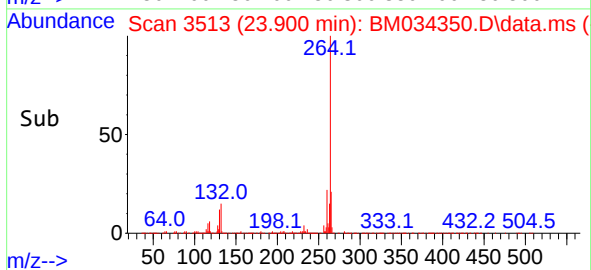
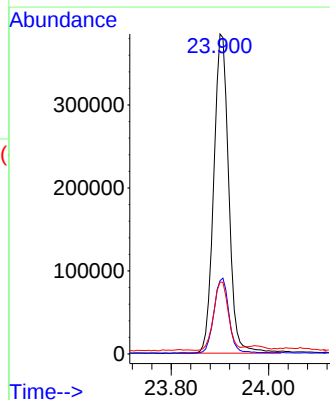
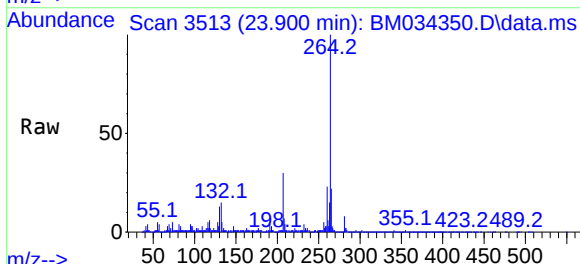
Manual Integrations
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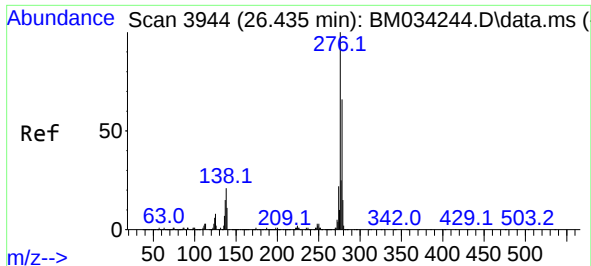
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.900 min Scan# 3513
Delta R.T. -0.006 min
Lab File: BM034350.D
Acq: 23 Mar 2022 21:57

Tgt Ion:264 Resp: 822740
Ion Ratio Lower Upper
264 100
260 22.9 18.6 28.0
265 22.5 17.6 26.4





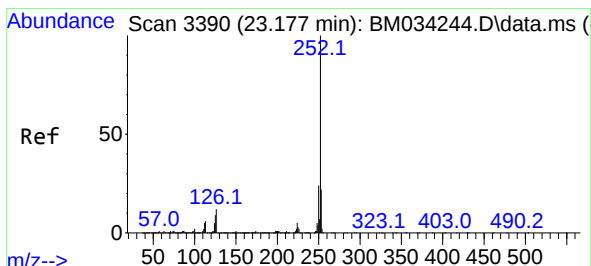
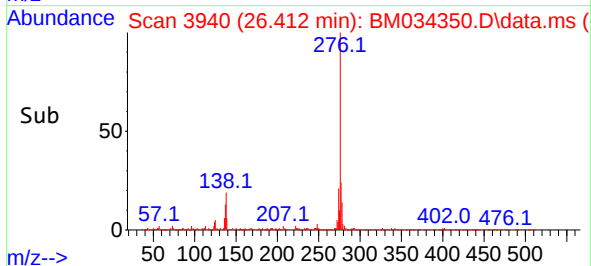
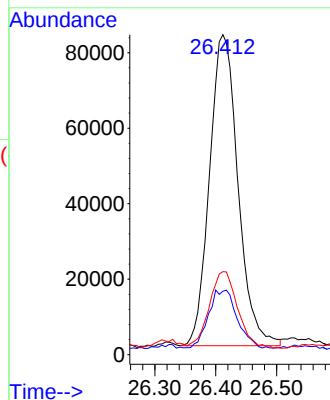
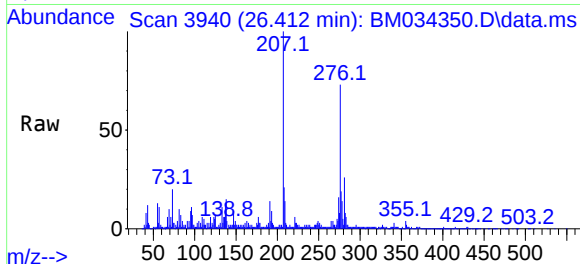
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.068 ng
RT: 26.412 min Scan# 3944
Delta R.T. -0.012 min
Lab File: BM034350.D
Acq: 23 Mar 2022 21:57

Instrument :
BNA_M
ClientSampleId :
C-4-3-4

Tgt Ion:276 Resp: 268244
Ion Ratio Lower Upper
276 100
138 18.6 16.6 25.0
277 24.5 19.8 29.6

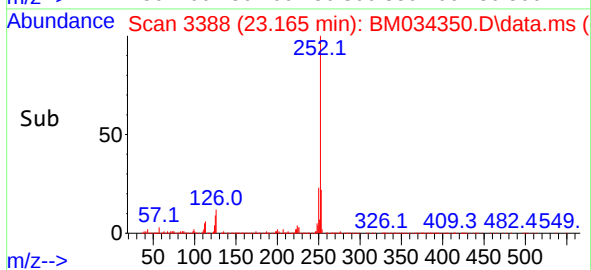
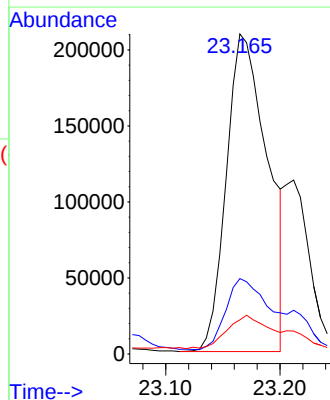
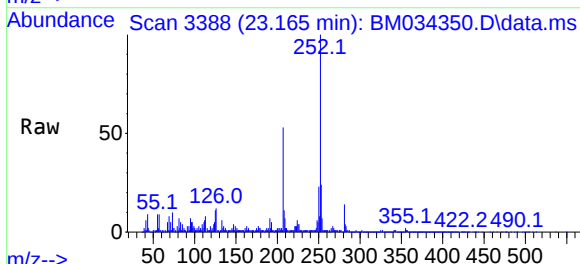
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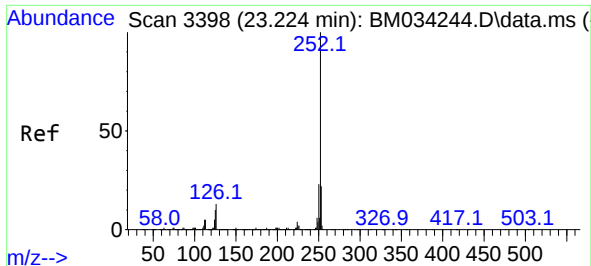
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#88
Benzo(b)fluoranthene
Concen: 10.655 ng m
RT: 23.165 min Scan# 3388
Delta R.T. -0.006 min
Lab File: BM034350.D
Acq: 23 Mar 2022 21:57

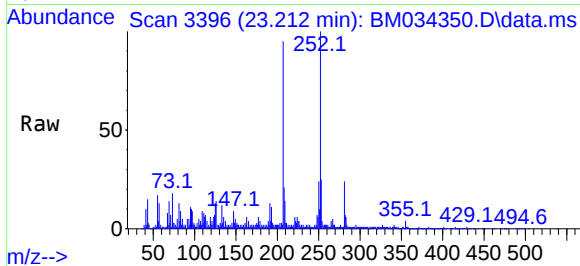
Tgt Ion:252 Resp: 524215
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 10.7 7.2 10.8





#89
Benzo(k)fluoranthene
Concen: 3.327 ng m
RT: 23.212 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM034350.D
Acq: 23 Mar 2022 21:57

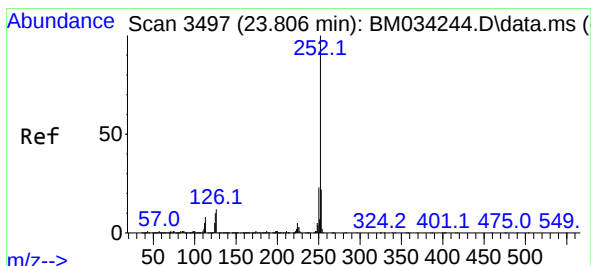
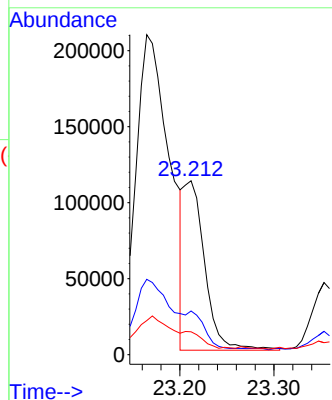
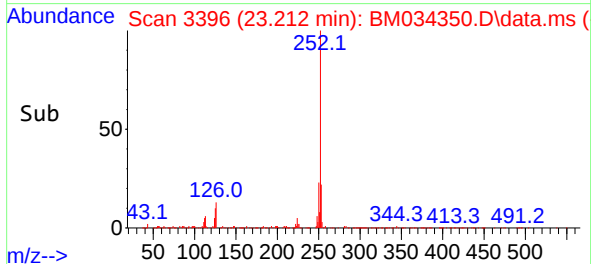
Instrument :
BNA_M
ClientSampleId :
C-4-3-4



Tgt Ion:252 Resp: 17341
Ion Ratio Lower Upper
252 100
253 25.1 17.6 26.4
125 13.1 7.5 11.3

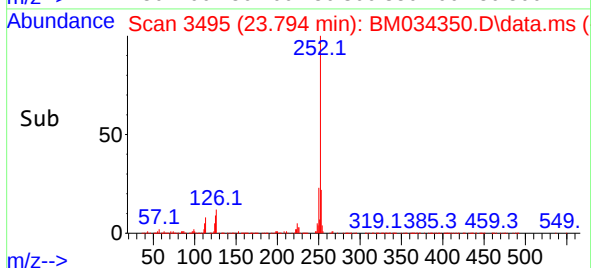
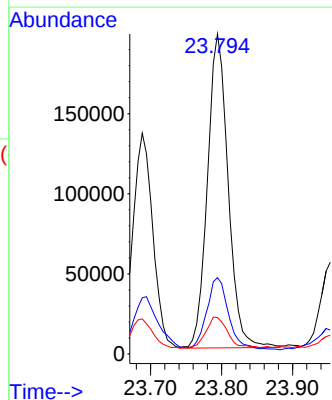
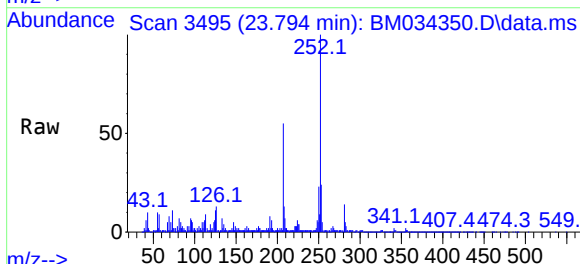
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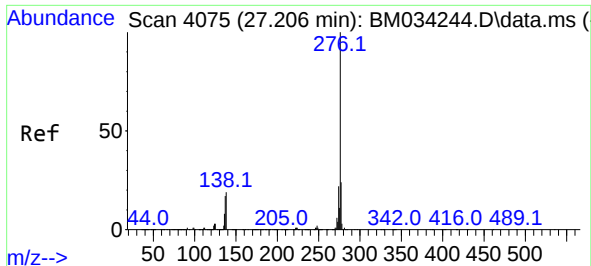
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#90
Benzo(a)pyrene
Concen: 9.518 ng
RT: 23.794 min Scan# 3495
Delta R.T. -0.006 min
Lab File: BM034350.D
Acq: 23 Mar 2022 21:57

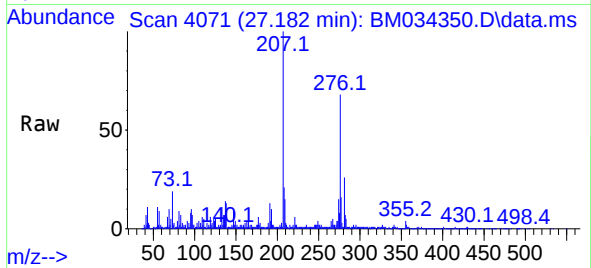
Tgt Ion:252 Resp: 396954
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 11.3 7.8 11.6





#92
 Benzo(g,h,i)perylene
 Concen: 6.419 ng
 RT: 27.182 min Scan# 4071
 Delta R.T. -0.018 min
 Lab File: BM034350.D
 Acq: 23 Mar 2022 21:57

Instrument :
 BNA_M
 ClientSampleId :
 C-4-3-4



Tgt Ion: 276 Resp: 28511

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.0	28.4
138	19.7	15.6	23.4

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

