

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080422\
 Data File : BM036108.D
 Acq On : 04 Aug 2022 20:58
 Operator : CG/JU
 Sample : N4023-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP1-1-6

Quant Time: Aug 05 03:40:51 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

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 08/05/2022
 Supervised By :Jagrut Upadhyay 08/05/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	373382	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	1644024	20.000	ng	0.00
39) Acenaphthene-d10	14.498	164	1011028	20.000	ng	0.00
64) Phenanthrene-d10	17.245	188	2007980	20.000	ng	0.00
76) Chrysene-d12	21.427	240	1337546	20.000	ng	0.00
86) Perylene-d12	23.785	264	1235582	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	2814574	122.212	ng	0.00
7) Phenol-d6	7.039	99	3682708	125.671	ng	0.00
23) Nitrobenzene-d5	9.033	82	2250752	76.635	ng	0.00
42) 2,4,6-Tribromophenol	15.992	330	1533536	129.296	ng	0.00
45) 2-Fluorobiphenyl	13.133	172	5182758	75.687	ng	0.00
79) Terphenyl-d14	19.868	244	6762497	99.725	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.221	152	420355	4.822	ng	99
52) Acenaphthene	14.563	154	116129	2.037	ng	99
58) Fluorene	15.545	166	155462	2.308	ng	97
71) Phenanthrene	17.286	178	2977036	29.101	ng	99
72) Anthracene	17.374	178	805027	8.128	ng	100
73) Carbazole	17.651	167	300134	2.991	ng	100
75) Fluoranthene	19.303	202	5847373	51.064	ng	98
78) Pyrene	19.662	202	5423212	65.386	ng	98
81) Benzo(a)anthracene	21.409	228	2578645	31.300	ng	97
83) Chrysene	21.462	228	2309013	29.484	ng	98
87) Indeno(1,2,3-cd)pyrene	26.244	276	1531637	17.639	ng	97
88) Benzo(b)fluoranthene	23.074	252	3110085	42.962	ng	# 97
89) Benzo(k)fluoranthene	23.115	252	950973m	13.006	ng	
90) Benzo(a)pyrene	23.685	252	2193767	36.118	ng	97
91) Dibenzo(a,h)anthracene	26.250	278	390183m	5.368	ng	
92) Benzo(g,h,i)perylene	27.003	276	1486959	21.133	ng	98

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

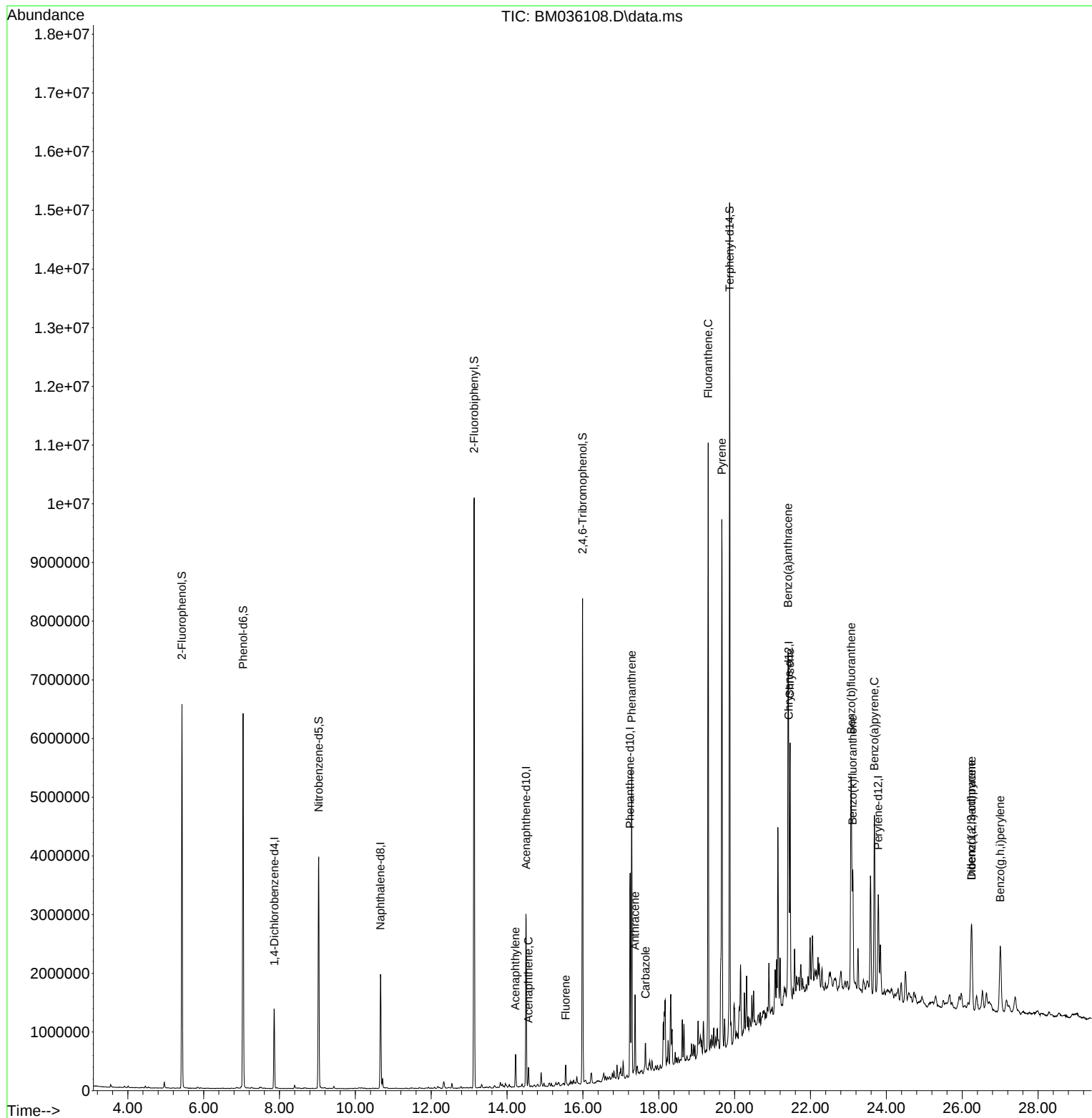
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080422\
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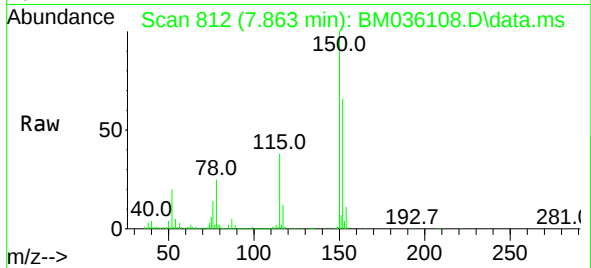
Reviewed By : Christian Giraldo 08/05/2022
Supervised By : Jagrut Upadhyay 08/05/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 813
Delta R.T. 0.006 min
Lab File: BM036108.D
Acq: 04 Aug 2022 20:58

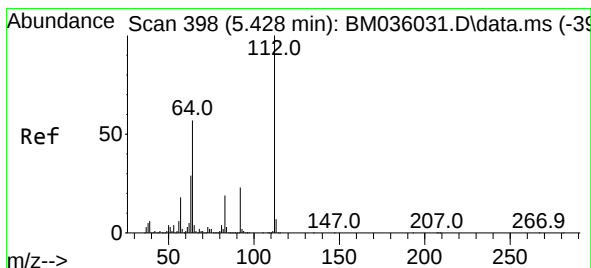
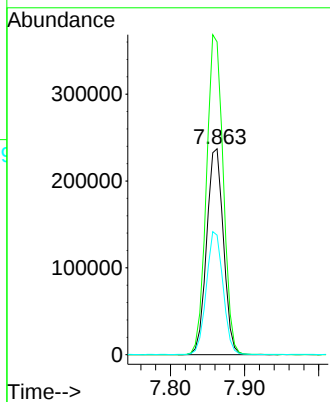
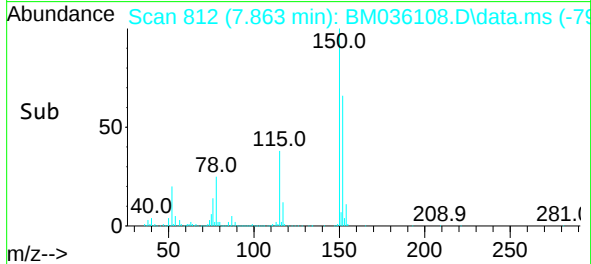
Instrument :
BNA_M
Client SampleId :
TP1-1-6



Tgt Ion:152 Resp: 373382
Ion Ratio Lower Upper
152 100
150 151.9 124.9 187.3
115 58.1 47.9 71.9

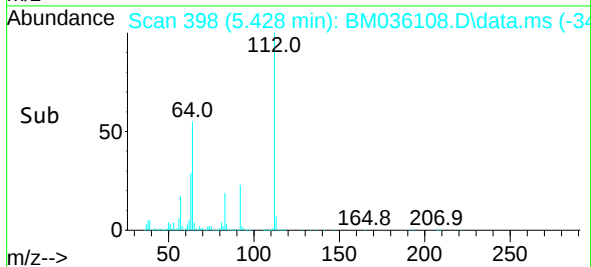
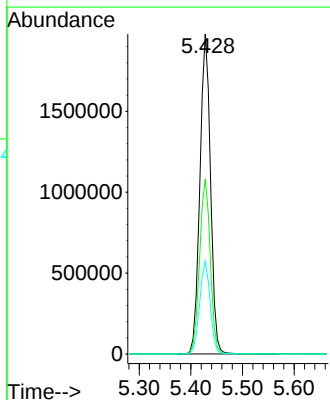
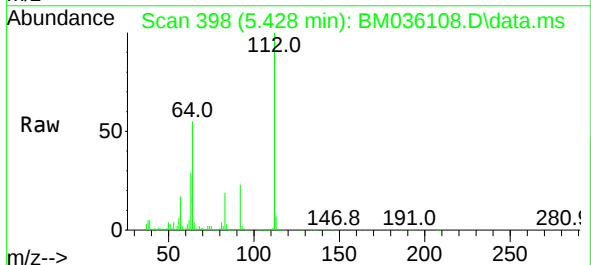
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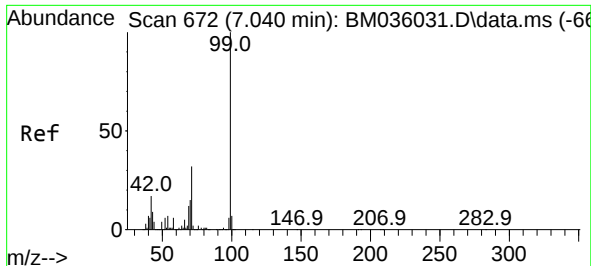
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#5
2-Fluorophenol
Concen: 122.212 ng
RT: 5.428 min Scan# 398
Delta R.T. 0.006 min
Lab File: BM036108.D
Acq: 04 Aug 2022 20:58

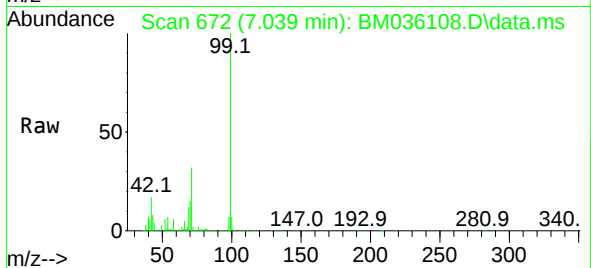
Tgt Ion:112 Resp: 2814574
Ion Ratio Lower Upper
112 100
64 54.7 47.8 71.6
63 28.8 26.6 40.0





#7
Phenol-d6
Concen: 125.671 ng
RT: 7.039 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM036108.D
Acq: 04 Aug 2022 20:58

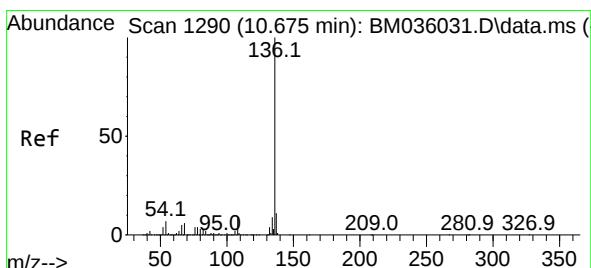
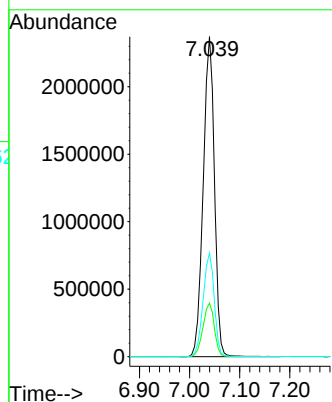
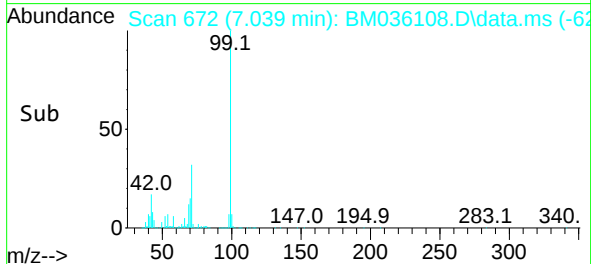
Instrument :
BNA_M
ClientSampleId :
TP1-1-6



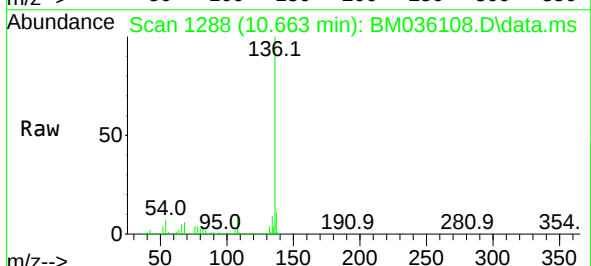
Tgt Ion: 99 Resp: 3682708
Ion Ratio Lower Upper
99 100
42 16.8 18.8 28.2
71 32.4 30.2 45.2

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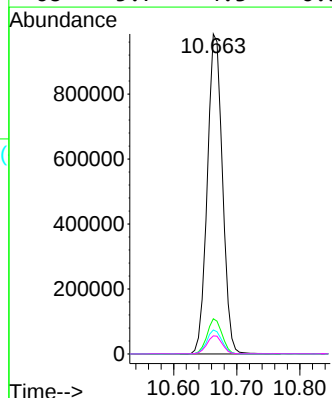
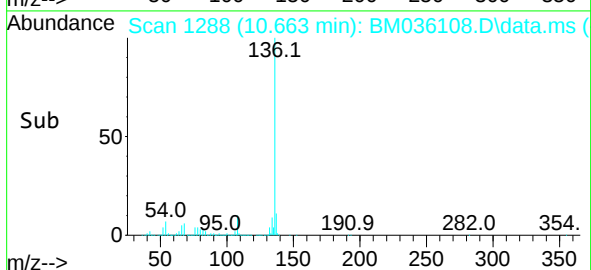
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022

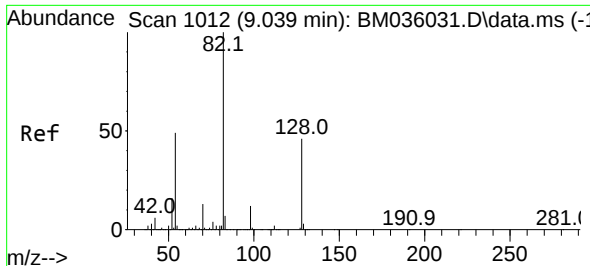


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BM036108.D
Acq: 04 Aug 2022 20:58



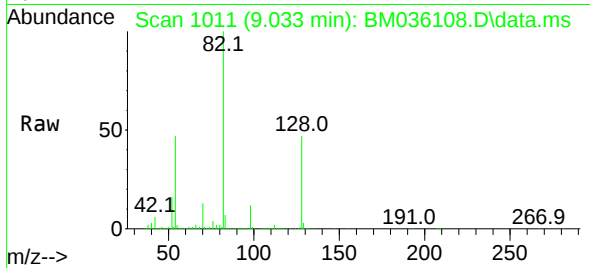
Tgt Ion:136 Resp: 1644024
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.5 7.0 10.4
68 5.7 4.3 6.5





#23
Nitrobenzene-d5
Concen: 76.635 ng
RT: 9.033 min Scan# 1011
Delta R.T. 0.006 min
Lab File: BM036108.D
Acq: 04 Aug 2022 20:58

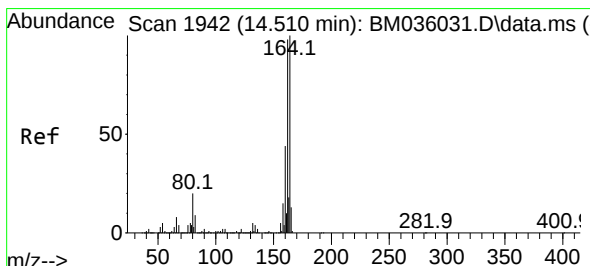
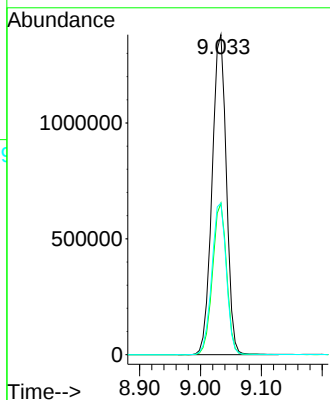
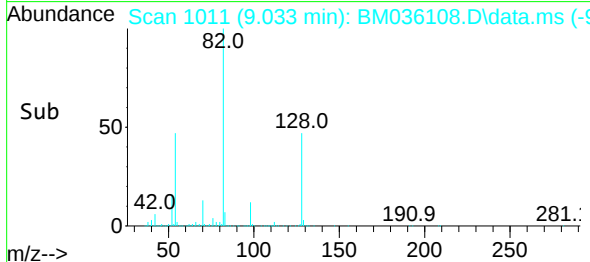
Instrument :
BNA_M
ClientSampleId :
TP1-1-6



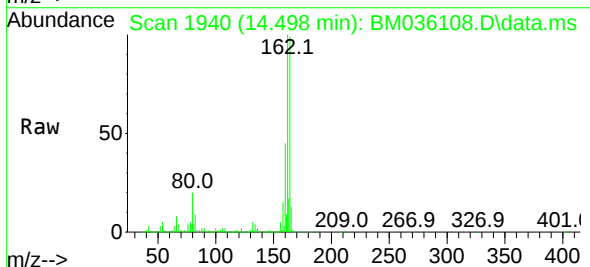
Tgt Ion: 82 Resp: 2250752
Ion Ratio Lower Upper
82 100
128 47.3 33.7 50.5
54 47.4 43.2 64.8

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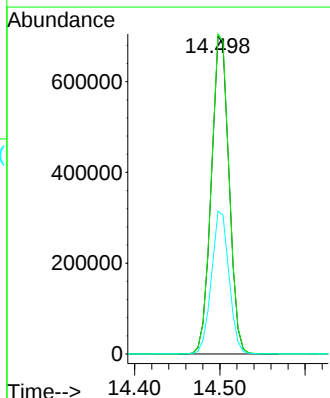
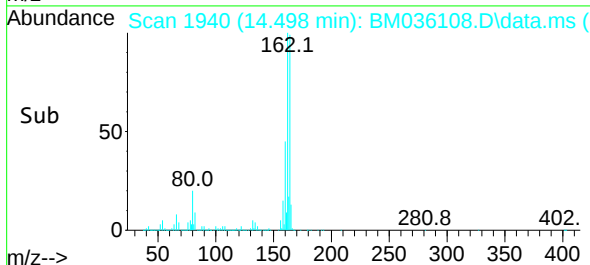
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.498 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BM036108.D
Acq: 04 Aug 2022 20:58



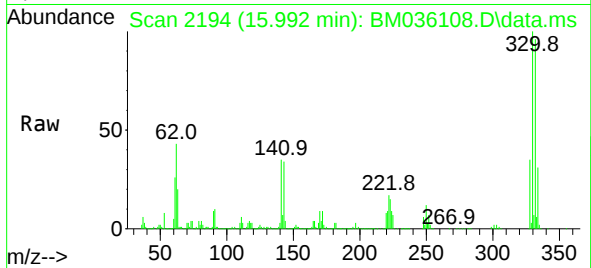
Tgt Ion:164 Resp: 1011028
Ion Ratio Lower Upper
164 100
162 100.6 83.0 124.6
160 44.9 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 129.296 ng
RT: 15.992 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BM036108.D
Acq: 04 Aug 2022 20:58

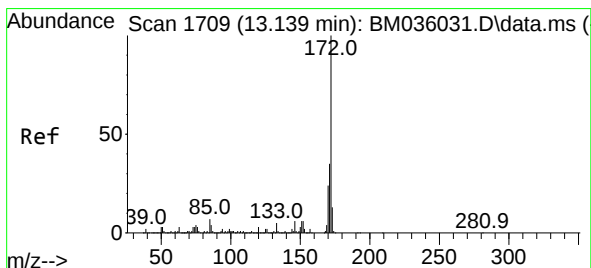
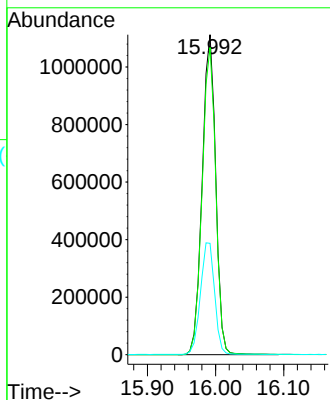
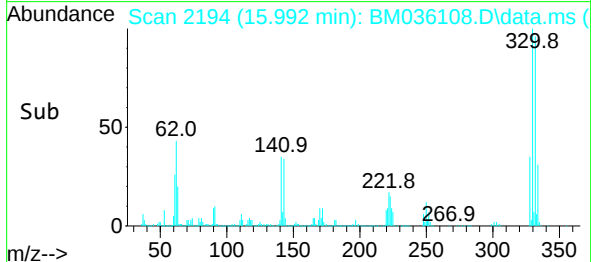
Instrument :
BNA_M
ClientSampleId :
TP1-1-6



Tgt Ion:330 Resp: 1533530
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.4
141 36.5 35.3 52.9

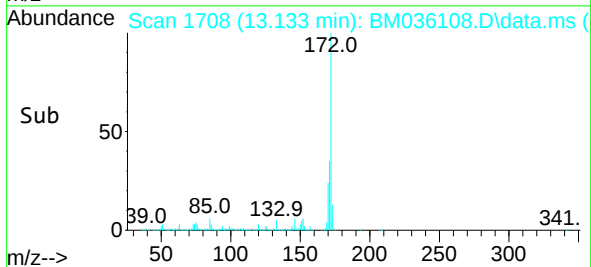
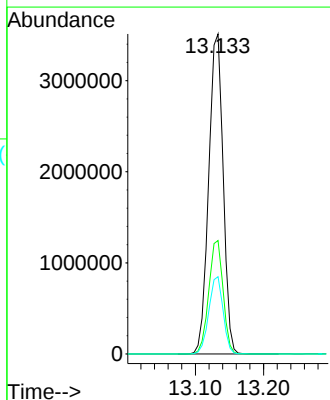
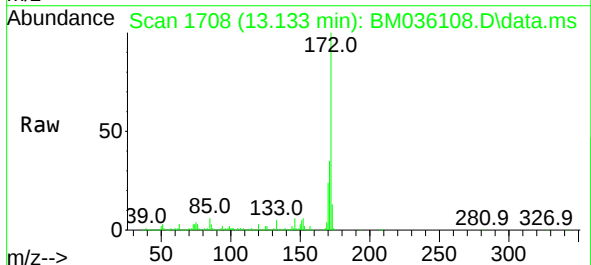
Manual Integrations
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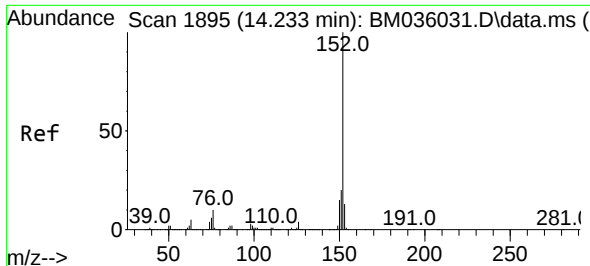
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#45
2-Fluorobiphenyl
Concen: 75.687 ng
RT: 13.133 min Scan# 1708
Delta R.T. 0.006 min
Lab File: BM036108.D
Acq: 04 Aug 2022 20:58

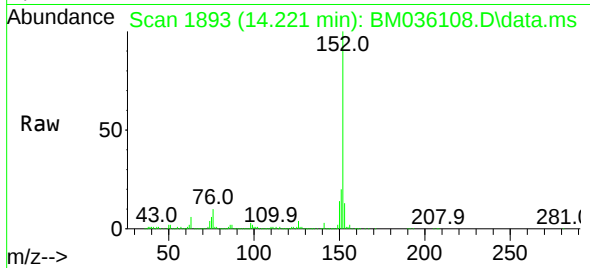
Tgt Ion:172 Resp: 5182758
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 24.1 18.7 28.1





#49
Acenaphthylene
Concen: 4.822 ng
RT: 14.221 min Scan# 1893
Delta R.T. -0.000 min
Lab File: BM036108.D
Acq: 04 Aug 2022 20:58

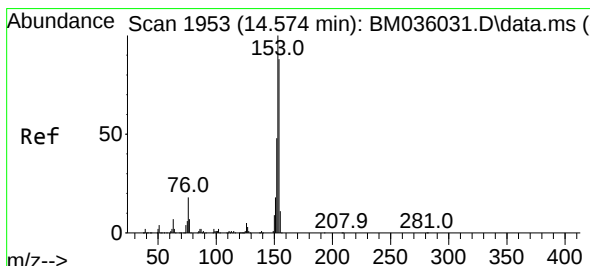
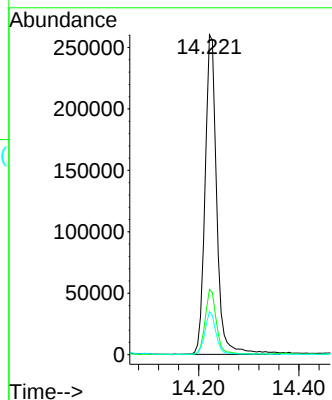
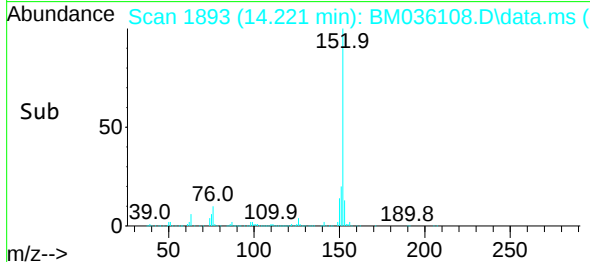
Instrument :
BNA_M
ClientSampleId :
TP1-1-6



Tgt Ion:152 Resp: 42035
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.2
153 13.4 10.5 15.7

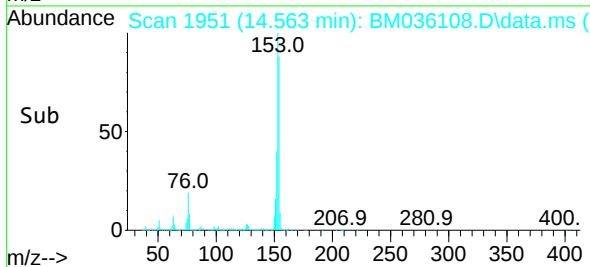
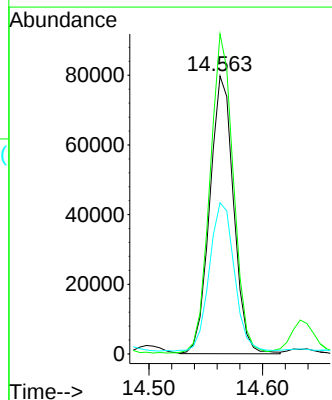
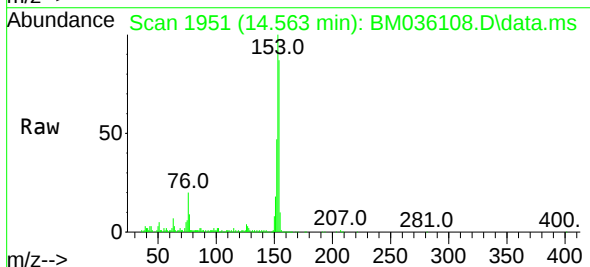
Manual Integrations
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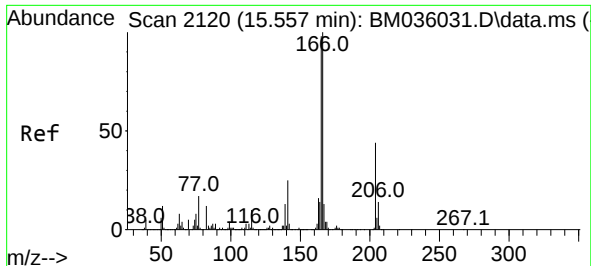
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#52
Acenaphthene
Concen: 2.037 ng
RT: 14.563 min Scan# 1951
Delta R.T. -0.000 min
Lab File: BM036108.D
Acq: 04 Aug 2022 20:58

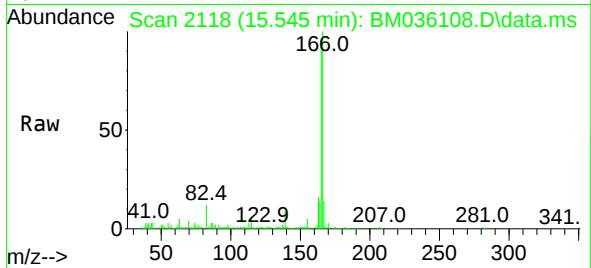
Tgt Ion:154 Resp: 116129
Ion Ratio Lower Upper
154 100
153 115.1 91.0 136.6
152 54.4 43.4 65.2





#58
Fluorene
Concen: 2.308 ng
RT: 15.545 min Scan# 2120
Delta R.T. -0.000 min
Lab File: BM036108.D
Acq: 04 Aug 2022 20:58

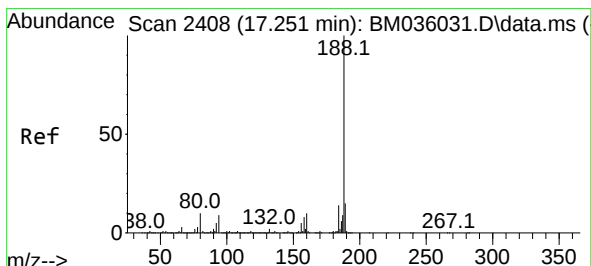
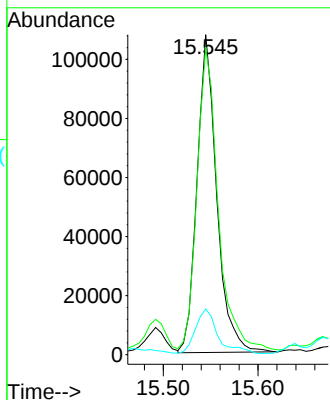
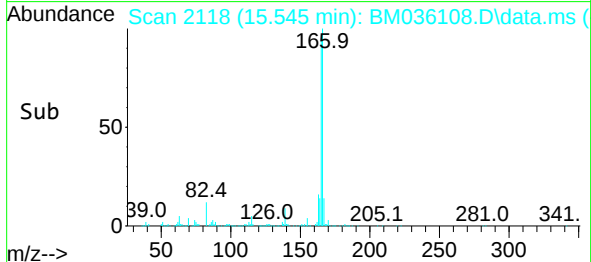
Instrument :
BNA_M
ClientSampleId :
TP1-1-6



Tgt Ion:166 Resp: 155462
Ion Ratio Lower Upper
166 100
165 95.7 79.4 119.2
167 14.3 10.6 16.0

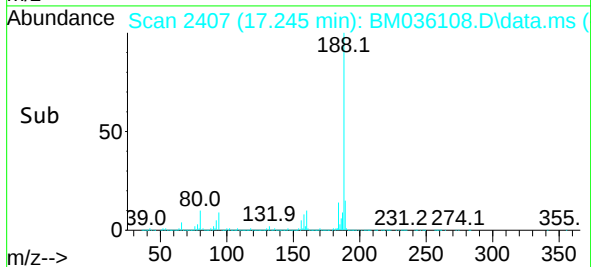
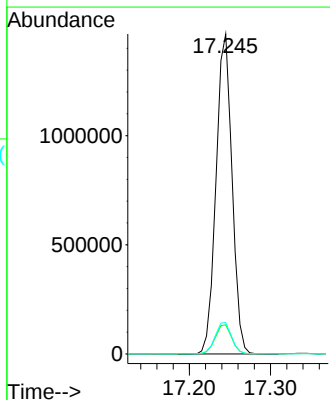
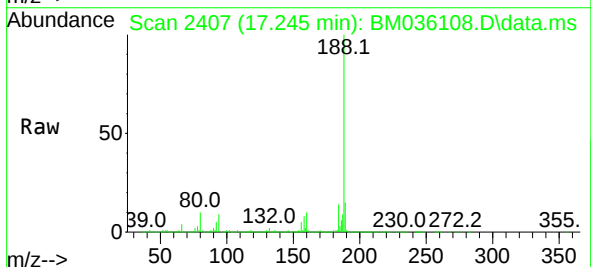
Manual Integrations
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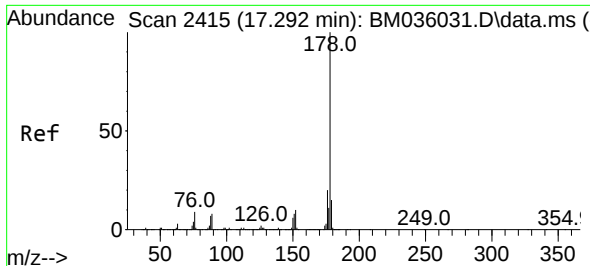
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 2407
Delta R.T. 0.006 min
Lab File: BM036108.D
Acq: 04 Aug 2022 20:58

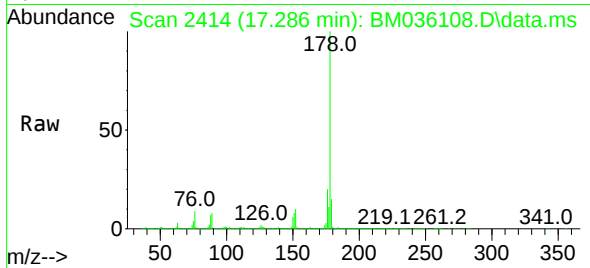
Tgt Ion:188 Resp: 2007980
Ion Ratio Lower Upper
188 100
94 9.1 7.0 10.4
80 9.8 7.6 11.4





#71
Phenanthrene
Concen: 29.101 ng
RT: 17.286 min Scan# 2415
Delta R.T. 0.006 min
Lab File: BM036108.D
Acq: 04 Aug 2022 20:58

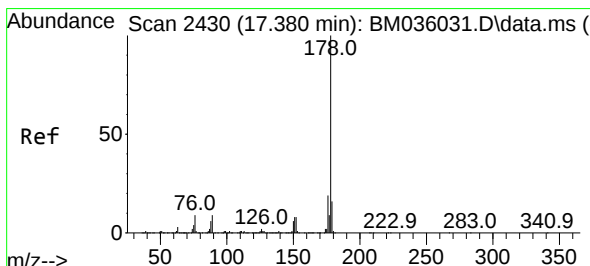
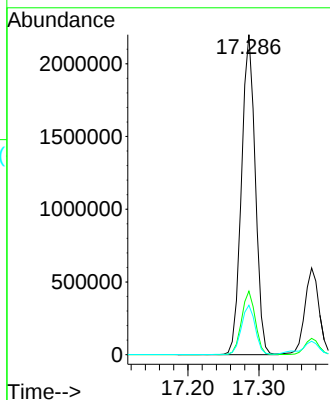
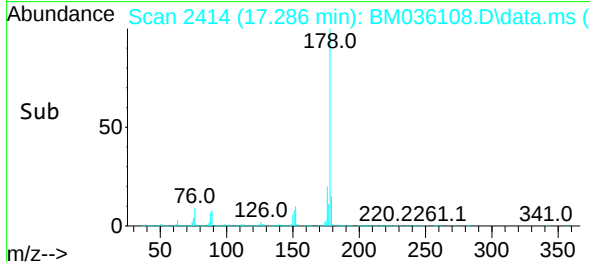
Instrument :
BNA_M
ClientSampleId :
TP1-1-6



Tgt Ion:178 Resp: 2977030
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.0
179 15.5 12.4 18.6

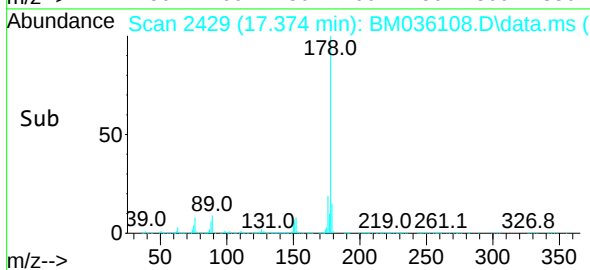
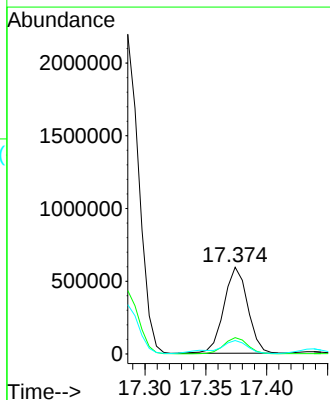
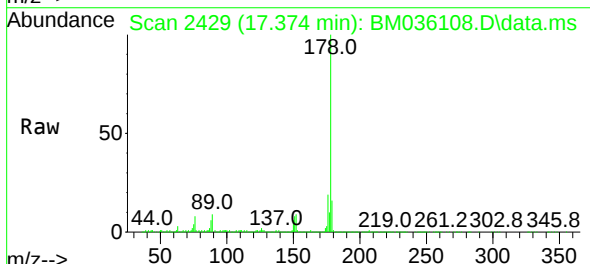
Manual Integrations
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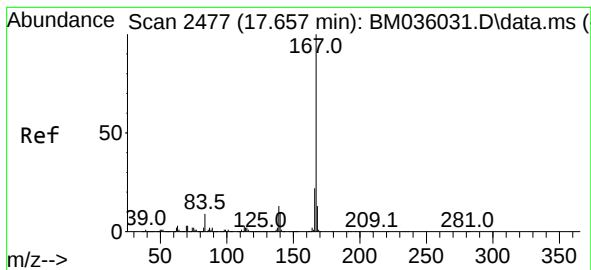
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#72
Anthracene
Concen: 8.128 ng
RT: 17.374 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BM036108.D
Acq: 04 Aug 2022 20:58

Tgt Ion:178 Resp: 805027
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.6 12.2 18.2





#73

Carbazole

Concen: 2.991 ng

RT: 17.651 min Scan# 2477

Delta R.T. 0.006 min

Lab File: BM036108.D

Acq: 04 Aug 2022 20:58

Instrument :

BNA_M

ClientSampleId :

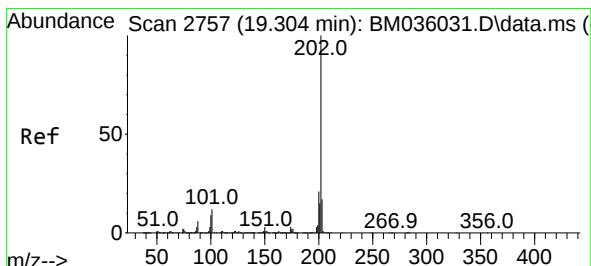
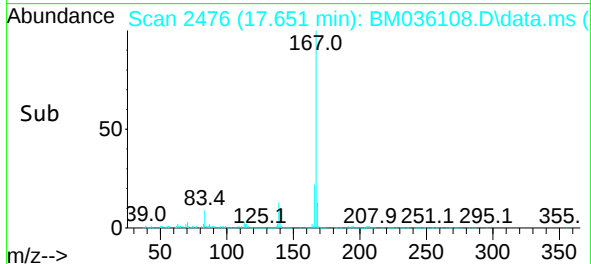
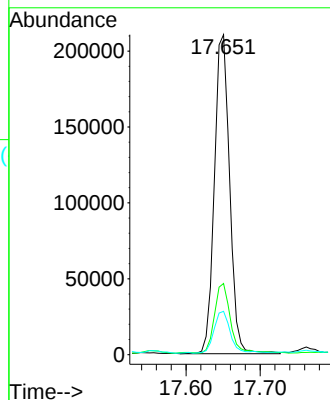
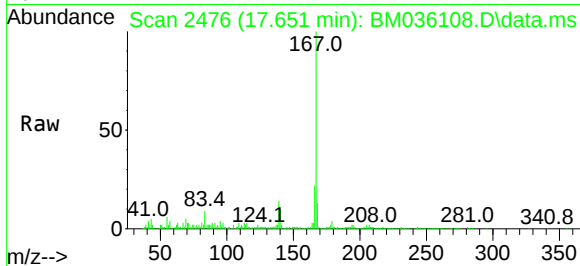
TP1-1-6

Tgt Ion:167 Resp: 300134
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.8 26.8
 139 13.5 10.9 16.3

Manual Integrations

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Reviewed By :Christian Giraldo 08/05/2022
 Supervised By :Jagrut Upadhyay 08/05/2022



#75

Fluoranthene

Concen: 51.064 ng

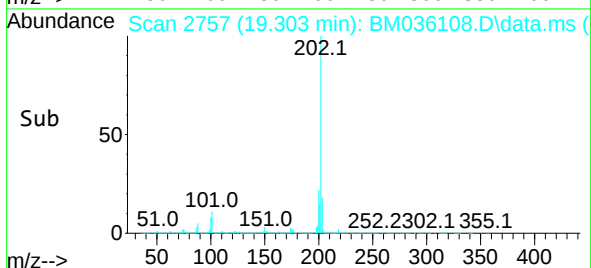
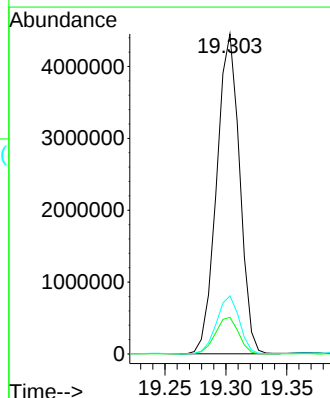
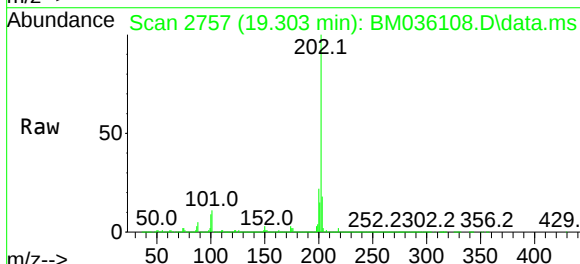
RT: 19.303 min Scan# 2757

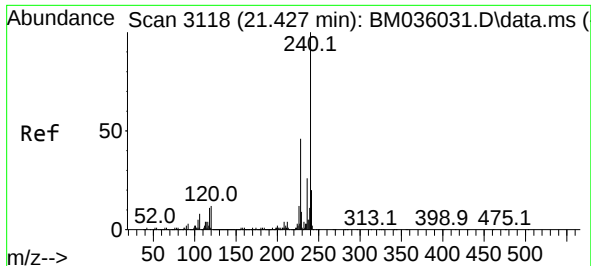
Delta R.T. 0.006 min

Lab File: BM036108.D

Acq: 04 Aug 2022 20:58

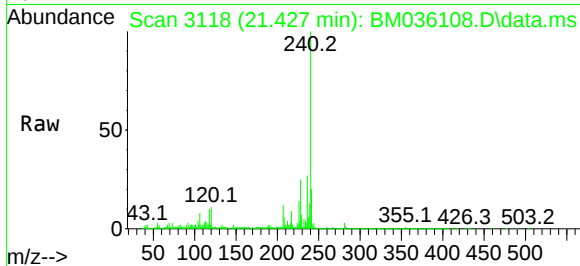
Tgt Ion:202 Resp: 5847373
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 30.6
 203 18.1 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3118
Delta R.T. 0.006 min
Lab File: BM036108.D
Acq: 04 Aug 2022 20:58

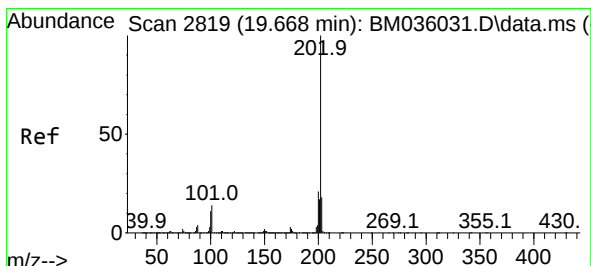
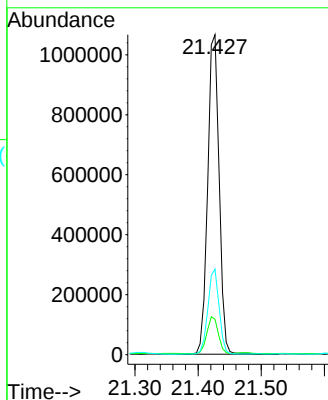
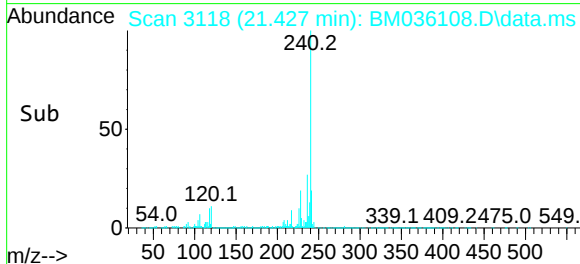
Instrument :
BNA_M
ClientSampleId :
TP1-1-6



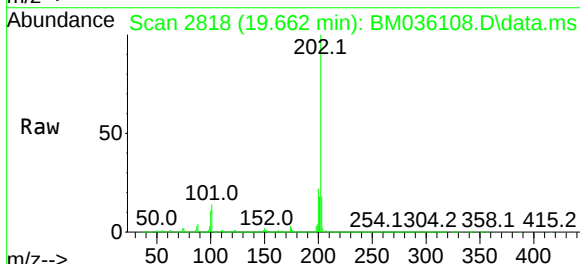
Tgt Ion:240 Resp: 1337540
Ion Ratio Lower Upper
240 100
120 11.1 9.4 14.0
236 26.7 20.6 30.8

Manual Integrations
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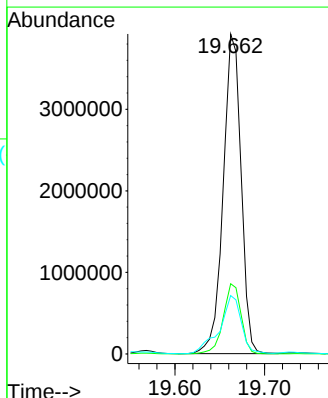
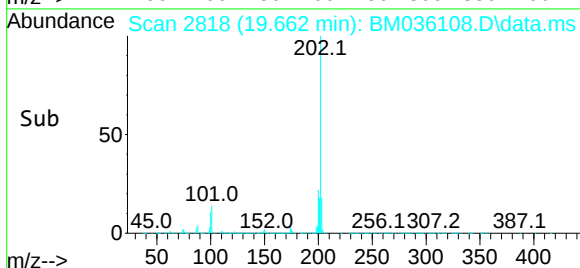
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022

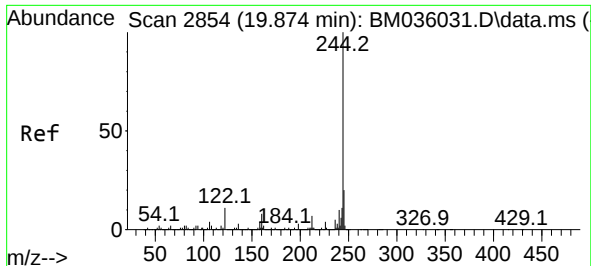


#78
Pyrene
Concen: 65.386 ng
RT: 19.662 min Scan# 2818
Delta R.T. -0.000 min
Lab File: BM036108.D
Acq: 04 Aug 2022 20:58



Tgt Ion:202 Resp: 5423212
Ion Ratio Lower Upper
202 100
200 21.9 16.7 25.1
203 18.3 13.9 20.9





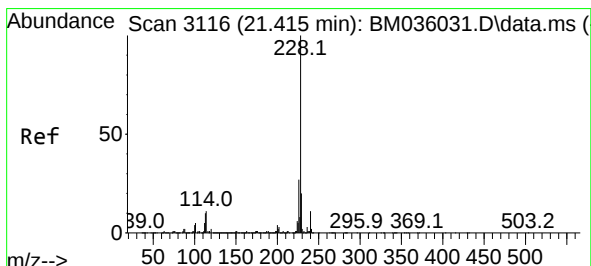
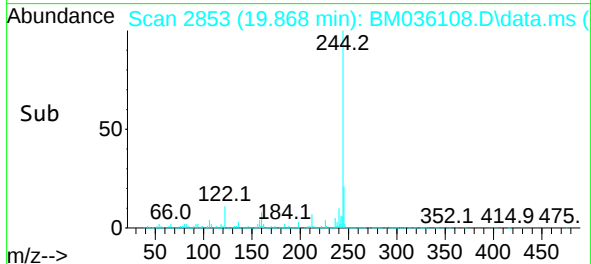
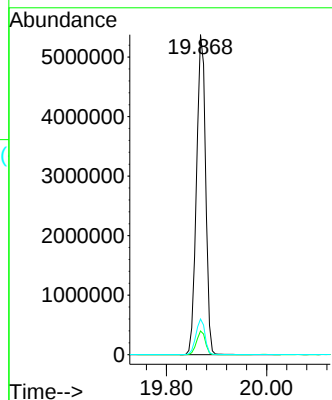
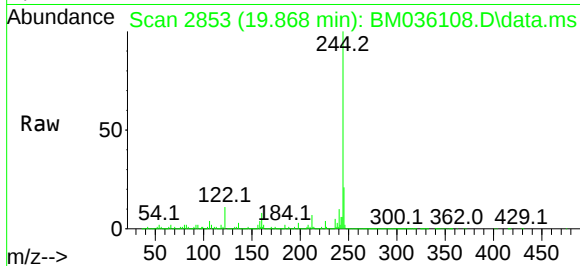
#79
 Terphenyl-d14
 Concen: 99.725 ng
 RT: 19.868 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM036108.D
 Acq: 04 Aug 2022 20:58

Instrument :
 BNA_M
 ClientSampleId :
 TP1-1-6

Tgt Ion:244 Resp: 676249
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.4
 122 11.1 8.3 12.5

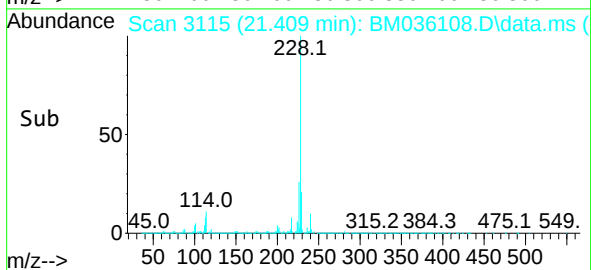
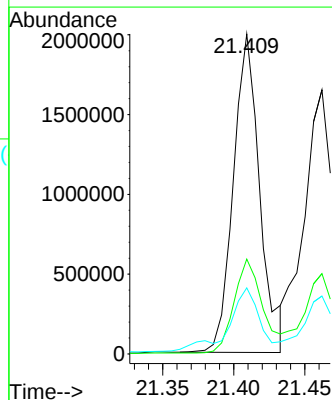
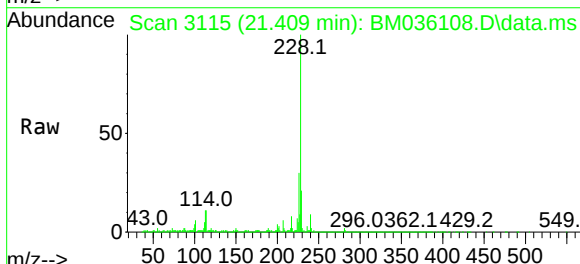
Manual Integrations
 APPROVED

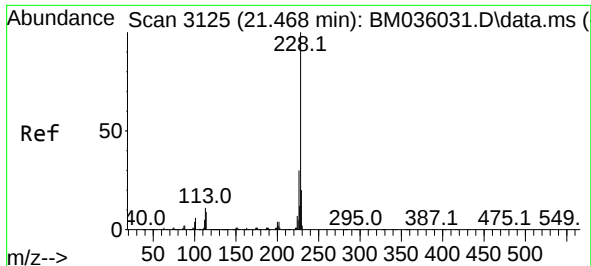
Reviewed By :Christian Giraldo 08/05/2022
 Supervised By :Jagrut Upadhyay 08/05/2022



#81
 Benzo(a)anthracene
 Concen: 31.300 ng
 RT: 21.409 min Scan# 3115
 Delta R.T. -0.000 min
 Lab File: BM036108.D
 Acq: 04 Aug 2022 20:58

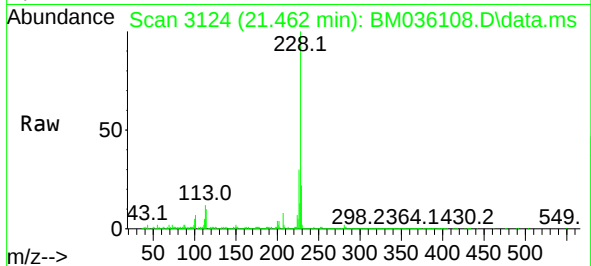
Tgt Ion:228 Resp: 2578645
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.3 33.5
 229 20.7 15.8 23.6





#83
Chrysene
Concen: 29.484 ng
RT: 21.462 min Scan# 3125
Delta R.T. -0.000 min
Lab File: BM036108.D
Acq: 04 Aug 2022 20:58

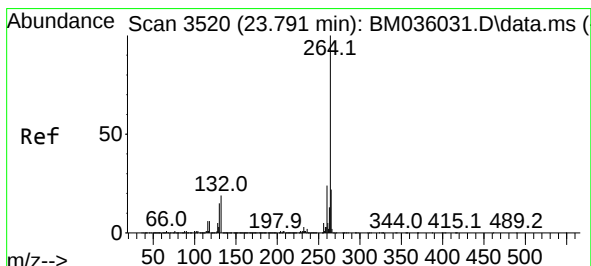
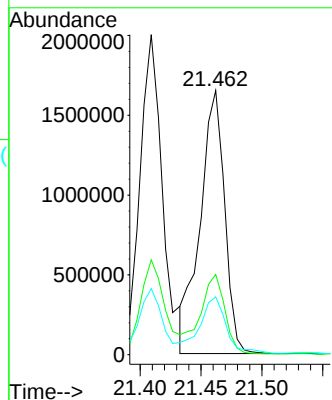
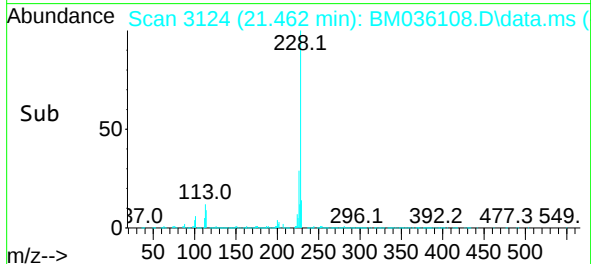
Instrument :
BNA_M
ClientSampleId :
TP1-1-6



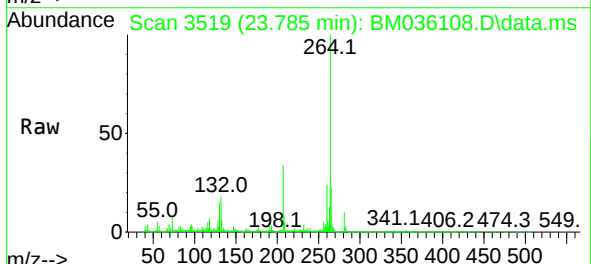
Tgt Ion:228 Resp: 2309011
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 21.9 15.8 23.8

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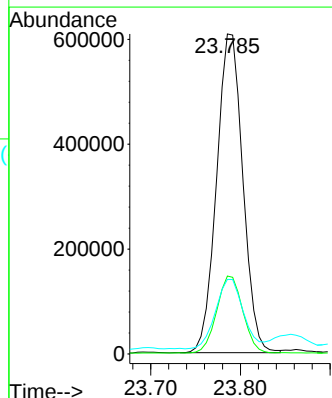
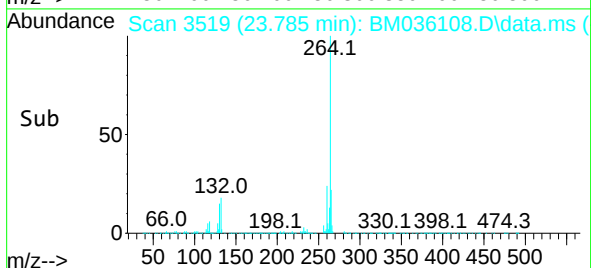
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022

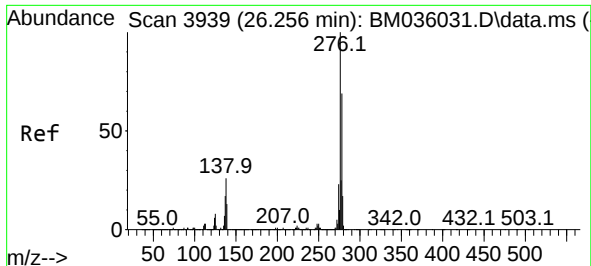


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.785 min Scan# 3519
Delta R.T. -0.000 min
Lab File: BM036108.D
Acq: 04 Aug 2022 20:58



Tgt Ion:264 Resp: 1235582
Ion Ratio Lower Upper
264 100
260 24.4 18.9 28.3
265 23.3 17.5 26.3





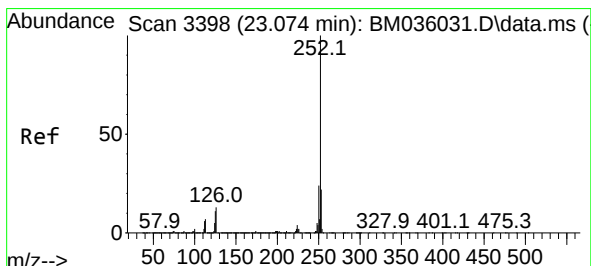
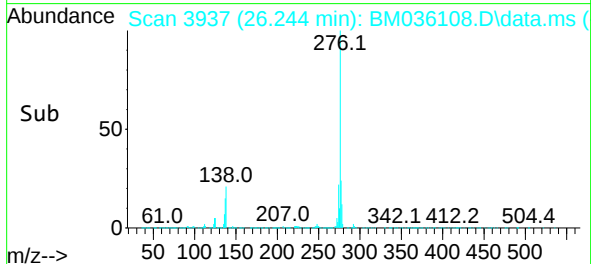
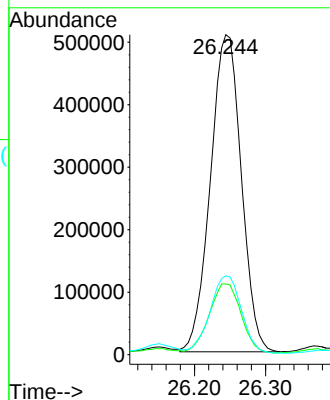
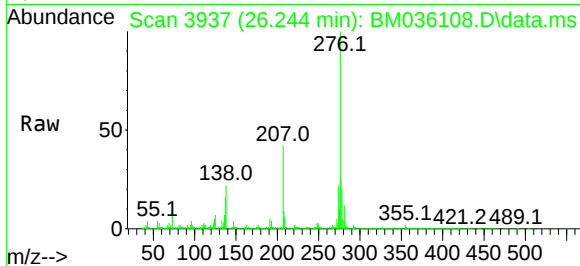
#87
Indeno(1,2,3-cd)pyrene
Concen: 17.639 ng
RT: 26.244 min Scan# 3937
Delta R.T. -0.000 min
Lab File: BM036108.D
Acq: 04 Aug 2022 20:58

Instrument :
BNA_M
ClientSampleId :
TP1-1-6

Tgt Ion:276 Resp: 153163
Ion Ratio Lower Upper
276 100
138 22.4 20.2 30.4
277 24.8 20.2 30.2

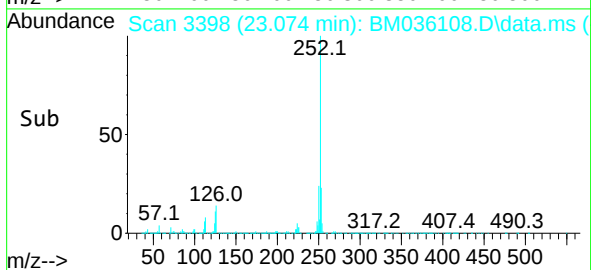
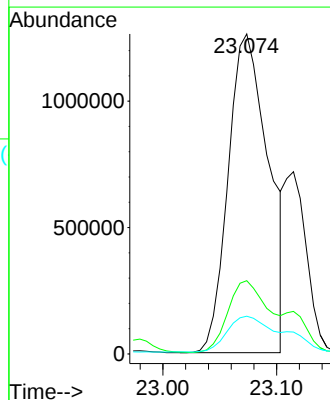
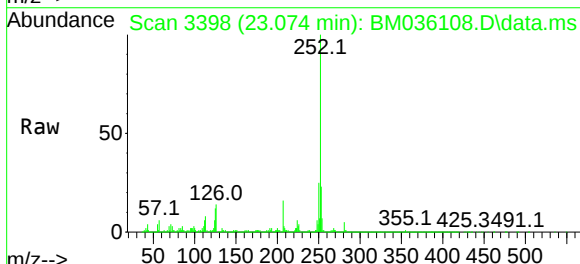
Manual Integrations
APPROVED

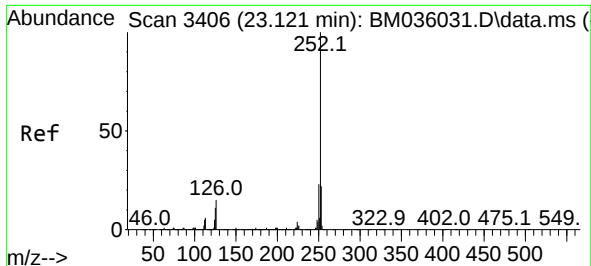
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#88
Benzo(b)fluoranthene
Concen: 42.962 ng
RT: 23.074 min Scan# 3398
Delta R.T. 0.006 min
Lab File: BM036108.D
Acq: 04 Aug 2022 20:58

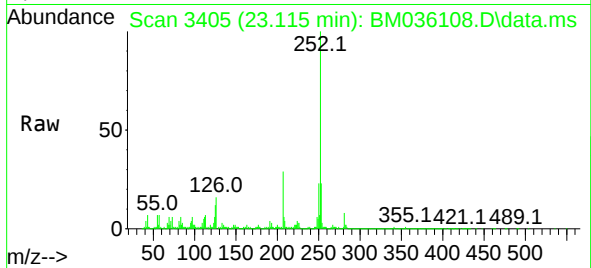
Tgt Ion:252 Resp: 3110085
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 11.8 7.6 11.4#





#89
Benzo(k)fluoranthene
Concen: 13.006 ng m
RT: 23.115 min Scan# 3405
Delta R.T. -0.000 min
Lab File: BM036108.D
Acq: 04 Aug 2022 20:58

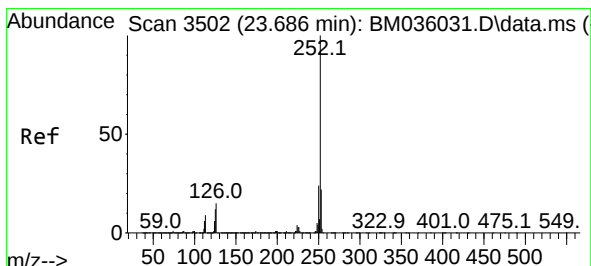
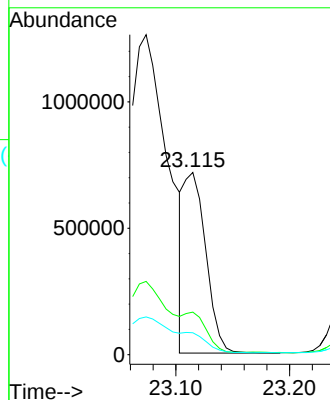
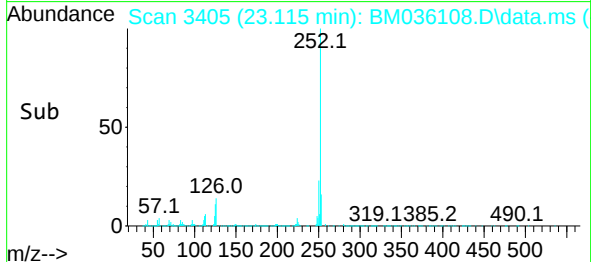
Instrument :
BNA_M
ClientSampleId :
TP1-1-6



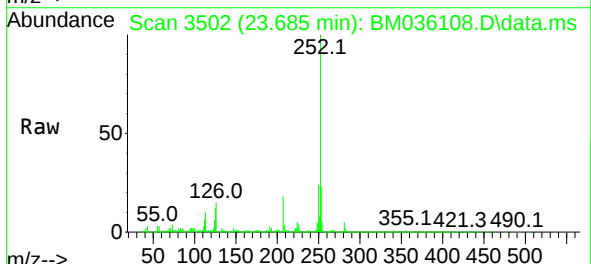
Tgt Ion:252 Resp: 95097
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 12.0 7.6 11.4

Manual Integrations
APPROVED

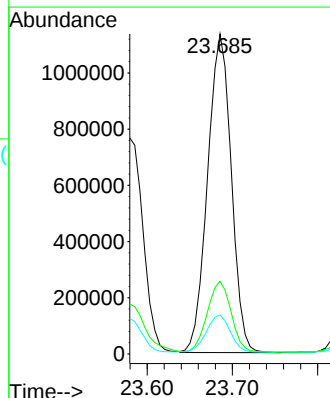
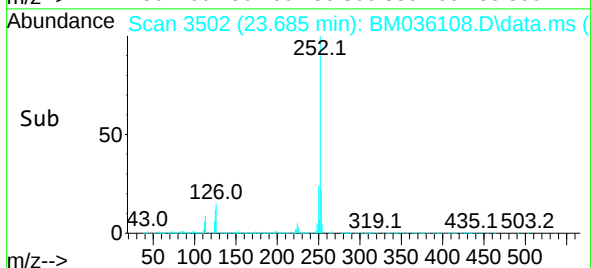
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022

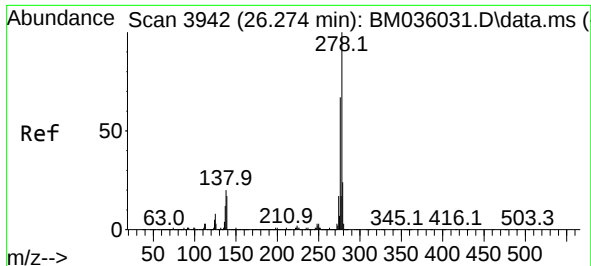


#90
Benzo(a)pyrene
Concen: 36.118 ng
RT: 23.685 min Scan# 3502
Delta R.T. 0.006 min
Lab File: BM036108.D
Acq: 04 Aug 2022 20:58



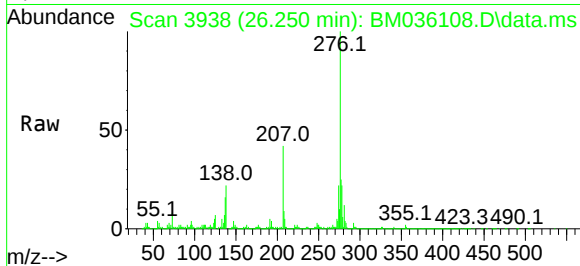
Tgt Ion:252 Resp: 2193767
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 12.1 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 5.368 ng m
RT: 26.250 min Scan# 3942
Delta R.T. -0.012 min
Lab File: BM036108.D
Acq: 04 Aug 2022 20:58

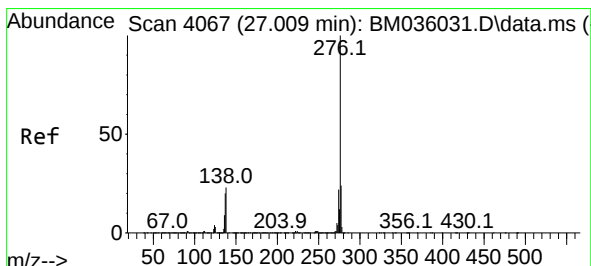
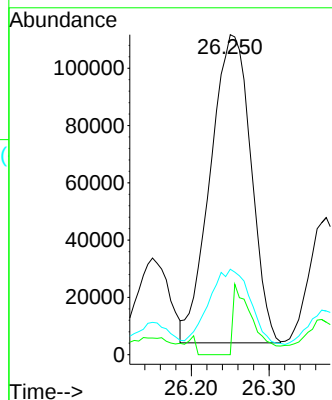
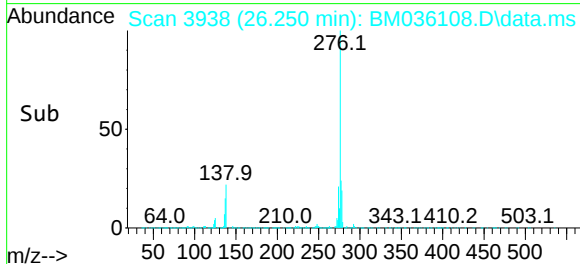
Instrument :
BNA_M
ClientSampleId :
TP1-1-6



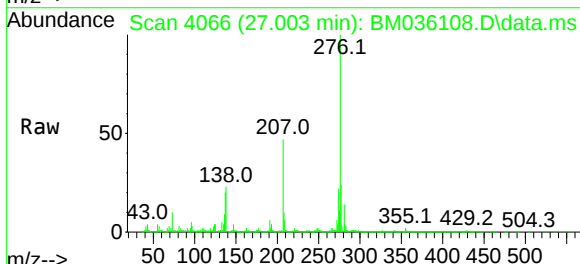
Tgt Ion:278 Resp: 39018
Ion Ratio Lower Upper
278 100
139 0.0 12.9 19.3
279 26.7 18.7 28.1

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#92
Benzo(g,h,i)perylene
Concen: 21.133 ng
RT: 27.003 min Scan# 4066
Delta R.T. 0.006 min
Lab File: BM036108.D
Acq: 04 Aug 2022 20:58



Tgt Ion:276 Resp: 1486959
Ion Ratio Lower Upper
276 100
277 23.8 18.7 28.1
138 23.0 17.6 26.4

