

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
 Data File : BM037450.D
 Acq On : 10 Nov 2022 14:20
 Operator : CG/JU
 Sample : N5511-05DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PL-05-110722DL

Manual Integrations
 APPROVED

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

Quant Time: Nov 10 15:56:15 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	281157	20.000	ng	-0.01
21) Naphthalene-d8	10.610	136	1051429	20.000	ng	-0.02
39) Acenaphthene-d10	14.451	164	566843	20.000	ng	-0.01
64) Phenanthrene-d10	17.192	188	1100331	20.000	ng	-0.01
76) Chrysene-d12	21.374	240	1155296	20.000	ng	0.00
86) Perylene-d12	23.703	264	1300090	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	315605	19.393	ng	0.00
7) Phenol-d6	6.992	99	378794	17.150	ng	-0.01
23) Nitrobenzene-d5	8.981	82	224805	10.787	ng	-0.02
42) 2,4,6-Tribromophenol	15.939	330	121559	18.197	ng	-0.02
45) 2-Fluorobiphenyl	13.074	172	436300	10.227	ng	-0.02
79) Terphenyl-d14	19.815	244	622052	9.656	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.663	128	2597672	43.607	ng	97
37) 2-Methylnaphthalene	12.275	142	1783204	44.182	ng	99
38) 1-Methylnaphthalene	12.492	142	939710	23.829	ng	99
71) Phenanthrene	17.233	178	697659	10.220	ng	100
72) Anthracene	17.327	178	309391	4.787	ng	99
75) Fluoranthene	19.251	202	2073706	28.737	ng	98
78) Pyrene	19.615	202	1725032	19.418	ng	100
81) Benzo(a)anthracene	21.356	228	1194773	14.526	ng	99
83) Chrysene	21.409	228	984971	12.430	ng	98
87) Indeno(1,2,3-cd)pyrene	26.103	276	661897	6.218	ng	# 94
88) Benzo(b)fluoranthene	22.997	252	1375157	15.236	ng	99
89) Benzo(k)fluoranthene	23.038	252	463395m	5.033	ng	
90) Benzo(a)pyrene	23.597	252	1053651	14.327	ng	98
91) Dibenzo(a,h)anthracene	26.109	278	188448m	2.132	ng	
92) Benzo(g,h,i)perylene	26.856	276	622432	7.235	ng	97

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

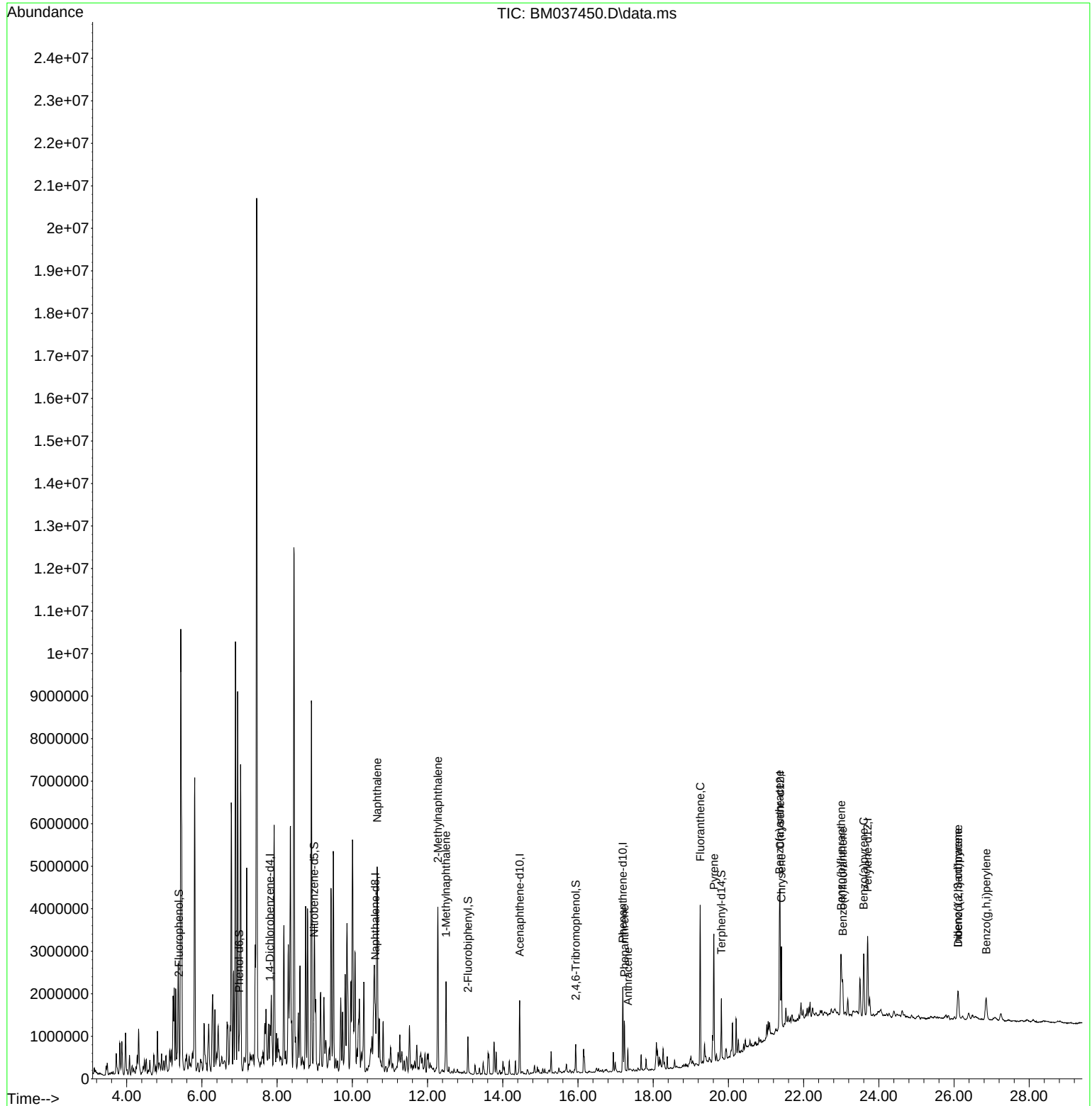
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
Data File : BM037450.D
Acq On : 10 Nov 2022 14:20
Operator : CG/JU
Sample : N5511-05DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

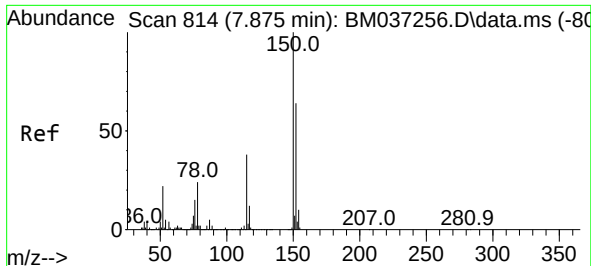
Instrument :
BNA_M
ClientSampleId :
PL-05-110722DL

Manual Integrations
APPROVED

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

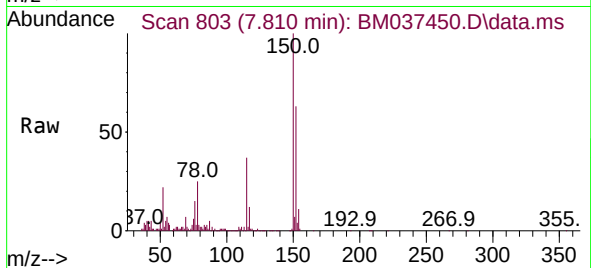
Quant Time: Nov 10 15:56:15 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 09 02:08:14 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 80
Delta R.T. -0.012 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

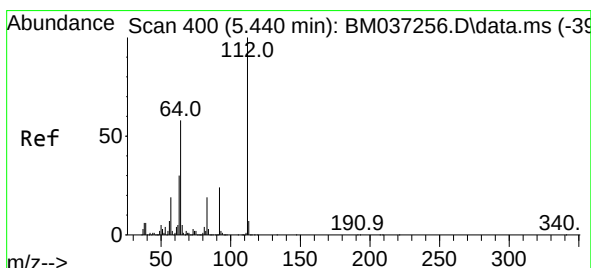
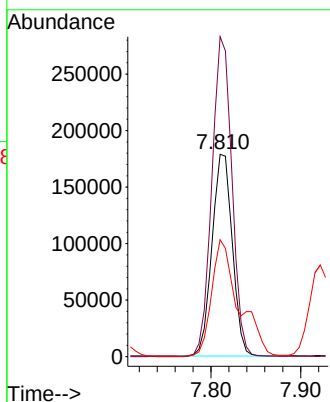
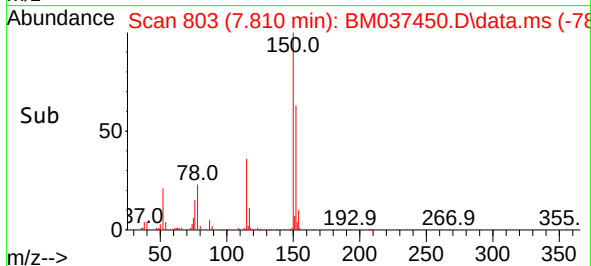
Instrument :
BNA_M
ClientSampleId :
PL-05-110722DL



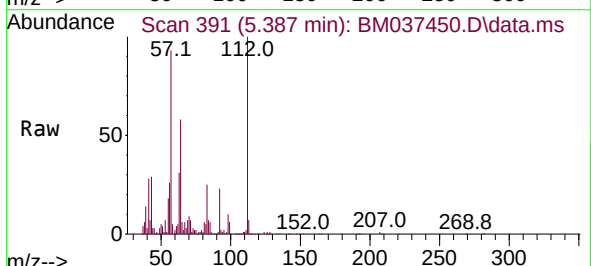
Tgt Ion:152 Resp: 28115
Ion Ratio Lower Upper
152 100
150 158.1 124.8 187.2
115 57.7 47.0 70.4

Manual Integrations
APPROVED

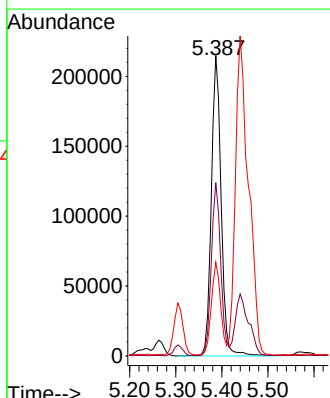
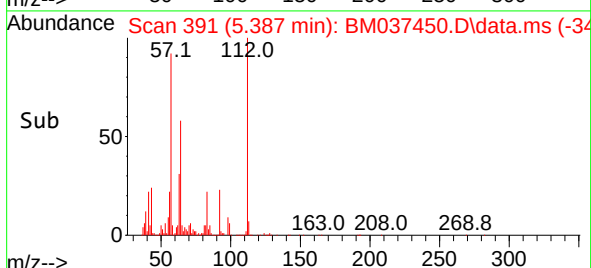
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022

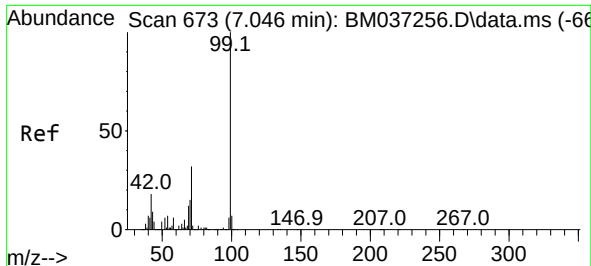


#5
2-Fluorophenol
Concen: 19.393 ng
RT: 5.387 min Scan# 391
Delta R.T. -0.006 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20



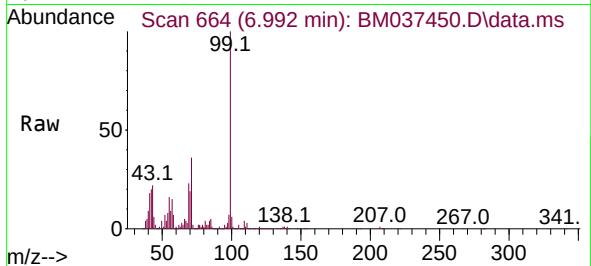
Tgt Ion:112 Resp: 315605
Ion Ratio Lower Upper
112 100
64 57.7 46.8 70.2
63 31.2 24.4 36.6





#7
Phenol-d6
Concen: 17.150 ng
RT: 6.992 min Scan# 60
Delta R.T. -0.012 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

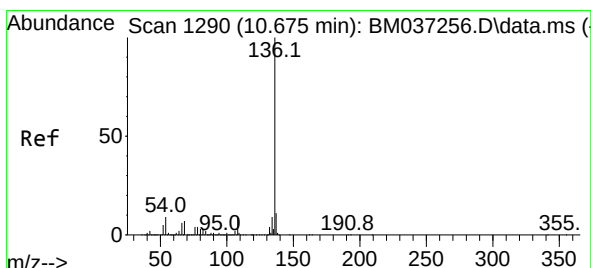
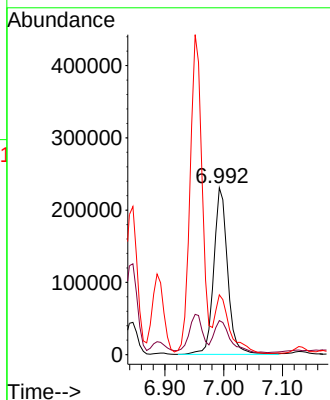
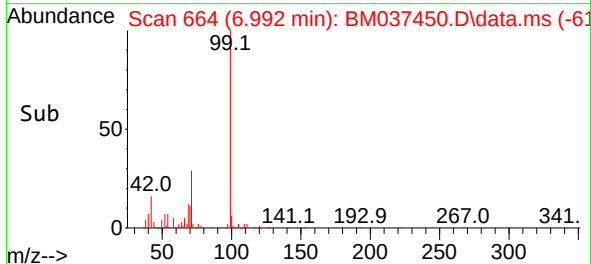
Instrument :
BNA_M
ClientSampleId :
PL-05-110722DL



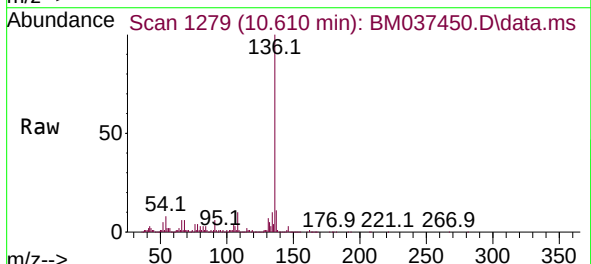
Tgt Ion: 99 Resp: 378794
Ion Ratio Lower Upper
99 100
42 20.4 14.8 22.2
71 35.8 25.6 38.4

Manual Integrations
APPROVED

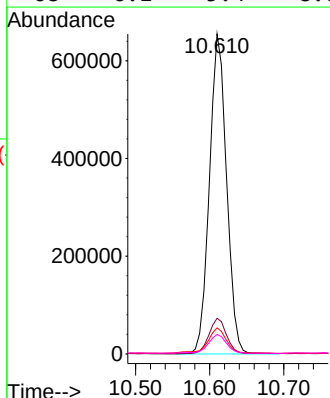
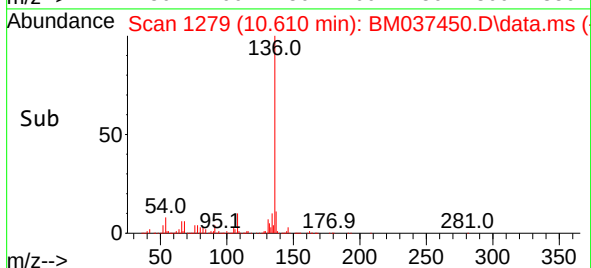
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022

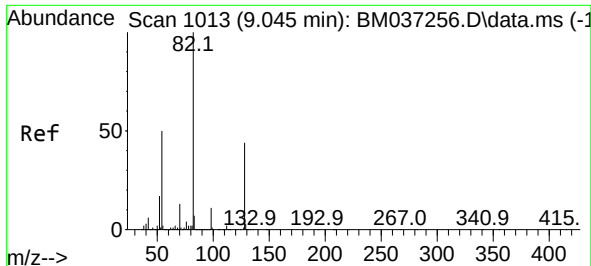


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1279
Delta R.T. -0.018 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20



Tgt Ion:136 Resp: 1051429
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 8.1 7.0 10.4
68 6.1 5.4 8.0





#23

Nitrobenzene-d5

Concen: 10.787 ng

RT: 8.981 min Scan# 10

Delta R.T. -0.018 min

Lab File: BM037450.D

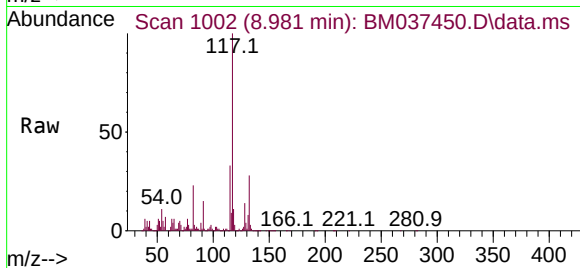
Acq: 10 Nov 2022 14:20

Instrument :

BNA_M

ClientSampleId :

PL-05-110722DL



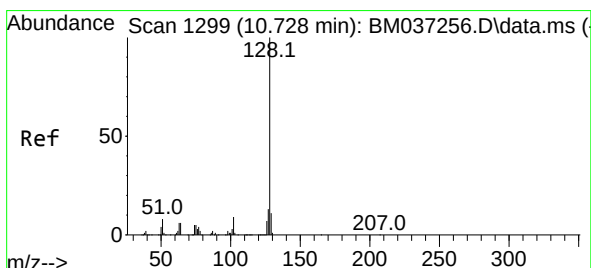
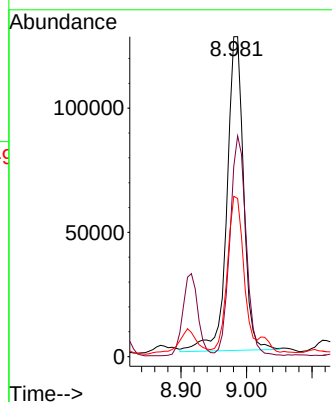
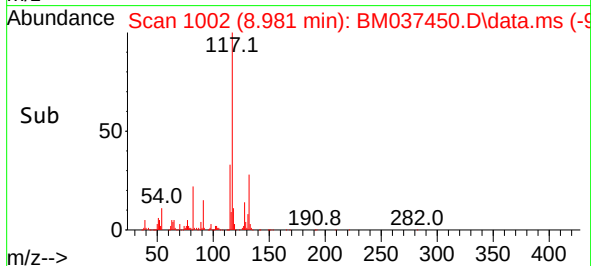
Tgt Ion:	82	Resp:	224805
Ion Ratio	Lower	Upper	
82	100		
128	59.5	35.2	52.8
54	50.1	40.4	60.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/11/2022

Supervised By :Jagrut Upadhyay 11/11/2022



#31

Naphthalene

Concen: 43.607 ng

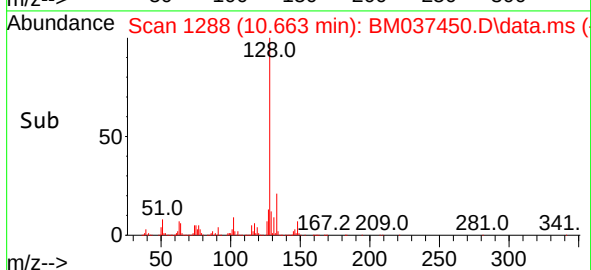
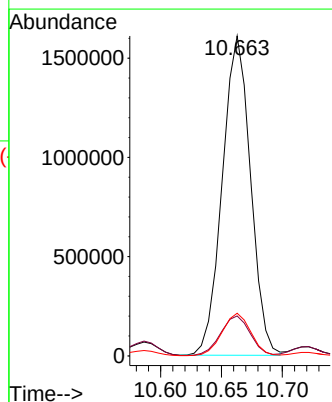
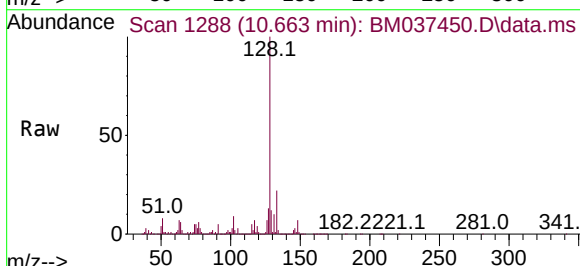
RT: 10.663 min Scan# 1288

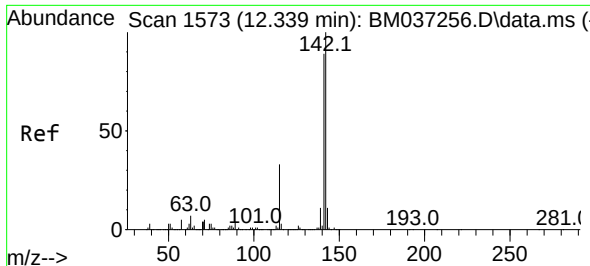
Delta R.T. -0.012 min

Lab File: BM037450.D

Acq: 10 Nov 2022 14:20

Tgt Ion:	128	Resp:	2597672
Ion Ratio	Lower	Upper	
128	100		
129	12.5	8.7	13.1
127	13.3	10.2	15.2





#37

2-Methylnaphthalene

Concen: 44.182 ng

RT: 12.275 min Scan# 1562

Delta R.T. -0.012 min

Lab File: BM037450.D

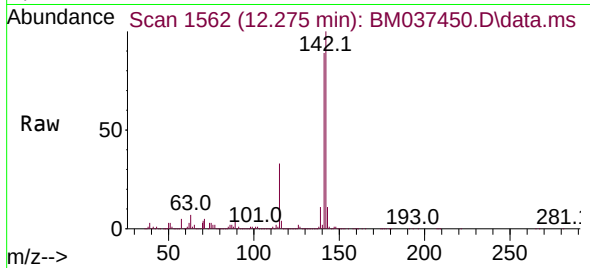
Acq: 10 Nov 2022 14:20

Instrument :

BNA_M

ClientSampleId :

PL-05-110722DL



Tgt Ion:142 Resp: 1783204

Ion Ratio Lower Upper

142 100

141 89.0 71.3 106.9

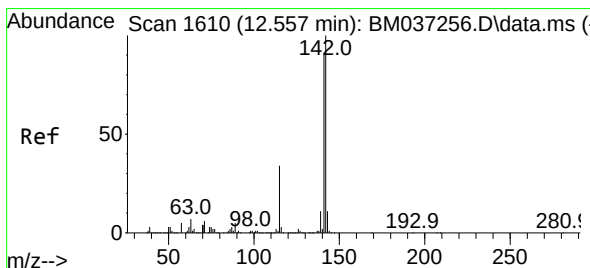
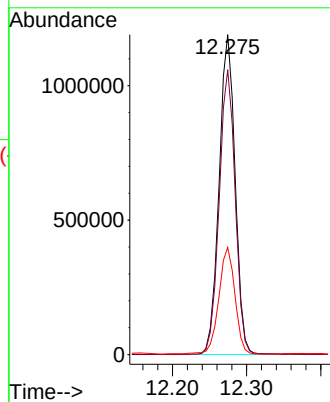
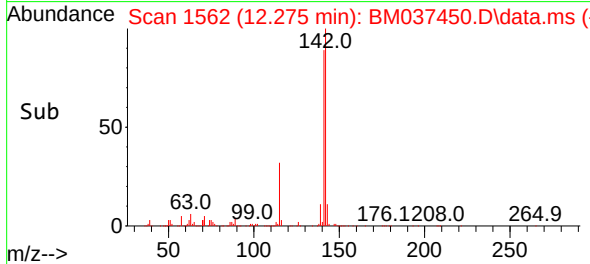
115 33.5 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/11/2022

Supervised By :Jagrut Upadhyay 11/11/2022



#38

1-Methylnaphthalene

Concen: 23.829 ng

RT: 12.492 min Scan# 1599

Delta R.T. -0.012 min

Lab File: BM037450.D

Acq: 10 Nov 2022 14:20

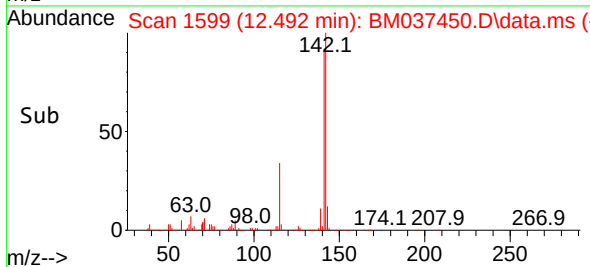
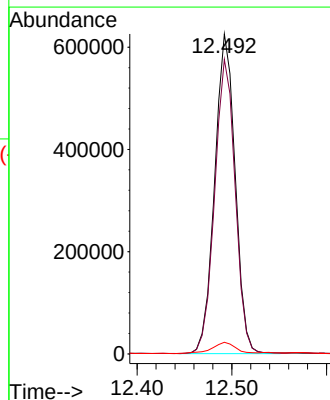
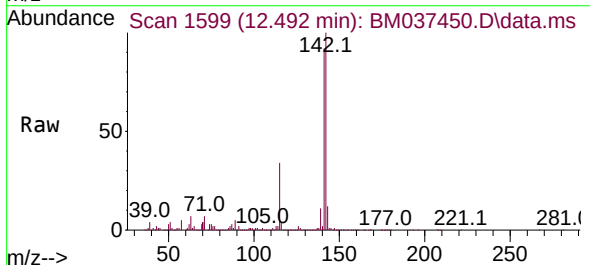
Tgt Ion:142 Resp: 939710

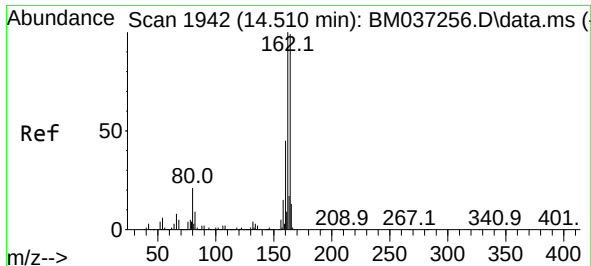
Ion Ratio Lower Upper

142 100

141 92.0 73.0 109.6

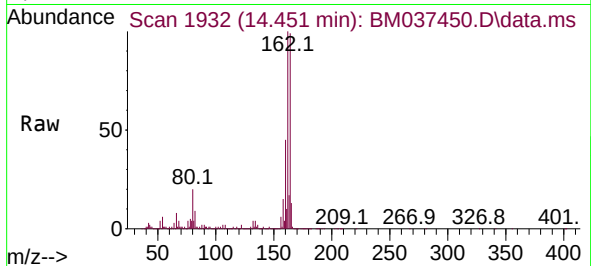
116 3.6 2.8 4.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

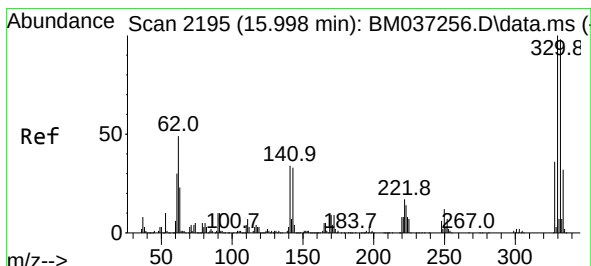
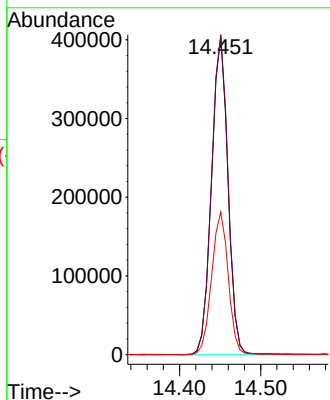
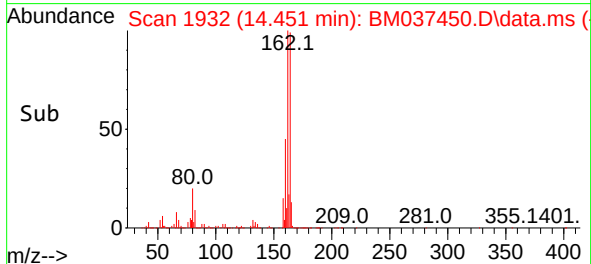
Instrument :
BNA_M
ClientSampleId :
PL-05-110722DL



Tgt Ion:164 Resp: 566843
Ion Ratio Lower Upper
164 100
162 100.6 80.6 120.8
160 44.8 36.2 54.4

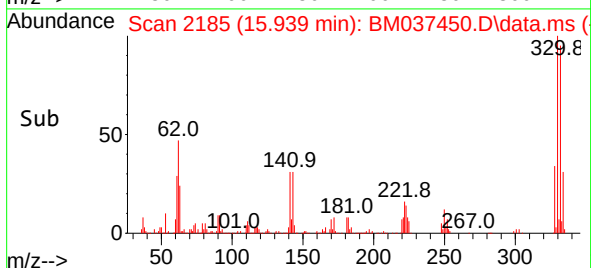
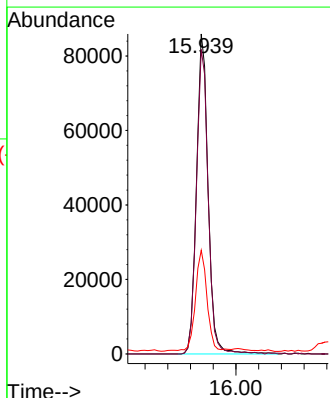
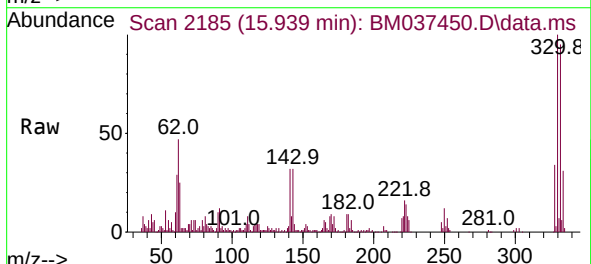
Manual Integrations
APPROVED

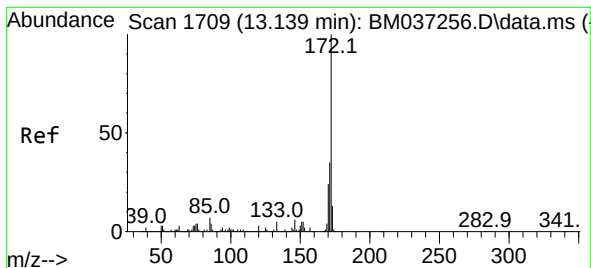
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#42
2,4,6-Tribromophenol
Concen: 18.197 ng
RT: 15.939 min Scan# 2185
Delta R.T. -0.018 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

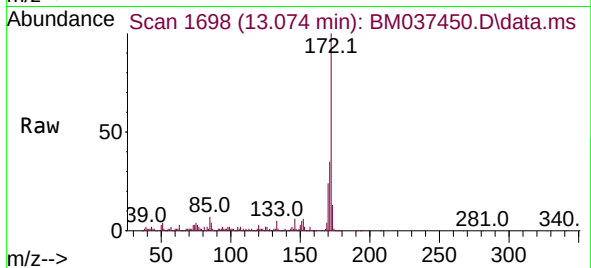
Tgt Ion:330 Resp: 121559
Ion Ratio Lower Upper
330 100
332 96.4 78.0 117.0
141 31.5 27.5 41.3





#45
2-Fluorobiphenyl
Concen: 10.227 ng
RT: 13.074 min Scan# 1698
Delta R.T. -0.018 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

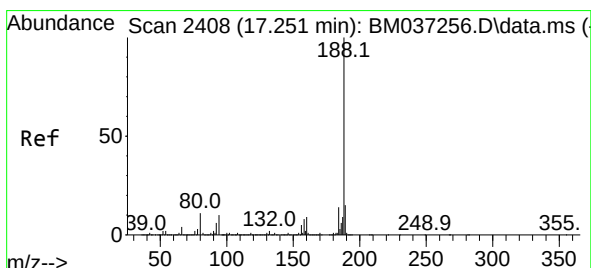
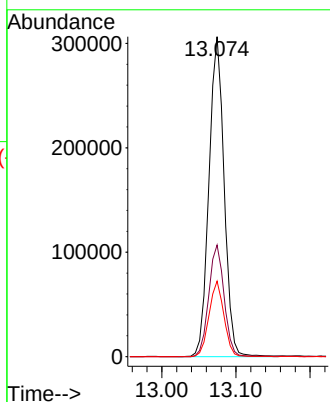
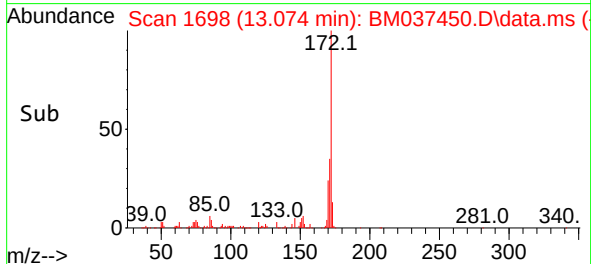
Instrument :
BNA_M
ClientSampleId :
PL-05-110722DL



Tgt Ion:172 Resp: 436300
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.6 19.0 28.4

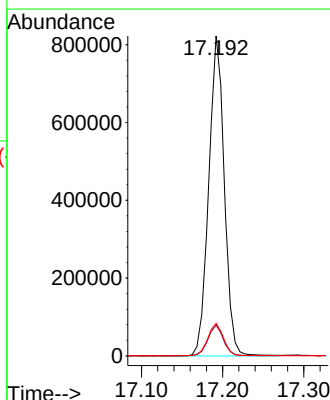
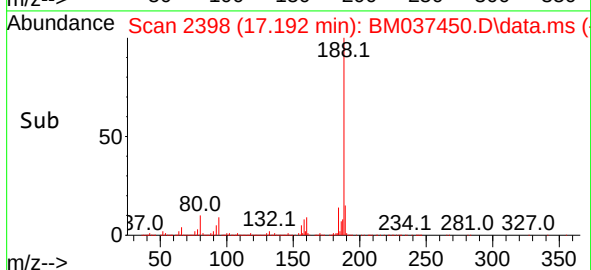
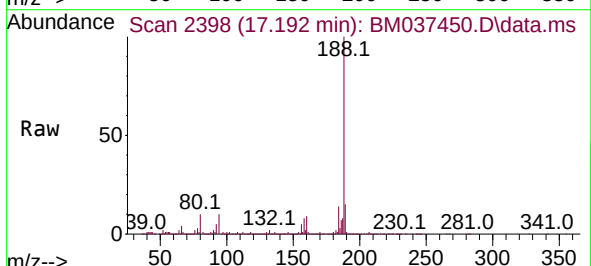
Manual Integrations
APPROVED

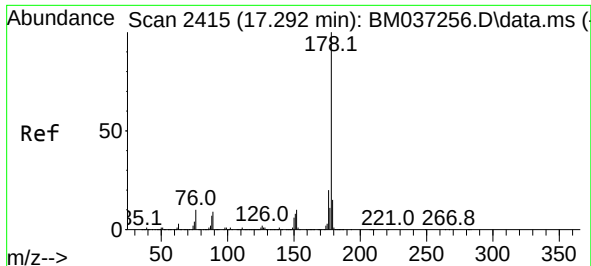
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2398
Delta R.T. -0.012 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

Tgt Ion:188 Resp: 1100331
Ion Ratio Lower Upper
188 100
94 9.6 7.9 11.9
80 10.2 8.5 12.7





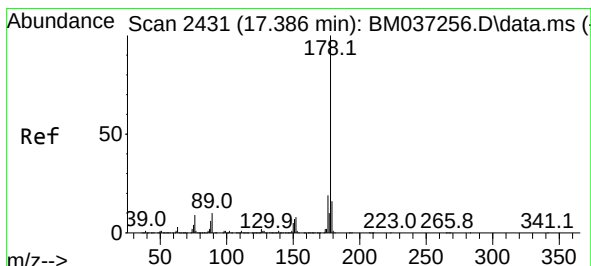
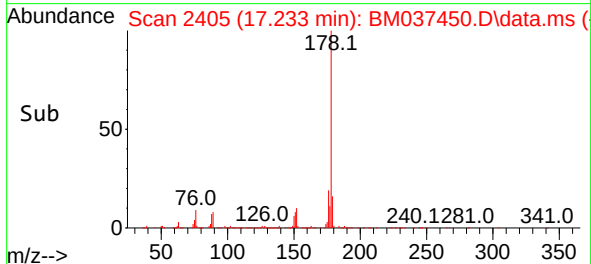
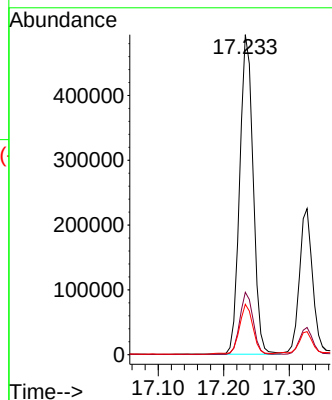
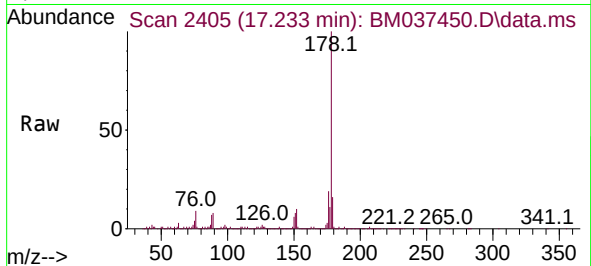
#71
Phenanthrene
Concen: 10.220 ng
RT: 17.233 min Scan# 2415
Delta R.T. -0.018 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

Instrument :
BNA_M
ClientSampleId :
PL-05-110722DL

Tgt Ion:178 Resp: 697659
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.7 12.4 18.6

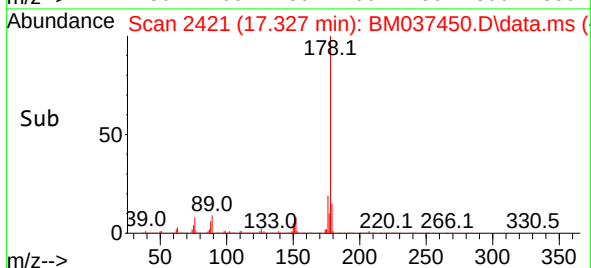
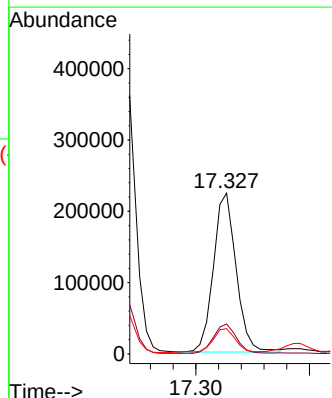
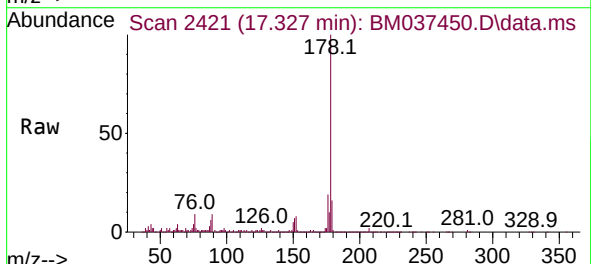
Manual Integrations
APPROVED

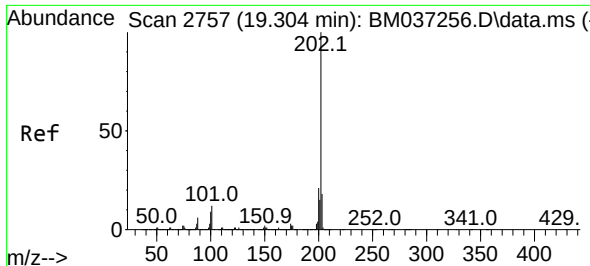
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#72
Anthracene
Concen: 4.787 ng
RT: 17.327 min Scan# 2421
Delta R.T. -0.012 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

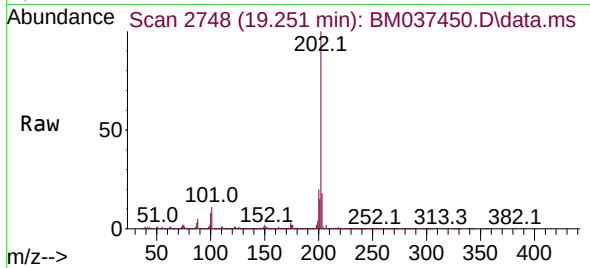
Tgt Ion:178 Resp: 309391
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 15.7 12.6 19.0





#75
Fluoranthene
Concen: 28.737 ng
RT: 19.251 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

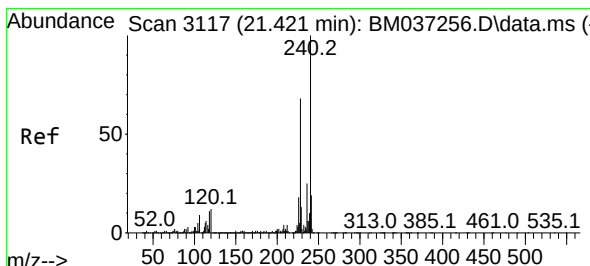
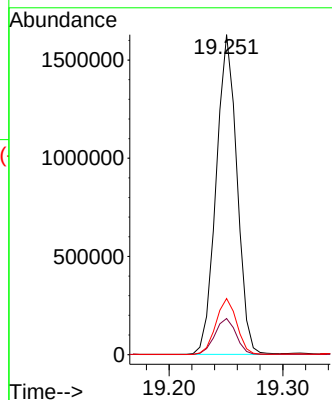
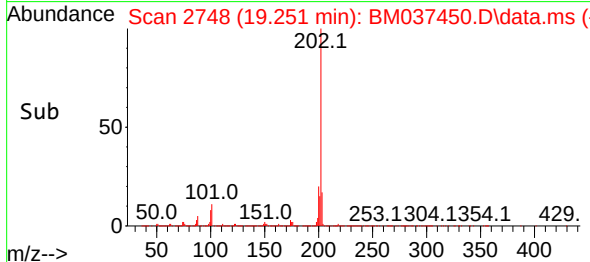
Instrument :
BNA_M
ClientSampleId :
PL-05-110722DL



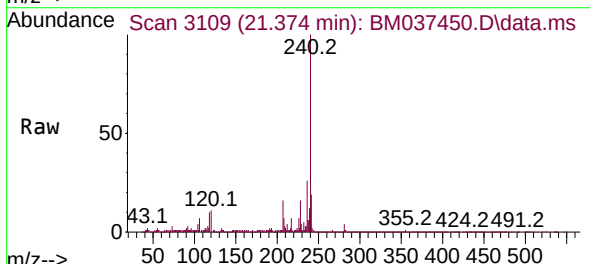
Tgt Ion:202 Resp: 2073706
Ion Ratio Lower Upper
202 100
101 11.3 0.0 32.4
203 17.5 0.0 37.8

Manual Integrations
APPROVED

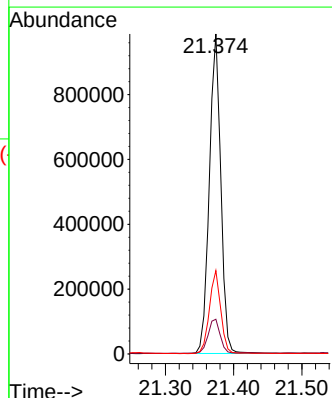
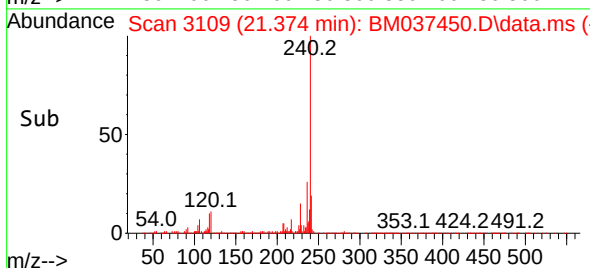
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022

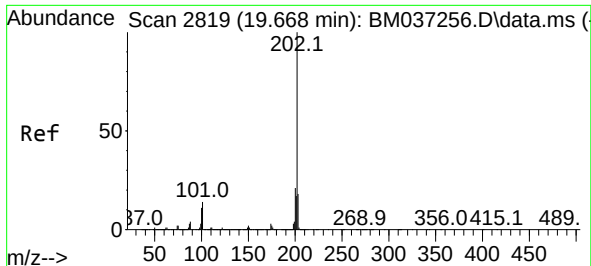


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.374 min Scan# 3109
Delta R.T. -0.006 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20



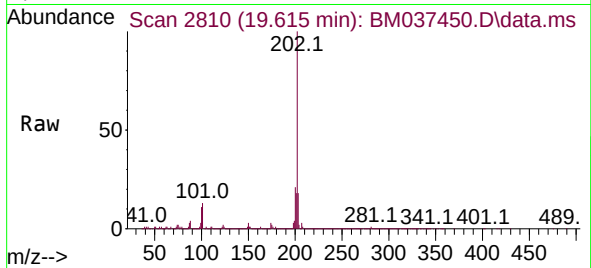
Tgt Ion:240 Resp: 1155296
Ion Ratio Lower Upper
240 100
120 10.8 9.9 14.9
236 26.0 20.3 30.5





#78
Pyrene
Concen: 19.418 ng
RT: 19.615 min Scan# 2819
Delta R.T. -0.006 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

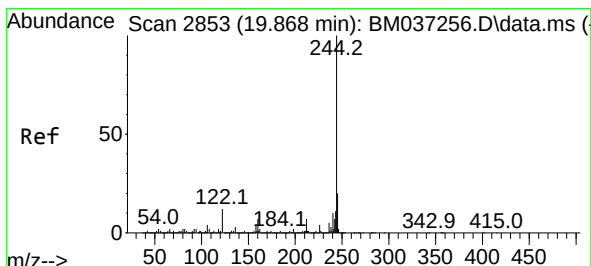
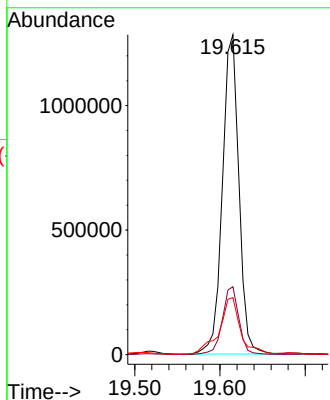
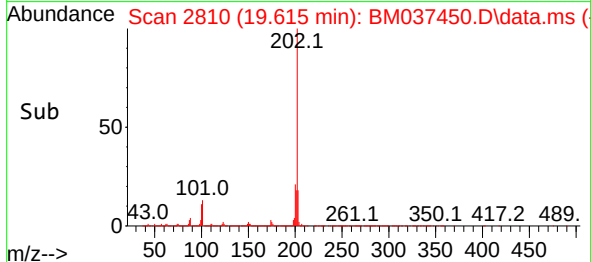
Instrument :
BNA_M
ClientSampleId :
PL-05-110722DL



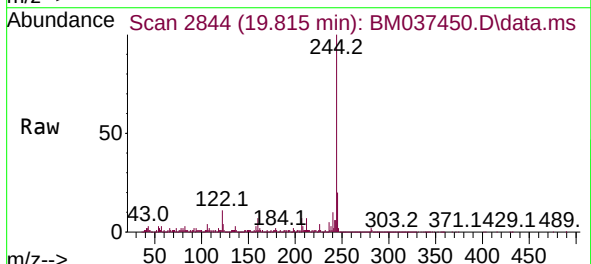
Tgt Ion:202 Resp: 1725032
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.6
203 17.8 14.1 21.1

Manual Integrations
APPROVED

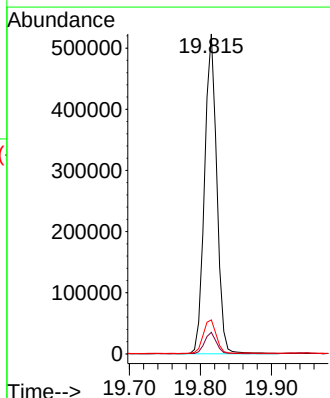
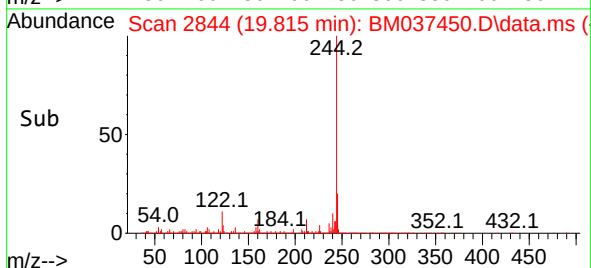
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022

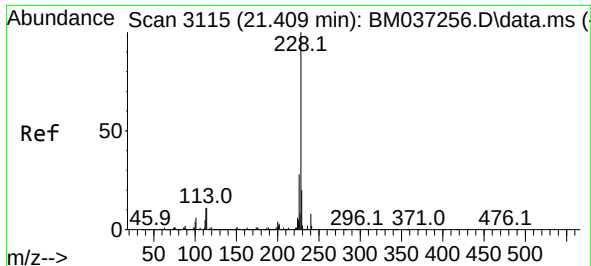


#79
Terphenyl-d14
Concen: 9.656 ng
RT: 19.815 min Scan# 2844
Delta R.T. -0.012 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20



Tgt Ion:244 Resp: 622052
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 10.6 9.4 14.2





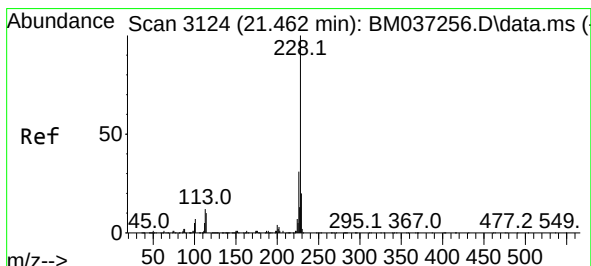
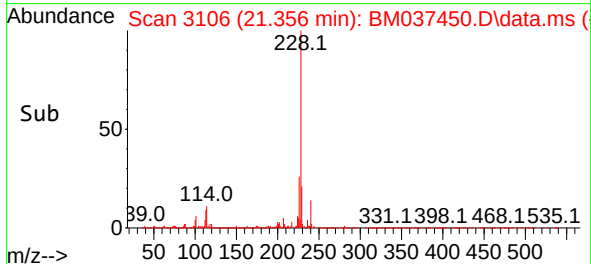
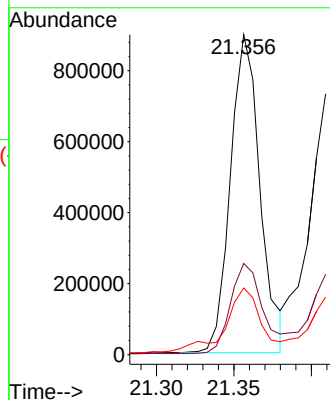
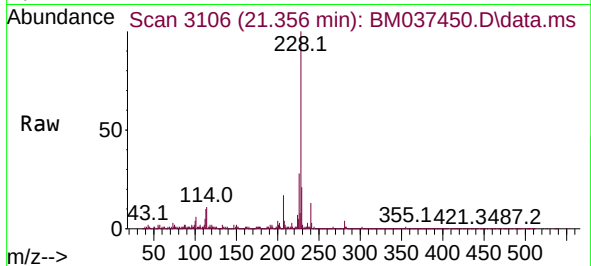
#81
Benzo(a)anthracene
Concen: 14.526 ng
RT: 21.356 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

Instrument :
BNA_M
ClientSampleId :
PL-05-110722DL

Tgt Ion:228 Resp: 1194773
Ion Ratio Lower Upper
228 100
226 28.5 22.3 33.5
229 20.8 16.2 24.2

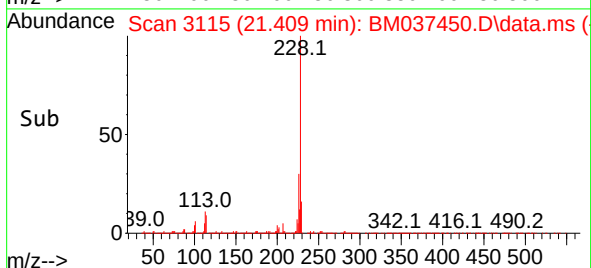
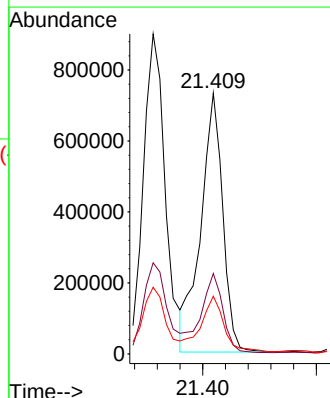
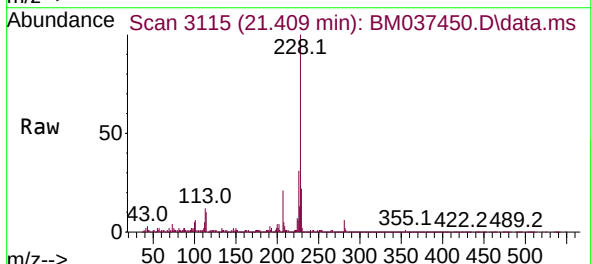
Manual Integrations
APPROVED

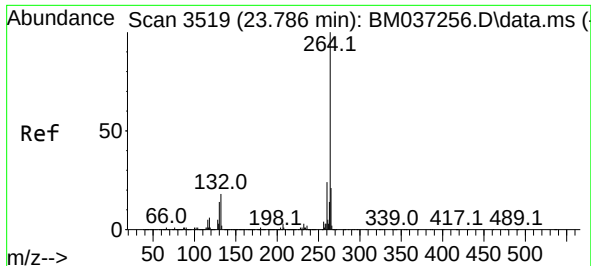
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#83
Chrysene
Concen: 12.430 ng
RT: 21.409 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

Tgt Ion:228 Resp: 984971
Ion Ratio Lower Upper
228 100
226 30.8 24.4 36.6
229 22.1 16.0 24.0





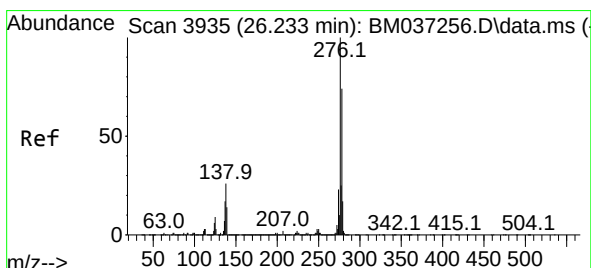
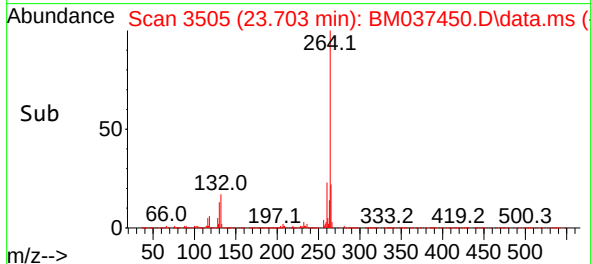
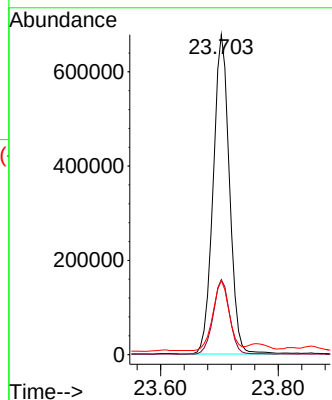
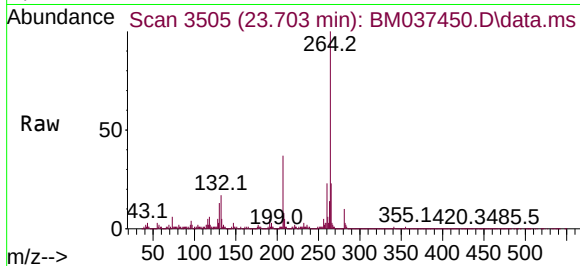
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.703 min Scan# 3505
Delta R.T. -0.006 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

Instrument :
BNA_M
ClientSampleId :
PL-05-110722DL

Tgt Ion:264 Resp: 1300090
Ion Ratio Lower Upper
264 100
260 23.4 18.9 28.3
265 23.1 17.7 26.5

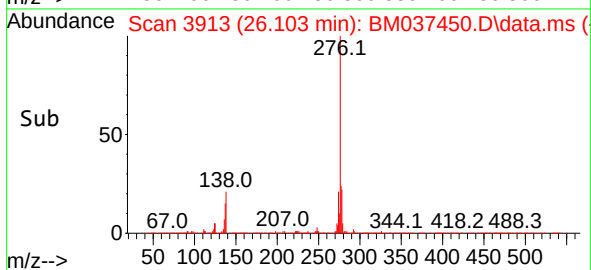
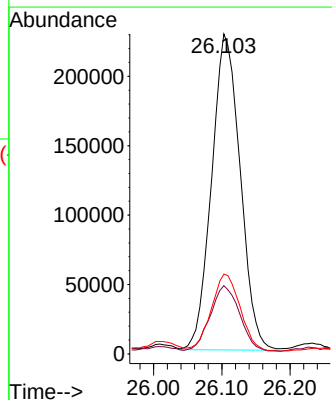
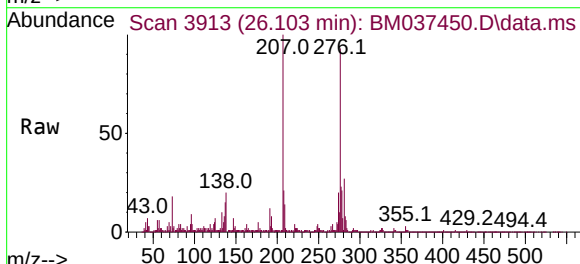
Manual Integrations
APPROVED

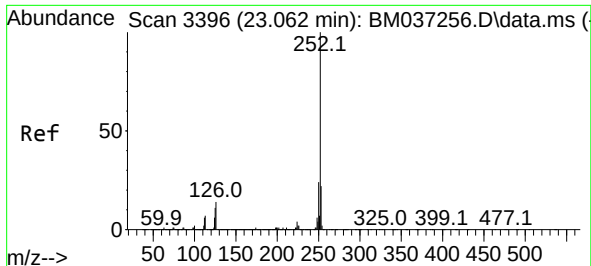
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.218 ng
RT: 26.103 min Scan# 3913
Delta R.T. -0.029 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

Tgt Ion:276 Resp: 661897
Ion Ratio Lower Upper
276 100
138 21.5 21.5 32.3#
277 24.8 20.1 30.1





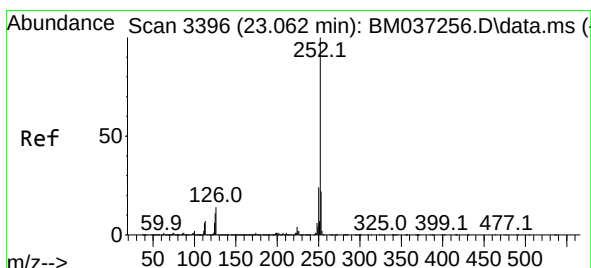
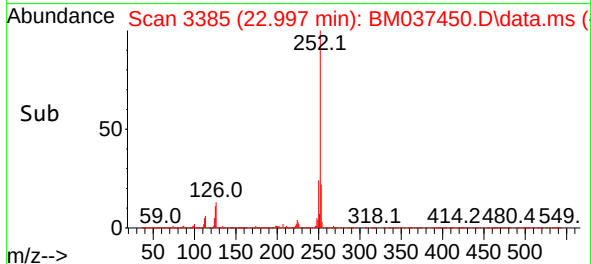
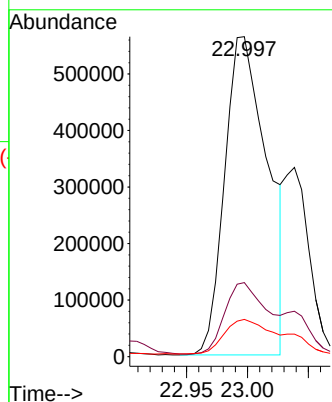
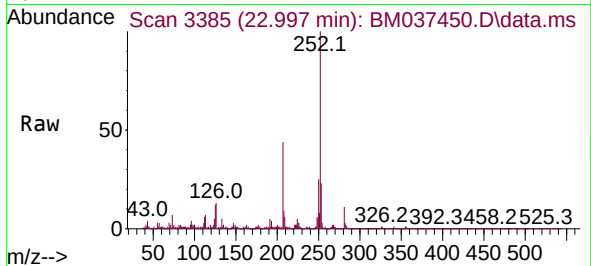
#88
Benzo(b)fluoranthene
Concen: 15.236 ng
RT: 22.997 min Scan# 3385
Delta R.T. -0.006 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

Instrument :
BNA_M
ClientSampleId :
PL-05-110722DL

Tgt Ion:252 Resp: 137515
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 11.6 9.1 13.7

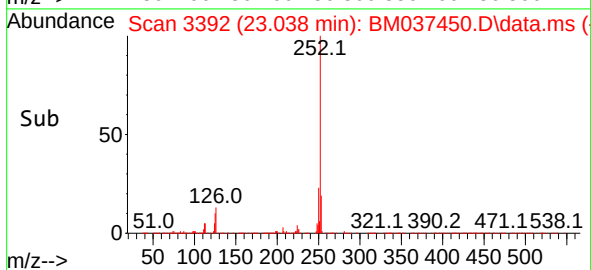
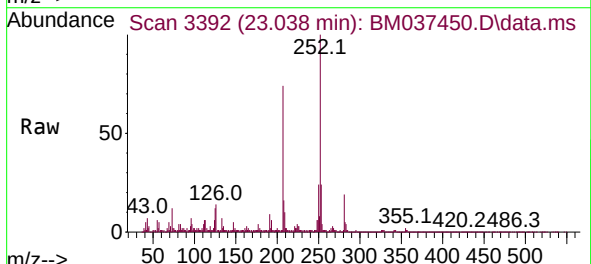
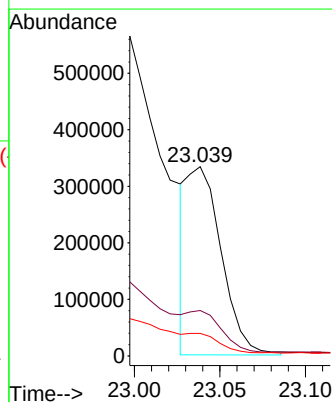
Manual Integrations
APPROVED

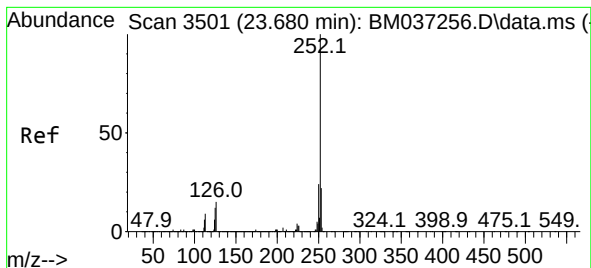
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#89
Benzo(k)fluoranthene
Concen: 5.033 ng m
RT: 23.038 min Scan# 3392
Delta R.T. -0.012 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

Tgt Ion:252 Resp: 463395
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.6
125 11.9 9.1 13.7





#90

Benzo(a)pyrene

Concen: 14.327 ng

RT: 23.597 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM037450.D

Acq: 10 Nov 2022 14:20

Instrument :

BNA_M

ClientSampleId :

PL-05-110722DL

Tgt Ion:252 Resp: 105365

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

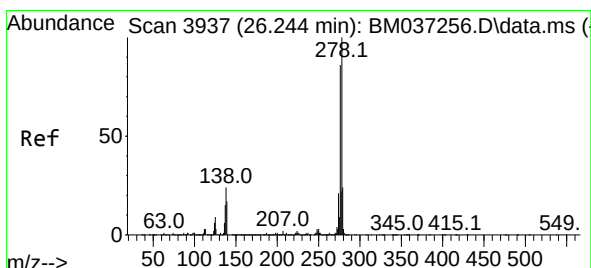
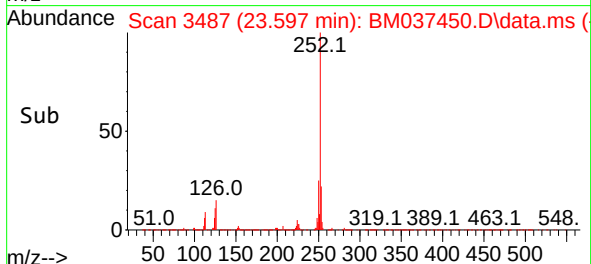
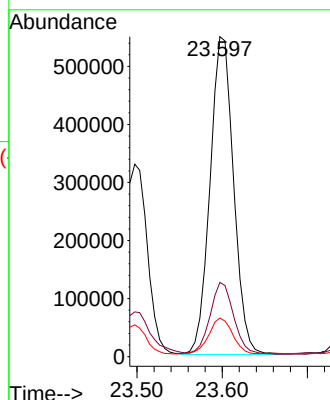
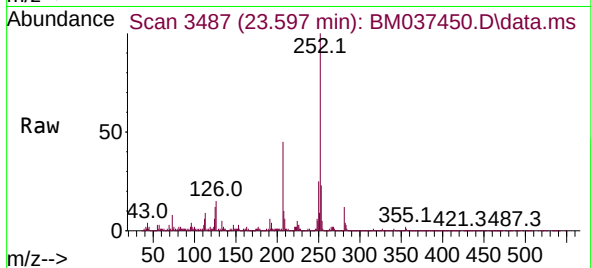
125 12.1 9.9 14.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/11/2022

Supervised By :Jagrut Upadhyay 11/11/2022



#91

Dibenzo(a,h)anthracene

Concen: 2.132 ng m

RT: 26.109 min Scan# 3914

Delta R.T. -0.035 min

Lab File: BM037450.D

Acq: 10 Nov 2022 14:20

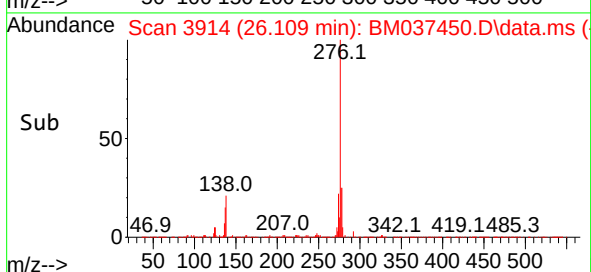
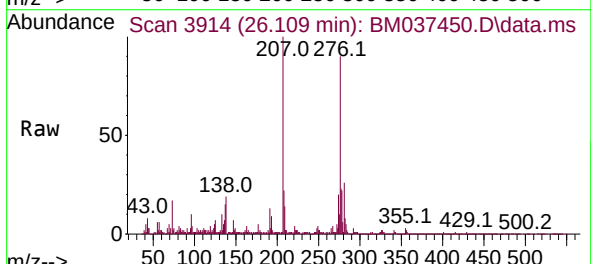
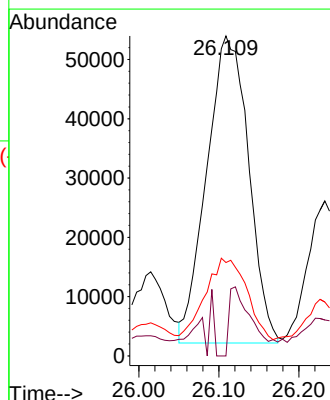
Tgt Ion:278 Resp: 188448

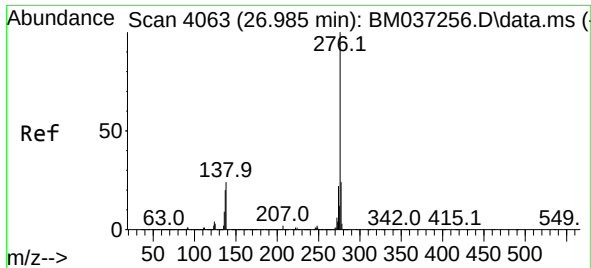
Ion Ratio Lower Upper

278 100

139 0.0 13.8 20.8#

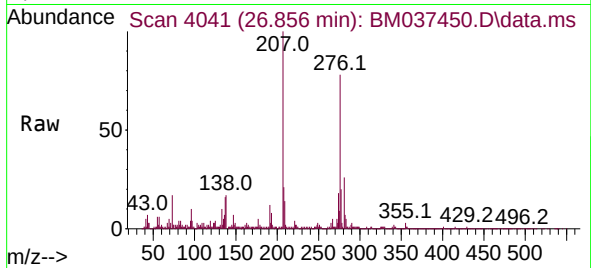
279 29.2 19.0 28.6#





#92
 Benzo(g,h,i)perylene
 Concen: 7.235 ng
 RT: 26.856 min Scan# 4063
 Delta R.T. -0.024 min
 Lab File: BM037450.D
 Acq: 10 Nov 2022 14:20

Instrument :
 BNA_M
 ClientSampleId :
 PL-05-110722DL



Tgt Ion: 276 Resp: 622432
 Ion Ratio Lower Upper
 276 100
 277 25.4 19.4 29.2
 138 21.7 18.9 28.3

Manual Integrations
 APPROVED

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

