

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060222\
 Data File : BM035383.D
 Acq On : 03 Jun 2022 03:50
 Operator : CG/JU
 Sample : N2988-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P015-SS003-0006-01

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/03/2022
 Supervised By : Jagrut Upadhyay 06/03/2022

Quant Time: Jun 03 04:38:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 02 16:16:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	169810	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	611350	20.000	ng	#-0.01
39) Acenaphthene-d10	14.486	164	393675	20.000	ng	-0.01
64) Phenanthrene-d10	17.233	188	848506	20.000	ng	-0.01
76) Chrysene-d12	21.415	240	945864	20.000	ng	#-0.01
86) Perylene-d12	23.774	264	1049997	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	619758	76.692	ng	0.00
7) Phenol-d6	7.034	99	767531	69.532	ng	0.00
23) Nitrobenzene-d5	9.010	82	481806	50.042	ng	0.00
42) 2,4,6-Tribromophenol	15.980	330	371323	58.787	ng	-0.01
45) 2-Fluorobiphenyl	13.110	172	1383791	50.486	ng	-0.01
79) Terphenyl-d14	19.856	244	2338193	49.249	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	19.292	202	415051	8.006	ng	98
78) Pyrene	19.656	202	408312	7.119	ng	99
81) Benzo(a)anthracene	21.403	228	402480	6.931	ng	99
83) Chrysene	21.450	228	360739m	6.506	ng	
88) Benzo(b)fluoranthene	23.062	252	524226	8.668	ng	99
89) Benzo(k)fluoranthene	23.103	252	169857m	2.745	ng	
90) Benzo(a)pyrene	23.668	252	282651	5.489	ng	98
92) Benzo(g,h,i)perylene	26.962	276	166798	2.975	ng	94

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

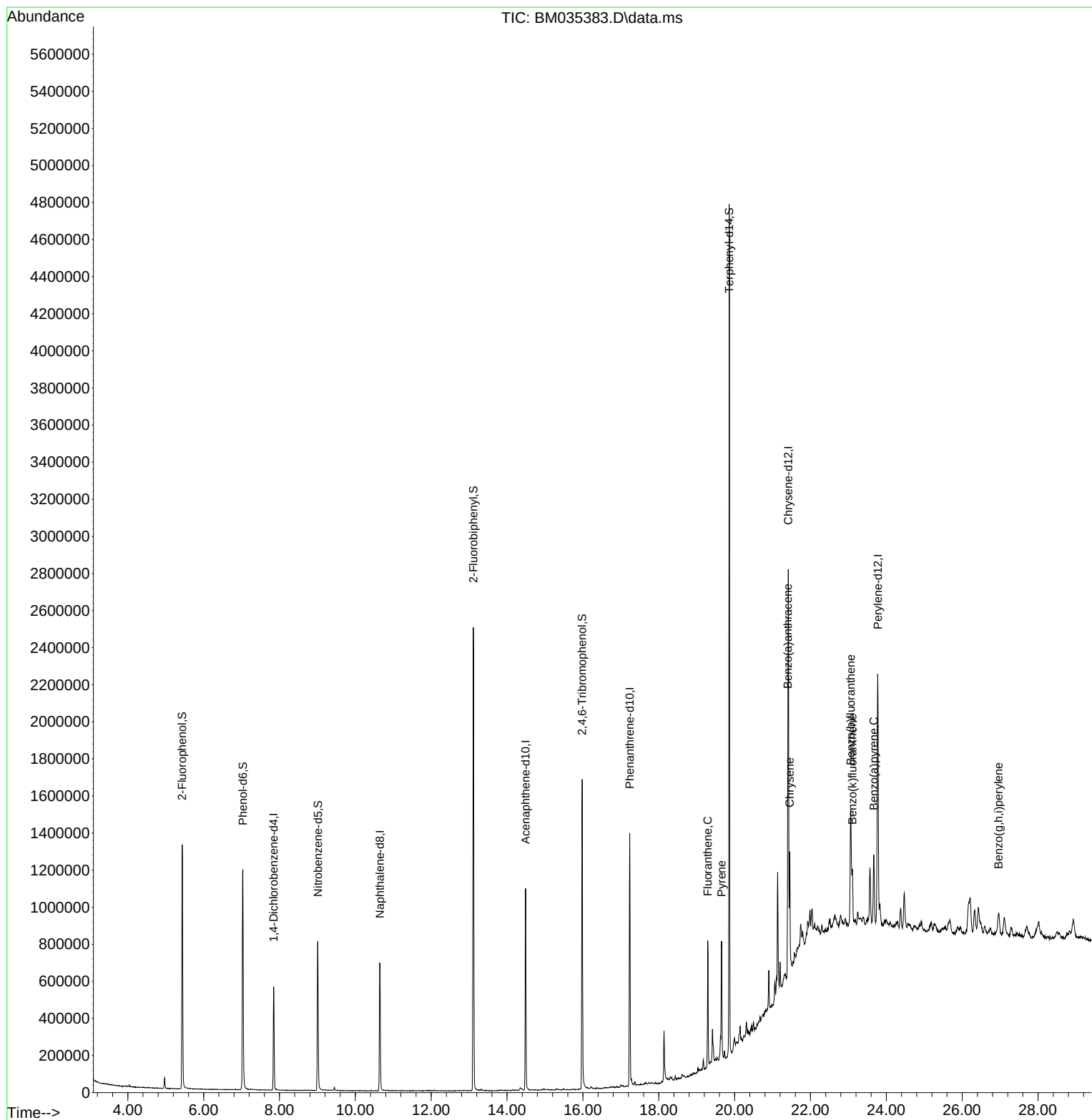
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060222\
Data File : BM035383.D
Acq On : 03 Jun 2022 03:50
Operator : CG/JU
Sample : N2988-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

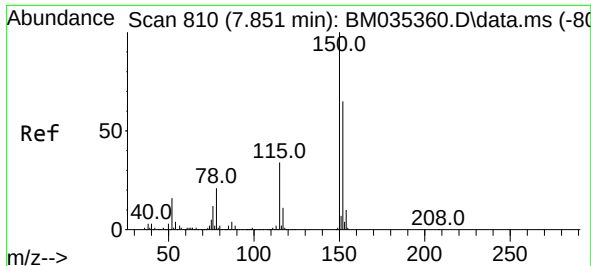
Instrument :
BNA_M
ClientSampleId :
P015-SS003-0006-01

Quant Time: Jun 03 04:38:45 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 02 16:16:23 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

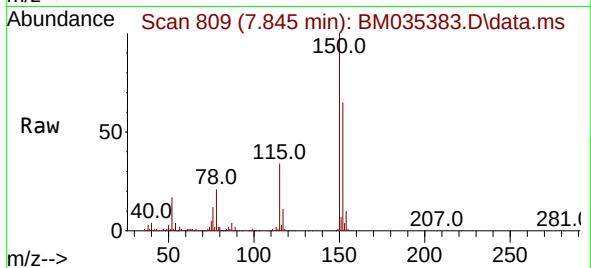
Reviewed By : Christian Giraldo 06/03/2022
Supervised By : Jagrut Upadhyay 06/03/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BM035383.D
Acq: 03 Jun 2022 03:50

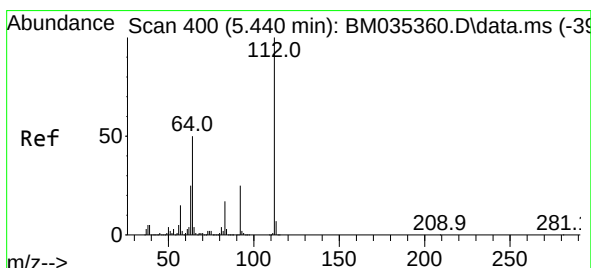
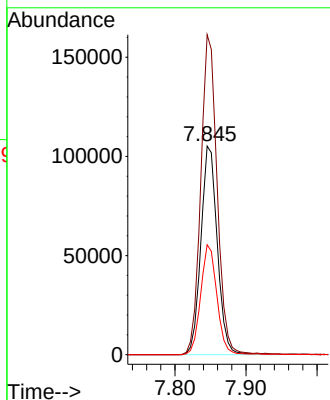
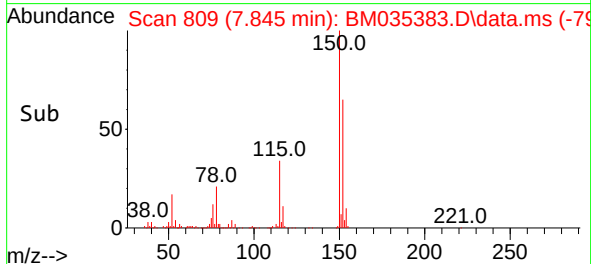
Instrument :
BNA_M
ClientSampleId :
P015-SS003-0006-01



Tgt Ion:152 Resp: 169810
Ion Ratio Lower Upper
152 100
150 153.3 124.9 187.3
115 52.7 47.9 71.9

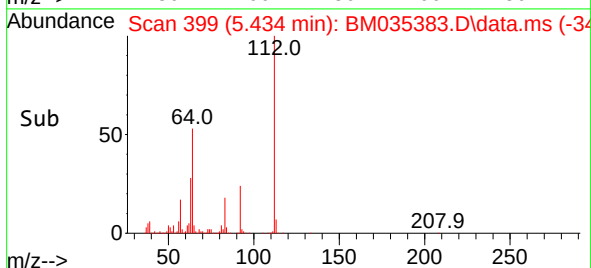
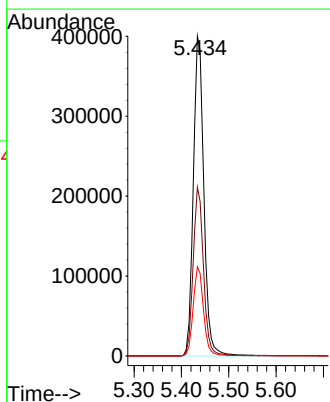
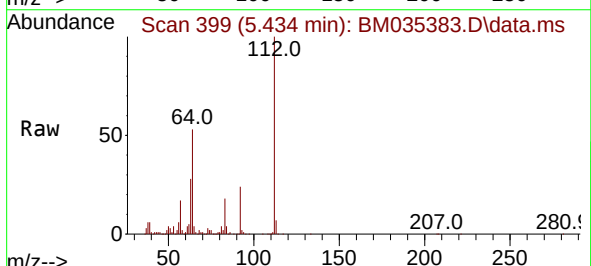
Manual Integrations
APPROVED

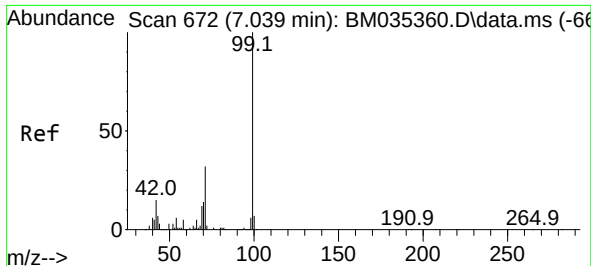
Reviewed By :Christian Giraldo 06/03/2022
Supervised By :Jagrut Upadhyay 06/03/2022



#5
2-Fluorophenol
Concen: 76.692 ng
RT: 5.434 min Scan# 399
Delta R.T. -0.006 min
Lab File: BM035383.D
Acq: 03 Jun 2022 03:50

Tgt Ion:112 Resp: 619758
Ion Ratio Lower Upper
112 100
64 52.8 47.8 71.6
63 27.9 26.6 40.0





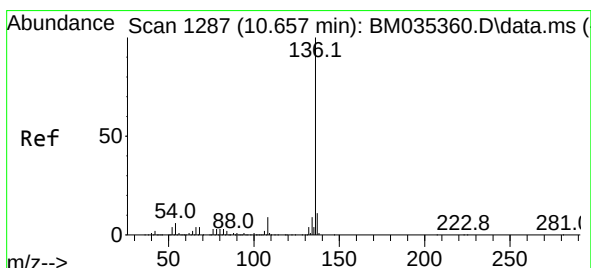
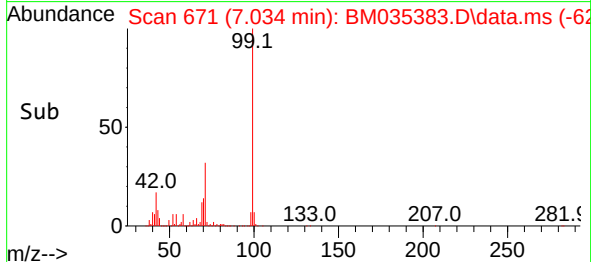
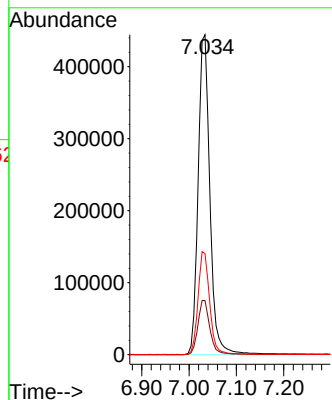
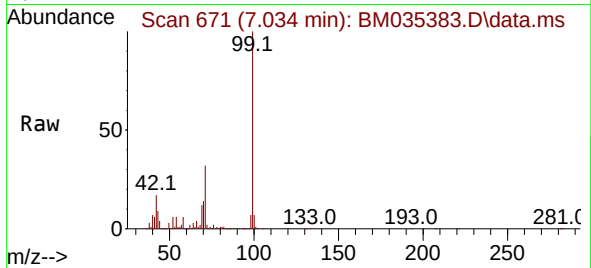
#7
Phenol-d6
Concen: 69.532 ng
RT: 7.034 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM035383.D
Acq: 03 Jun 2022 03:50

Instrument :
BNA_M
ClientSampleId :
P015-SS003-0006-01

Tgt Ion: 99 Resp: 76753
Ion Ratio Lower Upper
99 100
42 16.9 18.8 28.2
71 31.6 30.2 45.2

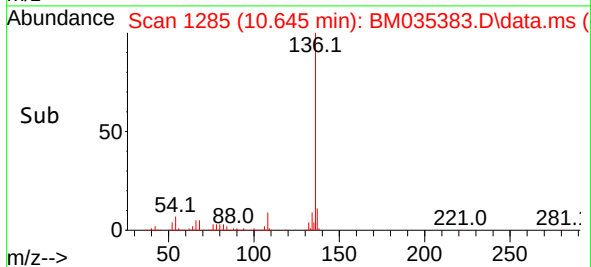
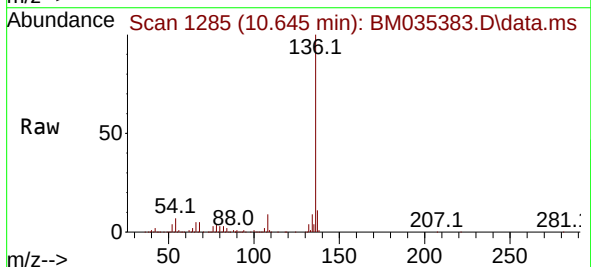
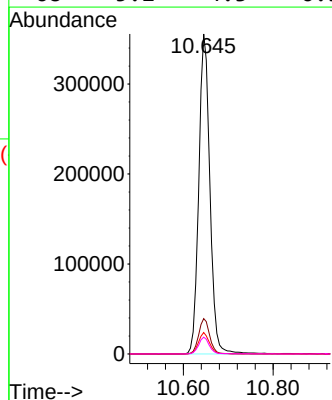
Manual Integrations
APPROVED

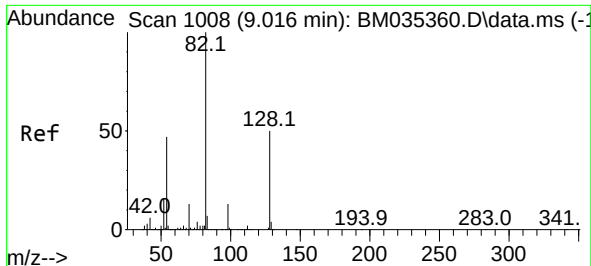
Reviewed By :Christian Giraldo 06/03/2022
Supervised By :Jagrut Upadhyay 06/03/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BM035383.D
Acq: 03 Jun 2022 03:50

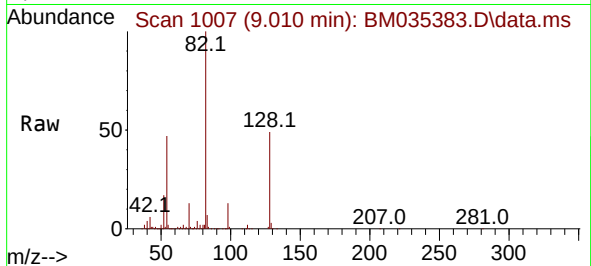
Tgt Ion:136 Resp: 611350
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.7 7.0 10.4
68 5.2 4.3 6.5





#23
Nitrobenzene-d5
Concen: 50.042 ng
RT: 9.010 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BM035383.D
Acq: 03 Jun 2022 03:50

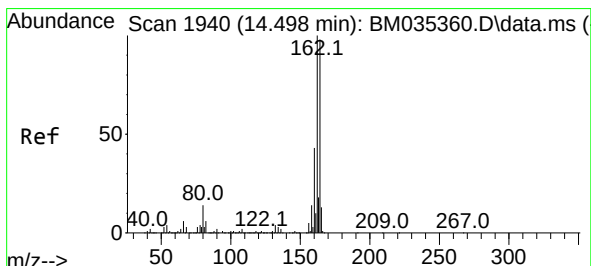
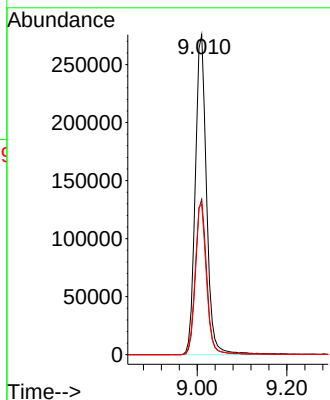
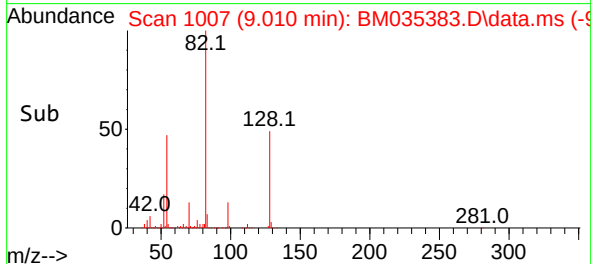
Instrument :
BNA_M
ClientSampleId :
P015-SS003-0006-01



Tgt Ion: 82 Resp: 481800
Ion Ratio Lower Upper
82 100
128 48.5 33.7 50.5
54 47.0 43.2 64.8

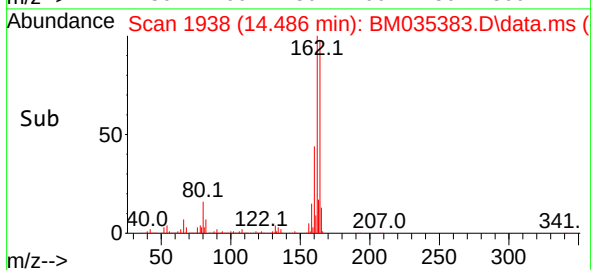
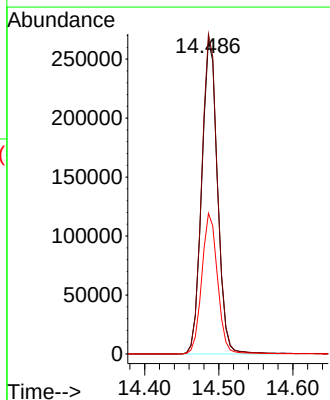
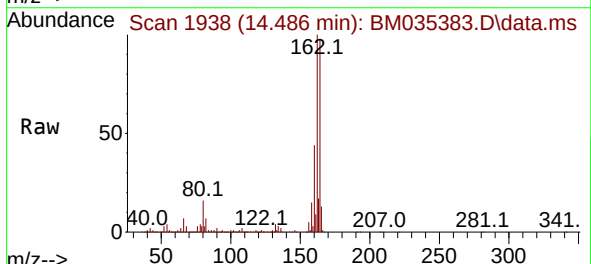
Manual Integrations
APPROVED

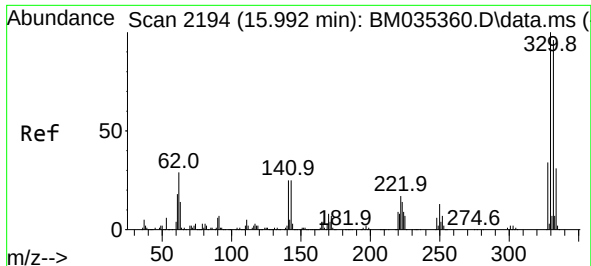
Reviewed By :Christian Giraldo 06/03/2022
Supervised By :Jagrut Upadhyay 06/03/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1938
Delta R.T. -0.012 min
Lab File: BM035383.D
Acq: 03 Jun 2022 03:50

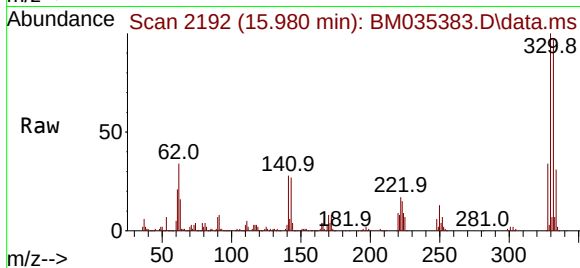
Tgt Ion:164 Resp: 393675
Ion Ratio Lower Upper
164 100
162 102.0 83.0 124.6
160 44.8 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 58.787 ng
RT: 15.980 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM035383.D
Acq: 03 Jun 2022 03:50

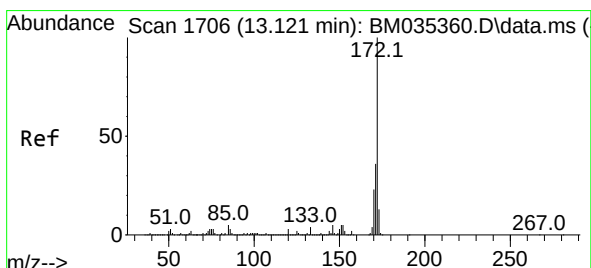
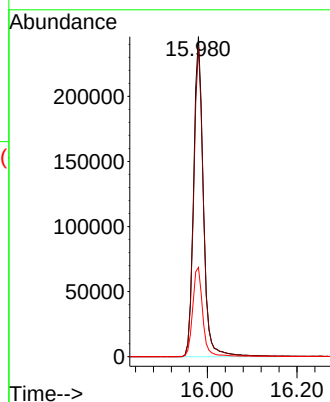
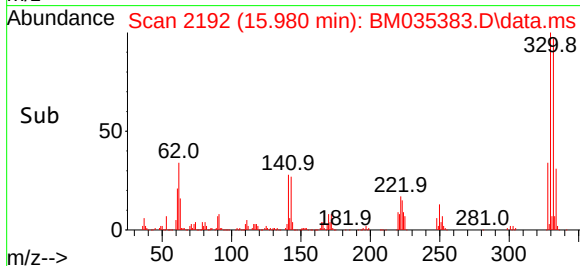
Instrument :
BNA_M
ClientSampleId :
P015-SS003-0006-01



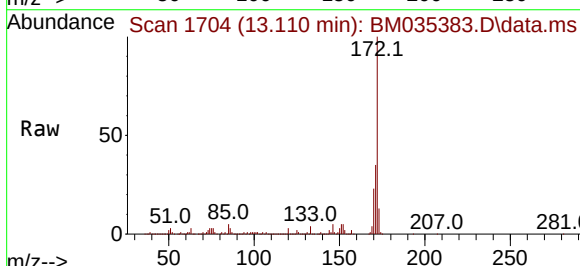
Tgt Ion:330 Resp: 37132
Ion Ratio Lower Upper
330 100
332 96.2 77.0 115.4
141 28.8 35.3 52.9

Manual Integrations
APPROVED

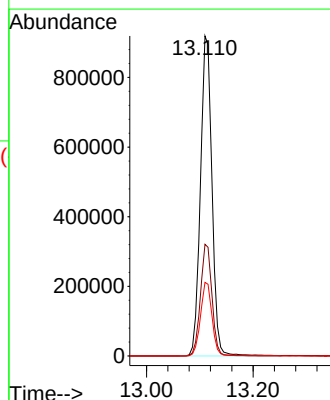
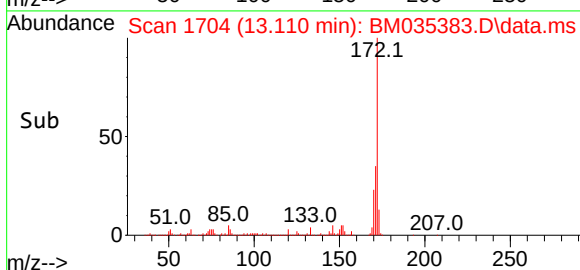
Reviewed By :Christian Giraldo 06/03/2022
Supervised By :Jagrut Upadhyay 06/03/2022

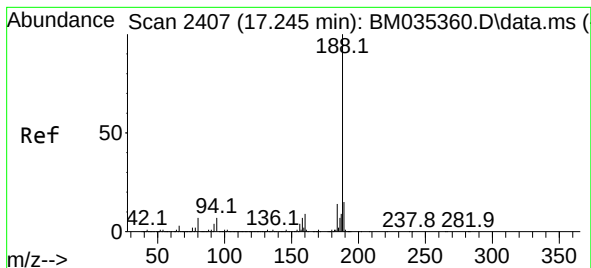


#45
2-Fluorobiphenyl
Concen: 50.486 ng
RT: 13.110 min Scan# 1704
Delta R.T. -0.012 min
Lab File: BM035383.D
Acq: 03 Jun 2022 03:50



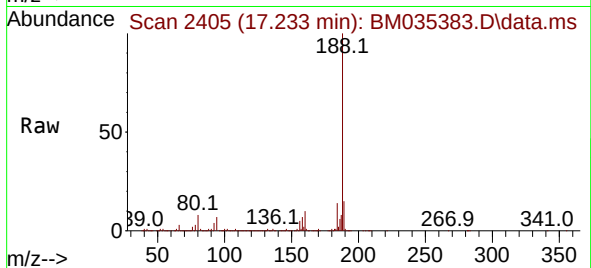
Tgt Ion:172 Resp: 1383791
Ion Ratio Lower Upper
172 100
171 34.9 28.5 42.7
170 23.0 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.233 min Scan# 2405
Delta R.T. -0.012 min
Lab File: BM035383.D
Acq: 03 Jun 2022 03:50

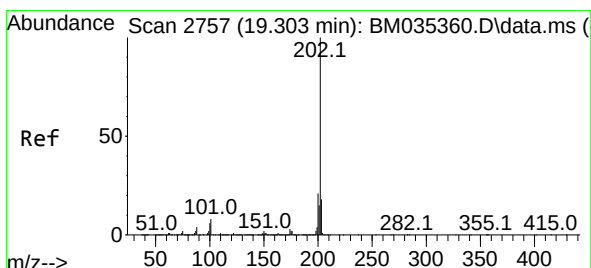
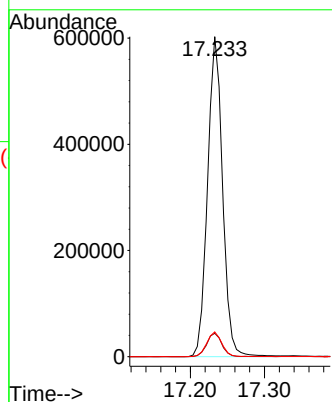
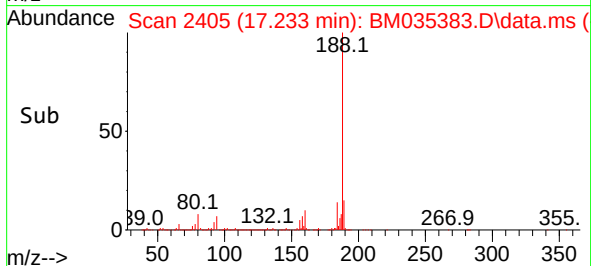
Instrument :
BNA_M
ClientSampleId :
P015-SS003-0006-01



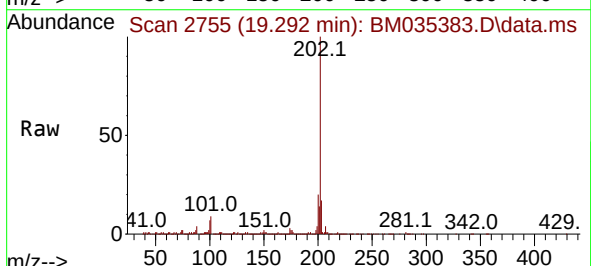
Tgt Ion:188 Resp: 848500
Ion Ratio Lower Upper
188 100
94 7.3 7.0 10.4
80 7.7 7.6 11.4

Manual Integrations
APPROVED

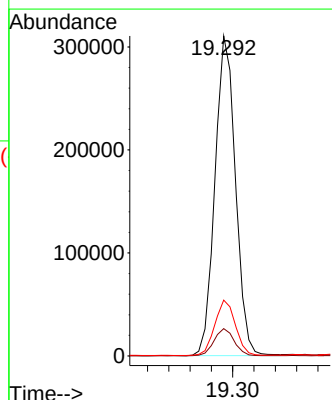
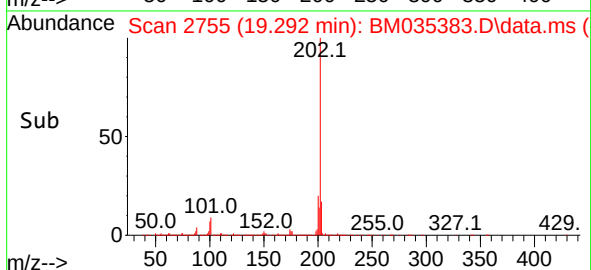
Reviewed By :Christian Giraldo 06/03/2022
Supervised By :Jagrut Upadhyay 06/03/2022

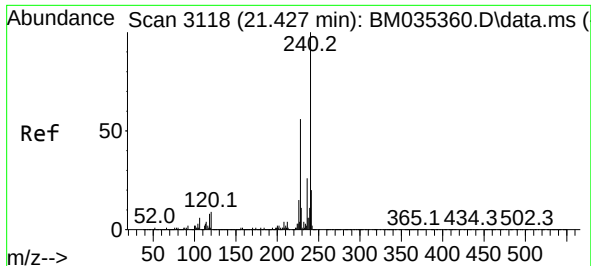


#75
Fluoranthene
Concen: 8.006 ng
RT: 19.292 min Scan# 2755
Delta R.T. -0.012 min
Lab File: BM035383.D
Acq: 03 Jun 2022 03:50



Tgt Ion:202 Resp: 415051
Ion Ratio Lower Upper
202 100
101 8.6 0.0 30.6
203 17.5 0.0 37.4





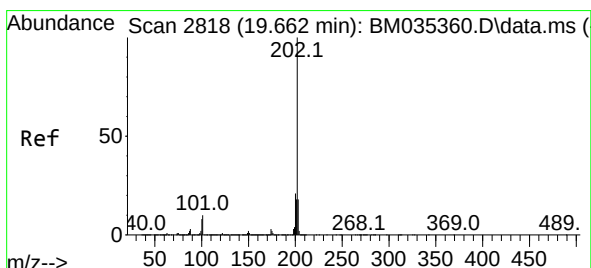
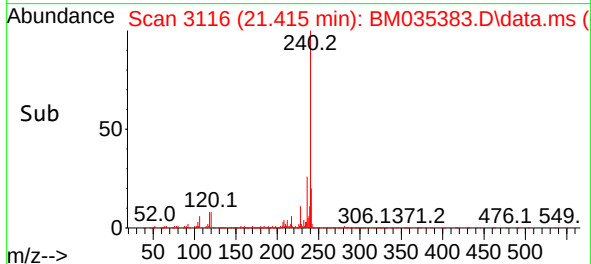
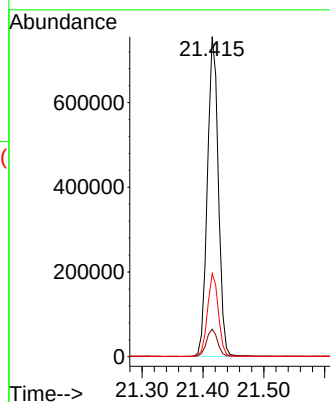
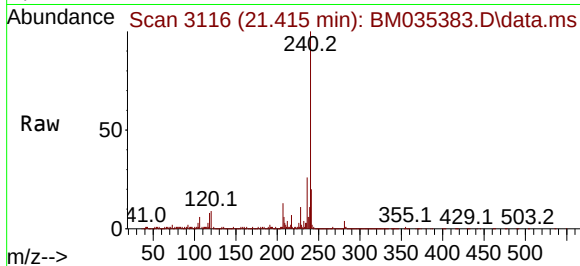
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.415 min Scan# 3118
Delta R.T. -0.012 min
Lab File: BM035383.D
Acq: 03 Jun 2022 03:50

Instrument :
BNA_M
ClientSampleId :
P015-SS003-0006-01

Tgt Ion:240 Resp: 945864
Ion Ratio Lower Upper
240 100
120 8.6 9.4 14.0
236 25.9 20.6 30.8

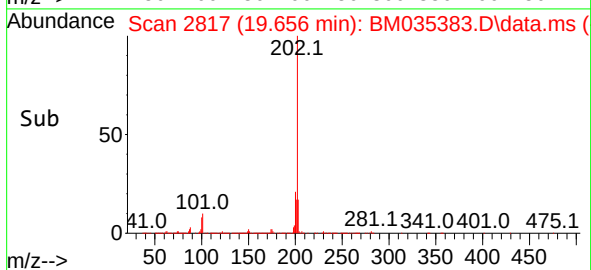
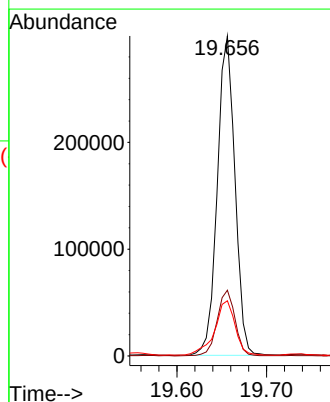
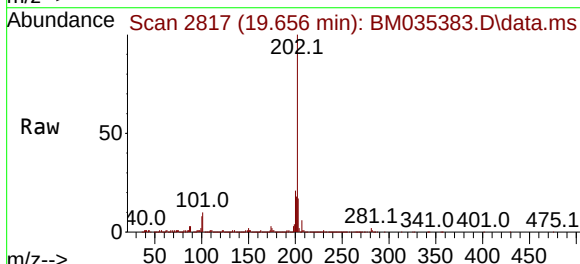
Manual Integrations
APPROVED

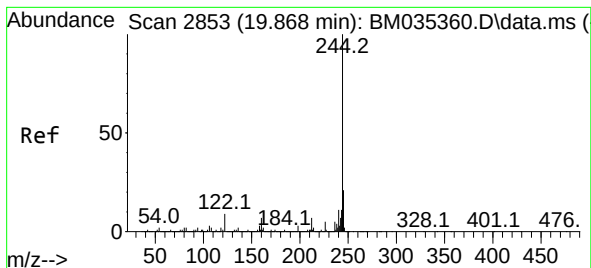
Reviewed By :Christian Giraldo 06/03/2022
Supervised By :Jagrut Upadhyay 06/03/2022



#78
Pyrene
Concen: 7.119 ng
RT: 19.656 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BM035383.D
Acq: 03 Jun 2022 03:50

Tgt Ion:202 Resp: 408312
Ion Ratio Lower Upper
202 100
200 20.6 16.7 25.1
203 17.3 13.9 20.9





#79

Terphenyl-d14

Concen: 49.249 ng

RT: 19.856 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM035383.D

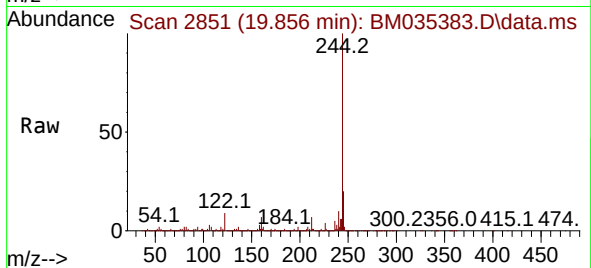
Acq: 03 Jun 2022 03:50

Instrument :

BNA_M

ClientSampleId :

P015-SS003-0006-01



Tgt Ion:244 Resp: 233819

Ion Ratio Lower Upper

244 100

212 6.8 6.2 9.4

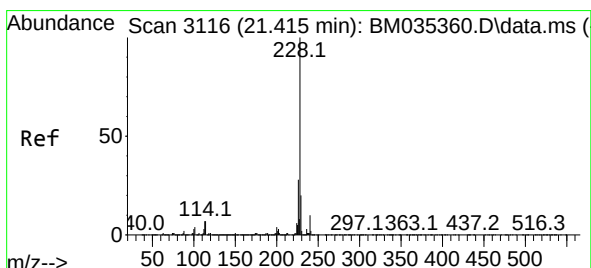
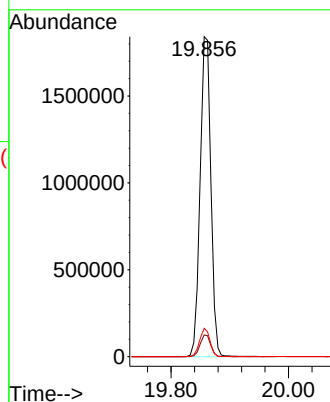
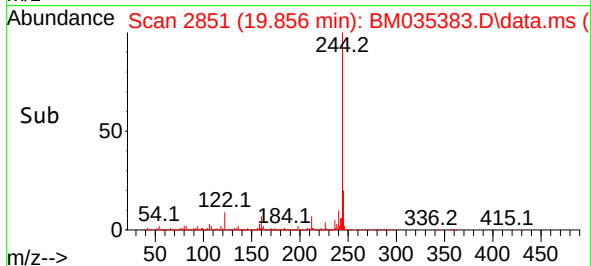
122 8.9 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/03/2022

Supervised By :Jagrut Upadhyay 06/03/2022



#81

Benzo(a)anthracene

Concen: 6.931 ng

RT: 21.403 min Scan# 3114

Delta R.T. -0.012 min

Lab File: BM035383.D

Acq: 03 Jun 2022 03:50

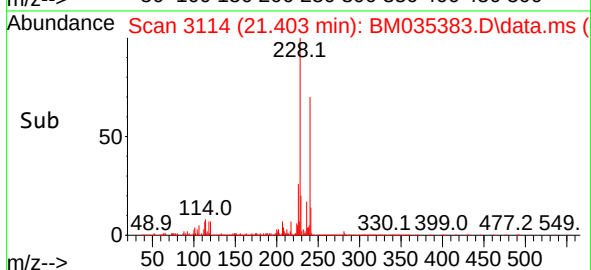
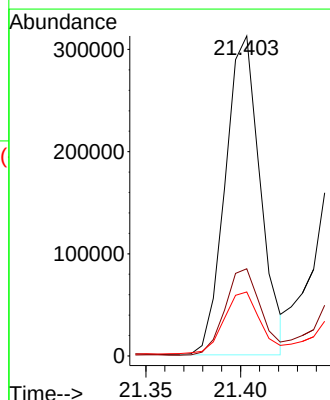
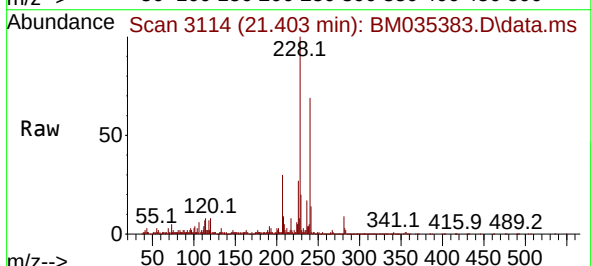
Tgt Ion:228 Resp: 402480

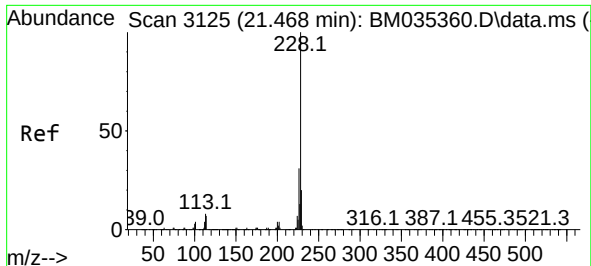
Ion Ratio Lower Upper

228 100

226 27.2 22.3 33.5

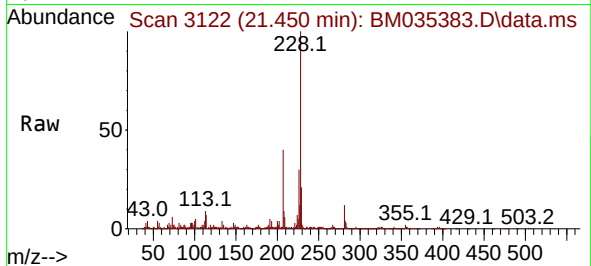
229 20.0 15.8 23.6





#83
Chrysene
Concen: 6.506 ng m
RT: 21.450 min Scan# 3125
Delta R.T. -0.018 min
Lab File: BM035383.D
Acq: 03 Jun 2022 03:50

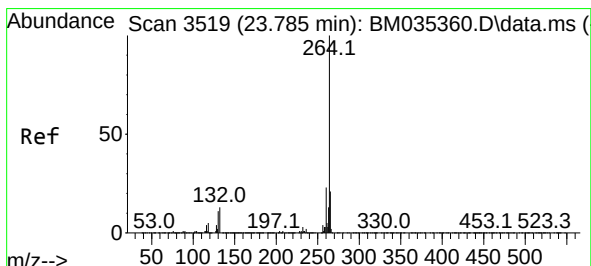
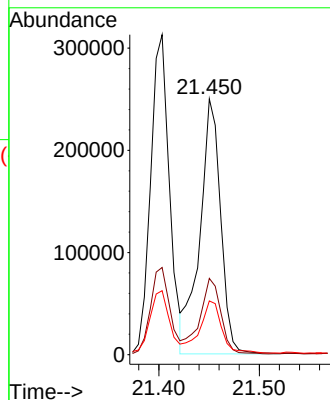
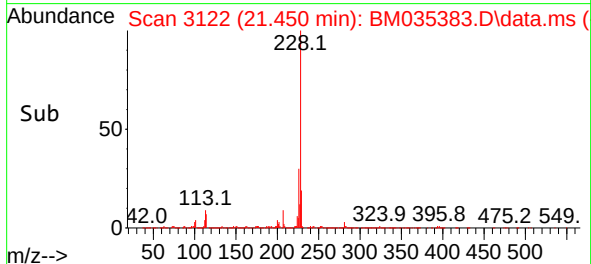
Instrument :
BNA_M
ClientSampleId :
P015-SS003-0006-01



Tgt Ion:228 Resp: 360739
Ion Ratio Lower Upper
228 100
226 29.8 24.4 36.6
229 21.0 15.8 23.8

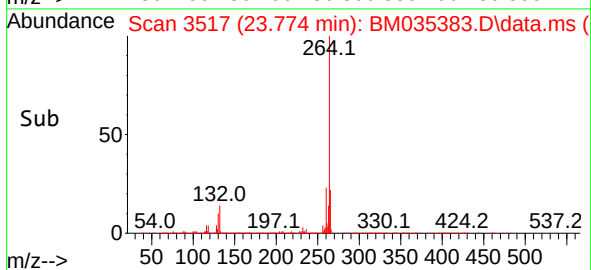
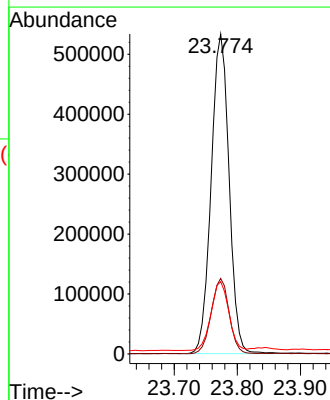
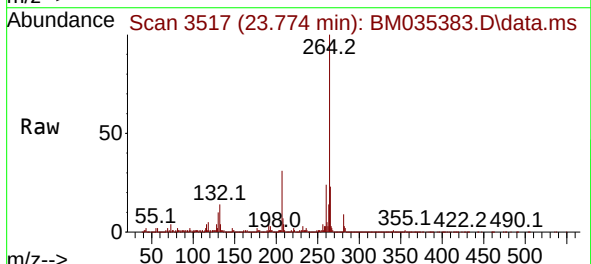
Manual Integrations
APPROVED

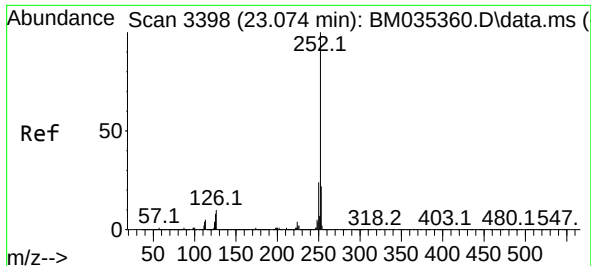
Reviewed By :Christian Giraldo 06/03/2022
Supervised By :Jagrut Upadhyay 06/03/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.774 min Scan# 3517
Delta R.T. -0.012 min
Lab File: BM035383.D
Acq: 03 Jun 2022 03:50

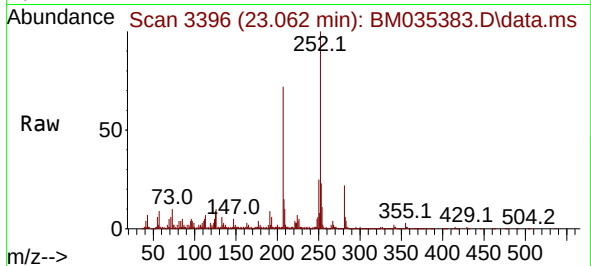
Tgt Ion:264 Resp: 1049997
Ion Ratio Lower Upper
264 100
260 23.6 18.9 28.3
265 22.6 17.5 26.3





#88
Benzo(b)fluoranthene
Concen: 8.668 ng
RT: 23.062 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM035383.D
Acq: 03 Jun 2022 03:50

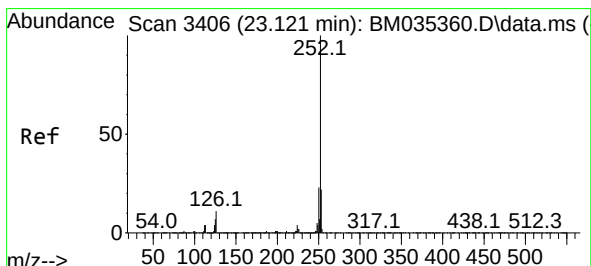
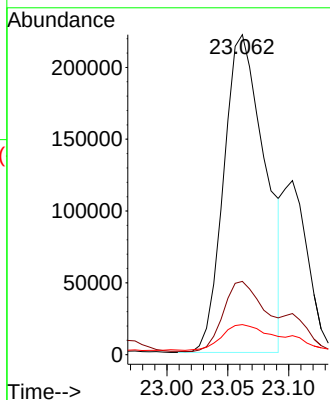
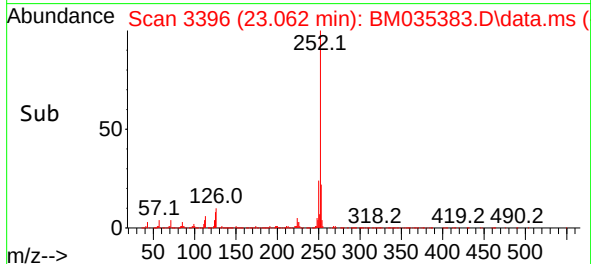
Instrument :
BNA_M
ClientSampleId :
P015-SS003-0006-01



Tgt Ion:252 Resp: 524220
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 9.4 7.6 11.4

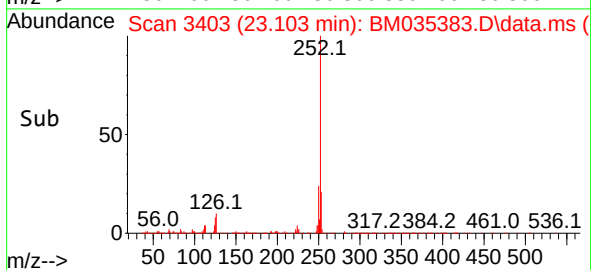
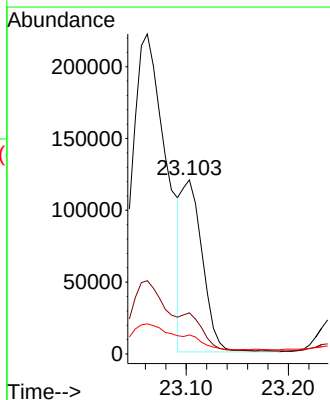
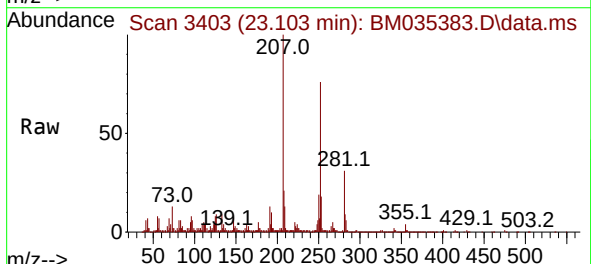
Manual Integrations
APPROVED

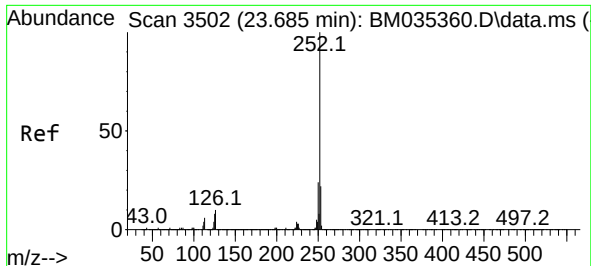
Reviewed By :Christian Giraldo 06/03/2022
Supervised By :Jagrut Upadhyay 06/03/2022



#89
Benzo(k)fluoranthene
Concen: 2.745 ng m
RT: 23.103 min Scan# 3403
Delta R.T. -0.018 min
Lab File: BM035383.D
Acq: 03 Jun 2022 03:50

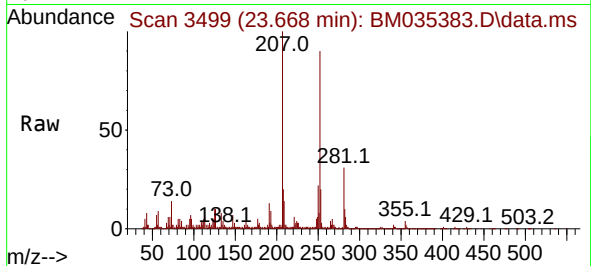
Tgt Ion:252 Resp: 169857
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 10.9 7.6 11.4





#90
Benzo(a)pyrene
Concen: 5.489 ng
RT: 23.668 min Scan# 34
Delta R.T. -0.018 min
Lab File: BM035383.D
Acq: 03 Jun 2022 03:50

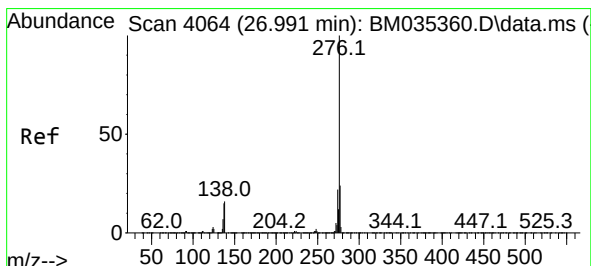
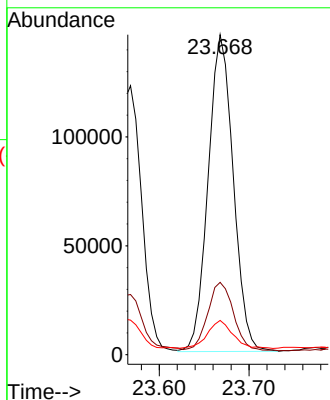
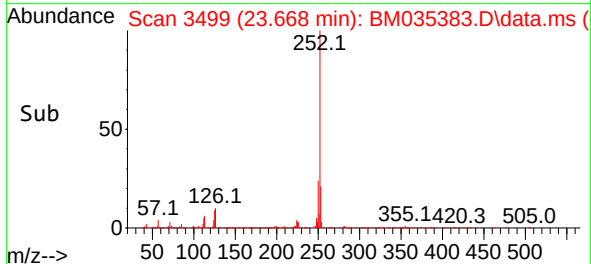
Instrument :
BNA_M
ClientSampleId :
P015-SS003-0006-01



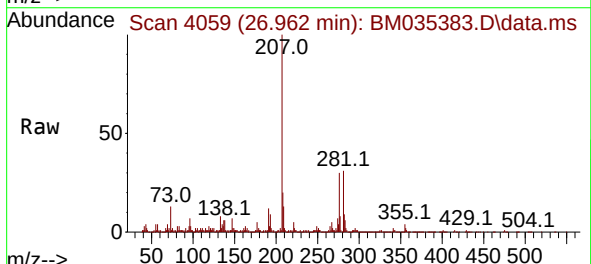
Tgt Ion:252 Resp: 28265
Ion Ratio Lower Upper
252 100
253 22.6 17.2 25.8
125 10.7 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 06/03/2022
Supervised By :Jagrut Upadhyay 06/03/2022



#92
Benzo(g,h,i)perylene
Concen: 2.975 ng
RT: 26.962 min Scan# 4059
Delta R.T. -0.029 min
Lab File: BM035383.D
Acq: 03 Jun 2022 03:50



Tgt Ion:276 Resp: 166798
Ion Ratio Lower Upper
276 100
277 26.1 18.7 28.1
138 18.6 17.6 26.4

