

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
 Data File : BM037452.D
 Acq On : 10 Nov 2022 15:33
 Operator : CG/JU
 Sample : N5511-01DL 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PL-03-110722DL

Manual Integrations
 APPROVED

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

Quant Time: Nov 10 16:56:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 09 02:08:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.810	152	284174	20.000	ng	-0.01
21) Naphthalene-d8	10.610	136	1124733	20.000	ng	-0.02
39) Acenaphthene-d10	14.451	164	678748	20.000	ng	-0.01
64) Phenanthrene-d10	17.192	188	1454421	20.000	ng	-0.01
76) Chrysene-d12	21.374	240	1543559	20.000	ng	0.00
86) Perylene-d12	23.703	264	1610639	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	163624	9.948	ng	0.00
7) Phenol-d6	6.992	99	197701	8.856	ng	-0.01
23) Nitrobenzene-d5	8.981	82	116360	5.220	ng	-0.02
42) 2,4,6-Tribromophenol	15.939	330	85252	10.658	ng	-0.02
45) 2-Fluorobiphenyl	13.074	172	280008	5.481	ng	-0.02
79) Terphenyl-d14	19.815	244	468179	5.439	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.657	128	305218	4.790	ng	99
37) 2-Methylnaphthalene	12.269	142	218148	5.053	ng	98
38) 1-Methylnaphthalene	12.492	142	172303	4.084	ng	99
49) Acenaphthylene	14.174	152	145072	2.144	ng	# 96
52) Acenaphthene	14.510	154	136238	3.257	ng	99
55) Dibenzofuran	14.845	168	240280	3.729	ng	# 97
58) Fluorene	15.498	166	398789	7.415	ng	98
71) Phenanthrene	17.233	178	2921667	32.379	ng	100
72) Anthracene	17.327	178	843608	9.876	ng	98
73) Carbazole	17.604	167	200223	2.555	ng	98
75) Fluoranthene	19.250	202	3418133	35.836	ng	99
78) Pyrene	19.615	202	3089958	26.033	ng	100
81) Benzo(a)anthracene	21.356	228	1466127	13.342	ng	99
83) Chrysene	21.409	228	1216689	11.492	ng	98
87) Indeno(1,2,3-cd)pyrene	26.109	276	655314	4.969	ng	95
88) Benzo(b)fluoranthene	22.997	252	1428932	12.779	ng	99
89) Benzo(k)fluoranthene	23.038	252	474105m	4.157	ng	
90) Benzo(a)pyrene	23.603	252	1146999	12.589	ng	98
92) Benzo(g,h,i)perylene	26.850	276	634083	5.949	ng	99

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

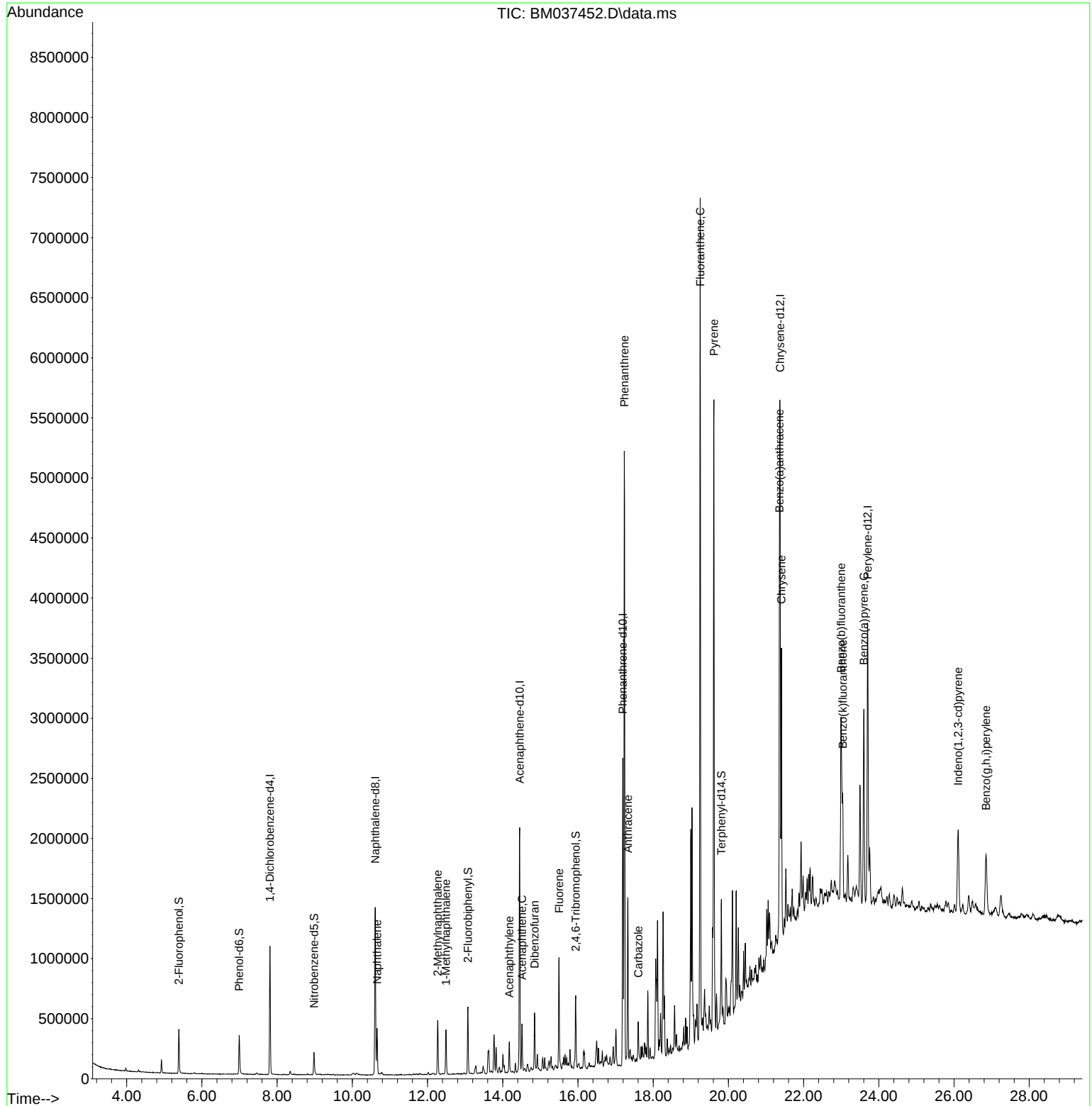
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
Data File : BM037452.D
Acq On : 10 Nov 2022 15:33
Operator : CG/JU
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Misc :
ALS Vial : 9 Sample Multiplier: 1

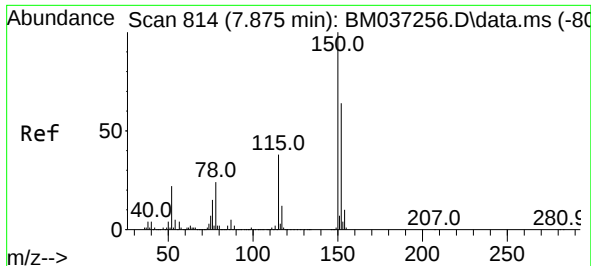
Instrument :
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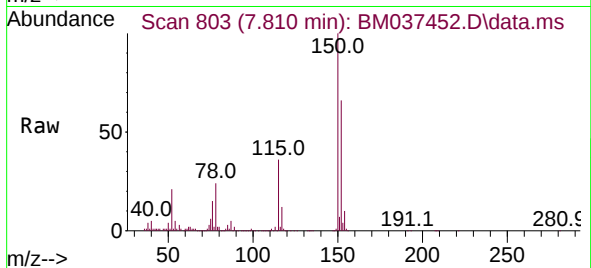
Quant Time: Nov 10 16:56:26 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 09 02:08:14 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 80
Delta R.T. -0.012 min
Lab File: BM037452.D
Acq: 10 Nov 2022 15:33

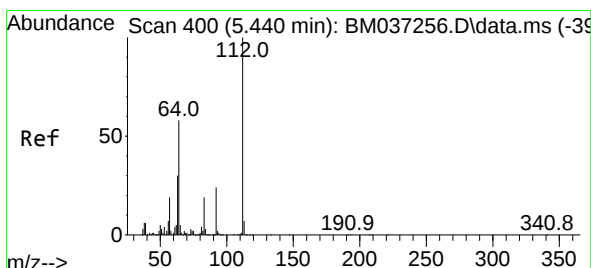
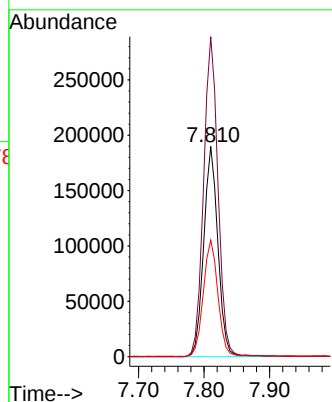
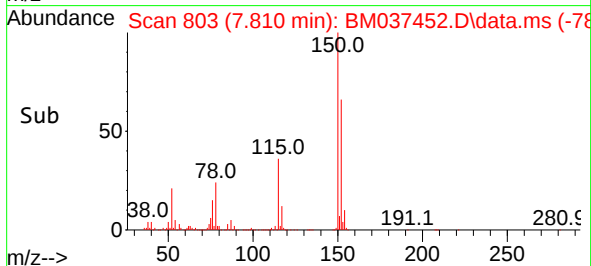
Instrument :
BNA_M
ClientSampleId :
PL-03-110722DL



Tgt Ion:152 Resp: 284174
Ion Ratio Lower Upper
152 100
150 152.2 124.8 187.2
115 55.5 47.0 70.4

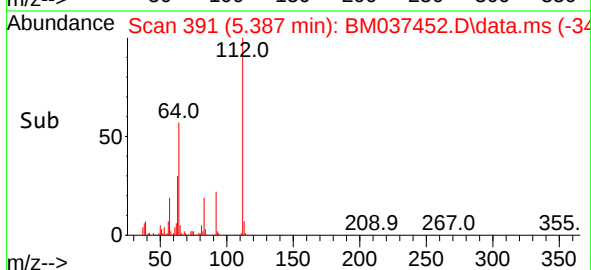
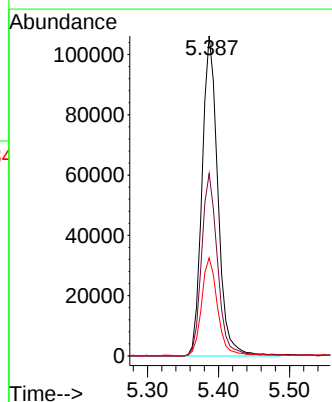
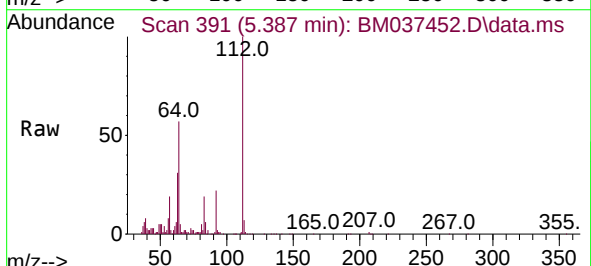
Manual Integrations
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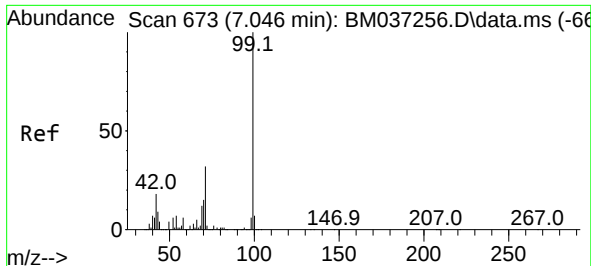
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#5
2-Fluorophenol
Concen: 9.948 ng
RT: 5.387 min Scan# 391
Delta R.T. -0.006 min
Lab File: BM037452.D
Acq: 10 Nov 2022 15:33

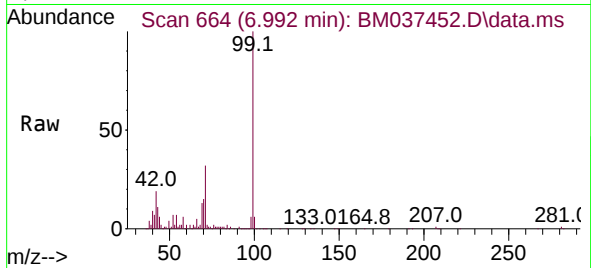
Tgt Ion:112 Resp: 163624
Ion Ratio Lower Upper
112 100
64 57.0 46.8 70.2
63 30.6 24.4 36.6





#7
Phenol-d6
Concen: 8.856 ng
RT: 6.992 min Scan# 60
Delta R.T. -0.012 min
Lab File: BM037452.D
Acq: 10 Nov 2022 15:33

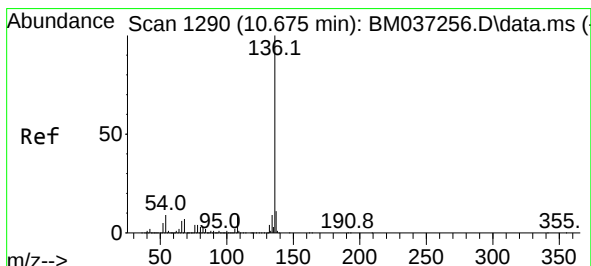
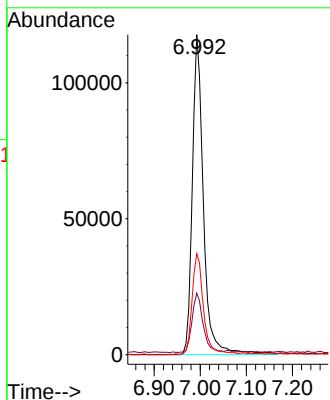
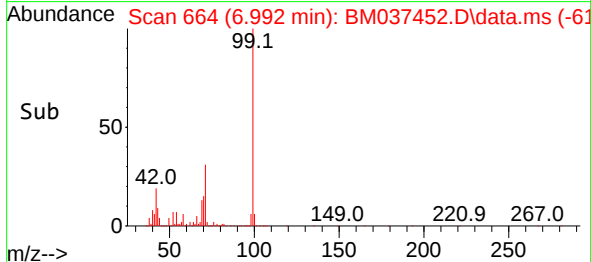
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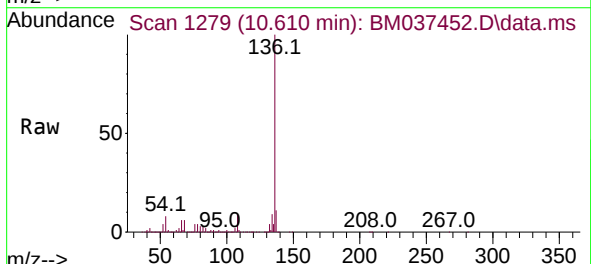
Tgt Ion: 99 Resp: 19770
Ion Ratio Lower Upper
99 100
42 19.2 14.8 22.2
71 31.5 25.6 38.4

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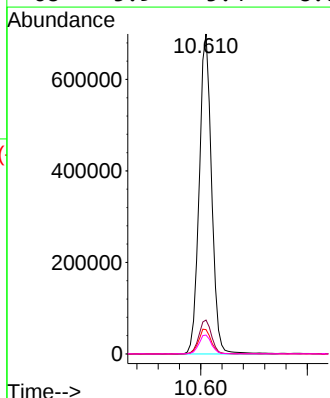
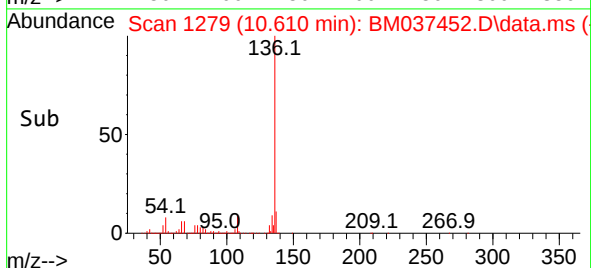
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022

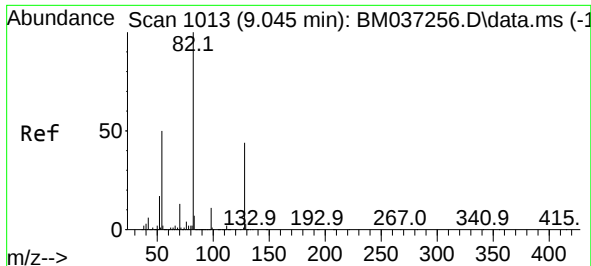


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1279
Delta R.T. -0.018 min
Lab File: BM037452.D
Acq: 10 Nov 2022 15:33



Tgt Ion:136 Resp: 1124733
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 7.6 7.0 10.4
68 5.9 5.4 8.0





#23

Nitrobenzene-d5

Concen: 5.220 ng

RT: 8.981 min Scan# 10

Delta R.T. -0.018 min

Lab File: BM037452.D

Acq: 10 Nov 2022 15:33

Instrument :

BNA_M

ClientSampleId :

PL-03-110722DL

Tgt Ion: 82 Resp: 116360

Ion Ratio Lower Upper

82 100

128 42.7 35.2 52.8

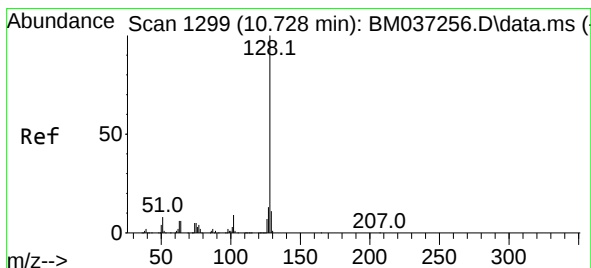
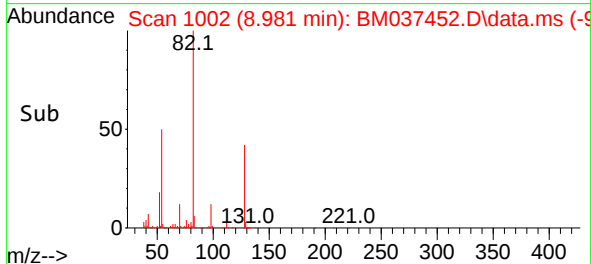
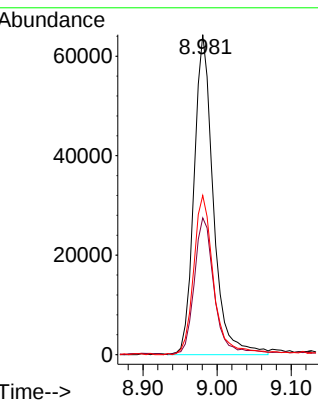
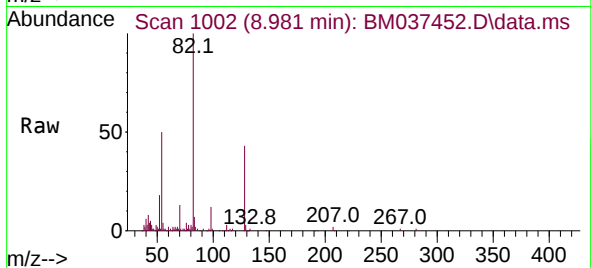
54 49.8 40.4 60.6

Manual Integrations

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#31

Naphthalene

Concen: 4.790 ng

RT: 10.657 min Scan# 1287

Delta R.T. -0.018 min

Lab File: BM037452.D

Acq: 10 Nov 2022 15:33

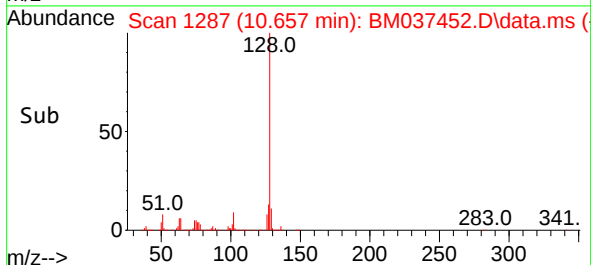
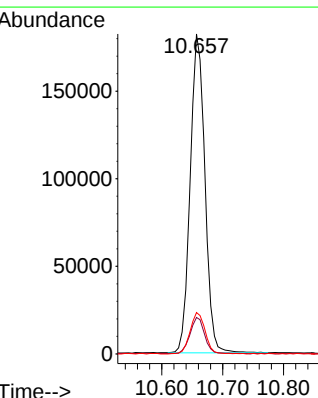
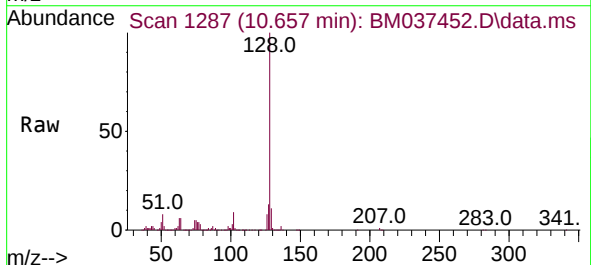
Tgt Ion:128 Resp: 305218

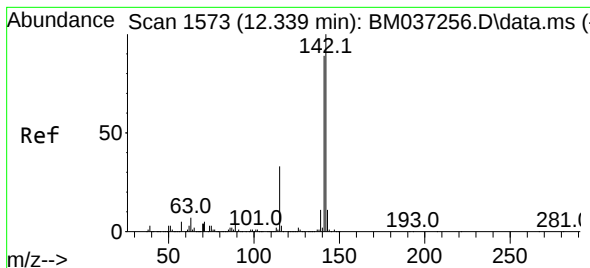
Ion Ratio Lower Upper

128 100

129 11.4 8.7 13.1

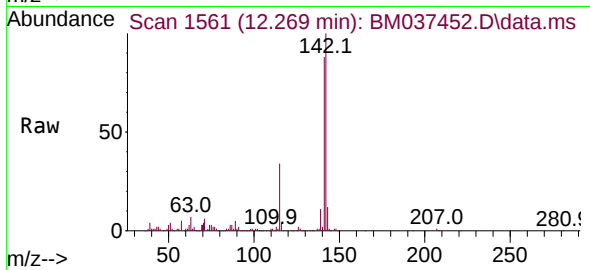
127 12.9 10.2 15.2





#37
2-Methylnaphthalene
Concen: 5.053 ng
RT: 12.269 min Scan# 1561
Delta R.T. -0.018 min
Lab File: BM037452.D
Acq: 10 Nov 2022 15:33

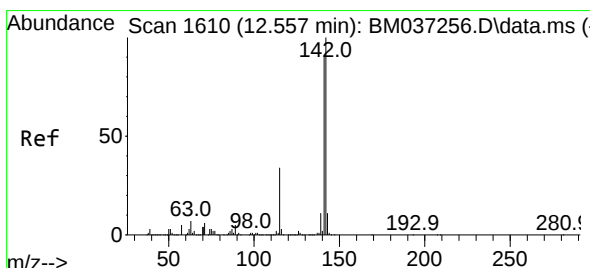
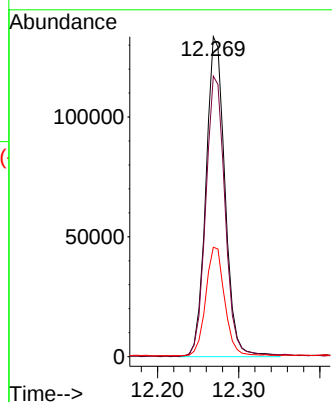
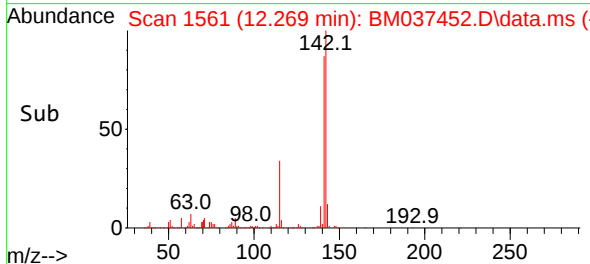
Instrument :
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ClientSampleId :
PL-03-110722DL



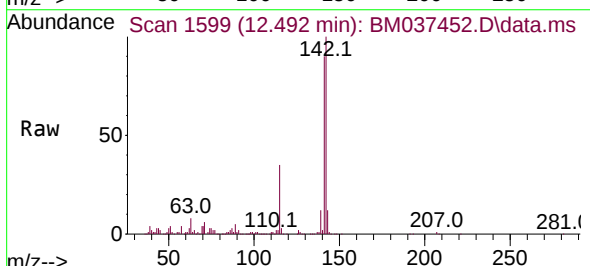
Tgt Ion:142 Resp: 218148
Ion Ratio Lower Upper
142 100
141 87.7 71.3 106.9
115 34.2 26.0 39.0

Manual Integrations
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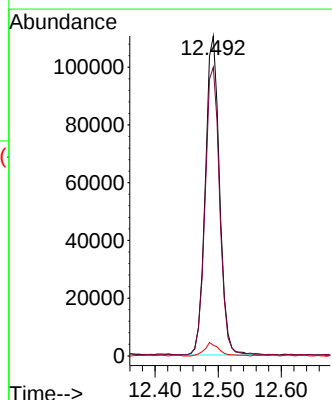
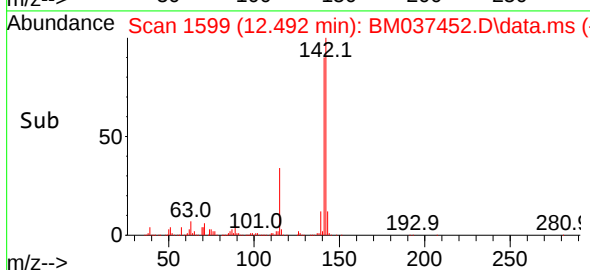
Reviewed By :Christian Giraldo 11/11/2022
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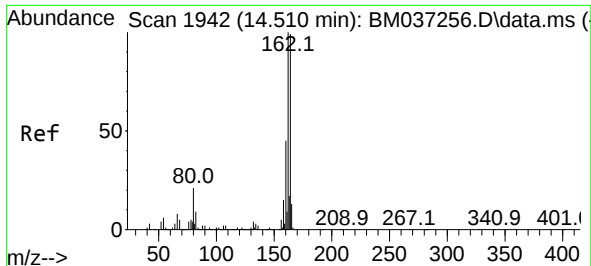


#38
1-Methylnaphthalene
Concen: 4.084 ng
RT: 12.492 min Scan# 1599
Delta R.T. -0.012 min
Lab File: BM037452.D
Acq: 10 Nov 2022 15:33



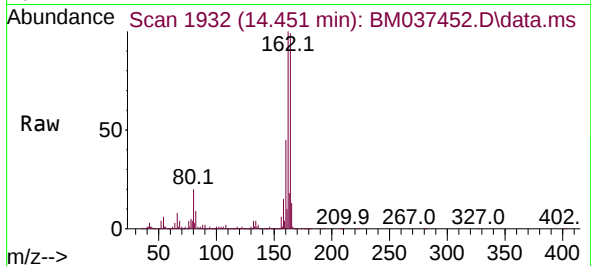
Tgt Ion:142 Resp: 172303
Ion Ratio Lower Upper
142 100
141 90.2 73.0 109.6
116 3.3 2.8 4.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM037452.D
Acq: 10 Nov 2022 15:33

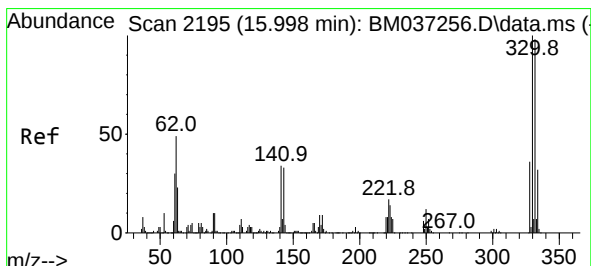
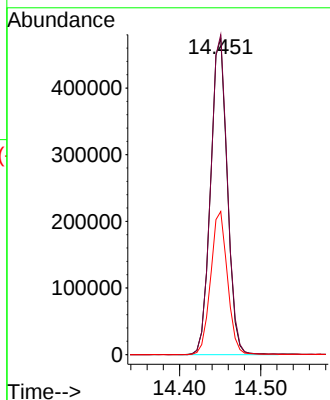
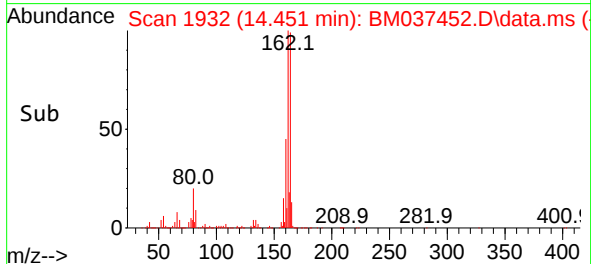
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Tgt Ion:164 Resp: 678748
Ion Ratio Lower Upper
164 100
162 101.1 80.6 120.8
160 45.2 36.2 54.4

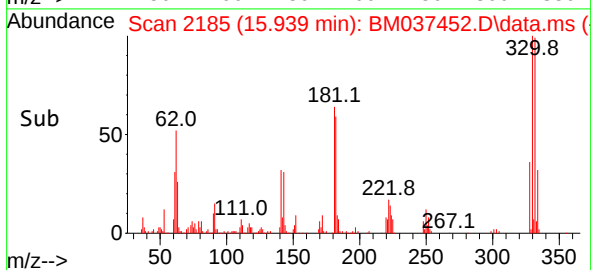
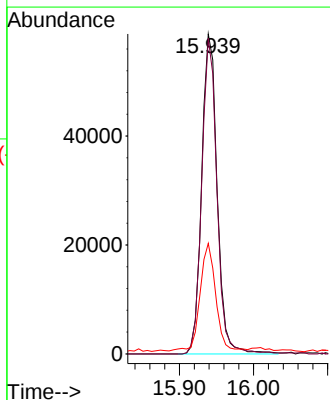
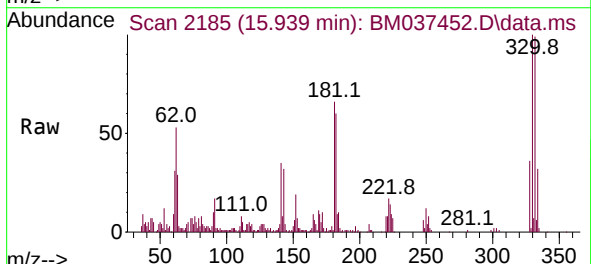
Manual Integrations
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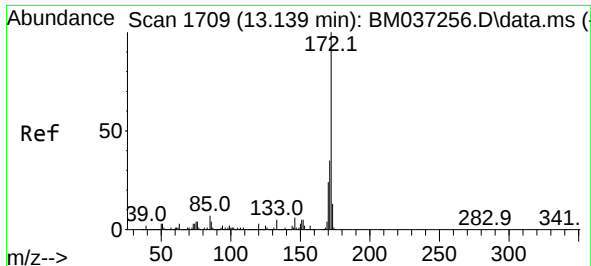
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#42
2,4,6-Tribromophenol
Concen: 10.658 ng
RT: 15.939 min Scan# 2185
Delta R.T. -0.018 min
Lab File: BM037452.D
Acq: 10 Nov 2022 15:33

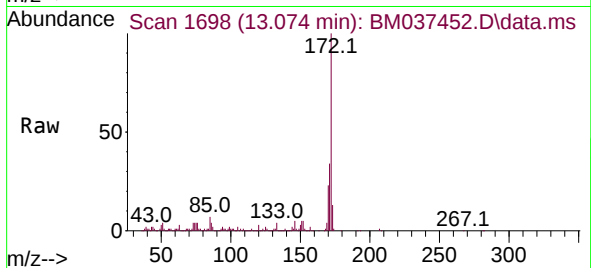
Tgt Ion:330 Resp: 85252
Ion Ratio Lower Upper
330 100
332 97.0 78.0 117.0
141 33.4 27.5 41.3





#45
2-Fluorobiphenyl
Concen: 5.481 ng
RT: 13.074 min Scan# 10
Delta R.T. -0.018 min
Lab File: BM037452.D
Acq: 10 Nov 2022 15:33

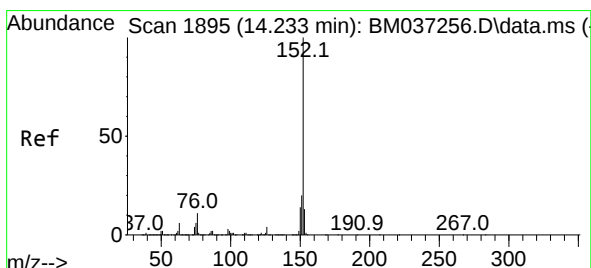
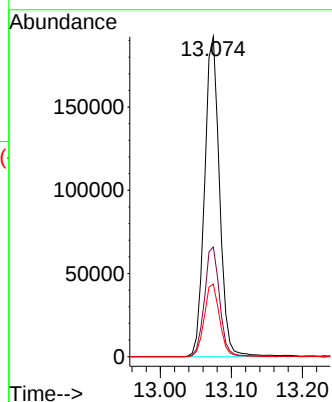
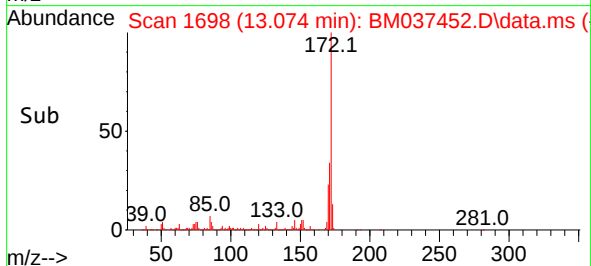
Instrument :
BNA_M
ClientSampleId :
PL-03-110722DL



Tgt Ion:172 Resp: 280008
Ion Ratio Lower Upper
172 100
171 34.3 28.1 42.1
170 22.7 19.0 28.4

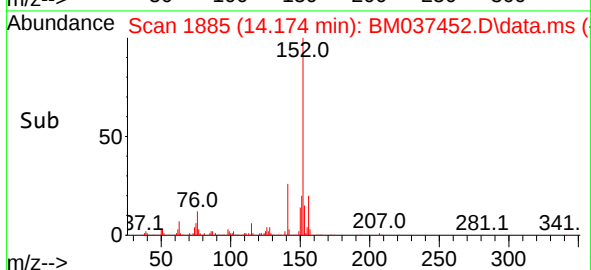
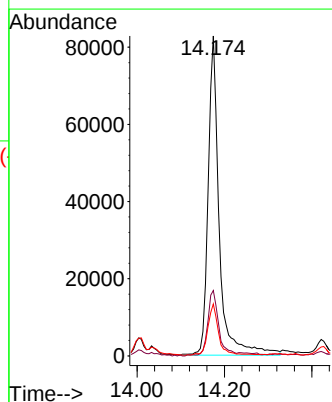
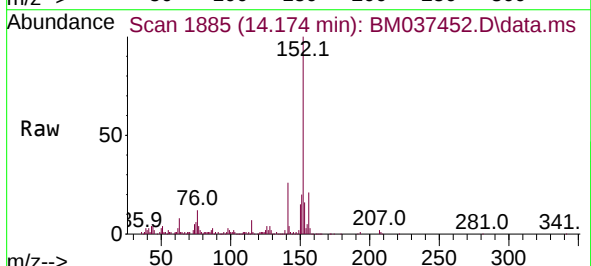
Manual Integrations
APPROVED

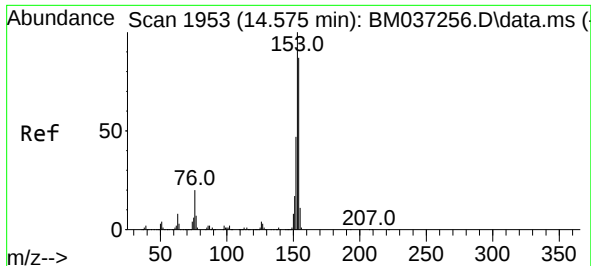
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#49
Acenaphthylene
Concen: 2.144 ng
RT: 14.174 min Scan# 1885
Delta R.T. -0.012 min
Lab File: BM037452.D
Acq: 10 Nov 2022 15:33

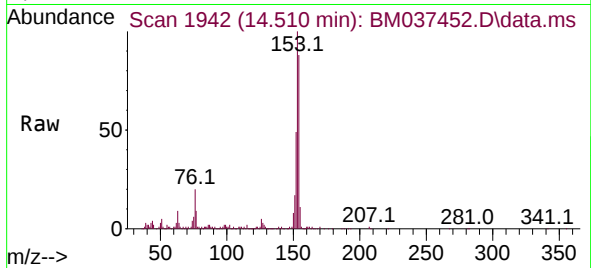
Tgt Ion:152 Resp: 145072
Ion Ratio Lower Upper
152 100
151 20.4 16.0 24.0
153 16.2 10.6 15.8#





#52
Acenaphthene
Concen: 3.257 ng
RT: 14.510 min Scan# 1953
Delta R.T. -0.018 min
Lab File: BM037452.D
Acq: 10 Nov 2022 15:33

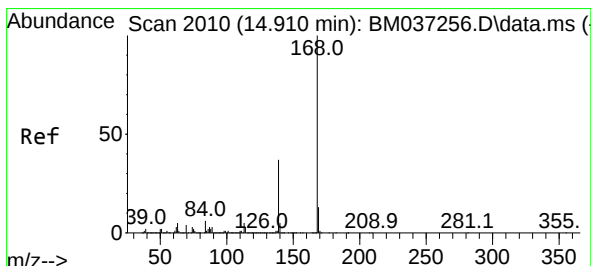
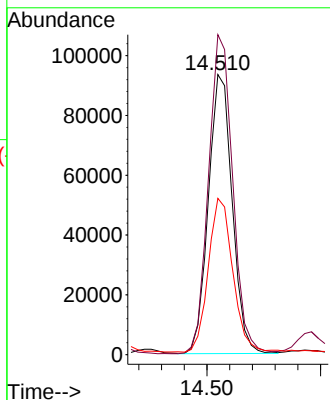
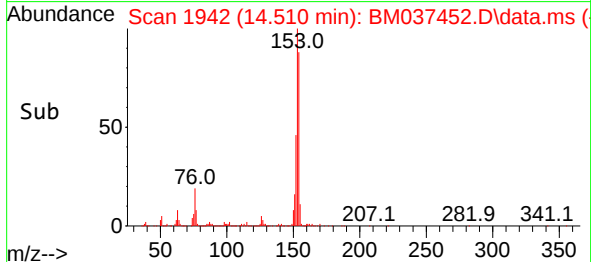
Instrument :
BNA_M
ClientSampleId :
PL-03-110722DL



Tgt Ion:154 Resp: 136238
Ion Ratio Lower Upper
154 100
153 114.3 91.5 137.3
152 55.8 43.0 64.6

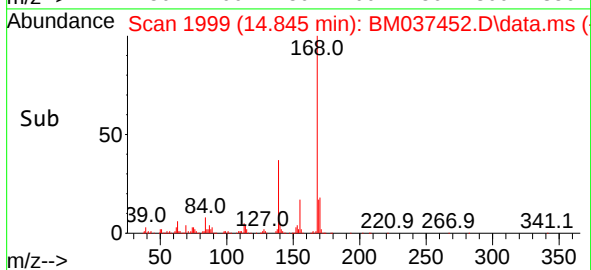
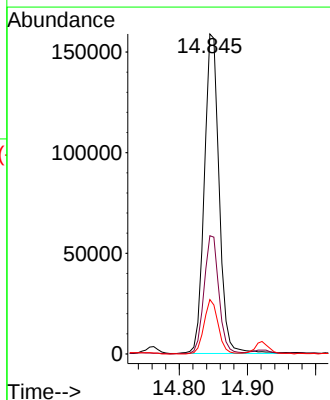
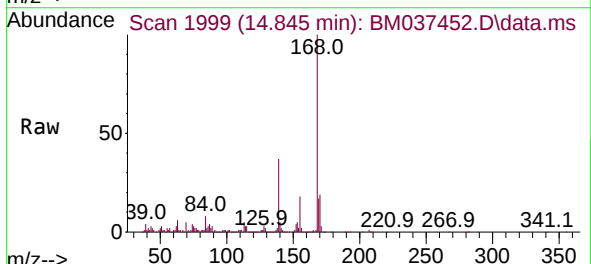
Manual Integrations
APPROVED

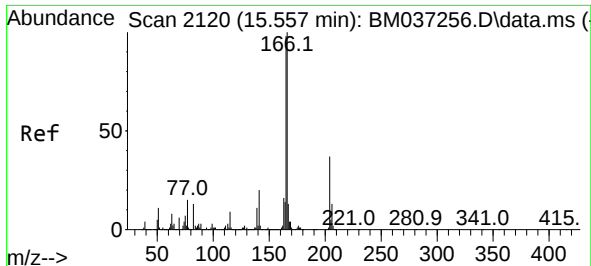
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#55
Dibenzofuran
Concen: 3.729 ng
RT: 14.845 min Scan# 1999
Delta R.T. -0.018 min
Lab File: BM037452.D
Acq: 10 Nov 2022 15:33

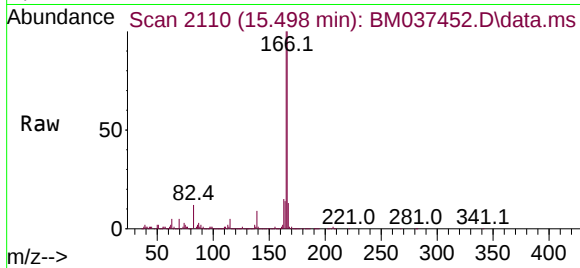
Tgt Ion:168 Resp: 240280
Ion Ratio Lower Upper
168 100
139 36.9 29.3 43.9
169 17.0 10.6 16.0#





#58
Fluorene
Concen: 7.415 ng
RT: 15.498 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BM037452.D
Acq: 10 Nov 2022 15:33

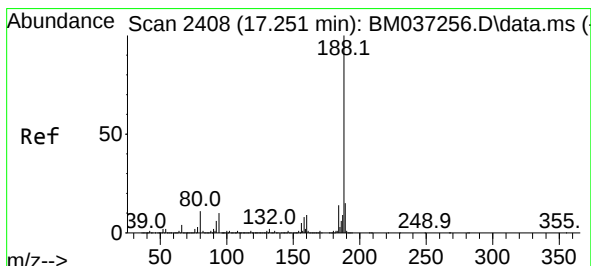
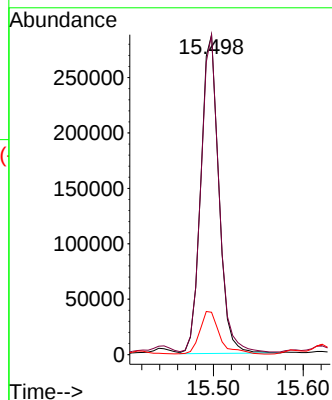
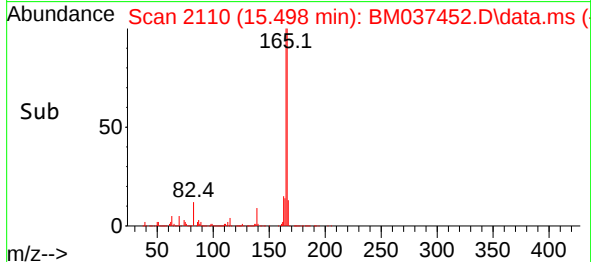
Instrument :
BNA_M
ClientSampleId :
PL-03-110722DL



Tgt Ion:166 Resp: 398789
Ion Ratio Lower Upper
166 100
165 100.1 78.2 117.4
167 13.3 10.6 15.8

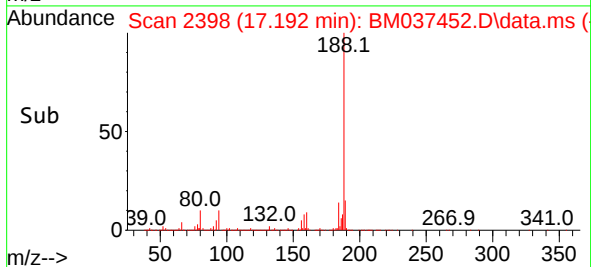
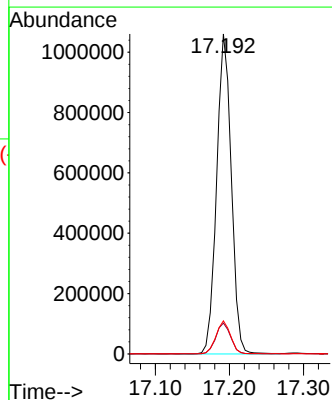
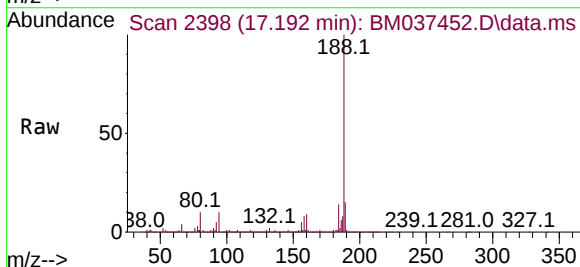
Manual Integrations
APPROVED

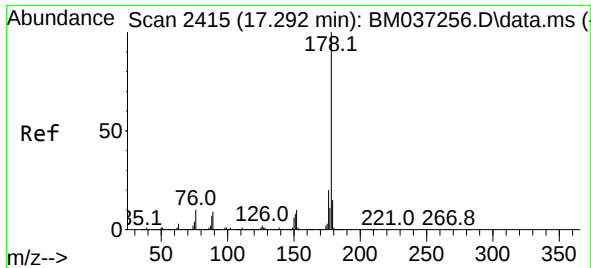
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2398
Delta R.T. -0.012 min
Lab File: BM037452.D
Acq: 10 Nov 2022 15:33

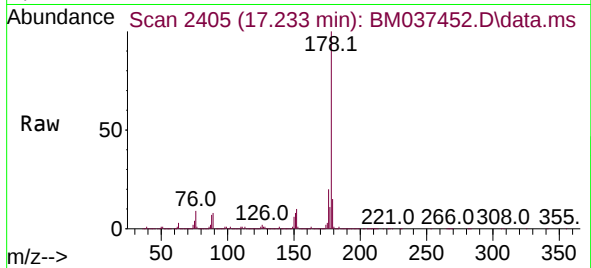
Tgt Ion:188 Resp: 1454421
Ion Ratio Lower Upper
188 100
94 9.6 7.9 11.9
80 10.3 8.5 12.7





#71
Phenanthrene
Concen: 32.379 ng
RT: 17.233 min Scan# 2415
Delta R.T. -0.018 min
Lab File: BM037452.D
Acq: 10 Nov 2022 15:33

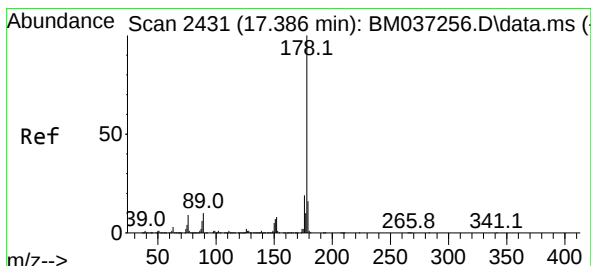
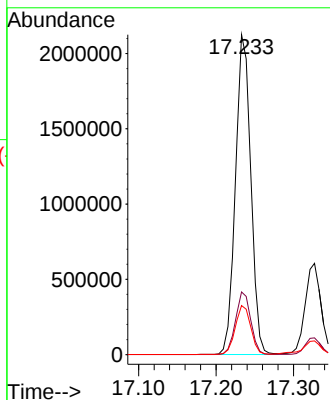
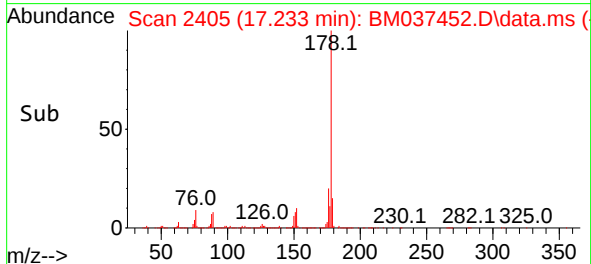
Instrument :
BNA_M
ClientSampleId :
PL-03-110722DL



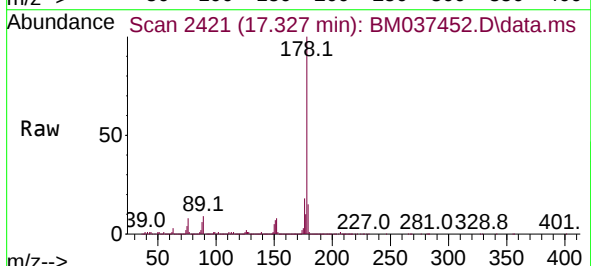
Tgt Ion:178 Resp: 292166
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 15.3 12.4 18.6

Manual Integrations
APPROVED

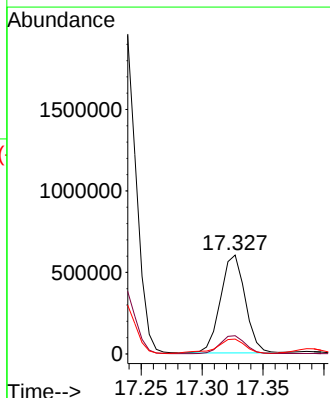
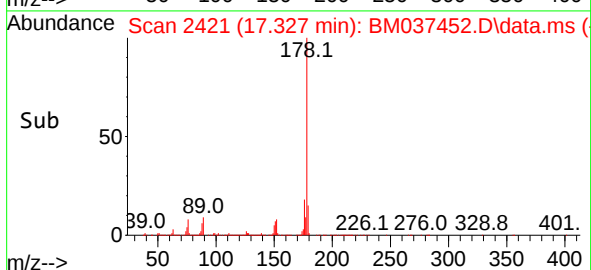
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022

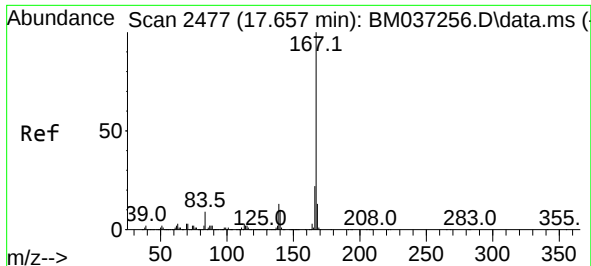


#72
Anthracene
Concen: 9.876 ng
RT: 17.327 min Scan# 2421
Delta R.T. -0.012 min
Lab File: BM037452.D
Acq: 10 Nov 2022 15:33



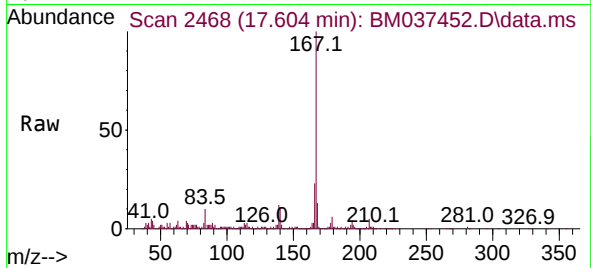
Tgt Ion:178 Resp: 843608
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 15.1 12.6 19.0





#73
 Carbazole
 Concen: 2.555 ng
 RT: 17.604 min Scan# 2477
 Delta R.T. -0.012 min
 Lab File: BM037452.D
 Acq: 10 Nov 2022 15:33

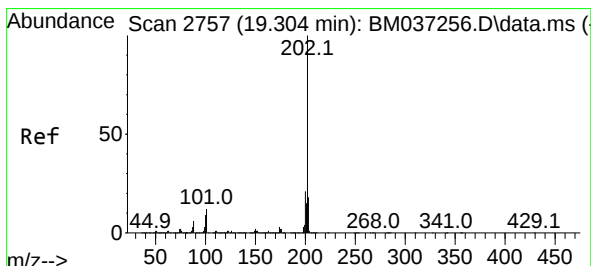
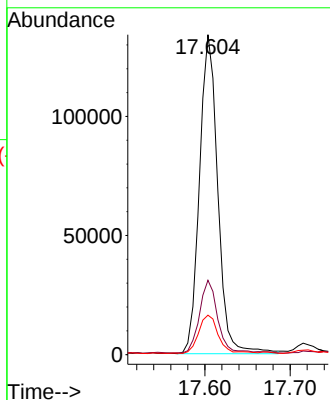
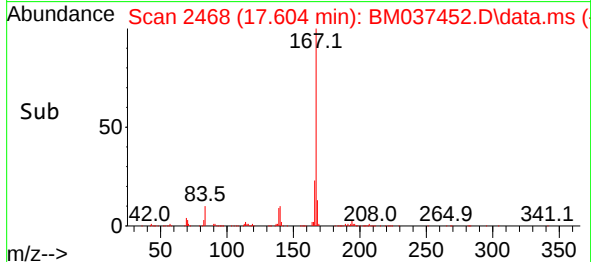
Instrument :
 BNA_M
 ClientSampleId :
 PL-03-110722DL



Tgt Ion:167 Resp: 200223
 Ion Ratio Lower Upper
 167 100
 166 23.2 17.4 26.2
 139 12.3 10.4 15.6

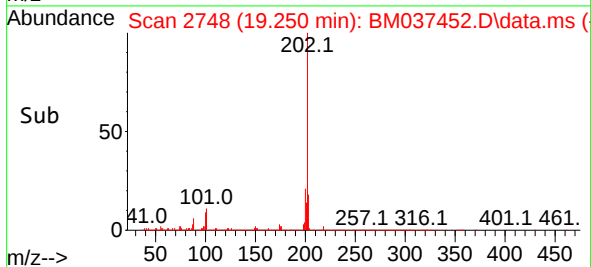
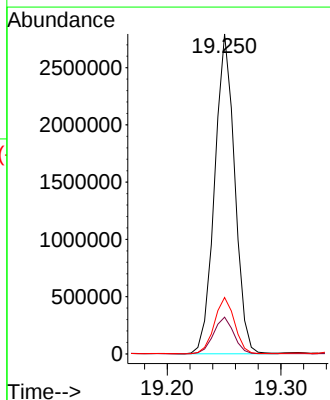
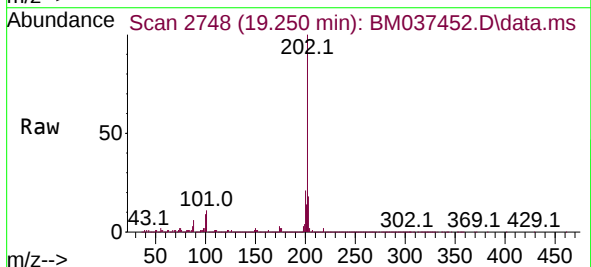
Manual Integrations
 APPROVED

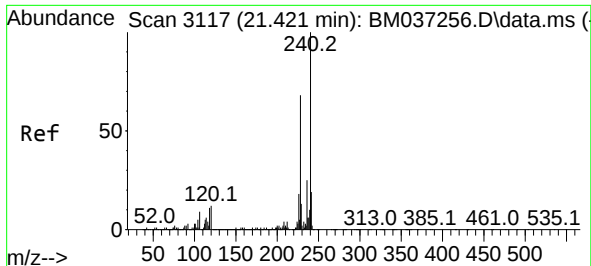
Reviewed By :Christian Giraldo 11/11/2022
 Supervised By :Jagrut Upadhyay 11/11/2022



#75
 Fluoranthene
 Concen: 35.836 ng
 RT: 19.250 min Scan# 2748
 Delta R.T. -0.012 min
 Lab File: BM037452.D
 Acq: 10 Nov 2022 15:33

Tgt Ion:202 Resp: 3418133
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 32.4
 203 17.6 0.0 37.8





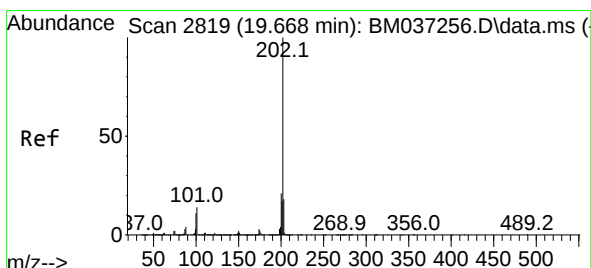
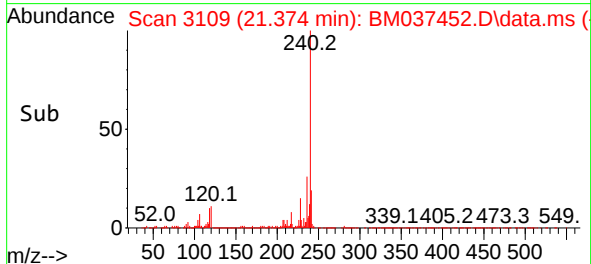
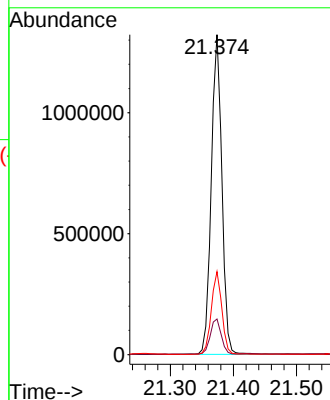
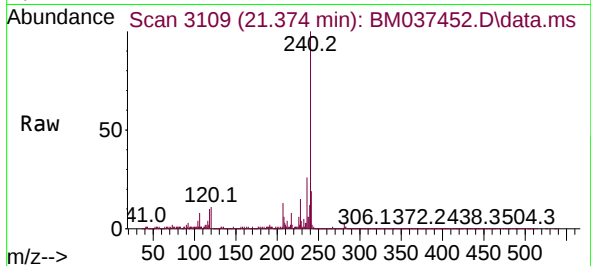
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.374 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BM037452.D
Acq: 10 Nov 2022 15:33

Instrument :
BNA_M
ClientSampleId :
PL-03-110722DL

Tgt Ion:240 Resp: 1543559
Ion Ratio Lower Upper
240 100
120 11.1 9.9 14.9
236 25.9 20.3 30.5

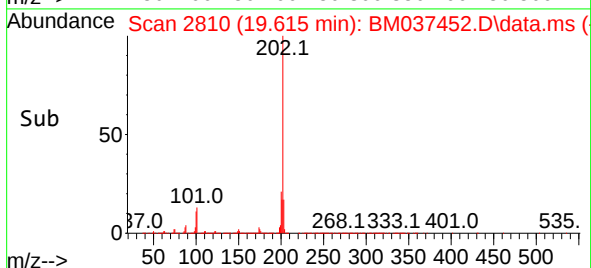
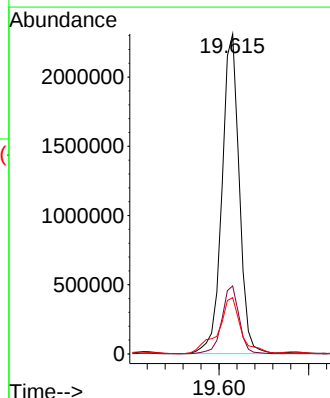
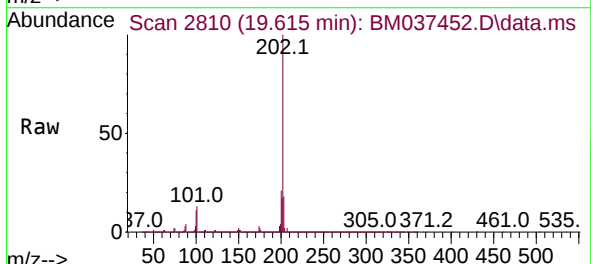
Manual Integrations
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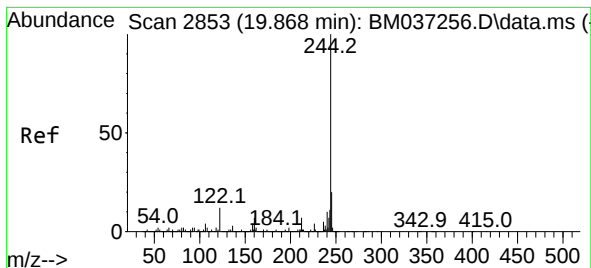
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#78
Pyrene
Concen: 26.033 ng
RT: 19.615 min Scan# 2810
Delta R.T. -0.006 min
Lab File: BM037452.D
Acq: 10 Nov 2022 15:33

Tgt Ion:202 Resp: 3089958
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.6
203 17.6 14.1 21.1





#79

Terphenyl-d14

Concen: 5.439 ng

RT: 19.815 min Scan# 28

Delta R.T. -0.012 min

Lab File: BM037452.D

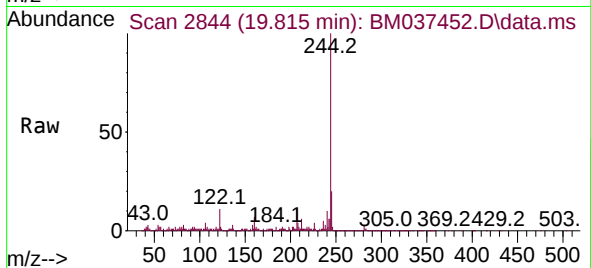
Acq: 10 Nov 2022 15:33

Instrument :

BNA_M

ClientSampleId :

PL-03-110722DL



Tgt Ion:244 Resp: 468179

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

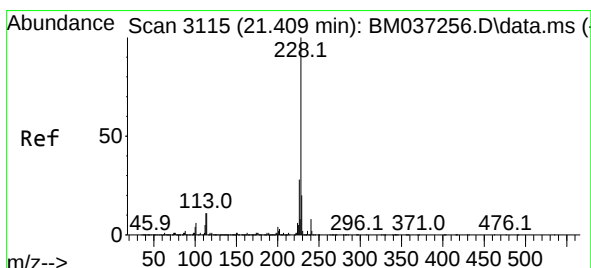
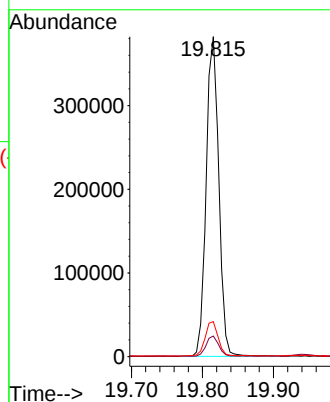
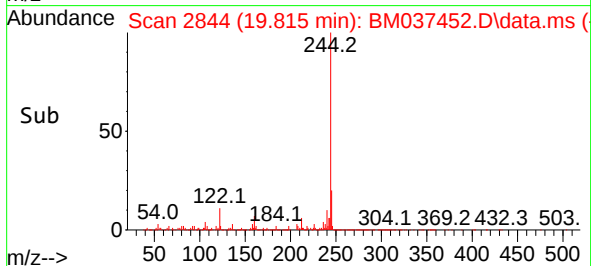
122 10.9 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/11/2022

Supervised By :Jagrut Upadhyay 11/11/2022



#81

Benzo(a)anthracene

Concen: 13.342 ng

RT: 21.356 min Scan# 3106

Delta R.T. -0.006 min

Lab File: BM037452.D

Acq: 10 Nov 2022 15:33

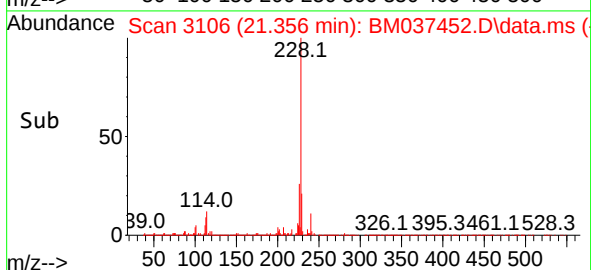
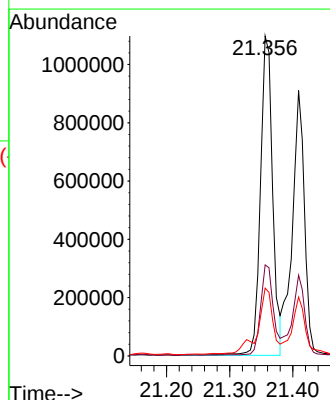
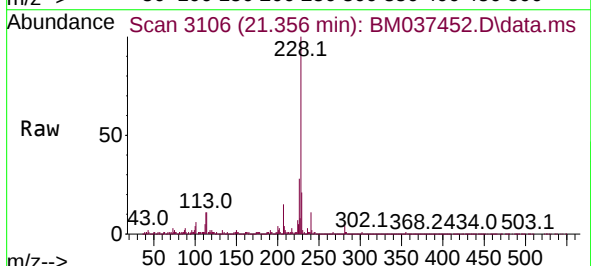
Tgt Ion:228 Resp: 1466127

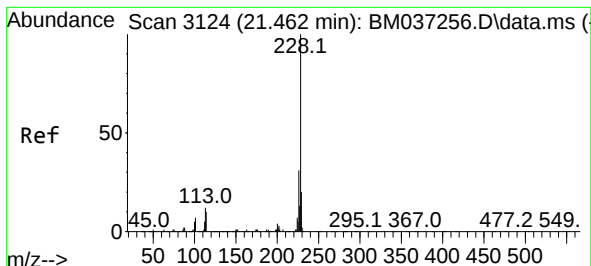
Ion Ratio Lower Upper

228 100

226 28.4 22.3 33.5

229 21.2 16.2 24.2





#83

Chrysene

Concen: 11.492 ng

RT: 21.409 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM037452.D

Acq: 10 Nov 2022 15:33

Instrument :

BNA_M

ClientSampleId :

PL-03-110722DL

Tgt Ion:228 Resp: 1216689

Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

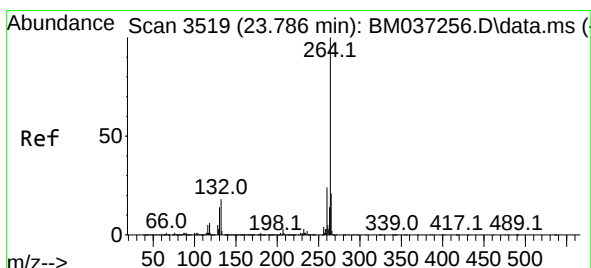
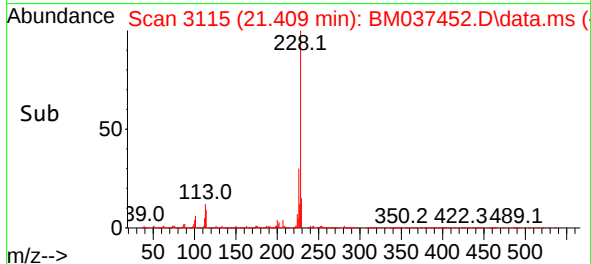
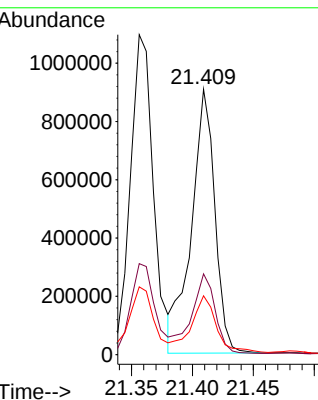
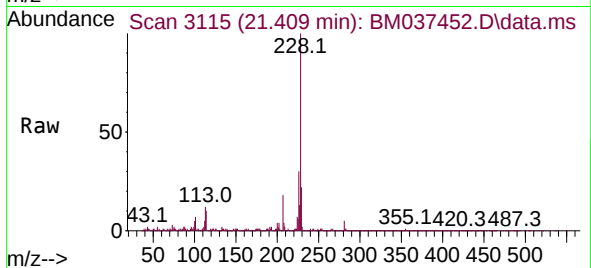
229 22.2 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/11/2022

Supervised By :Jagrut Upadhyay 11/11/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.703 min Scan# 3505

Delta R.T. -0.006 min

Lab File: BM037452.D

Acq: 10 Nov 2022 15:33

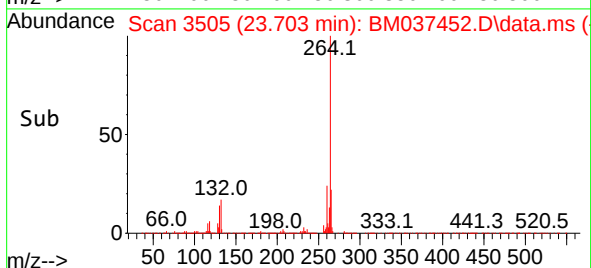
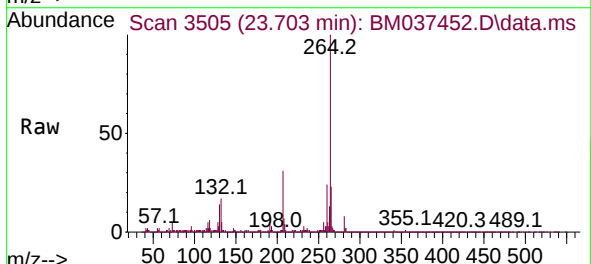
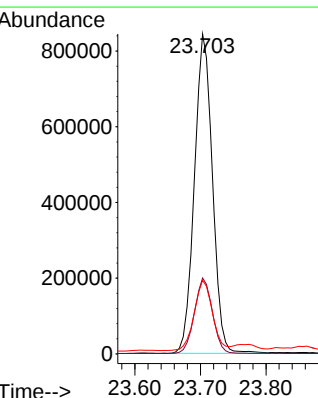
Tgt Ion:264 Resp: 1610639

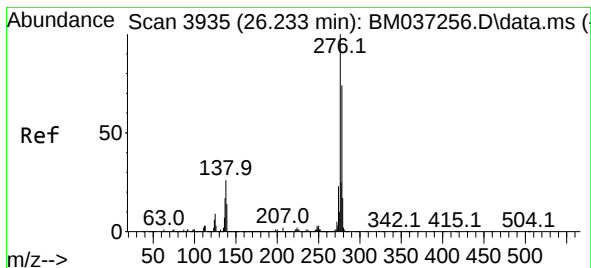
Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

265 23.0 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.969 ng

RT: 26.109 min Scan# 3935

Delta R.T. -0.024 min

Lab File: BM037452.D

Acq: 10 Nov 2022 15:33

Instrument :

BNA_M

ClientSampleId :

PL-03-110722DL

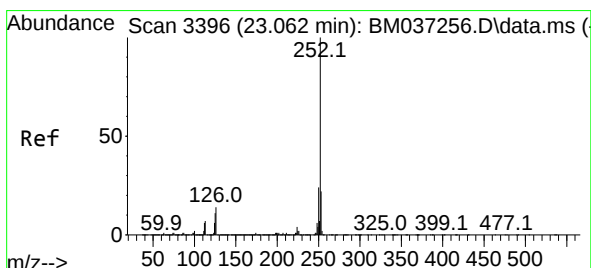
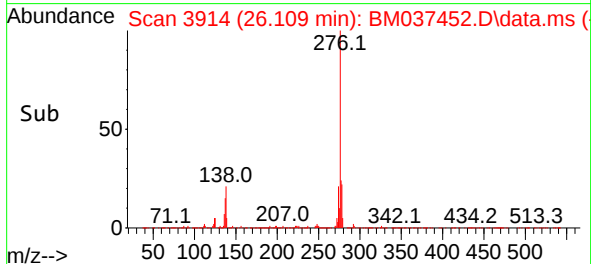
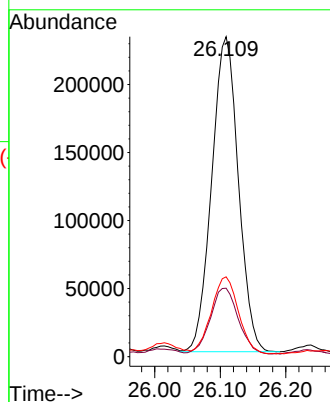
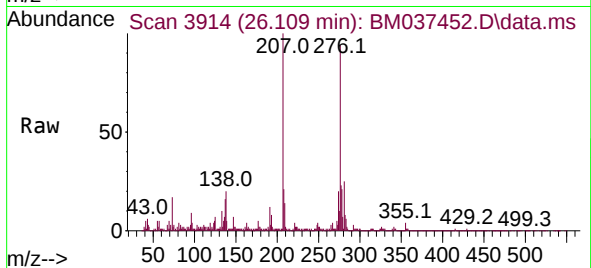
Tgt Ion:	276	Resp:	655314
Ion Ratio	Lower	Upper	
276	100		
138	22.0	21.5	32.3
277	24.9	20.1	30.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/11/2022

Supervised By :Jagrut Upadhyay 11/11/2022



#88

Benzo(b)fluoranthene

Concen: 12.779 ng

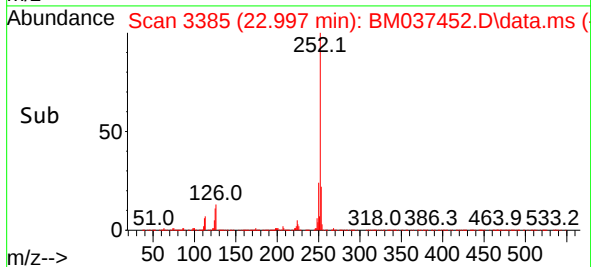
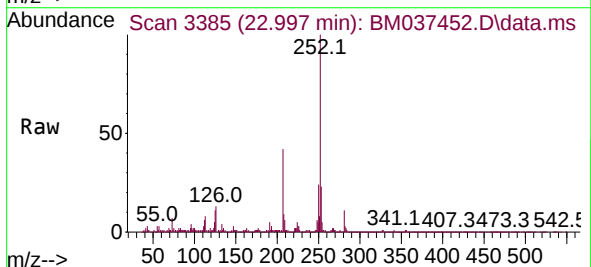
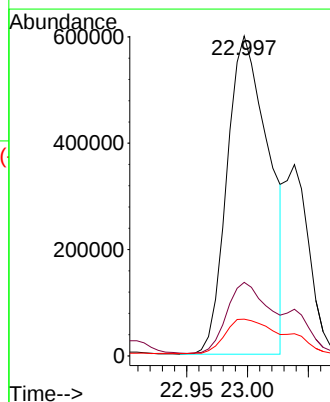
RT: 22.997 min Scan# 3385

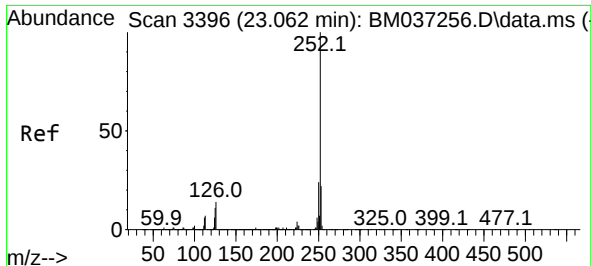
Delta R.T. -0.006 min

Lab File: BM037452.D

Acq: 10 Nov 2022 15:33

Tgt Ion:	252	Resp:	1428932
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.8	26.6
125	11.5	9.1	13.7





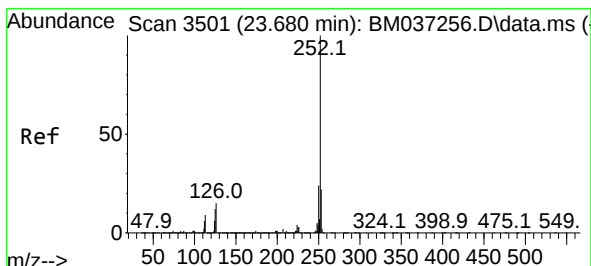
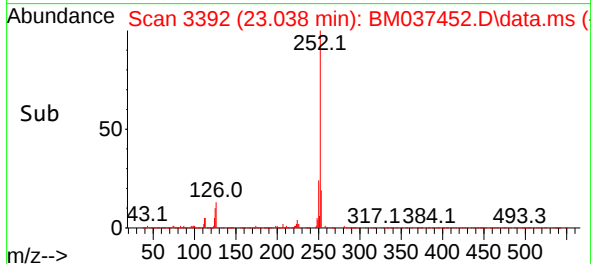
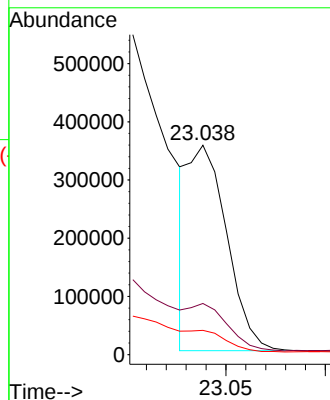
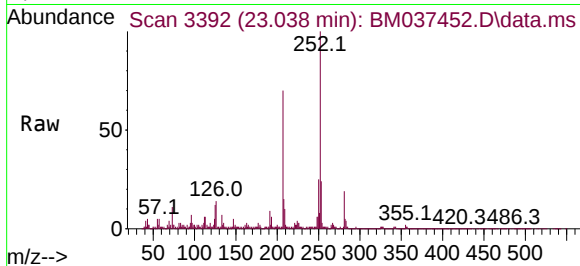
#89
Benzo(k)fluoranthene
Concen: 4.157 ng m
RT: 23.038 min Scan# 3396
Delta R.T. -0.012 min
Lab File: BM037452.D
Acq: 10 Nov 2022 15:33

Instrument :
BNA_M
ClientSampleId :
PL-03-110722DL

Tgt Ion:252 Resp: 474105
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.6
125 11.6 9.1 13.7

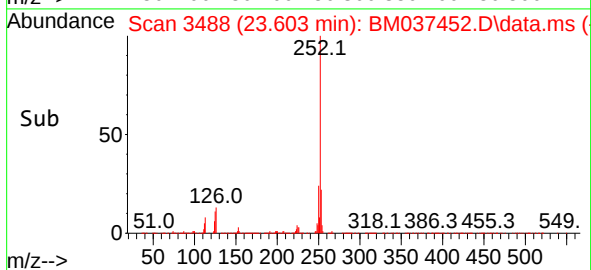
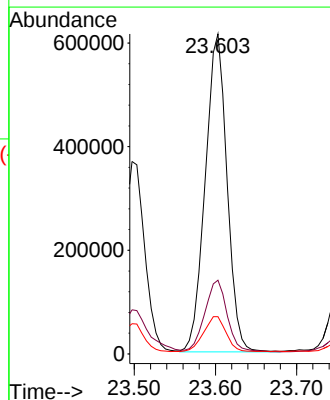
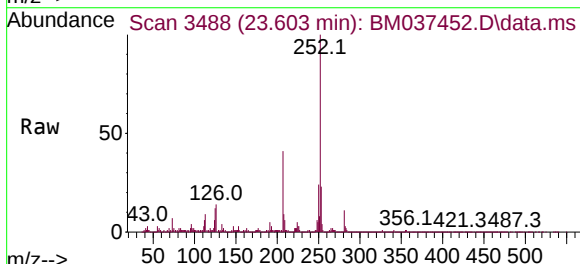
Manual Integrations
APPROVED

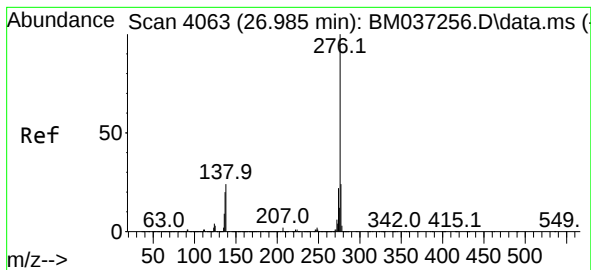
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#90
Benzo(a)pyrene
Concen: 12.589 ng
RT: 23.603 min Scan# 3488
Delta R.T. -0.006 min
Lab File: BM037452.D
Acq: 10 Nov 2022 15:33

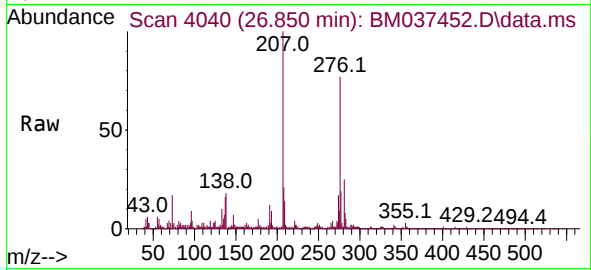
Tgt Ion:252 Resp: 1146999
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 11.7 9.9 14.9





#92
Benzo(g,h,i)perylene
Concen: 5.949 ng
RT: 26.850 min Scan# 4063
Delta R.T. -0.029 min
Lab File: BM037452.D
Acq: 10 Nov 2022 15:33

Instrument :
BNA_M
ClientSampleId :
PL-03-110722DL



Tgt Ion: 276 Resp: 634083
Ion Ratio Lower Upper
276 100
277 24.7 19.4 29.2
138 22.7 18.9 28.3

Manual Integrations
APPROVED

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

