

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041223\
 Data File : BM039407.D
 Acq On : 12 Apr 2023 17:23
 Operator : CG/JU
 Sample : 02262-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JPP-1-040723

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/13/2023
 Supervised By : Jagrut Upadhyay 04/13/2023

Quant Time: Apr 13 01:48:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 11 16:05:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	203903	20.000	ng	0.00
21) Naphthalene-d8	10.669	136	818315	20.000	ng	0.00
39) Acenaphthene-d10	14.515	164	481759	20.000	ng	0.00
64) Phenanthrene-d10	17.262	188	991333	20.000	ng	0.00
76) Chrysene-d12	21.456	240	879432	20.000	ng	0.00
86) Perylene-d12	23.850	264	989513	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	1084895	80.161	ng	0.02
7) Phenol-d6	7.069	99	1422821	81.280	ng	0.04
23) Nitrobenzene-d5	9.028	82	849997	50.484	ng	0.00
42) 2,4,6-Tribromophenol	16.009	330	461226	75.420	ng	0.00
45) 2-Fluorobiphenyl	13.133	172	1806769	50.814	ng	0.00
79) Terphenyl-d14	19.892	244	2574453	54.085	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.239	152	295235	6.236	ng	99
52) Acenaphthene	14.574	154	95898	3.430	ng	98
58) Fluorene	15.562	166	111619	3.132	ng	99
71) Phenanthrene	17.309	178	2123595	39.113	ng	100
72) Anthracene	17.398	178	695637	12.565	ng	99
73) Carbazole	17.680	167	225589	4.361	ng	98
75) Fluoranthene	19.327	202	4969626	80.297	ng	99
78) Pyrene	19.692	202	4930997	78.762	ng	99
81) Benzo(a)anthracene	21.444	228	2706373	43.635	ng	98
83) Chrysene	21.497	228	2372180	39.619	ng	97
87) Indeno(1,2,3-cd)pyrene	26.326	276	1953189	26.790	ng	95
88) Benzo(b)fluoranthene	23.127	252	3642488m	60.160	ng	
89) Benzo(k)fluoranthene	23.168	252	1091822m	17.704	ng	
90) Benzo(a)pyrene	23.744	252	2771704	46.600	ng	98
91) Dibenzo(a,h)anthracene	26.338	278	463574m	7.572	ng	
92) Benzo(g,h,i)perylene	27.091	276	2038563	33.860	ng	100

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

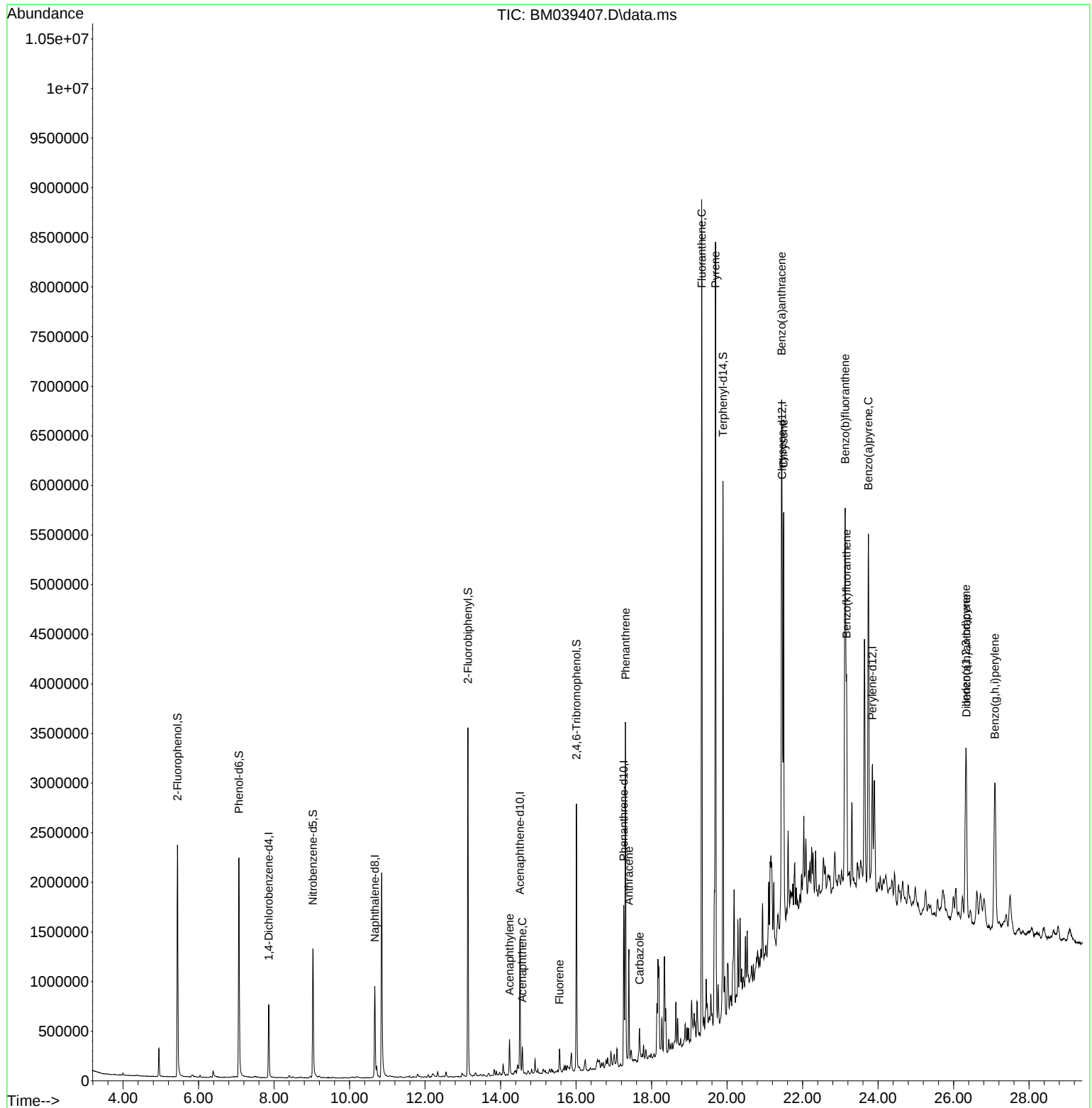
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041223\
Data File : BM039407.D
Acq On : 12 Apr 2023 17:23
Operator : CG/JU
Sample : 02262-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

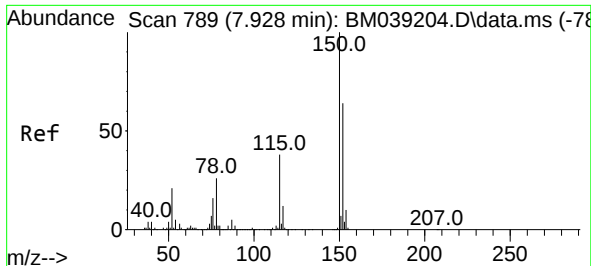
Instrument :
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Quant Time: Apr 13 01:48:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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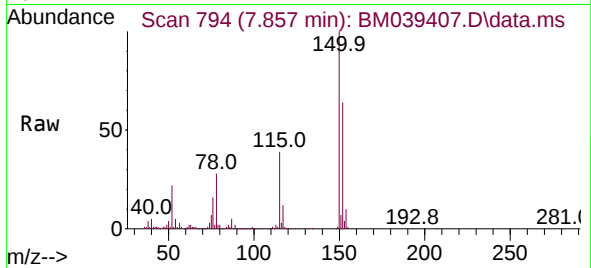
Reviewed By : Christian Giraldo 04/13/2023
Supervised By : Jagrut Upadhyay 04/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.857 min Scan# 794
Delta R.T. -0.006 min
Lab File: BM039407.D
Acq: 12 Apr 2023 17:23

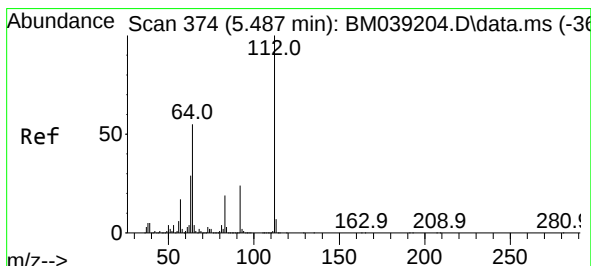
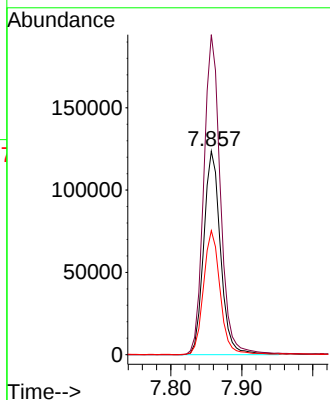
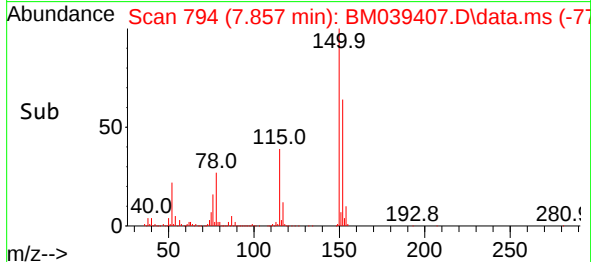
Instrument :
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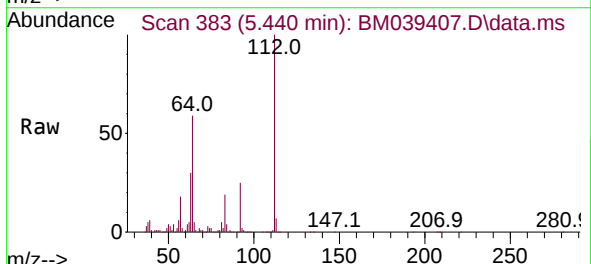
Tgt Ion:152 Resp: 20390
Ion Ratio Lower Upper
152 100
150 157.3 125.5 188.3
115 60.9 48.1 72.1

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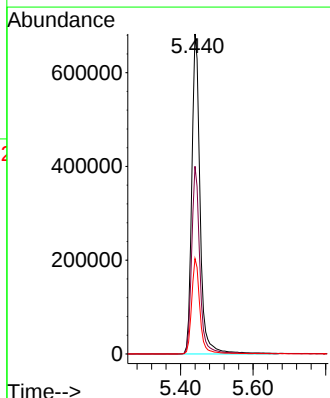
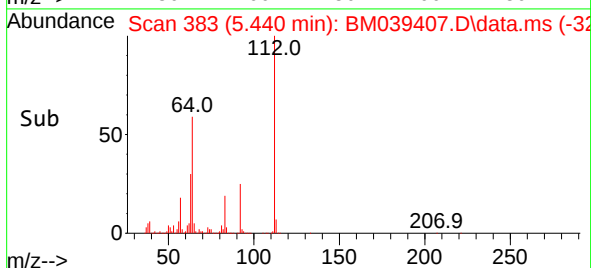
Reviewed By :Christian Giraldo 04/13/2023
Supervised By :Jagrut Upadhyay 04/13/2023

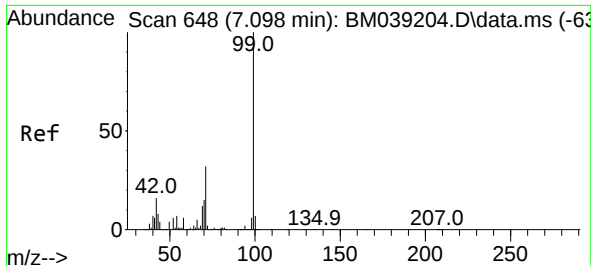


#5
2-Fluorophenol
Concen: 80.161 ng
RT: 5.440 min Scan# 383
Delta R.T. 0.018 min
Lab File: BM039407.D
Acq: 12 Apr 2023 17:23



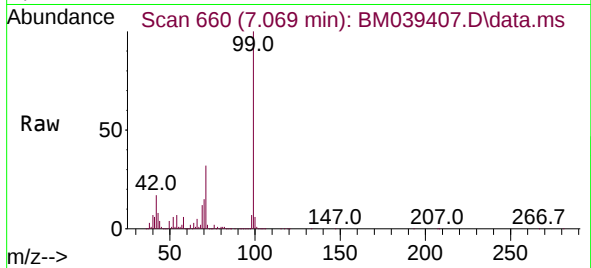
Tgt Ion:112 Resp: 1084895
Ion Ratio Lower Upper
112 100
64 58.6 44.3 66.5
63 29.8 23.0 34.6





#7
Phenol-d6
Concen: 81.280 ng
RT: 7.069 min Scan# 60
Delta R.T. 0.035 min
Lab File: BM039407.D
Acq: 12 Apr 2023 17:23

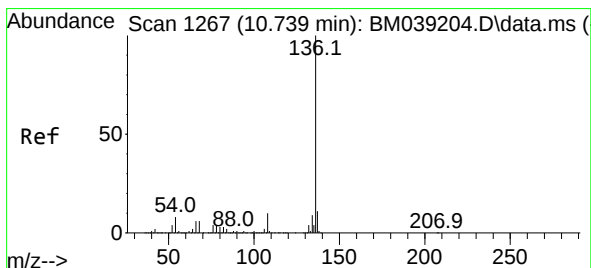
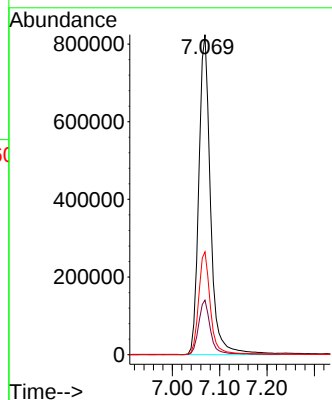
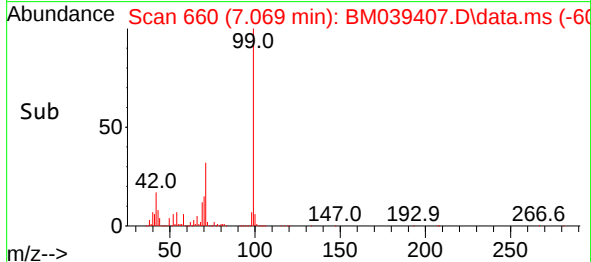
Instrument :
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ClientSampleId :
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Tgt Ion: 99 Resp: 142282
Ion Ratio Lower Upper
99 100
42 17.0 13.0 19.6
71 32.2 25.5 38.3

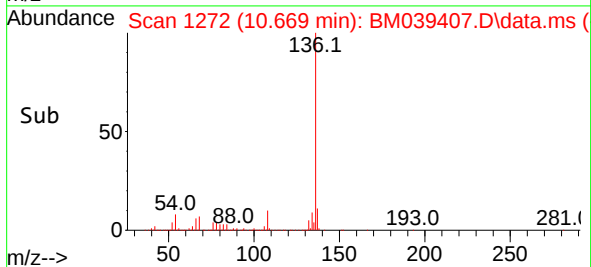
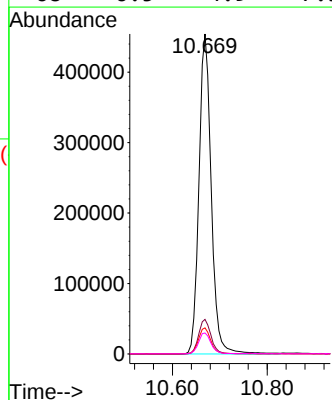
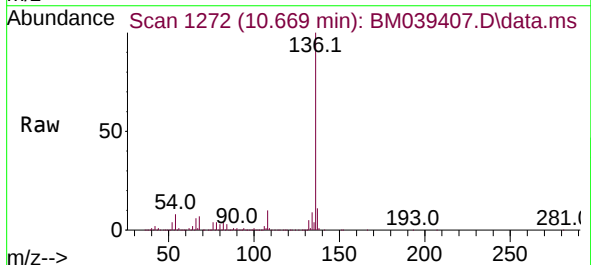
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Supervised By :Jagrut Upadhyay 04/13/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.669 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BM039407.D
Acq: 12 Apr 2023 17:23

Tgt Ion:136 Resp: 818315
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.1 6.2 9.4
68 6.5 4.9 7.3





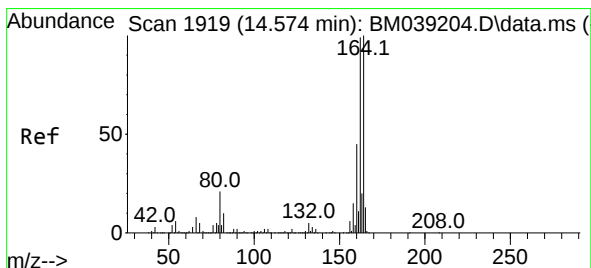
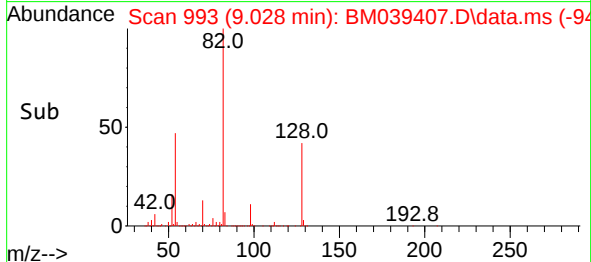
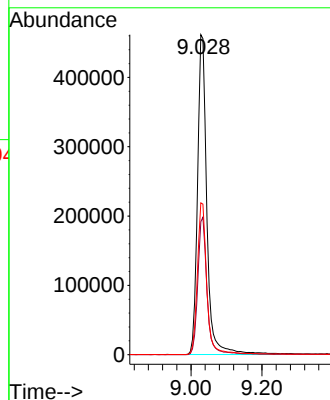
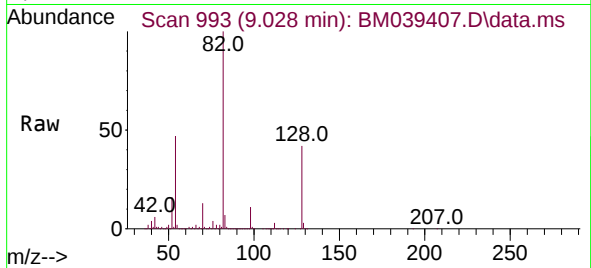
#23
Nitrobenzene-d5
Concen: 50.484 ng
RT: 9.028 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM039407.D
Acq: 12 Apr 2023 17:23

Instrument :
BNA_M
ClientSampleId :
JPP-1-040723

Tgt Ion: 82 Resp: 849997
Ion Ratio Lower Upper
82 100
128 41.5 35.1 52.7
54 47.4 38.5 57.7

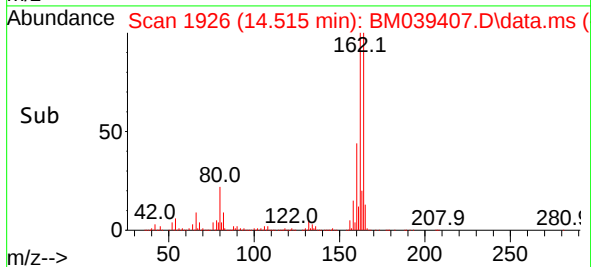
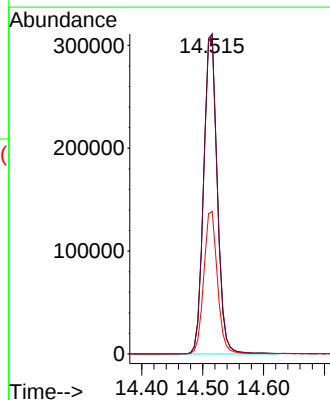
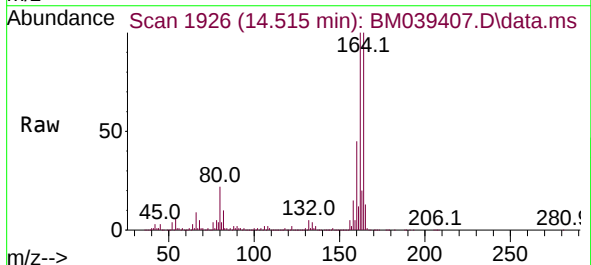
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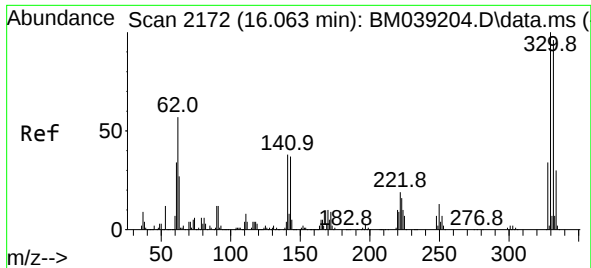
Reviewed By :Christian Giraldo 04/13/2023
Supervised By :Jagrut Upadhyay 04/13/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.515 min Scan# 1926
Delta R.T. -0.000 min
Lab File: BM039407.D
Acq: 12 Apr 2023 17:23

Tgt Ion:164 Resp: 481759
Ion Ratio Lower Upper
164 100
162 99.9 79.1 118.7
160 44.5 35.8 53.8





#42
2,4,6-Tribromophenol
Concen: 75.420 ng
RT: 16.009 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BM039407.D
Acq: 12 Apr 2023 17:23

Instrument :

BNA_M

ClientSampleId :

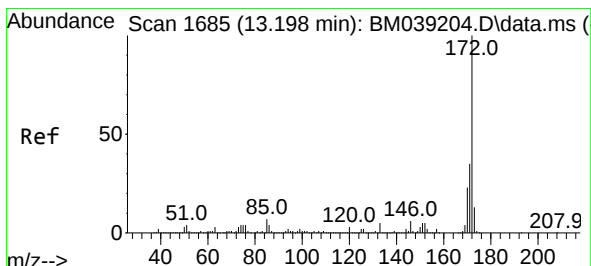
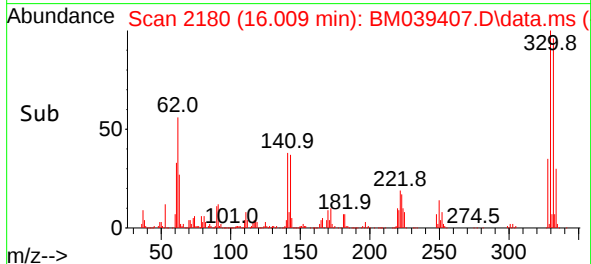
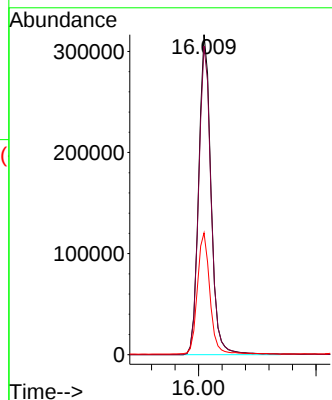
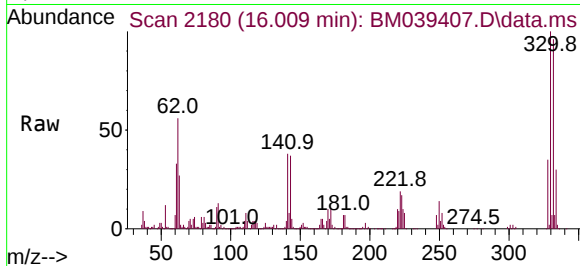
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Tgt Ion:330 Resp: 461220
Ion Ratio Lower Upper
330 100
332 97.3 77.4 116.0
141 38.5 29.8 44.6

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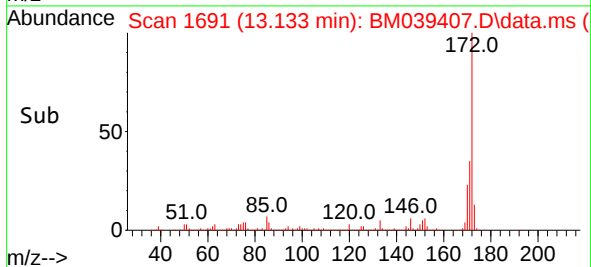
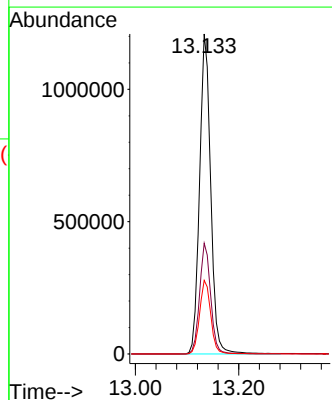
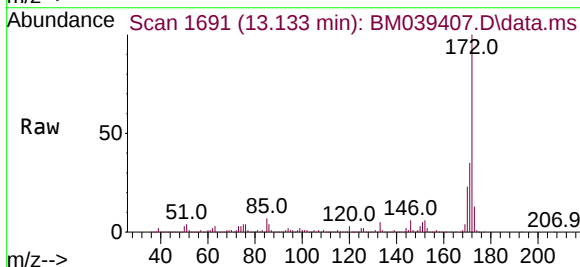
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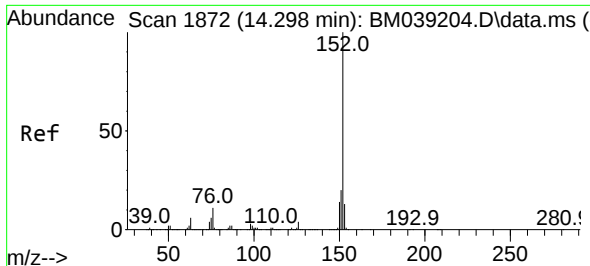
Reviewed By :Christian Giraldo 04/13/2023
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#45
2-Fluorobiphenyl
Concen: 50.814 ng
RT: 13.133 min Scan# 1691
Delta R.T. -0.006 min
Lab File: BM039407.D
Acq: 12 Apr 2023 17:23

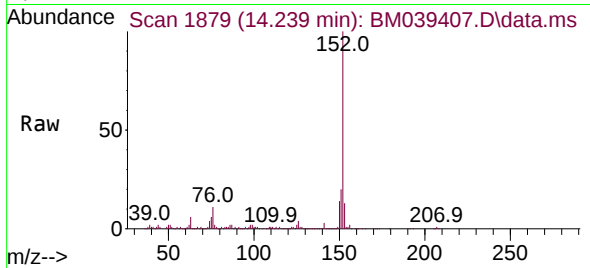
Tgt Ion:172 Resp: 1806769
Ion Ratio Lower Upper
172 100
171 34.6 28.0 42.0
170 23.0 18.7 28.1





#49
Acenaphthylene
Concen: 6.236 ng
RT: 14.239 min Scan# 1879
Delta R.T. -0.000 min
Lab File: BM039407.D
Acq: 12 Apr 2023 17:23

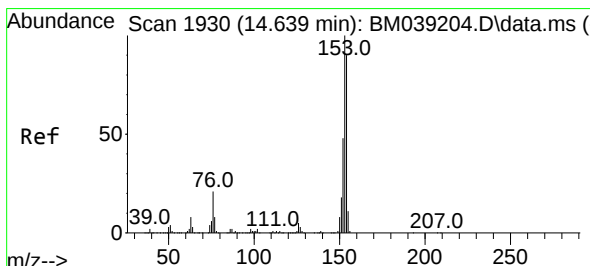
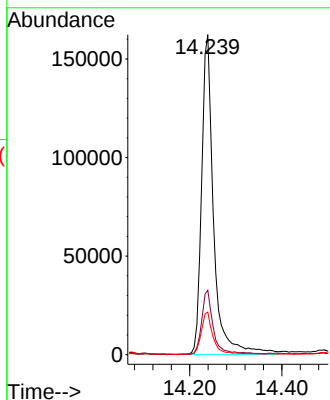
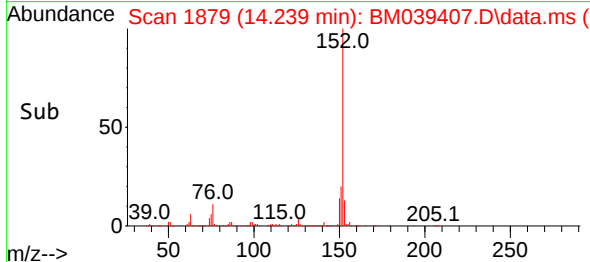
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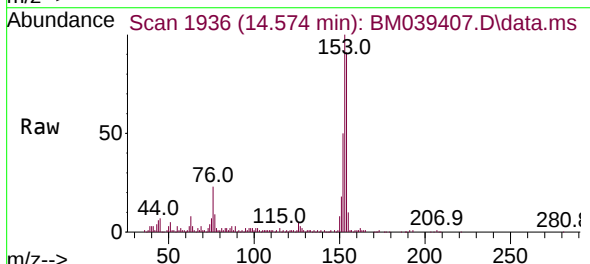
Tgt Ion:152 Resp: 295238
Ion Ratio Lower Upper
152 100
151 20.1 15.7 23.5
153 13.3 10.3 15.5

Manual Integrations
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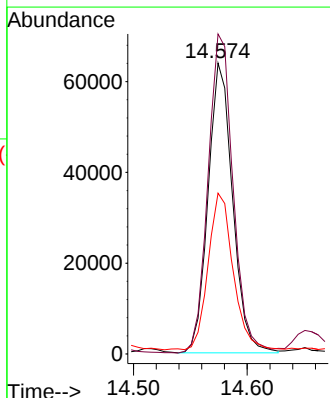
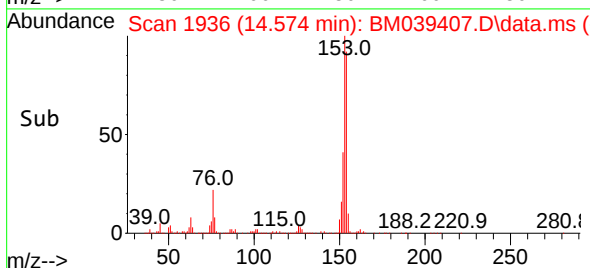
Reviewed By :Christian Giraldo 04/13/2023
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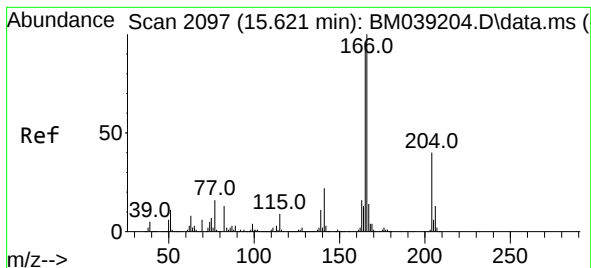


#52
Acenaphthene
Concen: 3.430 ng
RT: 14.574 min Scan# 1936
Delta R.T. -0.012 min
Lab File: BM039407.D
Acq: 12 Apr 2023 17:23



Tgt Ion:154 Resp: 95898
Ion Ratio Lower Upper
154 100
153 110.0 89.1 133.7
152 55.3 42.6 64.0





#58

Fluorene

Concen: 3.132 ng

RT: 15.562 min Scan# 2104

Delta R.T. -0.006 min

Lab File: BM039407.D

Acq: 12 Apr 2023 17:23

Instrument :

BNA_M

ClientSampleId :

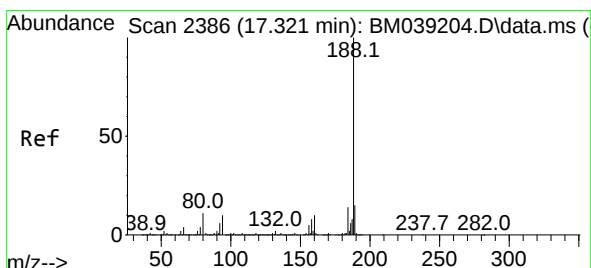
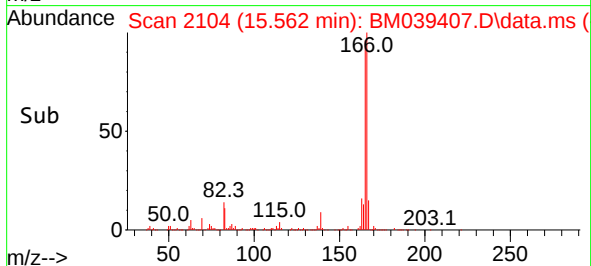
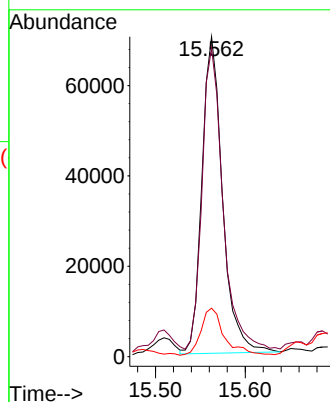
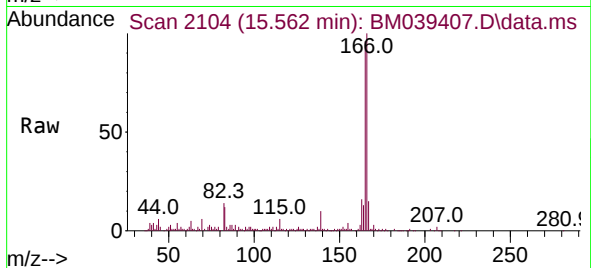
JPP-1-040723

Tgt Ion:166 Resp: 111619
 Ion Ratio Lower Upper
 166 100
 165 96.4 76.9 115.3
 167 15.2 10.8 16.2

Manual Integrations

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#64

Phenanthrene-d10

Concen: 20.000 ng

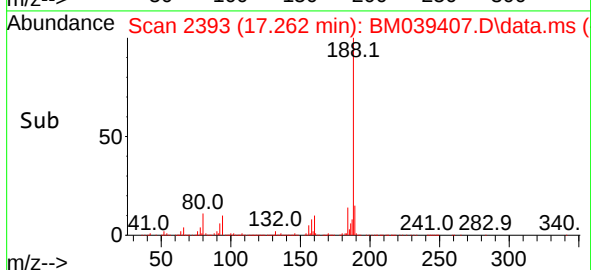
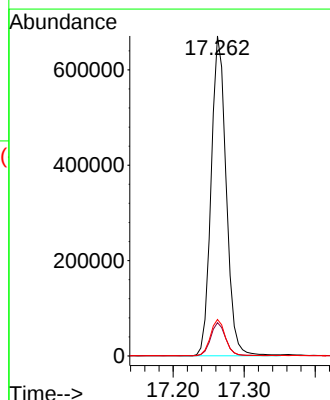
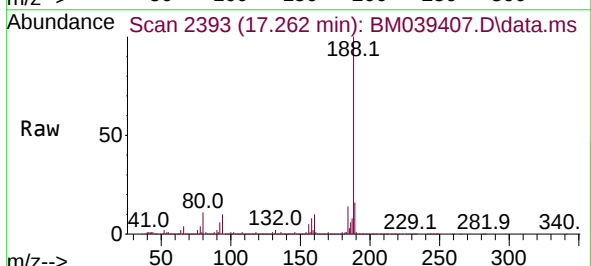
RT: 17.262 min Scan# 2393

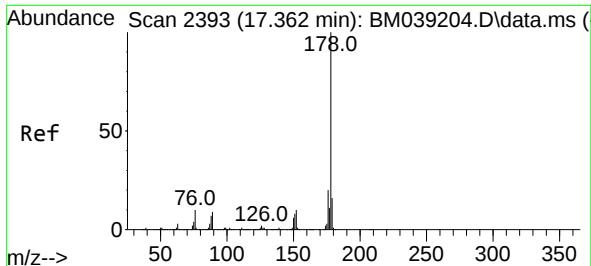
Delta R.T. -0.006 min

Lab File: BM039407.D

Acq: 12 Apr 2023 17:23

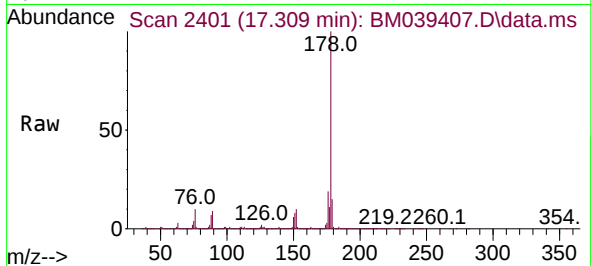
Tgt Ion:188 Resp: 991333
 Ion Ratio Lower Upper
 188 100
 94 10.4 8.2 12.4
 80 11.4 8.9 13.3





#71
Phenanthrene
Concen: 39.113 ng
RT: 17.309 min Scan# 2416
Delta R.T. -0.000 min
Lab File: BM039407.D
Acq: 12 Apr 2023 17:23

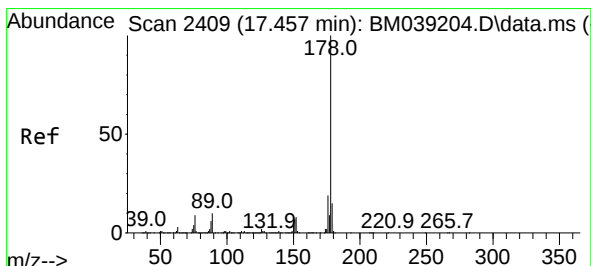
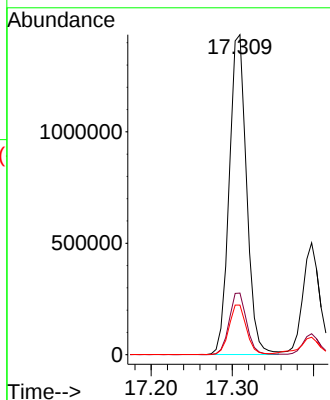
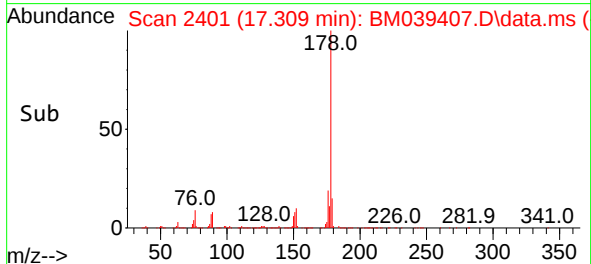
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Tgt Ion:178 Resp: 212359
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 15.5 12.4 18.6

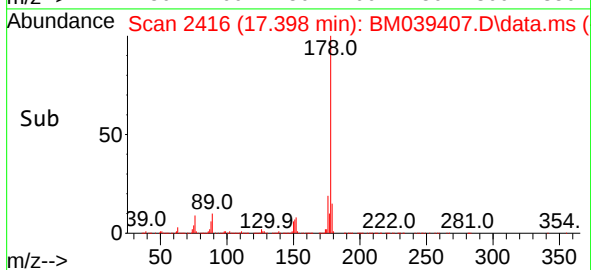
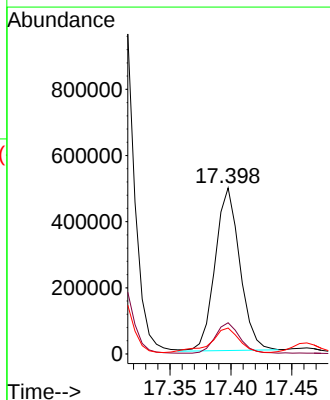
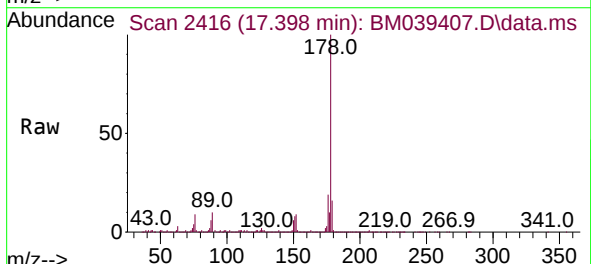
Manual Integrations
APPROVED

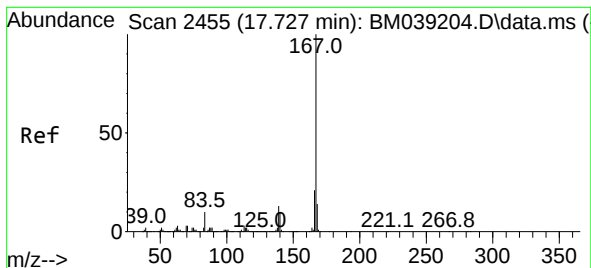
Reviewed By :Christian Giraldo 04/13/2023
Supervised By :Jagrut Upadhyay 04/13/2023



#72
Anthracene
Concen: 12.565 ng
RT: 17.398 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BM039407.D
Acq: 12 Apr 2023 17:23

Tgt Ion:178 Resp: 695637
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 15.6 12.2 18.2





#73

Carbazole

Concen: 4.361 ng

RT: 17.680 min Scan# 2455

Delta R.T. -0.000 min

Lab File: BM039407.D

Acq: 12 Apr 2023 17:23

Instrument :

BNA_M

ClientSampleId :

JPP-1-040723

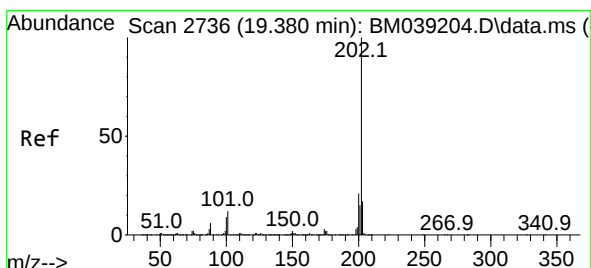
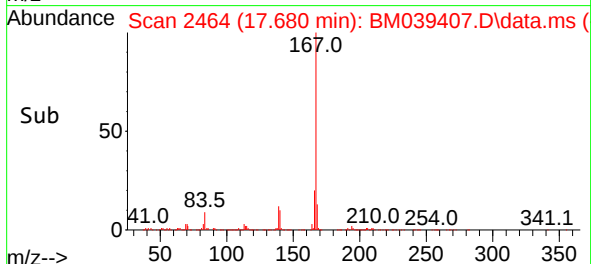
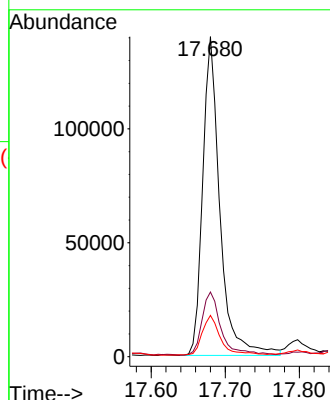
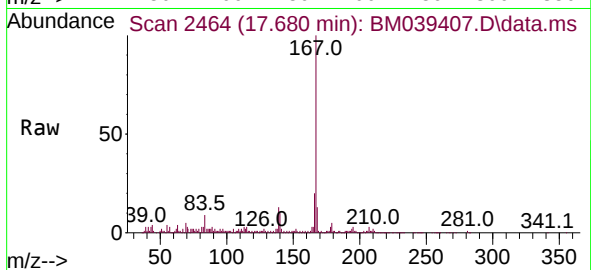
Tgt Ion:167 Resp: 225589
 Ion Ratio Lower Upper
 167 100
 166 20.2 17.2 25.8
 139 12.9 10.6 16.0

Manual Integrations

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Reviewed By :Christian Giraldo 04/13/2023

Supervised By :Jagrut Upadhyay 04/13/2023



#75

Fluoranthene

Concen: 80.297 ng

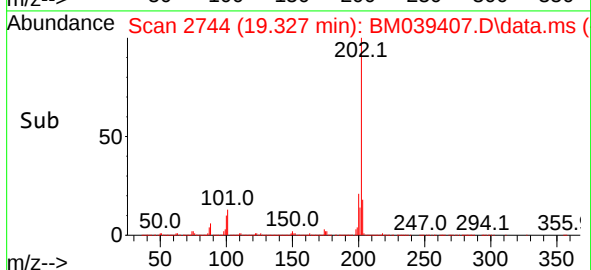
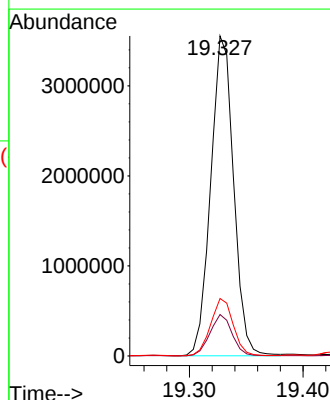
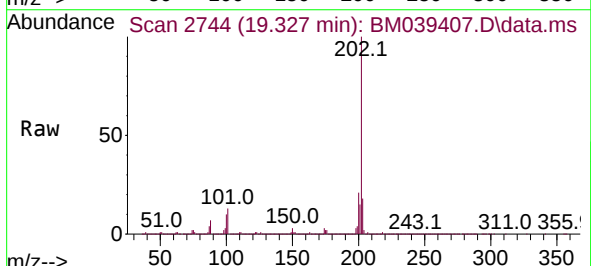
RT: 19.327 min Scan# 2744

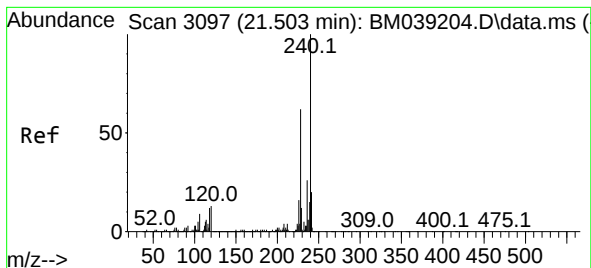
Delta R.T. -0.006 min

Lab File: BM039407.D

Acq: 12 Apr 2023 17:23

Tgt Ion:202 Resp: 4969626
 Ion Ratio Lower Upper
 202 100
 101 13.0 0.0 32.5
 203 18.0 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.456 min Scan# 3106

Delta R.T. -0.006 min

Lab File: BM039407.D

Acq: 12 Apr 2023 17:23

Instrument :

BNA_M

ClientSampleId :

JPP-1-040723

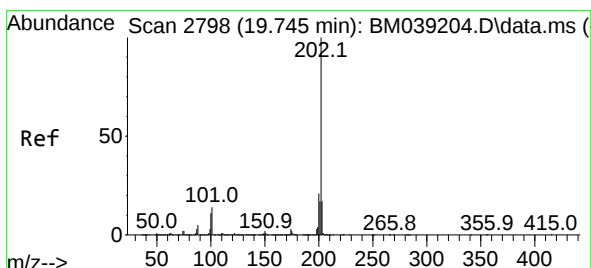
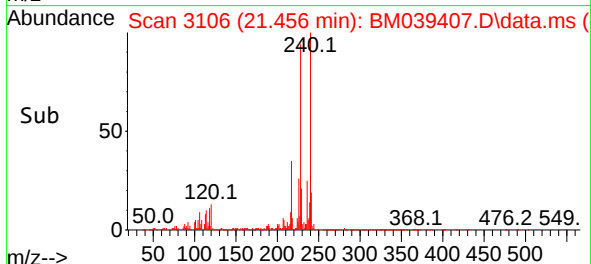
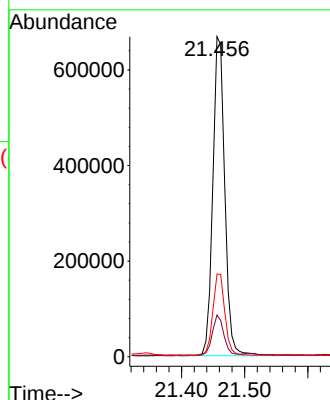
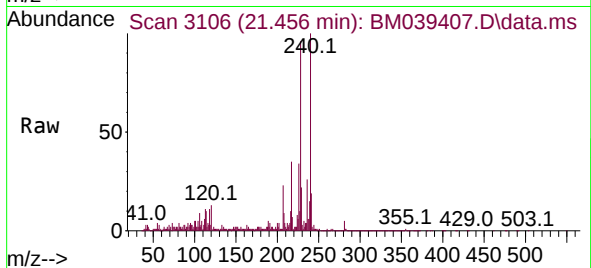
Tgt Ion:	240	Resp:	87943
Ion Ratio	Lower	Upper	
240	100		
120	13.0	10.2	15.2
236	25.8	20.9	31.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/13/2023

Supervised By :Jagrut Upadhyay 04/13/2023



#78

Pyrene

Concen: 78.762 ng

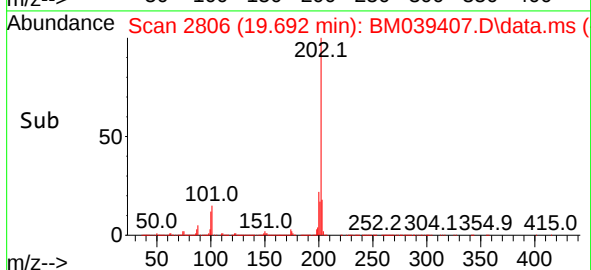
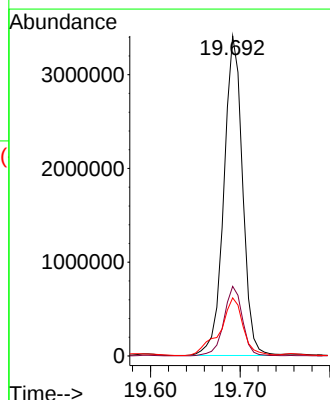
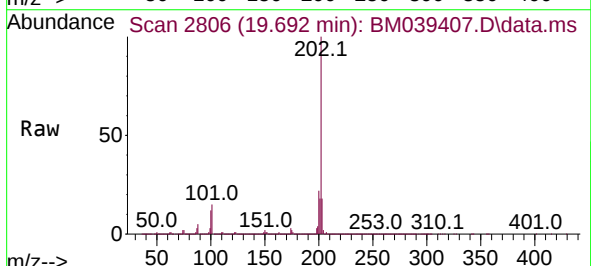
RT: 19.692 min Scan# 2806

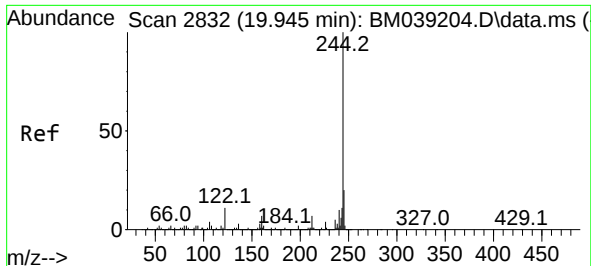
Delta R.T. -0.006 min

Lab File: BM039407.D

Acq: 12 Apr 2023 17:23

Tgt Ion:	202	Resp:	4930997
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.1	25.7
203	18.2	13.9	20.9





#79
 Terphenyl-d14
 Concen: 54.085 ng
 RT: 19.892 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM039407.D
 Acq: 12 Apr 2023 17:23

Instrument :

BNA_M

ClientSampleId :

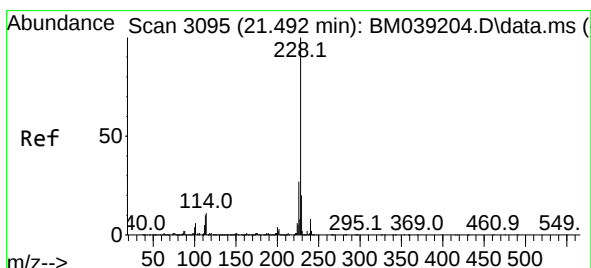
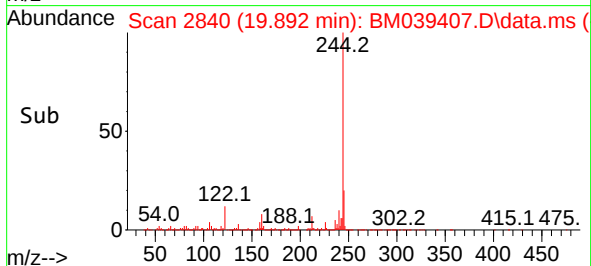
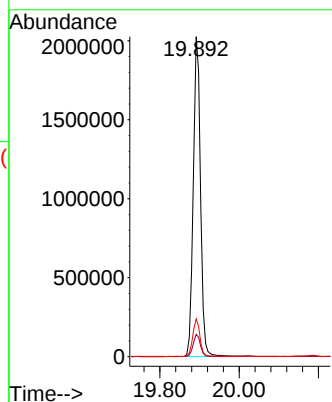
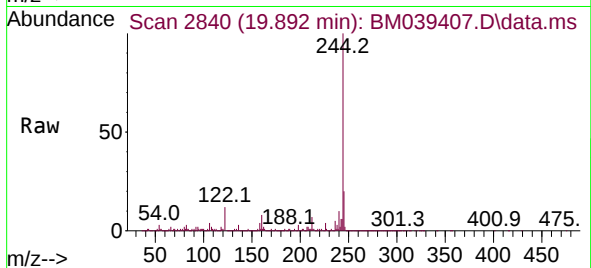
JPP-1-040723

Tgt Ion:244 Resp: 257445
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 11.8 9.1 13.7

Manual Integrations

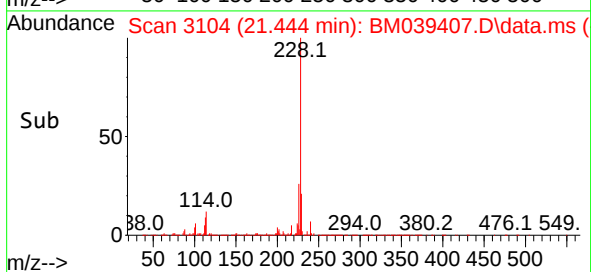
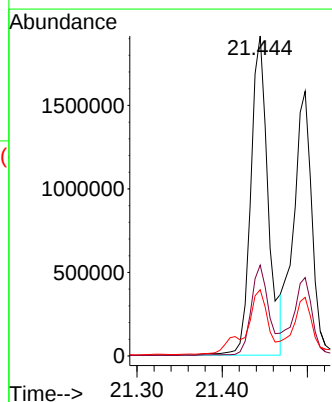
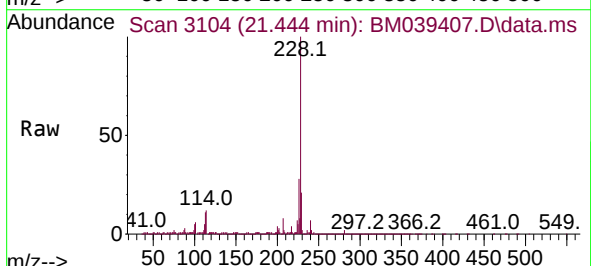
APPROVED

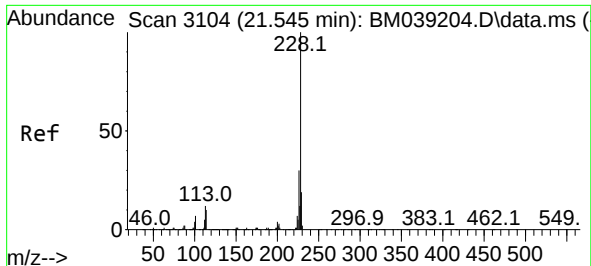
Reviewed By :Christian Giraldo 04/13/2023
 Supervised By :Jagrut Upadhyay 04/13/2023



#81
 Benzo(a)anthracene
 Concen: 43.635 ng
 RT: 21.444 min Scan# 3104
 Delta R.T. -0.000 min
 Lab File: BM039407.D
 Acq: 12 Apr 2023 17:23

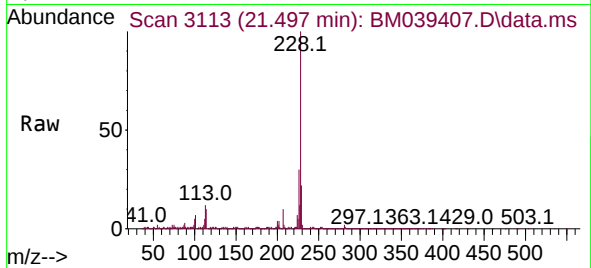
Tgt Ion:228 Resp: 2706373
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.9 32.9
 229 20.7 15.8 23.6





#83
Chrysene
Concen: 39.619 ng
RT: 21.497 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BM039407.D
Acq: 12 Apr 2023 17:23

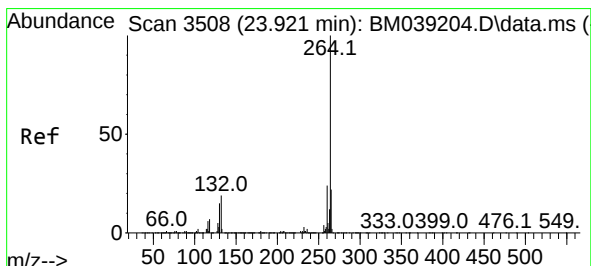
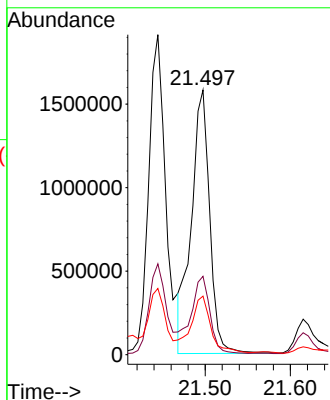
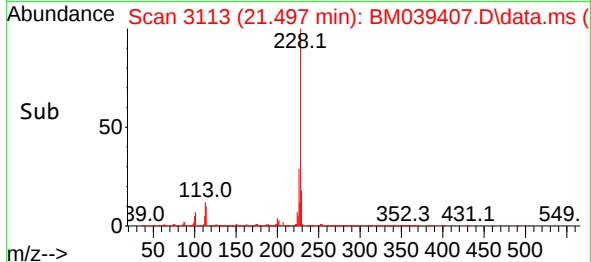
Instrument :
BNA_M
ClientSampleId :
JPP-1-040723



Tgt Ion:228 Resp: 2372180
Ion Ratio Lower Upper
228 100
226 29.6 24.1 36.1
229 22.1 15.5 23.3

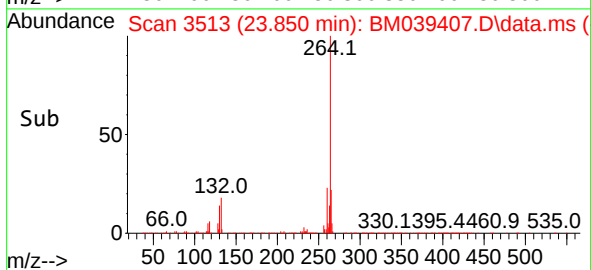
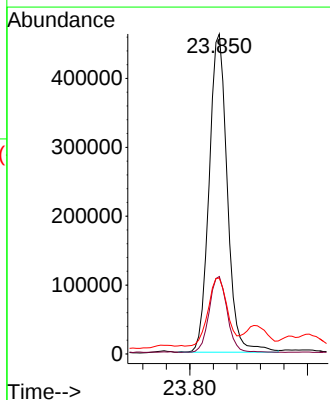
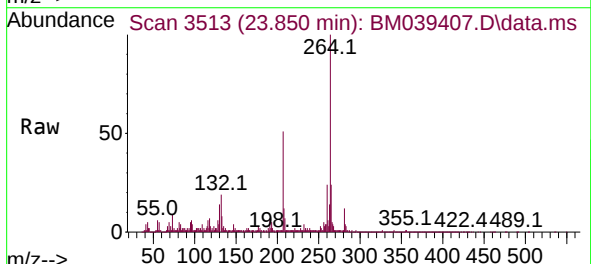
Manual Integrations
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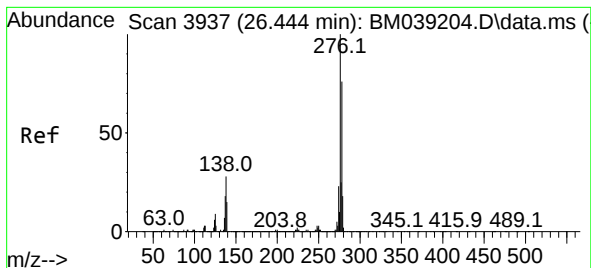
Reviewed By :Christian Giraldo 04/13/2023
Supervised By :Jagrut Upadhyay 04/13/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.850 min Scan# 3513
Delta R.T. -0.000 min
Lab File: BM039407.D
Acq: 12 Apr 2023 17:23

Tgt Ion:264 Resp: 989513
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.6
265 23.7 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 26.790 ng

RT: 26.326 min Scan# 3934

Delta R.T. -0.012 min

Lab File: BM039407.D

Acq: 12 Apr 2023 17:23

Instrument :

BNA_M

ClientSampleId :

JPP-1-040723

Tgt Ion:276 Resp: 1953189

Ion Ratio Lower Upper

276 100

138 23.4 22.2 33.2

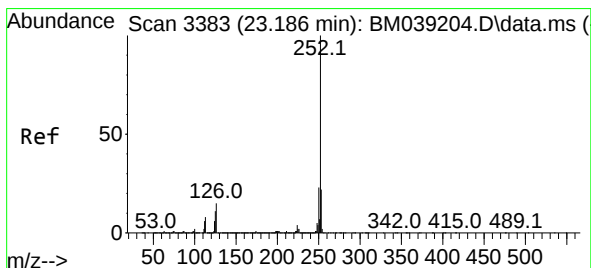
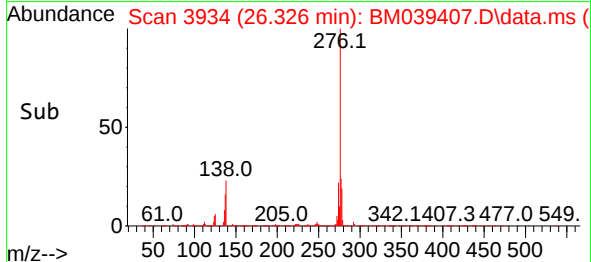
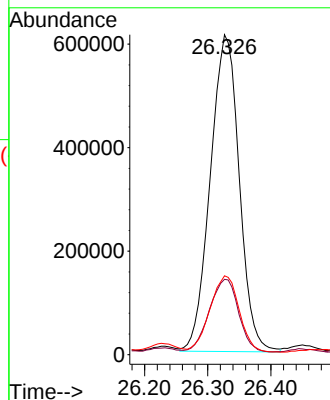
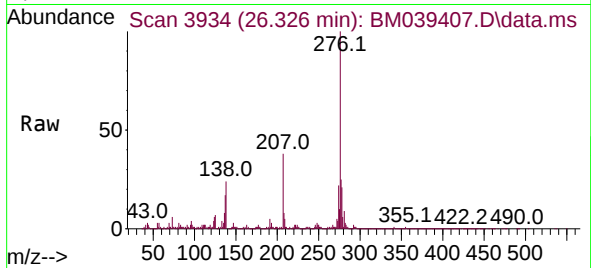
277 24.2 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/13/2023

Supervised By :Jagrut Upadhyay 04/13/2023



#88

Benzo(b)fluoranthene

Concen: 60.160 ng m

RT: 23.127 min Scan# 3390

Delta R.T. -0.000 min

Lab File: BM039407.D

Acq: 12 Apr 2023 17:23

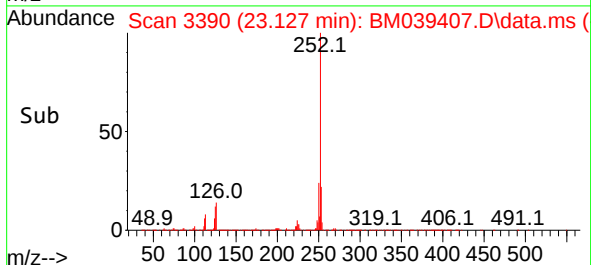
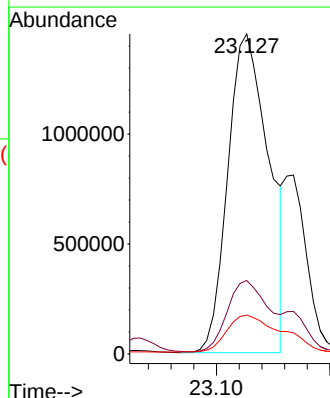
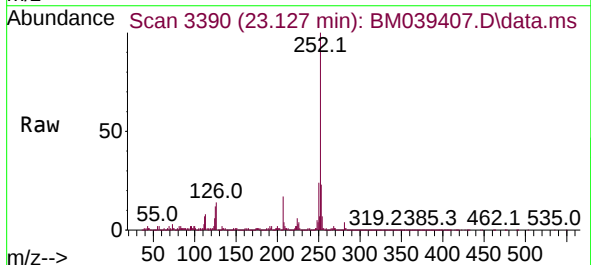
Tgt Ion:252 Resp: 3642488

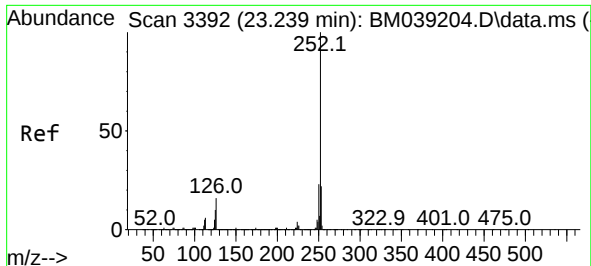
Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 12.1 9.0 13.6





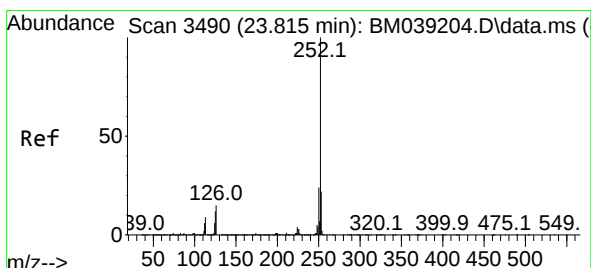
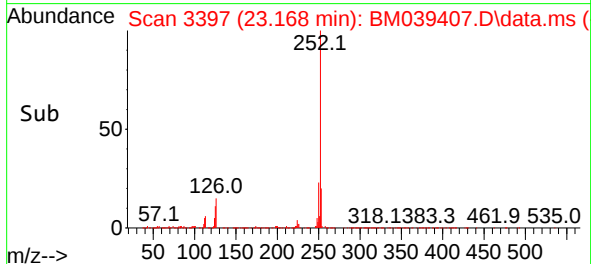
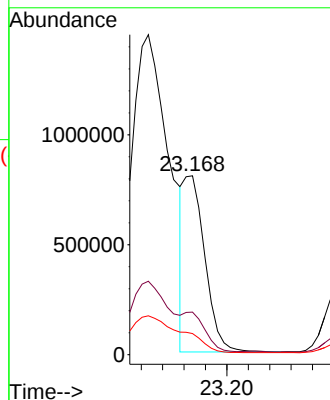
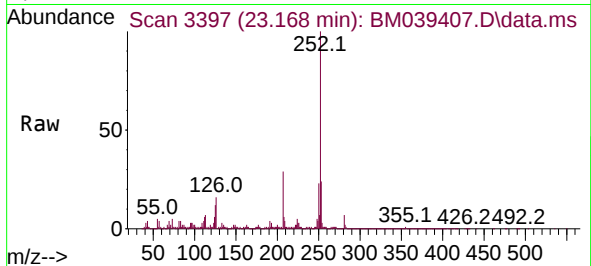
#89
Benzo(k)fluoranthene
Concen: 17.704 ng m
RT: 23.168 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039407.D
Acq: 12 Apr 2023 17:23

Instrument :
BNA_M
ClientSampleId :
JPP-1-040723

Tgt Ion:252 Resp: 109182
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 11.8 8.5 12.7

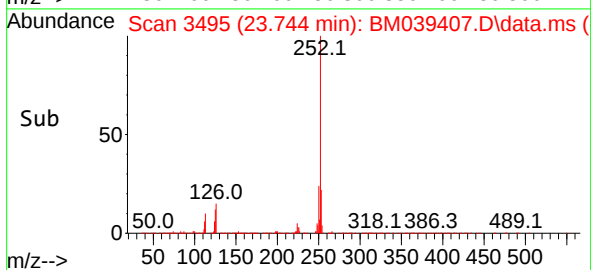
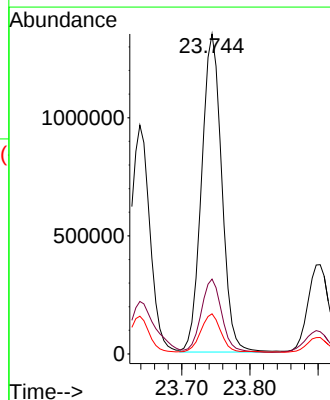
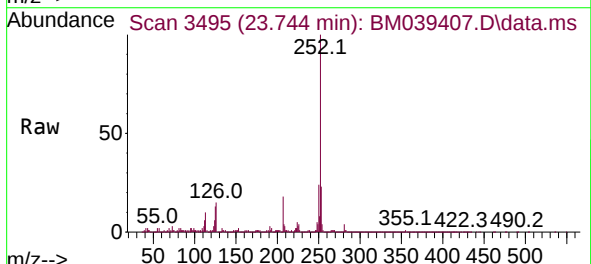
Manual Integrations
APPROVED

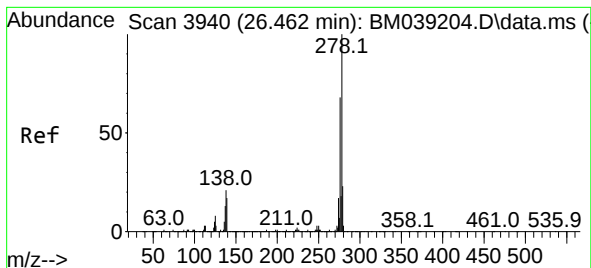
Reviewed By :Christian Giraldo 04/13/2023
Supervised By :Jagrut Upadhyay 04/13/2023



#90
Benzo(a)pyrene
Concen: 46.600 ng
RT: 23.744 min Scan# 3495
Delta R.T. -0.006 min
Lab File: BM039407.D
Acq: 12 Apr 2023 17:23

Tgt Ion:252 Resp: 2771704
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 12.5 9.8 14.6





#91

Dibenzo(a,h)anthracene

Concen: 7.572 ng m

RT: 26.338 min Scan# 3940

Delta R.T. -0.012 min

Lab File: BM039407.D

Acq: 12 Apr 2023 17:23

Instrument :

BNA_M

ClientSampleId :

JPP-1-040723

Tgt Ion: 278 Resp: 463574

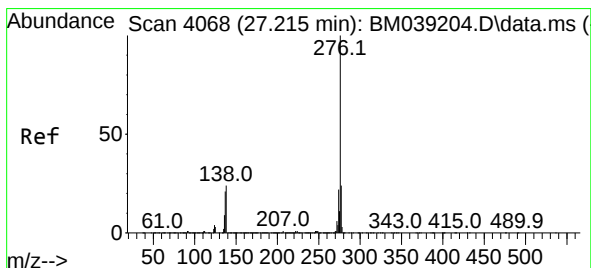
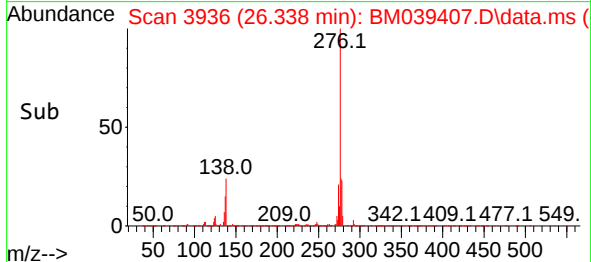
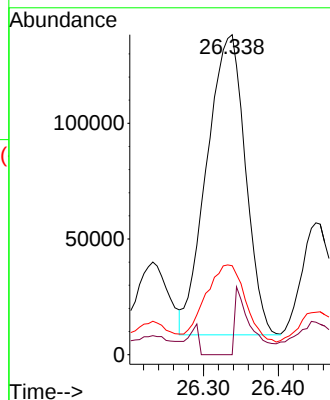
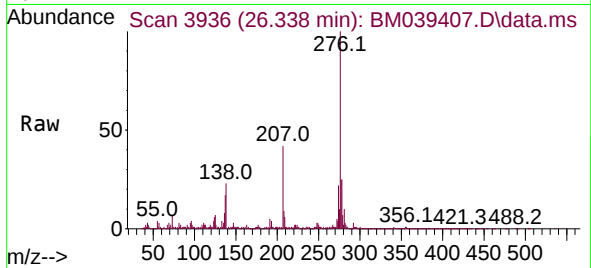
Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.9	20.9
279	27.8	18.8	28.2

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 04/13/2023

Supervised By : Jagrut Upadhyay 04/13/2023



#92

Benzo(g,h,i)perylene

Concen: 33.860 ng

RT: 27.091 min Scan# 4064

Delta R.T. -0.012 min

Lab File: BM039407.D

Acq: 12 Apr 2023 17:23

Tgt Ion: 276 Resp: 2038563

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.1	28.7
138	24.2	19.5	29.3

