

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081022\
 Data File : BM036204.D
 Acq On : 10 Aug 2022 22:26
 Operator : CG/JU
 Sample : N3962-20DL 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RVE-205DL

Quant Time: Aug 10 23:43:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 10 22:19:26 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/11/2022
 Supervised By : Jagrut Upadhyay 08/11/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	285894	20.000	ng	0.00
21) Naphthalene-d8	10.633	136	1164419	20.000	ng	0.00
39) Acenaphthene-d10	14.474	164	671533	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1374870	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1383057	20.000	ng	0.00
86) Perylene-d12	23.744	264	1445079	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	1062020	60.226	ng	0.00
7) Phenol-d6	7.028	99	1325750	59.085	ng	0.00
23) Nitrobenzene-d5	8.998	82	788664	37.913	ng	0.00
42) 2,4,6-Tribromophenol	15.962	330	479443	60.859	ng	0.00
45) 2-Fluorobiphenyl	13.098	172	1763060	38.764	ng	0.00
79) Terphenyl-d14	19.839	244	2736483	39.026	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.256	178	754240	10.768	ng	100
73) Carbazole	17.627	167	150150	2.185	ng	97
75) Fluoranthene	19.274	202	2837931	36.195	ng	99
78) Pyrene	19.633	202	2960953	34.525	ng	99
81) Benzo(a)anthracene	21.380	228	2244097	26.343	ng	99
83) Chrysene	21.433	228	2430783	30.018	ng	98
87) Indeno(1,2,3-cd)pyrene	26.174	276	1883891	18.551	ng	97
88) Benzo(b)fluoranthene	23.033	252	3887661	45.918	ng	97
89) Benzo(k)fluoranthene	23.074	252	1170962m	13.693	ng	
90) Benzo(a)pyrene	23.638	252	2766270	38.941	ng	97
91) Dibenzo(a,h)anthracene	26.185	278	534074m	6.283	ng	
92) Benzo(g,h,i)perylene	26.926	276	1948784	23.681	ng	99

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

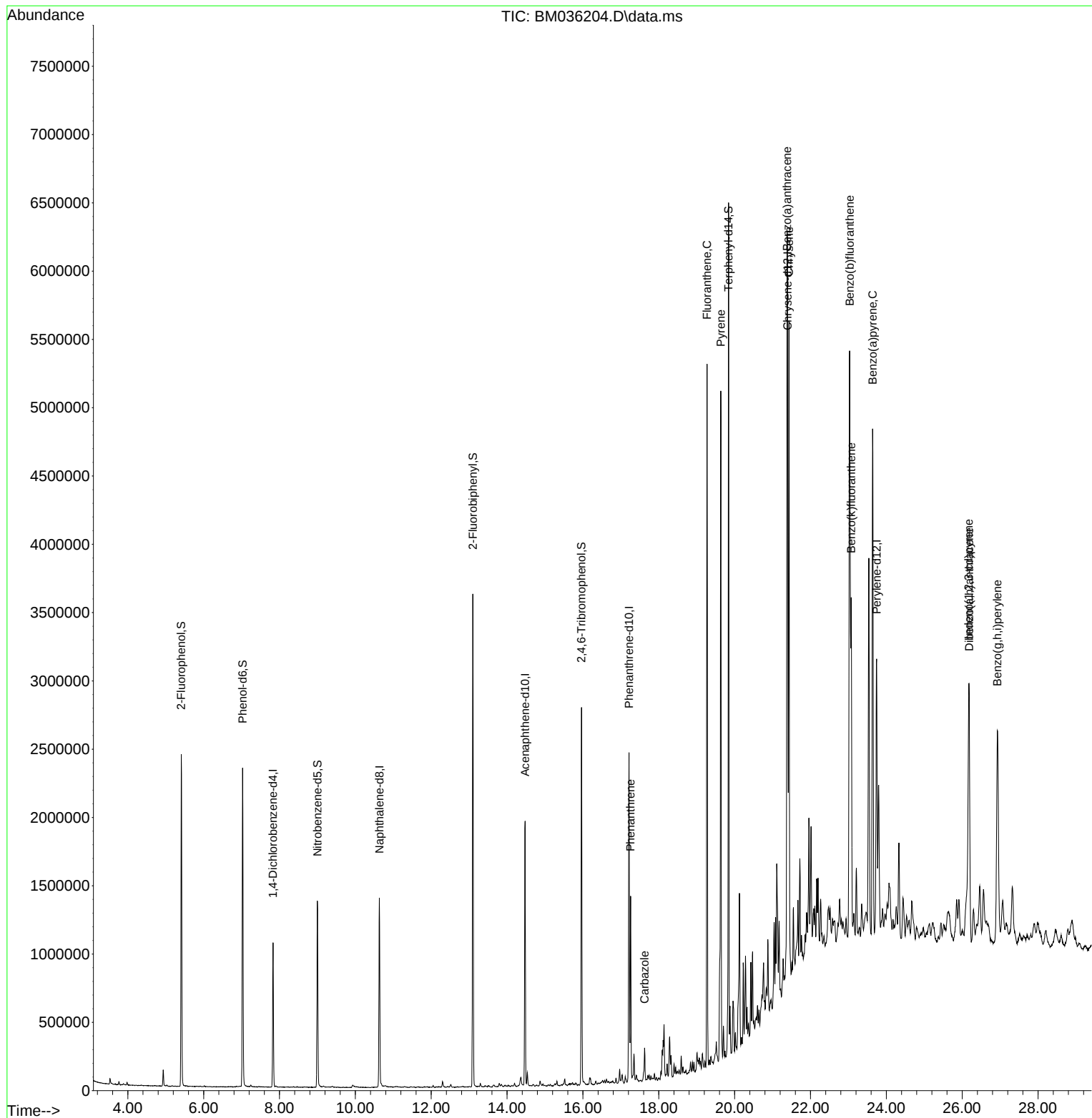
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081022\
Data File : BM036204.D
Acq On : 10 Aug 2022 22:26
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ALS Vial : 19 Sample Multiplier: 1

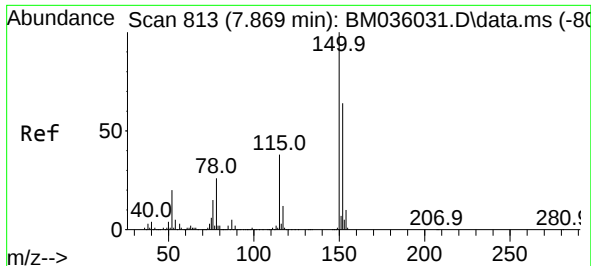
Instrument :
BNA_M
ClientSampleId :
RVE-205DL

Quant Time: Aug 10 23:43:13 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
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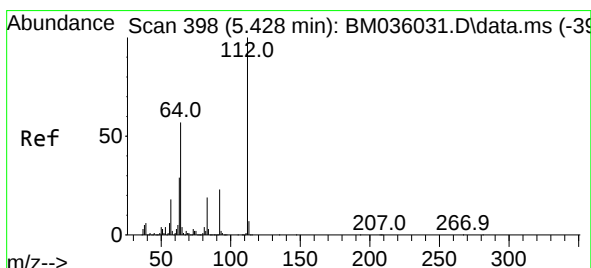
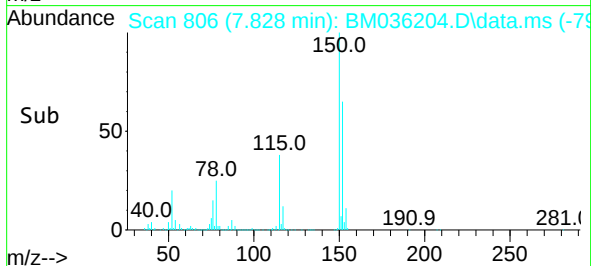
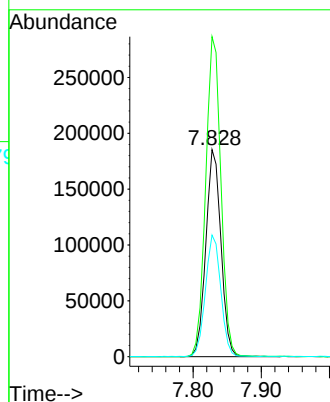
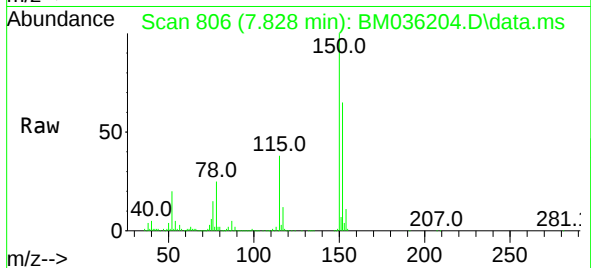
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.828 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM036204.D
Acq: 10 Aug 2022 22:26

Instrument :
BNA_M
ClientSampleId :
RVE-205DL

Tgt Ion:152 Resp: 285894
Ion Ratio Lower Upper
152 100
150 154.5 124.9 187.3
115 58.8 47.9 71.9

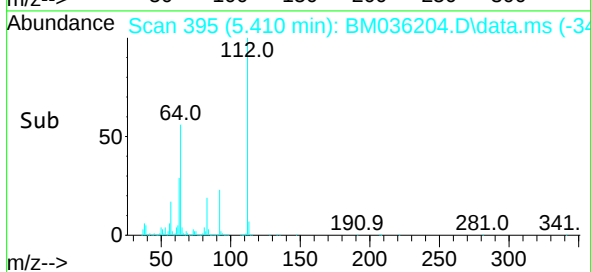
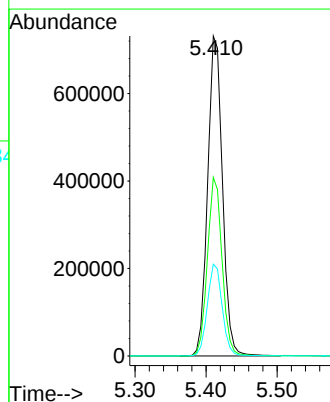
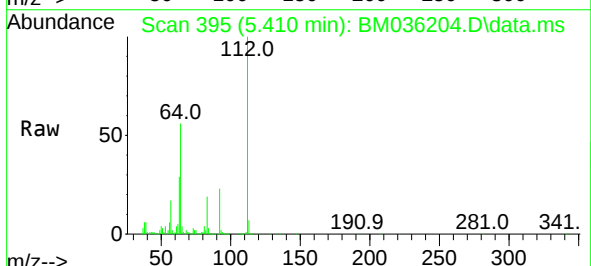
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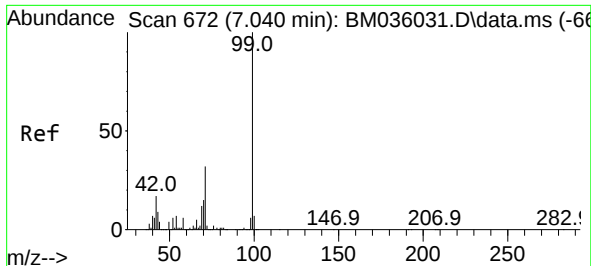
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#5
2-Fluorophenol
Concen: 60.226 ng
RT: 5.410 min Scan# 395
Delta R.T. -0.006 min
Lab File: BM036204.D
Acq: 10 Aug 2022 22:26

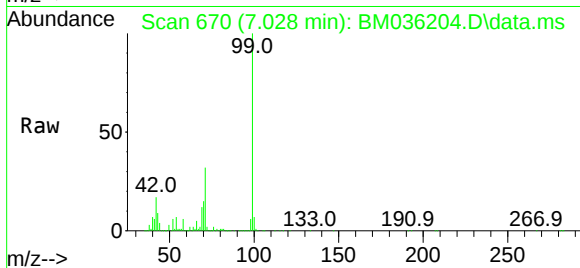
Tgt Ion:112 Resp: 1062020
Ion Ratio Lower Upper
112 100
64 55.8 47.8 71.6
63 28.7 26.6 40.0





#7
Phenol-d6
Concen: 59.085 ng
RT: 7.028 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM036204.D
Acq: 10 Aug 2022 22:26

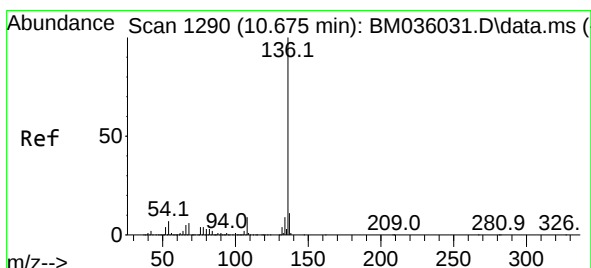
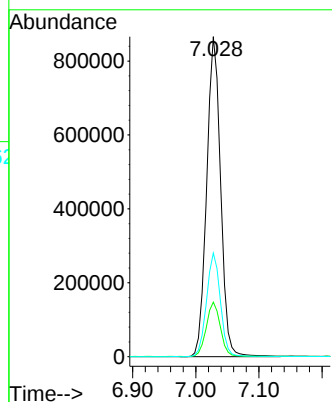
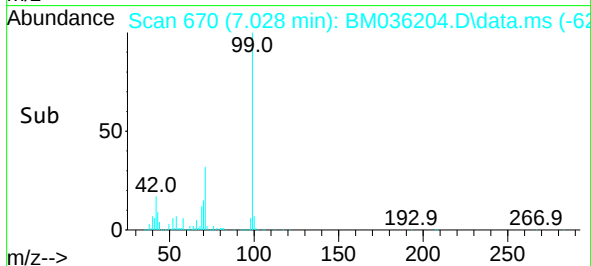
Instrument :
BNA_M
ClientSampleId :
RVE-205DL



Tgt Ion: 99 Resp: 1325750
Ion Ratio Lower Upper
99 100
42 17.0 18.8 28.2
71 32.4 30.2 45.2

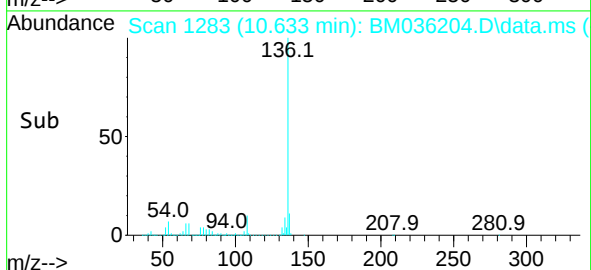
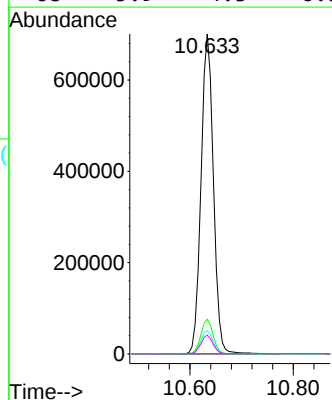
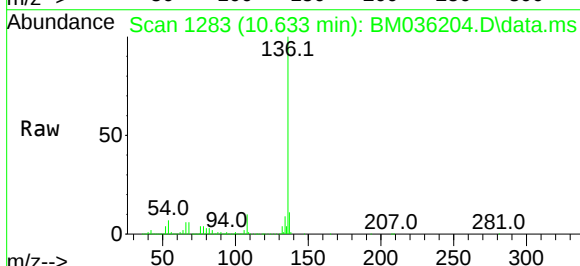
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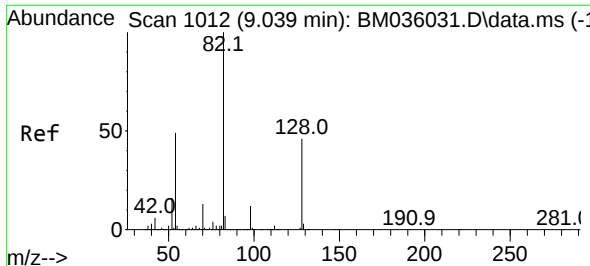
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.633 min Scan# 1283
Delta R.T. -0.006 min
Lab File: BM036204.D
Acq: 10 Aug 2022 22:26

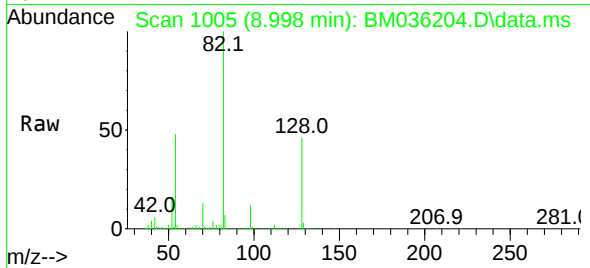
Tgt Ion:136 Resp: 1164419
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.2 7.0 10.4
68 5.9 4.3 6.5





#23
Nitrobenzene-d5
Concen: 37.913 ng
RT: 8.998 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM036204.D
Acq: 10 Aug 2022 22:26

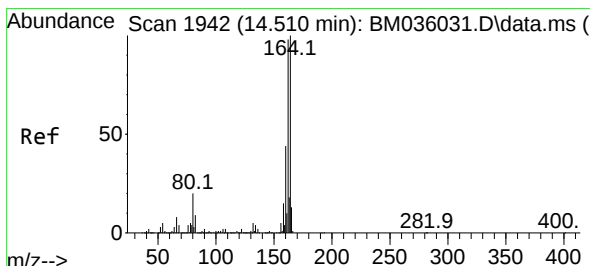
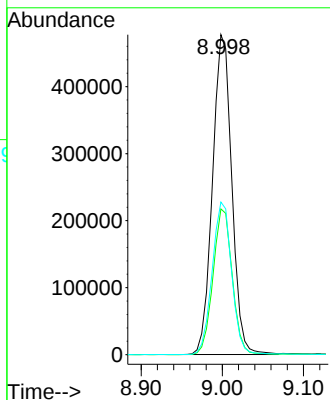
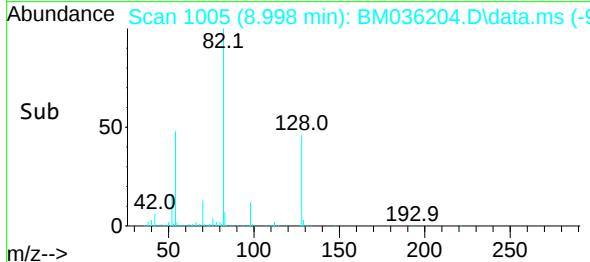
Instrument :
BNA_M
ClientSampleId :
RVE-205DL



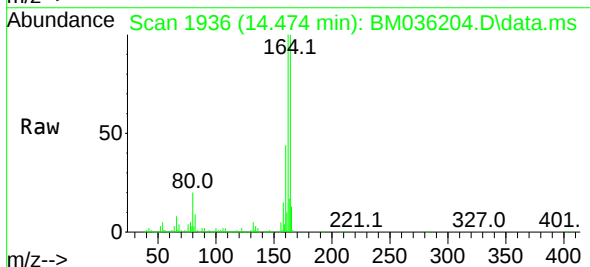
Tgt Ion: 82 Resp: 788664
Ion Ratio Lower Upper
82 100
128 45.5 33.7 50.5
54 47.7 43.2 64.8

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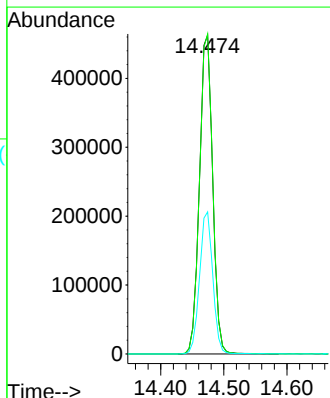
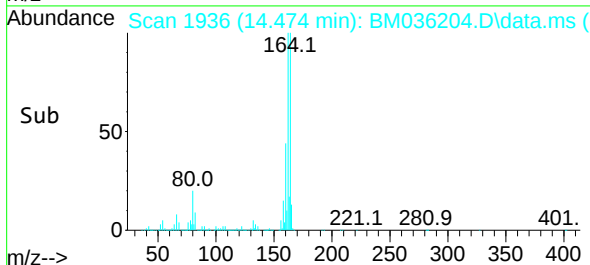
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

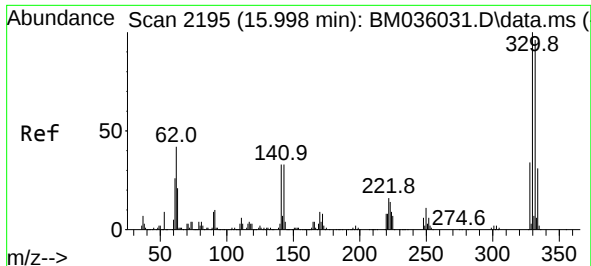


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1936
Delta R.T. -0.000 min
Lab File: BM036204.D
Acq: 10 Aug 2022 22:26



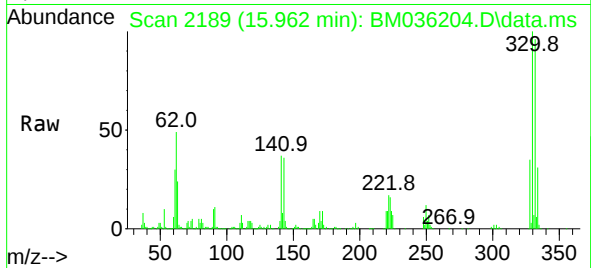
Tgt Ion:164 Resp: 671533
Ion Ratio Lower Upper
164 100
162 100.4 83.0 124.6
160 44.6 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 60.859 ng
RT: 15.962 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM036204.D
Acq: 10 Aug 2022 22:26

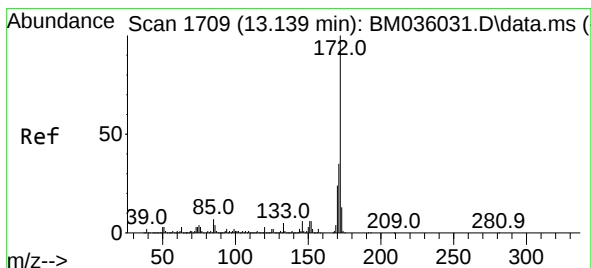
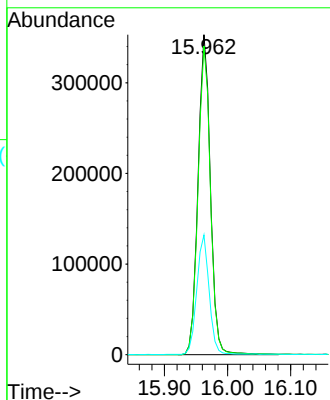
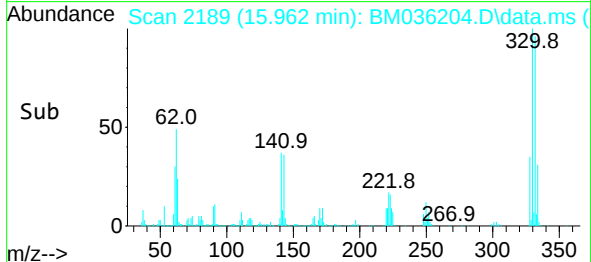
Instrument :
BNA_M
ClientSampleId :
RVE-205DL



Tgt Ion:330 Resp: 47944
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.4
141 37.3 35.3 52.9

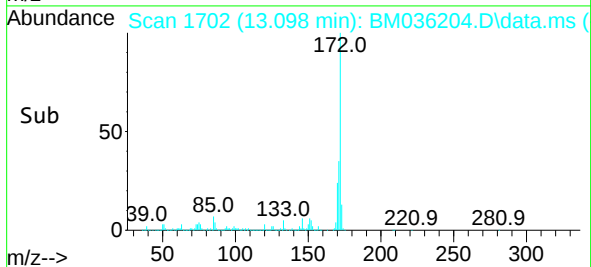
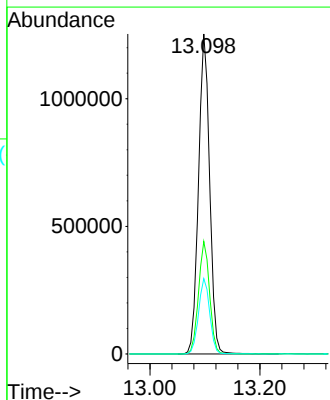
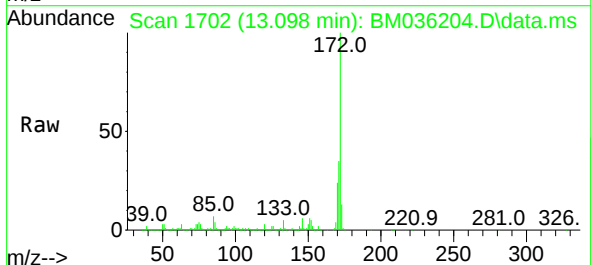
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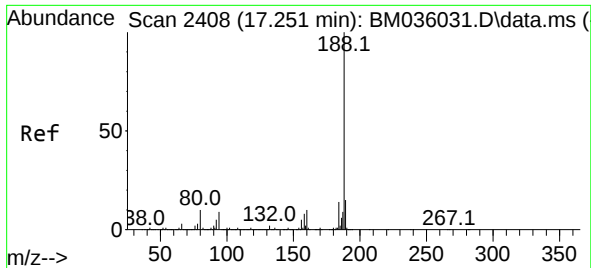
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#45
2-Fluorobiphenyl
Concen: 38.764 ng
RT: 13.098 min Scan# 1702
Delta R.T. -0.006 min
Lab File: BM036204.D
Acq: 10 Aug 2022 22:26

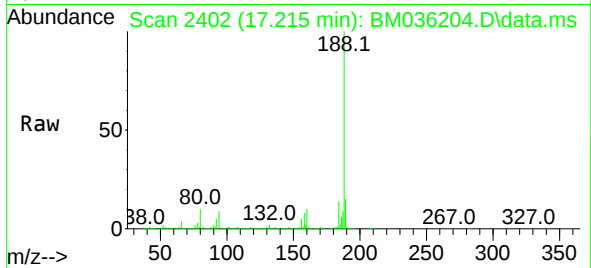
Tgt Ion:172 Resp: 1763060
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.5 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2408
Delta R.T. -0.000 min
Lab File: BM036204.D
Acq: 10 Aug 2022 22:26

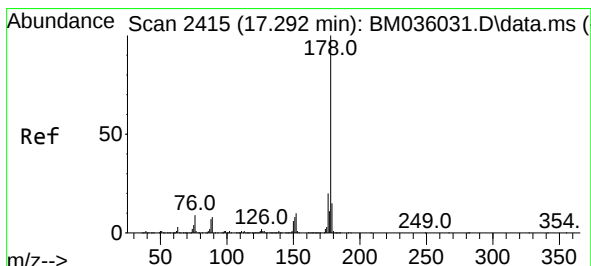
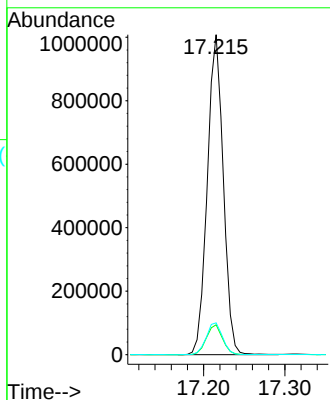
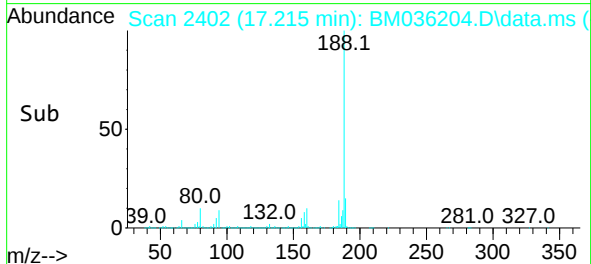
Instrument :
BNA_M
ClientSampleId :
RVE-205DL



Tgt Ion:188 Resp: 1374870
Ion Ratio Lower Upper
188 100
94 9.4 7.0 10.4
80 9.9 7.6 11.4

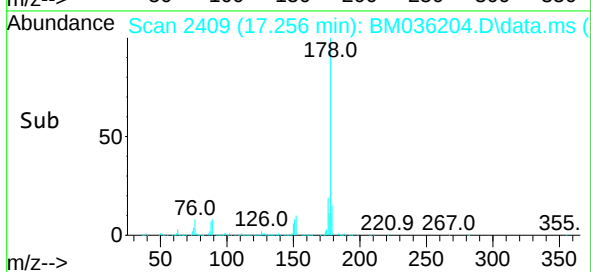
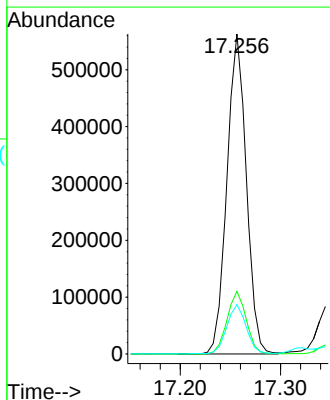
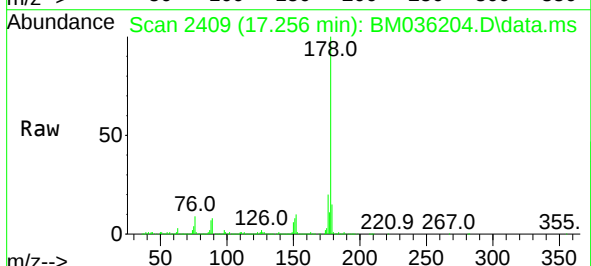
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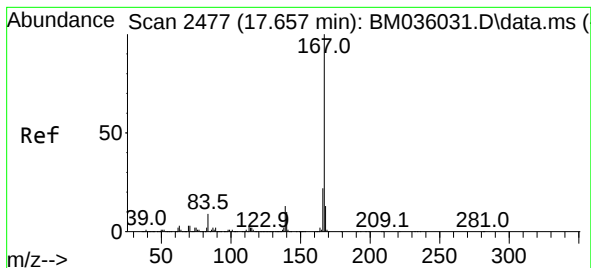
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#71
Phenanthrene
Concen: 10.768 ng
RT: 17.256 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BM036204.D
Acq: 10 Aug 2022 22:26

Tgt Ion:178 Resp: 754240
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.4 12.4 18.6





#73

Carbazole

Concen: 2.185 ng

RT: 17.627 min Scan# 2477

Delta R.T. -0.006 min

Lab File: BM036204.D

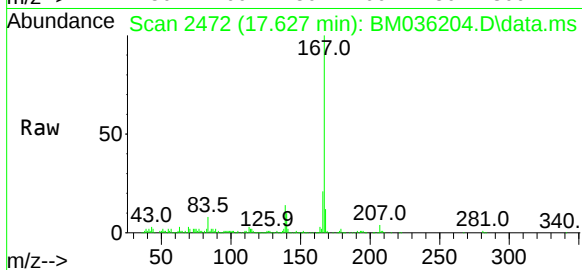
Acq: 10 Aug 2022 22:26

Instrument :

BNA_M

ClientSampleId :

RVE-205DL



Tgt Ion:167 Resp: 150150

Ion Ratio Lower Upper

167 100

166 20.6 17.8 26.8

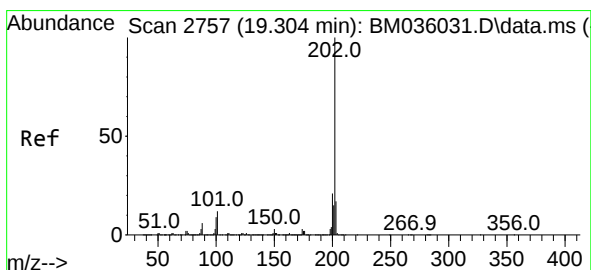
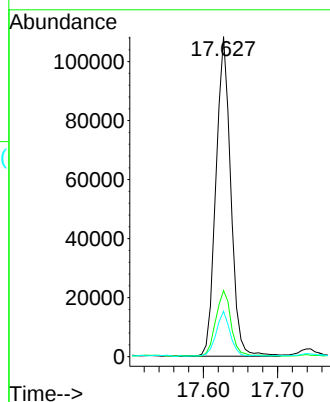
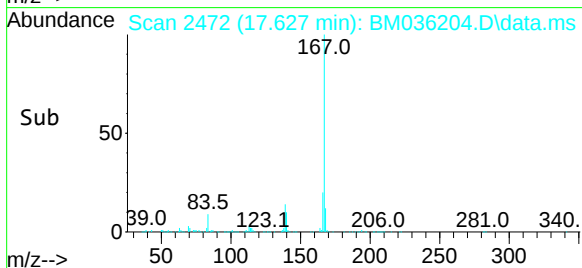
139 14.2 10.9 16.3

Manual Integrations

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Reviewed By :Christian Giraldo 08/11/2022

Supervised By :Jagrut Upadhyay 08/11/2022



#75

Fluoranthene

Concen: 36.195 ng

RT: 19.274 min Scan# 2752

Delta R.T. -0.000 min

Lab File: BM036204.D

Acq: 10 Aug 2022 22:26

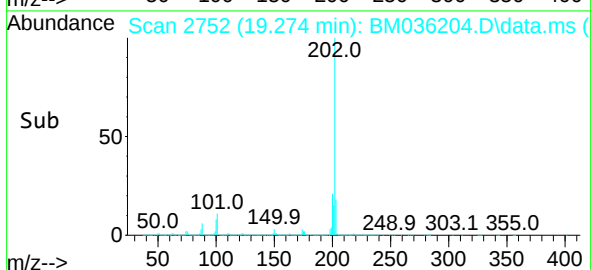
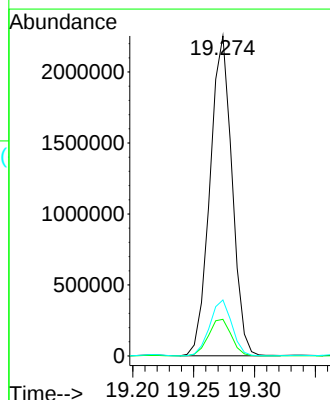
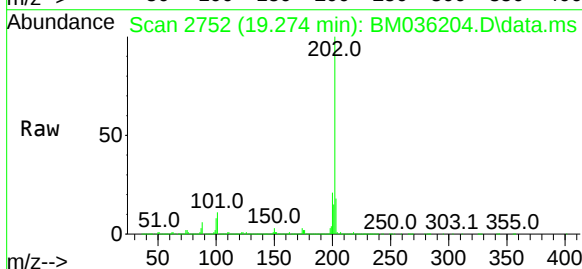
Tgt Ion:202 Resp: 2837931

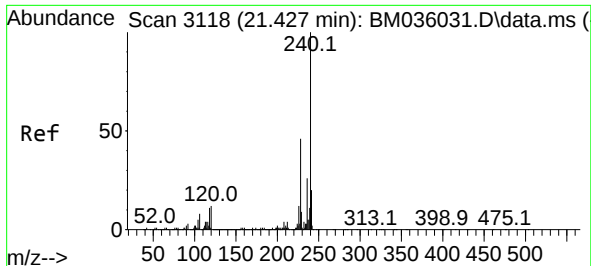
Ion Ratio Lower Upper

202 100

101 11.5 0.0 30.6

203 17.5 0.0 37.4





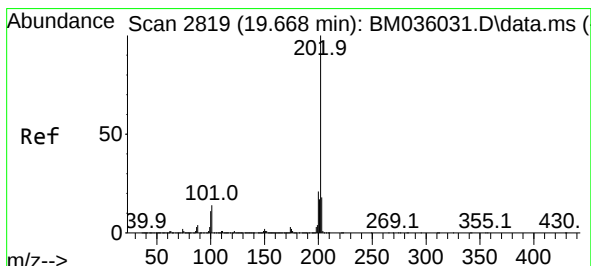
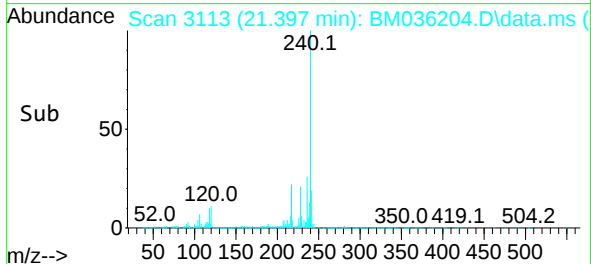
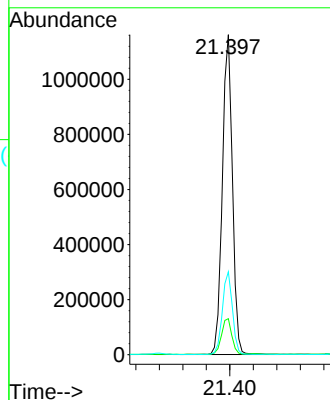
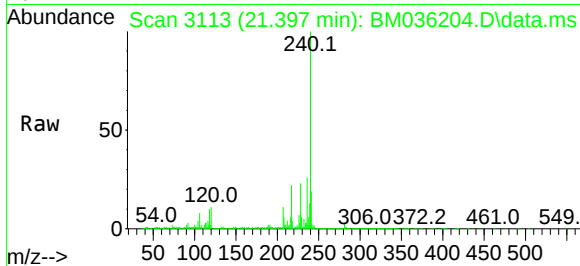
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Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BM036204.D
Acq: 10 Aug 2022 22:26

Instrument :
BNA_M
ClientSampleId :
RVE-205DL

Tgt Ion:240 Resp: 138305
Ion Ratio Lower Upper
240 100
120 11.2 9.4 14.0
236 25.9 20.6 30.8

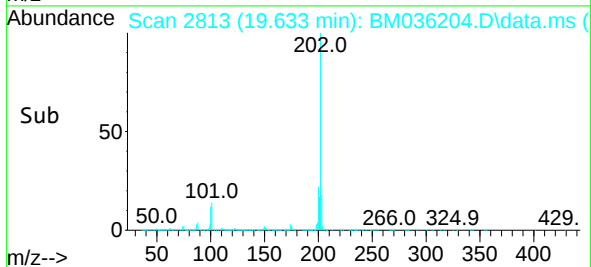
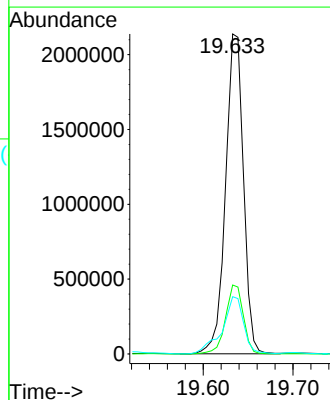
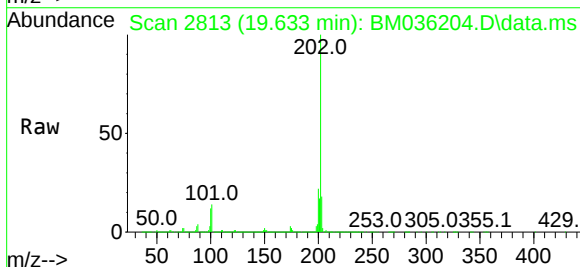
Manual Integrations
APPROVED

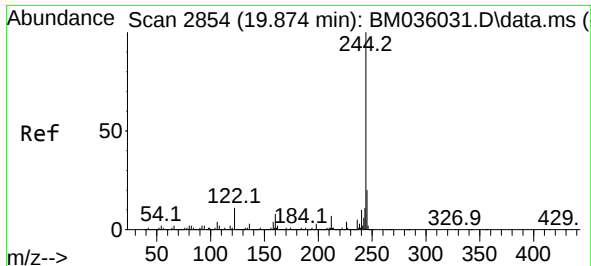
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#78
Pyrene
Concen: 34.525 ng
RT: 19.633 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BM036204.D
Acq: 10 Aug 2022 22:26

Tgt Ion:202 Resp: 2960953
Ion Ratio Lower Upper
202 100
200 21.6 16.7 25.1
203 17.9 13.9 20.9





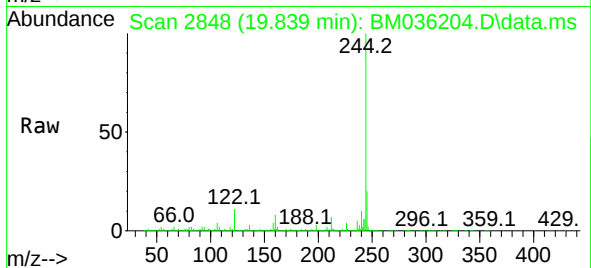
#79
Terphenyl-d14
Concen: 39.026 ng
RT: 19.839 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM036204.D
Acq: 10 Aug 2022 22:26

Instrument :

BNA_M

ClientSampleId :

RVE-205DL

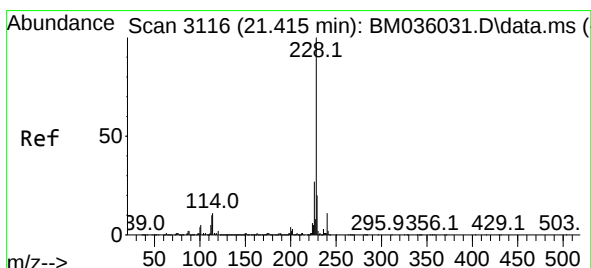
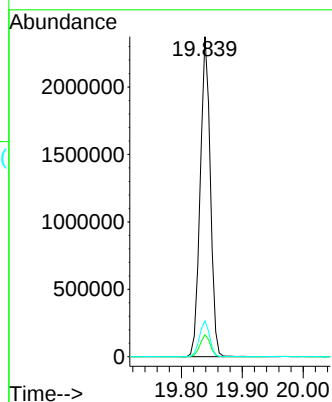
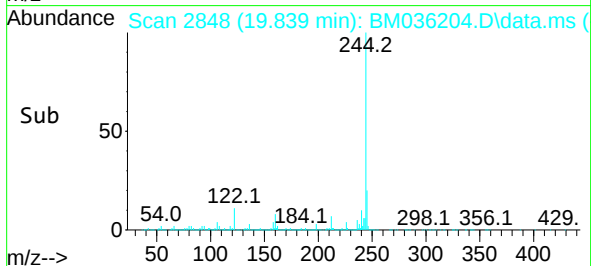


Tgt Ion:244 Resp: 273648
Ion Ratio Lower Upper
244 100
212 6.8 6.2 9.4
122 11.1 8.3 12.5

Manual Integrations

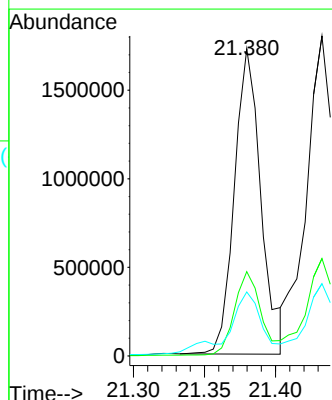
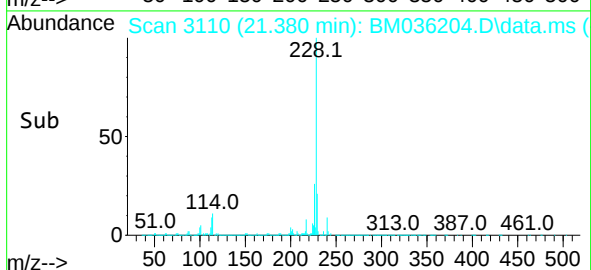
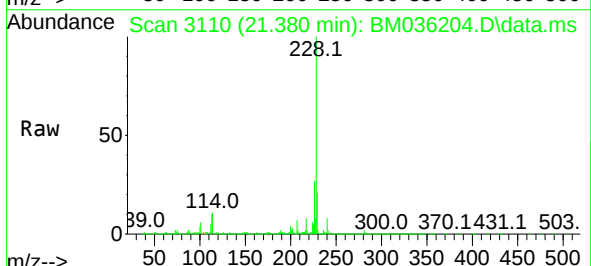
APPROVED

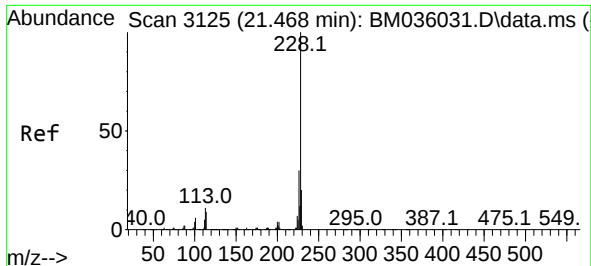
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#81
Benzo(a)anthracene
Concen: 26.343 ng
RT: 21.380 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BM036204.D
Acq: 10 Aug 2022 22:26

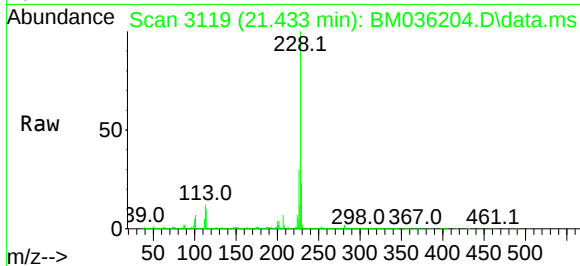
Tgt Ion:228 Resp: 2244097
Ion Ratio Lower Upper
228 100
226 27.5 22.3 33.5
229 20.8 15.8 23.6





#83
Chrysene
Concen: 30.018 ng
RT: 21.433 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BM036204.D
Acq: 10 Aug 2022 22:26

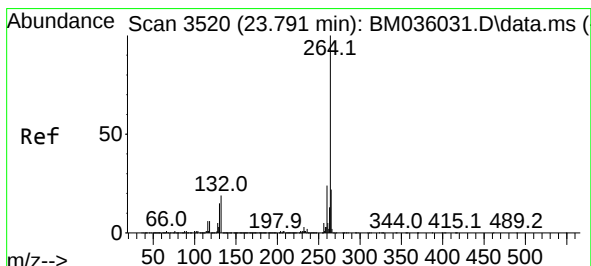
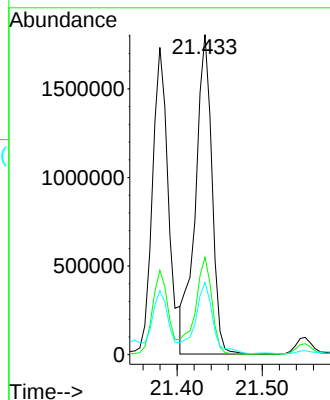
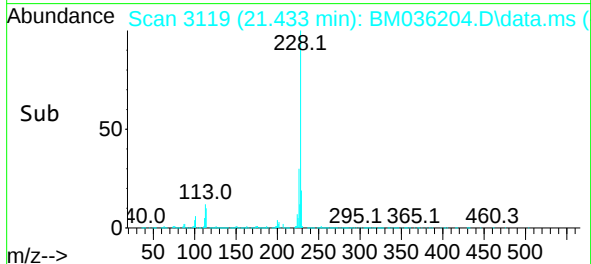
Instrument :
BNA_M
ClientSampleId :
RVE-205DL



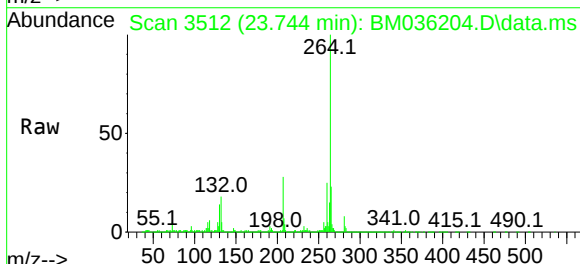
Tgt Ion:228 Resp: 243078
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 22.6 15.8 23.8

Manual Integrations
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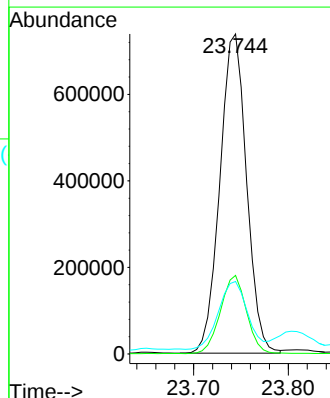
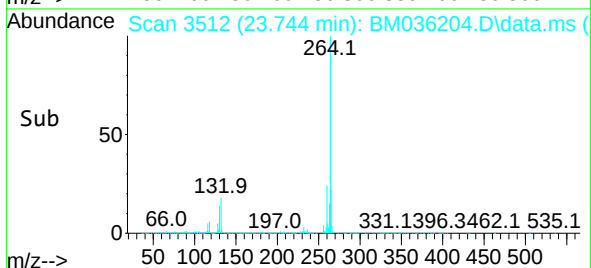
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

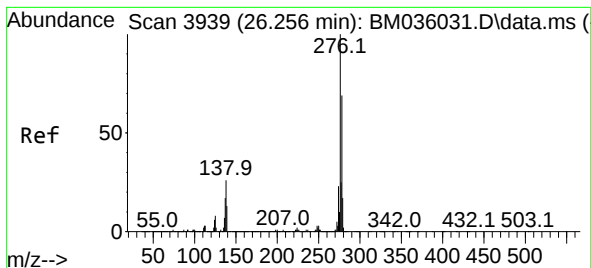


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.744 min Scan# 3512
Delta R.T. -0.000 min
Lab File: BM036204.D
Acq: 10 Aug 2022 22:26



Tgt Ion:264 Resp: 1445079
Ion Ratio Lower Upper
264 100
260 24.5 18.9 28.3
265 22.7 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 18.551 ng

RT: 26.174 min Scan# 3939

Delta R.T. -0.018 min

Lab File: BM036204.D

Acq: 10 Aug 2022 22:26

Instrument :

BNA_M

ClientSampleId :

RVE-205DL

Tgt Ion:276 Resp: 188389

Ion Ratio Lower Upper

276 100

138 22.6 20.2 30.4

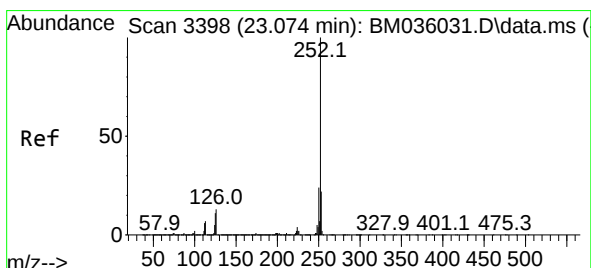
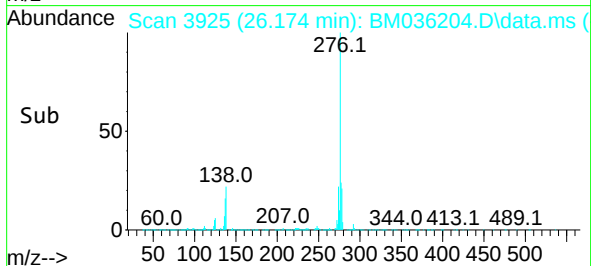
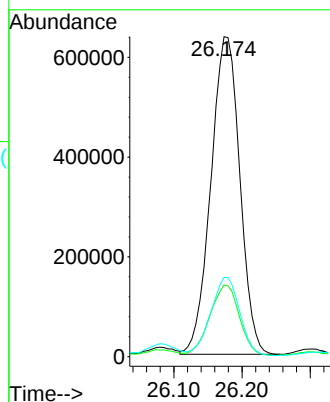
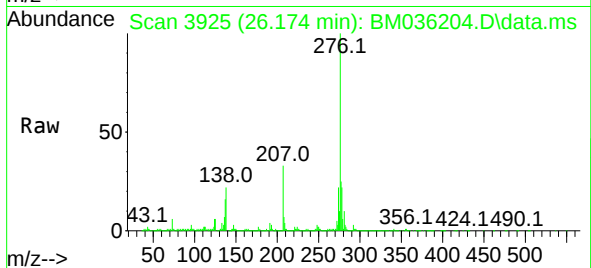
277 24.5 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/11/2022

Supervised By :Jagrut Upadhyay 08/11/2022



#88

Benzo(b)fluoranthene

Concen: 45.918 ng

RT: 23.033 min Scan# 3391

Delta R.T. -0.000 min

Lab File: BM036204.D

Acq: 10 Aug 2022 22:26

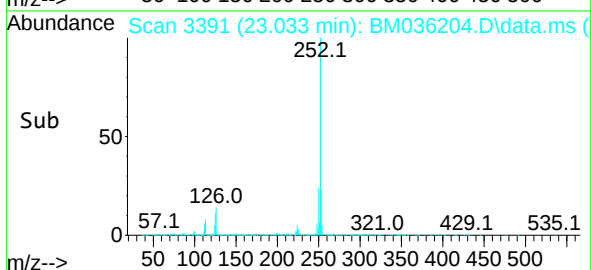
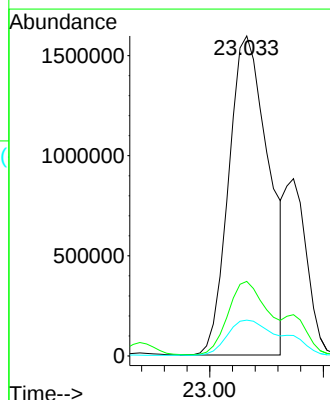
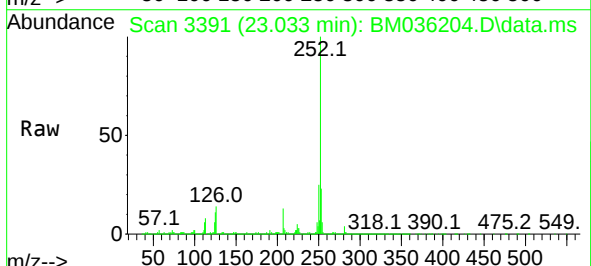
Tgt Ion:252 Resp: 3887661

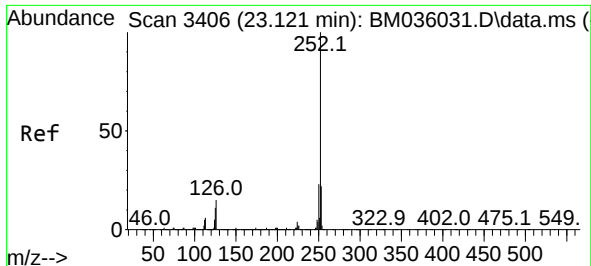
Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

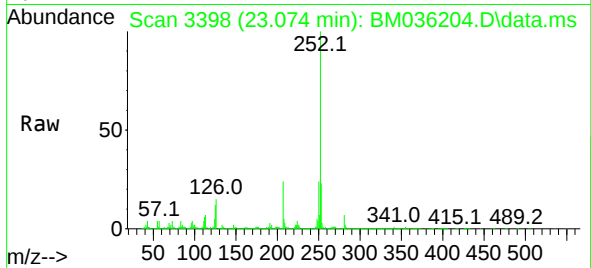
125 11.2 7.6 11.4





#89
Benzo(k)fluoranthene
Concen: 13.693 ng m
RT: 23.074 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM036204.D
Acq: 10 Aug 2022 22:26

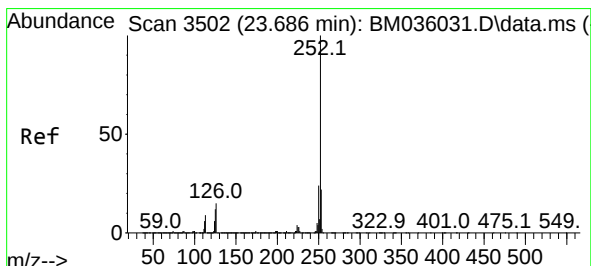
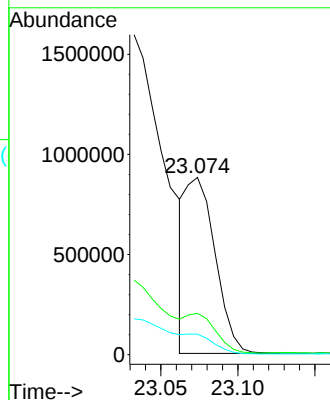
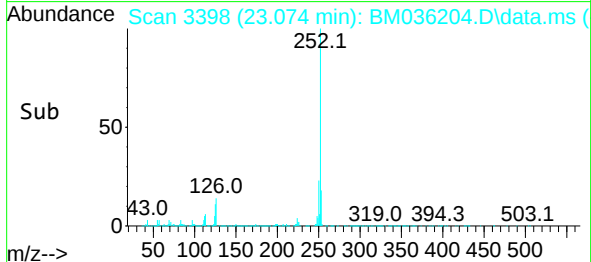
Instrument :
BNA_M
ClientSampleId :
RVE-205DL



Tgt Ion:252 Resp: 1170962
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 11.6 7.6 11.4

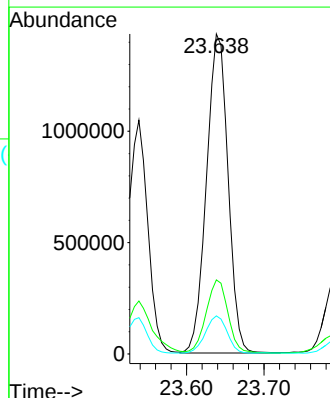
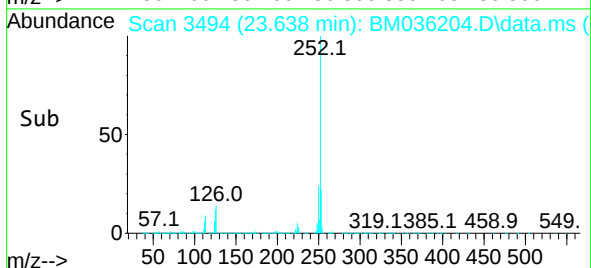
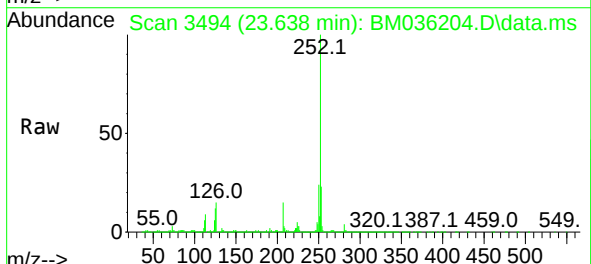
Manual Integrations
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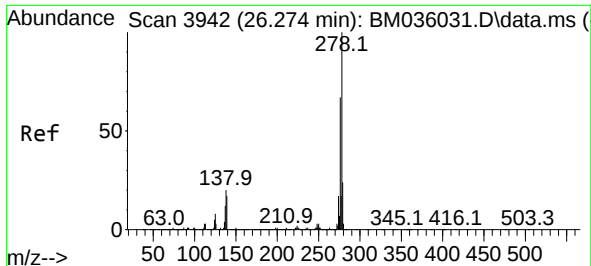
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#90
Benzo(a)pyrene
Concen: 38.941 ng
RT: 23.638 min Scan# 3494
Delta R.T. -0.006 min
Lab File: BM036204.D
Acq: 10 Aug 2022 22:26

Tgt Ion:252 Resp: 2766270
Ion Ratio Lower Upper
252 100
253 23.2 17.2 25.8
125 11.9 8.7 13.1





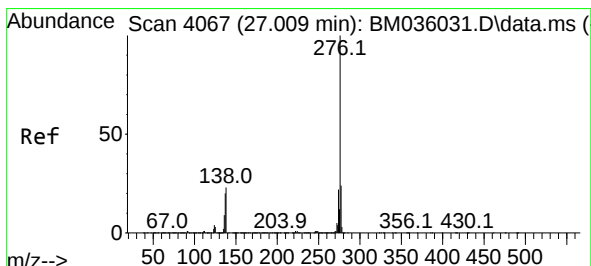
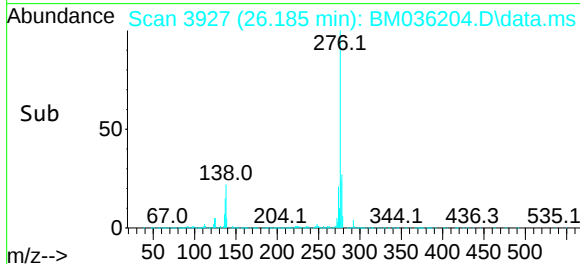
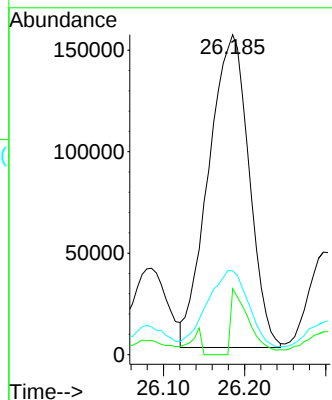
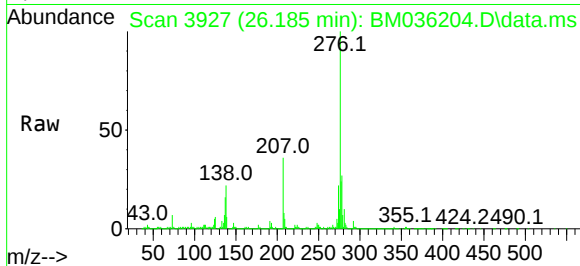
#91
Dibenzo(a,h)anthracene
Concen: 6.283 ng m
RT: 26.185 min Scan# 3942
Delta R.T. -0.018 min
Lab File: BM036204.D
Acq: 10 Aug 2022 22:26

Instrument :
BNA_M
ClientSampleId :
RVE-205DL

Tgt Ion:278 Resp: 534074
Ion Ratio Lower Upper
278 100
139 20.7 12.9 19.3
279 26.2 18.7 28.1

Manual Integrations
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Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#92
Benzo(g,h,i)perylene
Concen: 23.681 ng
RT: 26.926 min Scan# 4053
Delta R.T. -0.018 min
Lab File: BM036204.D
Acq: 10 Aug 2022 22:26

Tgt Ion:276 Resp: 1948784
Ion Ratio Lower Upper
276 100
277 24.0 18.7 28.1
138 22.1 17.6 26.4

