

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032522\
 Data File : BM034388.D
 Acq On : 25 Mar 2022 17:01
 Operator : CG/JU
 Sample : N2103-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CHRT-2001

Manual Integrations
 APPROVED

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

Quant Time: Mar 26 05:39:06 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	135493	20.000	ng	0.00
21) Naphthalene-d8	10.754	136	528168	20.000	ng	0.00
39) Acenaphthene-d10	14.583	164	310647	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	610458	20.000	ng	0.00
76) Chrysene-d12	21.495	240	582650	20.000	ng	0.00
86) Perylene-d12	23.918	264	648011	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	924414	122.395	ng	0.00
7) Phenol-d6	7.101	99	1142909	105.690	ng	0.00
23) Nitrobenzene-d5	9.101	82	785929	72.447	ng	0.00
42) 2,4,6-Tribromophenol	16.066	330	449573	107.370	ng	0.00
45) 2-Fluorobiphenyl	13.207	172	1673015	73.593	ng	0.00
79) Terphenyl-d14	19.942	244	2461489	73.408	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.307	152	174147	6.145	ng	98
71) Phenanthrene	17.366	178	195701	5.724	ng	100
72) Anthracene	17.460	178	127949	3.845	ng	99
75) Fluoranthene	19.377	202	500298	13.054	ng	97
78) Pyrene	19.742	202	630660	15.363	ng	100
81) Benzo(a)anthracene	21.483	228	297019m	8.077	ng	
83) Chrysene	21.536	228	332999m	8.867	ng	
84) Bis(2-ethylhexyl)phtha...	21.412	149	1795571	70.039	ng	98
87) Indeno(1,2,3-cd)pyrene	26.441	276	240319	5.765	ng	99
88) Benzo(b)fluoranthene	23.183	252	449586m	11.602	ng	
89) Benzo(k)fluoranthene	23.224	252	155106m	3.779	ng	
90) Benzo(a)pyrene	23.812	252	360097	10.962	ng	# 95
91) Dibenzo(a,h)anthracene	26.447	278	67712	2.003	ng	# 86
92) Benzo(g,h,i)perylene	27.218	276	268398	7.672	ng	98

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

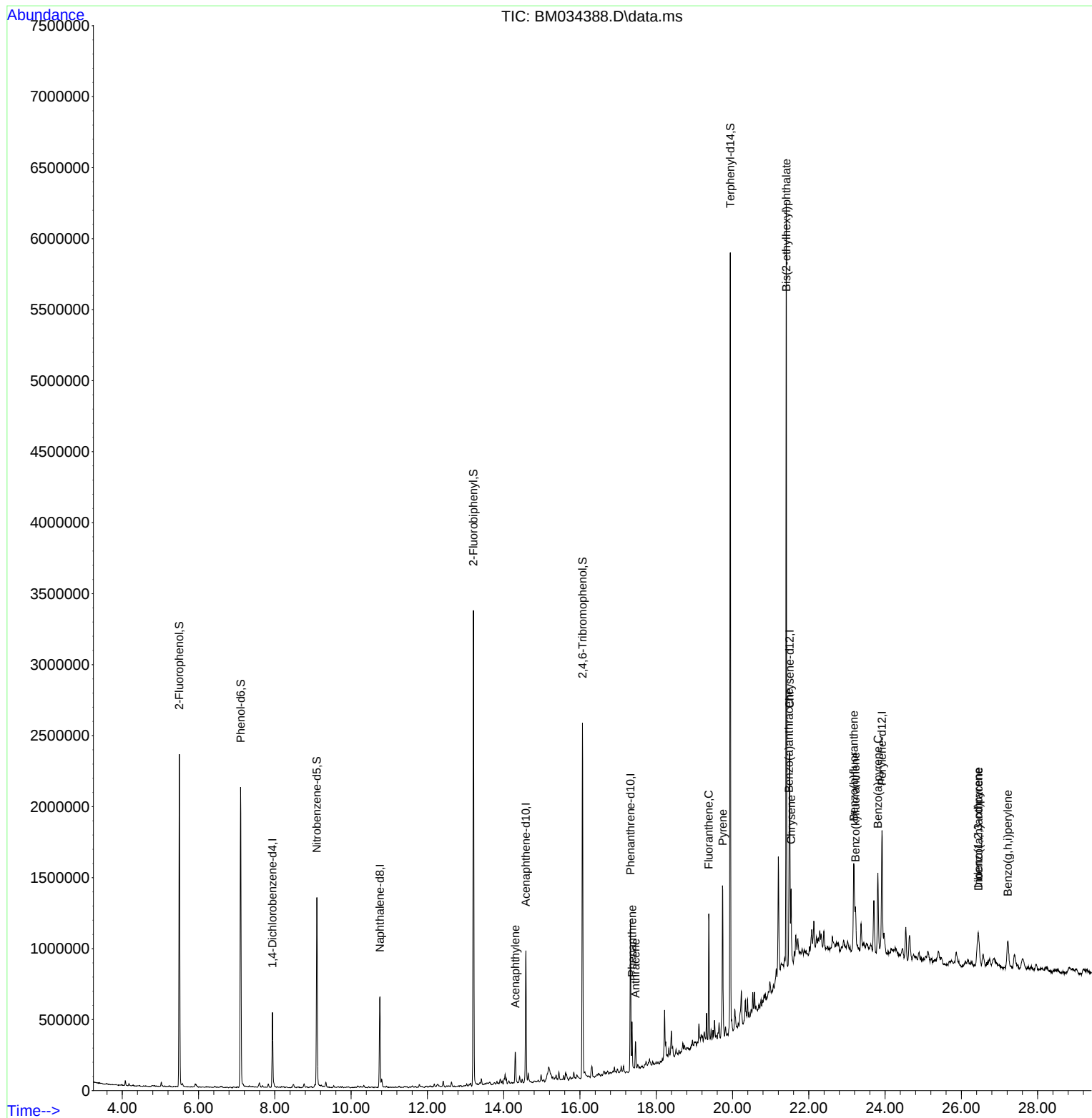
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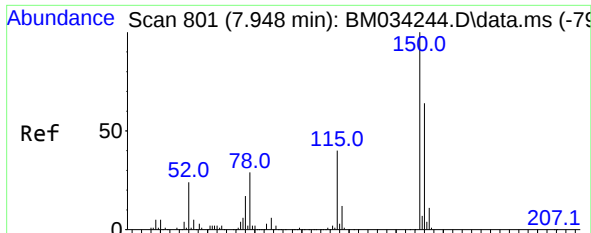
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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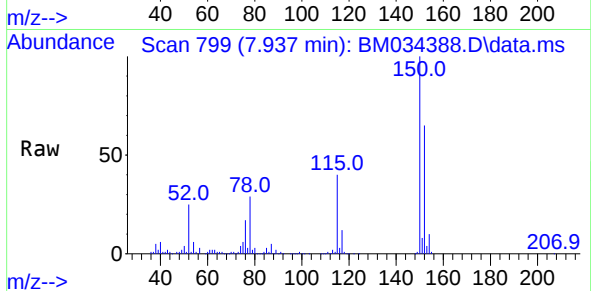
Reviewed By : Christian Giraldo 03/28/2022
Supervised By : Jagrut Upadhyay 03/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 799
Delta R.T. -0.005 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

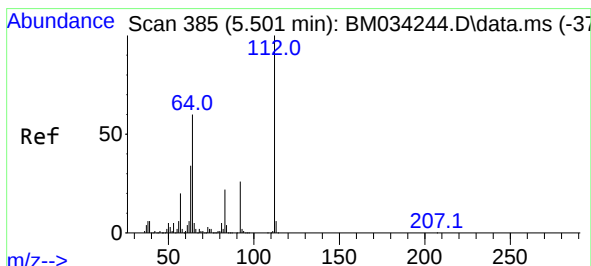
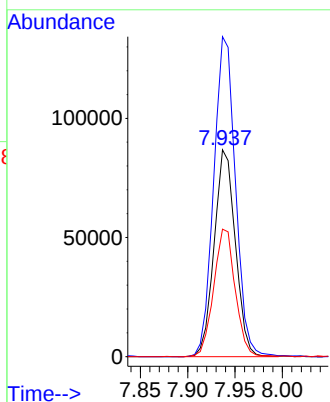
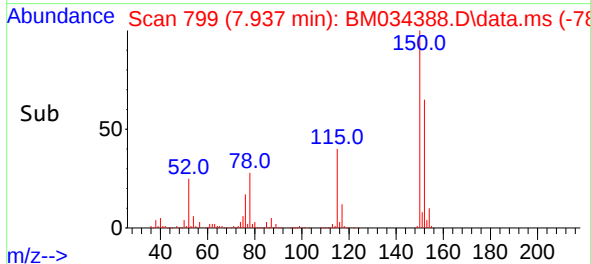
Instrument :
BNA_M
ClientSampleId :
CHRT-2001



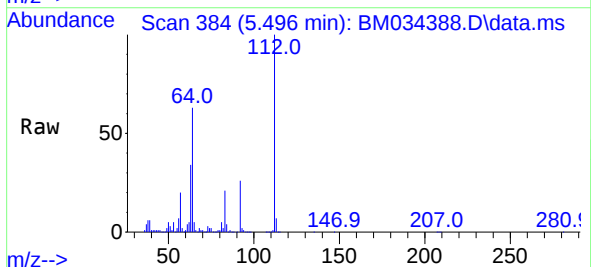
Tgt Ion:152 Resp: 13549
Ion Ratio Lower Upper
152 100
150 154.7 125.4 188.2
115 61.7 50.1 75.1

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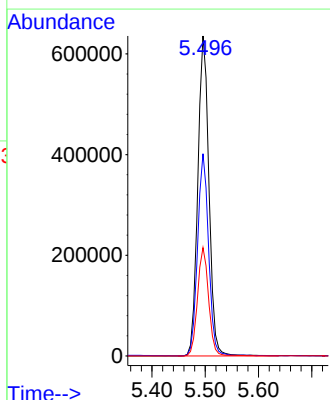
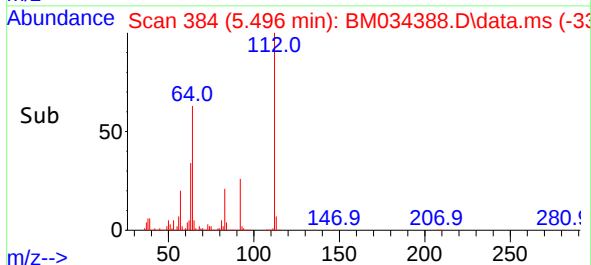
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022

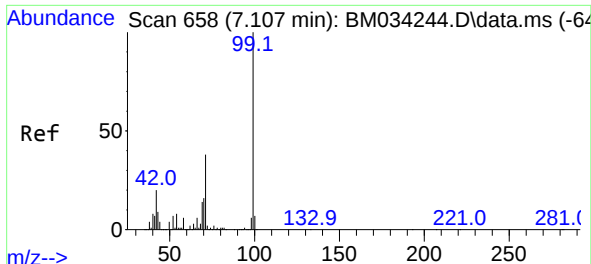


#5
2-Fluorophenol
Concen: 122.395 ng
RT: 5.496 min Scan# 384
Delta R.T. 0.006 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01



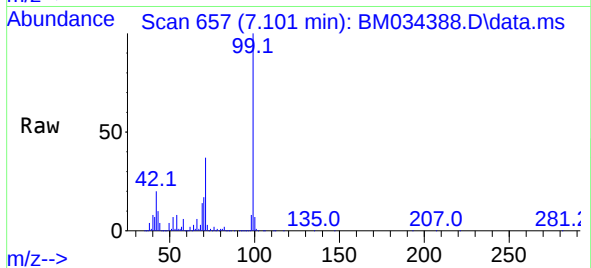
Tgt Ion:112 Resp: 924414
Ion Ratio Lower Upper
112 100
64 63.2 47.9 71.9
63 33.9 27.1 40.7





#7
Phenol-d6
Concen: 105.690 ng
RT: 7.101 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

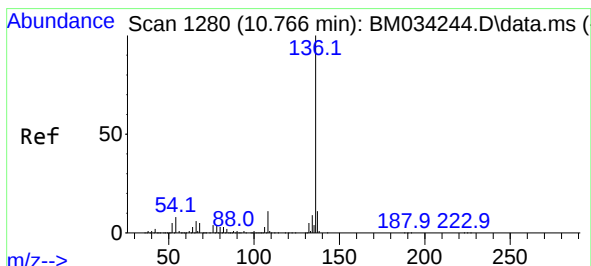
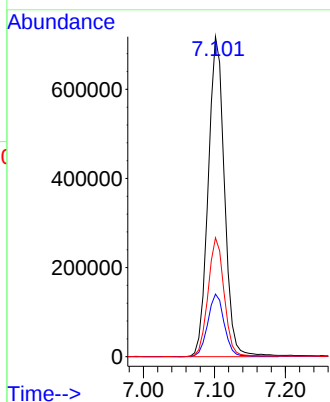
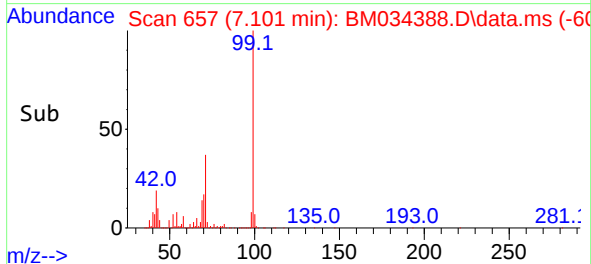
Instrument :
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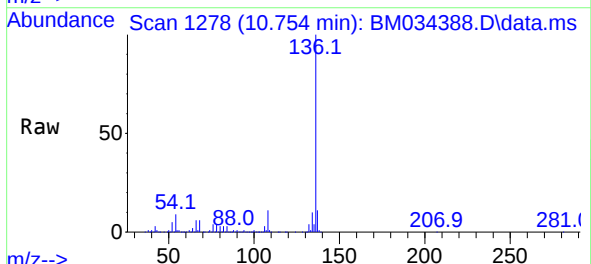
Tgt Ion: 99 Resp: 1142909
Ion Ratio Lower Upper
99 100
42 19.5 15.6 23.4
71 37.1 30.6 46.0

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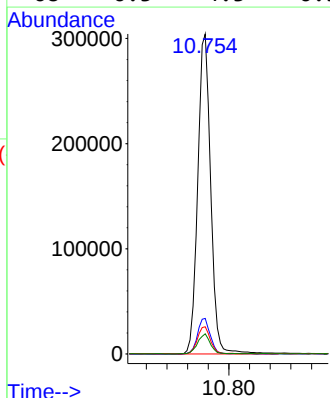
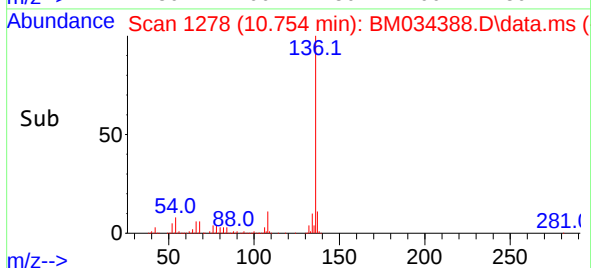
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022

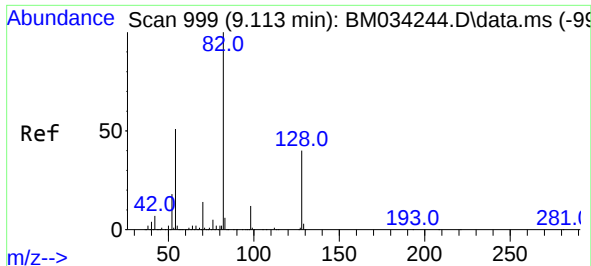


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.754 min Scan# 1278
Delta R.T. 0.000 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01



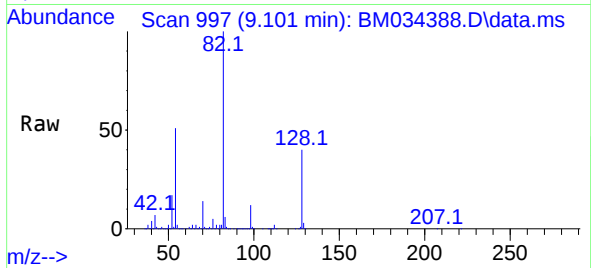
Tgt Ion:136 Resp: 528168
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.5 6.2 9.4
68 6.3 4.3 6.5





#23
Nitrobenzene-d5
Concen: 72.447 ng
RT: 9.101 min Scan# 999
Delta R.T. -0.006 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

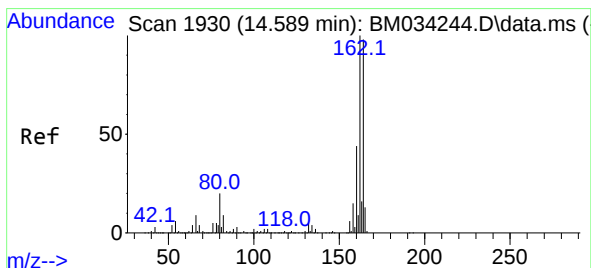
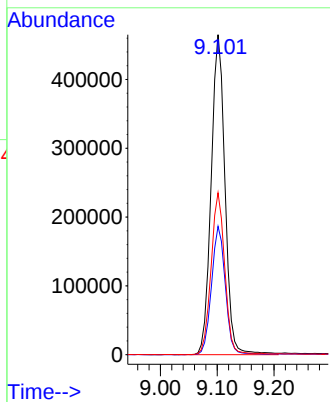
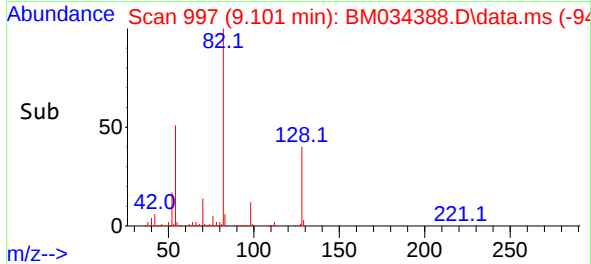
Instrument :
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Tgt Ion: 82 Resp: 785929
Ion Ratio Lower Upper
82 100
128 40.1 31.9 47.9
54 50.6 40.6 61.0

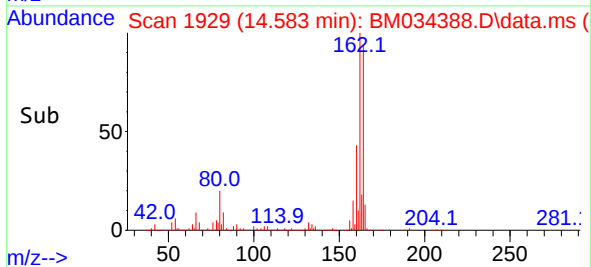
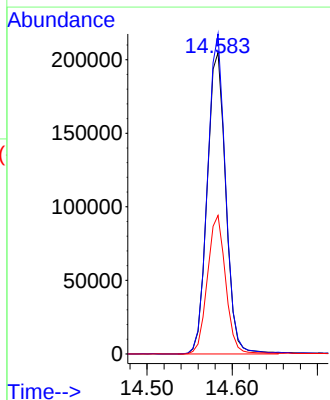
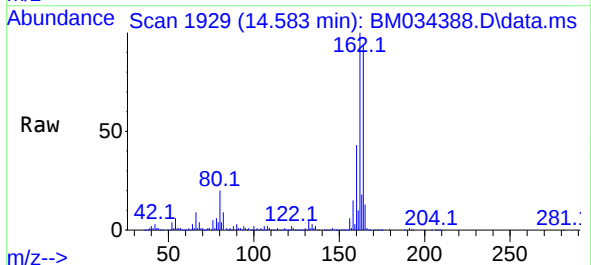
Manual Integrations
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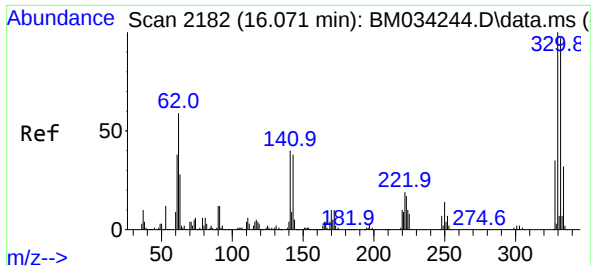
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.583 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

Tgt Ion:164 Resp: 310647
Ion Ratio Lower Upper
164 100
162 106.2 81.6 122.4
160 46.0 35.6 53.4





#42
2,4,6-Tribromophenol
Concen: 107.370 ng
RT: 16.066 min Scan# 2182
Delta R.T. 0.000 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

Instrument :

BNA_M

ClientSampleId :

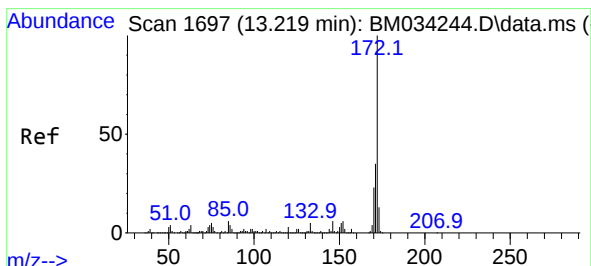
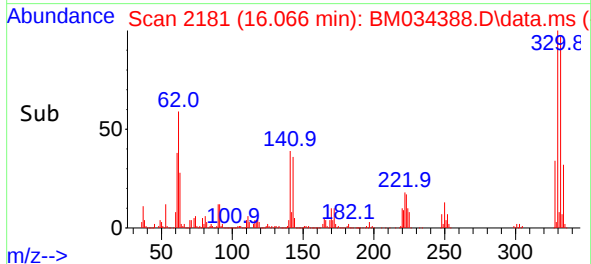
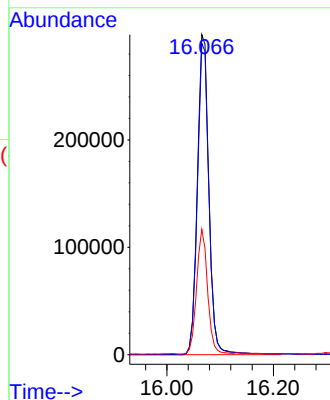
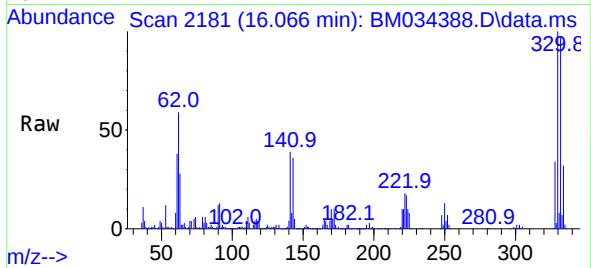
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Tgt Ion:330 Resp: 44957
Ion Ratio Lower Upper
330 100
332 96.8 78.2 117.4
141 36.9 30.6 45.8

Manual Integrations

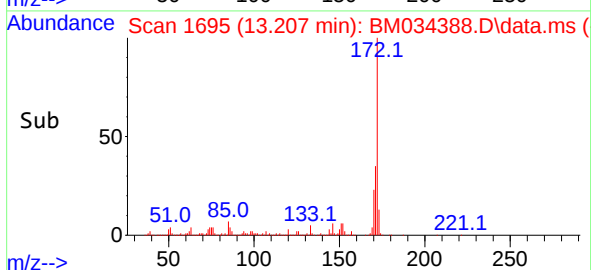
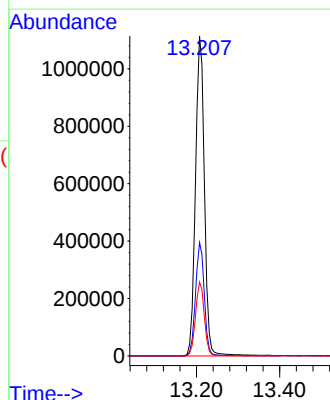
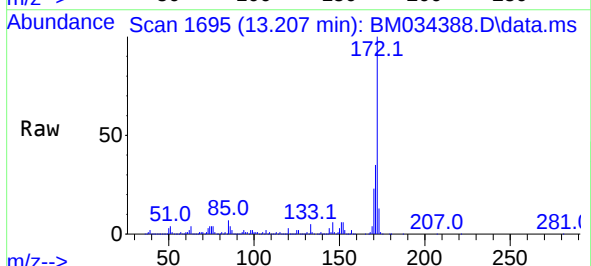
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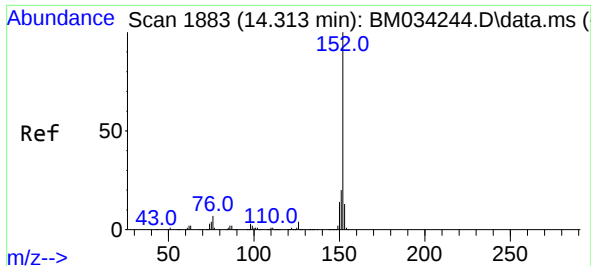
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022



#45
2-Fluorobiphenyl
Concen: 73.593 ng
RT: 13.207 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

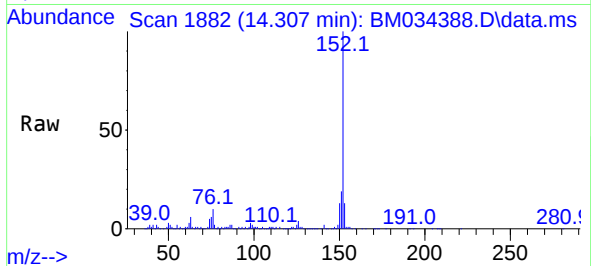
Tgt Ion:172 Resp: 1673015
Ion Ratio Lower Upper
172 100
171 35.5 28.0 42.0
170 23.1 18.6 28.0





#49
Acenaphthylene
Concen: 6.145 ng
RT: 14.307 min Scan# 1882
Delta R.T. 0.000 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

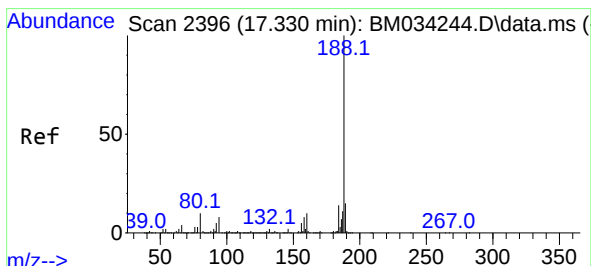
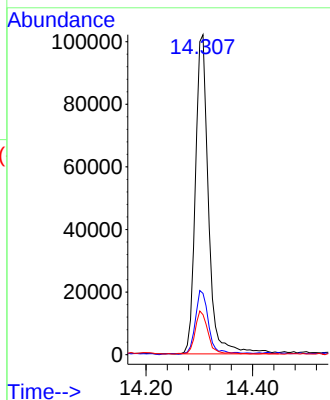
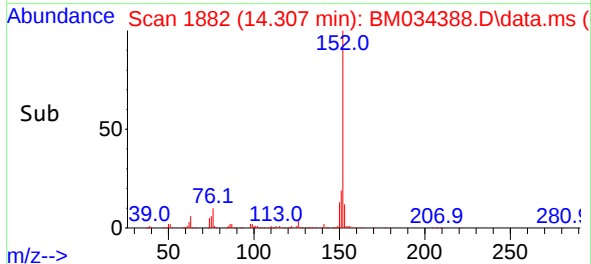
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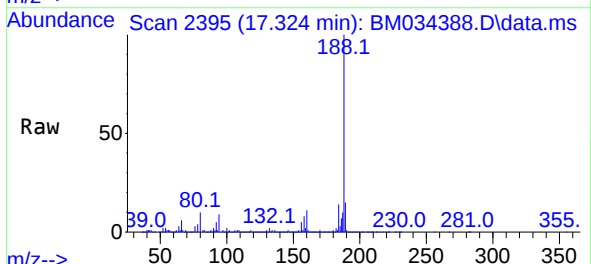
Tgt Ion:152 Resp: 17414
Ion Ratio Lower Upper
152 100
151 19.1 15.9 23.9
153 12.5 10.6 16.0

Manual Integrations
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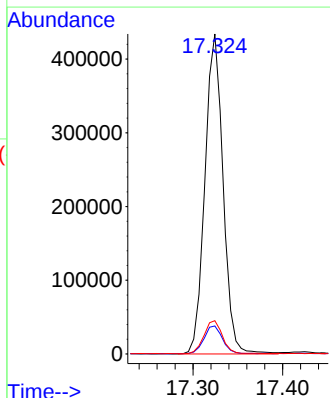
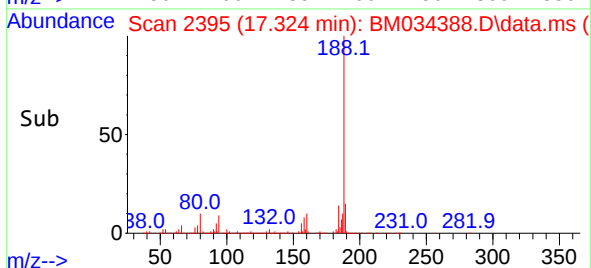
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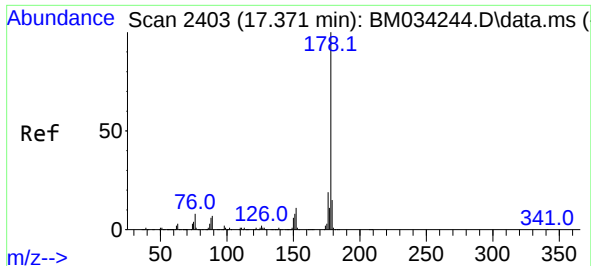


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 2395
Delta R.T. 0.006 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01



Tgt Ion:188 Resp: 610458
Ion Ratio Lower Upper
188 100
94 8.7 6.6 9.8
80 10.4 7.8 11.8





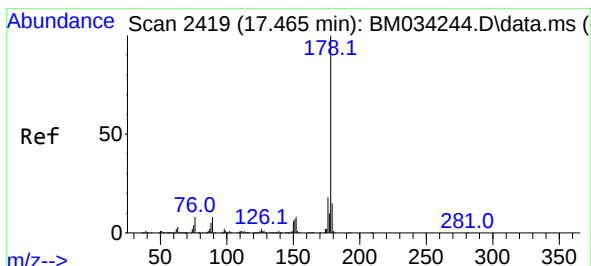
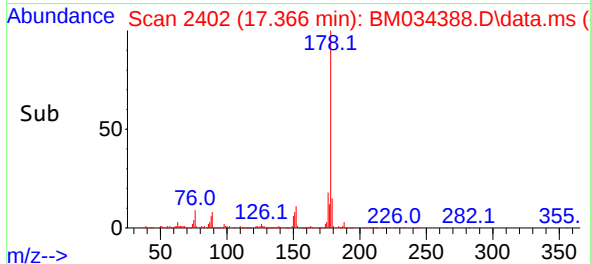
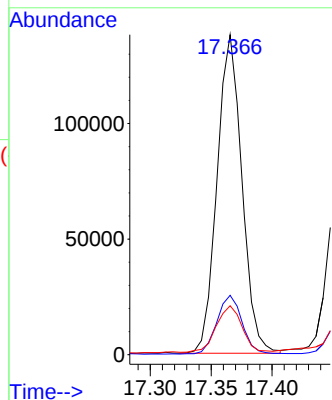
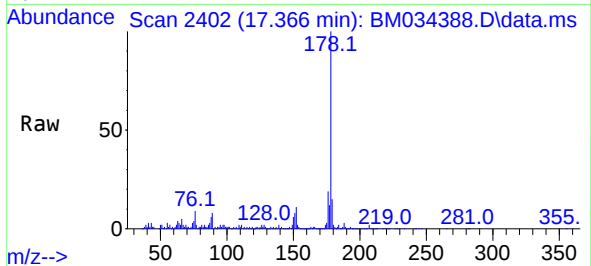
#71
Phenanthrene
Concen: 5.724 ng
RT: 17.366 min Scan# 2403
Delta R.T. 0.000 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

Instrument :
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ClientSampleId :
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Tgt Ion:178 Resp: 19570
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 15.3 12.2 18.4

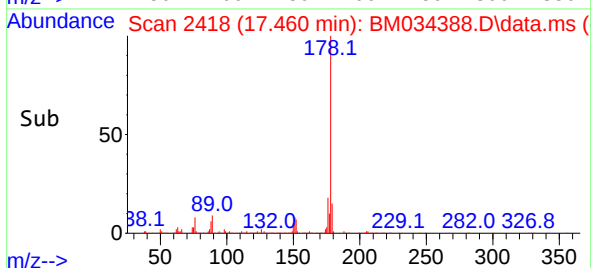
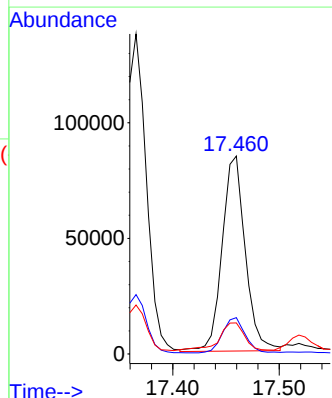
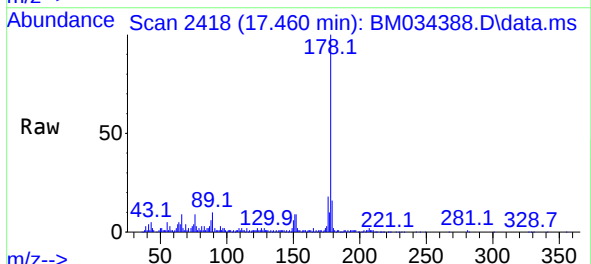
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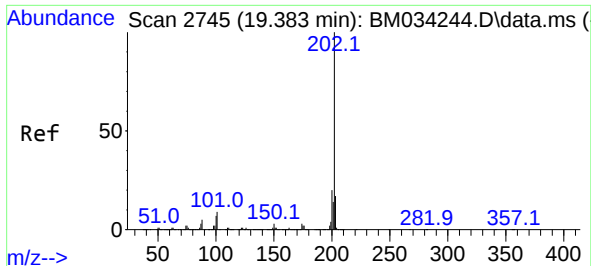
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022



#72
Anthracene
Concen: 3.845 ng
RT: 17.460 min Scan# 2418
Delta R.T. 0.006 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

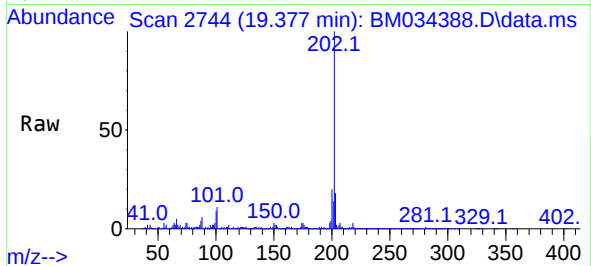
Tgt Ion:178 Resp: 127949
Ion Ratio Lower Upper
178 100
176 18.3 14.6 22.0
179 15.7 12.2 18.2





#75
Fluoranthene
Concen: 13.054 ng
RT: 19.377 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

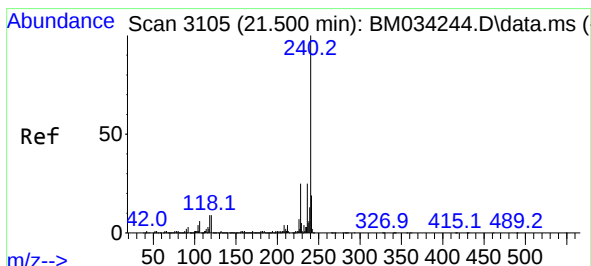
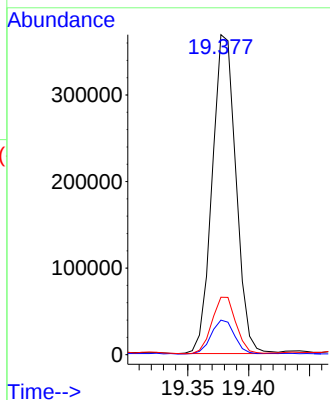
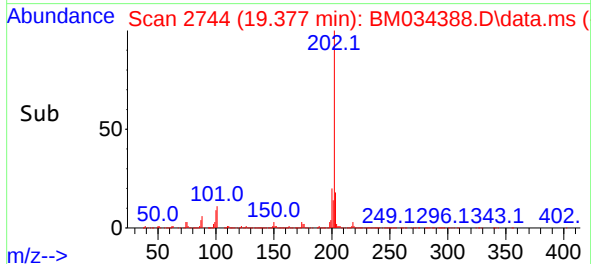
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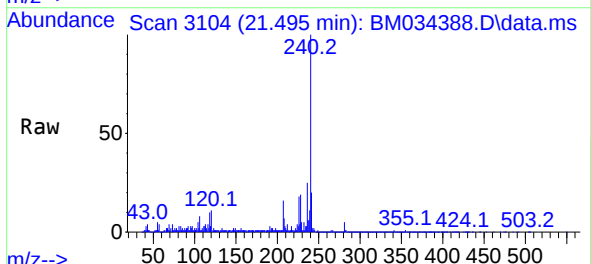
Tgt Ion:202 Resp: 500298
Ion Ratio Lower Upper
202 100
101 10.8 0.0 29.4
203 18.0 0.0 37.1

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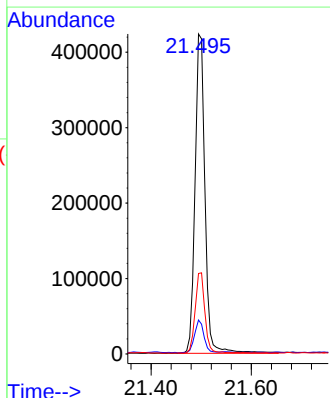
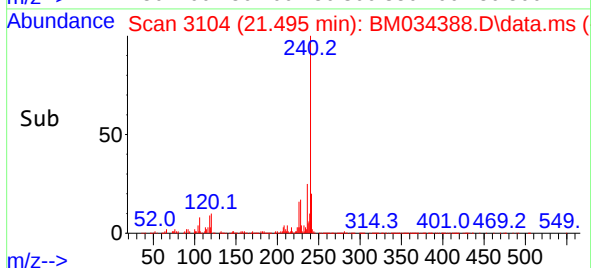
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022

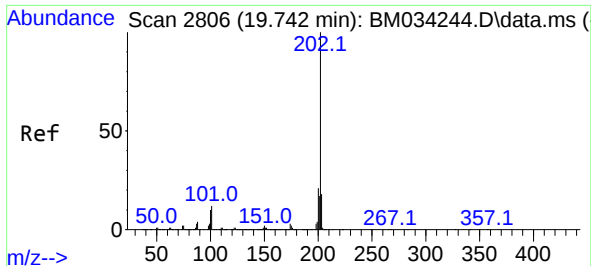


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.495 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01



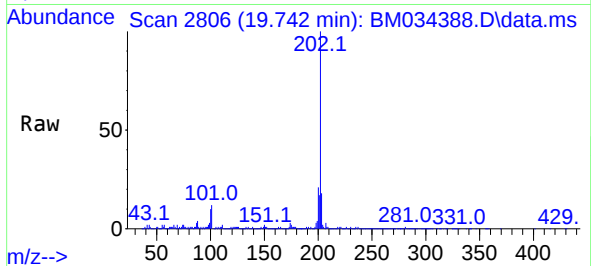
Tgt Ion:240 Resp: 582650
Ion Ratio Lower Upper
240 100
120 10.6 7.3 10.9
236 25.2 20.2 30.2





#78
Pyrene
Concen: 15.363 ng
RT: 19.742 min Scan# 2806
Delta R.T. 0.006 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

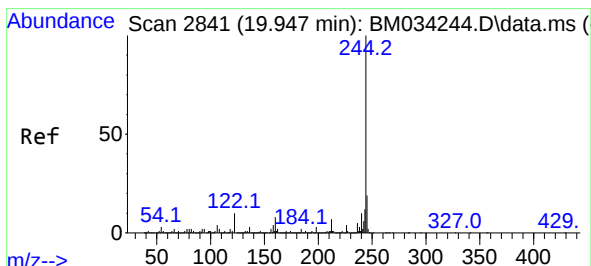
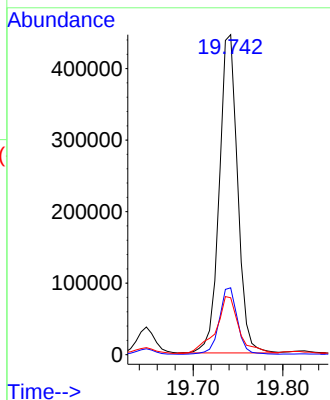
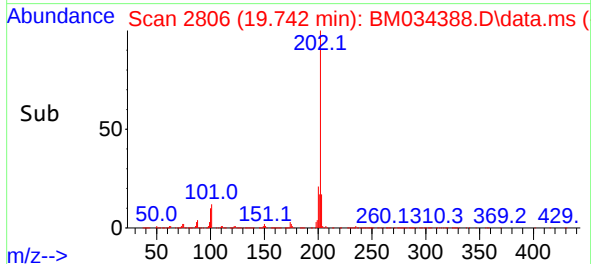
Instrument :
BNA_M
ClientSampleId :
CHRT-2001



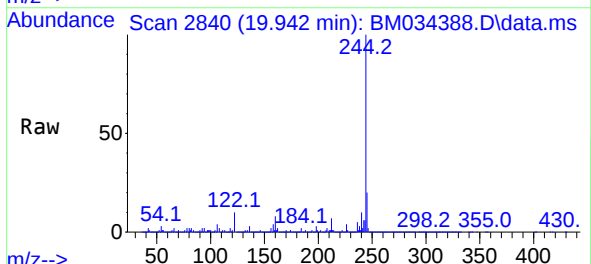
Tgt Ion:202 Resp: 630660
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 17.8 14.1 21.1

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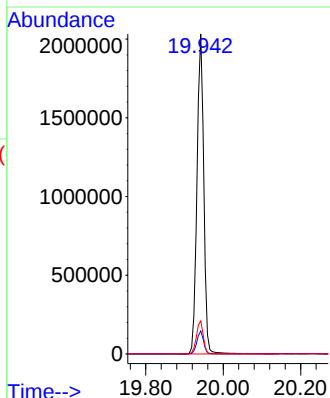
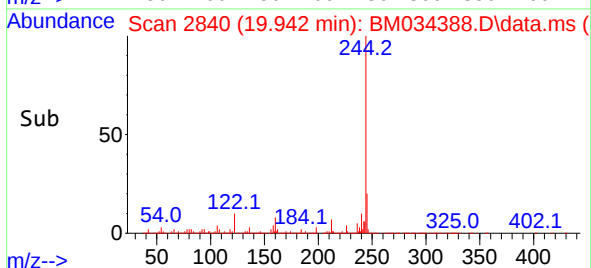
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022

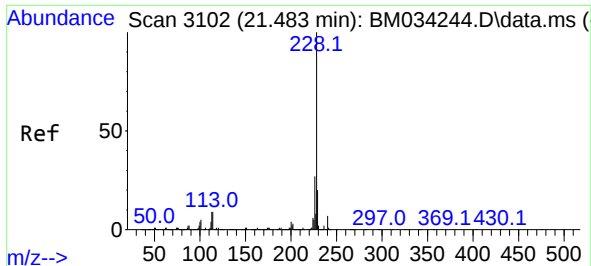


#79
Terphenyl-d14
Concen: 73.408 ng
RT: 19.942 min Scan# 2840
Delta R.T. 0.006 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01



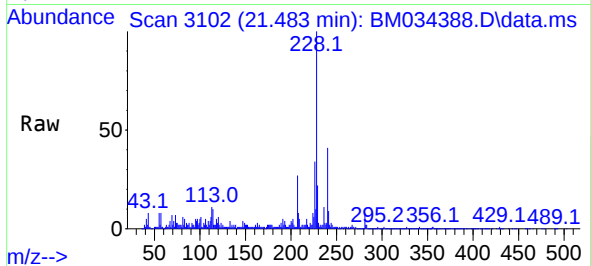
Tgt Ion:244 Resp: 2461489
Ion Ratio Lower Upper
244 100
212 7.2 5.9 8.9
122 10.3 7.8 11.8





#81
Benzo(a)anthracene
Concen: 8.077 ng m
RT: 21.483 min Scan# 3102
Delta R.T. 0.006 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

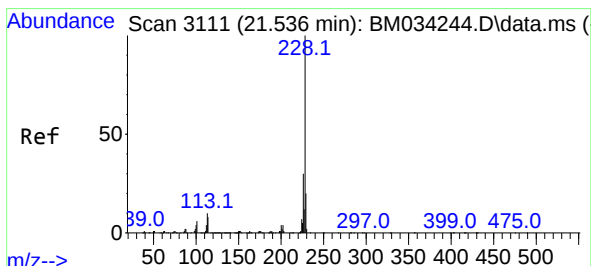
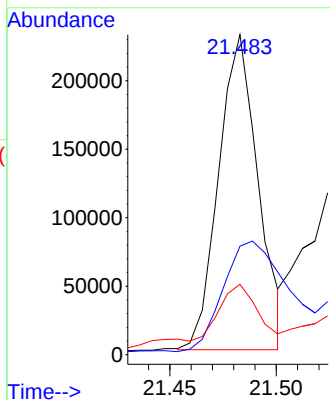
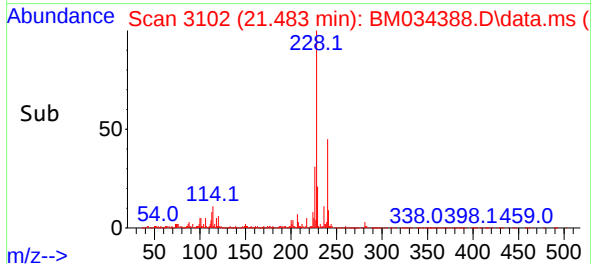
Instrument :
BNA_M
ClientSampleId :
CHRT-2001



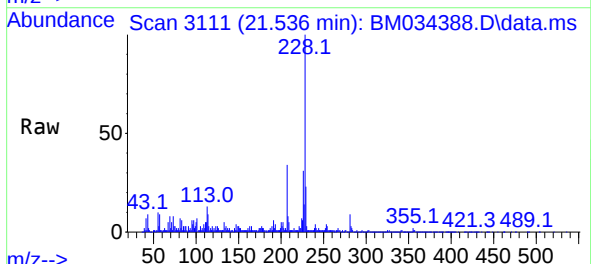
Tgt Ion:228 Resp: 297019
Ion Ratio Lower Upper
228 100
226 33.9 21.6 32.4
229 22.0 15.8 23.6

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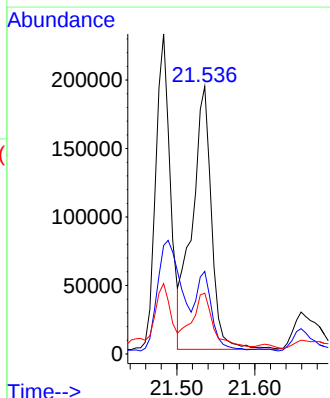
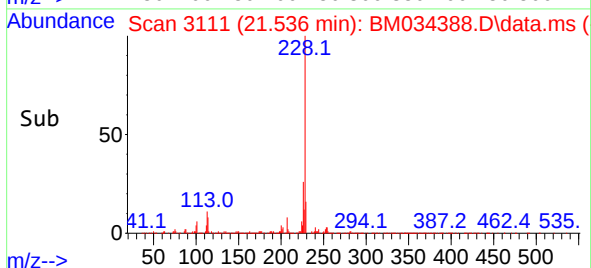
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022

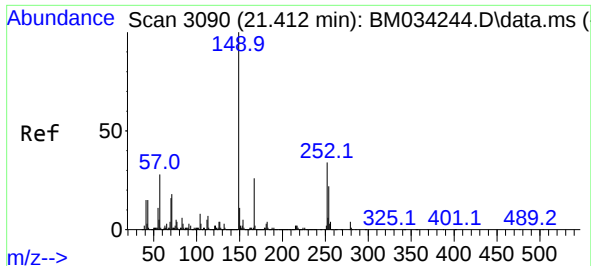


#83
Chrysene
Concen: 8.867 ng m
RT: 21.536 min Scan# 3111
Delta R.T. 0.000 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01



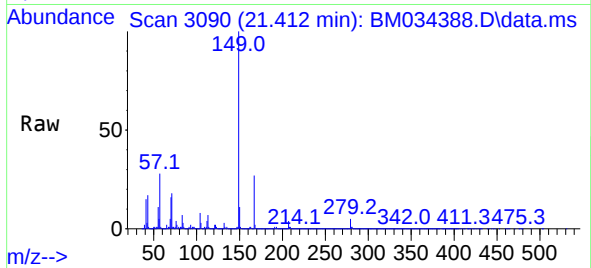
Tgt Ion:228 Resp: 332999
Ion Ratio Lower Upper
228 100
226 30.9 23.8 35.6
229 22.7 15.6 23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 70.039 ng
RT: 21.412 min Scan# 3090
Delta R.T. 0.006 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

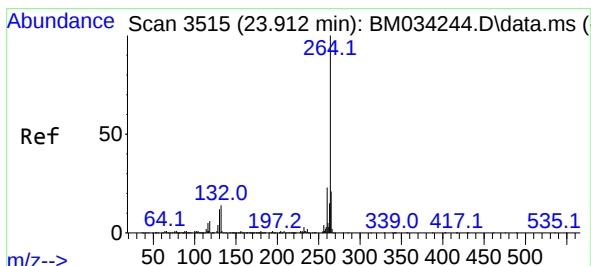
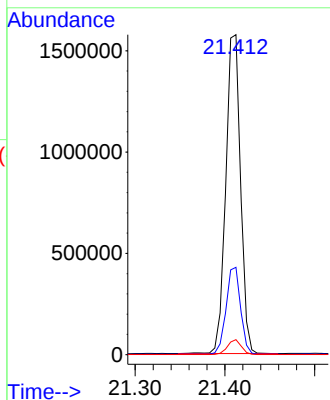
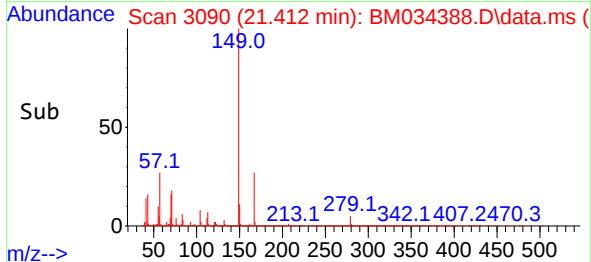
Instrument :
BNA_M
ClientSampleId :
CHRT-2001



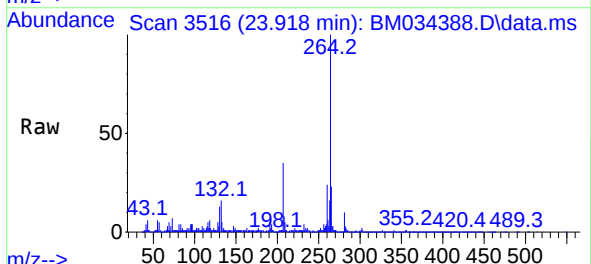
Tgt Ion:149 Resp: 179557
Ion Ratio Lower Upper
149 100
167 27.3 21.2 31.8
279 4.7 3.4 5.2

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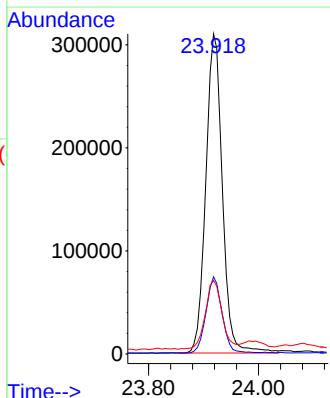
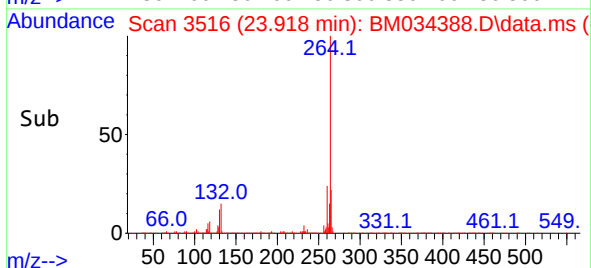
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022

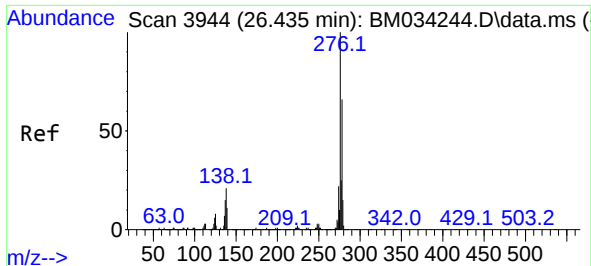


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.918 min Scan# 3516
Delta R.T. 0.012 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01



Tgt Ion:264 Resp: 648011
Ion Ratio Lower Upper
264 100
260 24.1 18.6 28.0
265 23.0 17.6 26.4





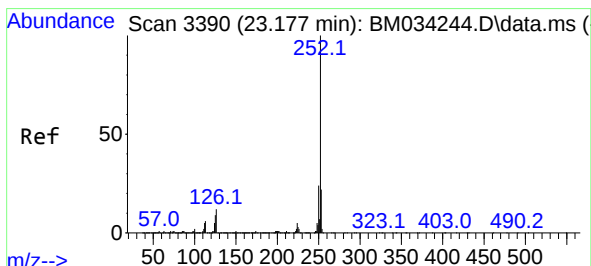
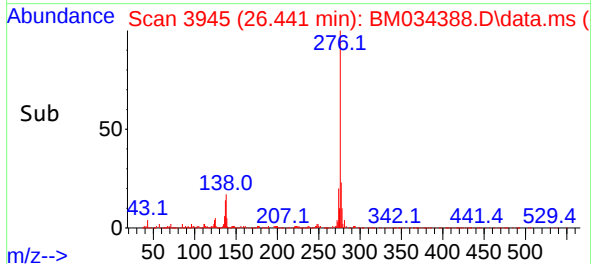
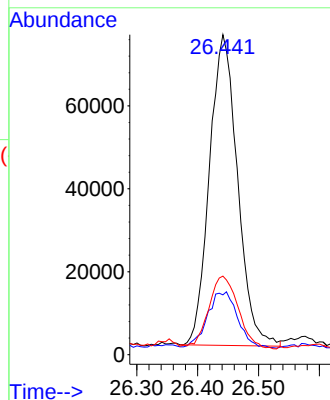
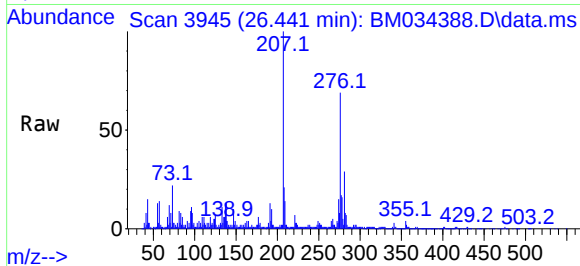
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.765 ng
RT: 26.441 min Scan# 3945
Delta R.T. 0.018 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

Instrument :
BNA_M
ClientSampleId :
CHRT-2001

Tgt Ion:276 Resp: 240319
Ion Ratio Lower Upper
276 100
138 19.6 16.6 25.0
277 24.7 19.8 29.6

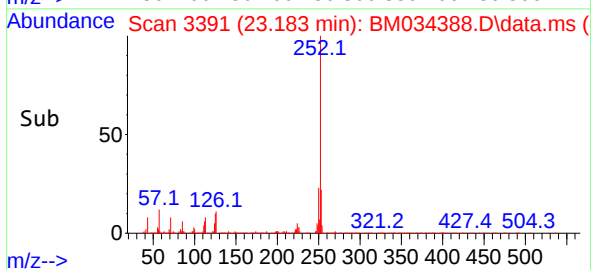
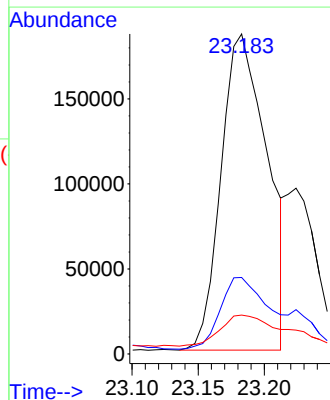
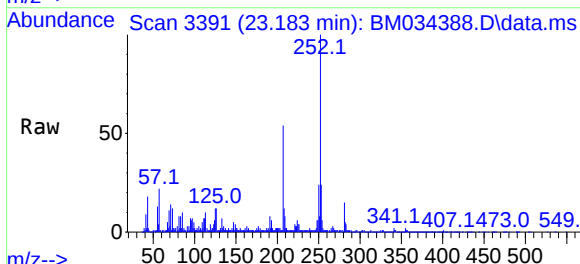
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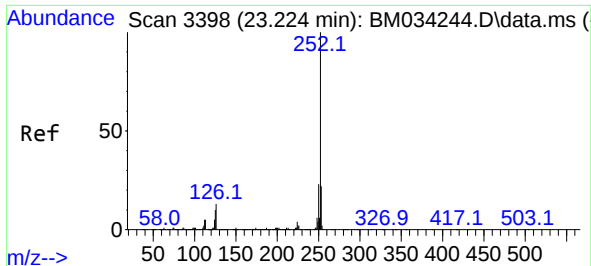
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022



#88
Benzo(b)fluoranthene
Concen: 11.602 ng m
RT: 23.183 min Scan# 3391
Delta R.T. 0.012 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

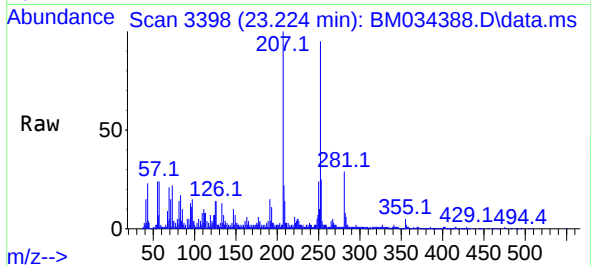
Tgt Ion:252 Resp: 449586
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 12.1 7.2 10.8#





#89
Benzo(k)fluoranthene
Concen: 3.779 ng m
RT: 23.224 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

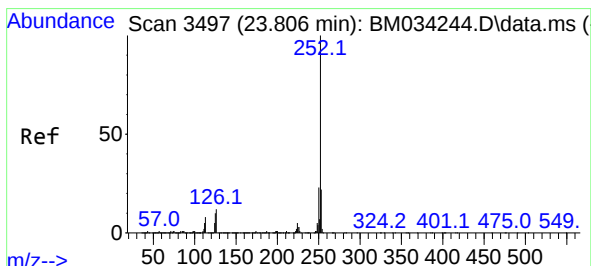
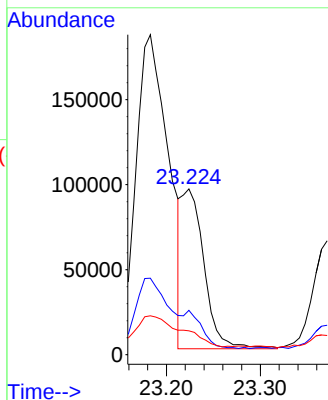
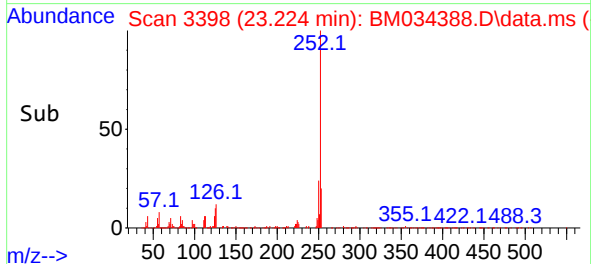
Instrument :
BNA_M
ClientSampleId :
CHRT-2001



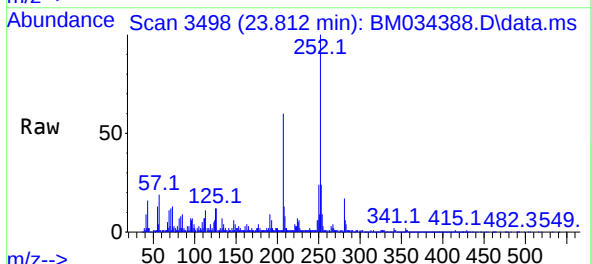
Tgt Ion:252 Resp: 155100
Ion Ratio Lower Upper
252 100
253 26.7 17.6 26.4
125 14.4 7.5 11.3

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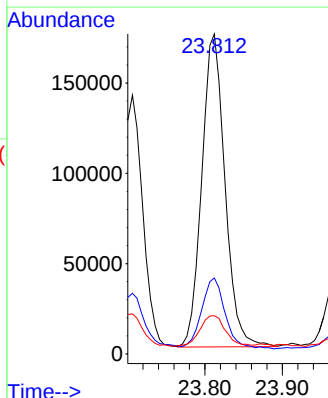
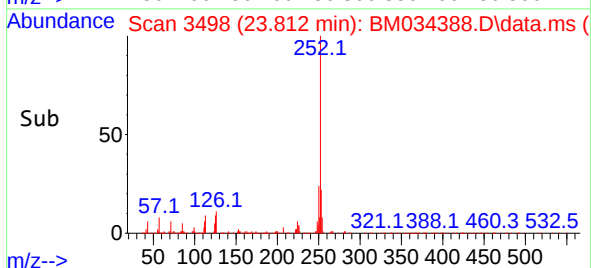
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022

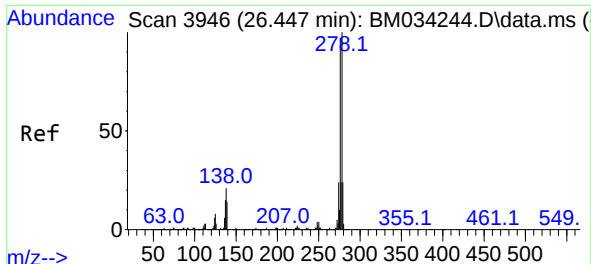


#90
Benzo(a)pyrene
Concen: 10.962 ng
RT: 23.812 min Scan# 3498
Delta R.T. 0.012 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01



Tgt Ion:252 Resp: 360097
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 12.0 7.8 11.6





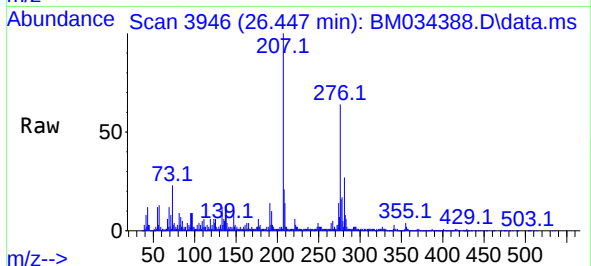
#91
Dibenzo(a,h)anthracene
Concen: 2.003 ng
RT: 26.447 min Scan# 3946
Delta R.T. 0.006 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

Instrument :

BNA_M

ClientSampleId :

CHRT-2001

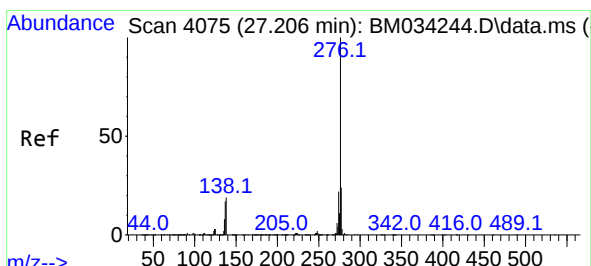
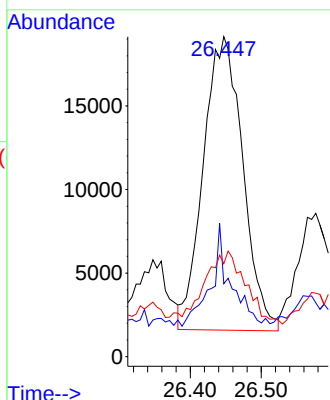
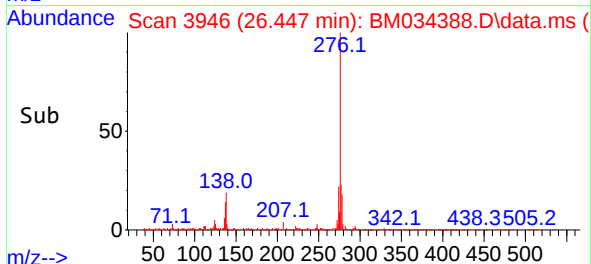


Tgt Ion:278 Resp: 6771
Ion Ratio Lower Upper
278 100
139 22.8 11.2 16.8
279 29.0 19.2 28.8

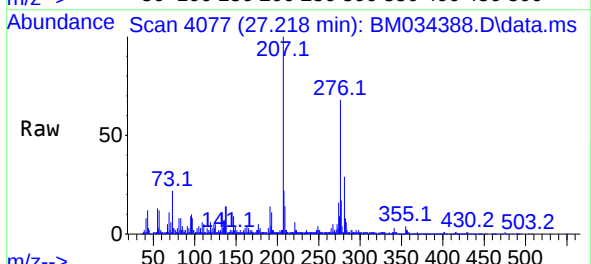
Manual Integrations

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



#92
Benzo(g,h,i)perylene
Concen: 7.672 ng
RT: 27.218 min Scan# 4077
Delta R.T. 0.018 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01



Tgt Ion:276 Resp: 268398
Ion Ratio Lower Upper
276 100
277 24.8 19.0 28.4
138 19.8 15.6 23.4

