

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
 Data File : BM034353.D
 Acq On : 23 Mar 2022 23:45
 Operator : CG/JU
 Sample : N1958-07 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C-7-6-7

Manual Integrations
 APPROVED

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

Quant Time: Mar 24 02:44:09 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	170101	20.000	ng	0.00
21) Naphthalene-d8	10.748	136	662012	20.000	ng	0.00
39) Acenaphthene-d10	14.578	164	384255	20.000	ng	0.00
64) Phenanthrene-d10	17.319	188	737675	20.000	ng	0.00
76) Chrysene-d12	21.495	240	723992	20.000	ng	0.00
86) Perylene-d12	23.906	264	831025	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.490	112	211750	22.332	ng	0.00
7) Phenol-d6	7.096	99	265733	19.574	ng	0.00
23) Nitrobenzene-d5	9.101	82	177135	13.027	ng	0.00
42) 2,4,6-Tribromophenol	16.060	330	97818	18.886	ng	0.00
45) 2-Fluorobiphenyl	13.207	172	382089	13.588	ng	0.00
79) Terphenyl-d14	19.936	244	539789	12.955	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.642	154	53159	2.252	ng	100
71) Phenanthrene	17.360	178	1496778	36.232	ng	100
72) Anthracene	17.454	178	430082	10.696	ng	99
75) Fluoranthene	19.377	202	4156894	89.760	ng	98
78) Pyrene	19.736	202	3782155	74.146	ng	99
81) Benzo(a)anthracene	21.477	228	1845539	40.388	ng	98
83) Chrysene	21.530	228	1608806	34.477	ng	97
87) Indeno(1,2,3-cd)pyrene	26.430	276	1215086	22.729	ng	98
88) Benzo(b)fluoranthene	23.177	252	2301868	46.321	ng	98
89) Benzo(k)fluoranthene	23.218	252	767773m	14.585	ng	
90) Benzo(a)pyrene	23.801	252	1782848	42.321	ng	97
91) Dibenzo(a,h)anthracene	26.436	278	291780	6.731	ng	# 85
92) Benzo(g,h,i)perylene	27.200	276	1234820	27.522	ng	99

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

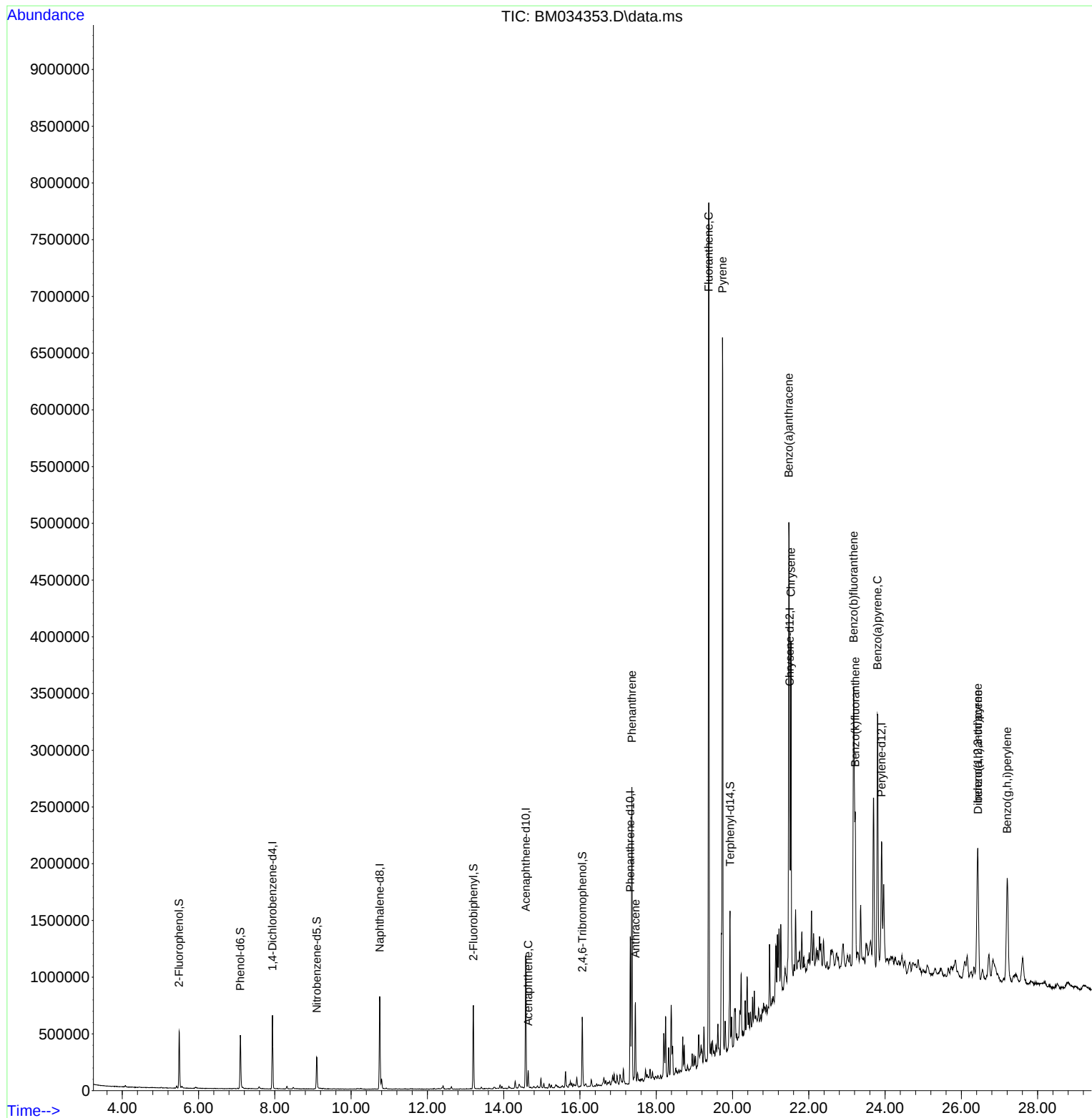
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034353.D
Acq On : 23 Mar 2022 23:45
Operator : CG/JU
Sample : N1958-07 5X
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ALS Vial : 15 Sample Multiplier: 1

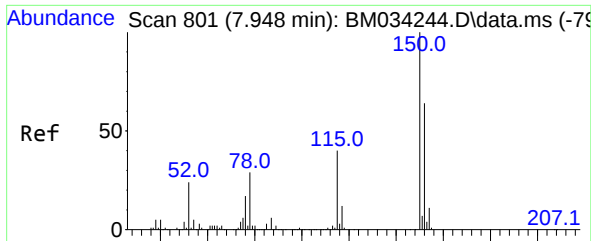
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Quant Time: Mar 24 02:44:09 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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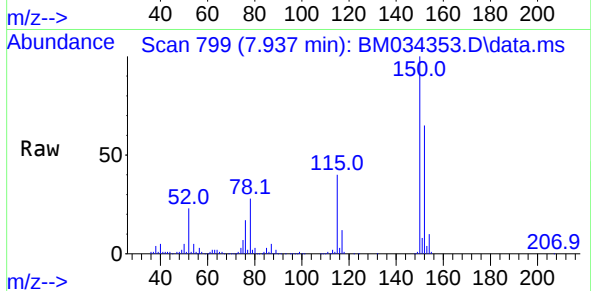
Reviewed By : Christian Giraldo 03/24/2022
Supervised By : Jagrut Upadhyay 03/24/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 79
Delta R.T. -0.005 min
Lab File: BM034353.D
Acq: 23 Mar 2022 23:45

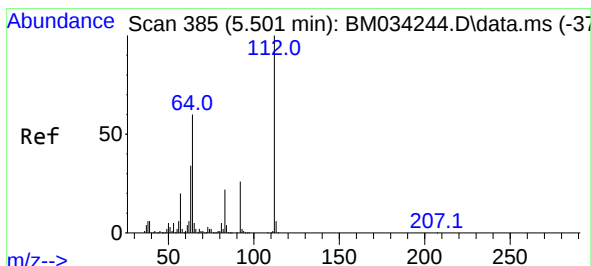
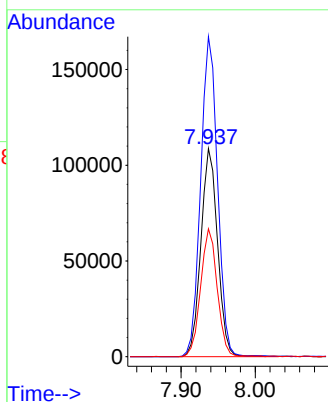
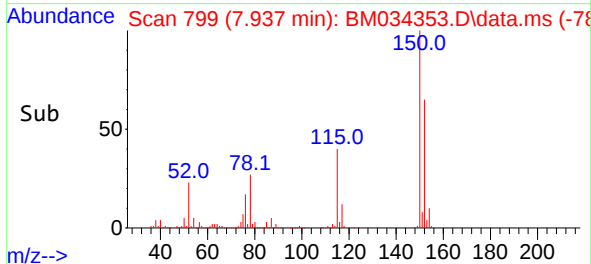
Instrument :
BNA_M
ClientSampleId :
C-7-6-7



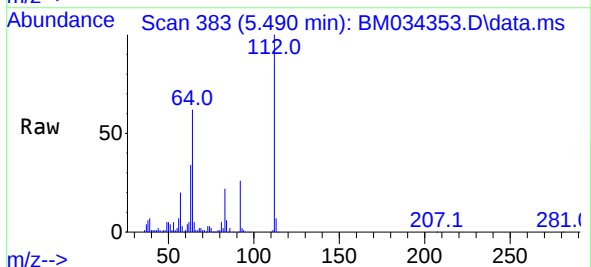
Tgt Ion:152 Resp: 17010
Ion Ratio Lower Upper
152 100
150 153.7 125.4 188.2
115 61.4 50.1 75.1

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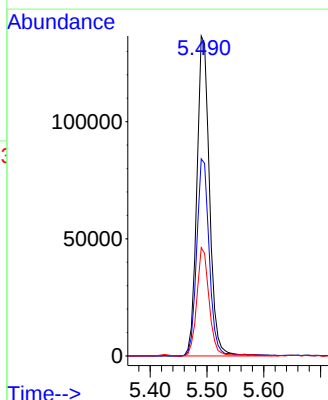
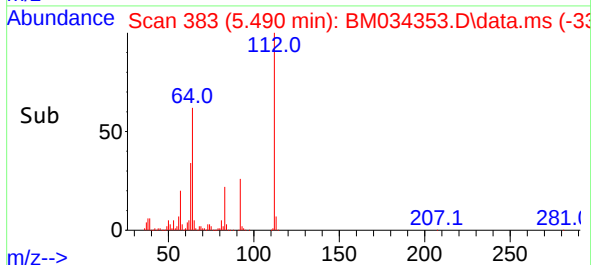
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

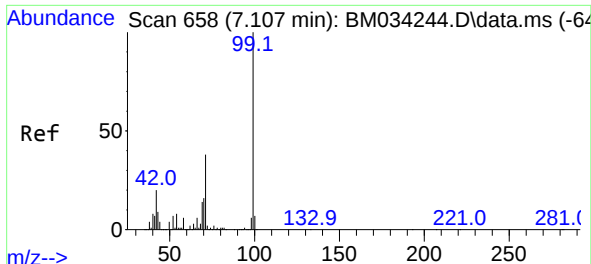


#5
2-Fluorophenol
Concen: 22.332 ng
RT: 5.490 min Scan# 383
Delta R.T. 0.000 min
Lab File: BM034353.D
Acq: 23 Mar 2022 23:45



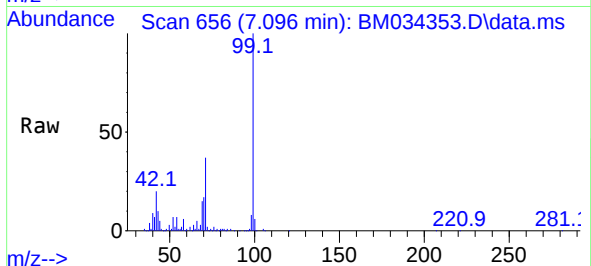
Tgt Ion:112 Resp: 211750
Ion Ratio Lower Upper
112 100
64 61.6 47.9 71.9
63 33.9 27.1 40.7





#7
Phenol-d6
Concen: 19.574 ng
RT: 7.096 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM034353.D
Acq: 23 Mar 2022 23:45

Instrument :
BNA_M
ClientSampleId :
C-7-6-7

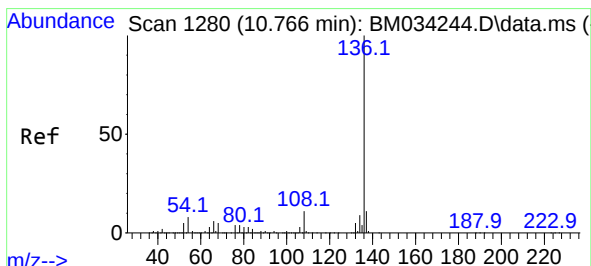
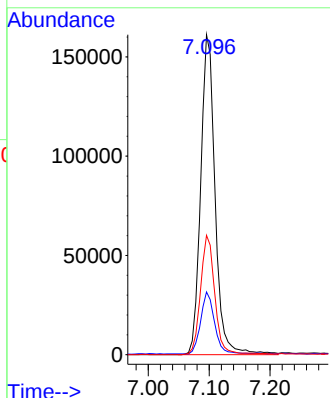
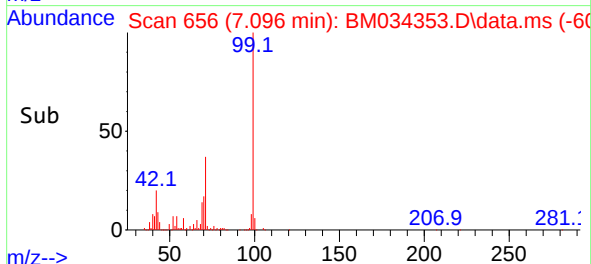


Tgt Ion: 99 Resp: 26573

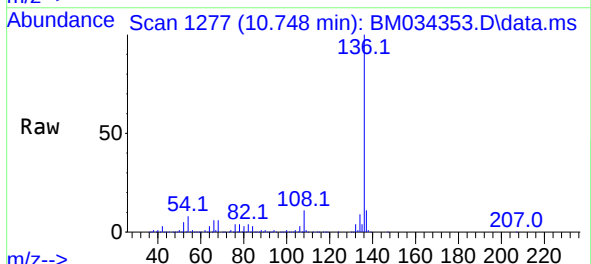
Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.6	23.4
71	37.3	30.6	46.0

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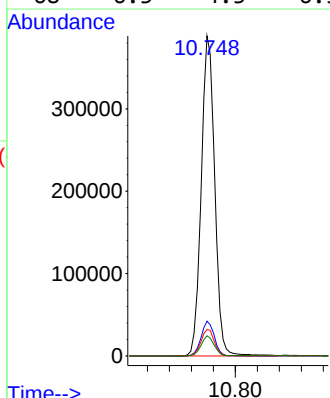
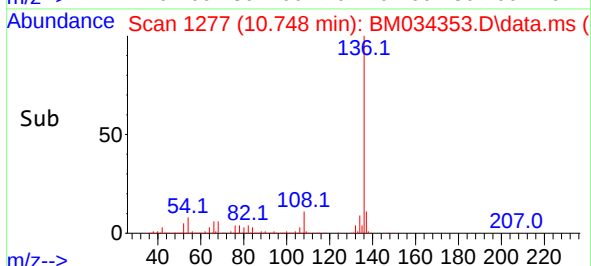


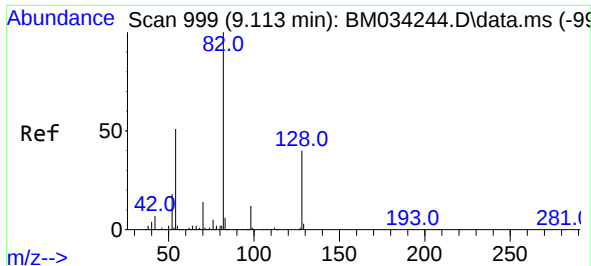
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.748 min Scan# 1277
Delta R.T. -0.006 min
Lab File: BM034353.D
Acq: 23 Mar 2022 23:45



Tgt Ion:136 Resp: 662012

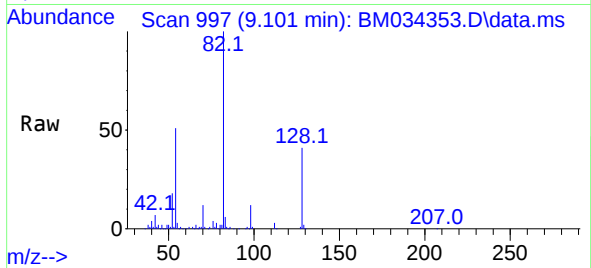
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.3	6.2	9.4
68	6.3	4.3	6.5





#23
Nitrobenzene-d5
Concen: 13.027 ng
RT: 9.101 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM034353.D
Acq: 23 Mar 2022 23:45

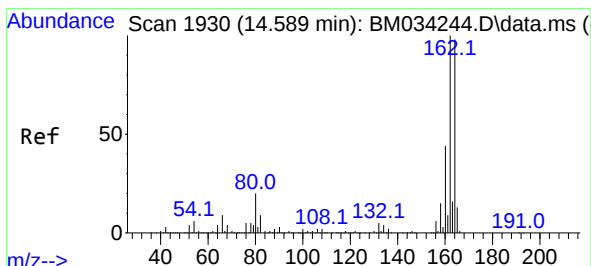
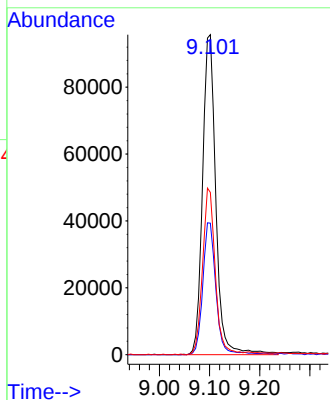
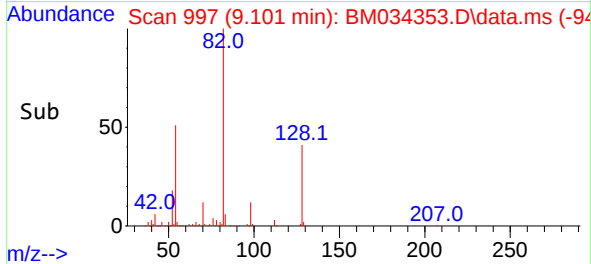
Instrument :
BNA_M
ClientSampleId :
C-7-6-7



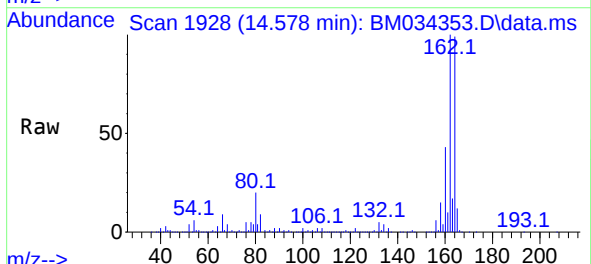
Tgt Ion: 82 Resp: 177135
Ion Ratio Lower Upper
82 100
128 41.1 31.9 47.9
54 50.7 40.6 61.0

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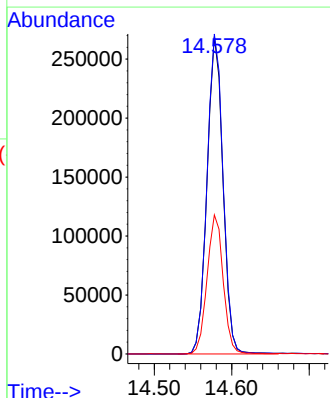
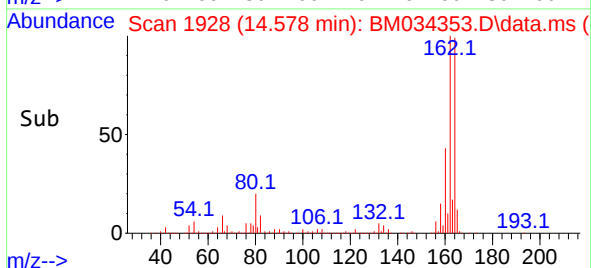
Reviewed By :Christian Giraldo 03/24/2022
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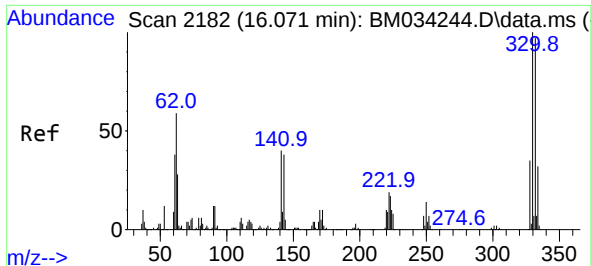


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.578 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BM034353.D
Acq: 23 Mar 2022 23:45



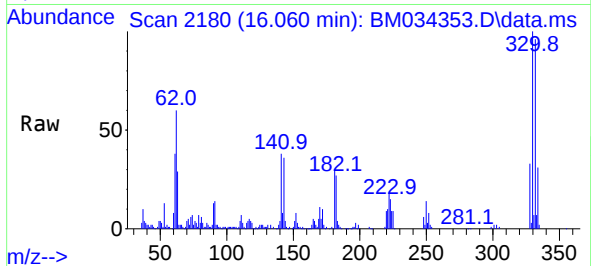
Tgt Ion:164 Resp: 384255
Ion Ratio Lower Upper
164 100
162 100.8 81.6 122.4
160 43.8 35.6 53.4





#42
2,4,6-Tribromophenol
Concen: 18.886 ng
RT: 16.060 min Scan# 2182
Delta R.T. -0.006 min
Lab File: BM034353.D
Acq: 23 Mar 2022 23:45

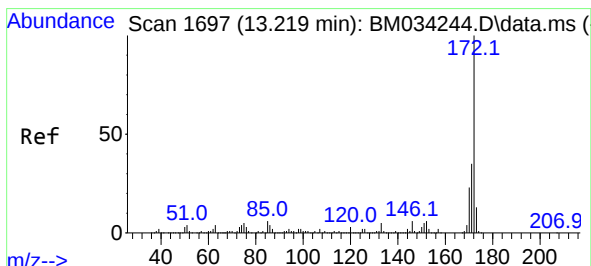
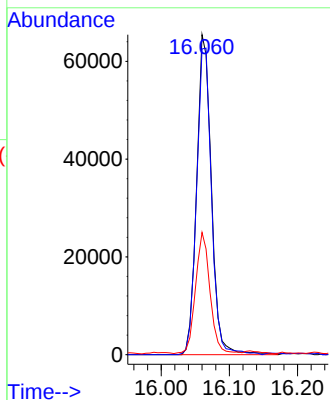
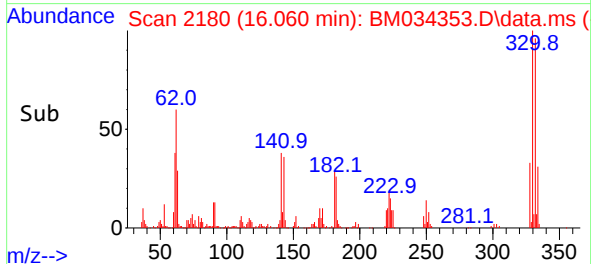
Instrument :
BNA_M
ClientSampleId :
C-7-6-7



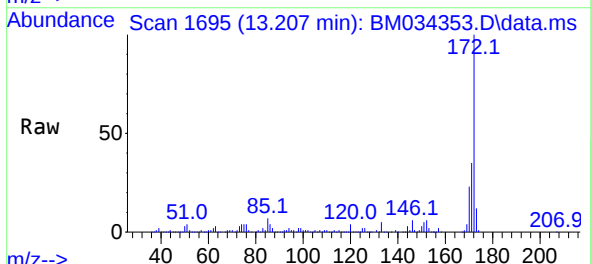
Tgt Ion:330 Resp: 97818
Ion Ratio Lower Upper
330 100
332 97.2 78.2 117.4
141 37.1 30.6 45.8

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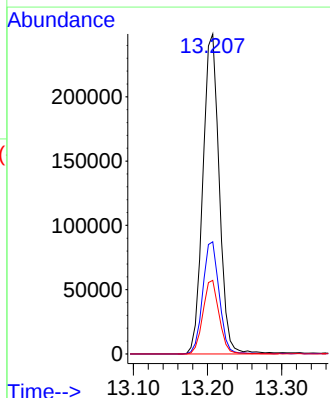
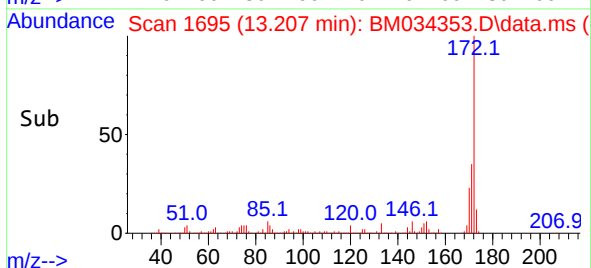
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

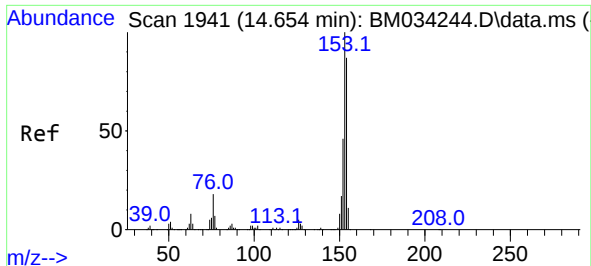


#45
2-Fluorobiphenyl
Concen: 13.588 ng
RT: 13.207 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BM034353.D
Acq: 23 Mar 2022 23:45



Tgt Ion:172 Resp: 382089
Ion Ratio Lower Upper
172 100
171 35.0 28.0 42.0
170 23.0 18.6 28.0





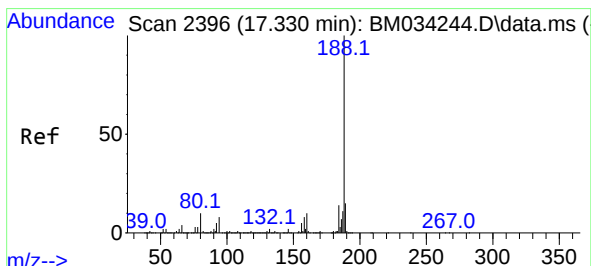
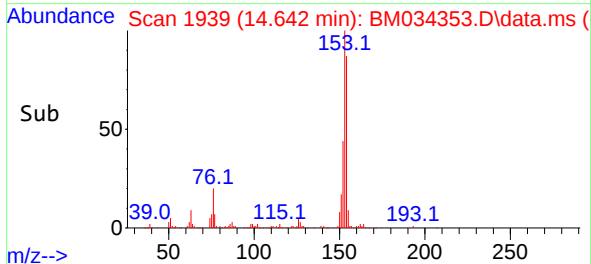
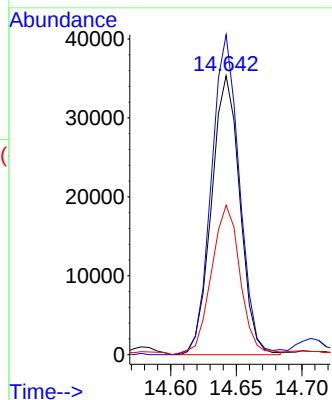
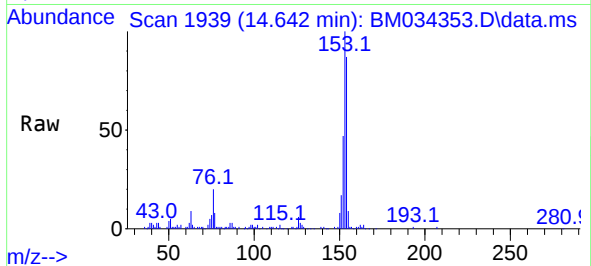
#52
Acenaphthene
Concen: 2.252 ng
RT: 14.642 min Scan# 1941
Delta R.T. -0.006 min
Lab File: BM034353.D
Acq: 23 Mar 2022 23:45

Instrument :
BNA_M
ClientSampleId :
C-7-6-7

Tgt Ion:154 Resp: 53159
Ion Ratio Lower Upper
154 100
153 114.7 91.8 137.8
152 53.6 42.6 64.0

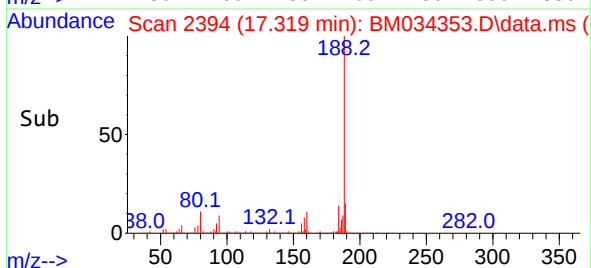
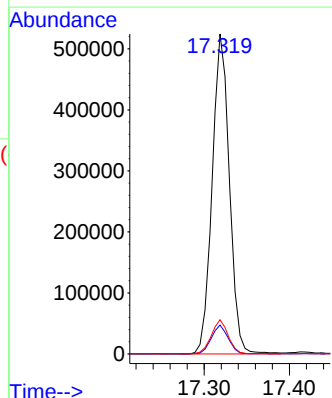
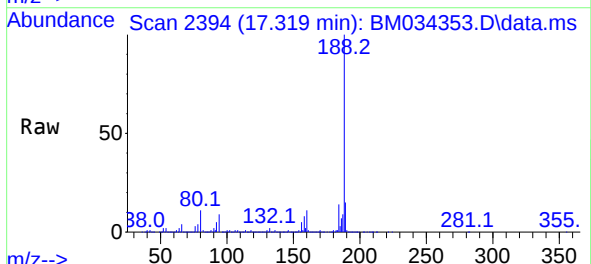
Manual Integrations
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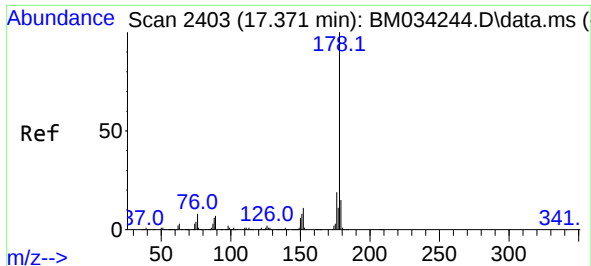
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.319 min Scan# 2394
Delta R.T. 0.000 min
Lab File: BM034353.D
Acq: 23 Mar 2022 23:45

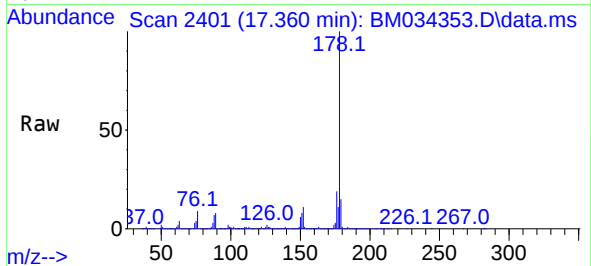
Tgt Ion:188 Resp: 737675
Ion Ratio Lower Upper
188 100
94 9.1 6.6 9.8
80 10.7 7.8 11.8





#71
Phenanthrene
Concen: 36.232 ng
RT: 17.360 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BM034353.D
Acq: 23 Mar 2022 23:45

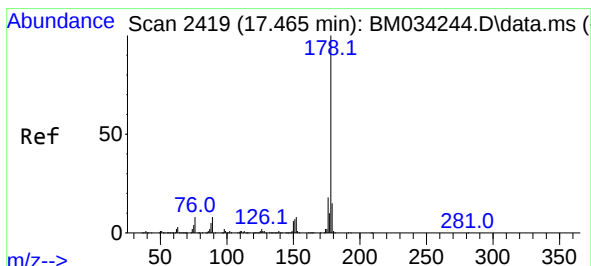
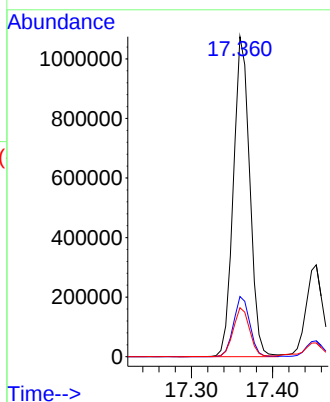
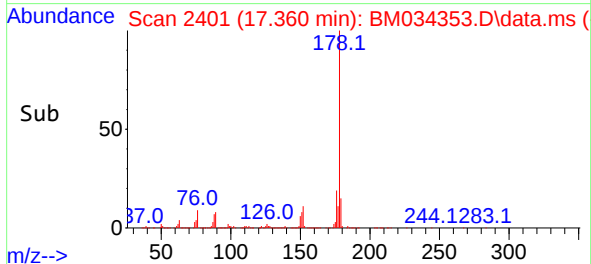
Instrument :
BNA_M
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C-7-6-7



Tgt Ion:178 Resp: 1496778
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.3 12.2 18.4

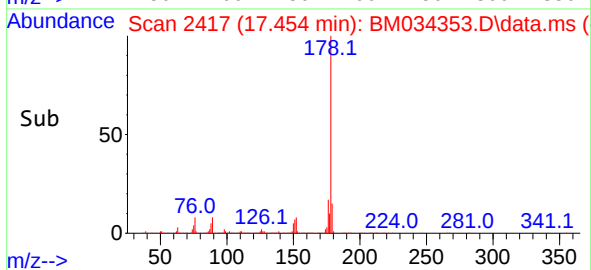
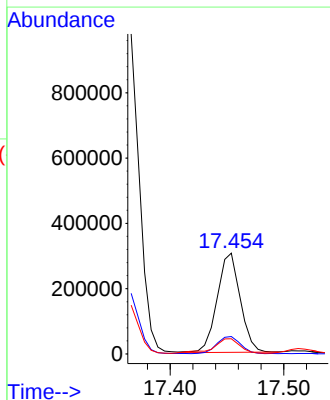
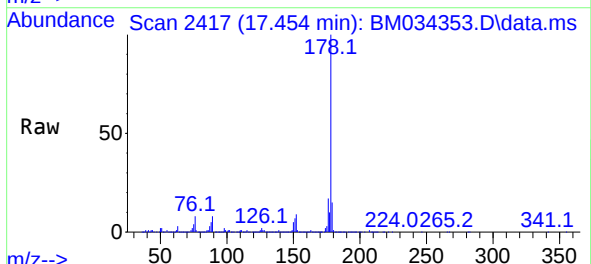
Manual Integrations
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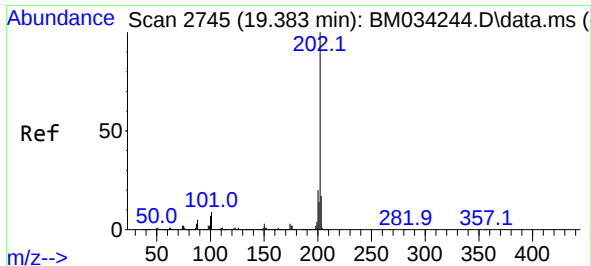
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#72
Anthracene
Concen: 10.696 ng
RT: 17.454 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BM034353.D
Acq: 23 Mar 2022 23:45

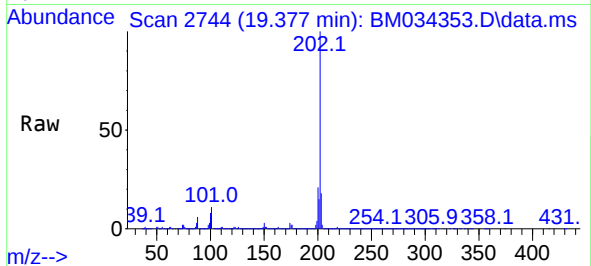
Tgt Ion:178 Resp: 430082
Ion Ratio Lower Upper
178 100
176 17.2 14.6 22.0
179 15.0 12.2 18.2





#75
Fluoranthene
Concen: 89.760 ng
RT: 19.377 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM034353.D
Acq: 23 Mar 2022 23:45

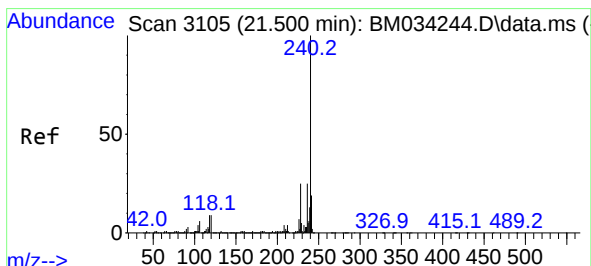
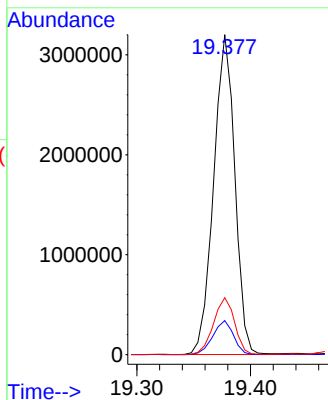
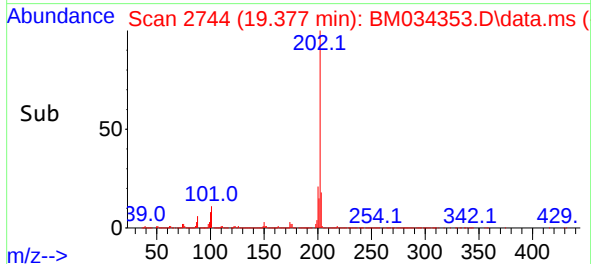
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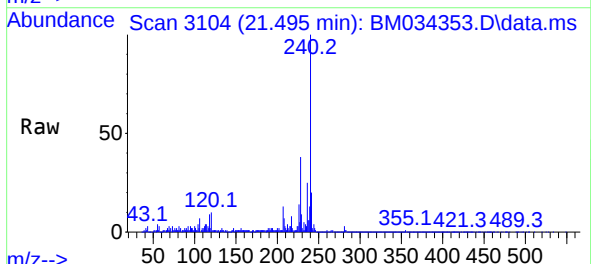
Tgt Ion:202 Resp: 4156894
Ion Ratio Lower Upper
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101 10.6 0.0 29.4
203 17.8 0.0 37.1

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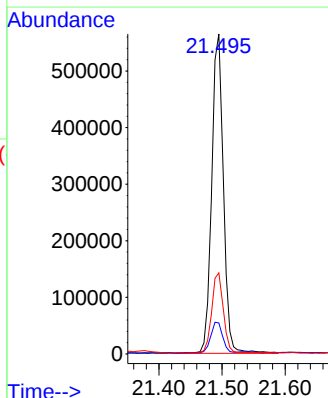
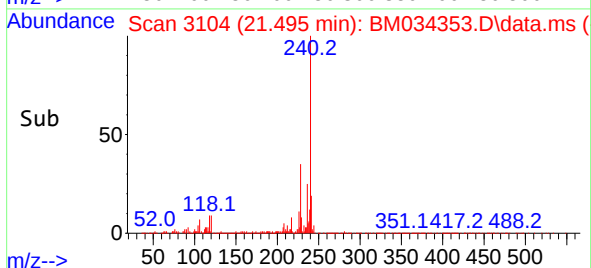
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

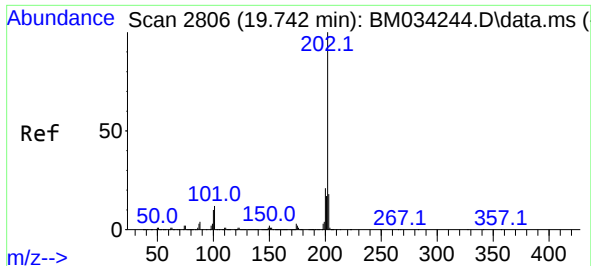


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.495 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM034353.D
Acq: 23 Mar 2022 23:45



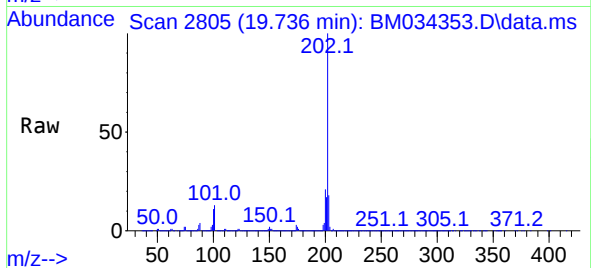
Tgt Ion:240 Resp: 723992
Ion Ratio Lower Upper
240 100
120 9.7 7.3 10.9
236 25.4 20.2 30.2





#78
Pyrene
Concen: 74.146 ng
RT: 19.736 min Scan# 2805
Delta R.T. 0.000 min
Lab File: BM034353.D
Acq: 23 Mar 2022 23:45

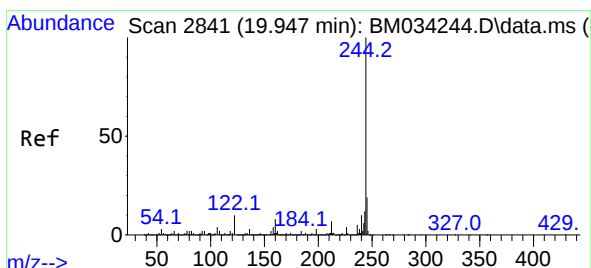
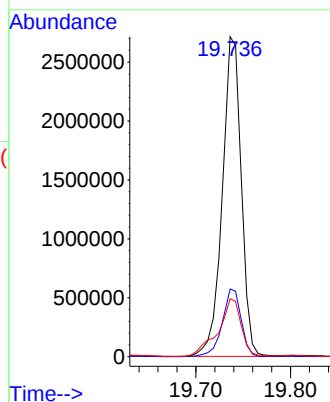
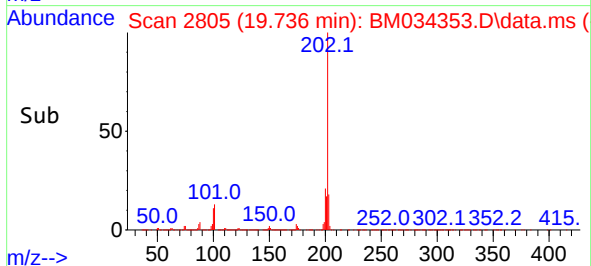
Instrument :
BNA_M
ClientSampleId :
C-7-6-7



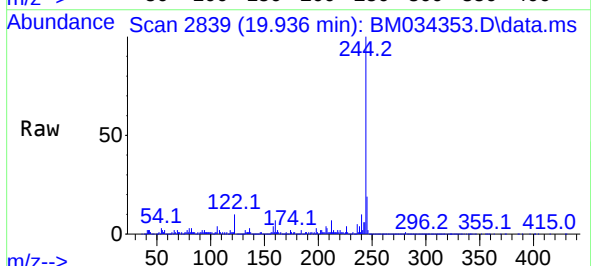
Tgt Ion:202 Resp: 378215
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 18.1 14.1 21.1

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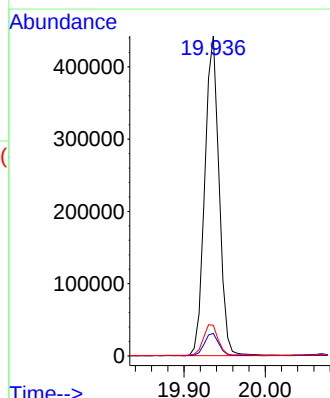
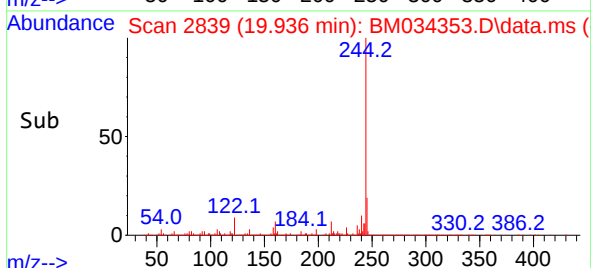
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

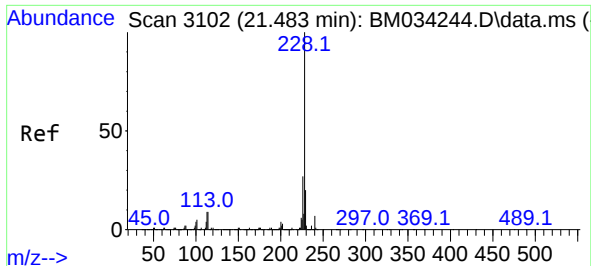


#79
Terphenyl-d14
Concen: 12.955 ng
RT: 19.936 min Scan# 2839
Delta R.T. 0.000 min
Lab File: BM034353.D
Acq: 23 Mar 2022 23:45



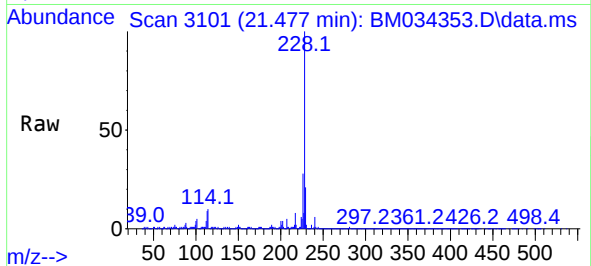
Tgt Ion:244 Resp: 539789
Ion Ratio Lower Upper
244 100
212 7.0 5.9 8.9
122 9.6 7.8 11.8





#81
Benzo(a)anthracene
Concen: 40.388 ng
RT: 21.477 min Scan# 3101
Delta R.T. 0.000 min
Lab File: BM034353.D
Acq: 23 Mar 2022 23:45

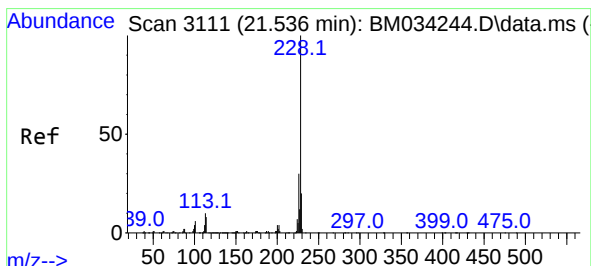
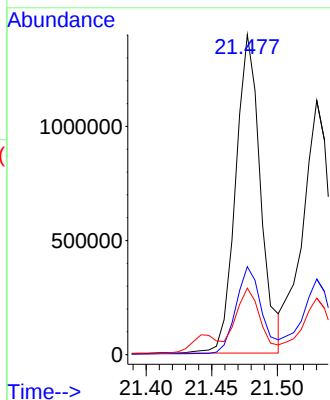
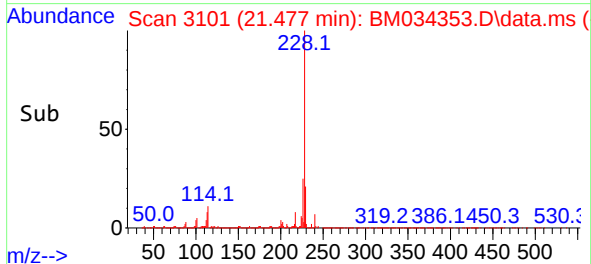
Instrument :
BNA_M
ClientSampleId :
C-7-6-7



Tgt Ion:228 Resp: 1845539
Ion Ratio Lower Upper
228 100
226 27.5 21.6 32.4
229 20.8 15.8 23.6

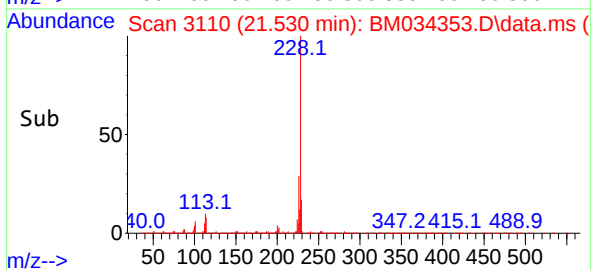
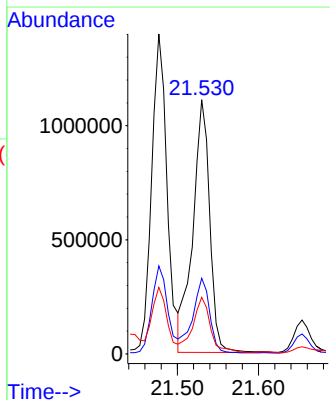
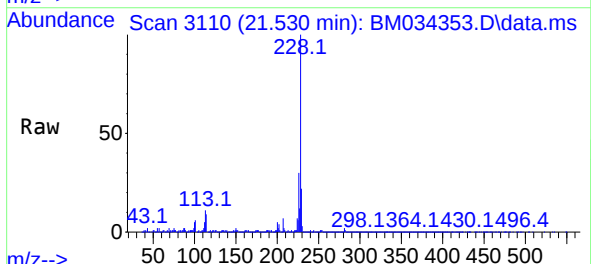
Manual Integrations
APPROVED

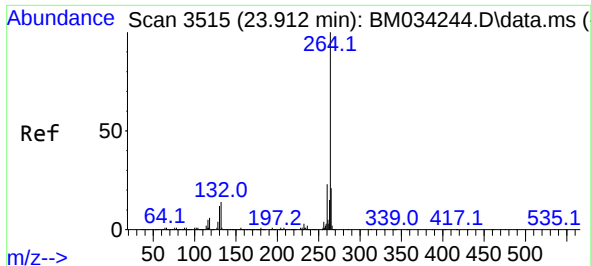
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#83
Chrysene
Concen: 34.477 ng
RT: 21.530 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BM034353.D
Acq: 23 Mar 2022 23:45

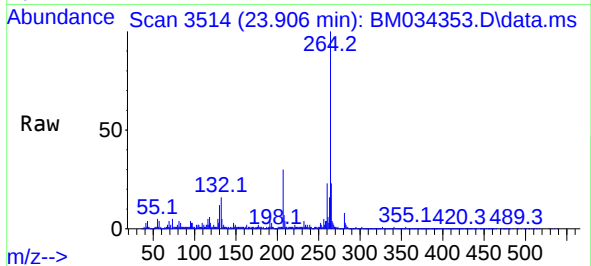
Tgt Ion:228 Resp: 1608806
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.6
229 22.3 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.906 min Scan# 3515
Delta R.T. 0.000 min
Lab File: BM034353.D
Acq: 23 Mar 2022 23:45

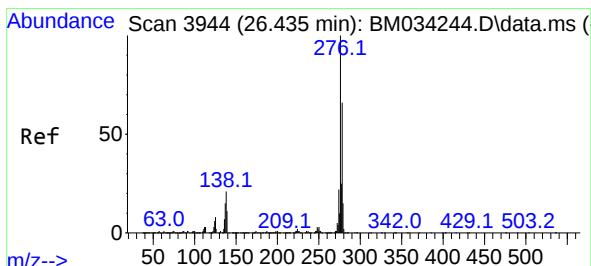
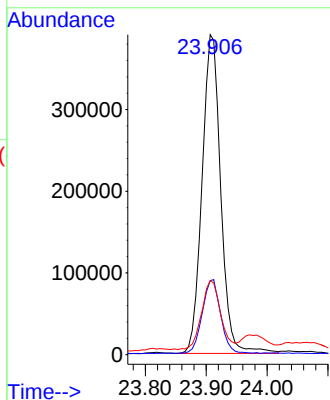
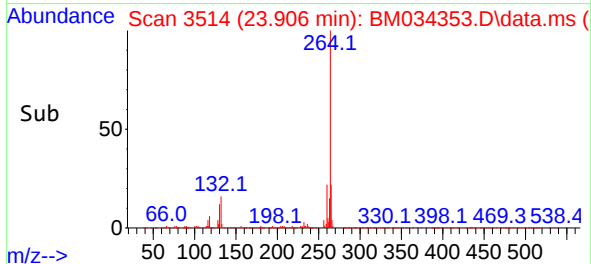
Instrument :
BNA_M
ClientSampleId :
C-7-6-7



Tgt Ion:264 Resp: 831025
Ion Ratio Lower Upper
264 100
260 23.2 18.6 28.0
265 23.1 17.6 26.4

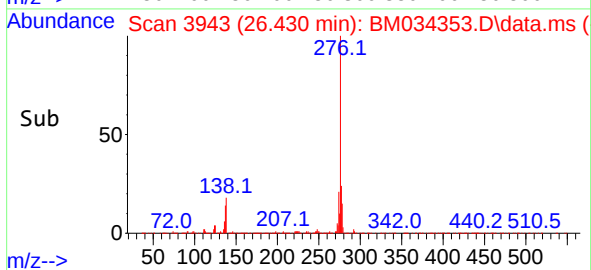
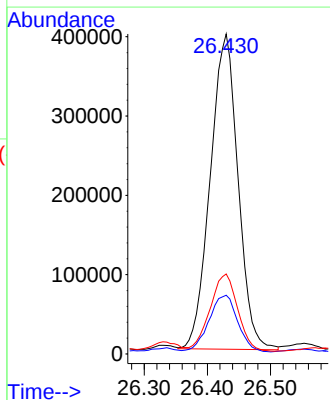
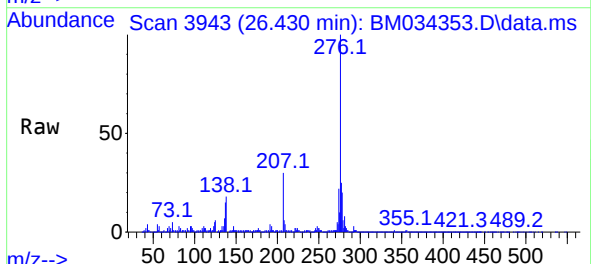
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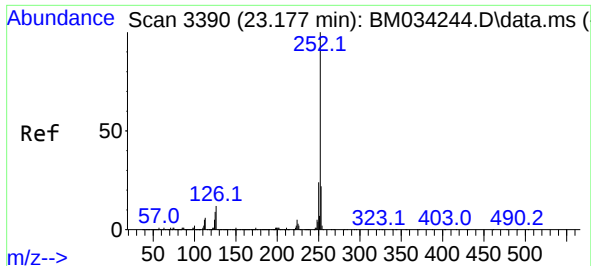
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 22.729 ng
RT: 26.430 min Scan# 3943
Delta R.T. 0.006 min
Lab File: BM034353.D
Acq: 23 Mar 2022 23:45

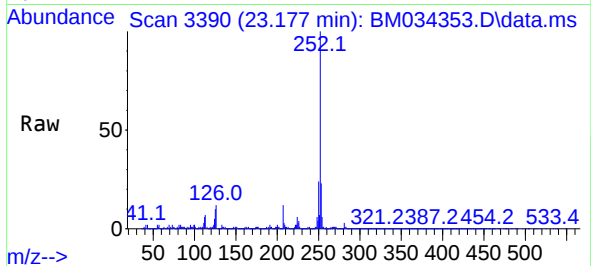
Tgt Ion:276 Resp: 1215086
Ion Ratio Lower Upper
276 100
138 18.7 16.6 25.0
277 24.4 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 46.321 ng
RT: 23.177 min Scan# 3390
Delta R.T. 0.006 min
Lab File: BM034353.D
Acq: 23 Mar 2022 23:45

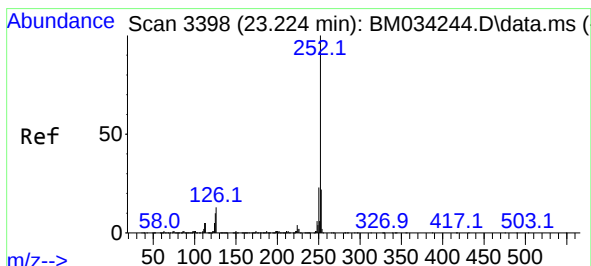
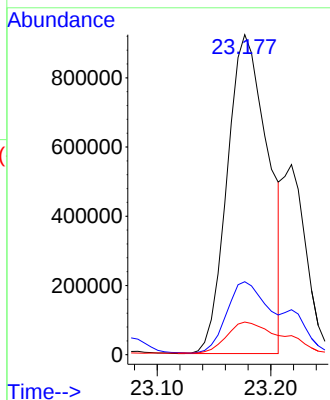
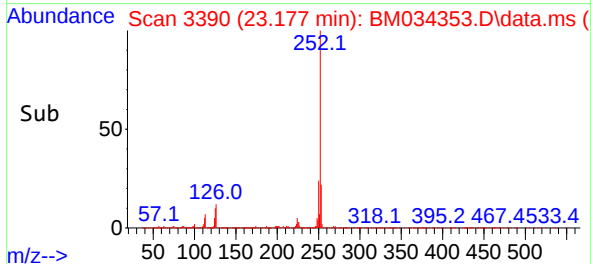
Instrument :
BNA_M
ClientSampleId :
C-7-6-7



Tgt Ion:252 Resp: 230186
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 10.2 7.2 10.8

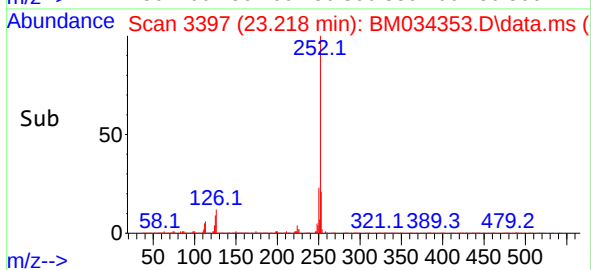
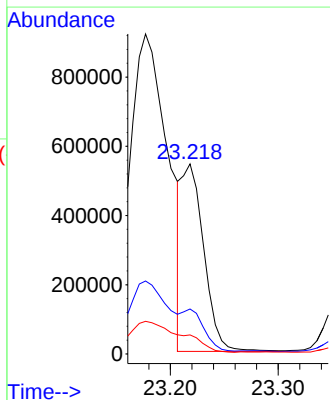
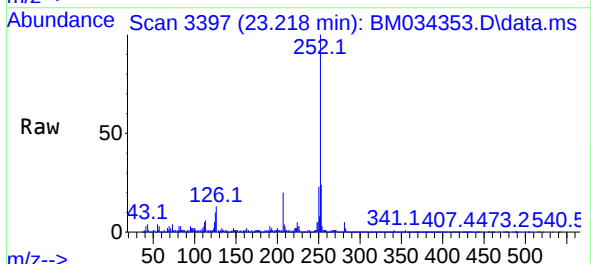
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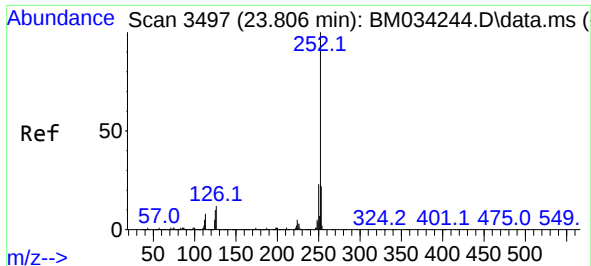
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#89
Benzo(k)fluoranthene
Concen: 14.585 ng m
RT: 23.218 min Scan# 3397
Delta R.T. -0.006 min
Lab File: BM034353.D
Acq: 23 Mar 2022 23:45

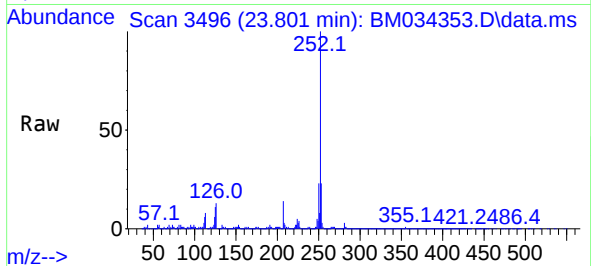
Tgt Ion:252 Resp: 767773
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 10.1 7.5 11.3





#90
Benzo(a)pyrene
Concen: 42.321 ng
RT: 23.801 min Scan# 3497
Delta R.T. 0.000 min
Lab File: BM034353.D
Acq: 23 Mar 2022 23:45

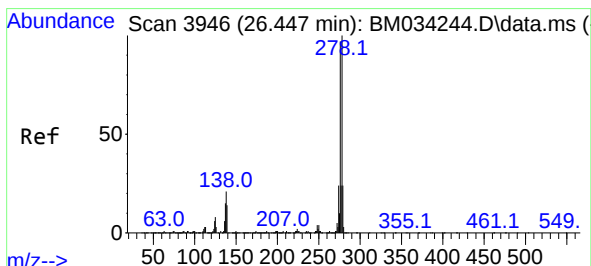
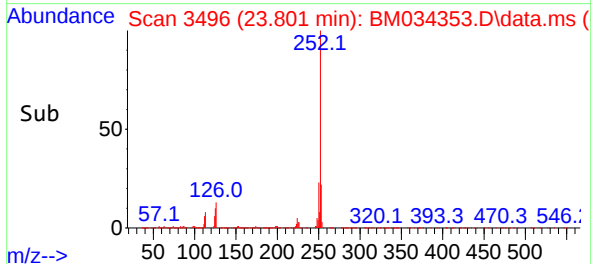
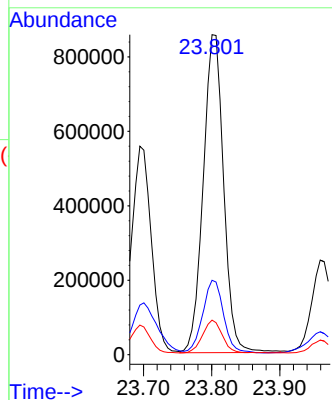
Instrument :
BNA_M
ClientSampleId :
C-7-6-7



Tgt Ion:252 Resp: 178284
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 10.8 7.8 11.6

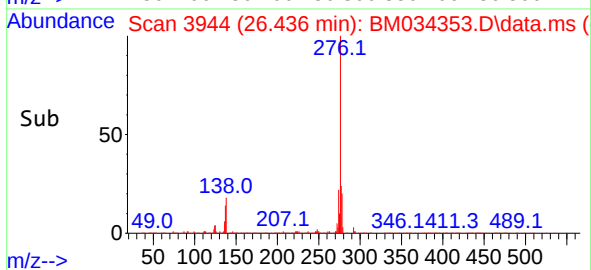
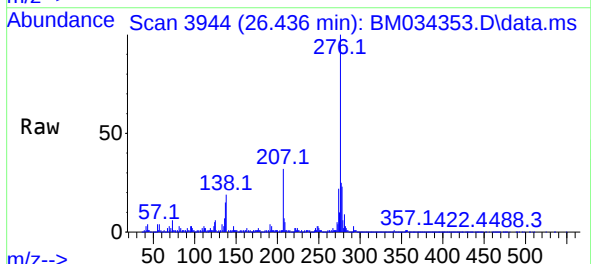
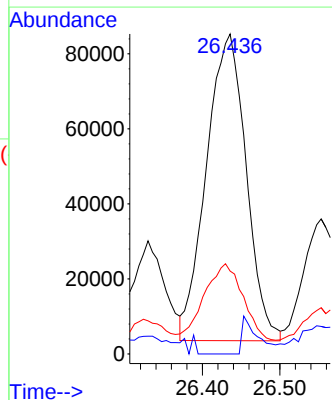
Manual Integrations
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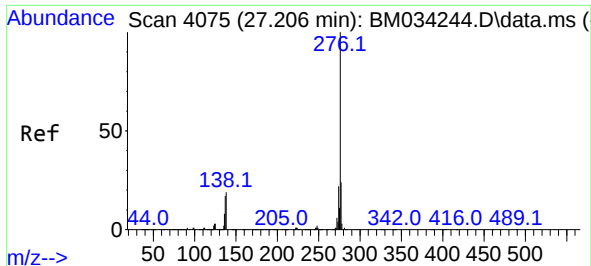
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#91
Dibenzo(a,h)anthracene
Concen: 6.731 ng
RT: 26.436 min Scan# 3944
Delta R.T. -0.006 min
Lab File: BM034353.D
Acq: 23 Mar 2022 23:45

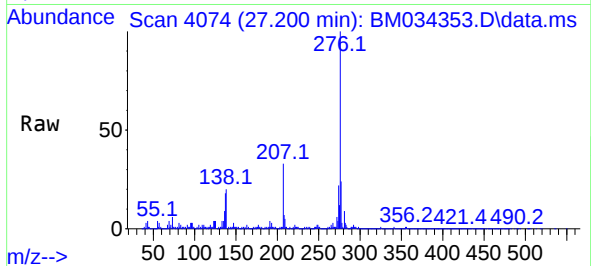
Tgt Ion:278 Resp: 291780
Ion Ratio Lower Upper
278 100
139 0.0 11.2 16.8#
279 25.9 19.2 28.8





#92
 Benzo(g,h,i)perylene
 Concen: 27.522 ng
 RT: 27.200 min Scan# 4075
 Delta R.T. 0.000 min
 Lab File: BM034353.D
 Acq: 23 Mar 2022 23:45

Instrument :
 BNA_M
 ClientSampleId :
 C-7-6-7



Tgt Ion: 276 Resp: 1234820

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.4
138	20.2	15.6	23.4

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

