

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022023\
 Data File : BM038800.D
 Acq On : 20 Feb 2023 23:19
 Operator : CG/JU
 Sample : 01593-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-13-SB01

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/21/2023
 Supervised By : Jagrut Upadhyay 02/21/2023

Quant Time: Feb 21 02:11:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 21 02:04:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.875	152	47793	20.000	ng	0.00
21) Naphthalene-d8	10.686	136	172466	20.000	ng	0.00
39) Acenaphthene-d10	14.527	164	103565	20.000	ng	-0.01
64) Phenanthrene-d10	17.280	188	204825	20.000	ng	# 0.00
76) Chrysene-d12	21.462	240	196696	20.000	ng	0.00
86) Perylene-d12	23.839	264	245645	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	231508	94.889	ng	0.00
7) Phenol-d6	7.051	99	286856	103.088	ng	0.00
23) Nitrobenzene-d5	9.051	82	200946	66.180	ng	0.00
42) 2,4,6-Tribromophenol	16.021	330	122832	87.259	ng	-0.01
45) 2-Fluorobiphenyl	13.151	172	499310	61.379	ng	0.00
79) Terphenyl-d14	19.904	244	696495	62.487	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.257	152	46992	4.622	ng	99
71) Phenanthrene	17.321	178	110494	9.085	ng	98
72) Anthracene	17.410	178	38089	3.061	ng	100
75) Fluoranthene	19.339	202	191924	15.030	ng	97
78) Pyrene	19.704	202	223085	14.731	ng	99
81) Benzo(a)anthracene	21.445	228	106664	7.666	ng	96
83) Chrysene	21.498	228	118373	8.830	ng	98
87) Indeno(1,2,3-cd)pyrene	26.309	276	77187	3.989	ng	97
88) Benzo(b)fluoranthene	23.115	252	150770	10.247	ng	# 98
89) Benzo(k)fluoranthene	23.156	252	42565m	2.849	ng	
90) Benzo(a)pyrene	23.733	252	90179	6.198	ng	95
92) Benzo(g,h,i)perylene	27.074	276	71192	4.326	ng	97

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

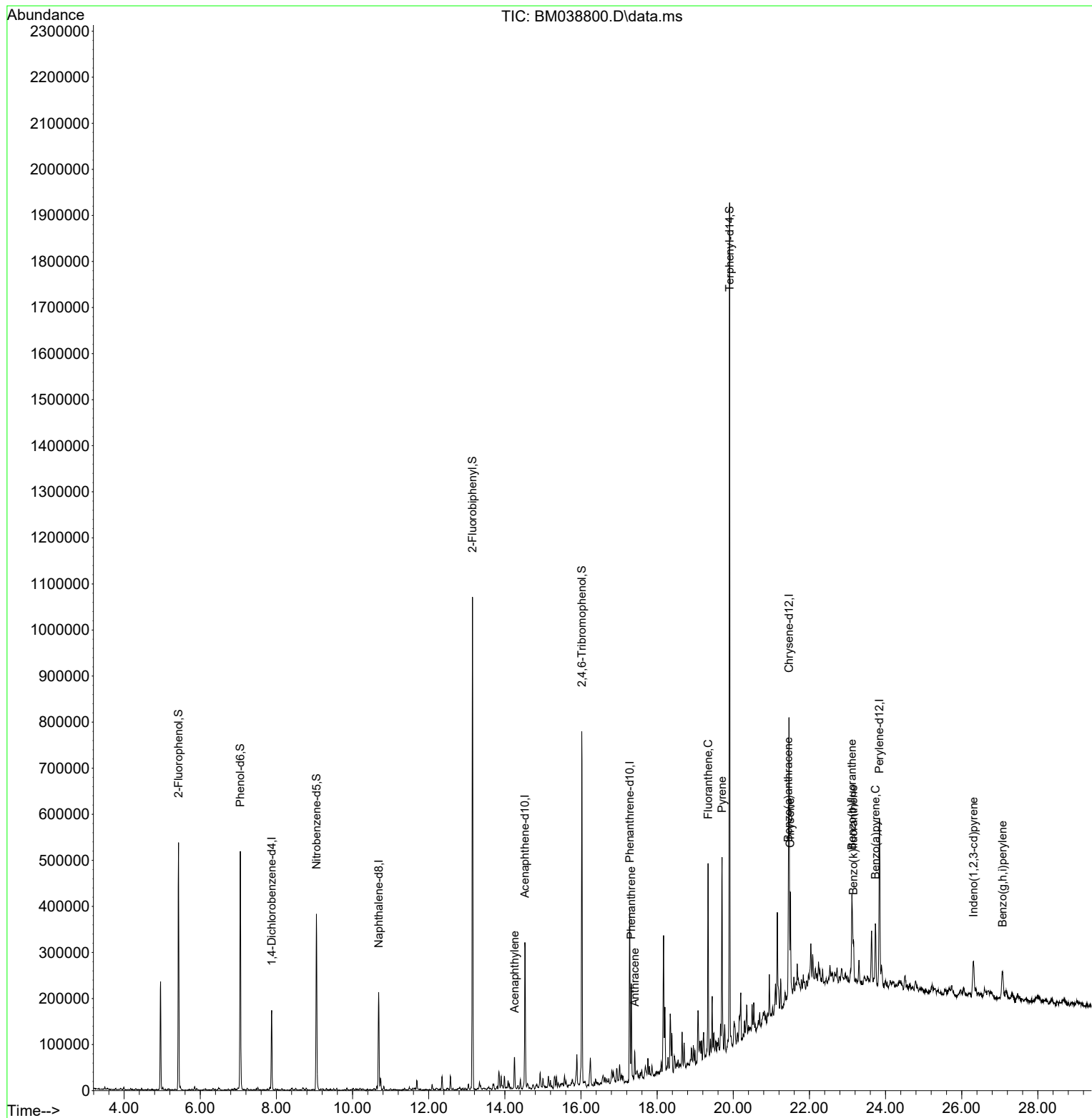
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022023\
Data File : BM038800.D
Acq On : 20 Feb 2023 23:19
Operator : CG/JU
Sample : 01593-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

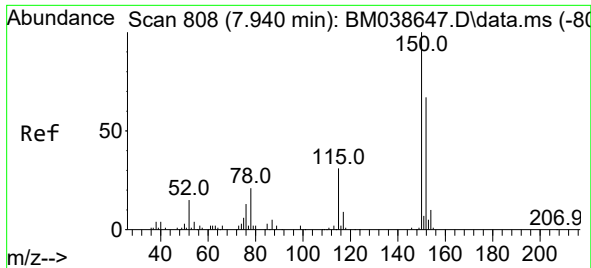
Instrument :
BNA_M
ClientSampleId :
B-13-SB01

Quant Time: Feb 21 02:11:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 21 02:04:34 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

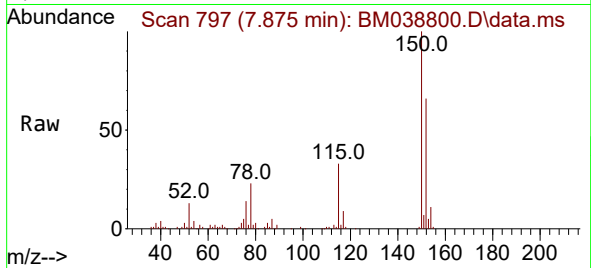
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.875 min Scan# 70
Delta R.T. -0.006 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

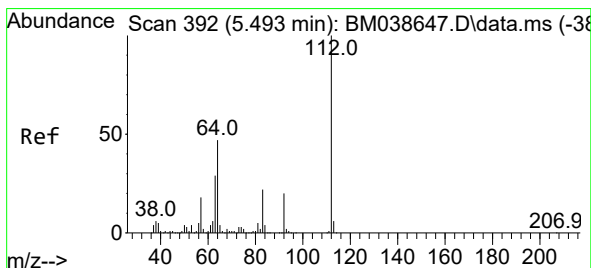
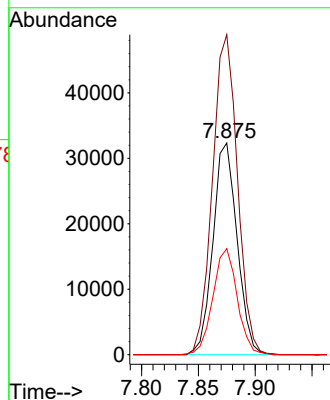
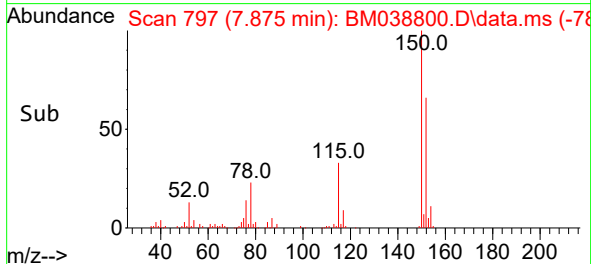
Instrument :
BNA_M
ClientSampleId :
B-13-SB01



Tgt Ion:152 Resp: 4779
Ion Ratio Lower Upper
152 100
150 151.1 119.5 179.3
115 50.1 37.6 56.4

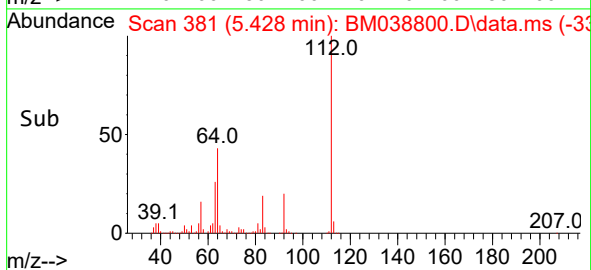
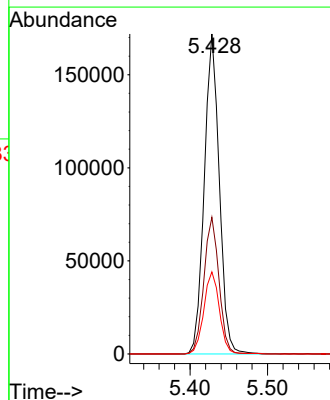
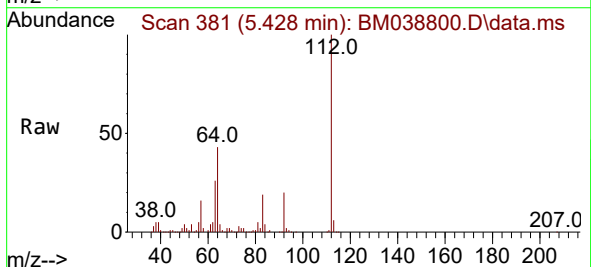
Manual Integrations
APPROVED

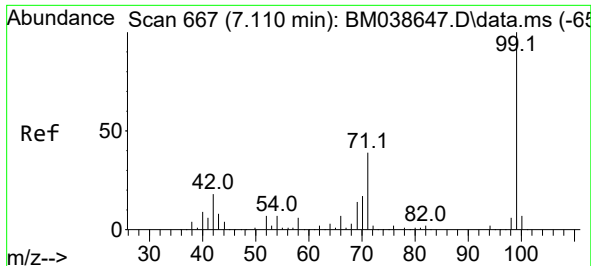
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#5
2-Fluorophenol
Concen: 94.889 ng
RT: 5.428 min Scan# 381
Delta R.T. -0.006 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

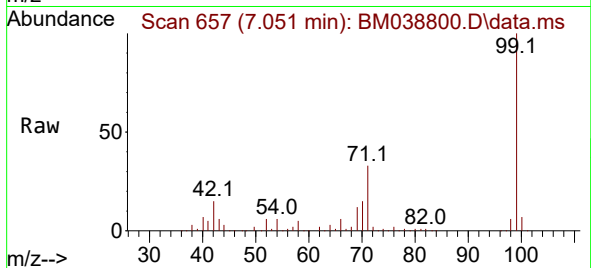
Tgt Ion:112 Resp: 231508
Ion Ratio Lower Upper
112 100
64 42.7 37.9 56.9
63 25.6 23.3 34.9





#7
Phenol-d6
Concen: 103.088 ng
RT: 7.051 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

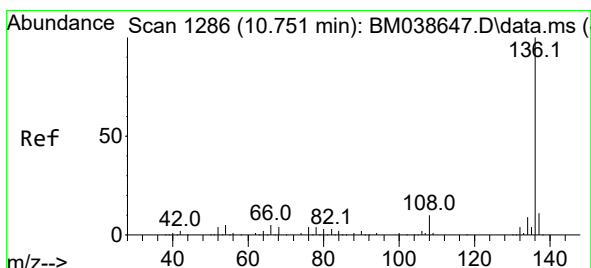
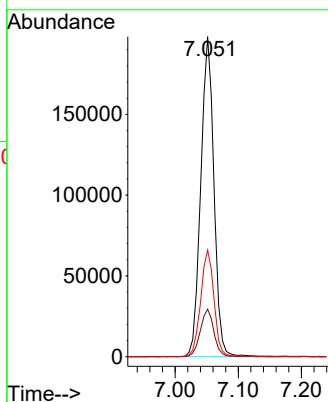
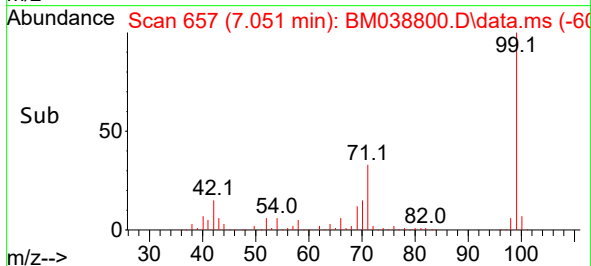
Instrument :
BNA_M
ClientSampleId :
B-13-SB01



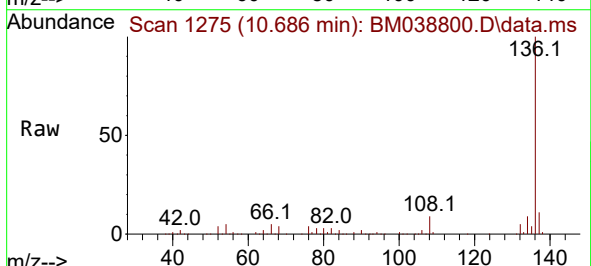
Tgt Ion: 99 Resp: 286850
Ion Ratio Lower Upper
99 100
42 14.9 14.6 22.0
71 33.3 31.0 46.4

Manual Integrations
APPROVED

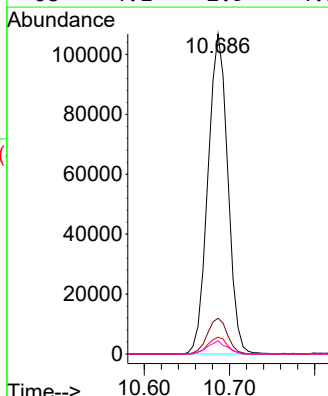
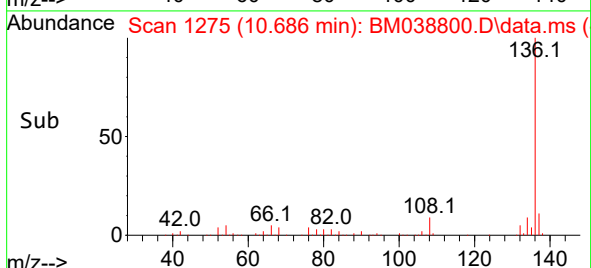
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023

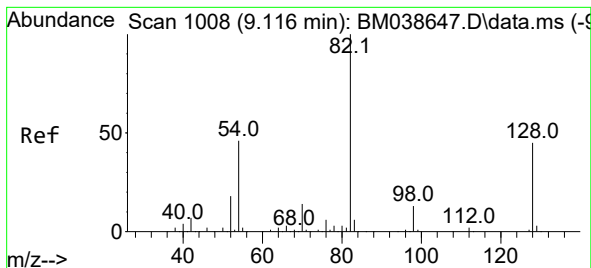


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.686 min Scan# 1275
Delta R.T. -0.006 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19



Tgt Ion:136 Resp: 172466
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 5.3 4.2 6.4
68 4.1 2.9 4.3





#23

Nitrobenzene-d5

Concen: 66.180 ng

RT: 9.051 min Scan# 90

Delta R.T. -0.006 min

Lab File: BM038800.D

Acq: 20 Feb 2023 23:19

Instrument :

BNA_M

ClientSampleId :

B-13-SB01

Tgt Ion: 82 Resp: 200940

Ion Ratio Lower Upper

82 100

128 48.5 36.0 54.0

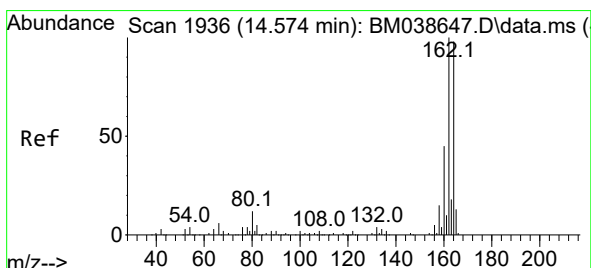
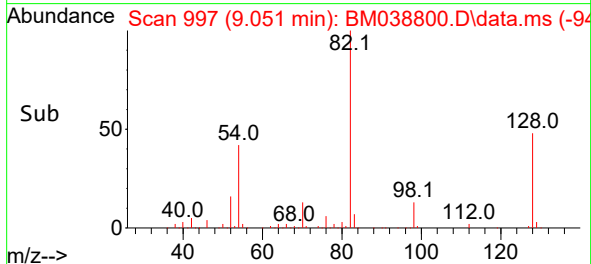
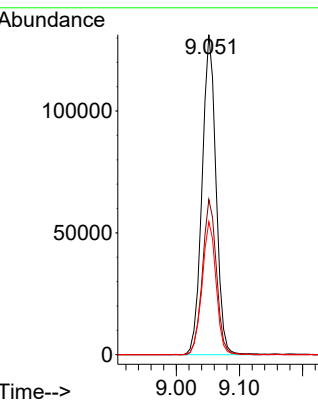
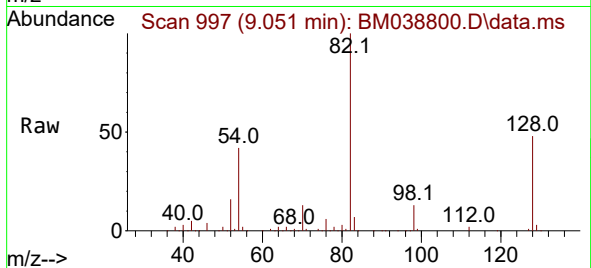
54 41.5 36.8 55.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2023

Supervised By :Jagrut Upadhyay 02/21/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.527 min Scan# 1928

Delta R.T. -0.012 min

Lab File: BM038800.D

Acq: 20 Feb 2023 23:19

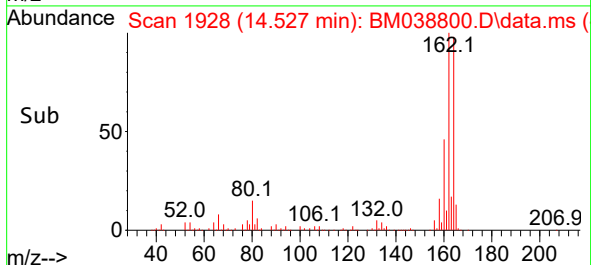
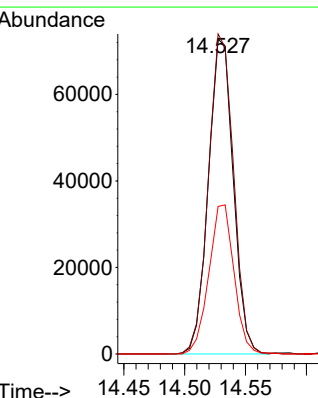
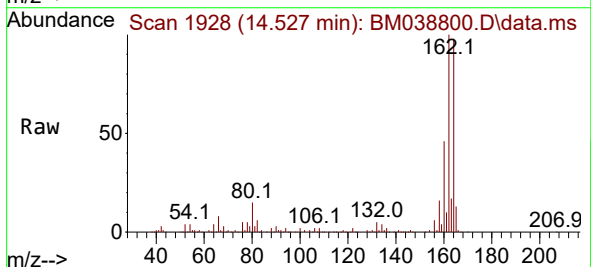
Tgt Ion:164 Resp: 103565

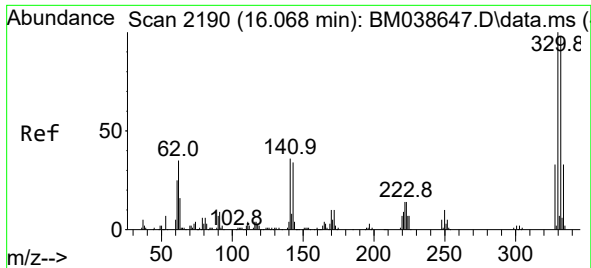
Ion Ratio Lower Upper

164 100

162 101.6 81.4 122.0

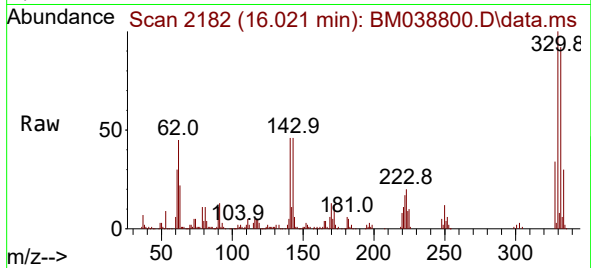
160 46.8 36.5 54.7





#42
2,4,6-Tribromophenol
Concen: 87.259 ng
RT: 16.021 min Scan# 2190
Delta R.T. -0.012 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

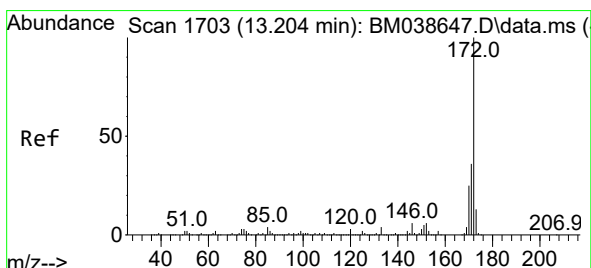
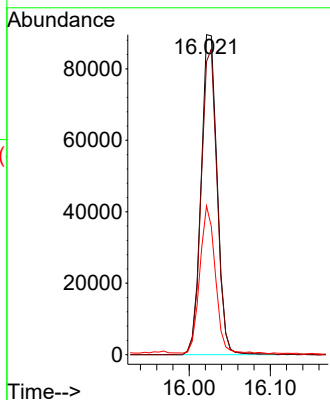
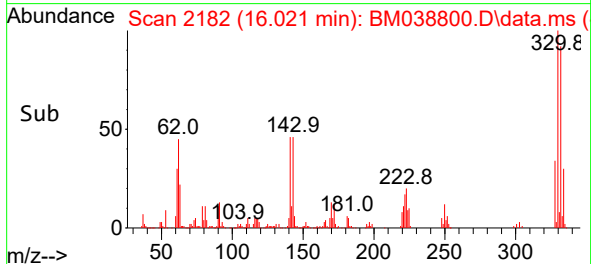
Instrument :
BNA_M
ClientSampleId :
B-13-SB01



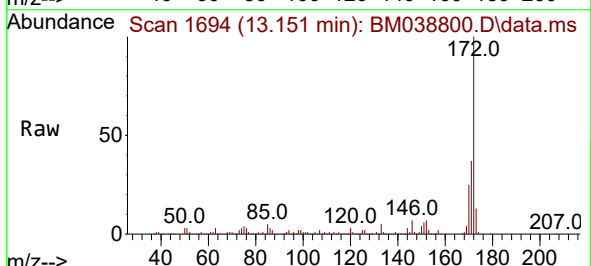
Tgt Ion:330 Resp: 122832
Ion Ratio Lower Upper
330 100
332 94.6 77.8 116.6
141 45.1 31.0 46.6

Manual Integrations
APPROVED

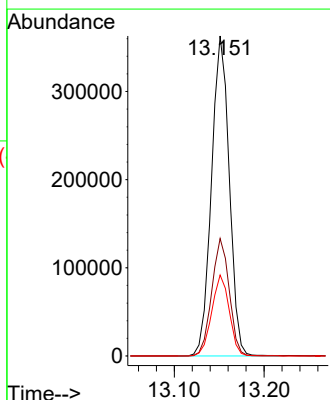
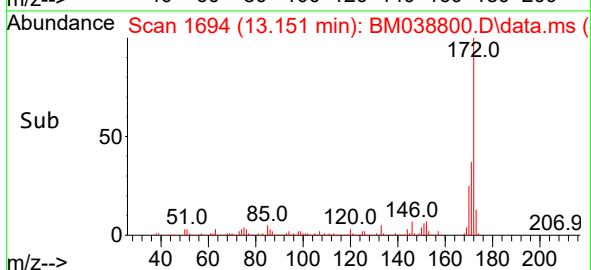
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023

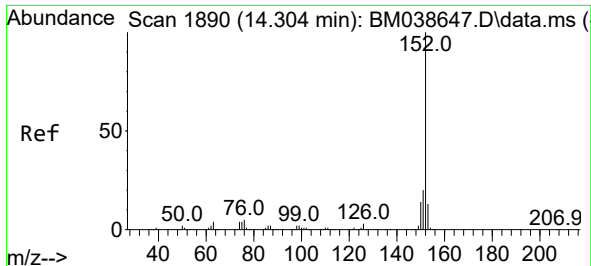


#45
2-Fluorobiphenyl
Concen: 61.379 ng
RT: 13.151 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19



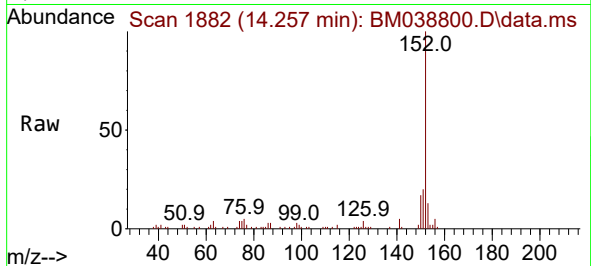
Tgt Ion:172 Resp: 499310
Ion Ratio Lower Upper
172 100
171 36.7 28.7 43.1
170 25.3 20.0 30.0





#49
Acenaphthylene
Concen: 4.622 ng
RT: 14.257 min Scan# 1882
Delta R.T. -0.006 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

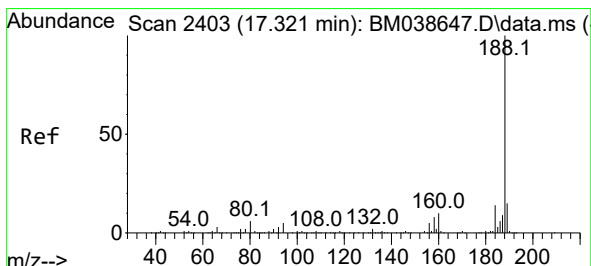
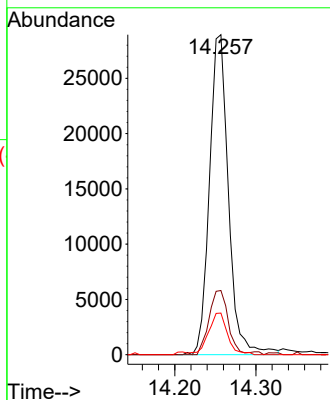
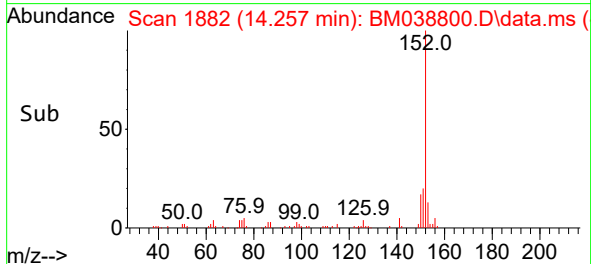
Instrument :
BNA_M
ClientSampleId :
B-13-SB01



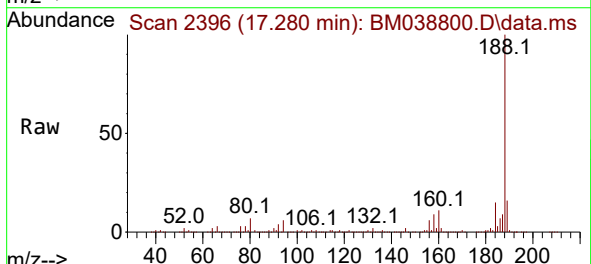
Tgt Ion:152 Resp: 46992
Ion Ratio Lower Upper
152 100
151 20.0 16.1 24.1
153 13.0 10.0 15.0

Manual Integrations
APPROVED

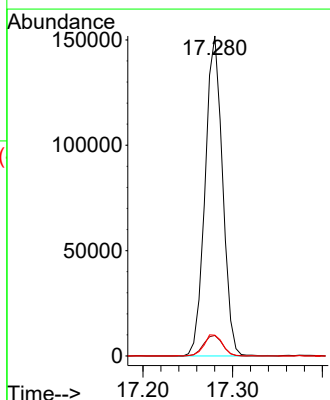
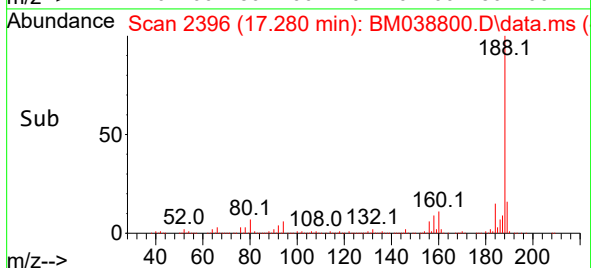
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023

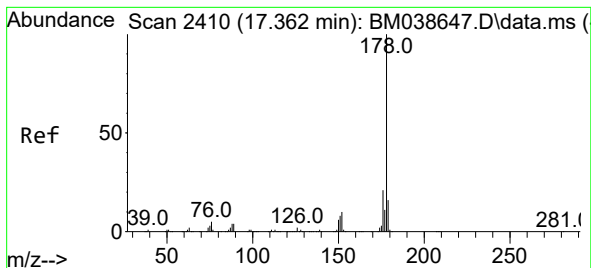


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.280 min Scan# 2396
Delta R.T. -0.006 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19



Tgt Ion:188 Resp: 204825
Ion Ratio Lower Upper
188 100
94 6.4 4.2 6.4#
80 6.5 4.6 7.0





#71

Phenanthrene

Concen: 9.085 ng

RT: 17.321 min Scan# 2410

Delta R.T. -0.006 min

Lab File: BM038800.D

Acq: 20 Feb 2023 23:19

Instrument :

BNA_M

ClientSampleId :

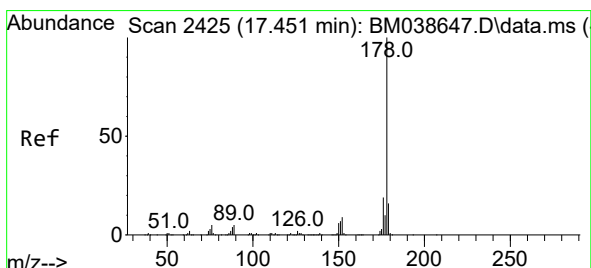
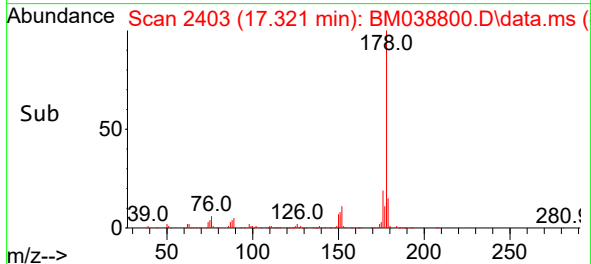
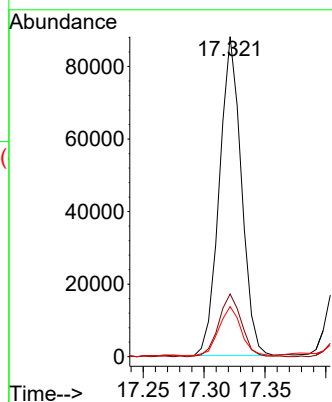
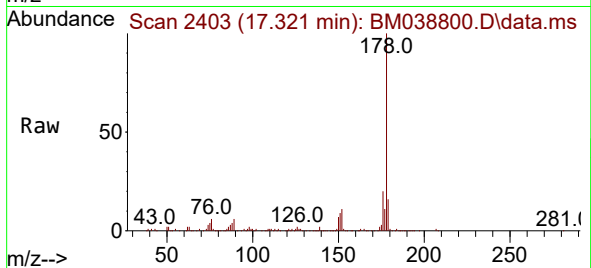
B-13-SB01

Tgt Ion:178 Resp: 110494
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.7 25.1
 179 15.7 12.5 18.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2023
 Supervised By :Jagrut Upadhyay 02/21/2023



#72

Anthracene

Concen: 3.061 ng

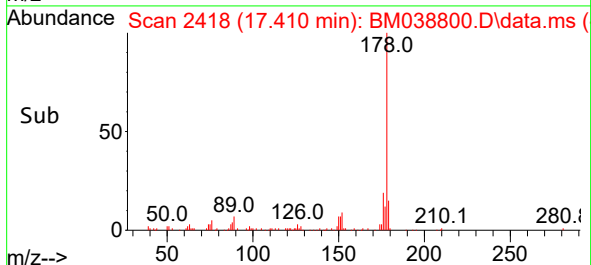
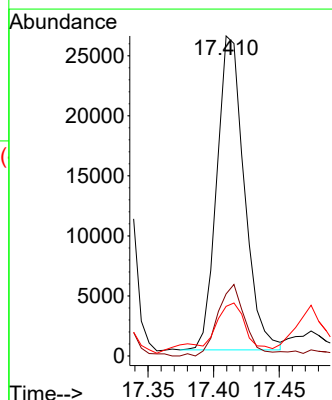
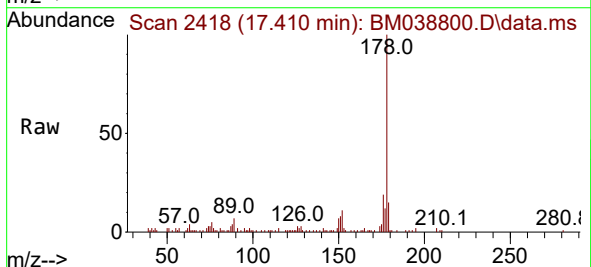
RT: 17.410 min Scan# 2418

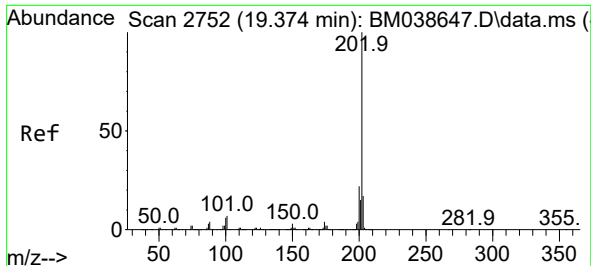
Delta R.T. -0.012 min

Lab File: BM038800.D

Acq: 20 Feb 2023 23:19

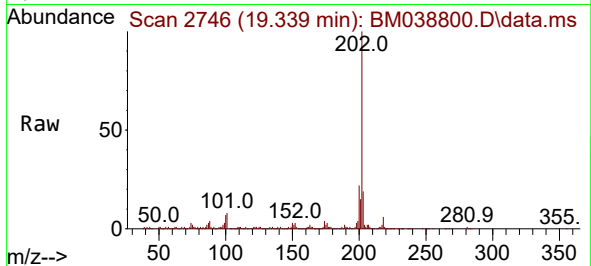
Tgt Ion:178 Resp: 38089
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.6 23.4
 179 15.5 12.4 18.6





#75
Fluoranthene
Concen: 15.030 ng
RT: 19.339 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

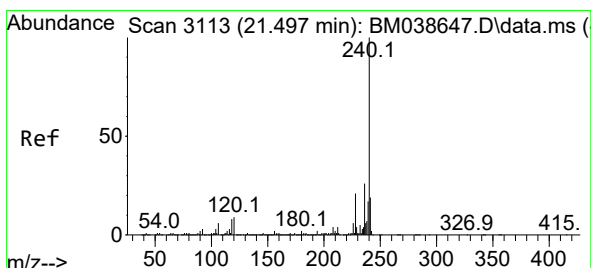
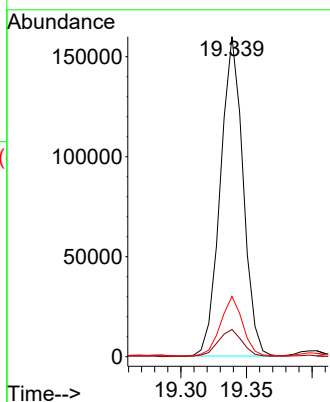
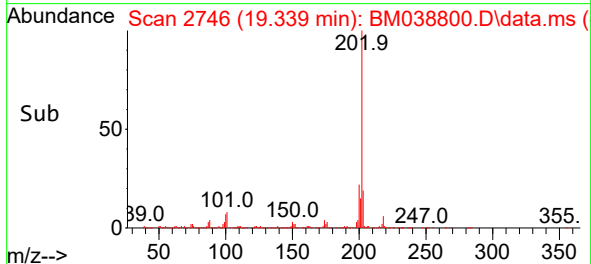
Instrument :
BNA_M
ClientSampleId :
B-13-SB01



Tgt Ion:202 Resp: 191924
Ion Ratio Lower Upper
202 100
101 8.5 0.0 27.4
203 18.9 0.0 37.3

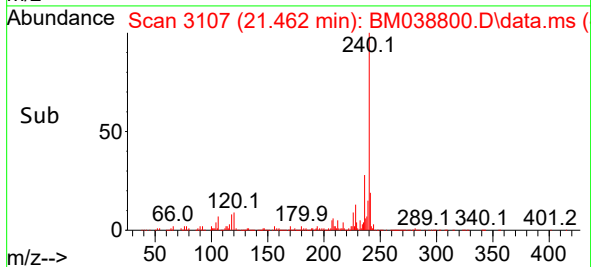
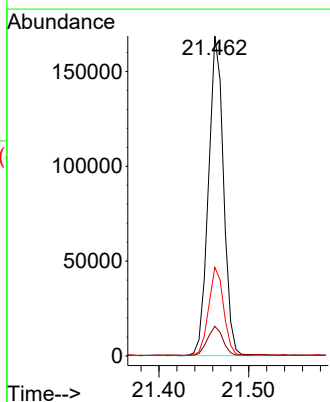
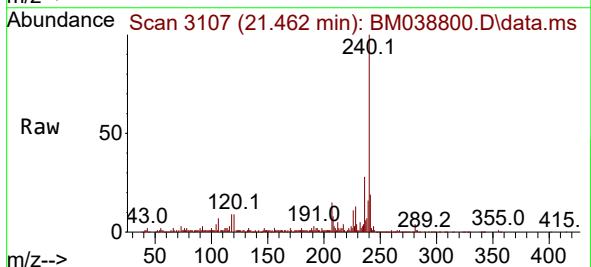
Manual Integrations
APPROVED

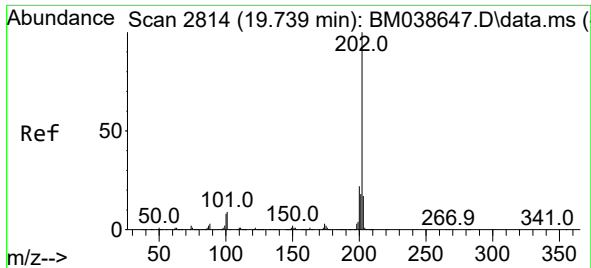
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.462 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

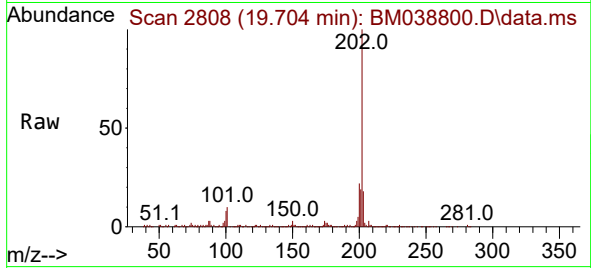
Tgt Ion:240 Resp: 196696
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.4
236 27.7 20.9 31.3





#78
Pyrene
Concen: 14.731 ng
RT: 19.704 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

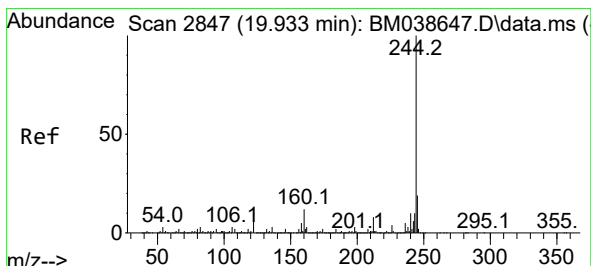
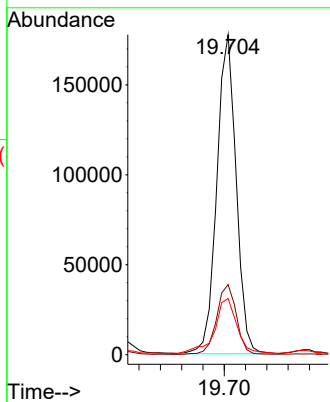
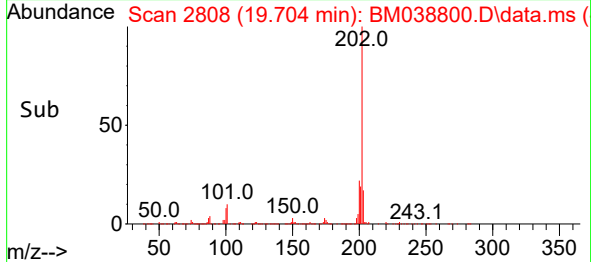
Instrument :
BNA_M
ClientSampleId :
B-13-SB01



Tgt Ion:202 Resp: 223085
Ion Ratio Lower Upper
202 100
200 21.9 17.8 26.6
203 17.6 13.5 20.3

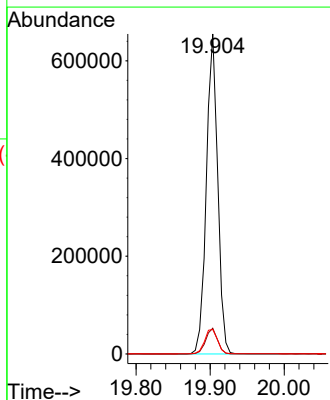
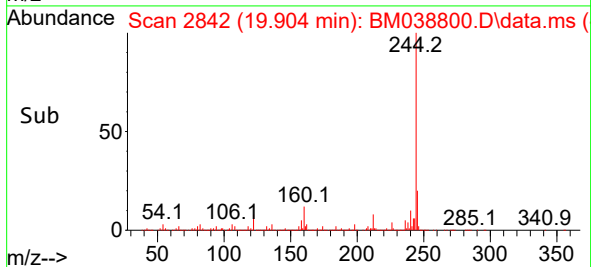
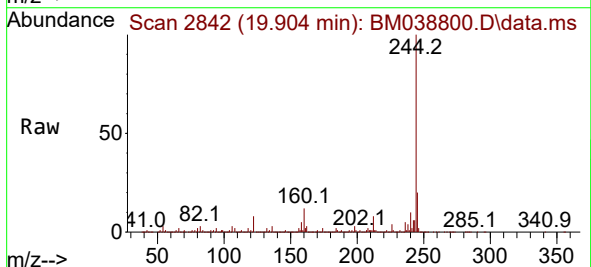
Manual Integrations
APPROVED

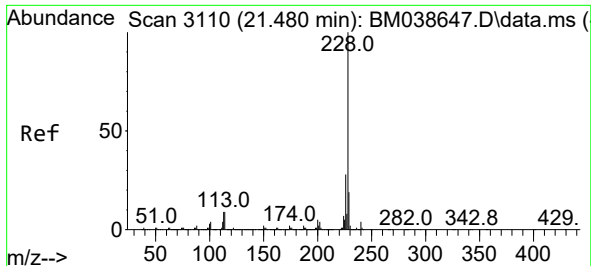
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#79
Terphenyl-d14
Concen: 62.487 ng
RT: 19.904 min Scan# 2842
Delta R.T. -0.006 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

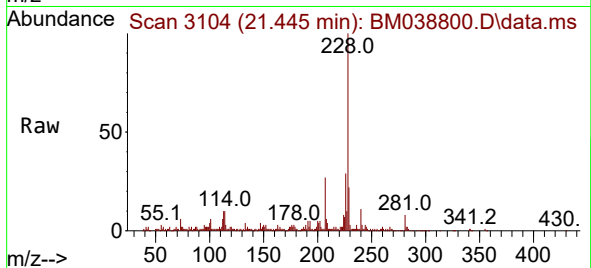
Tgt Ion:244 Resp: 696495
Ion Ratio Lower Upper
244 100
212 8.1 6.6 9.8
122 7.7 7.8 11.8#





#81
Benzo(a)anthracene
Concen: 7.666 ng
RT: 21.445 min Scan# 3110
Delta R.T. -0.012 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

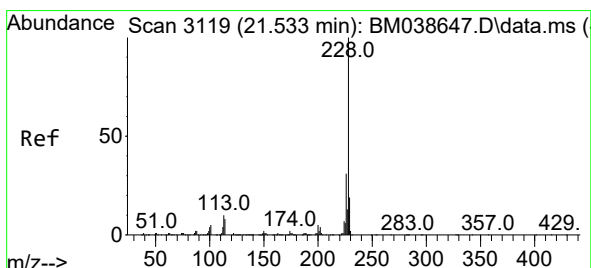
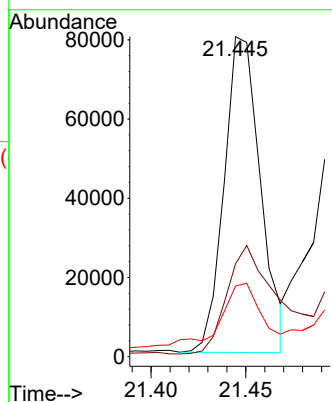
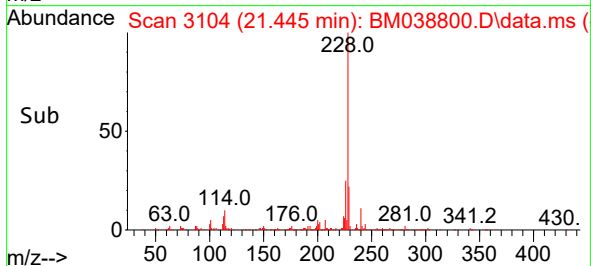
Instrument :
BNA_M
ClientSampleId :
B-13-SB01



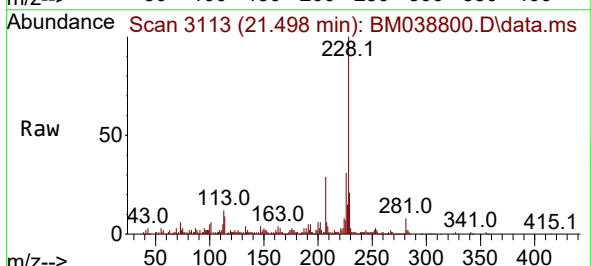
Tgt Ion:228 Resp: 106664
Ion Ratio Lower Upper
228 100
226 29.1 22.2 33.4
229 22.1 15.5 23.3

Manual Integrations
APPROVED

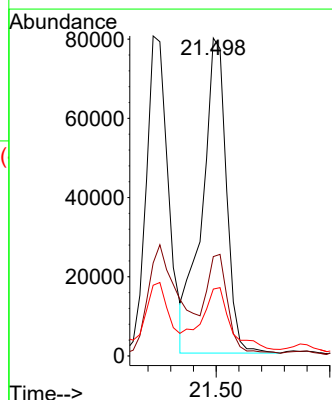
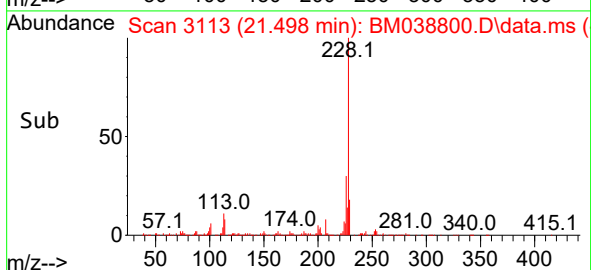
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023

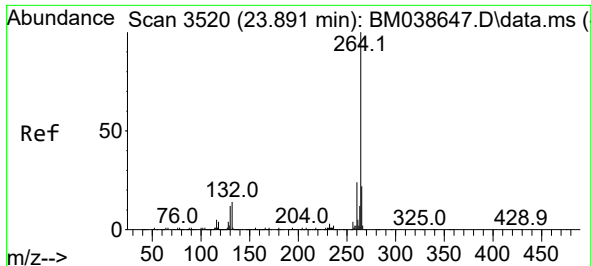


#83
Chrysene
Concen: 8.830 ng
RT: 21.498 min Scan# 3113
Delta R.T. -0.012 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19



Tgt Ion:228 Resp: 118373
Ion Ratio Lower Upper
228 100
226 31.3 24.7 37.1
229 21.1 15.5 23.3





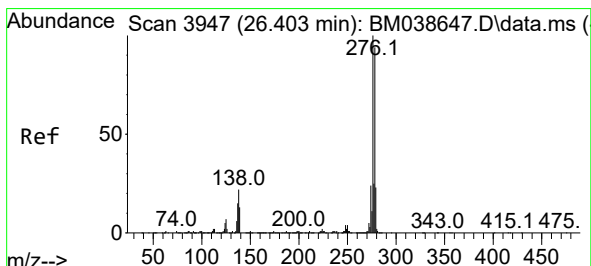
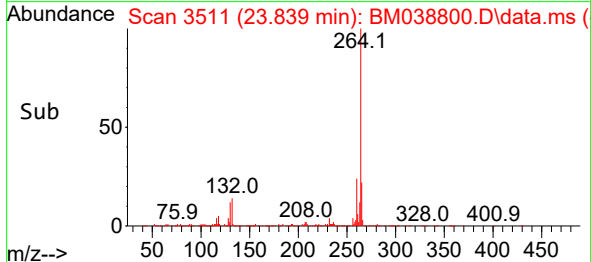
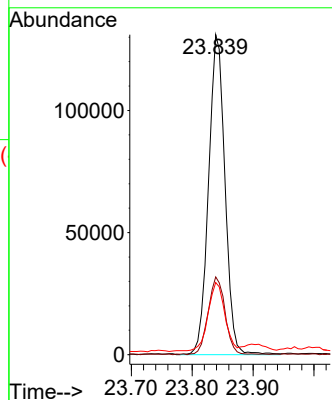
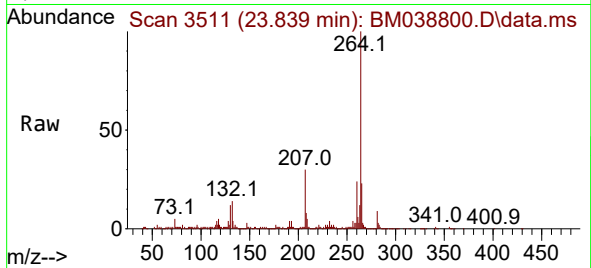
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.839 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

Instrument :
BNA_M
ClientSampleId :
B-13-SB01

Tgt Ion:264 Resp: 24564
Ion Ratio Lower Upper
264 100
260 24.3 19.6 29.4
265 22.5 17.9 26.9

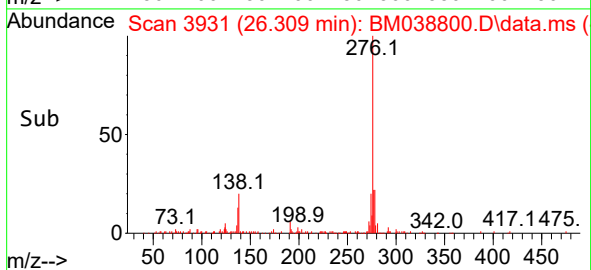
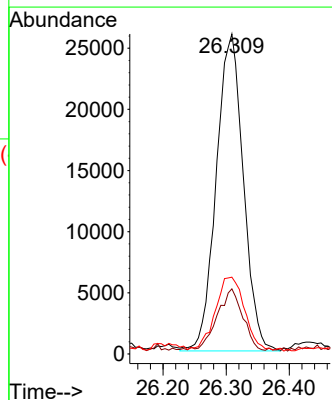
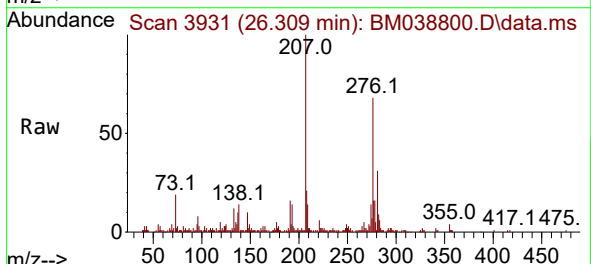
Manual Integrations
APPROVED

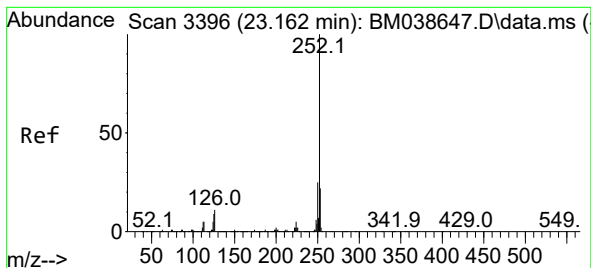
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.989 ng
RT: 26.309 min Scan# 3931
Delta R.T. -0.023 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

Tgt Ion:276 Resp: 77187
Ion Ratio Lower Upper
276 100
138 18.7 17.2 25.8
277 25.5 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 10.247 ng

RT: 23.115 min Scan# 3388

Delta R.T. -0.012 min

Lab File: BM038800.D

Acq: 20 Feb 2023 23:19

Instrument :

BNA_M

ClientSampleId :

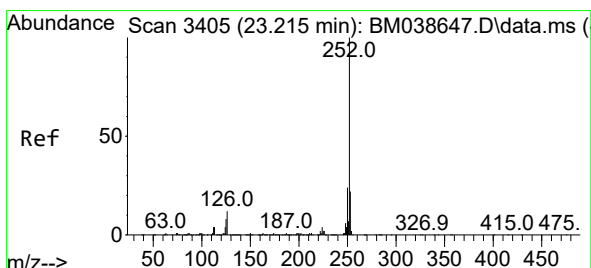
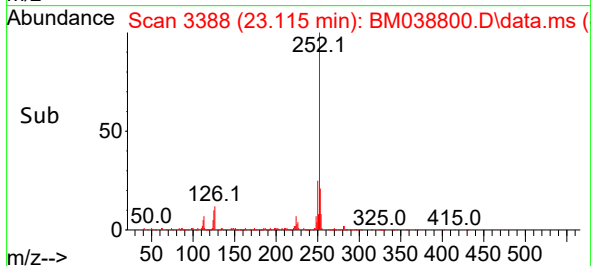
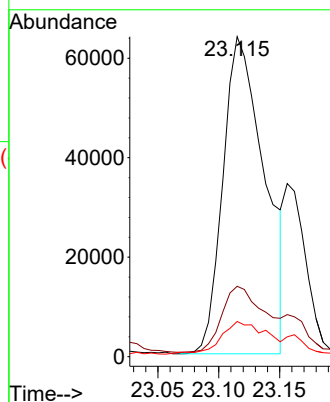
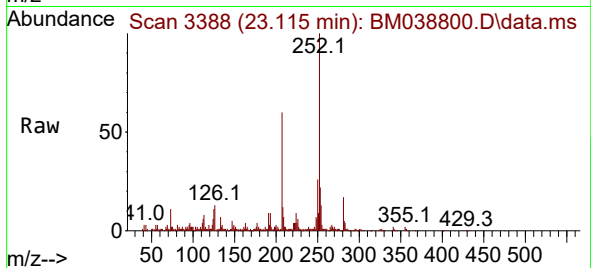
B-13-SB01

Tgt Ion:252 Resp: 150770
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.4 26.2
 125 11.0 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2023
 Supervised By :Jagrut Upadhyay 02/21/2023



#89

Benzo(k)fluoranthene

Concen: 2.849 ng m

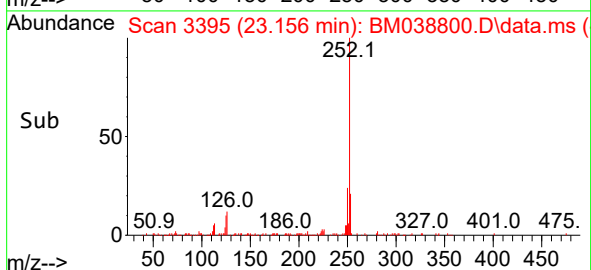
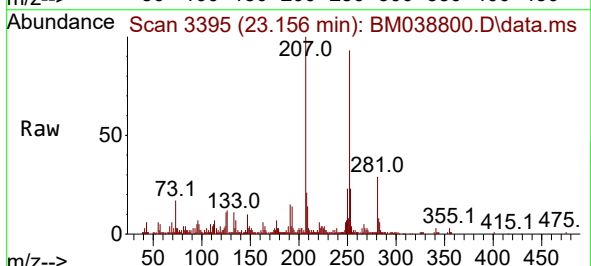
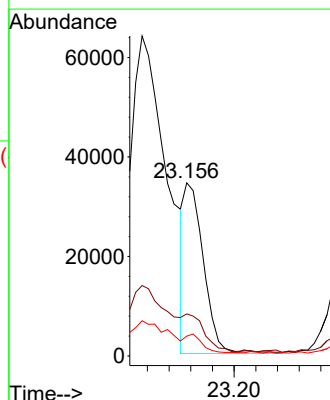
RT: 23.156 min Scan# 3395

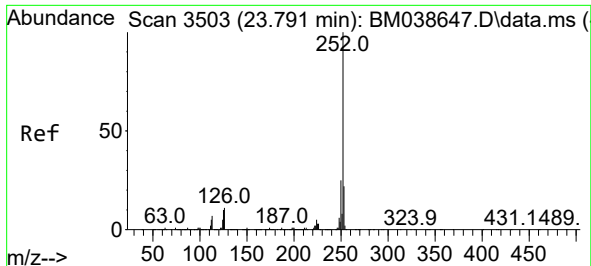
Delta R.T. -0.017 min

Lab File: BM038800.D

Acq: 20 Feb 2023 23:19

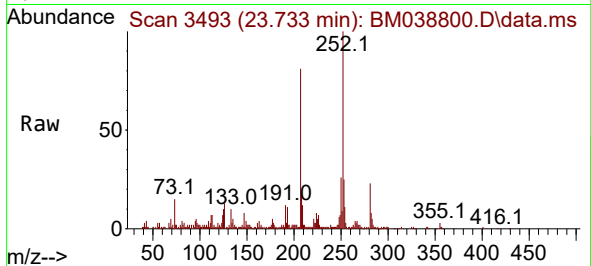
Tgt Ion:252 Resp: 42565
 Ion Ratio Lower Upper
 252 100
 253 24.3 17.4 26.0
 125 11.4 6.6 9.8





#90
Benzo(a)pyrene
Concen: 6.198 ng
RT: 23.733 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

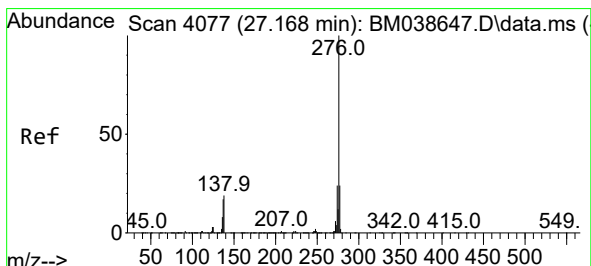
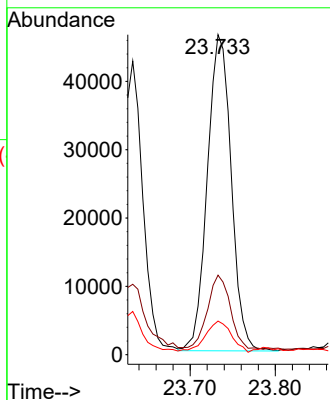
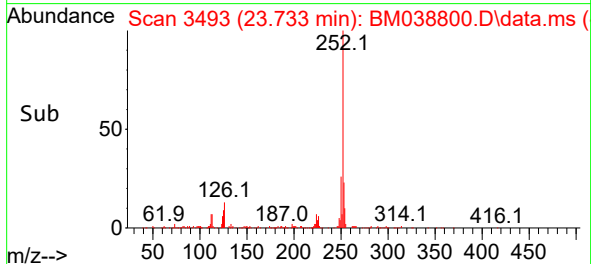
Instrument :
BNA_M
ClientSampleId :
B-13-SB01



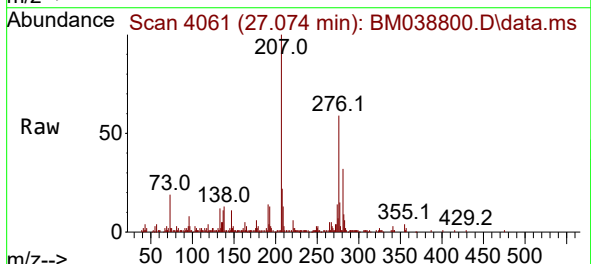
Tgt Ion:252 Resp: 90179
Ion Ratio Lower Upper
252 100
253 24.9 17.7 26.5
125 10.5 7.8 11.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#92
Benzo(g,h,i)perylene
Concen: 4.326 ng
RT: 27.074 min Scan# 4061
Delta R.T. -0.023 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19



Tgt Ion:276 Resp: 71192
Ion Ratio Lower Upper
276 100
277 25.0 19.1 28.7
138 21.4 15.3 22.9

