

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080922\
 Data File : BM036185.D
 Acq On : 09 Aug 2022 21:18
 Operator : CG/JU
 Sample : N3962-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RVE-190

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/10/2022
 Supervised By : Jagrut Upadhyay 08/10/2022

Quant Time: Aug 10 03:39:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 23:36:56 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.839	152	221743	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	884793	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	517402	20.000	ng	-0.01
64) Phenanthrene-d10	17.227	188	1080007	20.000	ng	0.00
76) Chrysene-d12	21.409	240	1081014	20.000	ng	-0.01
86) Perylene-d12	23.762	264	1125779	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1418693	103.727	ng	0.00
7) Phenol-d6	7.051	99	1747016	100.385	ng	-0.01
23) Nitrobenzene-d5	9.010	82	1052632	66.595	ng	-0.01
42) 2,4,6-Tribromophenol	15.974	330	652206	107.451	ng	-0.01
45) 2-Fluorobiphenyl	13.110	172	2242069	63.980	ng	-0.01
79) Terphenyl-d14	19.850	244	3546323	64.707	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.210	152	172664	3.870	ng	99
71) Phenanthrene	17.268	178	166665	3.029	ng	99
75) Fluoranthene	19.280	202	388172	6.302	ng	97
78) Pyrene	19.645	202	578971	8.637	ng	99
81) Benzo(a)anthracene	21.392	228	285848	4.293	ng	93
83) Chrysene	21.444	228	345993m	5.466	ng	
87) Indeno(1,2,3-cd)pyrene	26.203	276	229958	2.907	ng	# 93
88) Benzo(b)fluoranthene	23.044	252	407023m	6.171	ng	
89) Benzo(k)fluoranthene	23.086	252	148463m	2.229	ng	
90) Benzo(a)pyrene	23.656	252	333518	6.027	ng	# 94
92) Benzo(g,h,i)perylene	26.956	276	275858	4.303	ng	96

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

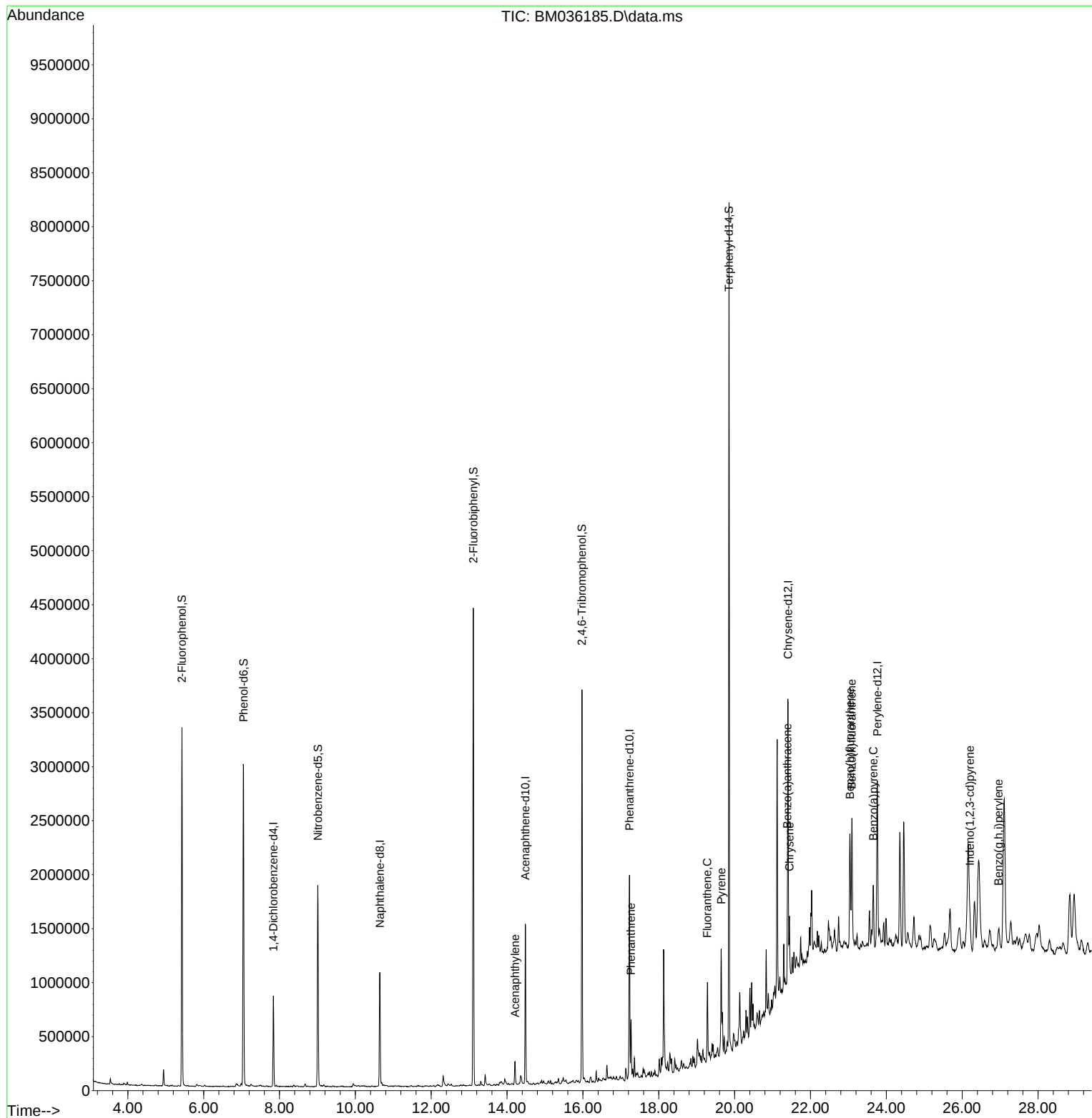
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080922\
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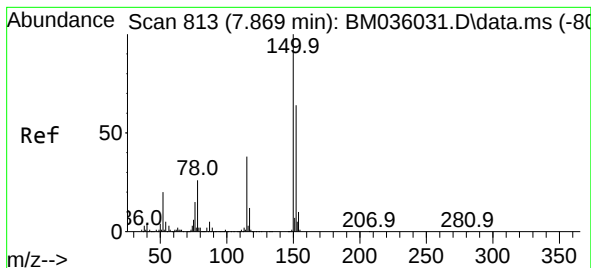
Instrument :
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Quant Time: Aug 10 03:39:22 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
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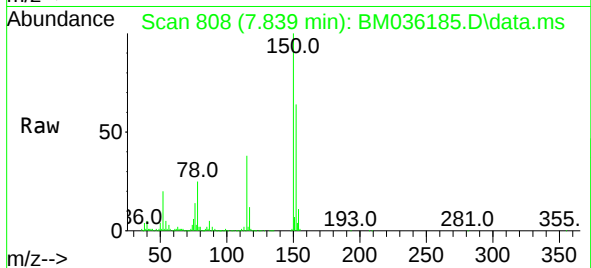
Reviewed By : Christian Giraldo 08/10/2022
Supervised By : Jagrut Upadhyay 08/10/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM036185.D
Acq: 09 Aug 2022 21:18

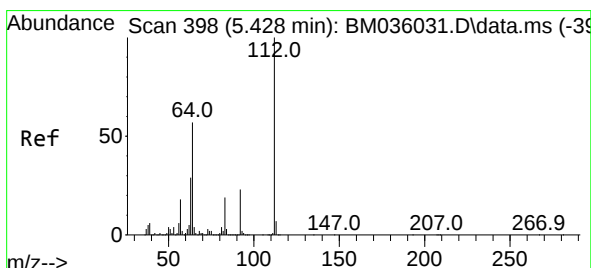
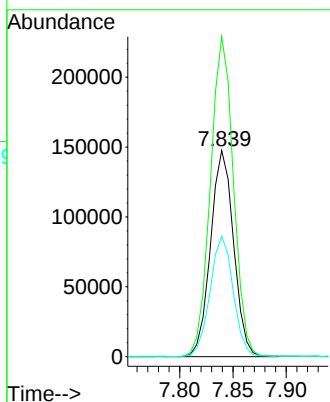
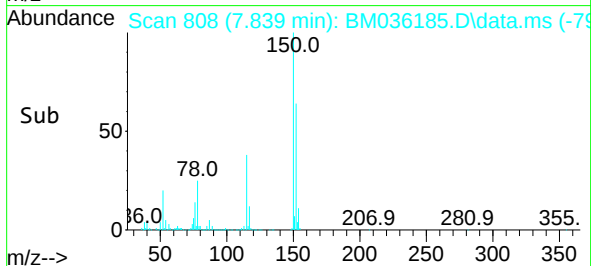
Instrument :
BNA_M
ClientSampleId :
RVE-190



Tgt Ion:152 Resp: 22174
Ion Ratio Lower Upper
152 100
150 155.3 124.9 187.3
115 58.5 47.9 71.9

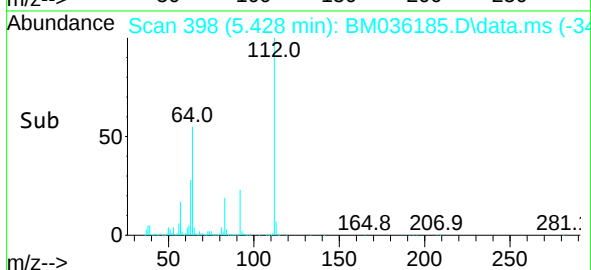
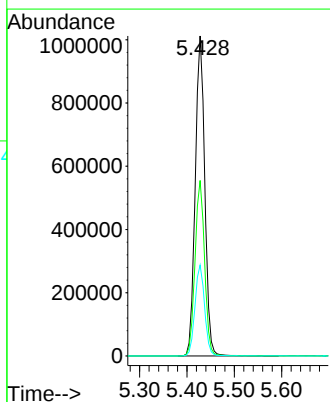
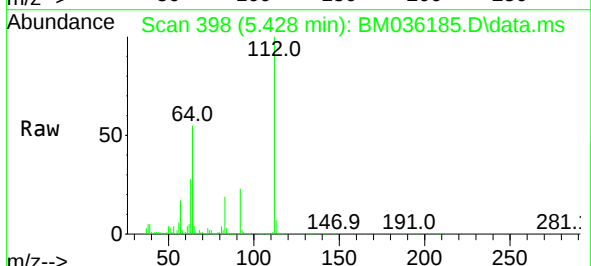
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Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#5
2-Fluorophenol
Concen: 103.727 ng
RT: 5.428 min Scan# 398
Delta R.T. -0.006 min
Lab File: BM036185.D
Acq: 09 Aug 2022 21:18

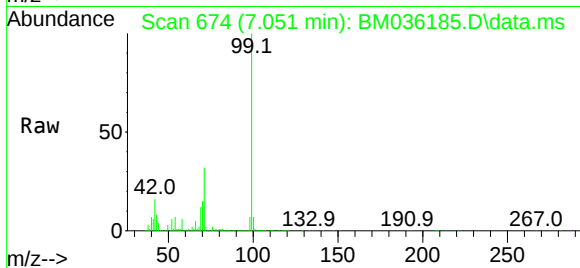
Tgt Ion:112 Resp: 1418693
Ion Ratio Lower Upper
112 100
64 54.8 47.8 71.6
63 28.4 26.6 40.0





#7
Phenol-d6
Concen: 100.385 ng
RT: 7.051 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM036185.D
Acq: 09 Aug 2022 21:18

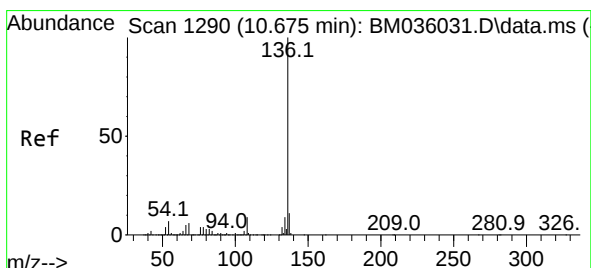
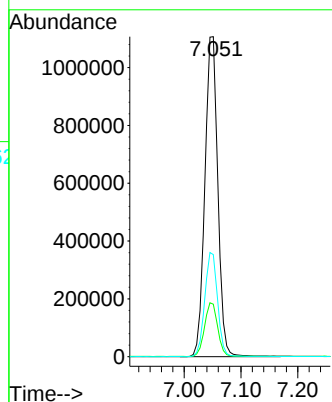
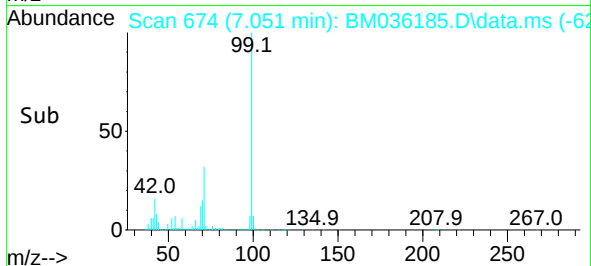
Instrument :
BNA_M
ClientSampleId :
RVE-190



Tgt Ion: 99 Resp: 1747010
Ion Ratio Lower Upper
99 100
42 16.4 18.8 28.2
71 31.9 30.2 45.2

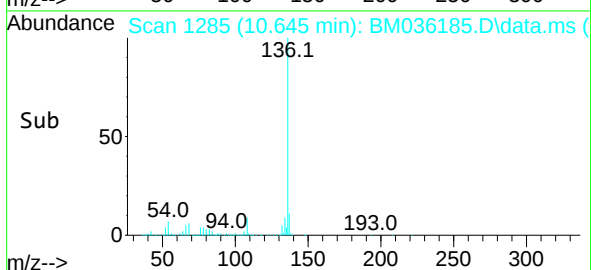
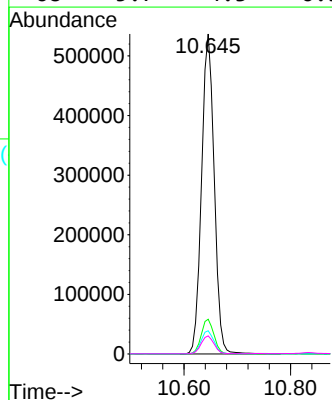
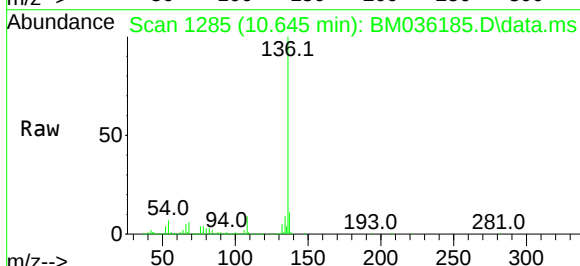
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1285
Delta R.T. -0.006 min
Lab File: BM036185.D
Acq: 09 Aug 2022 21:18

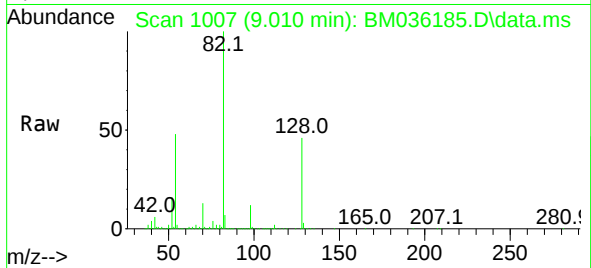
Tgt Ion:136 Resp: 884793
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.3 7.0 10.4
68 5.7 4.3 6.5





#23
Nitrobenzene-d5
Concen: 66.595 ng
RT: 9.010 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BM036185.D
Acq: 09 Aug 2022 21:18

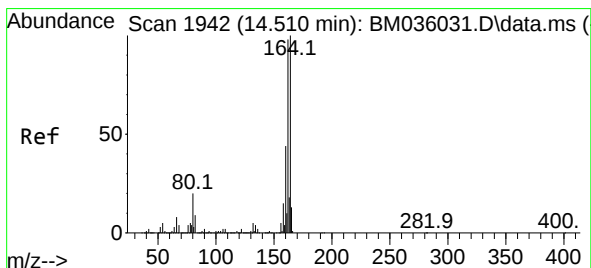
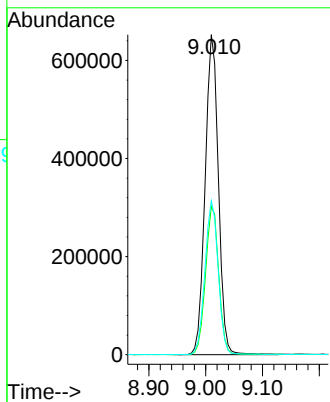
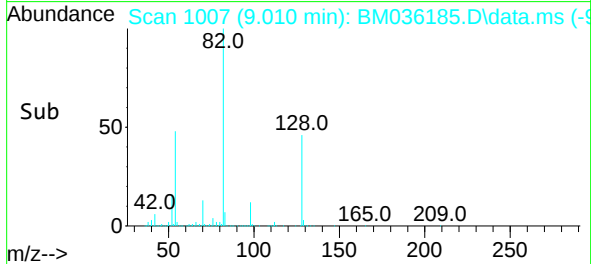
Instrument :
BNA_M
ClientSampleId :
RVE-190



Tgt Ion: 82 Resp: 105263
Ion Ratio Lower Upper
82 100
128 46.3 33.7 50.5
54 48.1 43.2 64.8

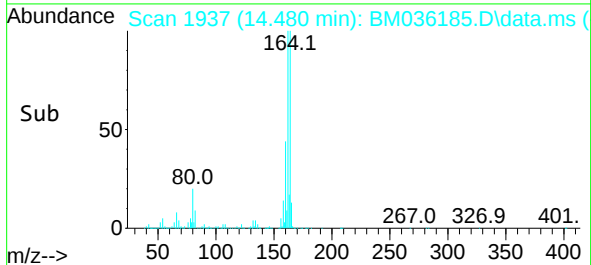
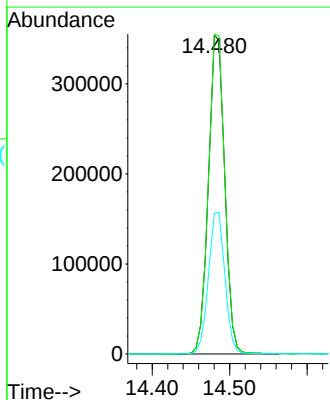
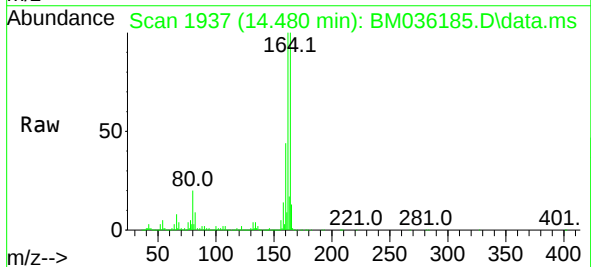
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1937
Delta R.T. -0.012 min
Lab File: BM036185.D
Acq: 09 Aug 2022 21:18

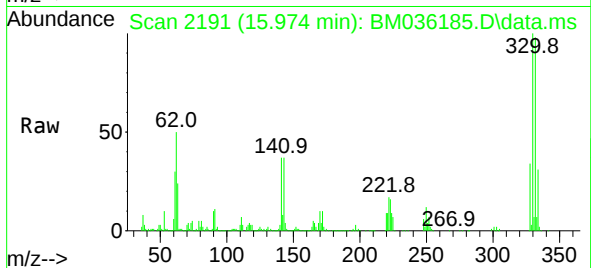
Tgt Ion:164 Resp: 517402
Ion Ratio Lower Upper
164 100
162 100.4 83.0 124.6
160 44.1 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 107.451 ng
RT: 15.974 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BM036185.D
Acq: 09 Aug 2022 21:18

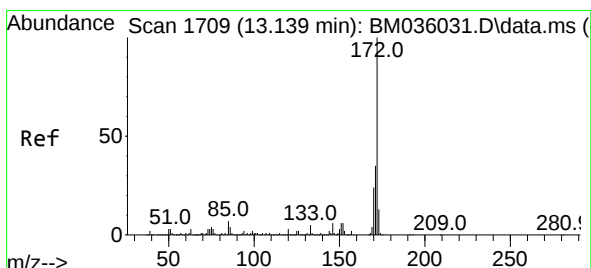
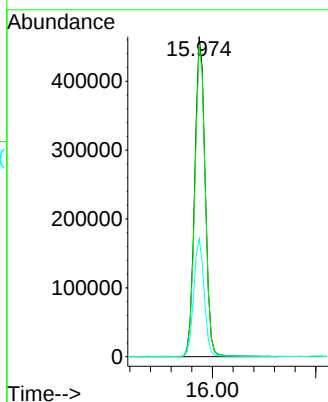
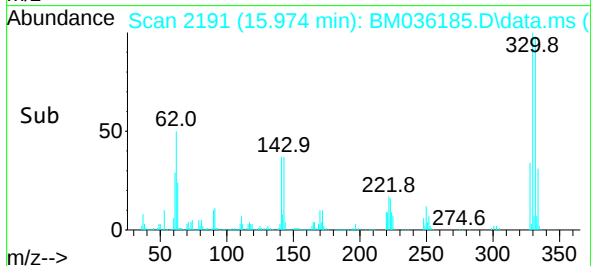
Instrument :
BNA_M
ClientSampleId :
RVE-190



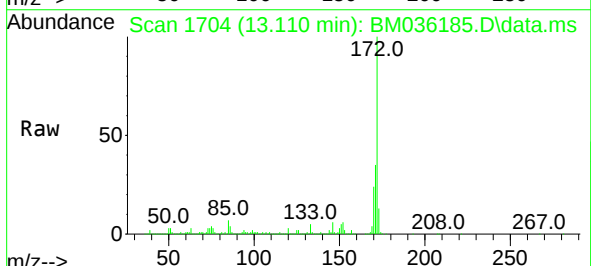
Tgt Ion:330 Resp: 652200
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.4
141 36.9 35.3 52.9

Manual Integrations
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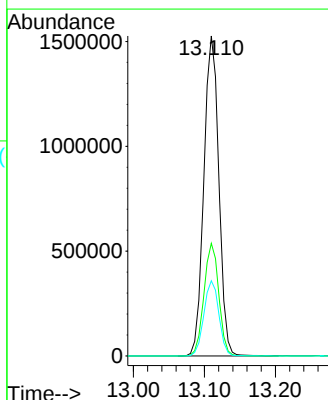
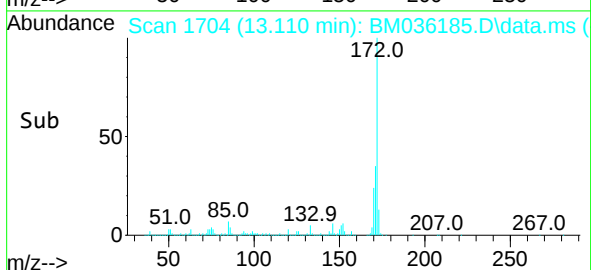
Reviewed By :Christian Giraldo 08/10/2022
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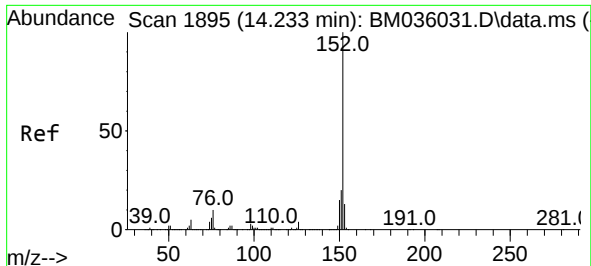


#45
2-Fluorobiphenyl
Concen: 63.980 ng
RT: 13.110 min Scan# 1704
Delta R.T. -0.012 min
Lab File: BM036185.D
Acq: 09 Aug 2022 21:18



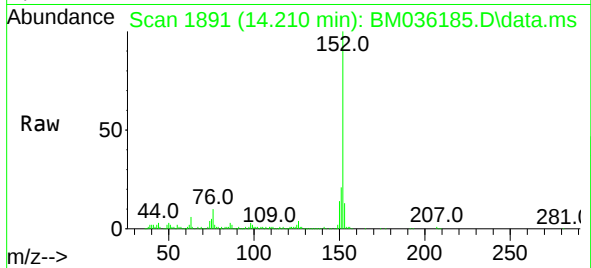
Tgt Ion:172 Resp: 2242069
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.5 18.7 28.1





#49
Acenaphthylene
Concen: 3.870 ng
RT: 14.210 min Scan# 1891
Delta R.T. -0.006 min
Lab File: BM036185.D
Acq: 09 Aug 2022 21:18

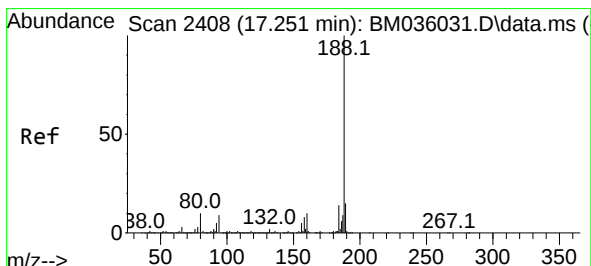
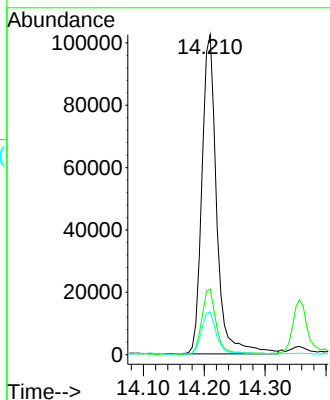
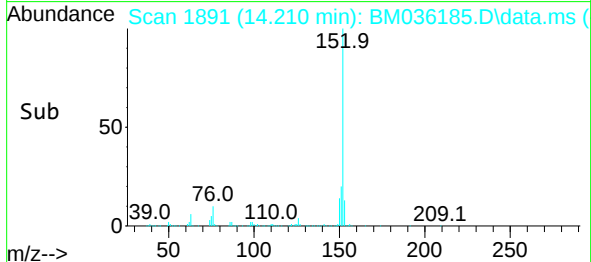
Instrument :
BNA_M
ClientSampleId :
RVE-190



Tgt Ion:152 Resp: 172664
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.2
153 13.3 10.5 15.7

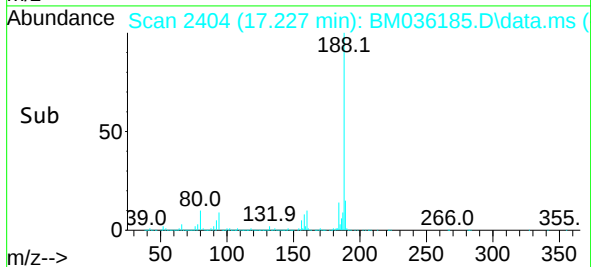
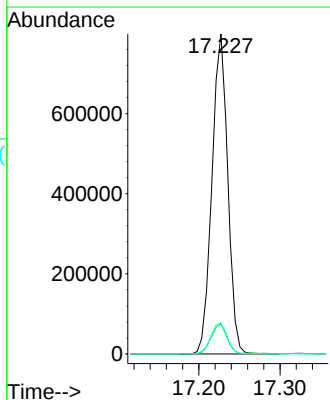
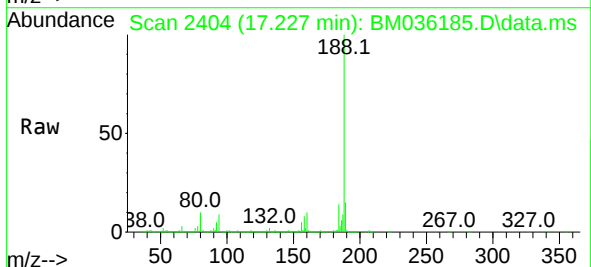
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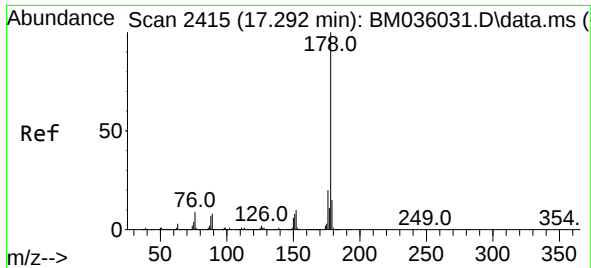
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2404
Delta R.T. -0.006 min
Lab File: BM036185.D
Acq: 09 Aug 2022 21:18

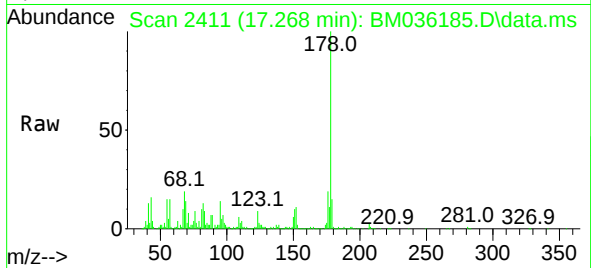
Tgt Ion:188 Resp: 1080007
Ion Ratio Lower Upper
188 100
94 9.3 7.0 10.4
80 9.7 7.6 11.4





#71
Phenanthrene
Concen: 3.029 ng
RT: 17.268 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BM036185.D
Acq: 09 Aug 2022 21:18

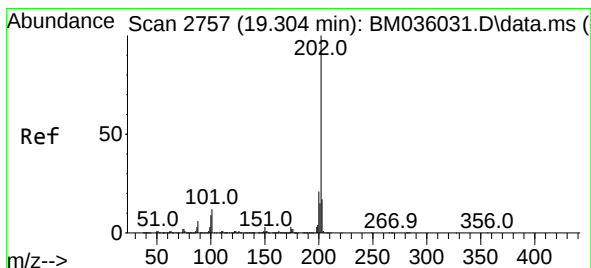
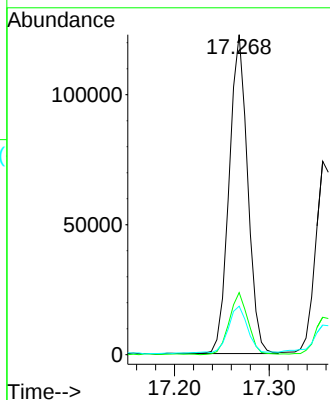
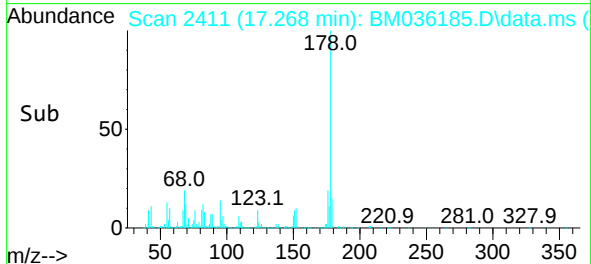
Instrument :
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RVE-190



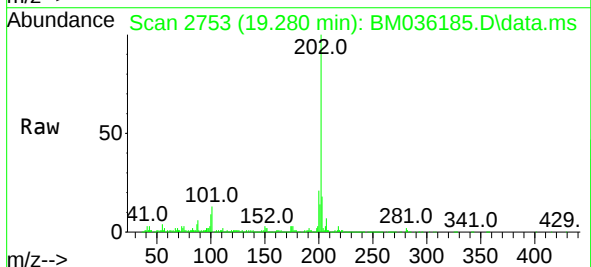
Tgt Ion:178 Resp: 16666
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.2 12.4 18.6

Manual Integrations
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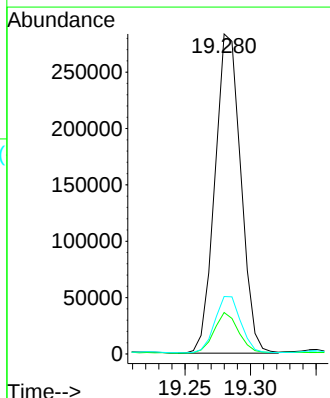
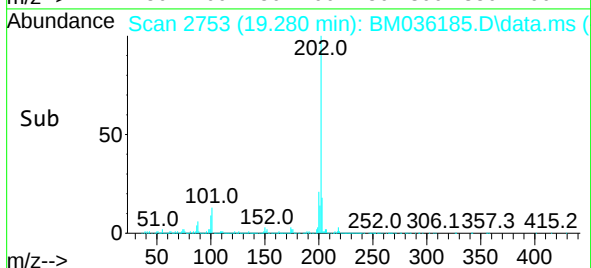
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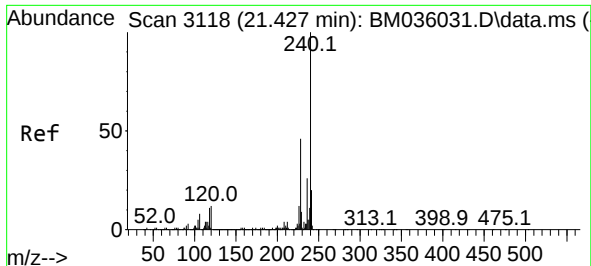


#75
Fluoranthene
Concen: 6.302 ng
RT: 19.280 min Scan# 2753
Delta R.T. -0.012 min
Lab File: BM036185.D
Acq: 09 Aug 2022 21:18



Tgt Ion:202 Resp: 388172
Ion Ratio Lower Upper
202 100
101 13.0 0.0 30.6
203 18.0 0.0 37.4





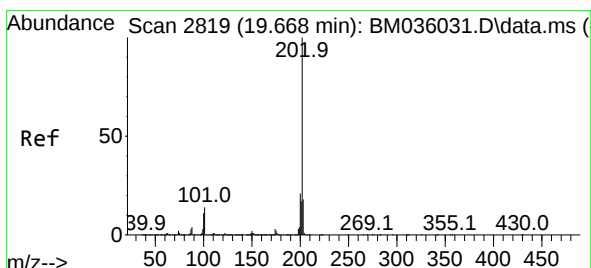
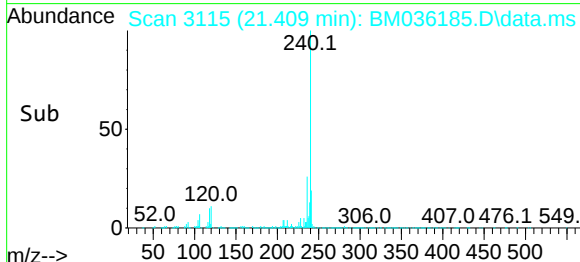
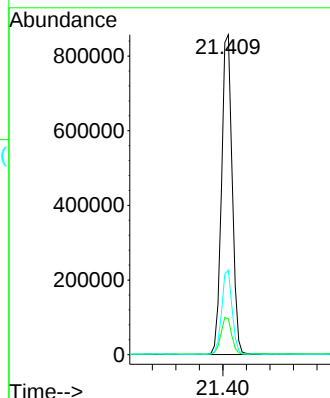
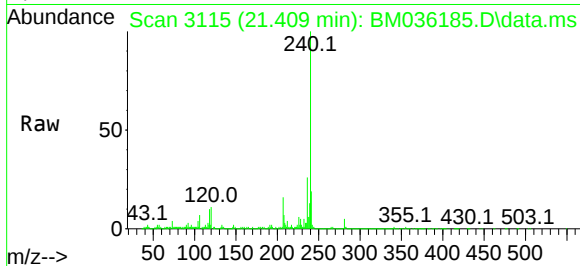
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.409 min Scan# 3118
Delta R.T. -0.012 min
Lab File: BM036185.D
Acq: 09 Aug 2022 21:18

Instrument :
BNA_M
ClientSampleId :
RVE-190

Tgt Ion:240 Resp: 1081014
Ion Ratio Lower Upper
240 100
120 11.2 9.4 14.0
236 26.4 20.6 30.8

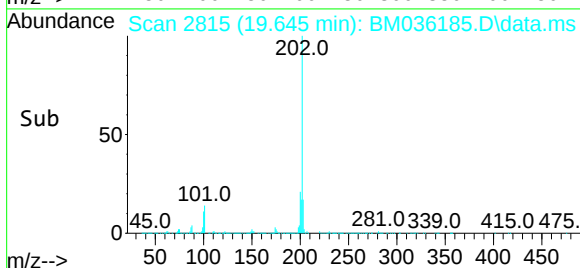
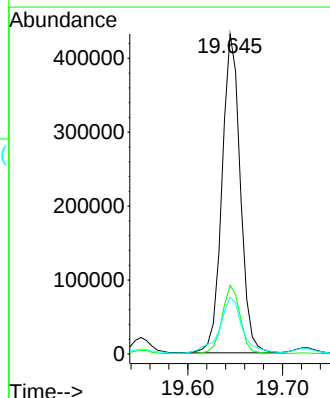
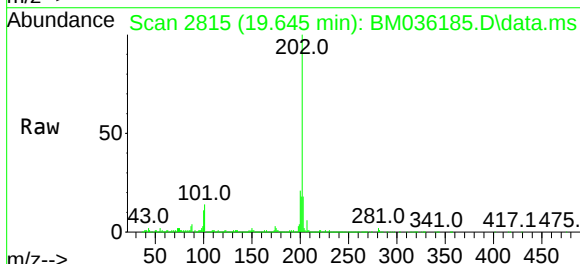
Manual Integrations
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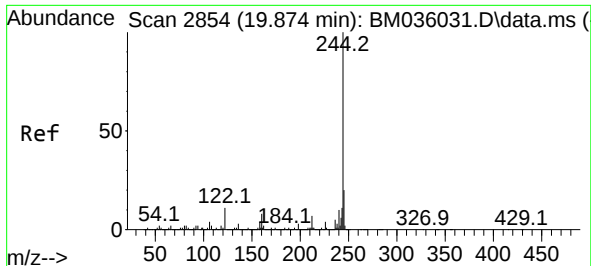
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#78
Pyrene
Concen: 8.637 ng
RT: 19.645 min Scan# 2815
Delta R.T. -0.012 min
Lab File: BM036185.D
Acq: 09 Aug 2022 21:18

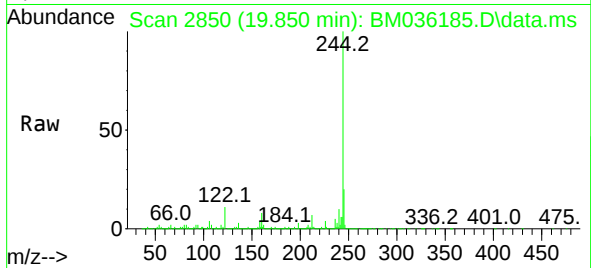
Tgt Ion:202 Resp: 578971
Ion Ratio Lower Upper
202 100
200 21.5 16.7 25.1
203 17.7 13.9 20.9





#79
Terphenyl-d14
Concen: 64.707 ng
RT: 19.850 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM036185.D
Acq: 09 Aug 2022 21:18

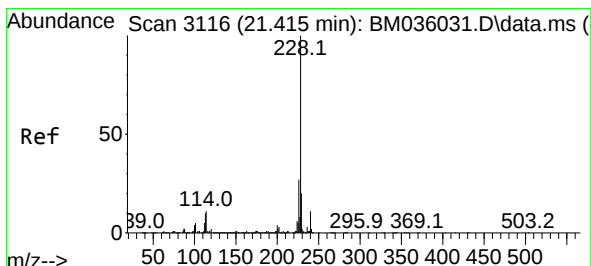
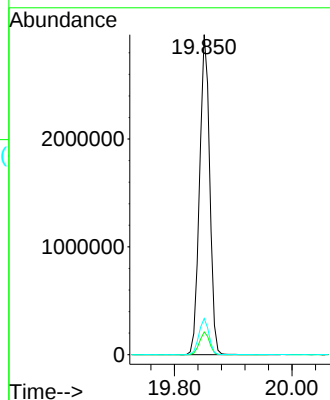
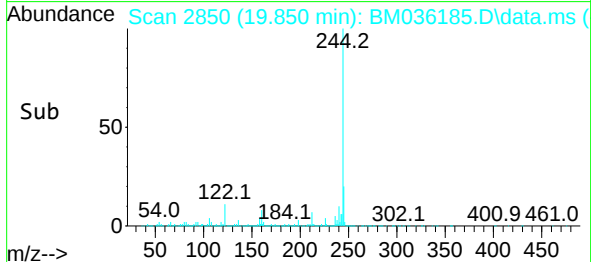
Instrument :
BNA_M
ClientSampleId :
RVE-190



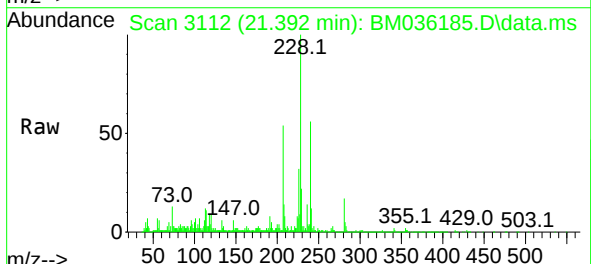
Tgt Ion:244 Resp: 354632
Ion Ratio Lower Upper
244 100
212 7.1 6.2 9.4
122 11.3 8.3 12.5

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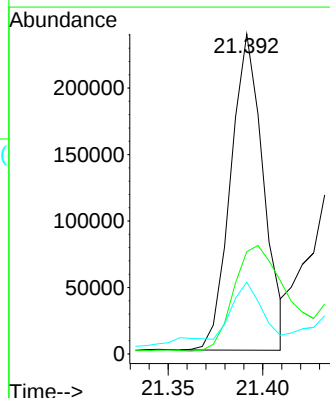
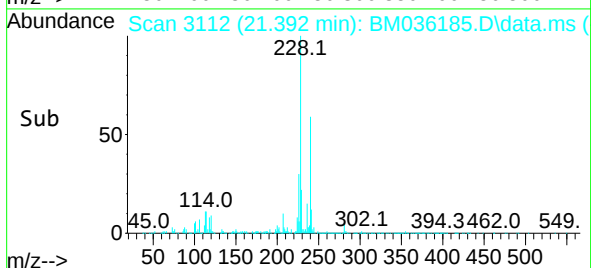
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

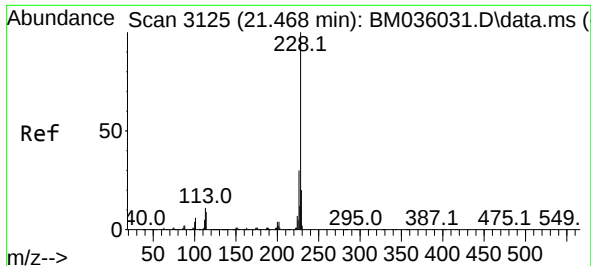


#81
Benzo(a)anthracene
Concen: 4.293 ng
RT: 21.392 min Scan# 3112
Delta R.T. -0.012 min
Lab File: BM036185.D
Acq: 09 Aug 2022 21:18



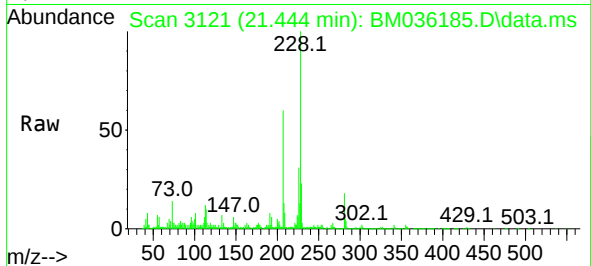
Tgt Ion:228 Resp: 285848
Ion Ratio Lower Upper
228 100
226 32.0 22.3 33.5
229 22.5 15.8 23.6





#83
Chrysene
Concen: 5.466 ng m
RT: 21.444 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM036185.D
Acq: 09 Aug 2022 21:18

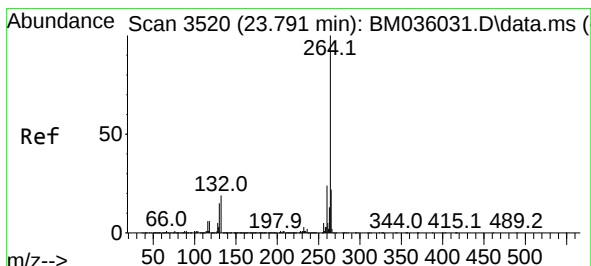
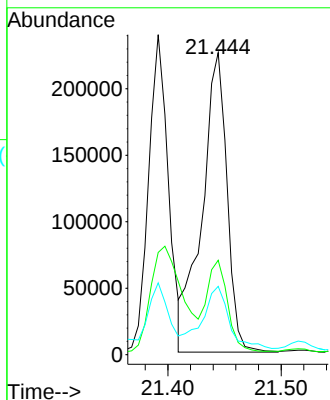
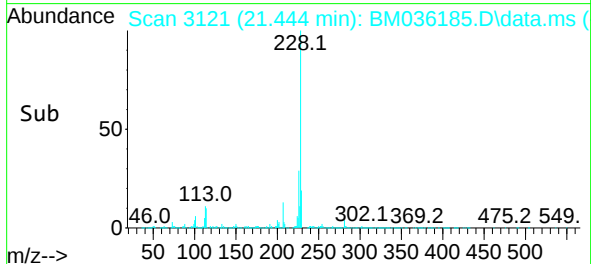
Instrument :
BNA_M
ClientSampleId :
RVE-190



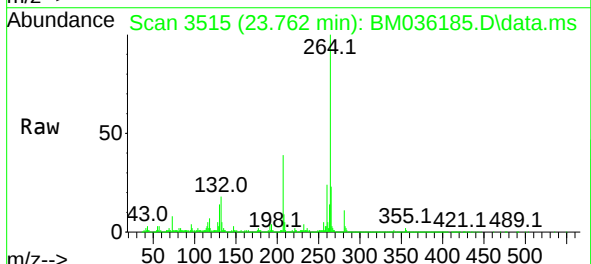
Tgt Ion:228 Resp: 34599
Ion Ratio Lower Upper
228 100
226 31.3 24.4 36.6
229 22.6 15.8 23.8

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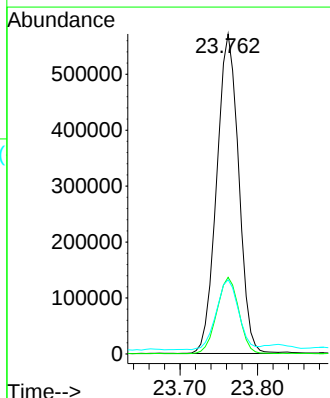
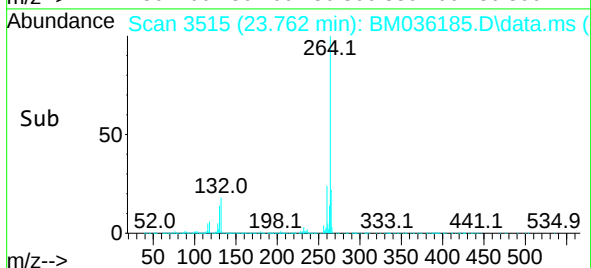
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

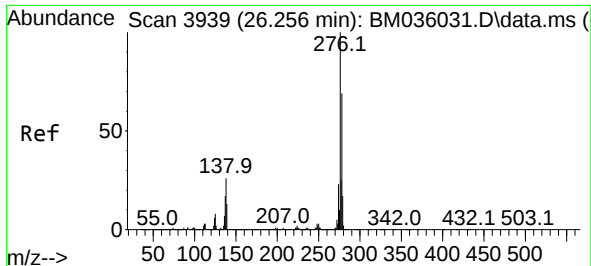


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.762 min Scan# 3515
Delta R.T. -0.012 min
Lab File: BM036185.D
Acq: 09 Aug 2022 21:18



Tgt Ion:264 Resp: 1125779
Ion Ratio Lower Upper
264 100
260 24.0 18.9 28.3
265 23.2 17.5 26.3





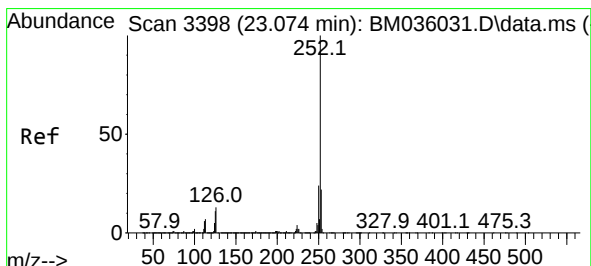
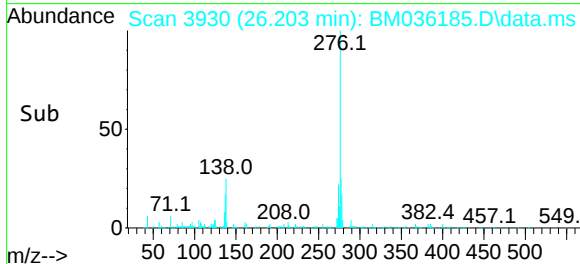
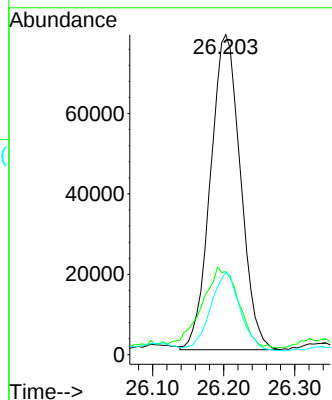
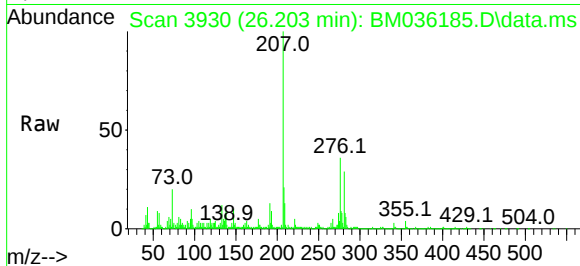
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.907 ng
RT: 26.203 min Scan# 3930
Delta R.T. -0.029 min
Lab File: BM036185.D
Acq: 09 Aug 2022 21:18

Instrument :
BNA_M
ClientSampleId :
RVE-190

Tgt Ion:276 Resp: 229958
Ion Ratio Lower Upper
276 100
138 31.7 20.2 30.4
277 24.8 20.2 30.2

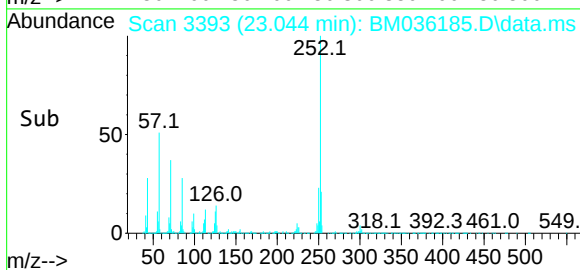
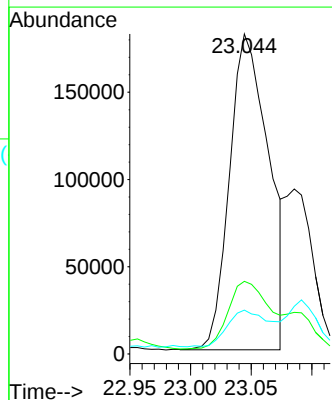
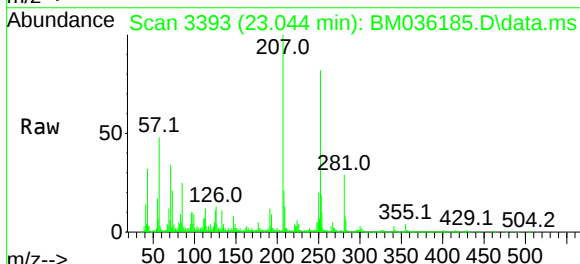
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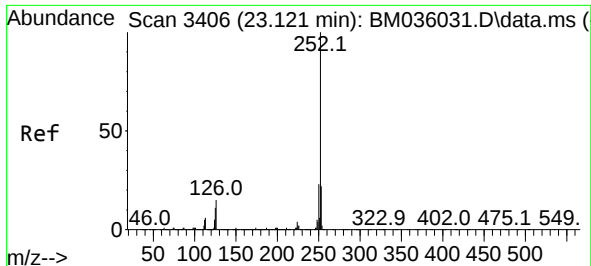
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#88
Benzo(b)fluoranthene
Concen: 6.171 ng m
RT: 23.044 min Scan# 3393
Delta R.T. -0.018 min
Lab File: BM036185.D
Acq: 09 Aug 2022 21:18

Tgt Ion:252 Resp: 407023
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 13.7 7.6 11.4





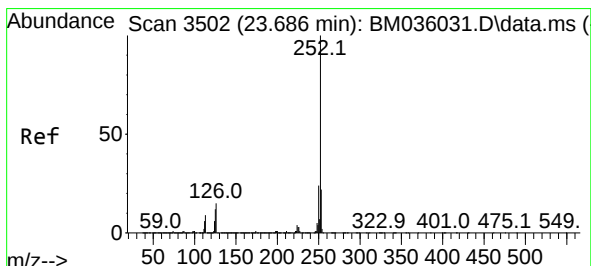
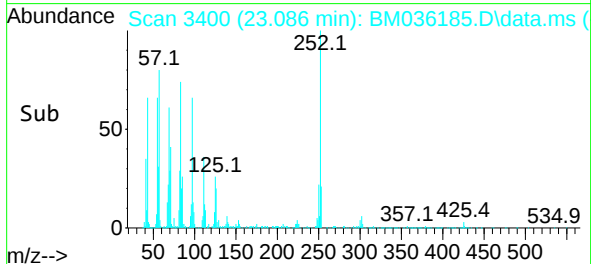
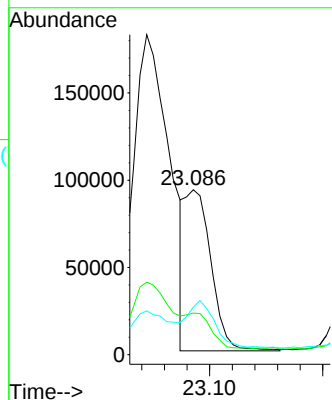
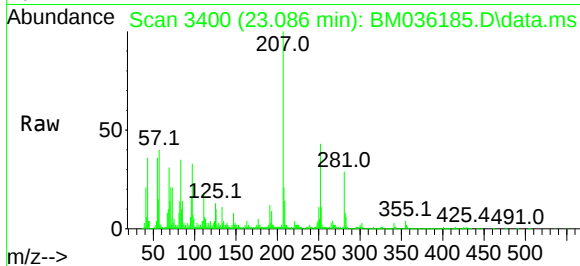
#89
Benzo(k)fluoranthene
Concen: 2.229 ng m
RT: 23.086 min Scan# 34
Delta R.T. -0.023 min
Lab File: BM036185.D
Acq: 09 Aug 2022 21:18

Instrument :
BNA_M
ClientSampleId :
RVE-190

Tgt Ion:252 Resp: 14846
Ion Ratio Lower Upper
252 100
253 25.2 17.5 26.3
125 28.9 7.6 11.4

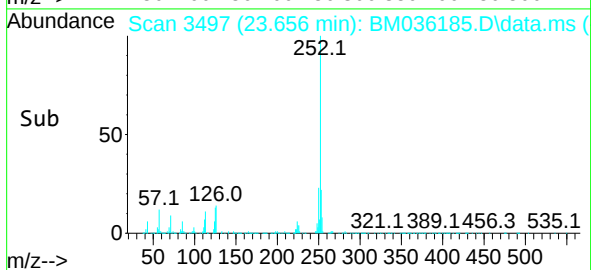
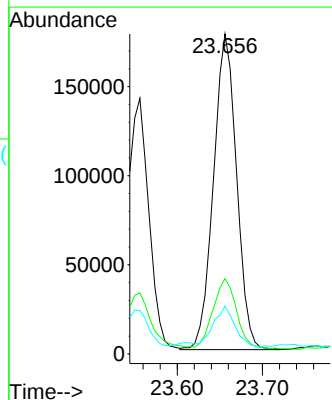
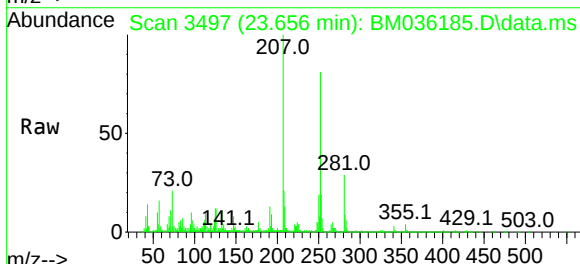
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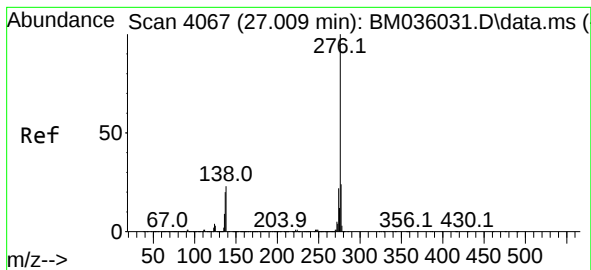
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#90
Benzo(a)pyrene
Concen: 6.027 ng
RT: 23.656 min Scan# 3497
Delta R.T. -0.018 min
Lab File: BM036185.D
Acq: 09 Aug 2022 21:18

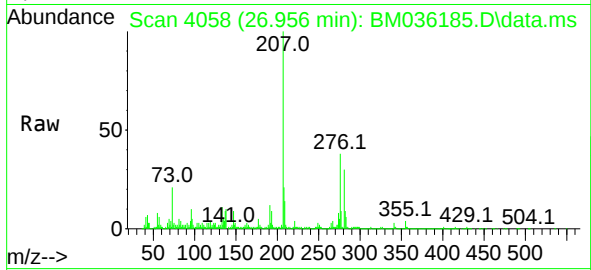
Tgt Ion:252 Resp: 333518
Ion Ratio Lower Upper
252 100
253 23.5 17.2 25.8
125 14.9 8.7 13.1#





#92
 Benzo(g,h,i)perylene
 Concen: 4.303 ng
 RT: 26.956 min Scan# 4067
 Delta R.T. -0.035 min
 Lab File: BM036185.D
 Acq: 09 Aug 2022 21:18

Instrument :
 BNA_M
 ClientSampleId :
 RVE-190



Tgt Ion: 276 Resp: 275858
 Ion Ratio Lower Upper
 276 100
 277 24.4 18.7 28.1
 138 25.1 17.6 26.4

Manual Integrations
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Reviewed By : Christian Giraldo 08/10/2022
 Supervised By : Jagrut Upadhyay 08/10/2022

