

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032522\
 Data File : BM034386.D
 Acq On : 25 Mar 2022 15:48
 Operator : CG/JU
 Sample : N2103-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RBR-200049

Manual Integrations
 APPROVED

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

Quant Time: Mar 26 05:38:52 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	143603	20.000	ng	0.00
21) Naphthalene-d8	10.754	136	534416	20.000	ng	0.00
39) Acenaphthene-d10	14.583	164	305227	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	606222	20.000	ng	0.00
76) Chrysene-d12	21.494	240	614558	20.000	ng	0.00
86) Perylene-d12	23.918	264	711944	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.495	112	972136	121.444	ng	0.00
7) Phenol-d6	7.101	99	1179026	102.873	ng	0.00
23) Nitrobenzene-d5	9.101	82	797363	72.642	ng	0.00
42) 2,4,6-Tribromophenol	16.071	330	438565	106.601	ng	0.00
45) 2-Fluorobiphenyl	13.207	172	1621598	72.598	ng	0.00
79) Terphenyl-d14	19.942	244	2532019	71.591	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.365	178	91347	2.691	ng	95
75) Fluoranthene	19.377	202	216875	5.698	ng	97
78) Pyrene	19.742	202	222014	5.127	ng	100
81) Benzo(a)anthracene	21.483	228	121518m	3.133	ng	
83) Chrysene	21.536	228	139041m	3.510	ng	
88) Benzo(b)fluoranthene	23.183	252	177875m	4.178	ng	
90) Benzo(a)pyrene	23.806	252	128350	3.556	ng	# 93
92) Benzo(g,h,i)perylene	27.218	276	102501	2.667	ng	96

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

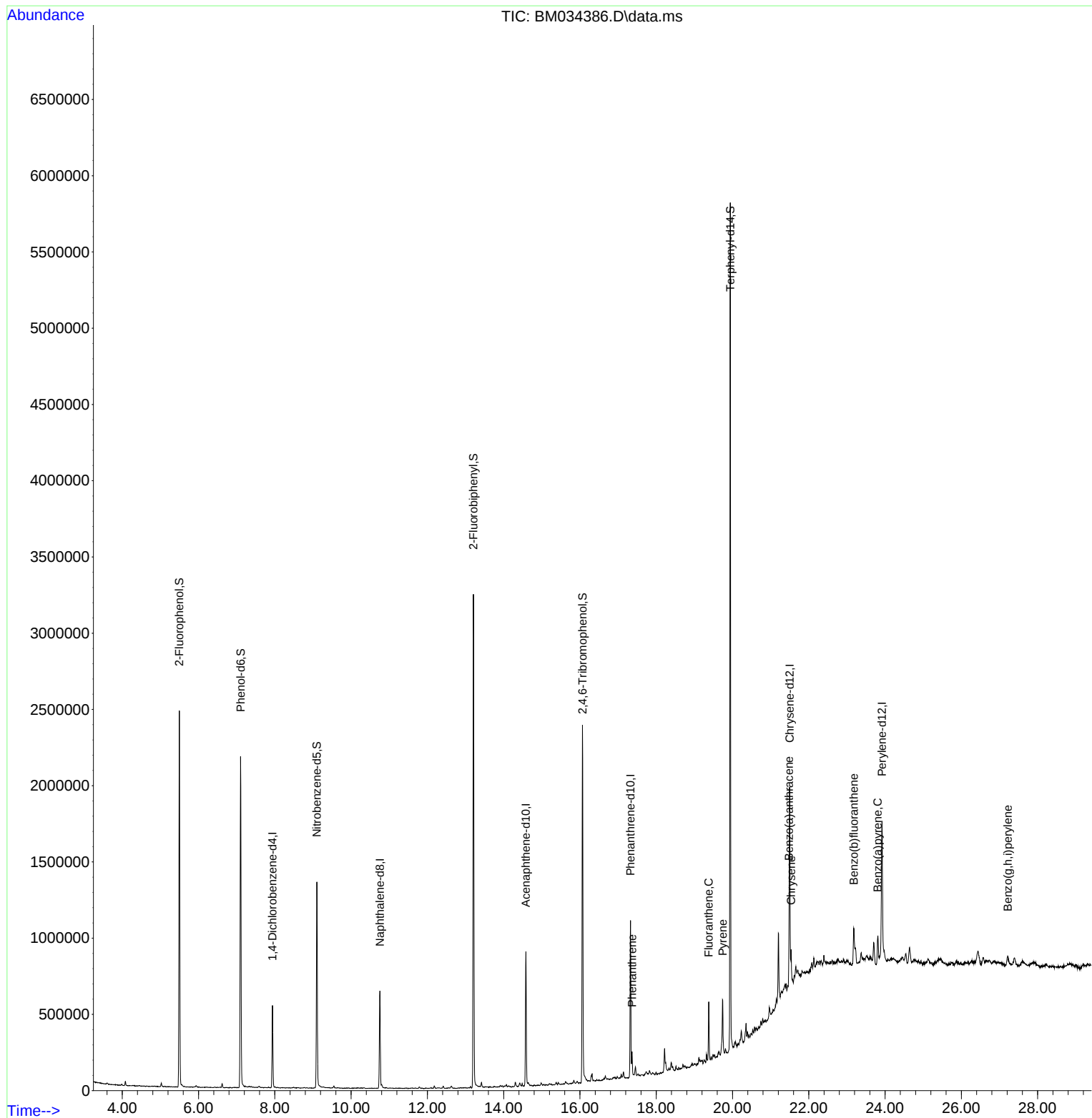
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032522\
Data File : BM034386.D
Acq On : 25 Mar 2022 15:48
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ALS Vial : 10 Sample Multiplier: 1

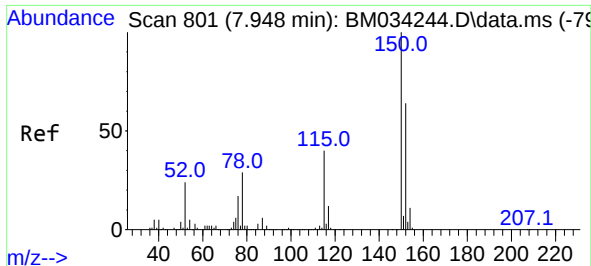
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QLast Update : Thu Mar 24 02:40:59 2022
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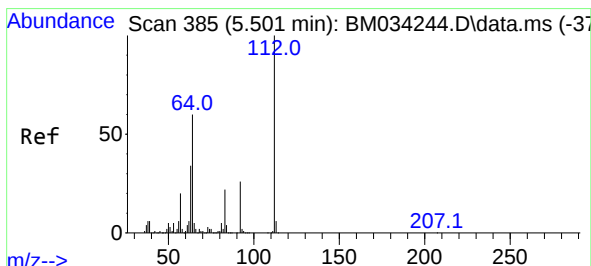
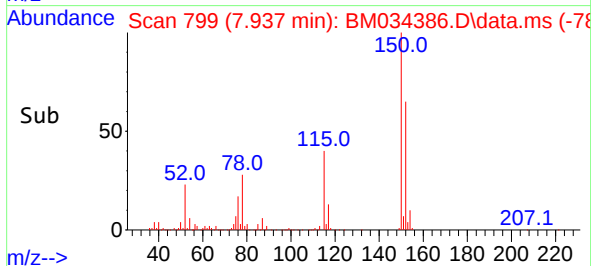
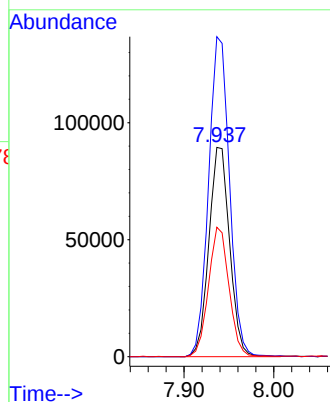
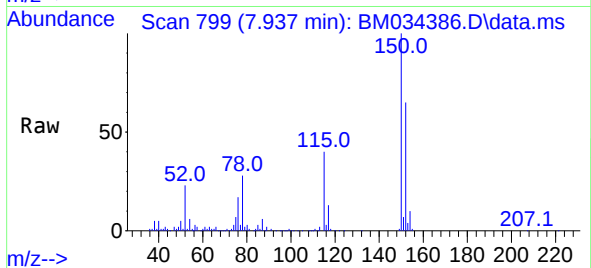
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 79
Delta R.T. -0.005 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

Instrument :
BNA_M
ClientSampleId :
RBR-200049

Tgt Ion:152 Resp: 14360
Ion Ratio Lower Upper
152 100
150 152.9 125.4 188.2
115 61.8 50.1 75.1

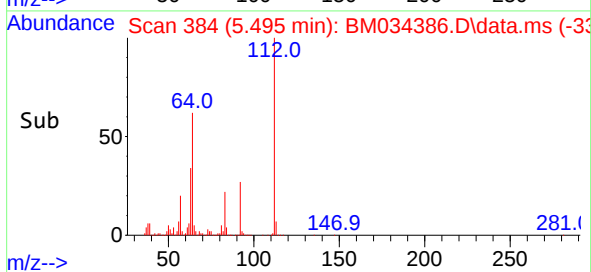
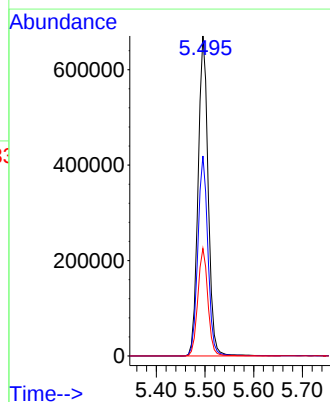
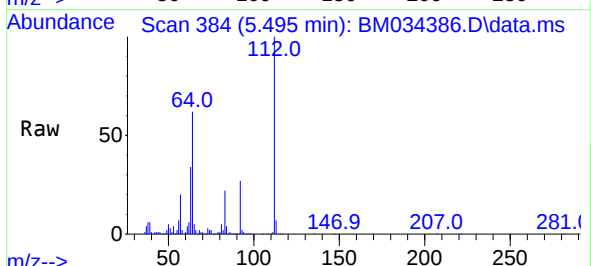
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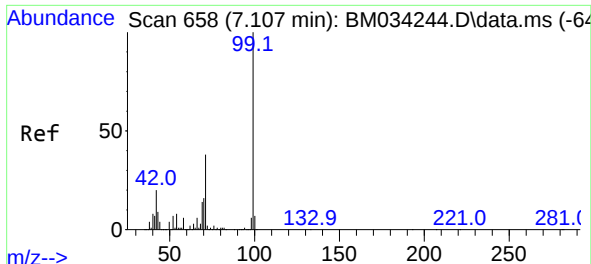
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022



#5
2-Fluorophenol
Concen: 121.444 ng
RT: 5.495 min Scan# 384
Delta R.T. 0.006 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

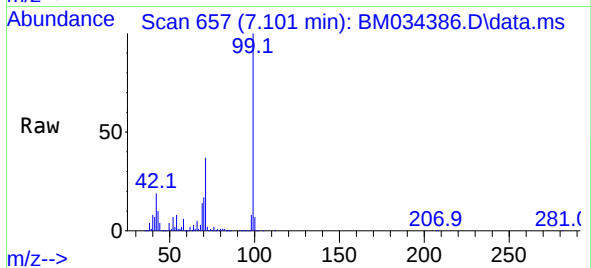
Tgt Ion:112 Resp: 972136
Ion Ratio Lower Upper
112 100
64 62.5 47.9 71.9
63 33.6 27.1 40.7





#7
Phenol-d6
Concen: 102.873 ng
RT: 7.101 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

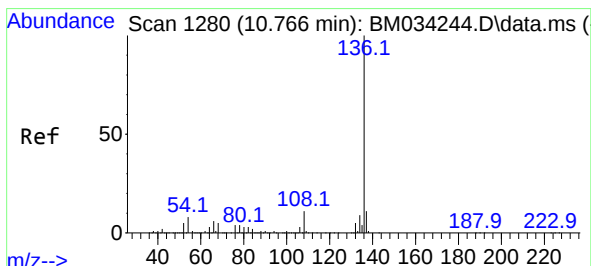
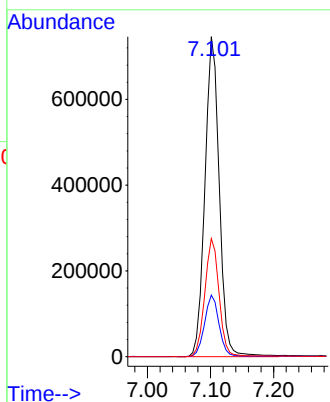
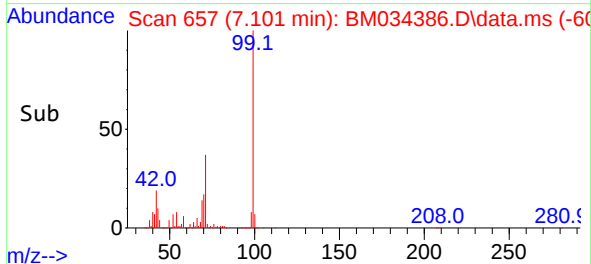
Instrument :
BNA_M
ClientSampleId :
RBR-200049



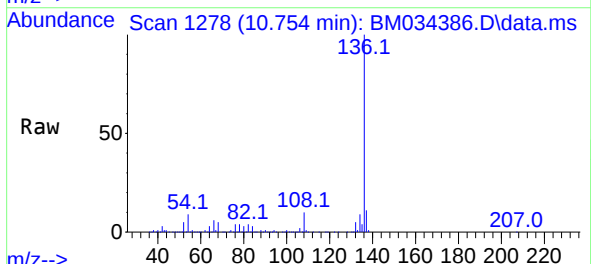
Tgt Ion: 99 Resp: 1179020
Ion Ratio Lower Upper
99 100
42 19.3 15.6 23.4
71 36.9 30.6 46.0

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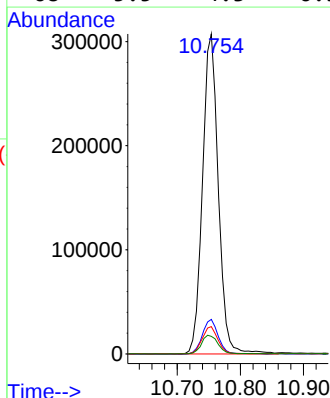
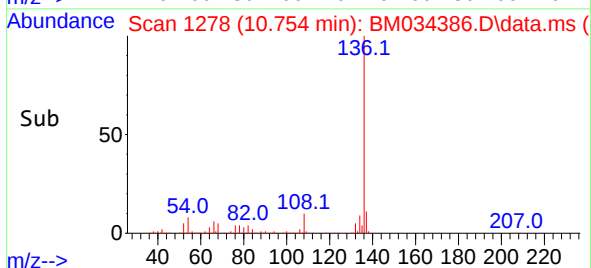
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022

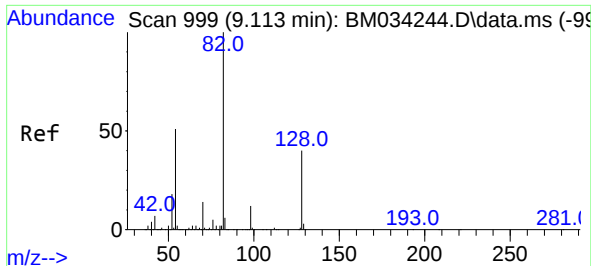


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.754 min Scan# 1278
Delta R.T. -0.000 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48



Tgt Ion:136 Resp: 534416
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.5 6.2 9.4
68 5.5 4.3 6.5





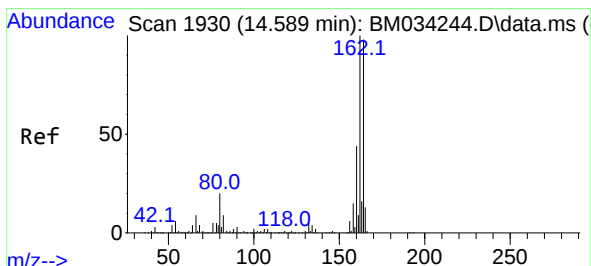
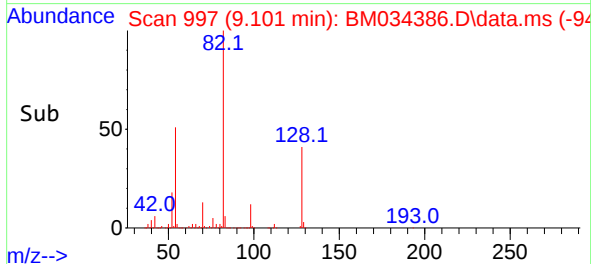
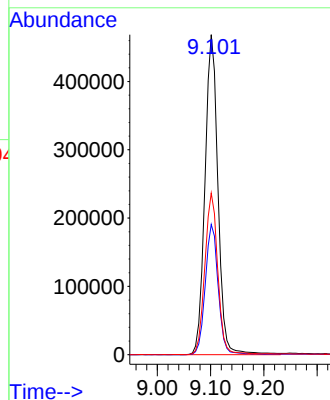
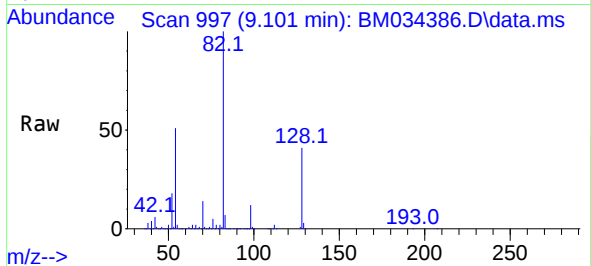
#23
Nitrobenzene-d5
Concen: 72.642 ng
RT: 9.101 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

Instrument :
BNA_M
ClientSampleId :
RBR-200049

Tgt Ion: 82 Resp: 79736
Ion Ratio Lower Upper
82 100
128 40.7 31.9 47.9
54 50.5 40.6 61.0

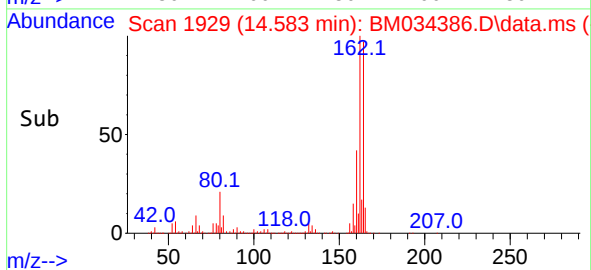
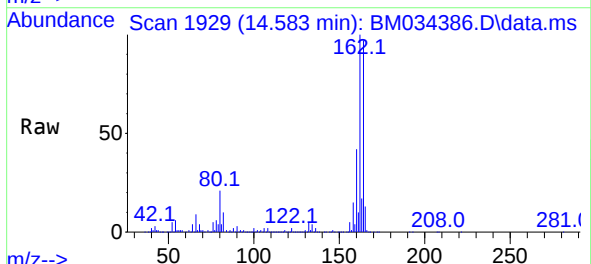
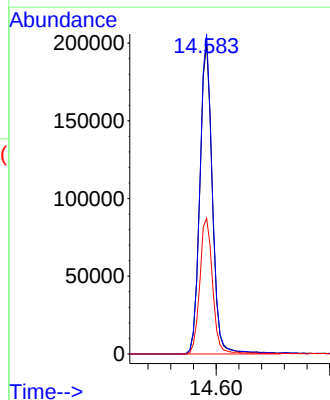
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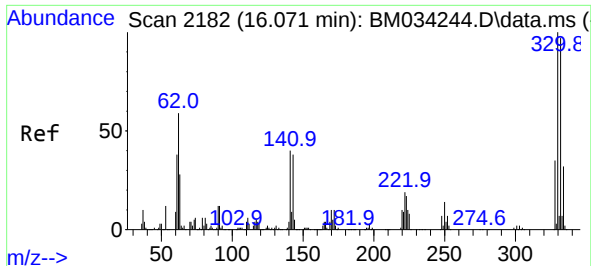
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.583 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

Tgt Ion:164 Resp: 305227
Ion Ratio Lower Upper
164 100
162 103.0 81.6 122.4
160 43.7 35.6 53.4





#42
2,4,6-Tribromophenol
Concen: 106.601 ng
RT: 16.071 min Scan# 2182
Delta R.T. 0.006 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

Instrument :

BNA_M

ClientSampleId :

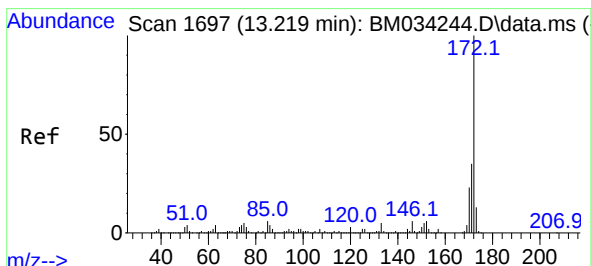
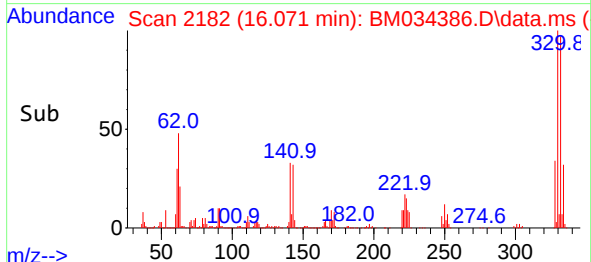
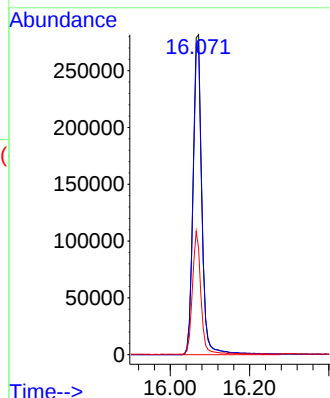
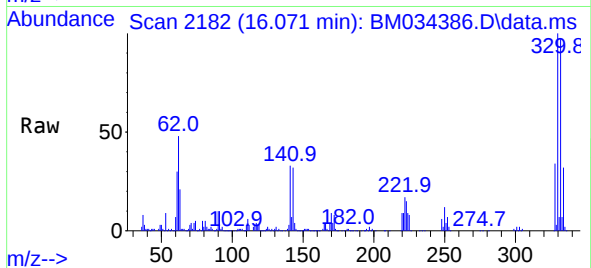
RBR-200049

Tgt Ion:330 Resp: 43856
Ion Ratio Lower Upper
330 100
332 96.0 78.2 117.4
141 36.2 30.6 45.8

Manual Integrations

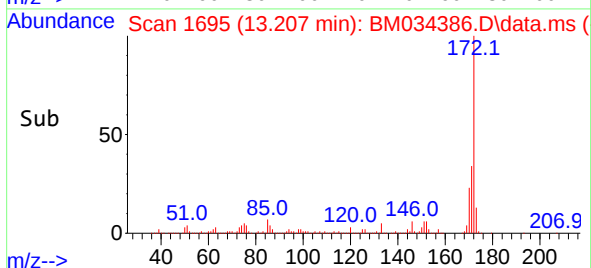
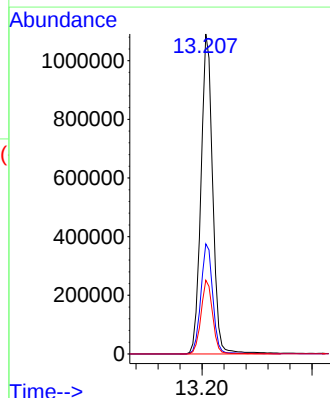
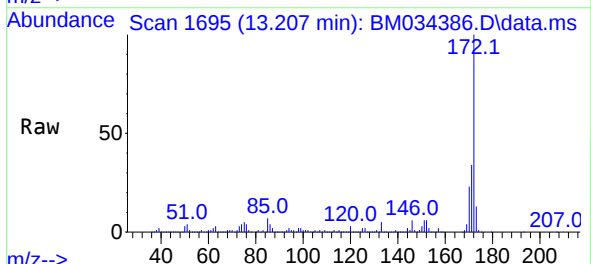
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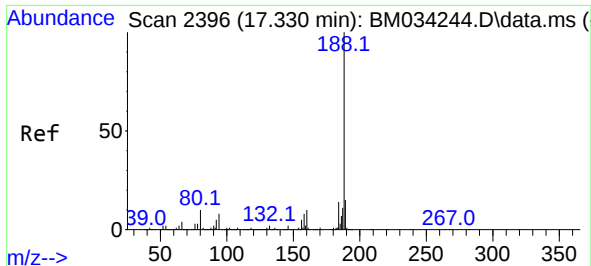
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022



#45
2-Fluorobiphenyl
Concen: 72.598 ng
RT: 13.207 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

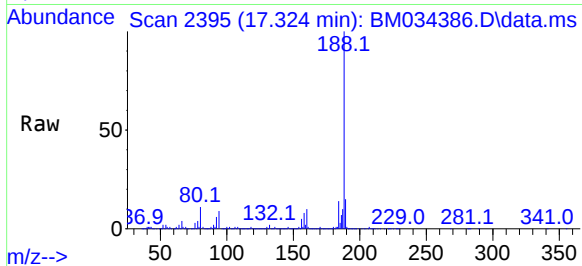
Tgt Ion:172 Resp: 1621598
Ion Ratio Lower Upper
172 100
171 34.4 28.0 42.0
170 23.0 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

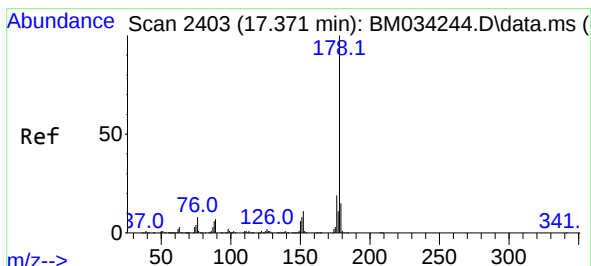
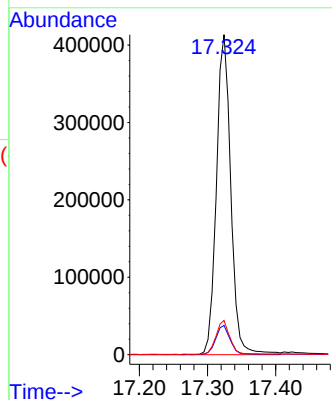
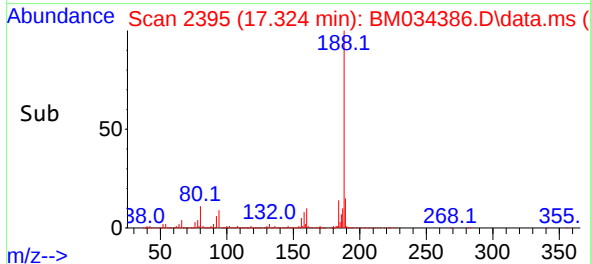
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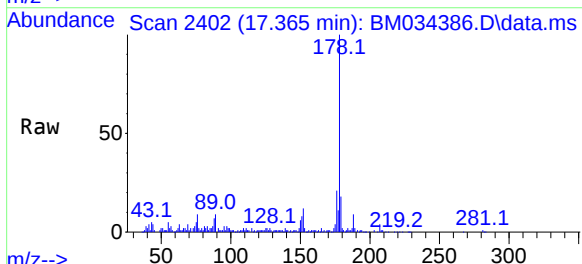
Tgt Ion:188 Resp: 60622
Ion Ratio Lower Upper
188 100
94 9.2 6.6 9.8
80 10.7 7.8 11.8

Manual Integrations
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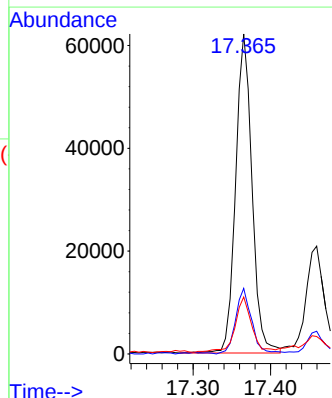
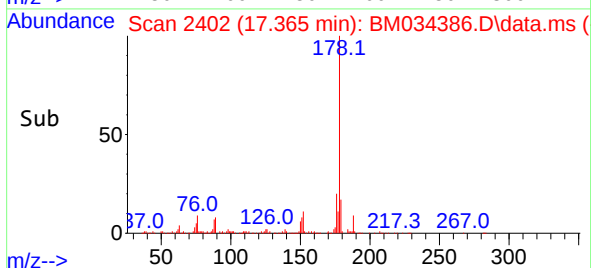
Reviewed By :Christian Giraldo 03/28/2022
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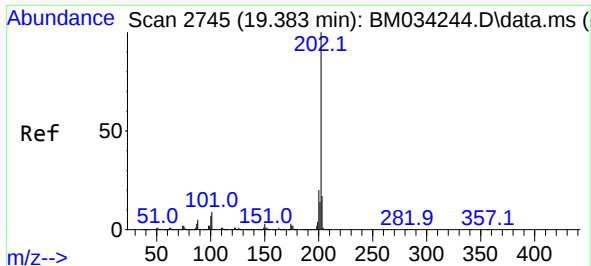


#71
Phenanthrene
Concen: 2.691 ng
RT: 17.365 min Scan# 2402
Delta R.T. -0.000 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48



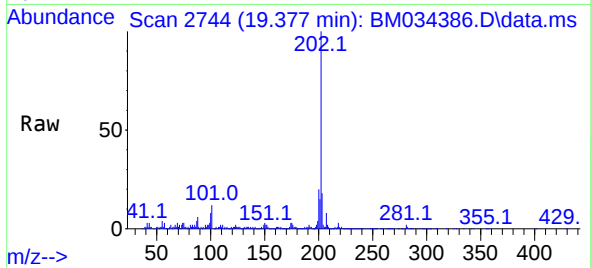
Tgt Ion:178 Resp: 91347
Ion Ratio Lower Upper
178 100
176 20.5 15.1 22.7
179 17.8 12.2 18.4





#75
Fluoranthene
Concen: 5.698 ng
RT: 19.377 min Scan# 21687
Delta R.T. -0.000 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

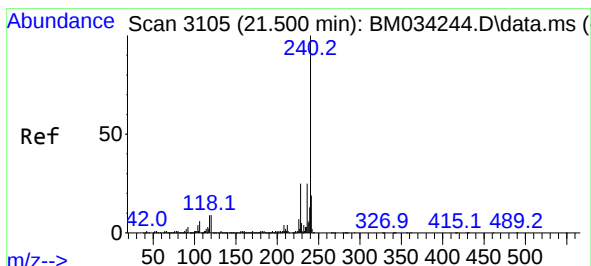
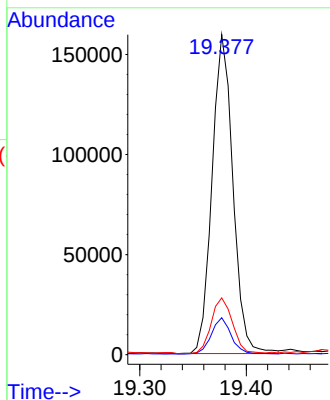
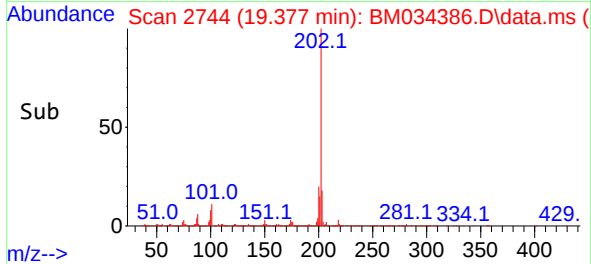
Instrument :
BNA_M
ClientSampleId :
RBR-200049



Tgt Ion:202 Resp: 21687
Ion Ratio Lower Upper
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101 11.6 0.0 29.4
203 17.8 0.0 37.1

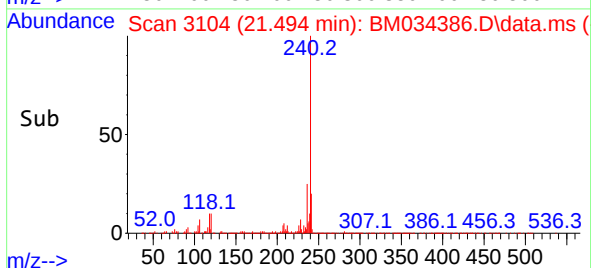
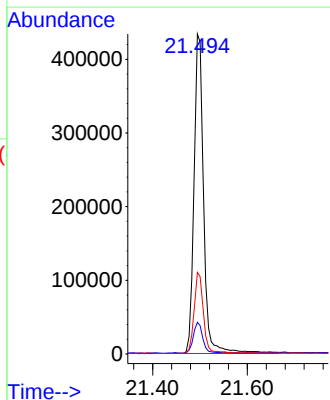
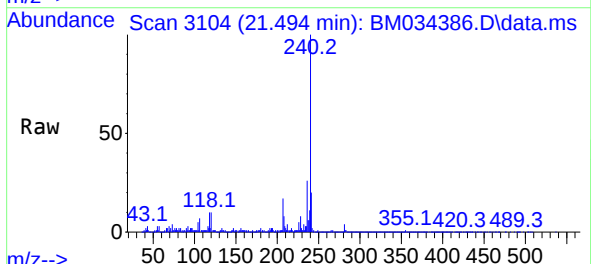
Manual Integrations
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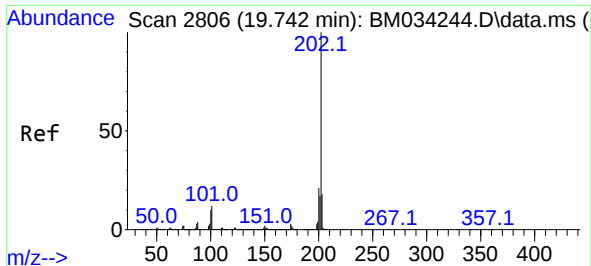
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.494 min Scan# 3104
Delta R.T. -0.000 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

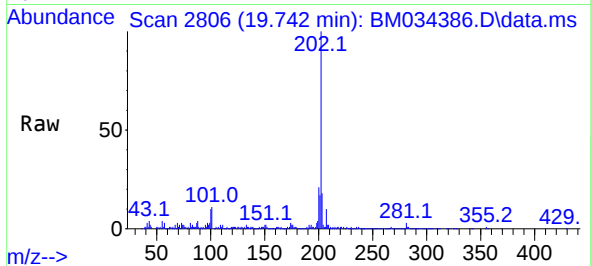
Tgt Ion:240 Resp: 614558
Ion Ratio Lower Upper
240 100
120 9.9 7.3 10.9
236 25.5 20.2 30.2





#78
Pyrene
Concen: 5.127 ng
RT: 19.742 min Scan# 2806
Delta R.T. 0.006 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

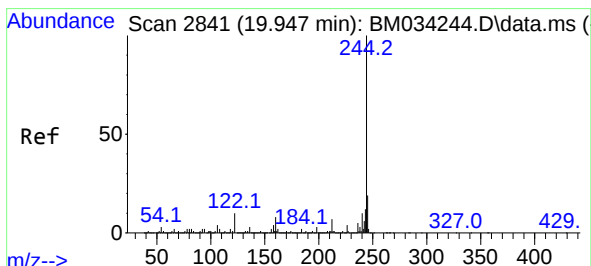
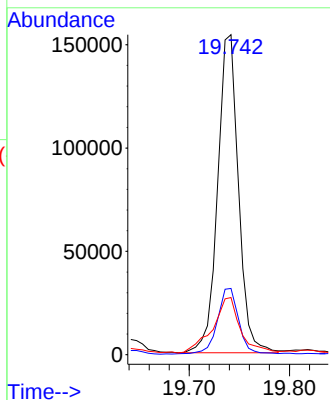
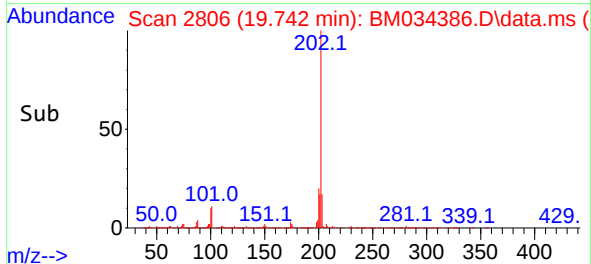
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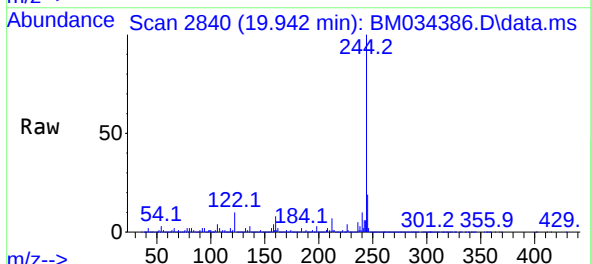
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Ion Ratio Lower Upper
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200 20.7 16.6 24.8
203 17.9 14.1 21.1

Manual Integrations
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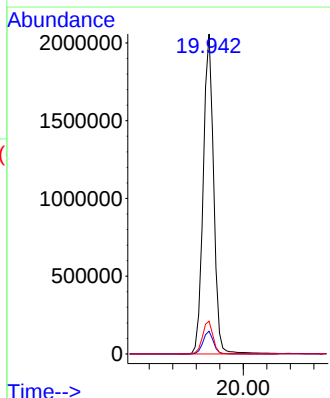
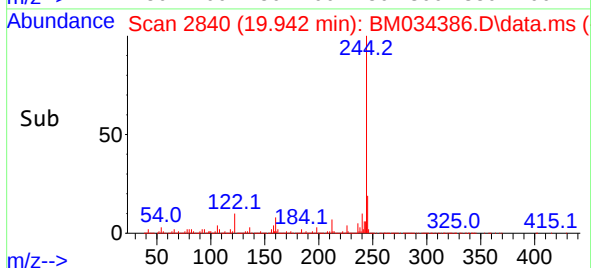
Reviewed By :Christian Giraldo 03/28/2022
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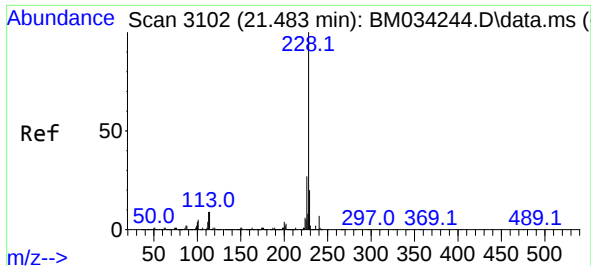


#79
Terphenyl-d14
Concen: 71.591 ng
RT: 19.942 min Scan# 2840
Delta R.T. 0.006 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48



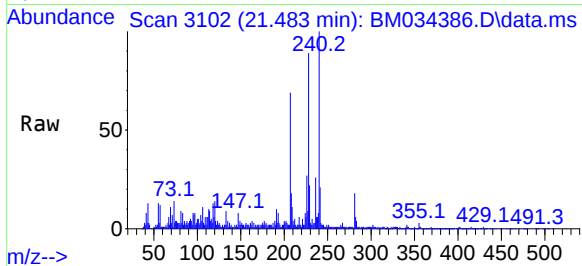
Tgt Ion:244 Resp: 2532019
Ion Ratio Lower Upper
244 100
212 7.1 5.9 8.9
122 10.3 7.8 11.8





#81
Benzo(a)anthracene
Concen: 3.133 ng m
RT: 21.483 min Scan# 3102
Delta R.T. 0.006 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

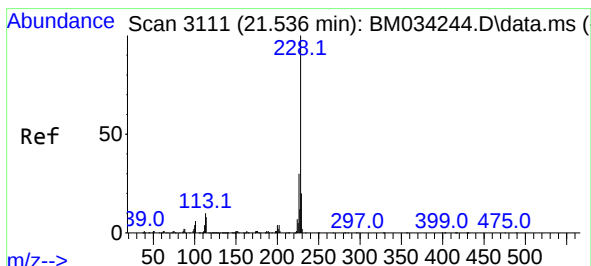
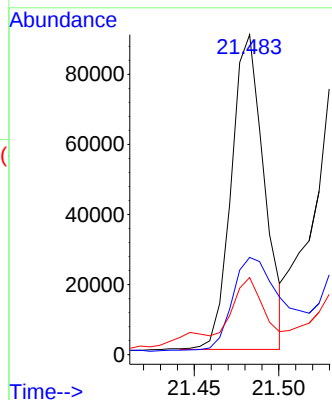
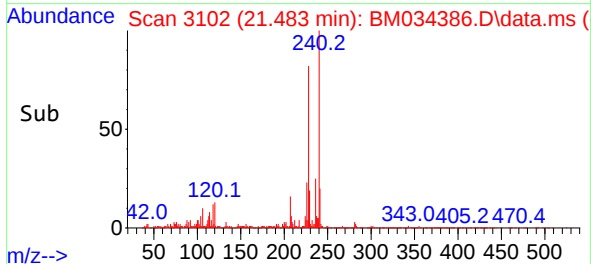
Instrument :
BNA_M
ClientSampleId :
RBR-200049



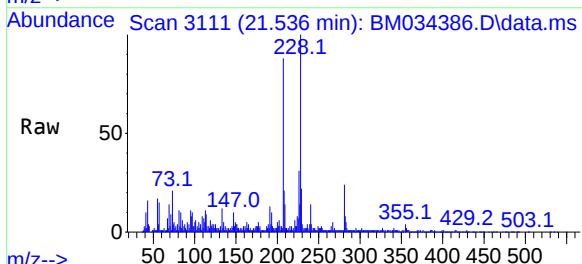
Tgt Ion:228 Resp: 121518
Ion Ratio Lower Upper
228 100
226 30.4 21.6 32.4
229 24.1 15.8 23.6

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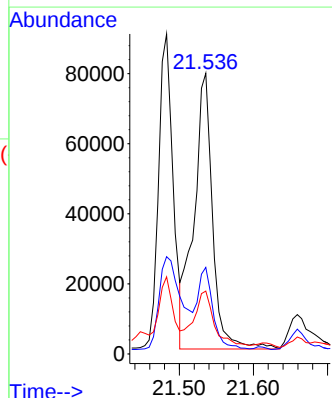
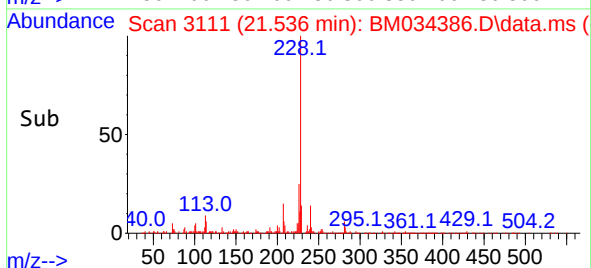
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022

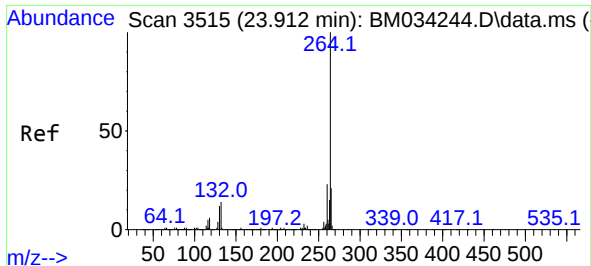


#83
Chrysene
Concen: 3.510 ng m
RT: 21.536 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48



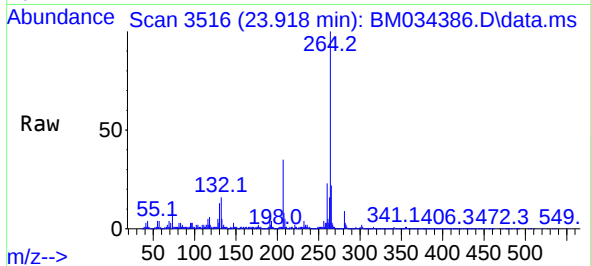
Tgt Ion:228 Resp: 139041
Ion Ratio Lower Upper
228 100
226 30.8 23.8 35.6
229 22.4 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.918 min Scan# 3515
Delta R.T. 0.012 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

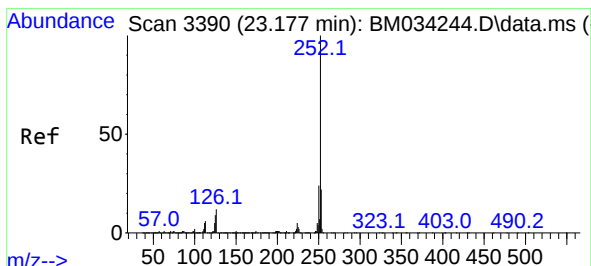
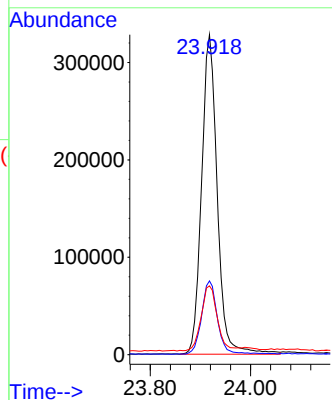
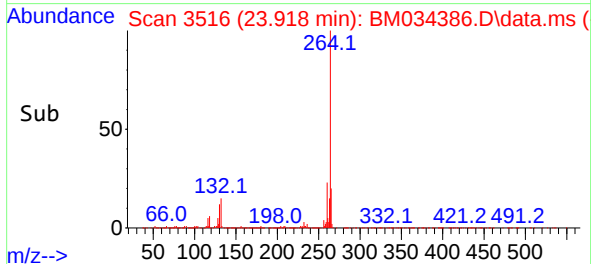
Instrument :
BNA_M
ClientSampleId :
RBR-200049



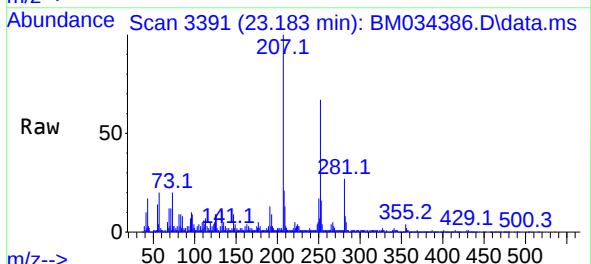
Tgt Ion:264 Resp: 711944
Ion Ratio Lower Upper
264 100
260 23.0 18.6 28.0
265 21.5 17.6 26.4

Manual Integrations
APPROVED

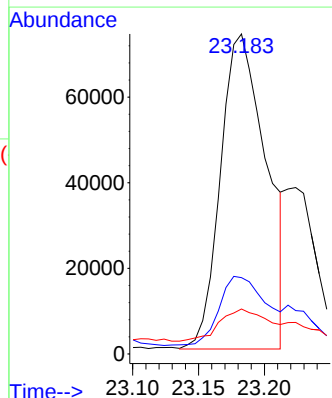
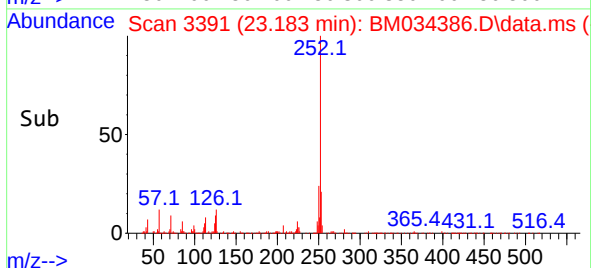
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022

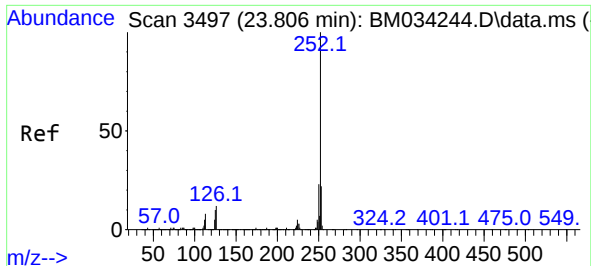


#88
Benzo(b)fluoranthene
Concen: 4.178 ng m
RT: 23.183 min Scan# 3391
Delta R.T. 0.012 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48



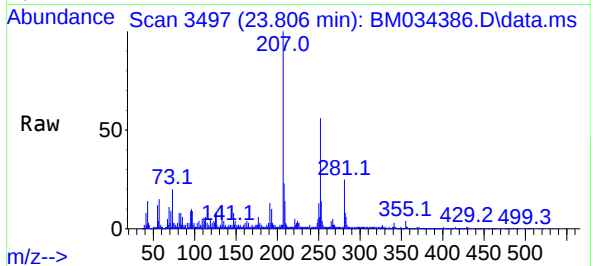
Tgt Ion:252 Resp: 177875
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 14.0 7.2 10.8





#90
Benzo(a)pyrene
Concen: 3.556 ng
RT: 23.806 min Scan# 3497
Delta R.T. 0.006 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

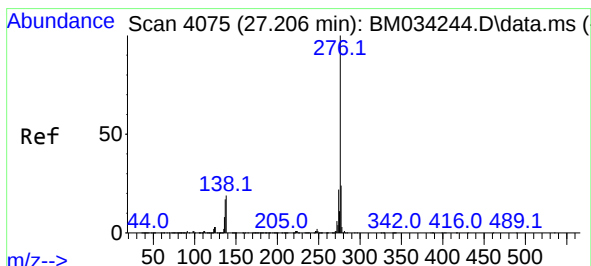
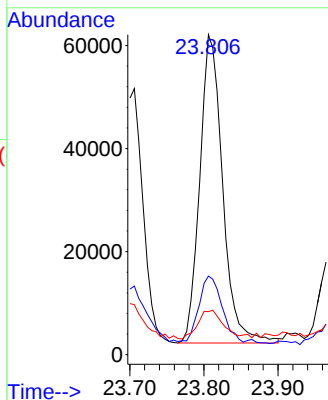
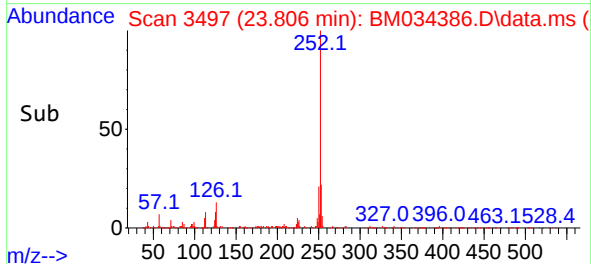
Instrument :
BNA_M
ClientSampleId :
RBR-200049



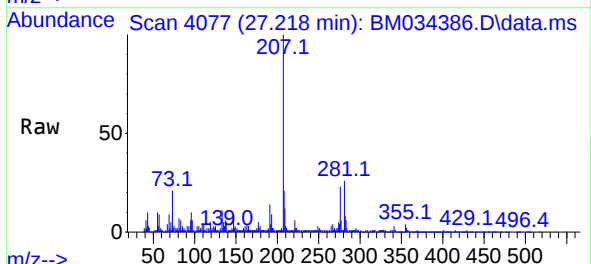
Tgt Ion: 252 Resp: 128350
Ion Ratio Lower Upper
252 100
253 24.6 17.5 26.3
125 13.5 7.8 11.6

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 2.667 ng
RT: 27.218 min Scan# 4077
Delta R.T. 0.018 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48



Tgt Ion: 276 Resp: 102501
Ion Ratio Lower Upper
276 100
277 24.3 19.0 28.4
138 22.6 15.6 23.4

