

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080222\
 Data File : BM036067.D
 Acq On : 03 Aug 2022 00:33
 Operator : CG/JU
 Sample : N3896-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RVE-67

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/03/2022
 Supervised By : Jagrut Upadhyay 08/04/2022

Quant Time: Aug 03 01:38:19 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 01 17:50:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.869	152	396298	20.000	ng	0.00
21) Naphthalene-d8	10.675	136	1696978	20.000	ng	0.00
39) Acenaphthene-d10	14.504	164	997054	20.000	ng	0.00
64) Phenanthrene-d10	17.245	188	2005780	20.000	ng	0.00
76) Chrysene-d12	21.421	240	1774967	20.000	ng	0.00
86) Perylene-d12	23.786	264	1445924	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	3794898	155.250	ng	0.00
7) Phenol-d6	7.045	99	4798708	154.284	ng	0.00
23) Nitrobenzene-d5	9.039	82	2921263	96.361	ng	0.00
42) 2,4,6-Tribromophenol	15.992	330	1861077	159.110	ng	0.00
45) 2-Fluorobiphenyl	13.139	172	6528483	96.676	ng	0.00
79) Terphenyl-d14	19.874	244	9489353	105.451	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.286	178	477127	4.669	ng	99
75) Fluoranthene	19.304	202	1254494	10.967	ng	99
78) Pyrene	19.662	202	1125295	10.224	ng	100
81) Benzo(a)anthracene	21.409	228	616792	5.642	ng	99
83) Chrysene	21.456	228	642255m	6.180	ng	
87) Indeno(1,2,3-cd)pyrene	26.232	276	316844	3.118	ng	98
88) Benzo(b)fluoranthene	23.068	252	759584	8.966	ng	# 95
89) Benzo(k)fluoranthene	23.109	252	254083m	2.970	ng	
90) Benzo(a)pyrene	23.680	252	455461	6.408	ng	# 97
92) Benzo(g,h,i)perylene	26.997	276	304503	3.698	ng	99

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

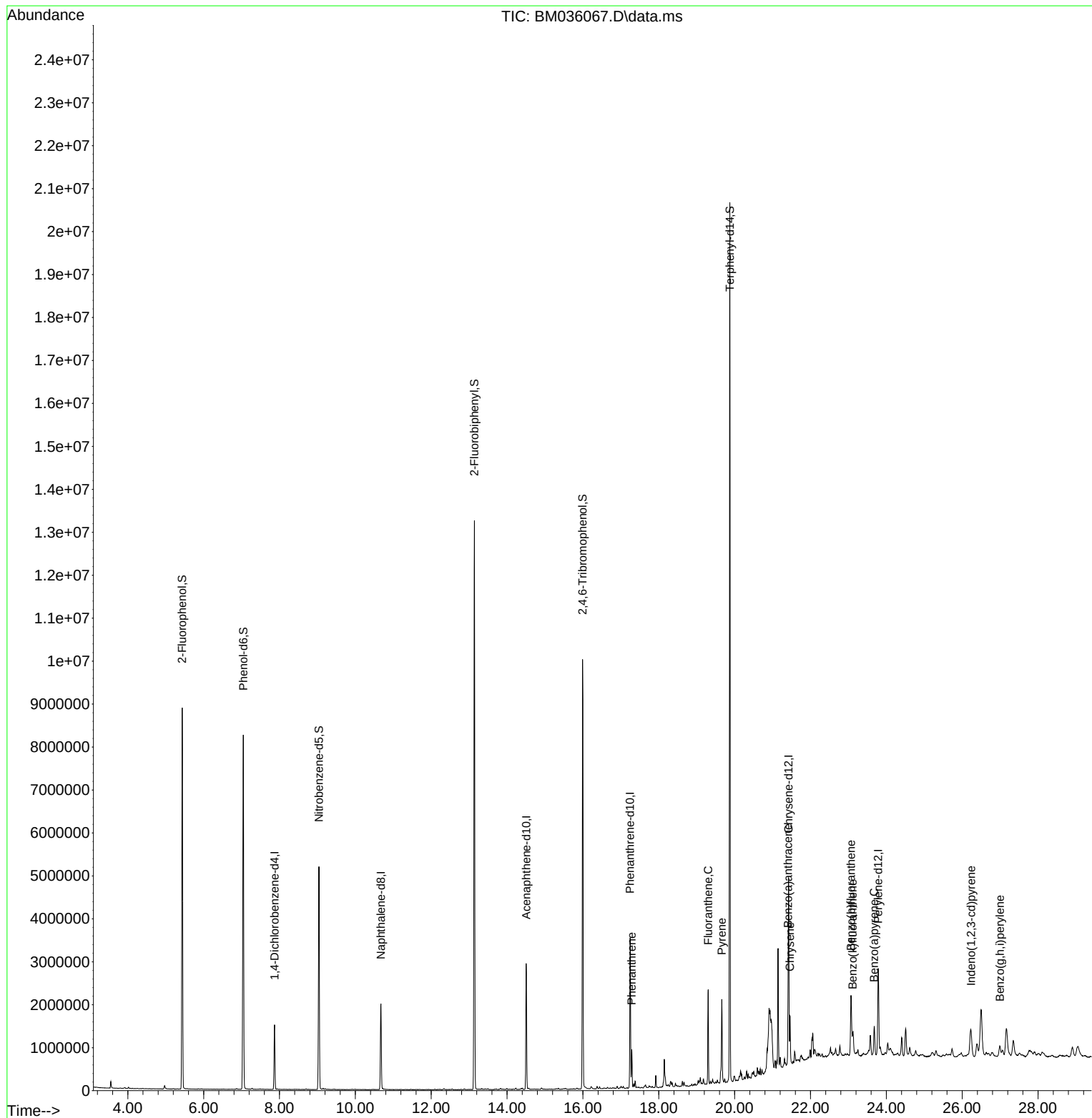
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080222\
Data File : BM036067.D
Acq On : 03 Aug 2022 00:33
Operator : CG/JU
Sample : N3896-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

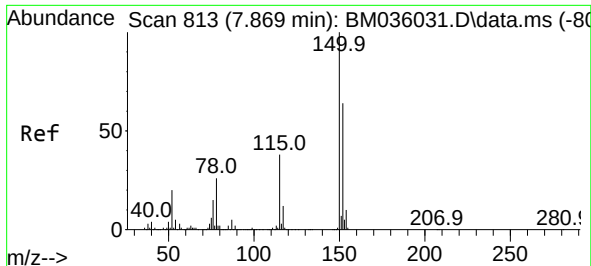
Instrument :
BNA_M
ClientSampleId :
RVE-67

Quant Time: Aug 03 01:38:19 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

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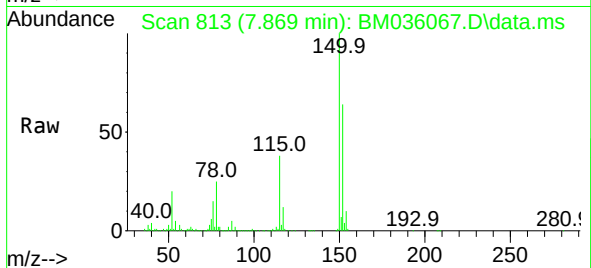
Reviewed By : Christian Giraldo 08/03/2022
Supervised By : Jagrut Upadhyay 08/04/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BM036067.D
Acq: 03 Aug 2022 00:33

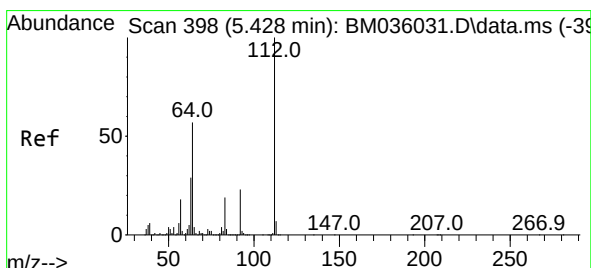
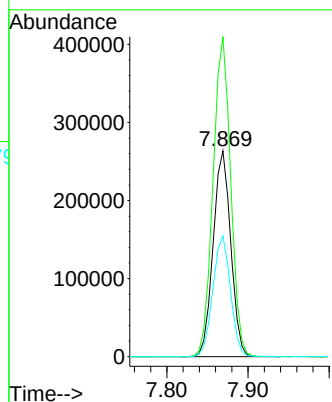
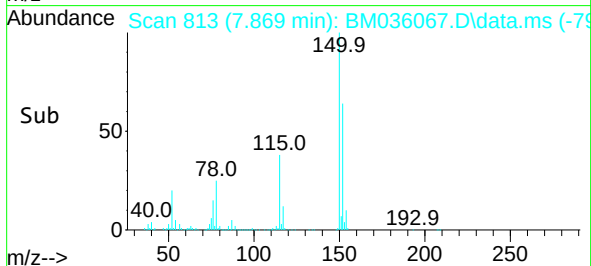
Instrument :
BNA_M
ClientSampleId :
RVE-67



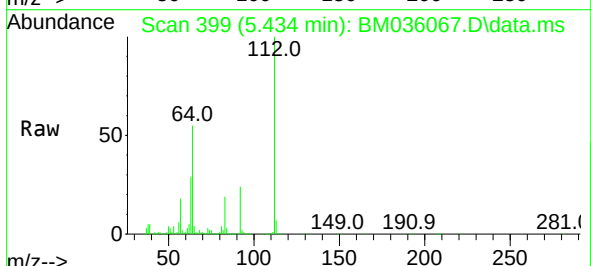
Tgt Ion:152 Resp: 396298
Ion Ratio Lower Upper
152 100
150 155.6 124.9 187.3
115 58.8 47.9 71.9

Manual Integrations
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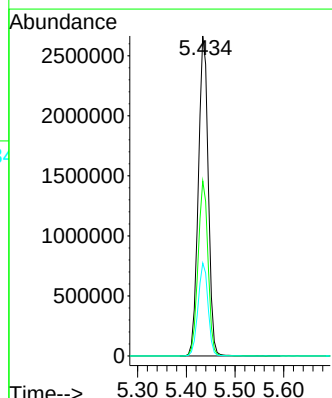
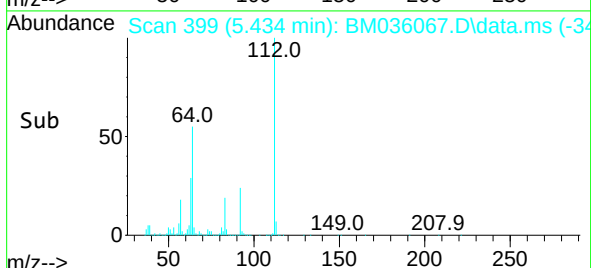
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022

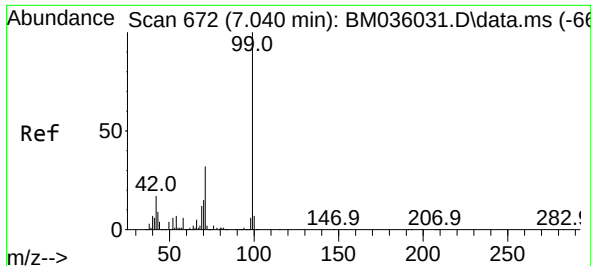


#5
2-Fluorophenol
Concen: 155.250 ng
RT: 5.434 min Scan# 399
Delta R.T. 0.006 min
Lab File: BM036067.D
Acq: 03 Aug 2022 00:33



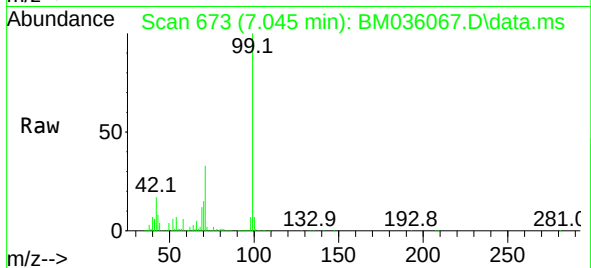
Tgt Ion:112 Resp: 3794898
Ion Ratio Lower Upper
112 100
64 54.7 47.8 71.6
63 29.0 26.6 40.0





#7
Phenol-d6
Concen: 154.284 ng
RT: 7.045 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM036067.D
Acq: 03 Aug 2022 00:33

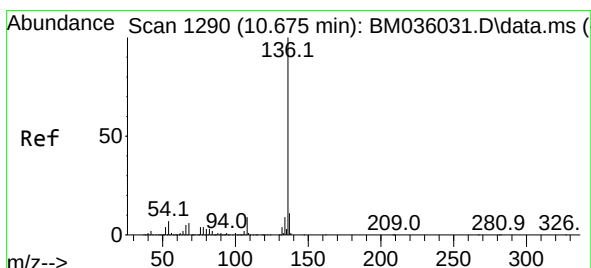
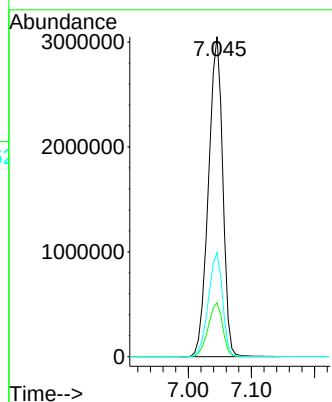
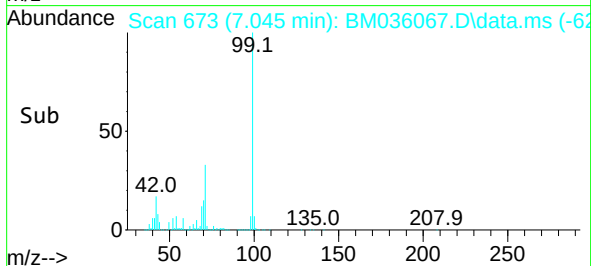
Instrument :
BNA_M
ClientSampleId :
RVE-67



Tgt Ion: 99 Resp: 4798708
Ion Ratio Lower Upper
99 100
42 16.8 18.8 28.2
71 32.6 30.2 45.2

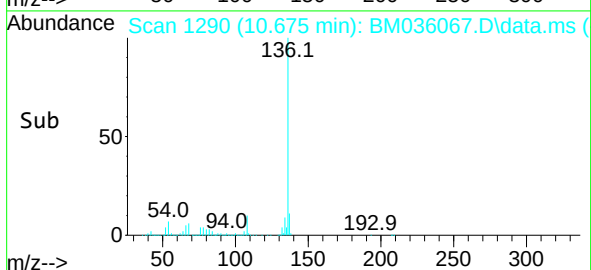
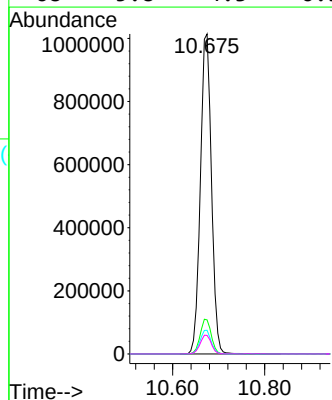
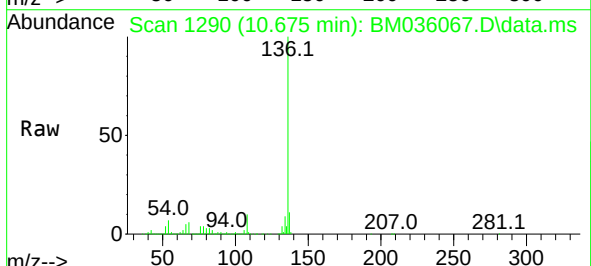
Manual Integrations
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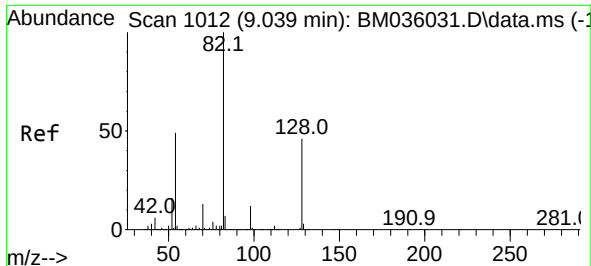
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.675 min Scan# 1290
Delta R.T. 0.000 min
Lab File: BM036067.D
Acq: 03 Aug 2022 00:33

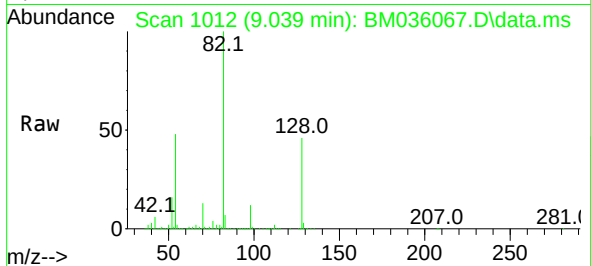
Tgt Ion:136 Resp: 1696978
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.4 7.0 10.4
68 5.8 4.3 6.5





#23
Nitrobenzene-d5
Concen: 96.361 ng
RT: 9.039 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BM036067.D
Acq: 03 Aug 2022 00:33

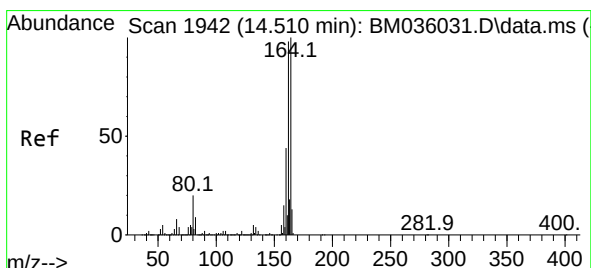
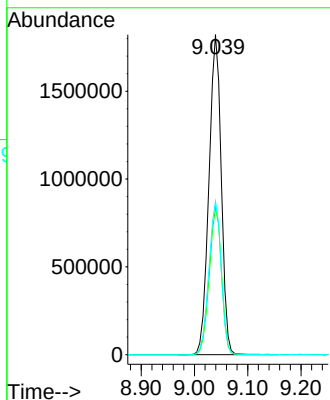
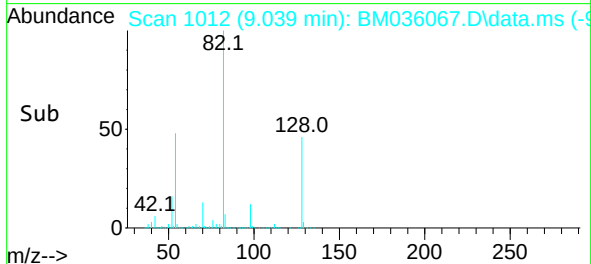
Instrument :
BNA_M
ClientSampleId :
RVE-67



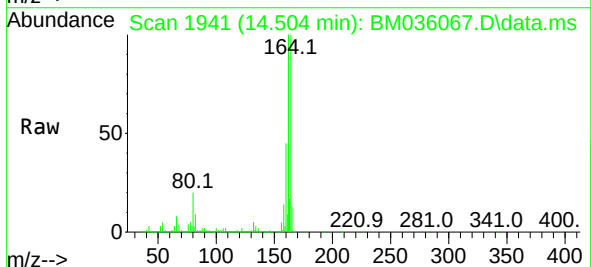
Tgt Ion: 82 Resp: 292126
Ion Ratio Lower Upper
82 100
128 46.0 33.7 50.5
54 47.9 43.2 64.8

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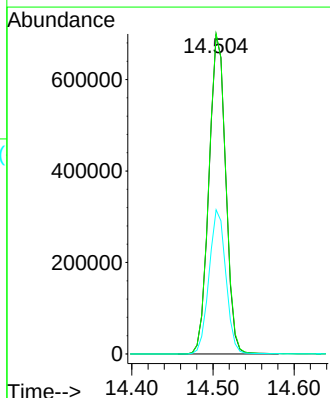
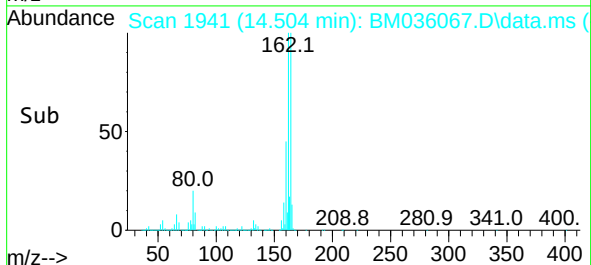
Reviewed By :Christian Giraldo 08/03/2022
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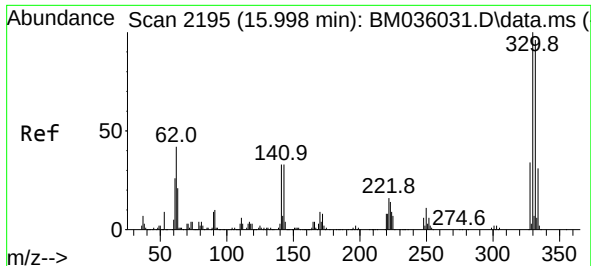


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.504 min Scan# 1941
Delta R.T. -0.006 min
Lab File: BM036067.D
Acq: 03 Aug 2022 00:33



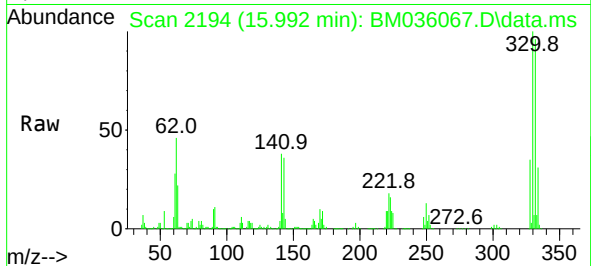
Tgt Ion:164 Resp: 997054
Ion Ratio Lower Upper
164 100
162 100.2 83.0 124.6
160 45.2 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 159.110 ng
RT: 15.992 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BM036067.D
Acq: 03 Aug 2022 00:33

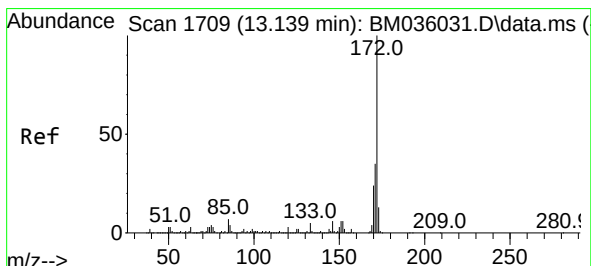
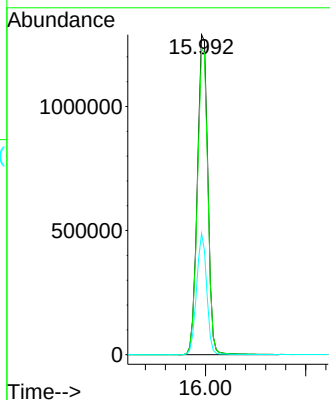
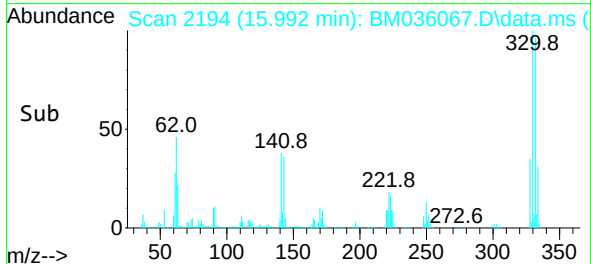
Instrument :
BNA_M
ClientSampleId :
RVE-67



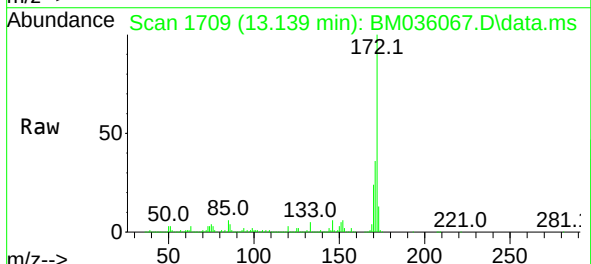
Tgt Ion:330 Resp: 186107
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.4
141 36.7 35.3 52.9

Manual Integrations
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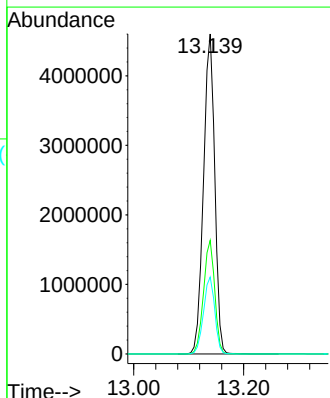
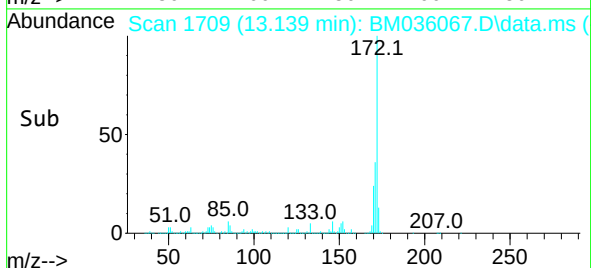
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022

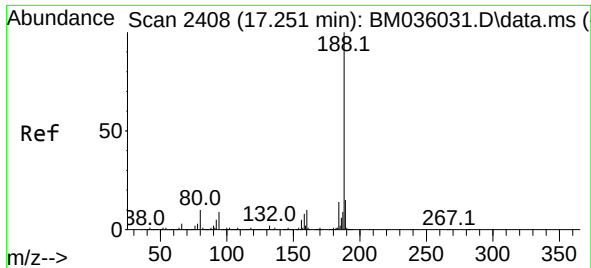


#45
2-Fluorobiphenyl
Concen: 96.676 ng
RT: 13.139 min Scan# 1709
Delta R.T. 0.000 min
Lab File: BM036067.D
Acq: 03 Aug 2022 00:33



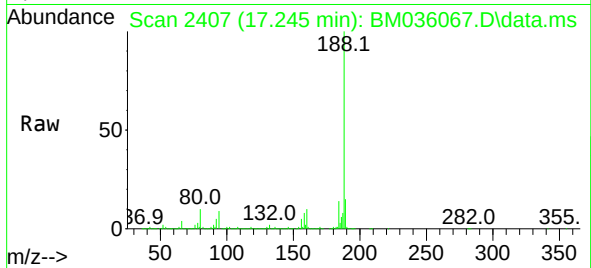
Tgt Ion:172 Resp: 6528483
Ion Ratio Lower Upper
172 100
171 35.5 28.5 42.7
170 24.1 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 2407
Delta R.T. -0.006 min
Lab File: BM036067.D
Acq: 03 Aug 2022 00:33

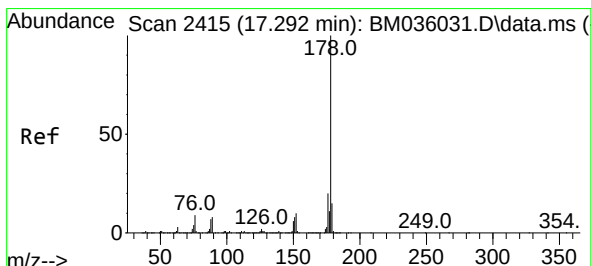
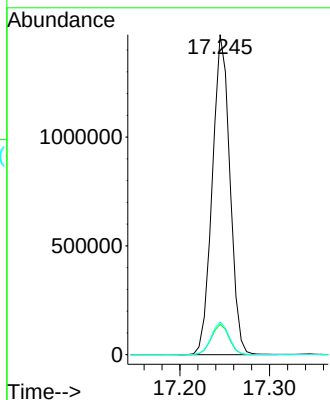
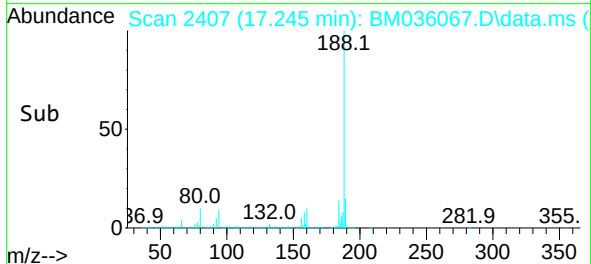
Instrument :
BNA_M
ClientSampleId :
RVE-67



Tgt Ion:188 Resp: 2005780
Ion Ratio Lower Upper
188 100
94 9.5 7.0 10.4
80 10.2 7.6 11.4

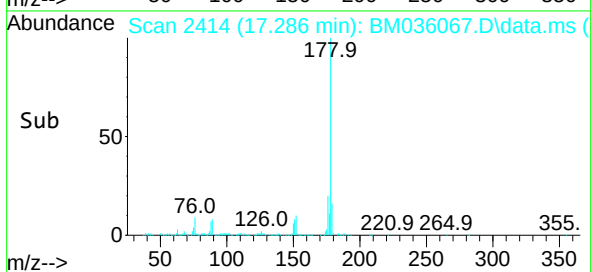
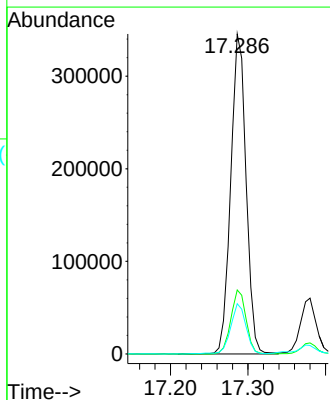
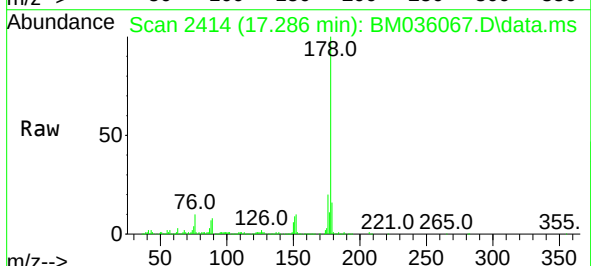
Manual Integrations
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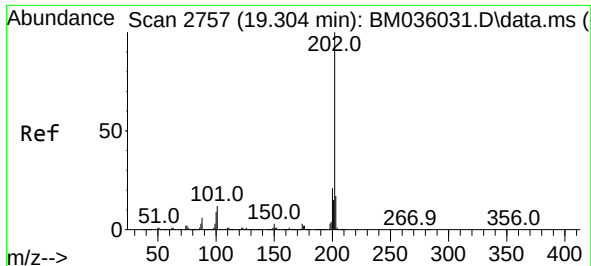
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022



#71
Phenanthrene
Concen: 4.669 ng
RT: 17.286 min Scan# 2414
Delta R.T. -0.006 min
Lab File: BM036067.D
Acq: 03 Aug 2022 00:33

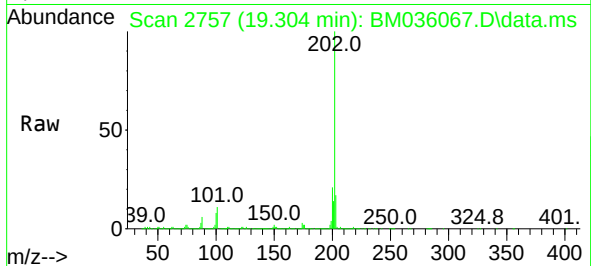
Tgt Ion:178 Resp: 477127
Ion Ratio Lower Upper
178 100
176 20.0 15.4 23.0
179 15.7 12.4 18.6





#75
Fluoranthene
Concen: 10.967 ng
RT: 19.304 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM036067.D
Acq: 03 Aug 2022 00:33

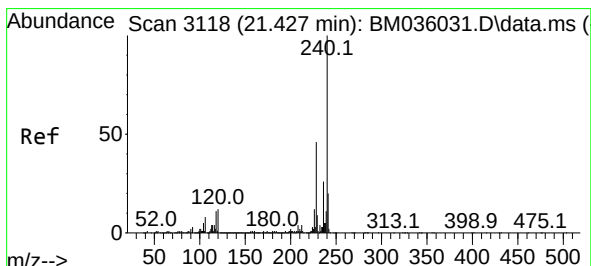
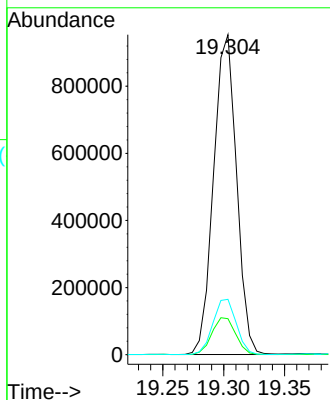
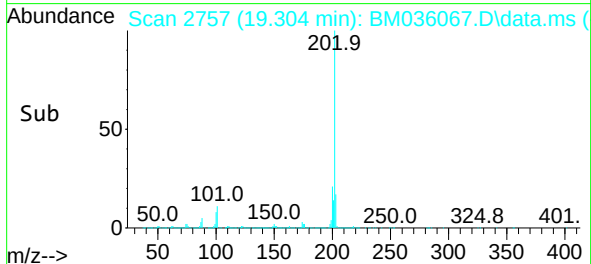
Instrument :
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RVE-67



Tgt Ion:202 Resp: 1254494
Ion Ratio Lower Upper
202 100
101 11.3 0.0 30.6
203 17.3 0.0 37.4

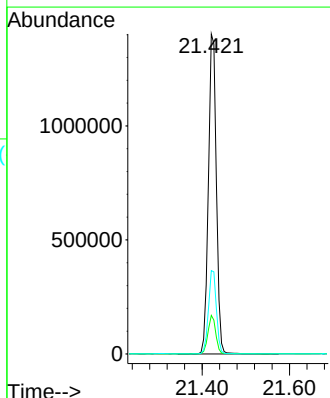
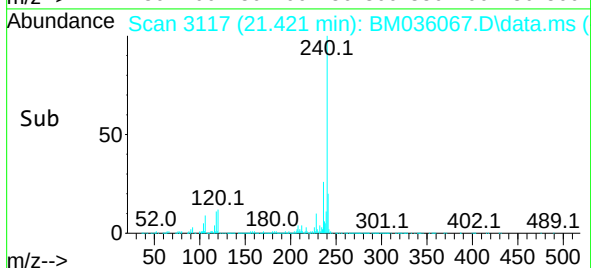
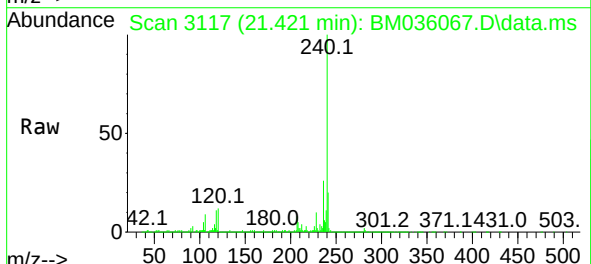
Manual Integrations
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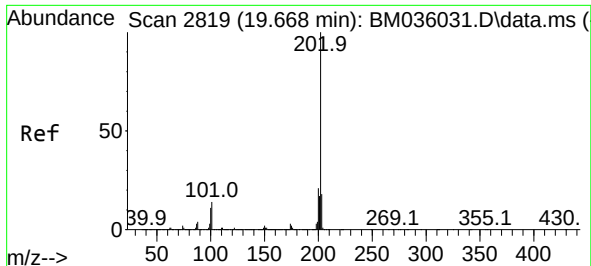
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.421 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BM036067.D
Acq: 03 Aug 2022 00:33

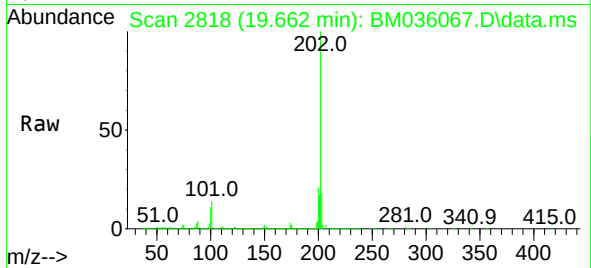
Tgt Ion:240 Resp: 1774967
Ion Ratio Lower Upper
240 100
120 12.1 9.4 14.0
236 26.1 20.6 30.8





#78
Pyrene
Concen: 10.224 ng
RT: 19.662 min Scan# 2819
Delta R.T. -0.006 min
Lab File: BM036067.D
Acq: 03 Aug 2022 00:33

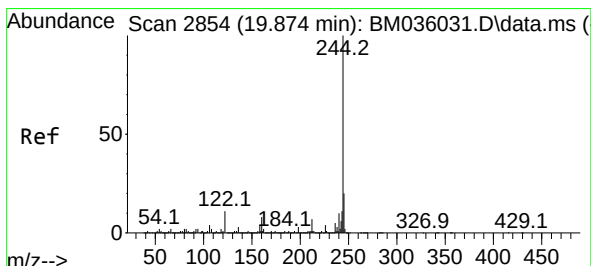
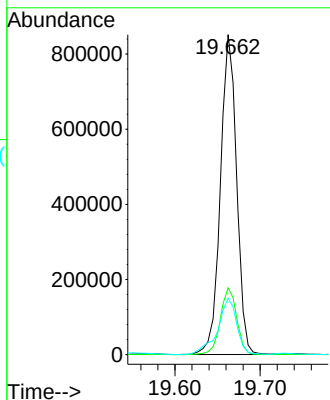
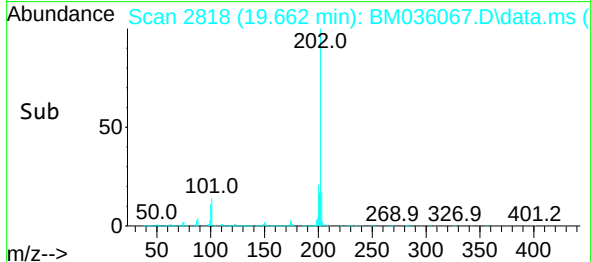
Instrument :
BNA_M
ClientSampleId :
RVE-67



Tgt Ion:202 Resp: 112529
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 17.7 13.9 20.9

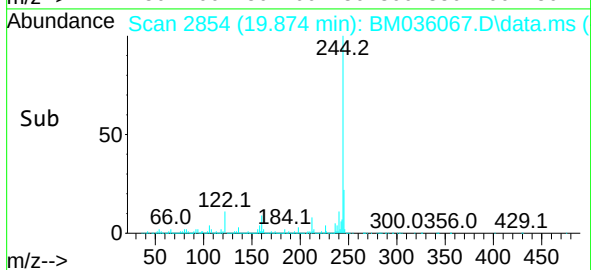
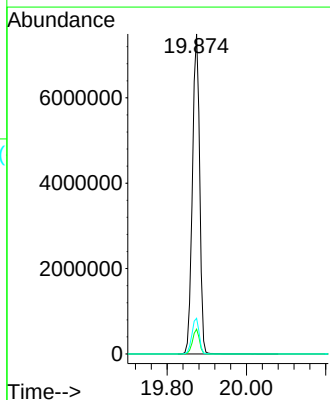
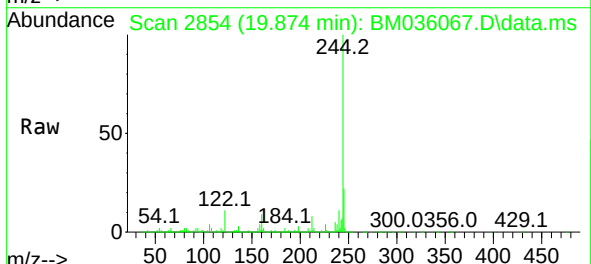
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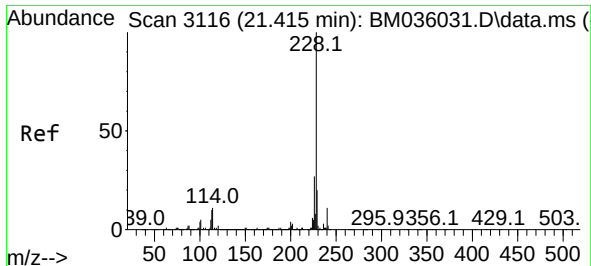
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022



#79
Terphenyl-d14
Concen: 105.451 ng
RT: 19.874 min Scan# 2854
Delta R.T. 0.000 min
Lab File: BM036067.D
Acq: 03 Aug 2022 00:33

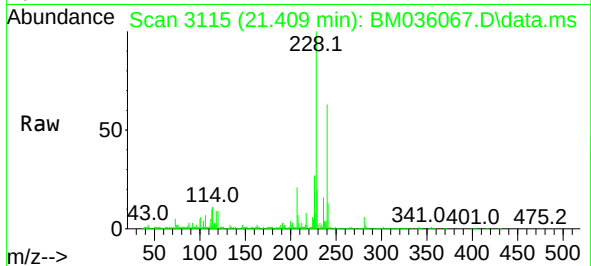
Tgt Ion:244 Resp: 9489353
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.4
122 11.2 8.3 12.5





#81
Benzo(a)anthracene
Concen: 5.642 ng
RT: 21.409 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BM036067.D
Acq: 03 Aug 2022 00:33

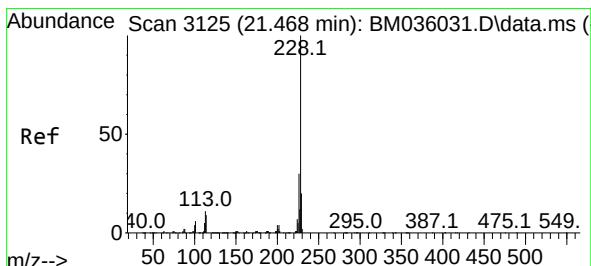
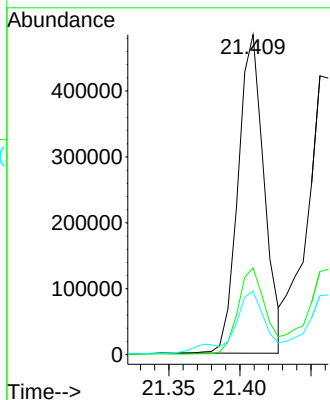
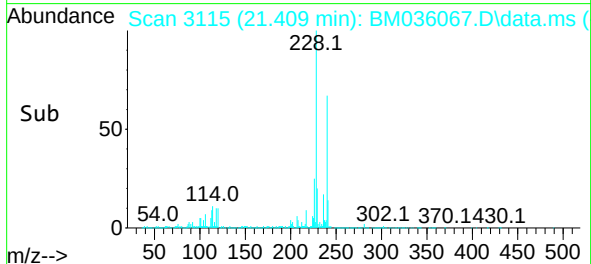
Instrument :
BNA_M
ClientSampleId :
RVE-67



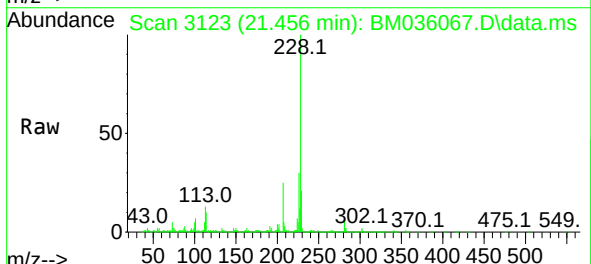
Tgt Ion:228 Resp: 616792
Ion Ratio Lower Upper
228 100
226 27.1 22.3 33.5
229 19.9 15.8 23.6

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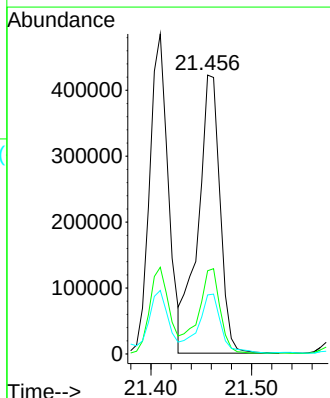
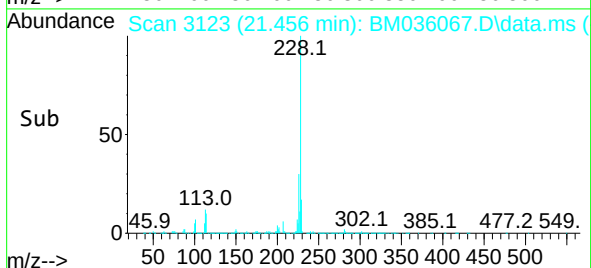
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022

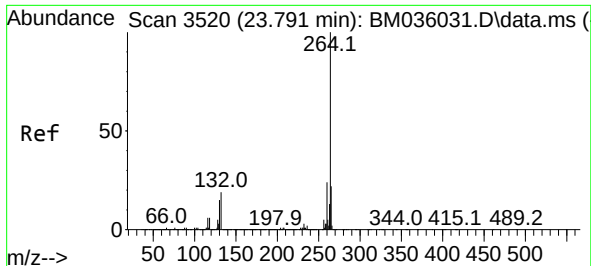


#83
Chrysene
Concen: 6.180 ng m
RT: 21.456 min Scan# 3123
Delta R.T. -0.012 min
Lab File: BM036067.D
Acq: 03 Aug 2022 00:33



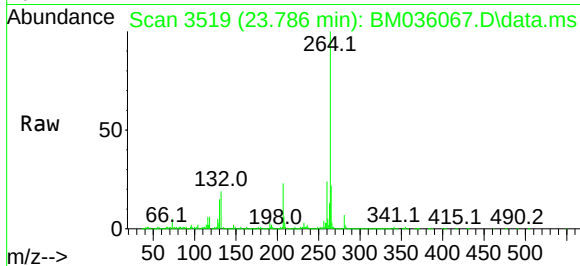
Tgt Ion:228 Resp: 642255
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 21.2 15.8 23.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.786 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BM036067.D
 Acq: 03 Aug 2022 00:33

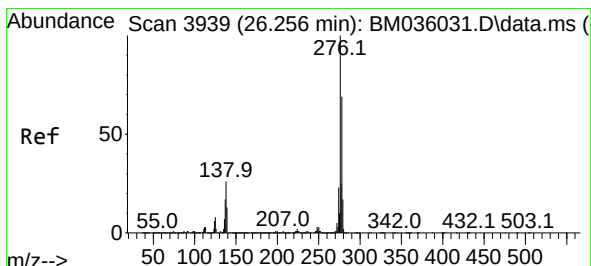
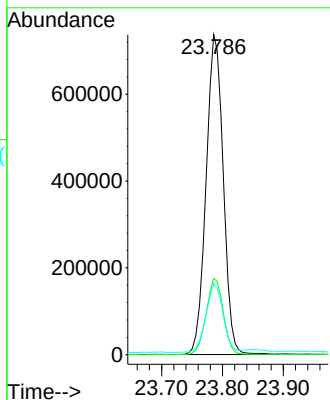
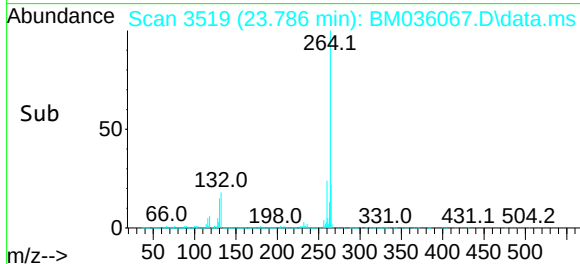
Instrument :
 BNA_M
 ClientSampleId :
 RVE-67



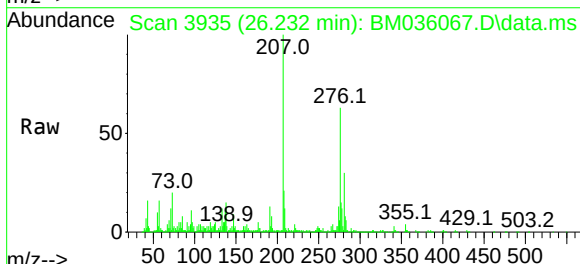
Tgt Ion:264 Resp: 1445924
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.9 28.3
 265 22.2 17.5 26.3

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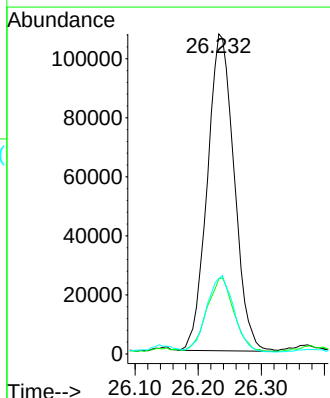
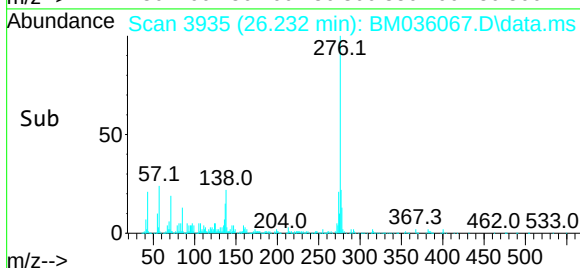
Reviewed By :Christian Giraldo 08/03/2022
 Supervised By :Jagrut Upadhyay 08/04/2022

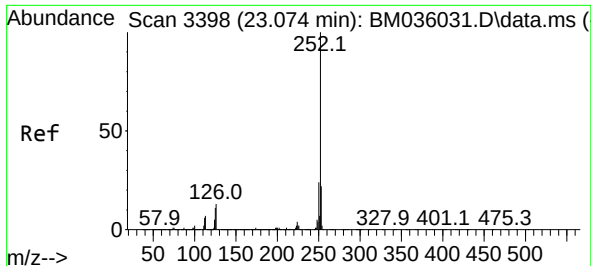


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.118 ng
 RT: 26.232 min Scan# 3935
 Delta R.T. -0.024 min
 Lab File: BM036067.D
 Acq: 03 Aug 2022 00:33



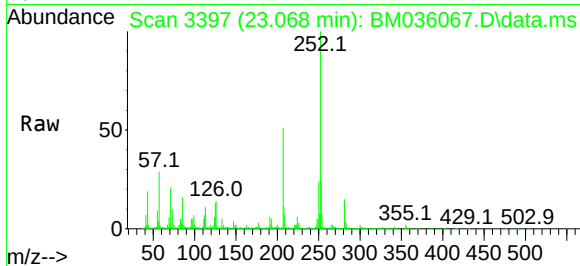
Tgt Ion:276 Resp: 316844
 Ion Ratio Lower Upper
 276 100
 138 23.4 20.2 30.4
 277 24.7 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 8.966 ng
RT: 23.068 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM036067.D
Acq: 03 Aug 2022 00:33

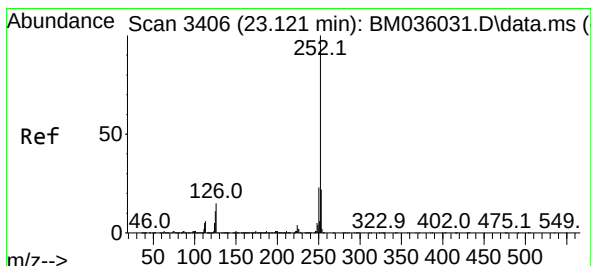
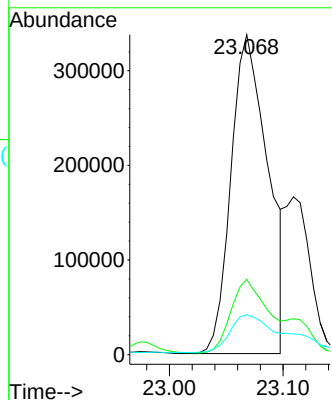
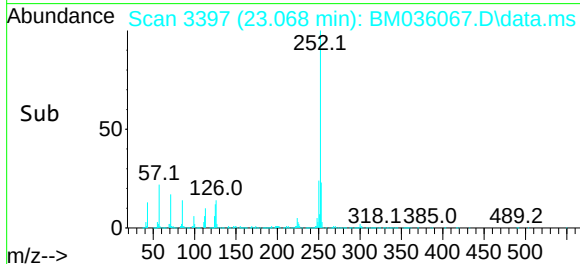
Instrument :
BNA_M
ClientSampleId :
RVE-67



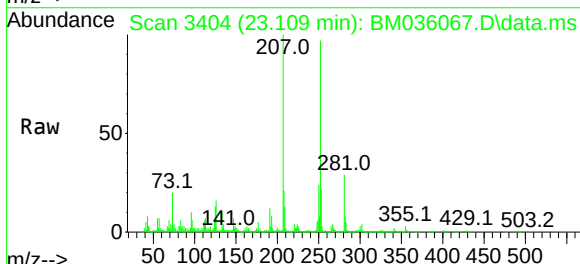
Tgt Ion:252 Resp: 759584
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 12.5 7.6 11.4

Manual Integrations
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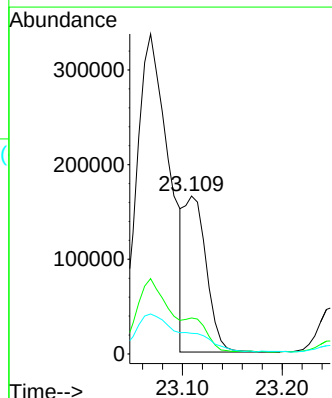
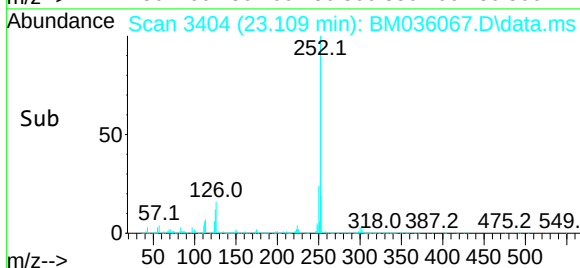
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022

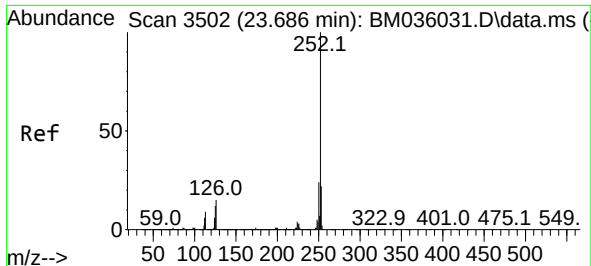


#89
Benzo(k)fluoranthene
Concen: 2.970 ng m
RT: 23.109 min Scan# 3404
Delta R.T. -0.012 min
Lab File: BM036067.D
Acq: 03 Aug 2022 00:33



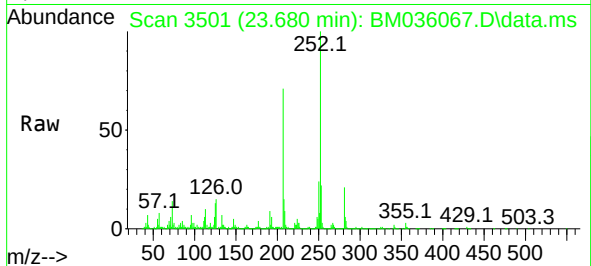
Tgt Ion:252 Resp: 254083
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 13.1 7.6 11.4





#90
Benzo(a)pyrene
Concen: 6.408 ng
RT: 23.680 min Scan# 3502
Delta R.T. -0.006 min
Lab File: BM036067.D
Acq: 03 Aug 2022 00:33

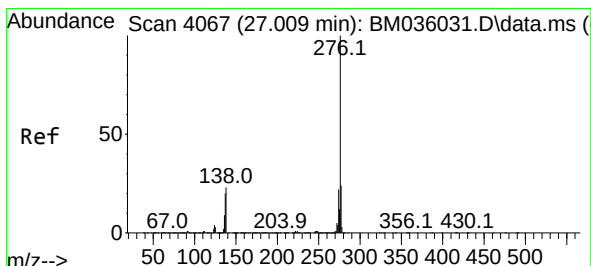
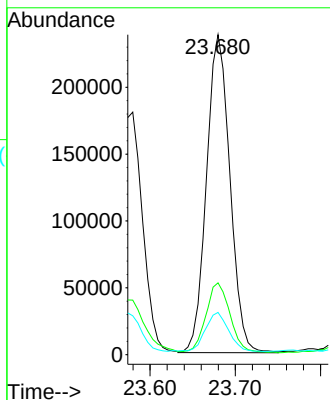
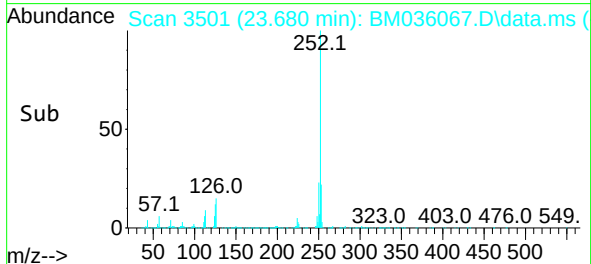
Instrument :
BNA_M
ClientSampleId :
RVE-67



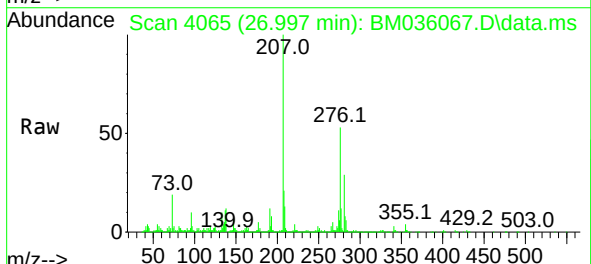
Tgt Ion: 252 Resp: 45546
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 13.2 8.7 13.1

Manual Integrations
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Reviewed By : Christian Giraldo 08/03/2022
Supervised By : Jagrut Upadhyay 08/04/2022



#92
Benzo(g,h,i)perylene
Concen: 3.698 ng
RT: 26.997 min Scan# 4065
Delta R.T. -0.012 min
Lab File: BM036067.D
Acq: 03 Aug 2022 00:33



Tgt Ion: 276 Resp: 304503
Ion Ratio Lower Upper
276 100
277 22.9 18.7 28.1
138 22.2 17.6 26.4

