

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080522\
 Data File : BM036131.D
 Acq On : 05 Aug 2022 22:27
 Operator : CG/JU
 Sample : N3961-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RVE-170

Manual Integrations
 APPROVED

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

Quant Time: Aug 06 01:14:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 03:36:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	264921	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	1103373	20.000	ng	# 0.00
39) Acenaphthene-d10	14.498	164	650248	20.000	ng	0.00
64) Phenanthrene-d10	17.239	188	1274741	20.000	ng	0.00
76) Chrysene-d12	21.415	240	1147286	20.000	ng	0.00
86) Perylene-d12	23.774	264	1204388	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	1890026	115.666	ng	0.02
7) Phenol-d6	7.069	99	2368997	113.938	ng	0.04
23) Nitrobenzene-d5	9.028	82	1402939	71.175	ng	0.00
42) 2,4,6-Tribromophenol	15.986	330	912002	119.556	ng	0.00
45) 2-Fluorobiphenyl	13.121	172	3175449	72.103	ng	0.00
79) Terphenyl-d14	19.862	244	4345429	74.708	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.280	178	2319145	35.710	ng	99
72) Anthracene	17.368	178	453370	7.211	ng	99
73) Carbazole	17.651	167	201711	3.166	ng	99
75) Fluoranthene	19.298	202	3452512	47.492	ng	99
78) Pyrene	19.656	202	2644206	37.167	ng	99
81) Benzo(a)anthracene	21.397	228	1447864	20.489	ng	99
83) Chrysene	21.450	228	1321884	19.678	ng	98
87) Indeno(1,2,3-cd)pyrene	26.221	276	924249	10.920	ng	96
88) Benzo(b)fluoranthene	23.056	252	1877589	26.608	ng	97
89) Benzo(k)fluoranthene	23.097	252	694993m	9.752	ng	
90) Benzo(a)pyrene	23.668	252	1174526	19.838	ng	96
91) Dibenzo(a,h)anthracene	26.232	278	248057	3.501	ng	# 88
92) Benzo(g,h,i)perylene	26.979	276	850902	12.406	ng	98

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

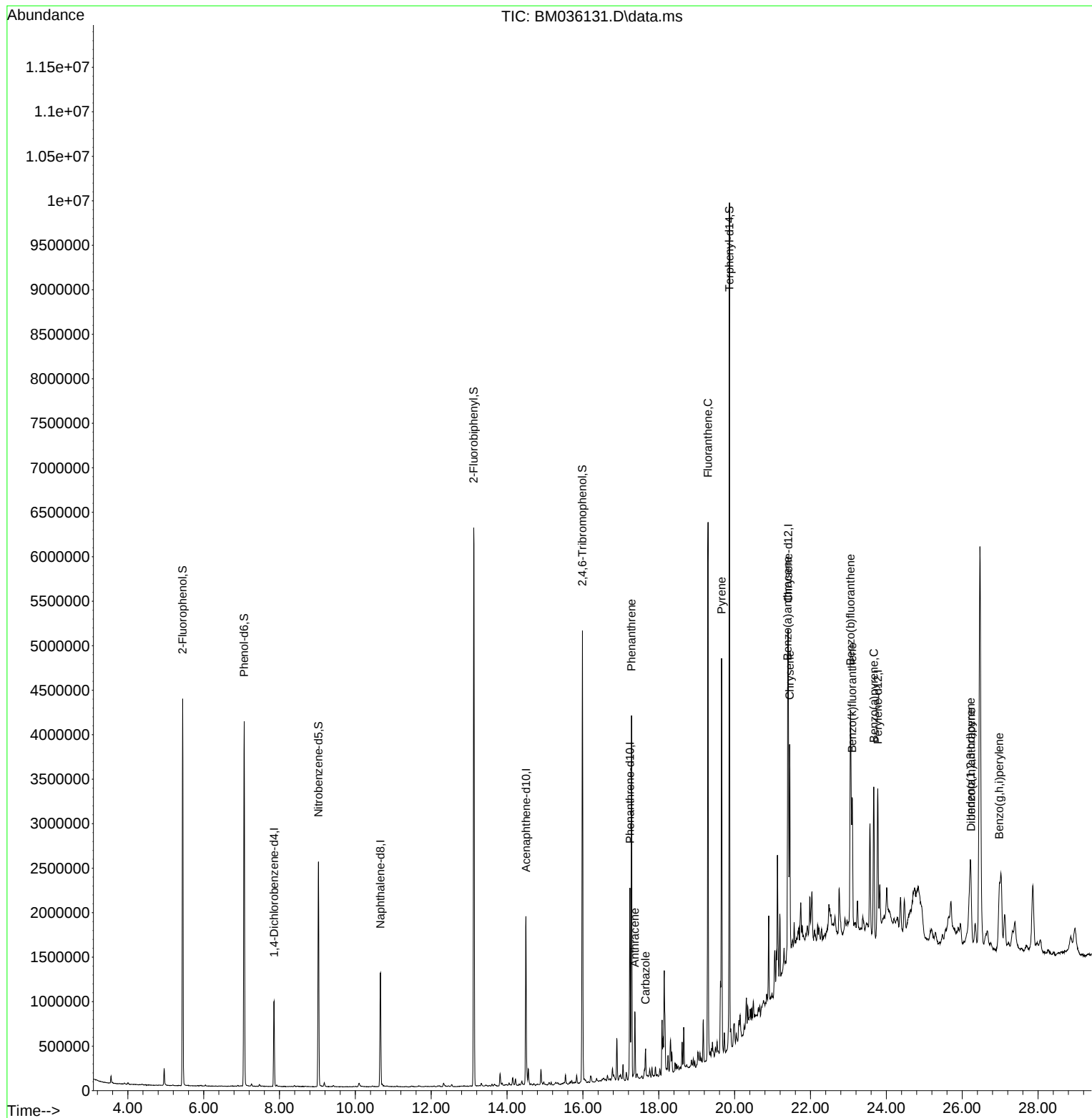
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080522\
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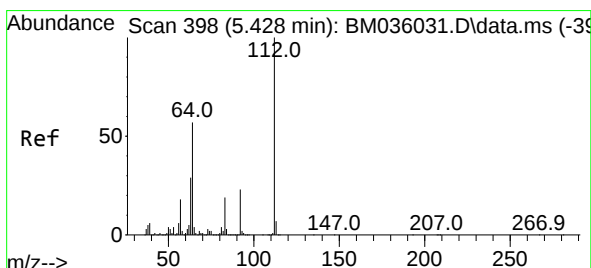
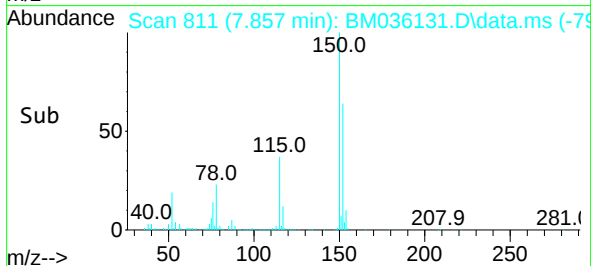
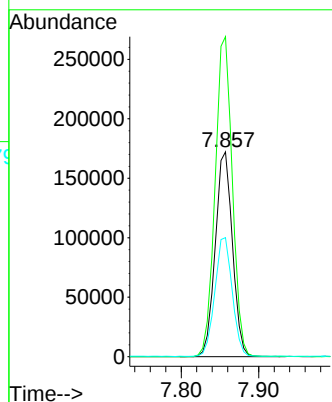
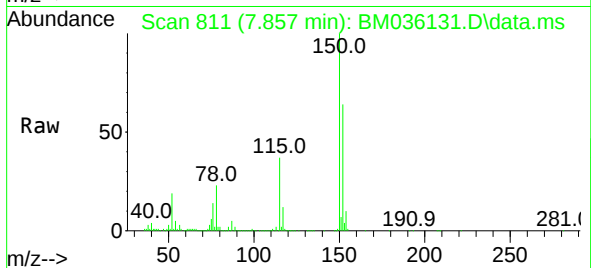
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.857 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM036131.D
Acq: 05 Aug 2022 22:27

Instrument :
BNA_M
ClientSampleId :
RVE-170

Tgt Ion:152 Resp: 26492
Ion Ratio Lower Upper
152 100
150 156.2 124.9 187.3
115 58.1 47.9 71.9

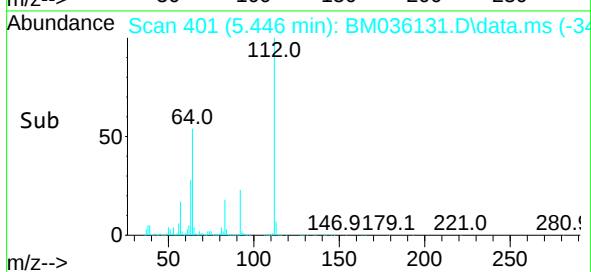
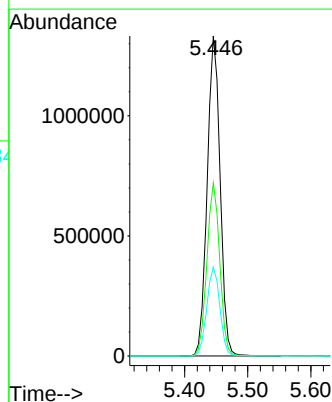
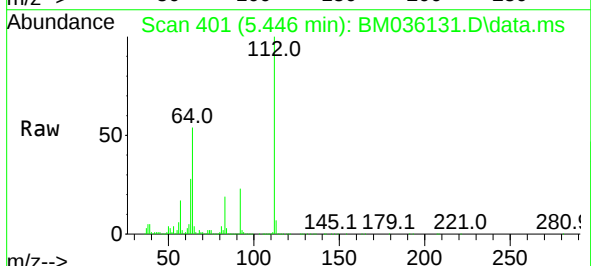
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#5
2-Fluorophenol
Concen: 115.666 ng
RT: 5.446 min Scan# 401
Delta R.T. 0.024 min
Lab File: BM036131.D
Acq: 05 Aug 2022 22:27

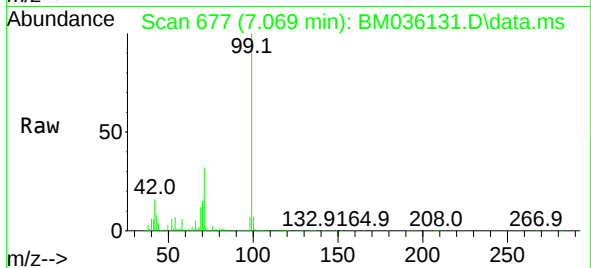
Tgt Ion:112 Resp: 1890026
Ion Ratio Lower Upper
112 100
64 54.1 47.8 71.6
63 27.8 26.6 40.0





#7
Phenol-d6
Concen: 113.938 ng
RT: 7.069 min Scan# 61
Delta R.T. 0.035 min
Lab File: BM036131.D
Acq: 05 Aug 2022 22:27

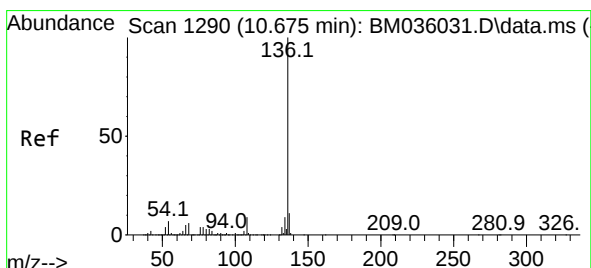
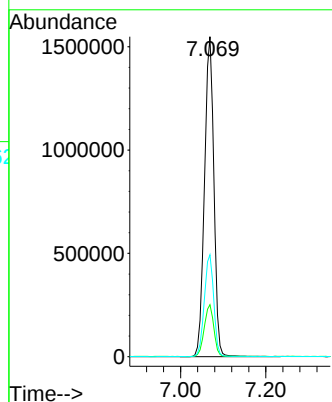
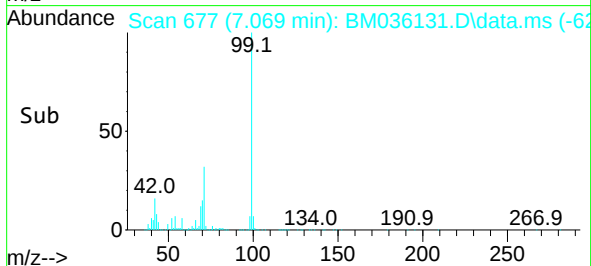
Instrument :
BNA_M
ClientSampleId :
RVE-170



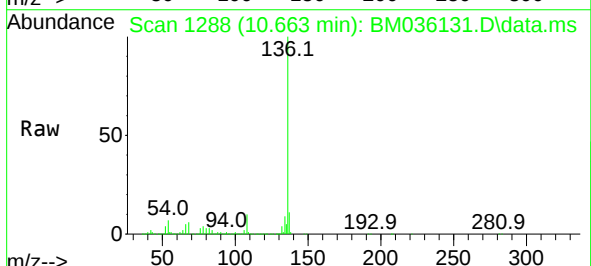
Tgt Ion: 99 Resp: 236899
Ion Ratio Lower Upper
99 100
42 16.2 18.8 28.2
71 31.9 30.2 45.2

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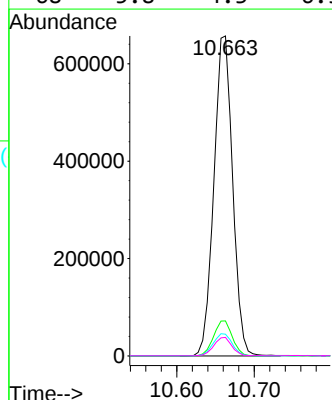
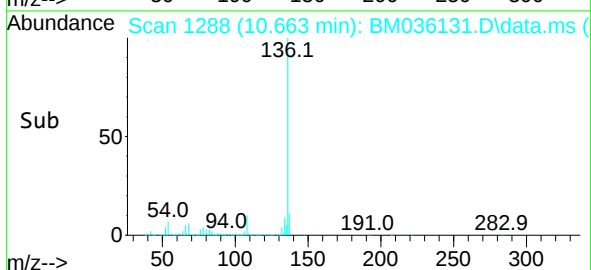
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BM036131.D
Acq: 05 Aug 2022 22:27



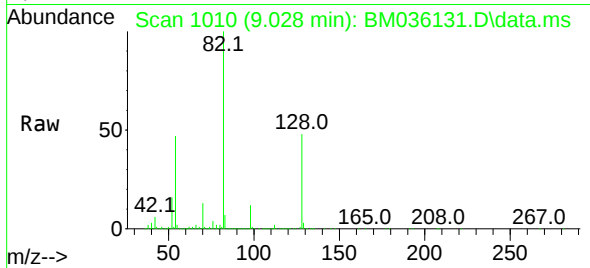
Tgt Ion:136 Resp: 1103373
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.8 7.0 10.4
68 5.8 4.3 6.5





#23
Nitrobenzene-d5
Concen: 71.175 ng
RT: 9.028 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BM036131.D
Acq: 05 Aug 2022 22:27

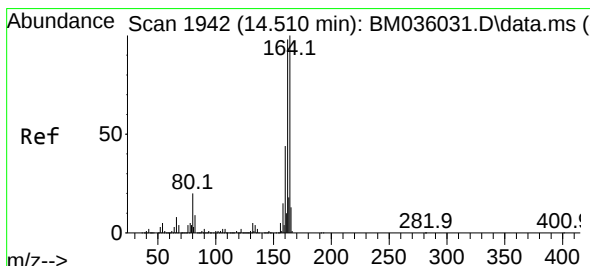
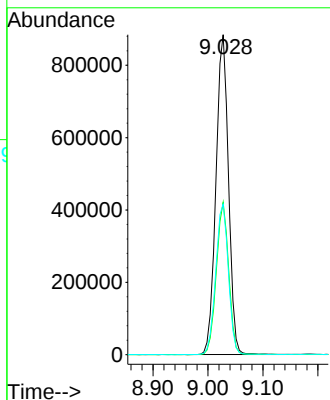
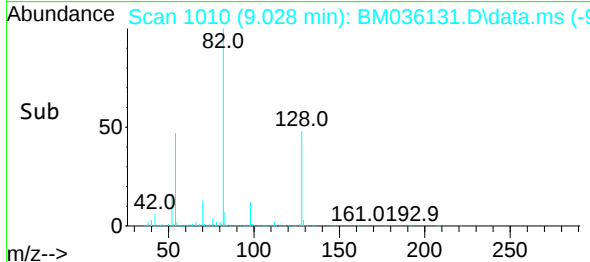
Instrument :
BNA_M
ClientSampleId :
RVE-170



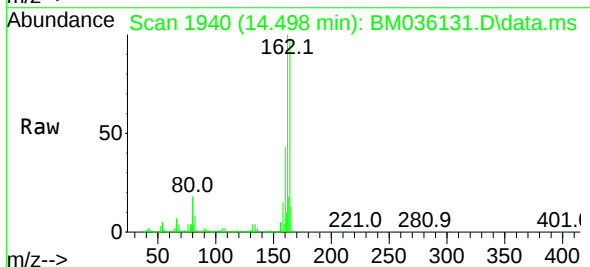
Tgt Ion: 82 Resp: 1402939
Ion Ratio Lower Upper
82 100
128 47.6 33.7 50.5
54 47.1 43.2 64.8

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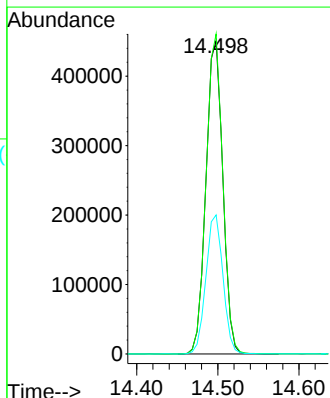
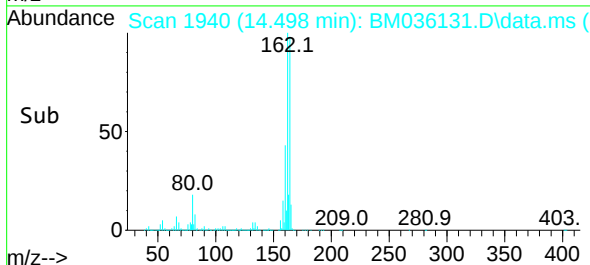
Reviewed By :Christian Giraldo 08/08/2022
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.498 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BM036131.D
Acq: 05 Aug 2022 22:27



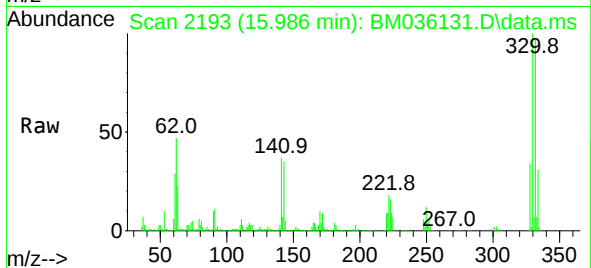
Tgt Ion:164 Resp: 650248
Ion Ratio Lower Upper
164 100
162 102.1 83.0 124.6
160 44.4 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 119.556 ng
RT: 15.986 min Scan# 2195
Delta R.T. -0.000 min
Lab File: BM036131.D
Acq: 05 Aug 2022 22:27

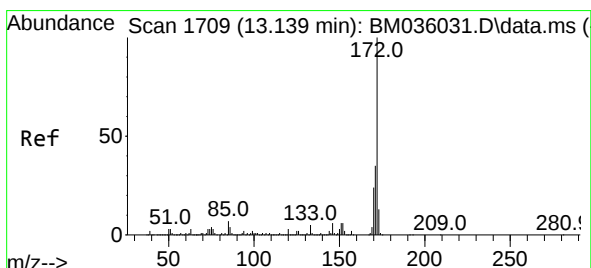
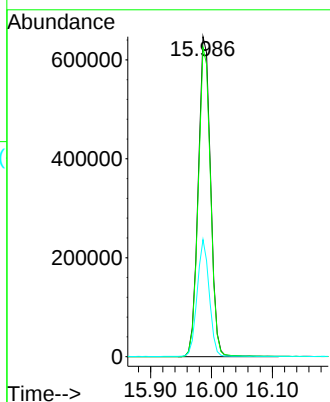
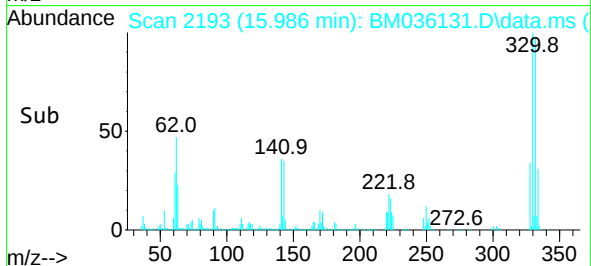
Instrument :
BNA_M
ClientSampleId :
RVE-170



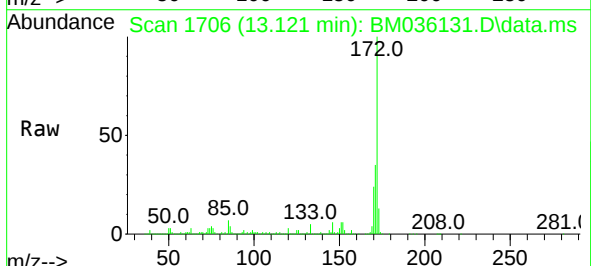
Tgt Ion:330 Resp: 912002
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.4
141 35.4 35.3 52.9

Manual Integrations
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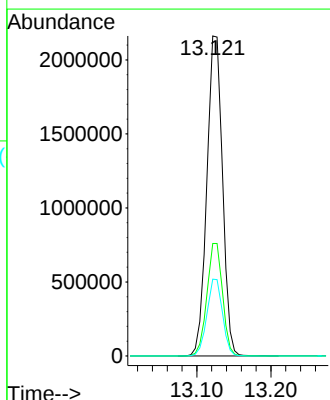
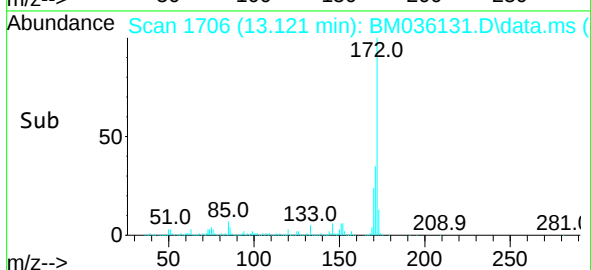
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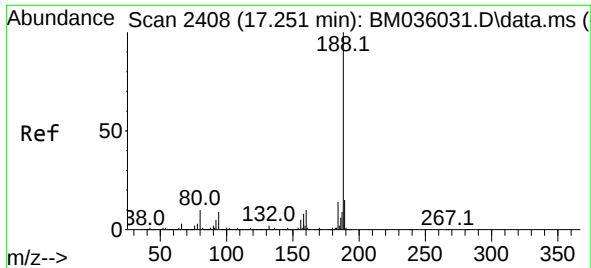


#45
2-Fluorobiphenyl
Concen: 72.103 ng
RT: 13.121 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BM036131.D
Acq: 05 Aug 2022 22:27



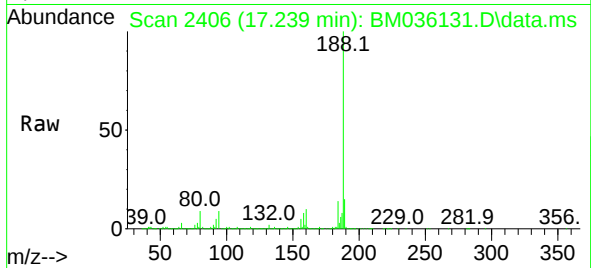
Tgt Ion:172 Resp: 3175449
Ion Ratio Lower Upper
172 100
171 35.1 28.5 42.7
170 24.0 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.239 min Scan# 2406
Delta R.T. -0.000 min
Lab File: BM036131.D
Acq: 05 Aug 2022 22:27

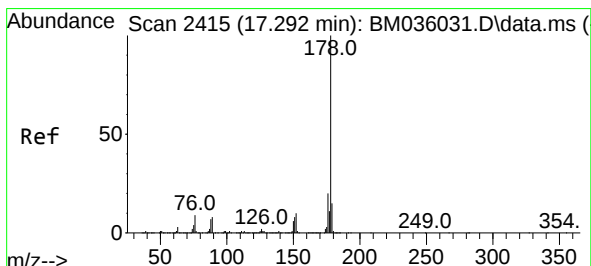
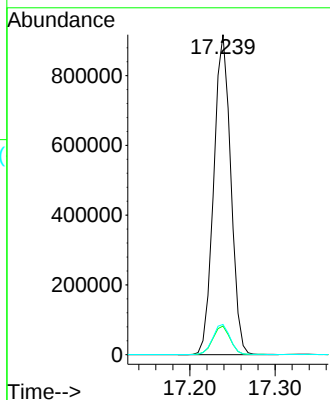
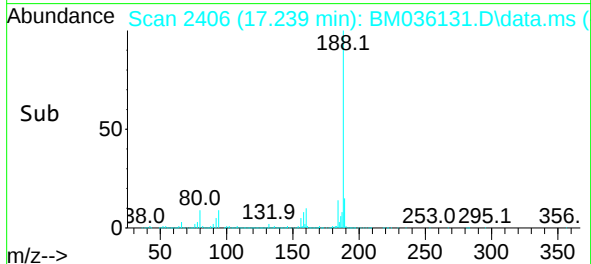
Instrument :
BNA_M
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RVE-170



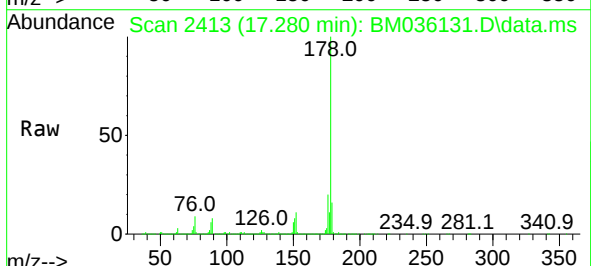
Tgt Ion:188 Resp: 127474
Ion Ratio Lower Upper
188 100
94 8.9 7.0 10.4
80 9.4 7.6 11.4

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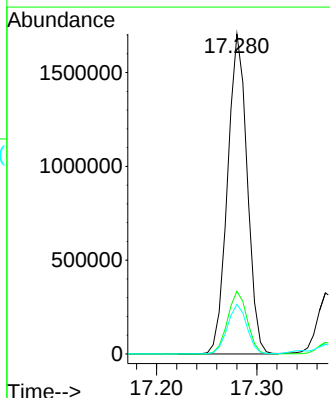
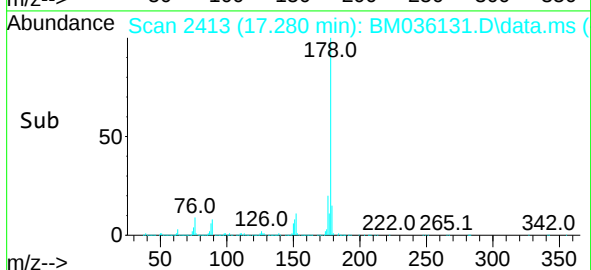
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

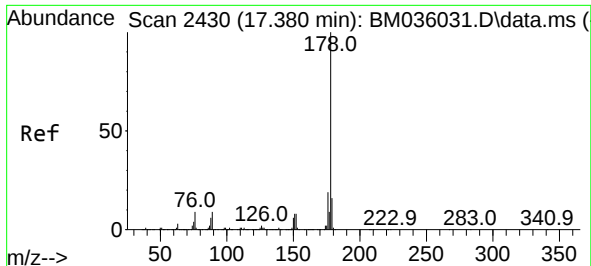


#71
Phenanthrene
Concen: 35.710 ng
RT: 17.280 min Scan# 2413
Delta R.T. -0.000 min
Lab File: BM036131.D
Acq: 05 Aug 2022 22:27



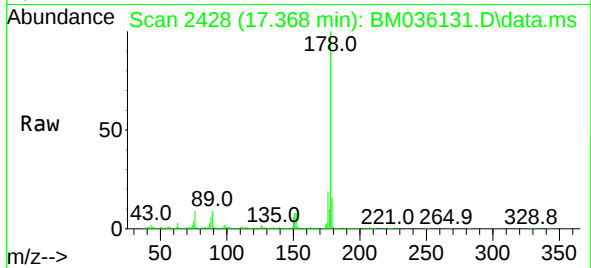
Tgt Ion:178 Resp: 2319145
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.5 12.4 18.6





#72
 Anthracene
 Concen: 7.211 ng
 RT: 17.368 min Scan# 2430
 Delta R.T. -0.006 min
 Lab File: BM036131.D
 Acq: 05 Aug 2022 22:27

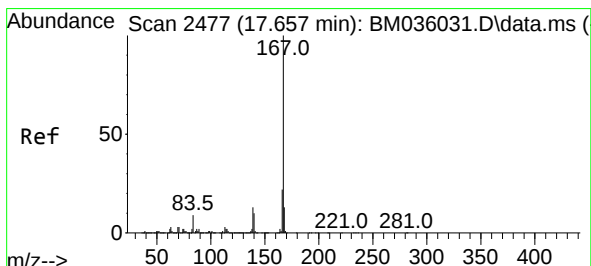
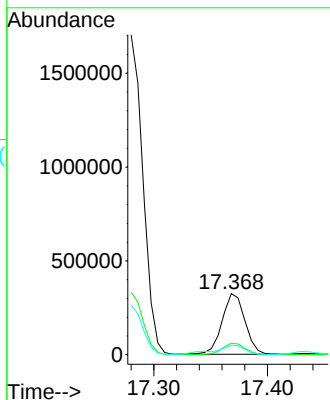
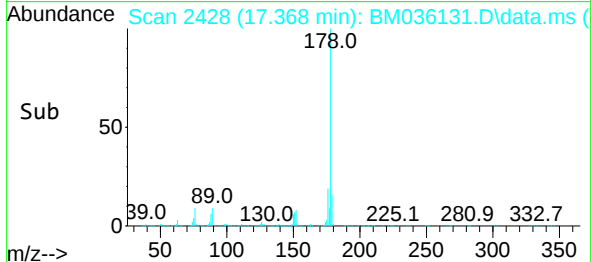
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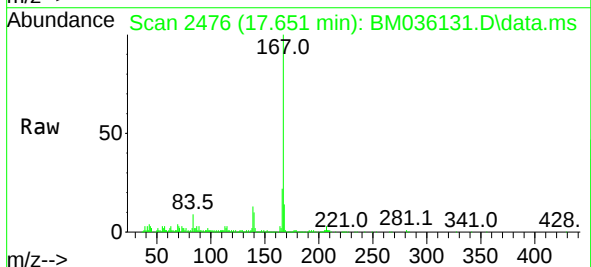
Tgt Ion:178 Resp: 453370
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.0 22.4
 179 15.7 12.2 18.2

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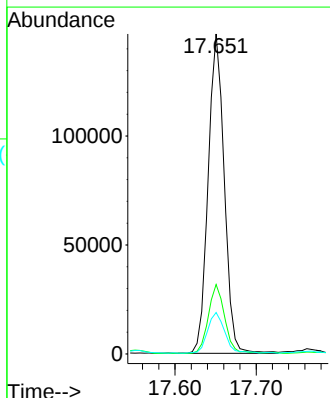
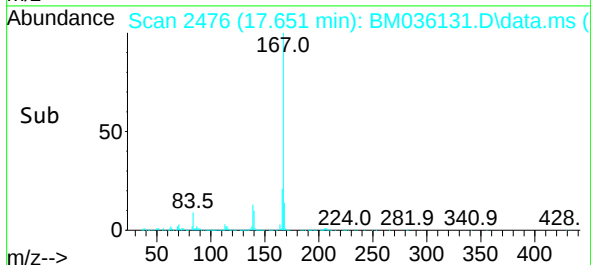
Reviewed By :Christian Giraldo 08/08/2022
 Supervised By :Jagrut Upadhyay 08/08/2022

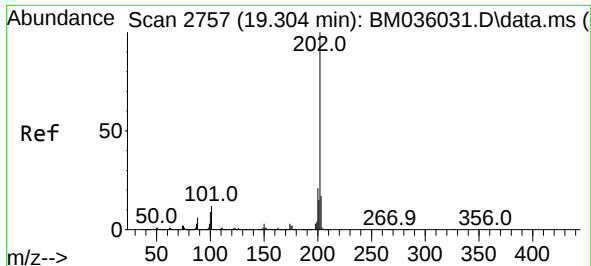


#73
 Carbazole
 Concen: 3.166 ng
 RT: 17.651 min Scan# 2476
 Delta R.T. 0.006 min
 Lab File: BM036131.D
 Acq: 05 Aug 2022 22:27



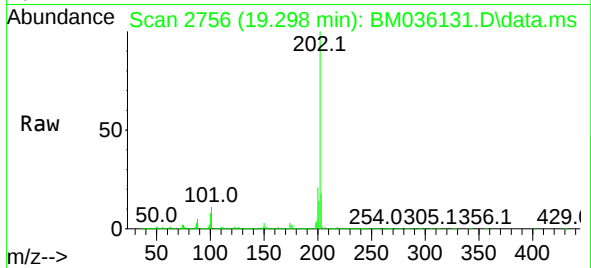
Tgt Ion:167 Resp: 201711
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.8 26.8
 139 12.9 10.9 16.3





#75
Fluoranthene
Concen: 47.492 ng
RT: 19.298 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM036131.D
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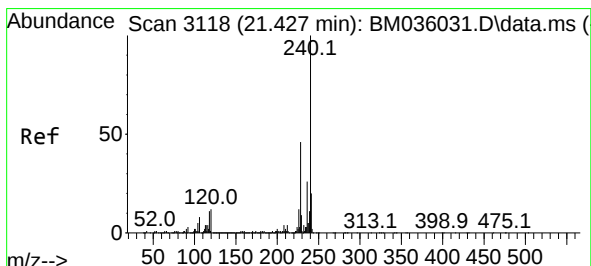
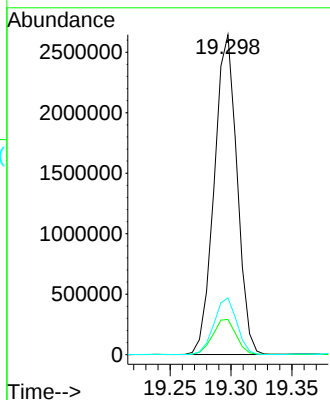
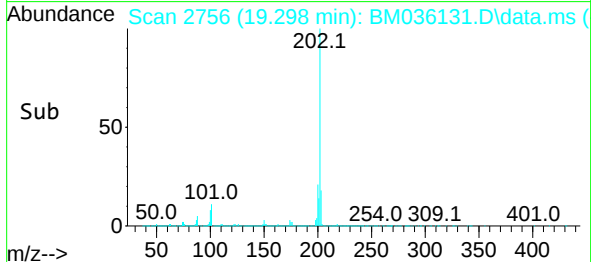
Instrument :
BNA_M
ClientSampleId :
RVE-170



Tgt Ion:202 Resp: 345251
Ion Ratio Lower Upper
202 100
101 11.0 0.0 30.6
203 17.7 0.0 37.4

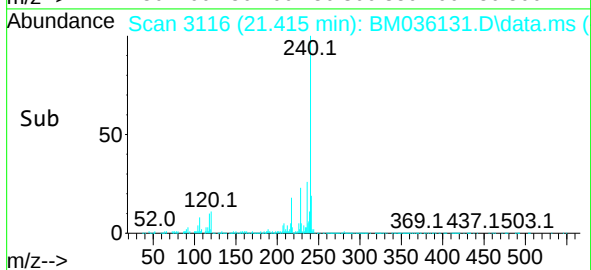
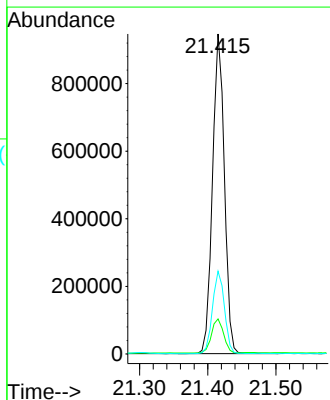
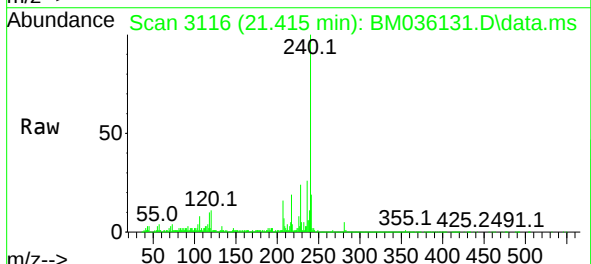
Manual Integrations
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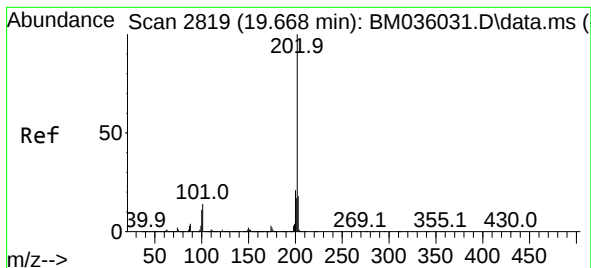
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.415 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BM036131.D
Acq: 05 Aug 2022 22:27

Tgt Ion:240 Resp: 1147286
Ion Ratio Lower Upper
240 100
120 11.0 9.4 14.0
236 25.9 20.6 30.8





#78

Pyrene

Concen: 37.167 ng

RT: 19.656 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM036131.D

Acq: 05 Aug 2022 22:27

Instrument :

BNA_M

ClientSampleId :

RVE-170

Tgt Ion:202 Resp: 2644200

Ion Ratio Lower Upper

202 100

200 21.5 16.7 25.1

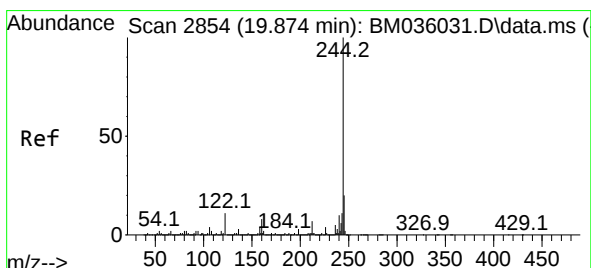
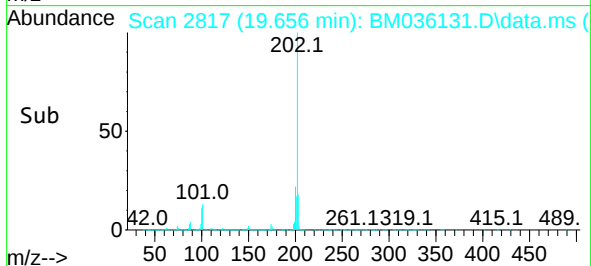
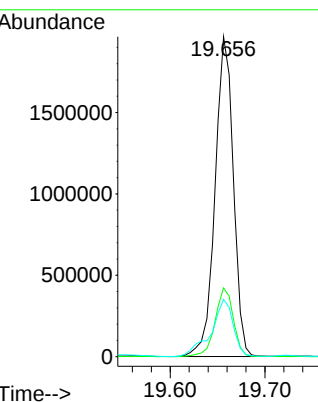
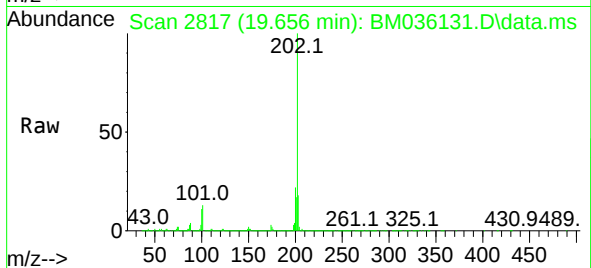
203 17.9 13.9 20.9

Manual Integrations

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Reviewed By :Christian Giraldo 08/08/2022

Supervised By :Jagrut Upadhyay 08/08/2022



#79

Terphenyl-d14

Concen: 74.708 ng

RT: 19.862 min Scan# 2852

Delta R.T. -0.006 min

Lab File: BM036131.D

Acq: 05 Aug 2022 22:27

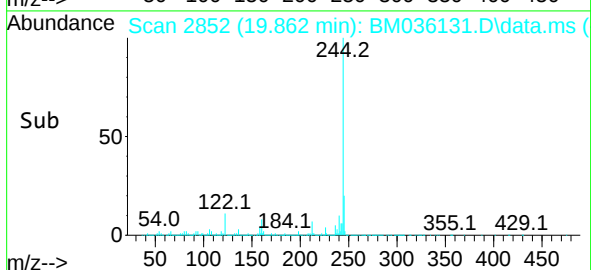
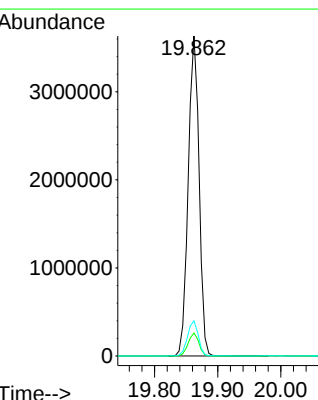
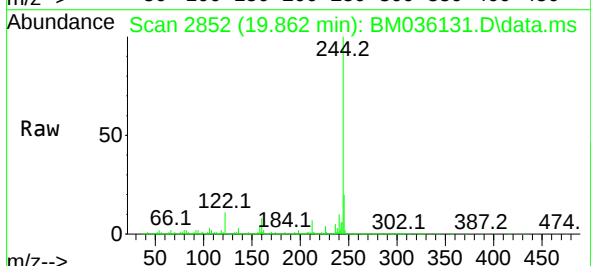
Tgt Ion:244 Resp: 4345429

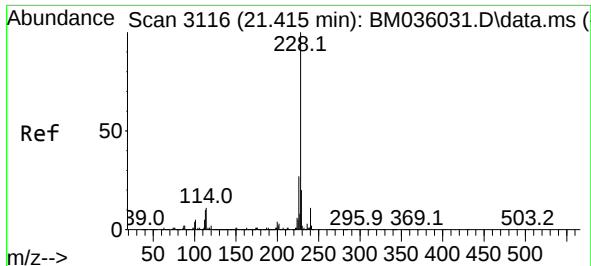
Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.4

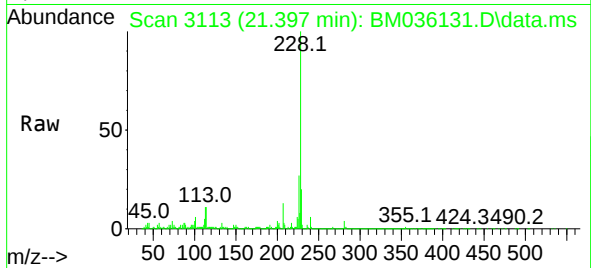
122 10.9 8.3 12.5





#81
Benzo(a)anthracene
Concen: 20.489 ng
RT: 21.397 min Scan# 3113
Delta R.T. -0.012 min
Lab File: BM036131.D
Acq: 05 Aug 2022 22:27

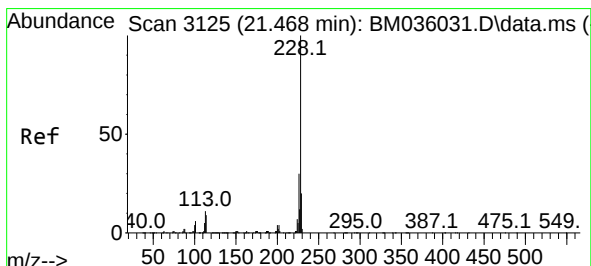
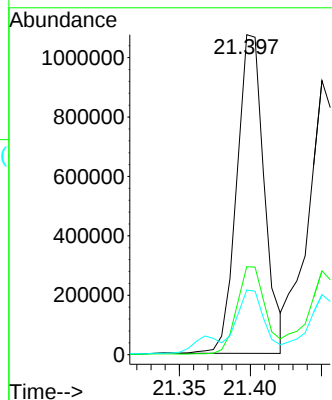
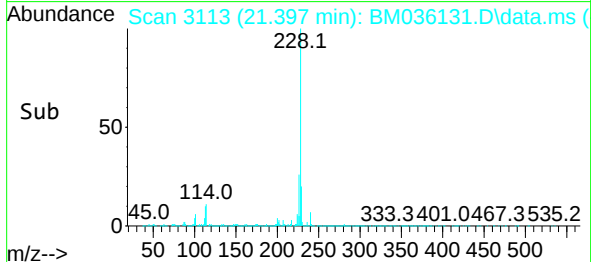
Instrument :
BNA_M
ClientSampleId :
RVE-170



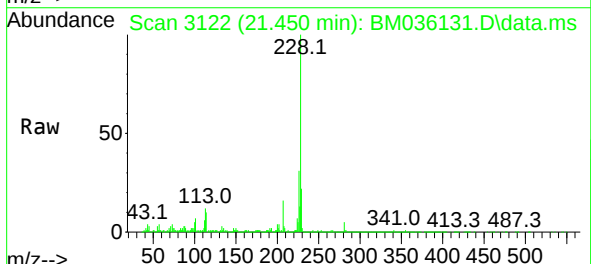
Tgt Ion:228 Resp: 1447864
Ion Ratio Lower Upper
228 100
226 27.5 22.3 33.5
229 20.2 15.8 23.6

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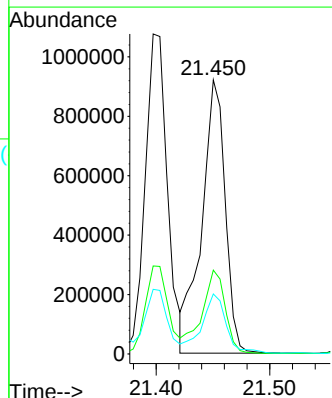
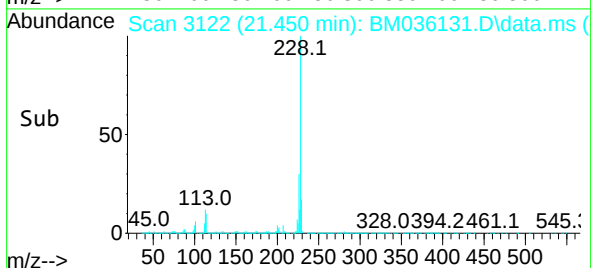
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

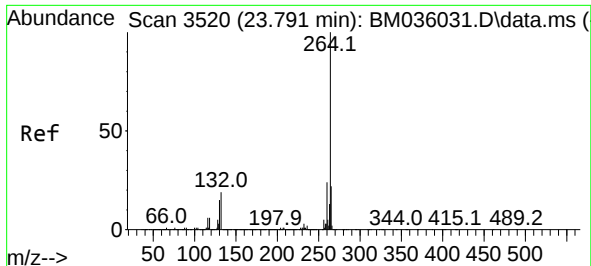


#83
Chrysene
Concen: 19.678 ng
RT: 21.450 min Scan# 3122
Delta R.T. -0.012 min
Lab File: BM036131.D
Acq: 05 Aug 2022 22:27



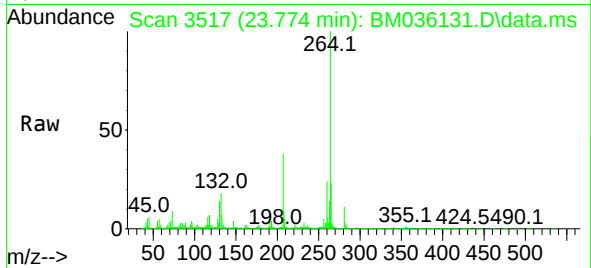
Tgt Ion:228 Resp: 1321884
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 21.9 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.774 min Scan# 3517
Delta R.T. -0.012 min
Lab File: BM036131.D
Acq: 05 Aug 2022 22:27

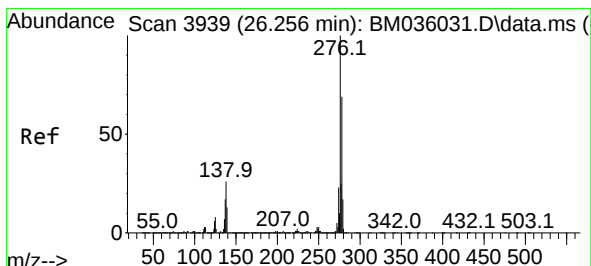
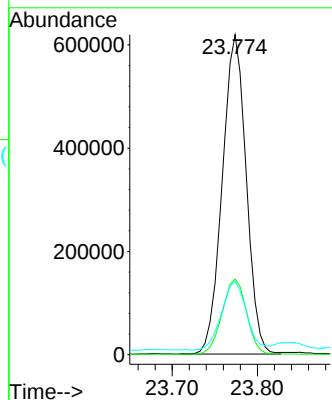
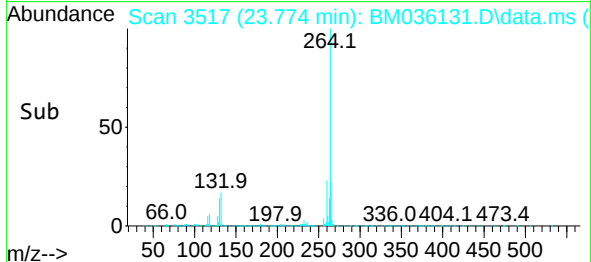
Instrument :
BNA_M
ClientSampleId :
RVE-170



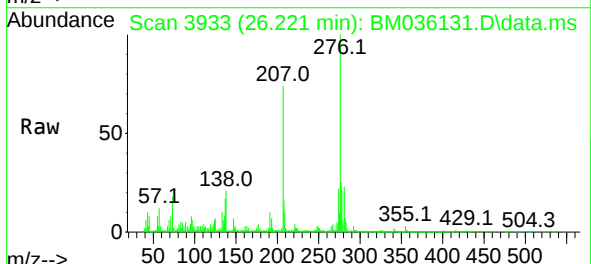
Tgt Ion:264 Resp: 120438
Ion Ratio Lower Upper
264 100
260 23.6 18.9 28.3
265 22.9 17.5 26.3

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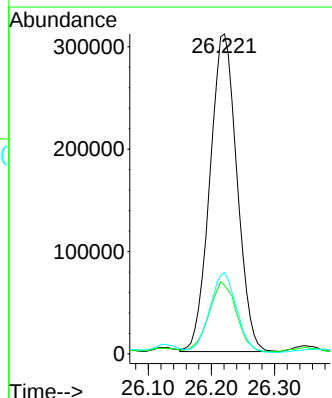
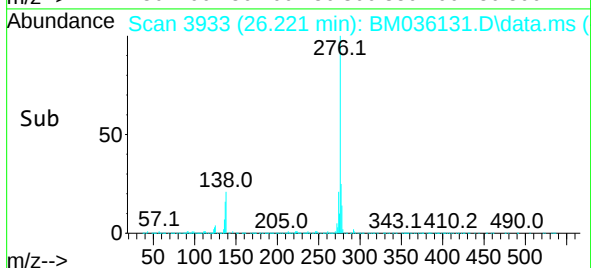
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

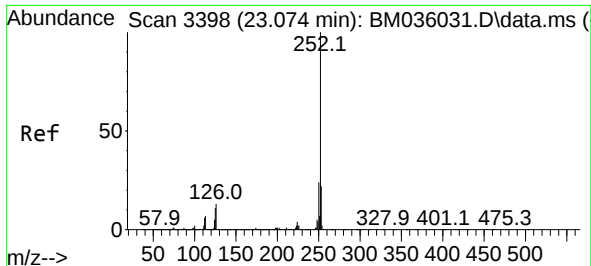


#87
Indeno(1,2,3-cd)pyrene
Concen: 10.920 ng
RT: 26.221 min Scan# 3933
Delta R.T. -0.024 min
Lab File: BM036131.D
Acq: 05 Aug 2022 22:27



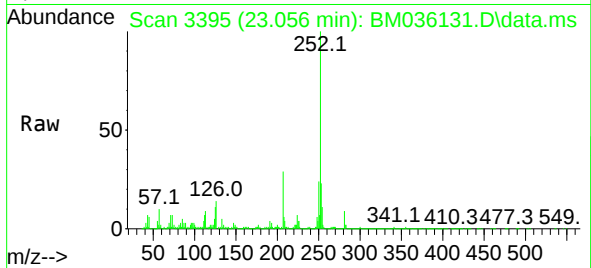
Tgt Ion:276 Resp: 924249
Ion Ratio Lower Upper
276 100
138 22.2 20.2 30.4
277 24.7 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 26.608 ng
RT: 23.056 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM036131.D
Acq: 05 Aug 2022 22:27

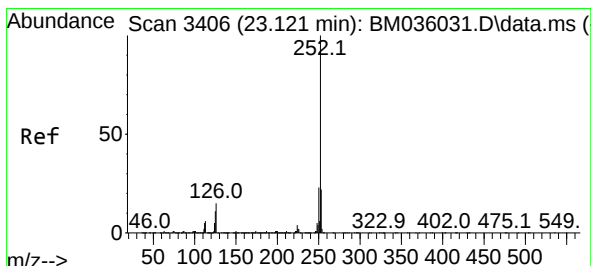
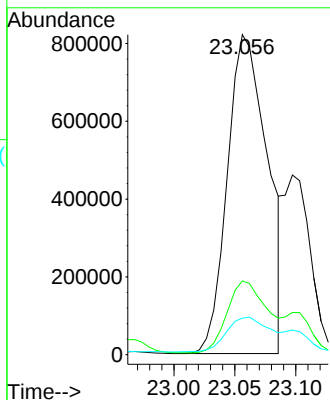
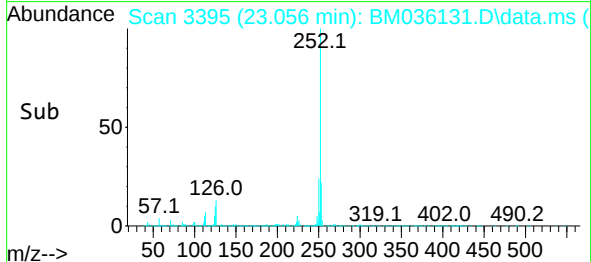
Instrument :
BNA_M
ClientSampleId :
RVE-170



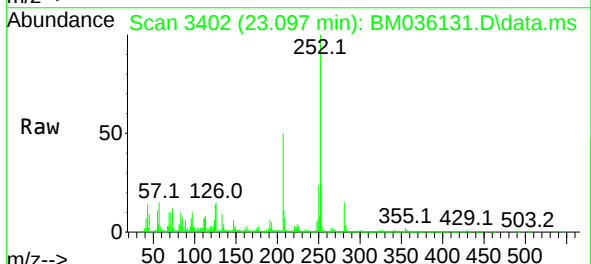
Tgt Ion:252 Resp: 1877589
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 11.4 7.6 11.4

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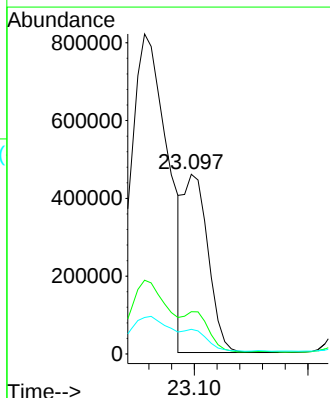
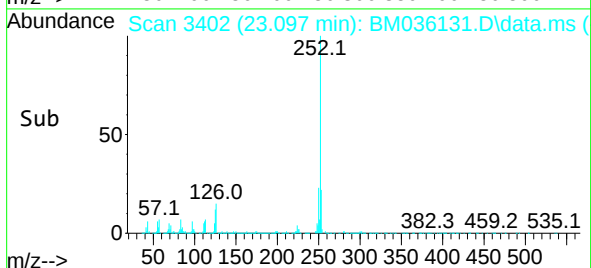
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

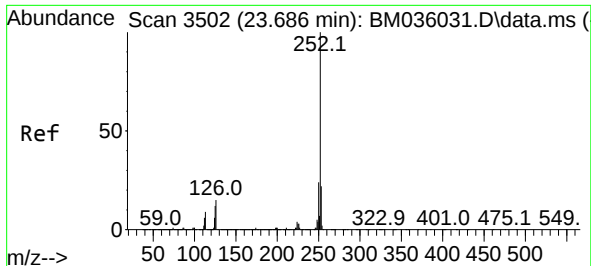


#89
Benzo(k)fluoranthene
Concen: 9.752 ng m
RT: 23.097 min Scan# 3402
Delta R.T. -0.018 min
Lab File: BM036131.D
Acq: 05 Aug 2022 22:27



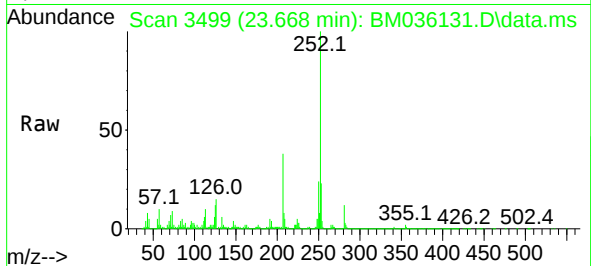
Tgt Ion:252 Resp: 694993
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 13.7 7.6 11.4#





#90
Benzo(a)pyrene
Concen: 19.838 ng
RT: 23.668 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM036131.D
Acq: 05 Aug 2022 22:27

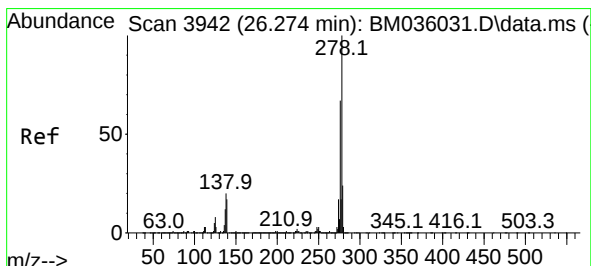
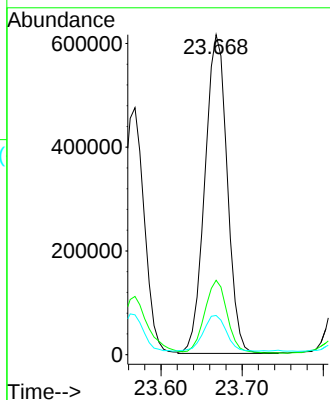
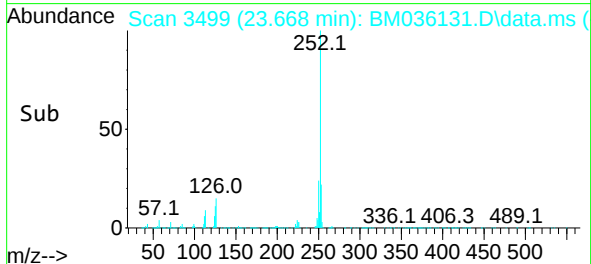
Instrument :
BNA_M
ClientSampleId :
RVE-170



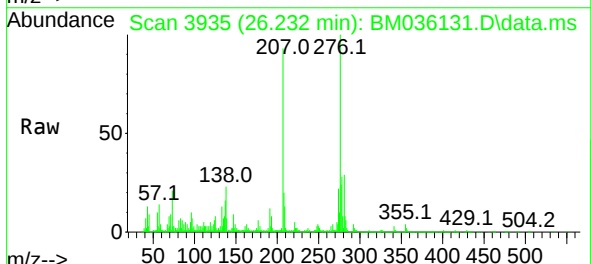
Tgt Ion:252 Resp: 1174520
Ion Ratio Lower Upper
252 100
253 23.2 17.2 25.8
125 12.2 8.7 13.1

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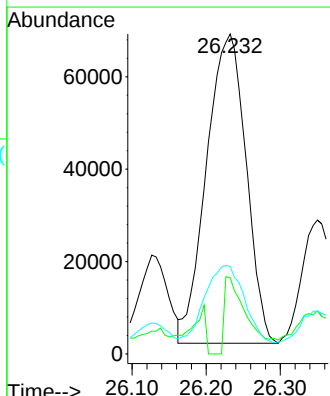
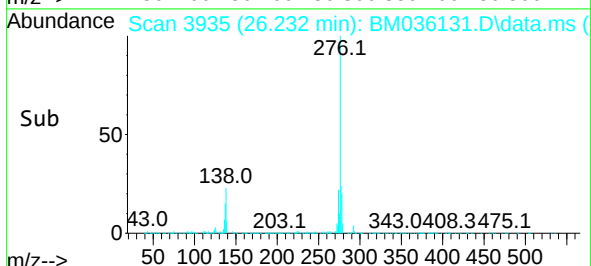
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

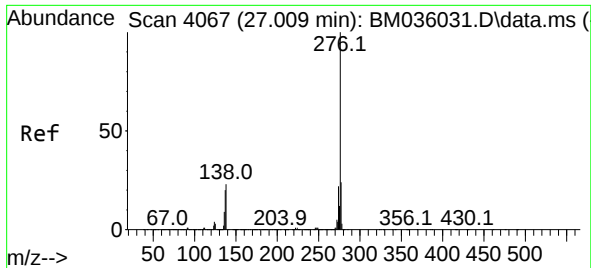


#91
Dibenzo(a,h)anthracene
Concen: 3.501 ng
RT: 26.232 min Scan# 3935
Delta R.T. -0.029 min
Lab File: BM036131.D
Acq: 05 Aug 2022 22:27



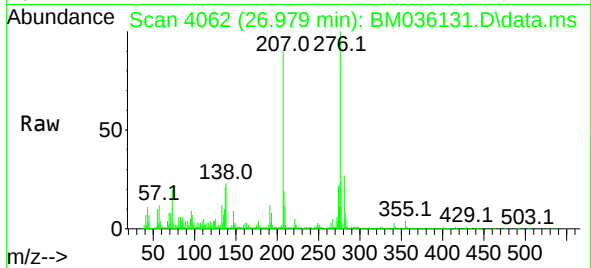
Tgt Ion:278 Resp: 248057
Ion Ratio Lower Upper
278 100
139 23.8 12.9 19.3#
279 27.4 18.7 28.1





#92
Benzo(g,h,i)perylene
Concen: 12.406 ng
RT: 26.979 min Scan# 4062
Delta R.T. -0.018 min
Lab File: BM036131.D
Acq: 05 Aug 2022 22:27

Instrument :
BNA_M
ClientSampleId :
RVE-170



Tgt Ion: 276 Resp: 85090
Ion Ratio Lower Upper
276 100
277 24.1 18.7 28.1
138 22.9 17.6 26.4

Manual Integrations
APPROVED

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

