

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041123\
 Data File : BM039399.D
 Acq On : 11 Apr 2023 18:37
 Operator : CG/JU
 Sample : 02262-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JPP-1-040723

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/12/2023
 Supervised By : Jagrut Upadhyay 04/12/2023

Quant Time: Apr 12 01:39:53 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	7.863	152	227065	20.000	ng	0.00
21) Naphthalene-d8	10.675	136	943686	20.000	ng	0.00
39) Acenaphthene-d10	14.516	164	561203	20.000	ng	0.00
64) Phenanthrene-d10	17.269	188	1162887	20.000	ng	0.00
76) Chrysene-d12	21.462	240	1092598	20.000	ng	0.00
86) Perylene-d12	23.856	264	1232068	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	555889	36.884	ng	0.00
7) Phenol-d6	7.040	99	719549	36.912	ng	0.00
23) Nitrobenzene-d5	9.034	82	427372	22.011	ng	0.00
42) 2,4,6-Tribromophenol	16.010	330	254890	35.779	ng	0.00
45) 2-Fluorobiphenyl	13.139	172	996567	24.060	ng	0.00
79) Terphenyl-d14	19.898	244	1453172	24.573	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.310	178	960539	15.082	ng	99
72) Anthracene	17.404	178	257723	3.968	ng	100
75) Fluoranthene	19.333	202	2068156	28.487	ng	100
78) Pyrene	19.698	202	2132540	27.417	ng	99
81) Benzo(a)anthracene	21.445	228	1174738	15.245	ng	98
83) Chrysene	21.498	228	1114708	14.985	ng	97
87) Indeno(1,2,3-cd)pyrene	26.333	276	796910	8.779	ng	96
88) Benzo(b)fluoranthene	23.127	252	1445135m	19.169	ng	
89) Benzo(k)fluoranthene	23.168	252	573201m	7.465	ng	
90) Benzo(a)pyrene	23.750	252	1198269	16.180	ng	97
91) Dibenzo(a,h)anthracene	26.339	278	193468	2.538	ng	# 79
92) Benzo(g,h,i)perylene	27.097	276	863077	11.513	ng	99

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

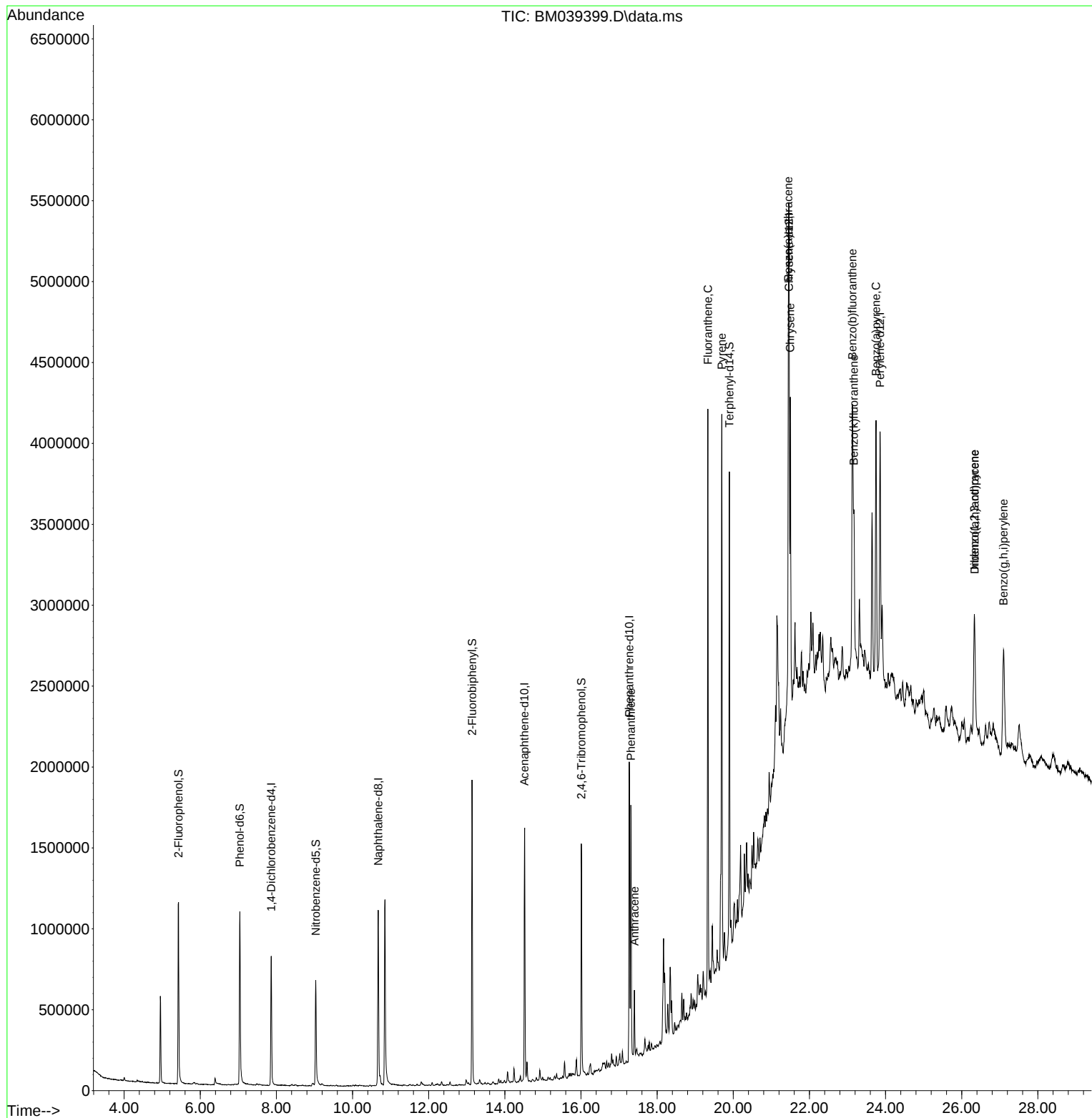
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041123\
Data File : BM039399.D
Acq On : 11 Apr 2023 18:37
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Sample : 02262-07
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ALS Vial : 12 Sample Multiplier: 1

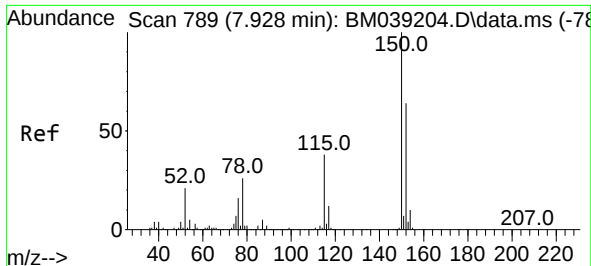
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
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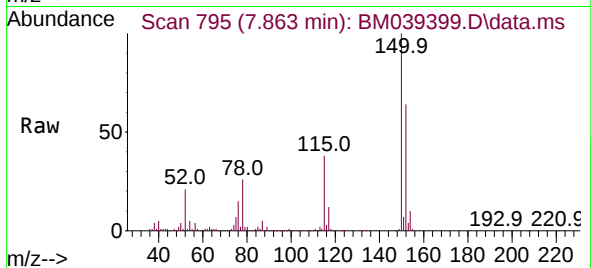
Reviewed By : Christian Giraldo 04/12/2023
Supervised By : Jagrut Upadhyay 04/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM039399.D
Acq: 11 Apr 2023 18:37

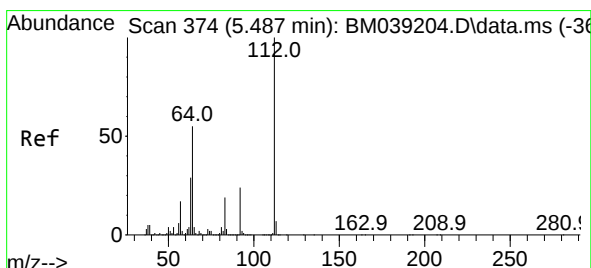
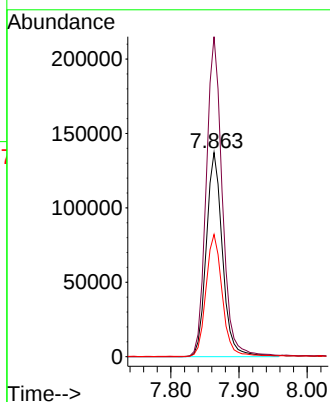
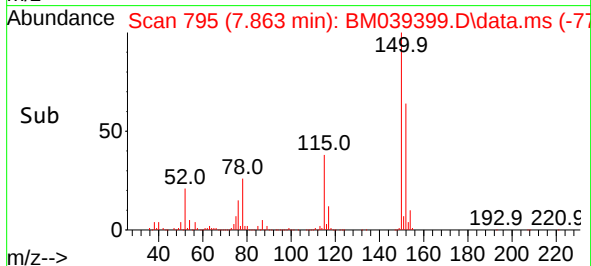
Instrument :
BNA_M
ClientSampleId :
JPP-1-040723



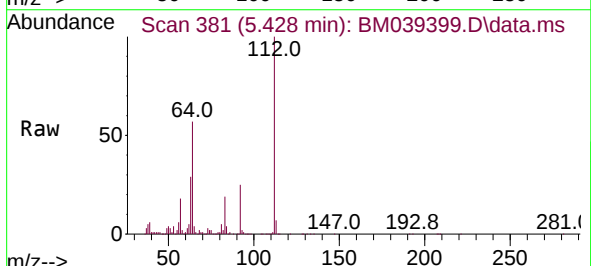
Tgt Ion:152 Resp: 227065
Ion Ratio Lower Upper
152 100
150 156.8 125.5 188.3
115 59.9 48.1 72.1

Manual Integrations
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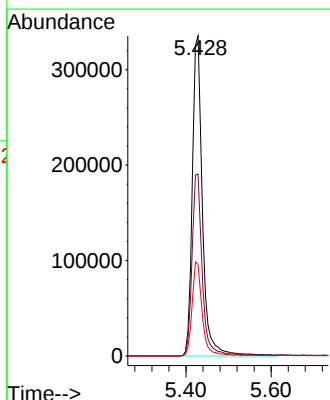
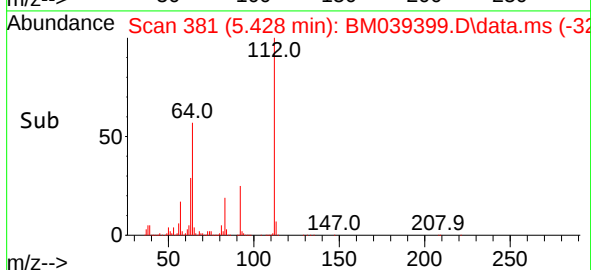
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

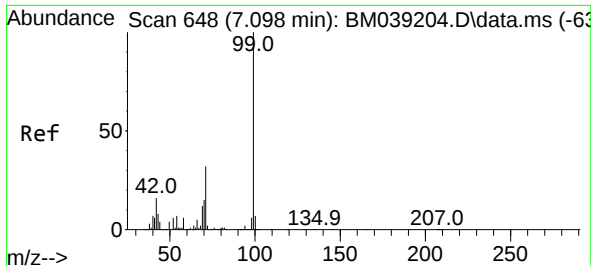


#5
2-Fluorophenol
Concen: 36.884 ng
RT: 5.428 min Scan# 381
Delta R.T. 0.006 min
Lab File: BM039399.D
Acq: 11 Apr 2023 18:37



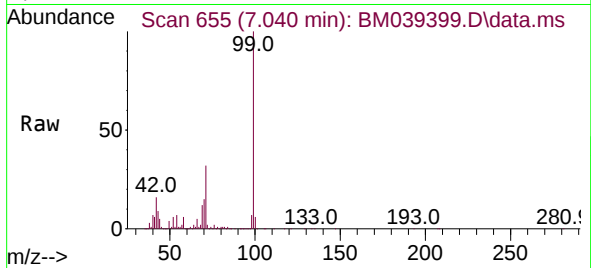
Tgt Ion:112 Resp: 555889
Ion Ratio Lower Upper
112 100
64 56.9 44.3 66.5
63 28.6 23.0 34.6





#7
Phenol-d6
Concen: 36.912 ng
RT: 7.040 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM039399.D
Acq: 11 Apr 2023 18:37

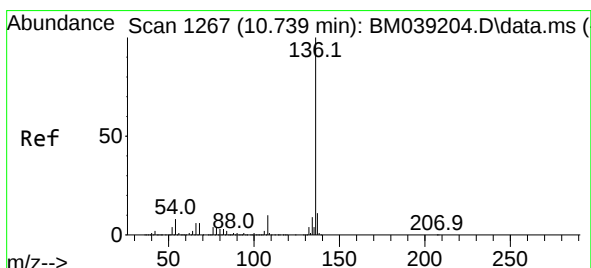
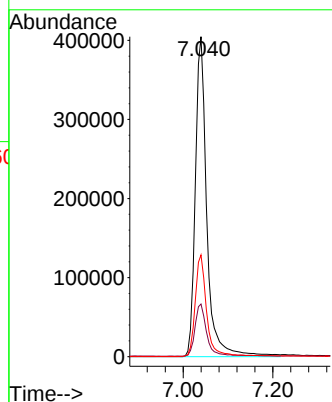
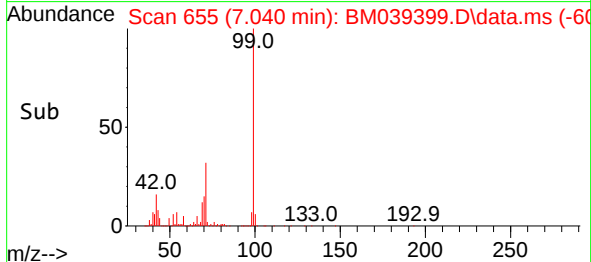
Instrument :
BNA_M
ClientSampleId :
JPP-1-040723



Tgt Ion: 99 Resp: 719549
Ion Ratio Lower Upper
99 100
42 16.5 13.0 19.6
71 31.8 25.5 38.3

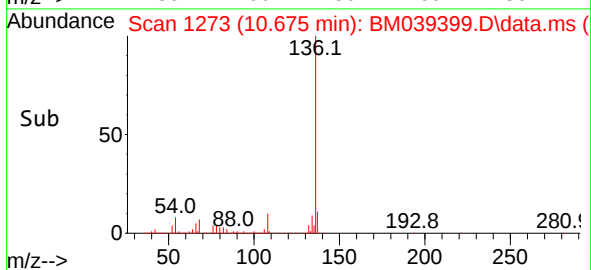
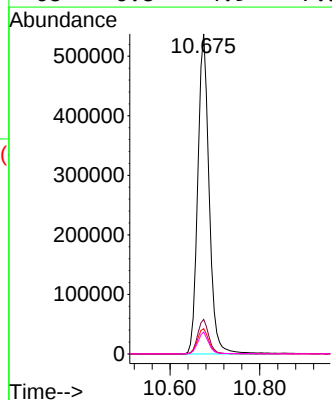
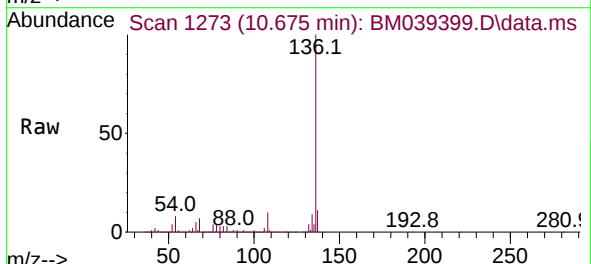
Manual Integrations
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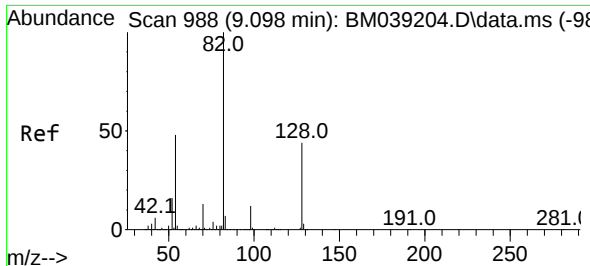
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.675 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BM039399.D
Acq: 11 Apr 2023 18:37

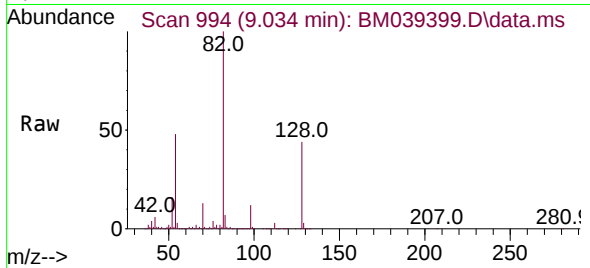
Tgt Ion:136 Resp: 943686
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.9 6.2 9.4
68 6.8 4.9 7.3





#23
Nitrobenzene-d5
Concen: 22.011 ng
RT: 9.034 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM039399.D
Acq: 11 Apr 2023 18:37

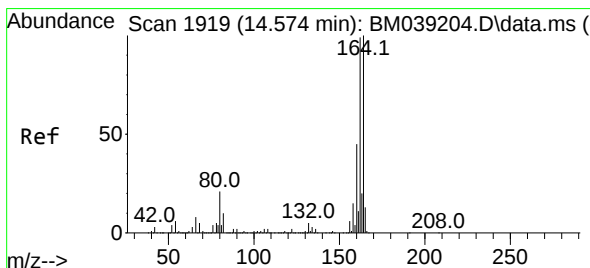
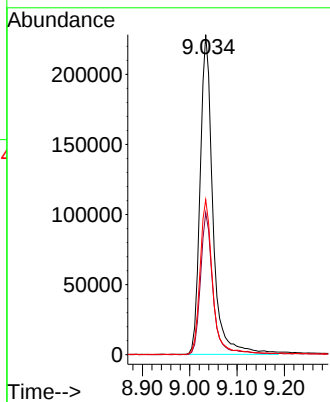
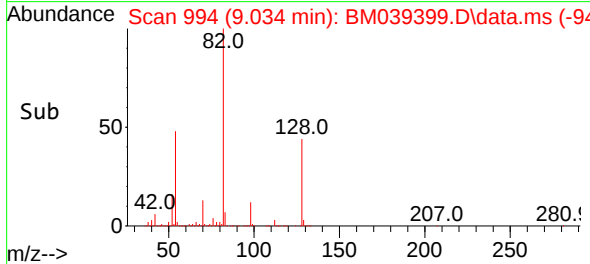
Instrument :
BNA_M
ClientSampleId :
JPP-1-040723



Tgt Ion: 82 Resp: 427372
Ion Ratio Lower Upper
82 100
128 44.3 35.1 52.7
54 48.4 38.5 57.7

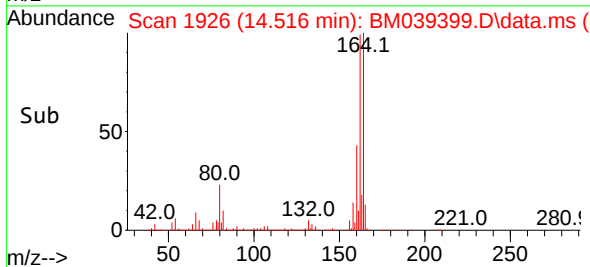
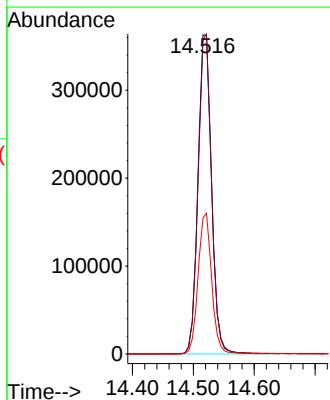
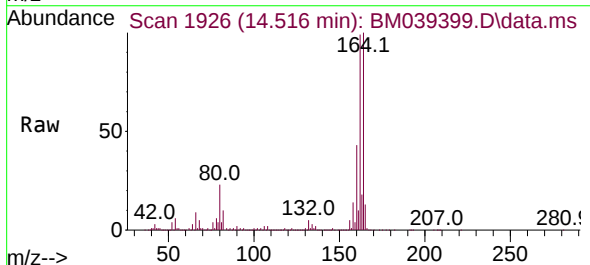
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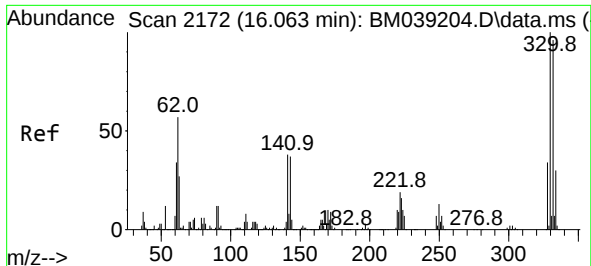
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.516 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BM039399.D
Acq: 11 Apr 2023 18:37

Tgt Ion:164 Resp: 561203
Ion Ratio Lower Upper
164 100
162 98.6 79.1 118.7
160 42.7 35.8 53.8





#42
2,4,6-Tribromophenol
Concen: 35.779 ng
RT: 16.010 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BM039399.D
Acq: 11 Apr 2023 18:37

Instrument :

BNA_M

ClientSampleId :

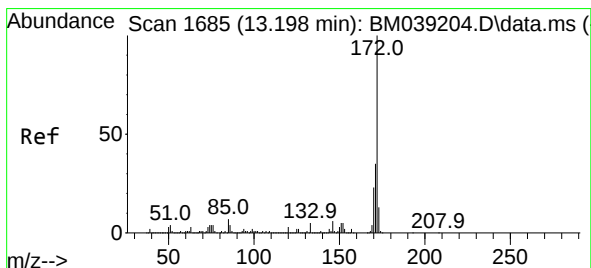
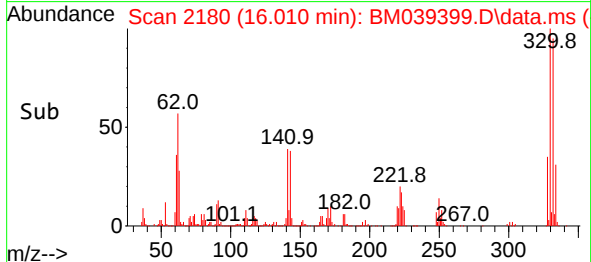
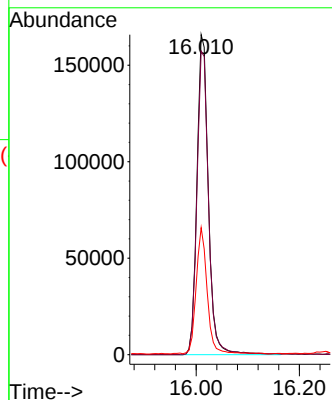
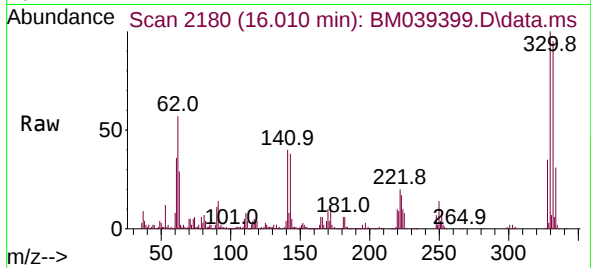
JPP-1-040723

Tgt Ion:330 Resp: 254890
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.0
141 37.9 29.8 44.6

Manual Integrations

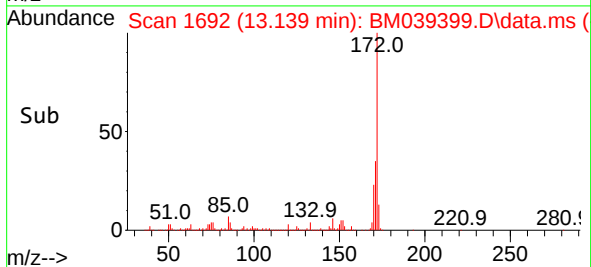
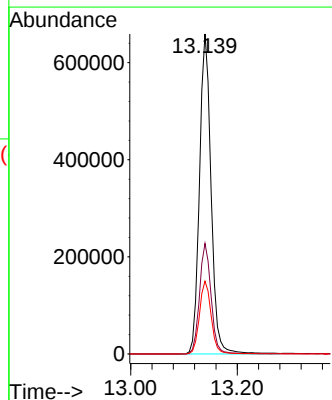
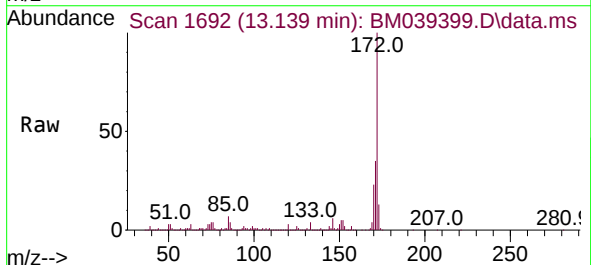
APPROVED

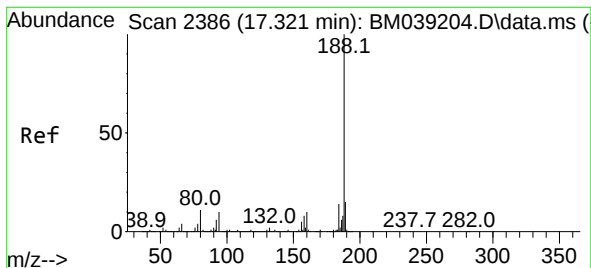
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#45
2-Fluorobiphenyl
Concen: 24.060 ng
RT: 13.139 min Scan# 1692
Delta R.T. 0.000 min
Lab File: BM039399.D
Acq: 11 Apr 2023 18:37

Tgt Ion:172 Resp: 996567
Ion Ratio Lower Upper
172 100
171 34.5 28.0 42.0
170 22.8 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.269 min Scan# 2400

Delta R.T. 0.000 min

Lab File: BM039399.D

Acq: 11 Apr 2023 18:37

Instrument :

BNA_M

ClientSampleId :

JPP-1-040723

Tgt Ion:188 Resp: 116288

Ion Ratio Lower Upper

188 100

94 10.3 8.2 12.4

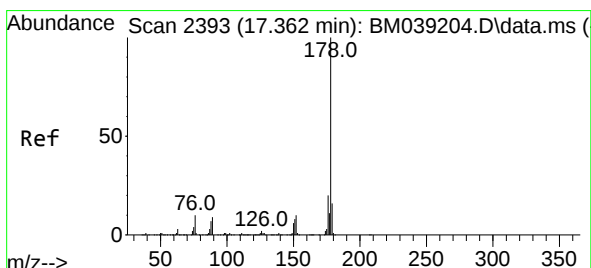
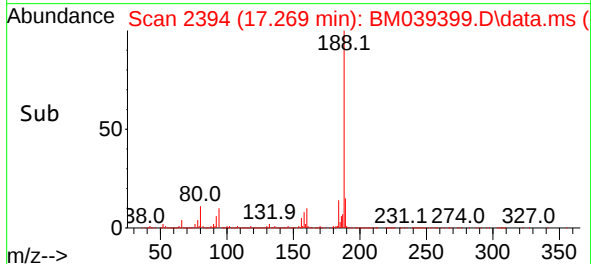
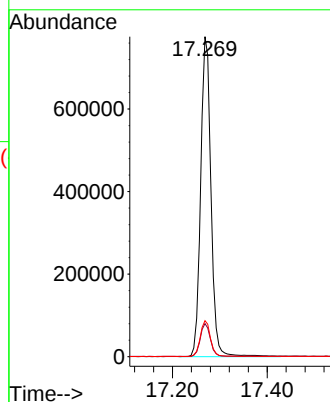
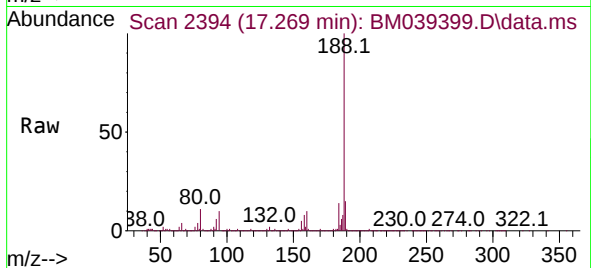
80 11.3 8.9 13.3

Manual Integrations

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Reviewed By :Christian Giraldo 04/12/2023

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#71

Phenanthrene

Concen: 15.082 ng

RT: 17.310 min Scan# 2401

Delta R.T. 0.000 min

Lab File: BM039399.D

Acq: 11 Apr 2023 18:37

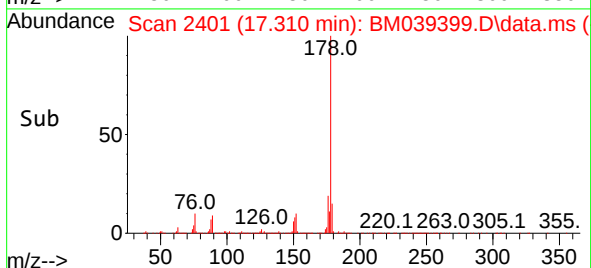
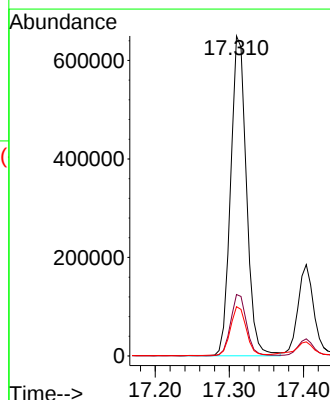
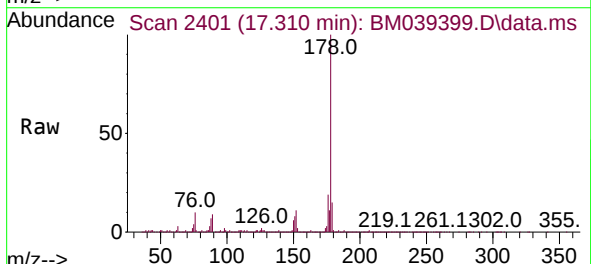
Tgt Ion:178 Resp: 960539

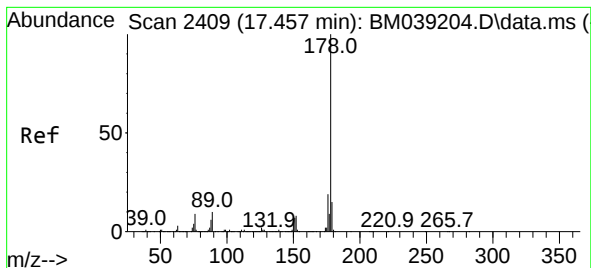
Ion Ratio Lower Upper

178 100

176 19.2 15.7 23.5

179 15.4 12.4 18.6





#72

Anthracene

Concen: 3.968 ng

RT: 17.404 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM039399.D

Acq: 11 Apr 2023 18:37

Instrument :

BNA_M

ClientSampleId :

JPP-1-040723

Tgt Ion:178 Resp: 25772

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

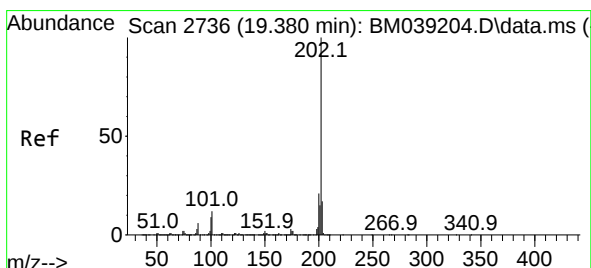
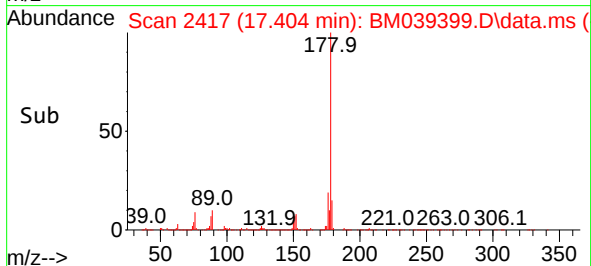
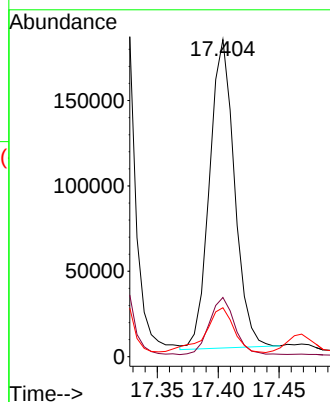
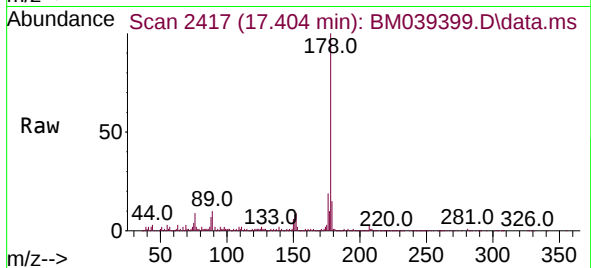
179 15.4 12.2 18.2

Manual Integrations

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Reviewed By :Christian Giraldo 04/12/2023

Supervised By :Jagrut Upadhyay 04/12/2023



#75

Fluoranthene

Concen: 28.487 ng

RT: 19.333 min Scan# 2745

Delta R.T. 0.000 min

Lab File: BM039399.D

Acq: 11 Apr 2023 18:37

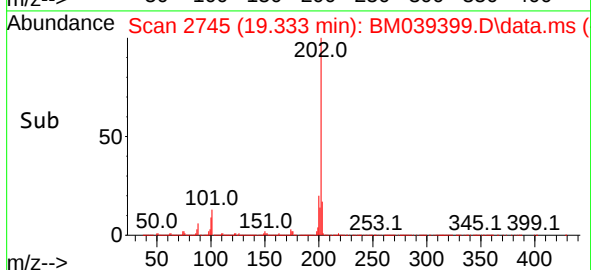
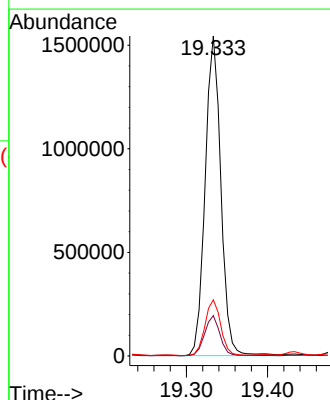
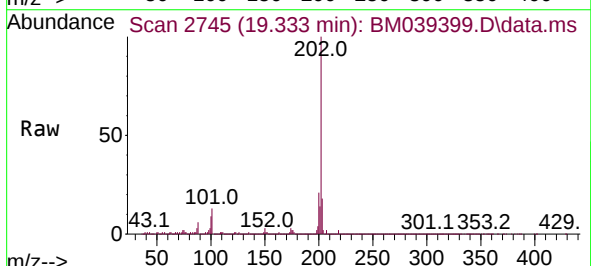
Tgt Ion:202 Resp: 2068156

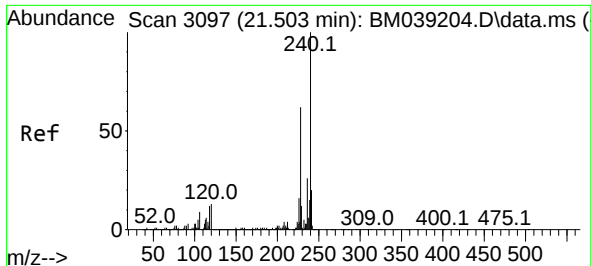
Ion Ratio Lower Upper

202 100

101 12.6 0.0 32.5

203 17.6 0.0 37.5





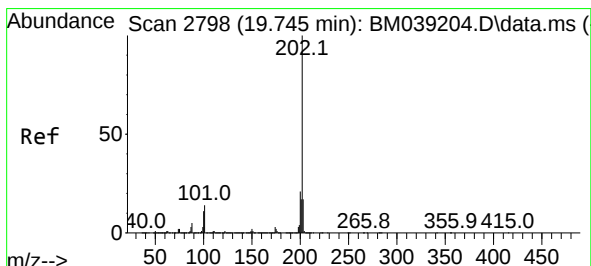
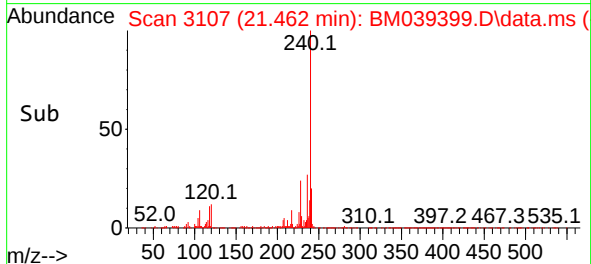
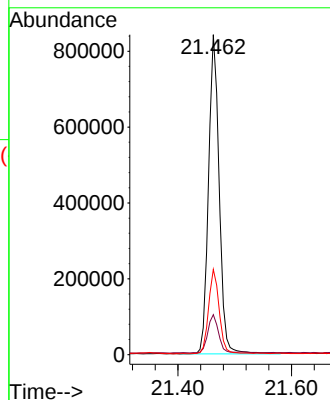
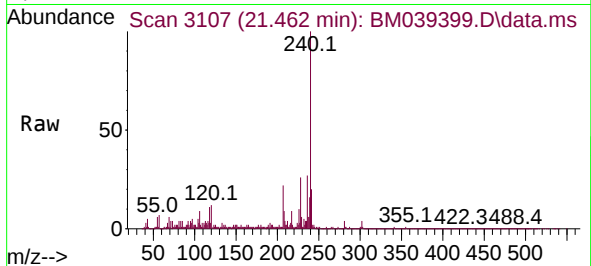
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.462 min Scan# 3107
Delta R.T. 0.000 min
Lab File: BM039399.D
Acq: 11 Apr 2023 18:37

Instrument :
BNA_M
ClientSampleId :
JPP-1-040723

Tgt Ion:240 Resp: 1092598
Ion Ratio Lower Upper
240 100
120 12.5 10.2 15.2
236 26.6 20.9 31.3

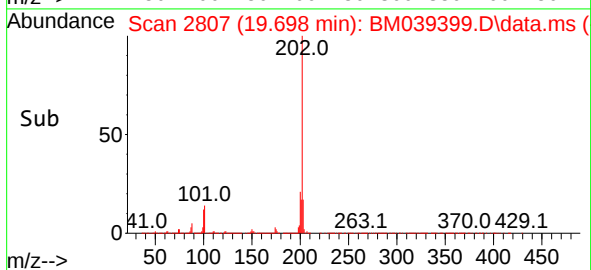
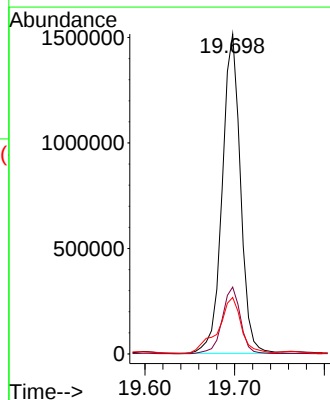
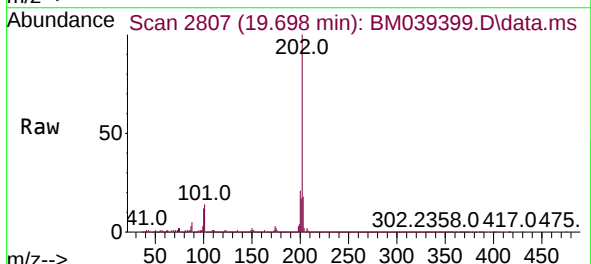
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APPROVED

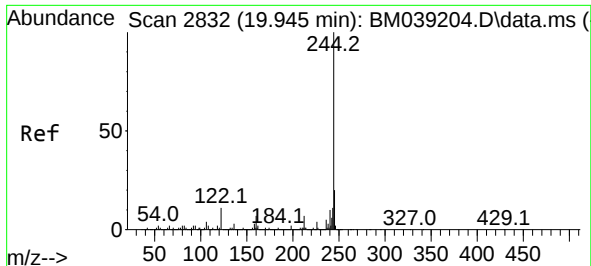
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#78
Pyrene
Concen: 27.417 ng
RT: 19.698 min Scan# 2807
Delta R.T. 0.000 min
Lab File: BM039399.D
Acq: 11 Apr 2023 18:37

Tgt Ion:202 Resp: 2132540
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 17.7 13.9 20.9





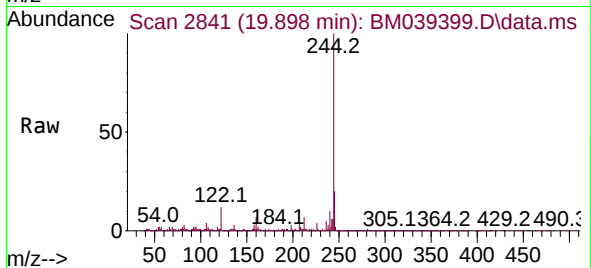
#79
 Terphenyl-d14
 Concen: 24.573 ng
 RT: 19.898 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM039399.D
 Acq: 11 Apr 2023 18:37

Instrument :

BNA_M

ClientSampleId :

JPP-1-040723

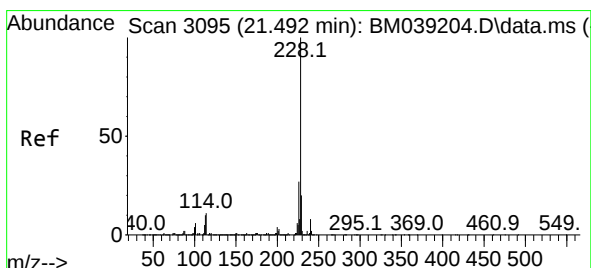
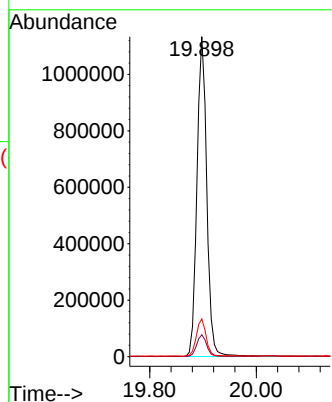
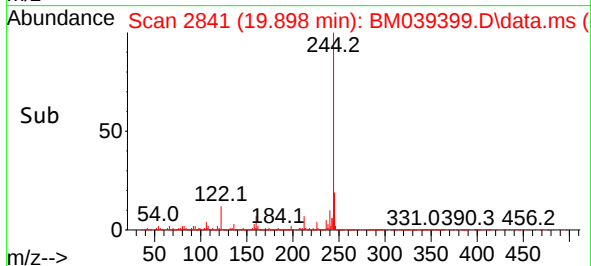


Tgt Ion:244 Resp: 1453172
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 11.8 9.1 13.7

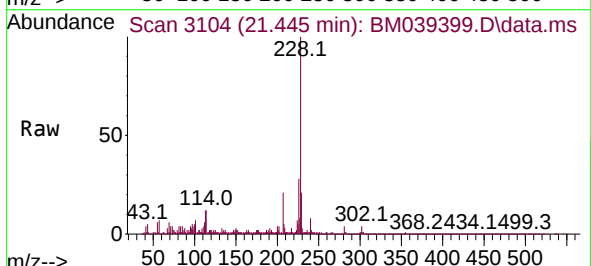
Manual Integrations

APPROVED

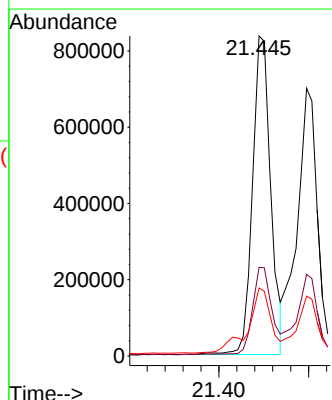
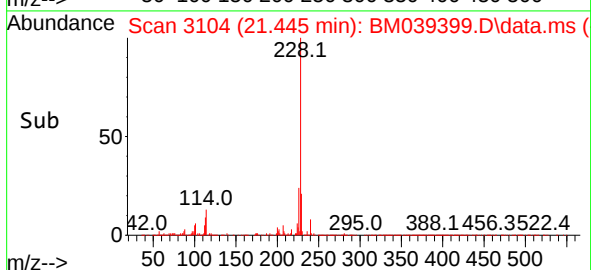
Reviewed By :Christian Giraldo 04/12/2023
 Supervised By :Jagrut Upadhyay 04/12/2023

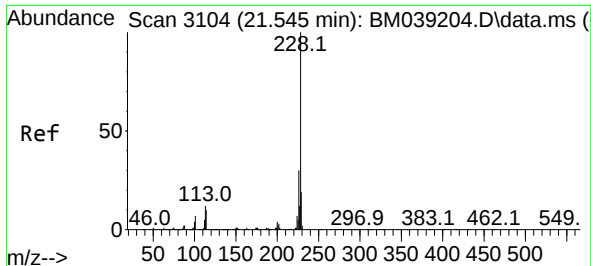


#81
 Benzo(a)anthracene
 Concen: 15.245 ng
 RT: 21.445 min Scan# 3104
 Delta R.T. 0.000 min
 Lab File: BM039399.D
 Acq: 11 Apr 2023 18:37



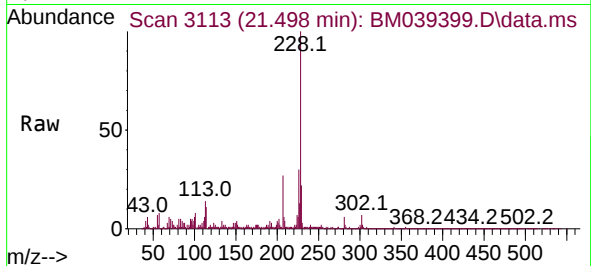
Tgt Ion:228 Resp: 1174738
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.9 32.9
 229 21.3 15.8 23.6





#83
Chrysene
Concen: 14.985 ng
RT: 21.498 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BM039399.D
Acq: 11 Apr 2023 18:37

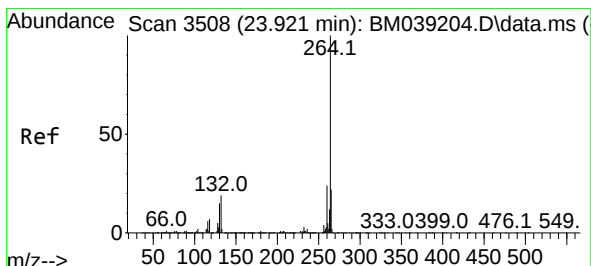
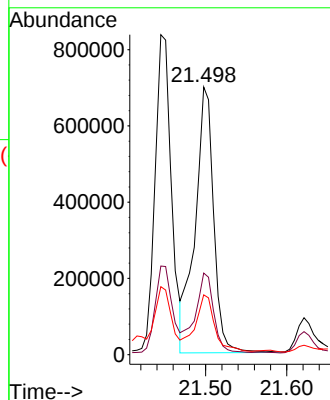
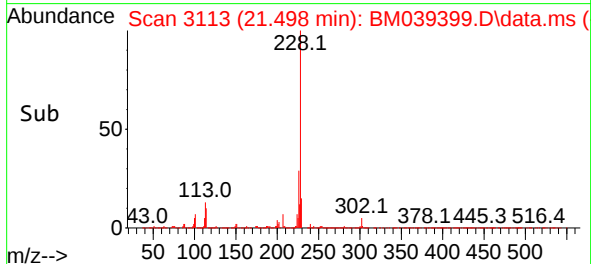
Instrument :
BNA_M
ClientSampleId :
JPP-1-040723



Tgt Ion:228 Resp: 1114708
Ion Ratio Lower Upper
228 100
226 30.5 24.1 36.1
229 22.3 15.5 23.3

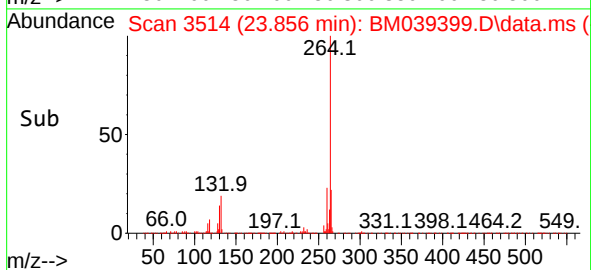
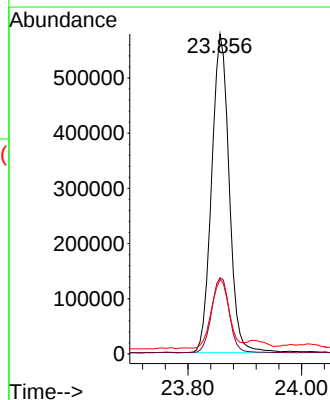
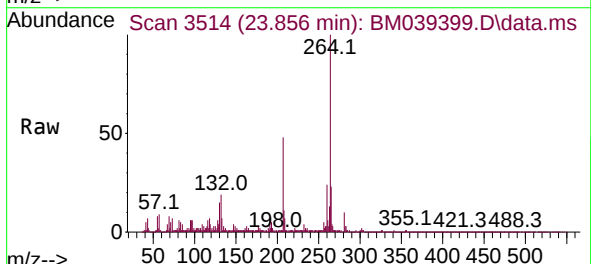
Manual Integrations
APPROVED

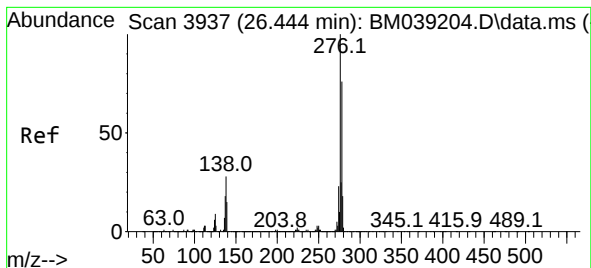
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.856 min Scan# 3514
Delta R.T. 0.006 min
Lab File: BM039399.D
Acq: 11 Apr 2023 18:37

Tgt Ion:264 Resp: 1232068
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.6
265 23.3 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.779 ng

RT: 26.333 min Scan# 3937

Delta R.T. -0.006 min

Lab File: BM039399.D

Acq: 11 Apr 2023 18:37

Instrument :

BNA_M

ClientSampleId :

JPP-1-040723

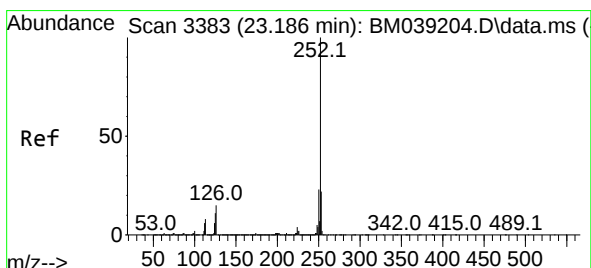
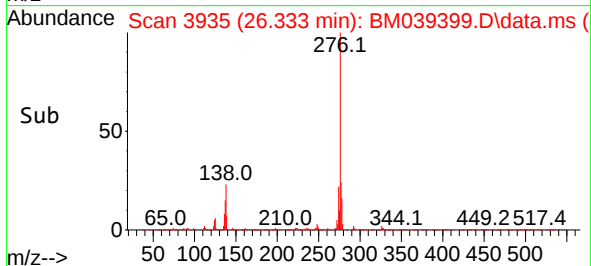
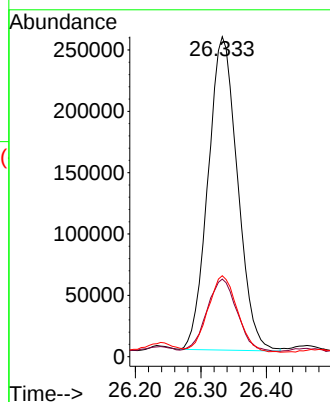
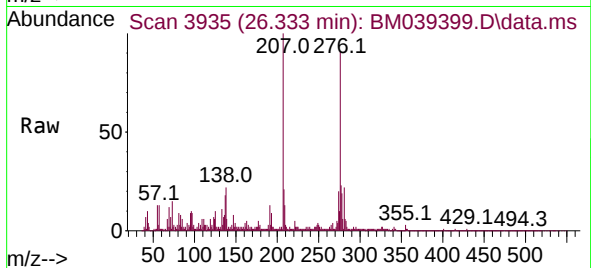
Tgt Ion:	276	Resp:	796910
Ion Ratio	Lower	Upper	
276	100		
138	24.1	22.2	33.2
277	24.6	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/12/2023

Supervised By :Jagrut Upadhyay 04/12/2023



#88

Benzo(b)fluoranthene

Concen: 19.169 ng m

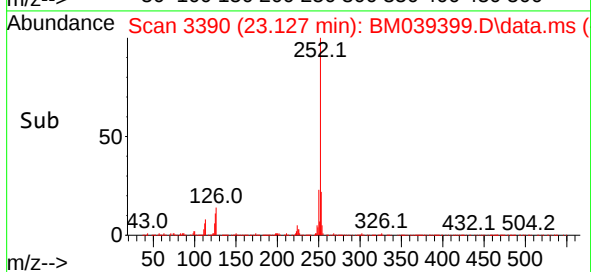
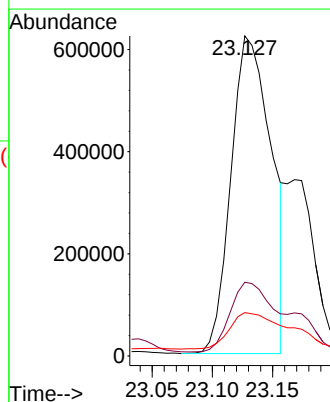
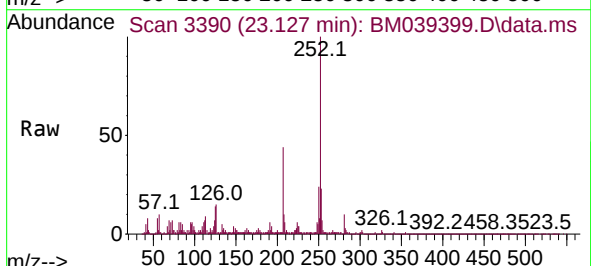
RT: 23.127 min Scan# 3390

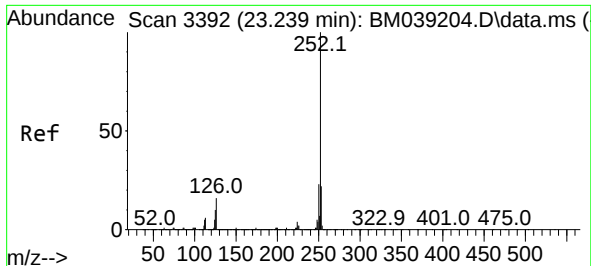
Delta R.T. 0.000 min

Lab File: BM039399.D

Acq: 11 Apr 2023 18:37

Tgt Ion:	252	Resp:	1445135
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.6	26.4
125	13.5	9.0	13.6





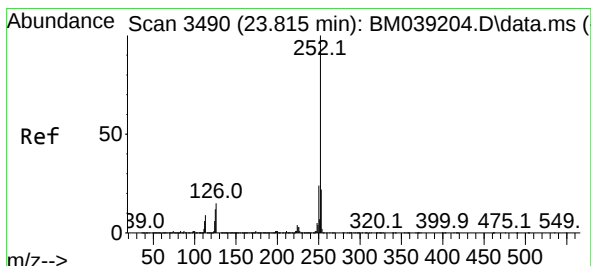
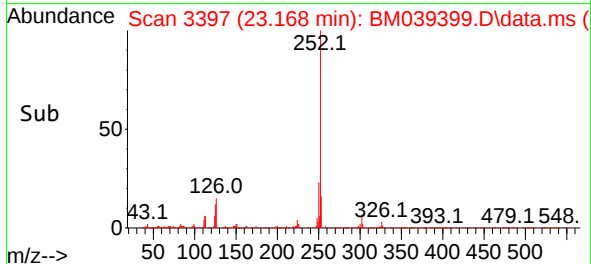
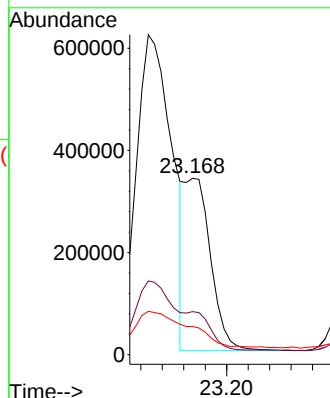
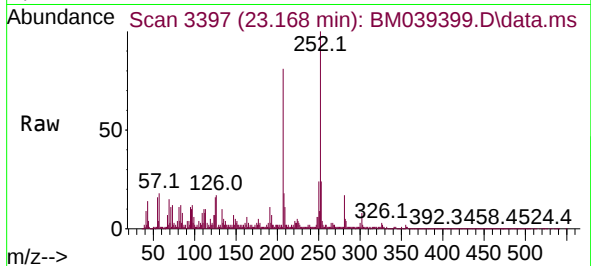
#89
Benzo(k)fluoranthene
Concen: 7.465 ng m
RT: 23.168 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039399.D
Acq: 11 Apr 2023 18:37

Instrument :
BNA_M
ClientSampleId :
JPP-1-040723

Tgt Ion:252 Resp: 57320
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.8
125 16.0 8.5 12.7

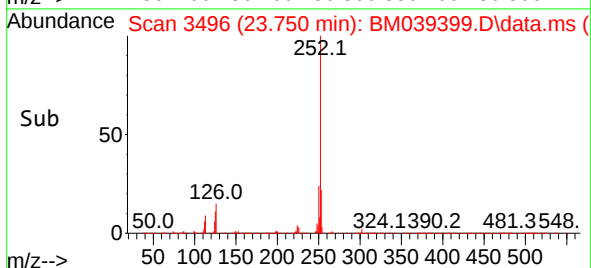
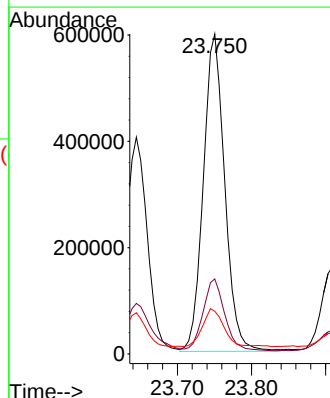
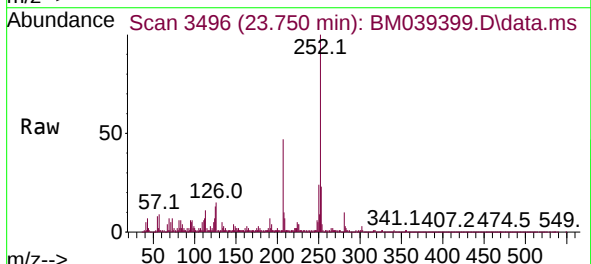
Manual Integrations
APPROVED

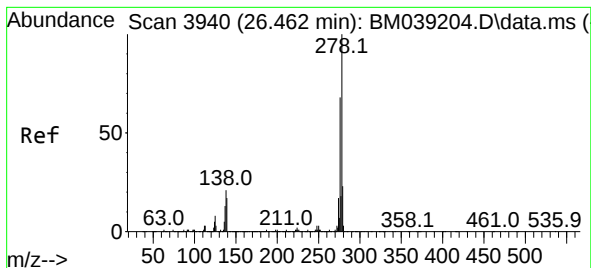
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#90
Benzo(a)pyrene
Concen: 16.180 ng
RT: 23.750 min Scan# 3496
Delta R.T. 0.000 min
Lab File: BM039399.D
Acq: 11 Apr 2023 18:37

Tgt Ion:252 Resp: 1198269
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 13.4 9.8 14.6





#91

Dibenzo(a,h)anthracene

Concen: 2.538 ng

RT: 26.339 min Scan# 3940

Delta R.T. -0.011 min

Lab File: BM039399.D

Acq: 11 Apr 2023 18:37

Instrument :

BNA_M

ClientSampleId :

JPP-1-040723

Tgt Ion: 278 Resp: 19346

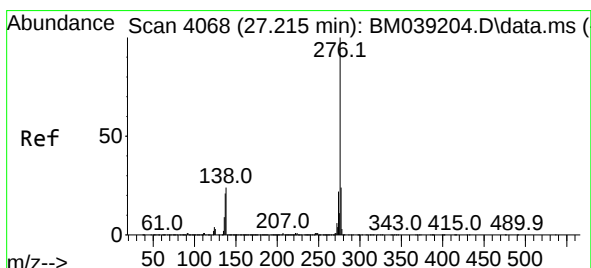
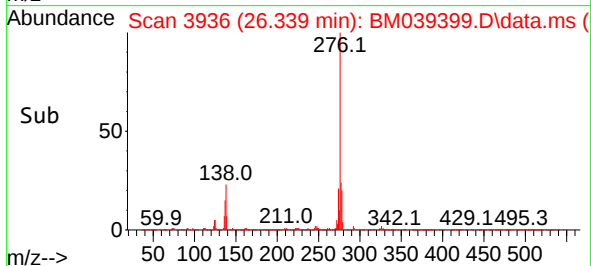
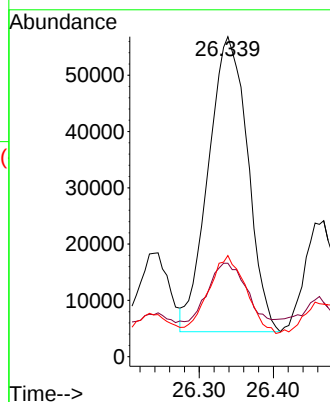
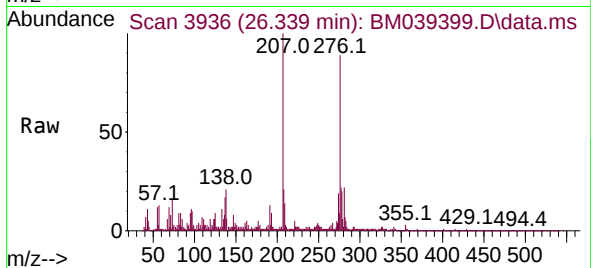
Ion	Ratio	Lower	Upper
278	100		
139	29.2	13.9	20.9
279	31.6	18.8	28.2

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 04/12/2023

Supervised By : Jagrut Upadhyay 04/12/2023



#92

Benzo(g,h,i)perylene

Concen: 11.513 ng

RT: 27.097 min Scan# 4065

Delta R.T. -0.006 min

Lab File: BM039399.D

Acq: 11 Apr 2023 18:37

Tgt Ion: 276 Resp: 863077

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.1	28.7
138	24.6	19.5	29.3

