

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041123\
 Data File : BM039397.D
 Acq On : 11 Apr 2023 17:21
 Operator : CG/JU
 Sample : 02262-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JPP-3A-040723

Manual Integrations
 APPROVED

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

Quant Time: Apr 12 01:39:11 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	231435	20.000	ng	0.00
21) Naphthalene-d8	10.675	136	950356	20.000	ng	0.00
39) Acenaphthene-d10	14.516	164	569002	20.000	ng	0.00
64) Phenanthrene-d10	17.268	188	1149111	20.000	ng	0.00
76) Chrysene-d12	21.462	240	1079511	20.000	ng	0.00
86) Perylene-d12	23.856	264	1214134	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1368033	89.057	ng	0.00
7) Phenol-d6	7.040	99	1815443	91.372	ng	0.00
23) Nitrobenzene-d5	9.034	82	1057369	54.075	ng	0.00
42) 2,4,6-Tribromophenol	16.010	330	616630	85.371	ng	0.00
45) 2-Fluorobiphenyl	13.139	172	2255169	53.700	ng	0.00
79) Terphenyl-d14	19.898	244	2980842	51.016	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.310	178	564741	8.973	ng	99
72) Anthracene	17.404	178	133468	2.080	ng	99
75) Fluoranthene	19.333	202	1108875	15.457	ng	99
78) Pyrene	19.698	202	1074345	13.980	ng	99
81) Benzo(a)anthracene	21.445	228	632587	8.309	ng	97
83) Chrysene	21.498	228	567176m	7.717	ng	
84) Bis(2-ethylhexyl)phtha...	21.374	149	156470	3.009	ng	99
87) Indeno(1,2,3-cd)pyrene	26.327	276	390244	4.362	ng	95
88) Benzo(b)fluoranthene	23.127	252	799816m	10.766	ng	
89) Benzo(k)fluoranthene	23.168	252	246242m	3.254	ng	
90) Benzo(a)pyrene	23.750	252	586321	8.034	ng	# 95
92) Benzo(g,h,i)perylene	27.097	276	382595	5.179	ng	98

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

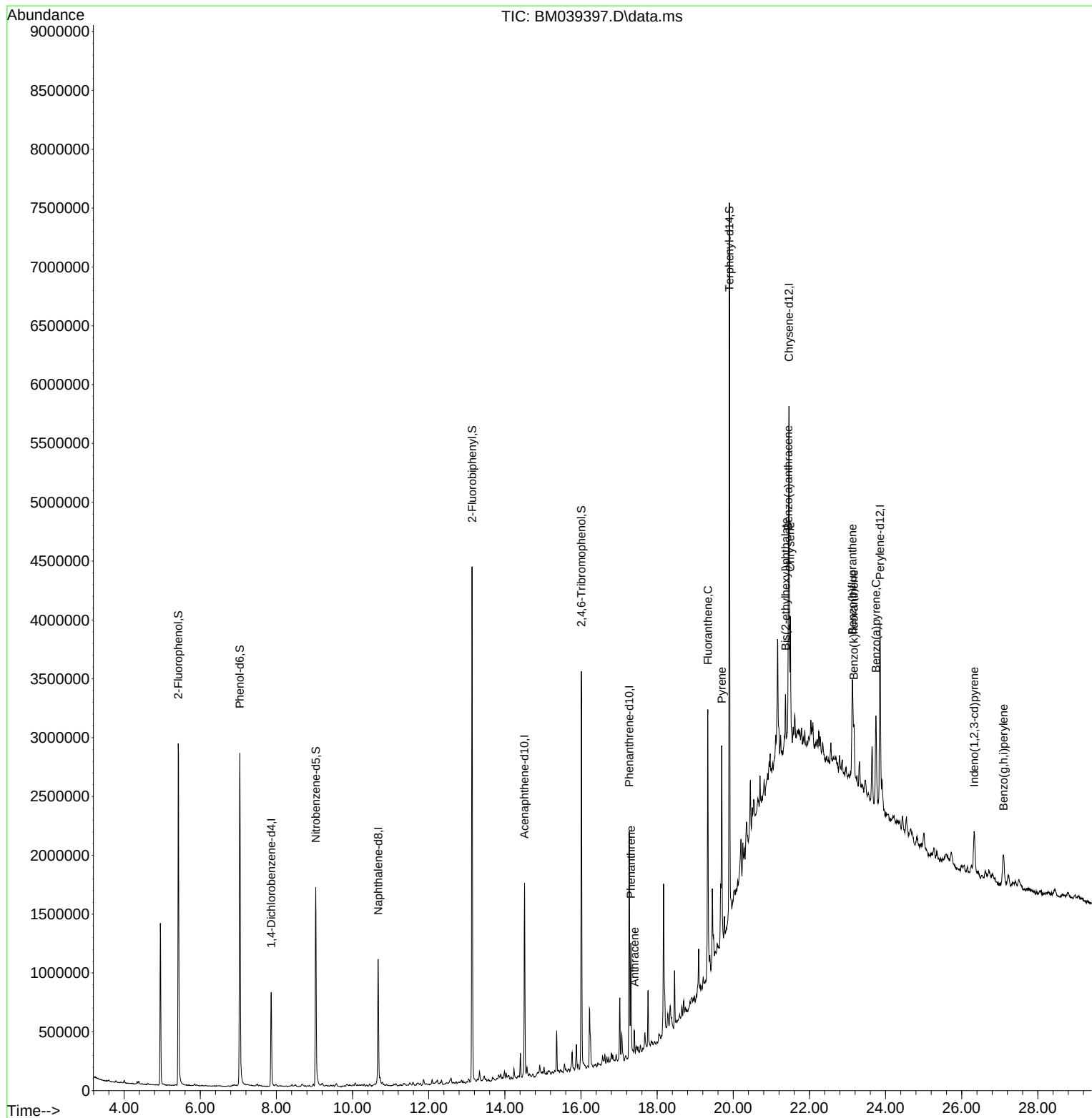
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041123\
Data File : BM039397.D
Acq On : 11 Apr 2023 17:21
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ALS Vial : 10 Sample Multiplier: 1

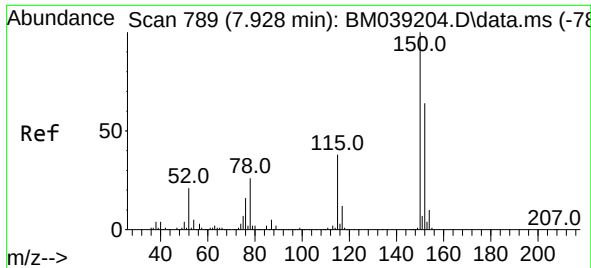
Instrument :
BNA_M
ClientSampleId :
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Quant Time: Apr 12 01:39:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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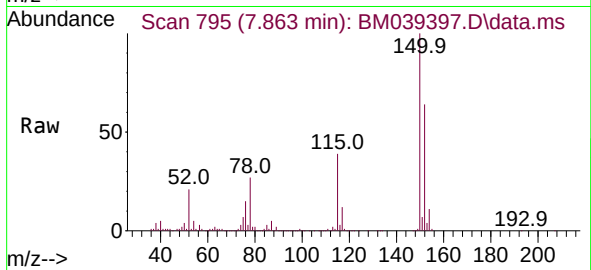
Reviewed By : Christian Giraldo 04/12/2023
Supervised By : Jagrut Upadhyay 04/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 795
Delta R.T. 0.000 min
Lab File: BM039397.D
Acq: 11 Apr 2023 17:21

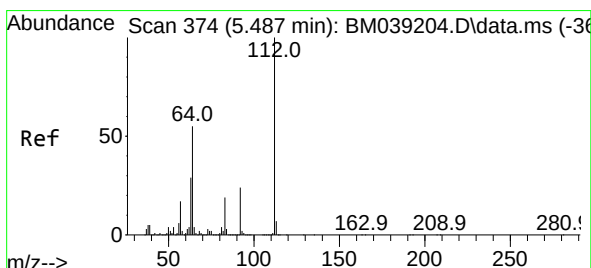
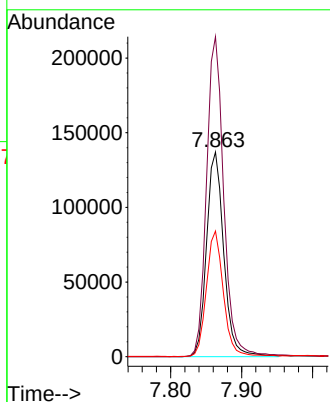
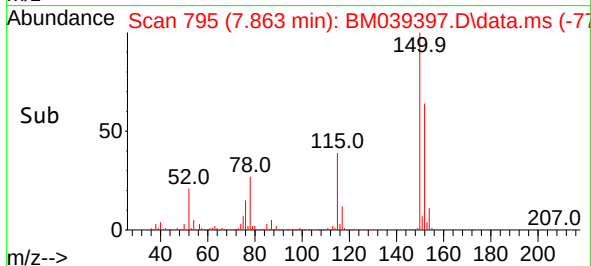
Instrument :
BNA_M
ClientSampleId :
JPP-3A-040723



Tgt Ion:152 Resp: 231435
Ion Ratio Lower Upper
152 100
150 156.3 125.5 188.3
115 61.4 48.1 72.1

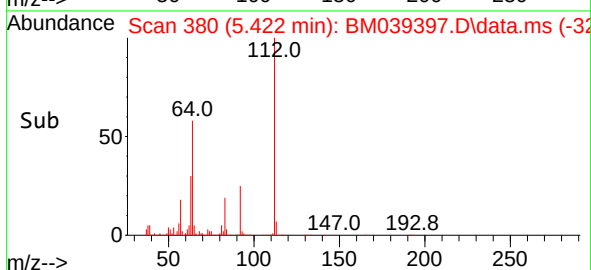
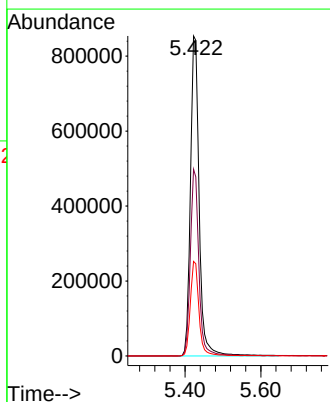
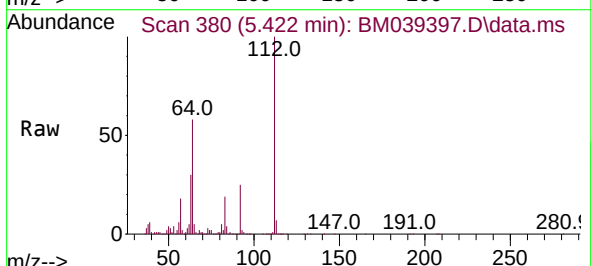
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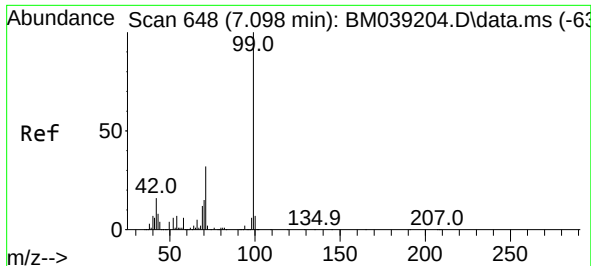
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#5
2-Fluorophenol
Concen: 89.057 ng
RT: 5.422 min Scan# 380
Delta R.T. 0.000 min
Lab File: BM039397.D
Acq: 11 Apr 2023 17:21

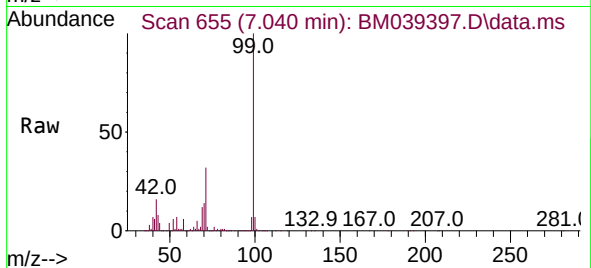
Tgt Ion:112 Resp: 1368033
Ion Ratio Lower Upper
112 100
64 58.3 44.3 66.5
63 29.6 23.0 34.6





#7
Phenol-d6
Concen: 91.372 ng
RT: 7.040 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM039397.D
Acq: 11 Apr 2023 17:21

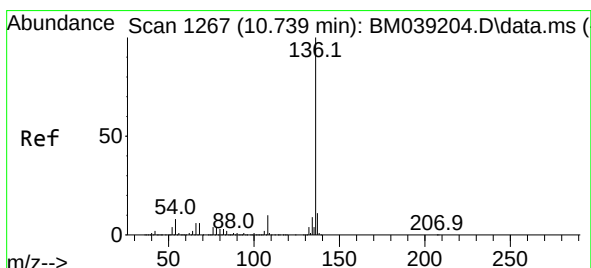
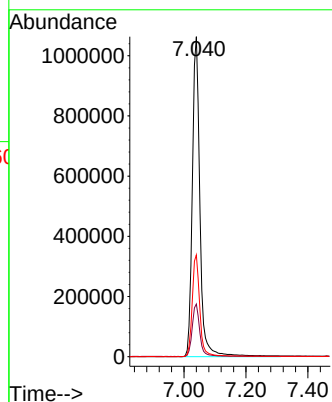
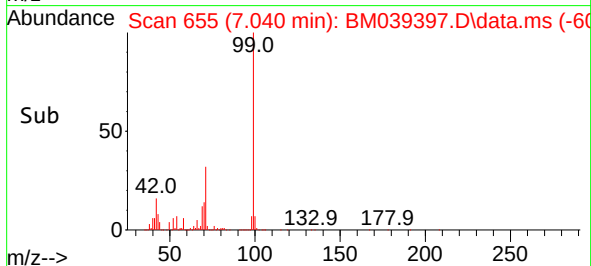
Instrument :
BNA_M
ClientSampleId :
JPP-3A-040723



Tgt Ion: 99 Resp: 181544
Ion Ratio Lower Upper
99 100
42 16.4 13.0 19.6
71 31.8 25.5 38.3

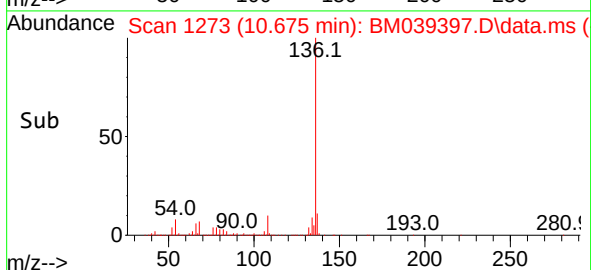
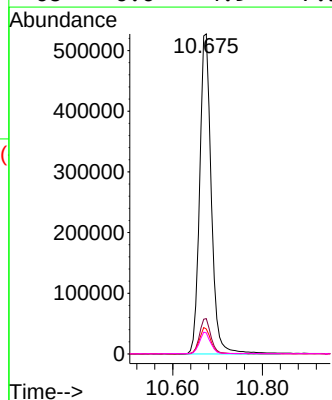
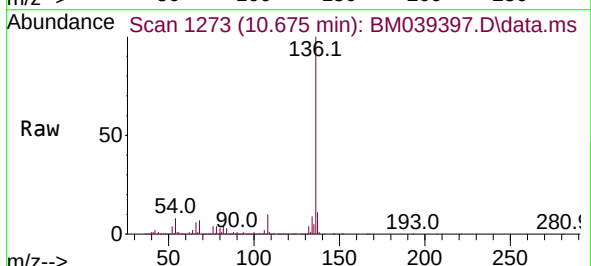
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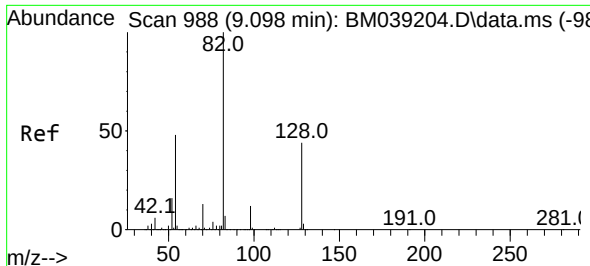
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.675 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BM039397.D
Acq: 11 Apr 2023 17:21

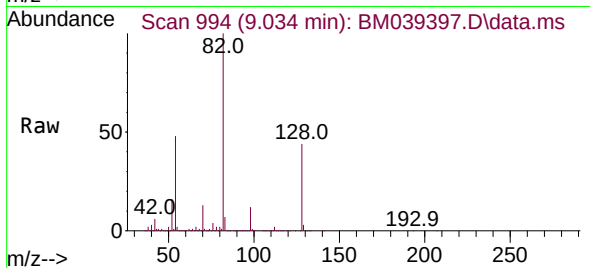
Tgt Ion:136 Resp: 950356
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.8 6.2 9.4
68 6.6 4.9 7.3





#23
Nitrobenzene-d5
Concen: 54.075 ng
RT: 9.034 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM039397.D
Acq: 11 Apr 2023 17:21

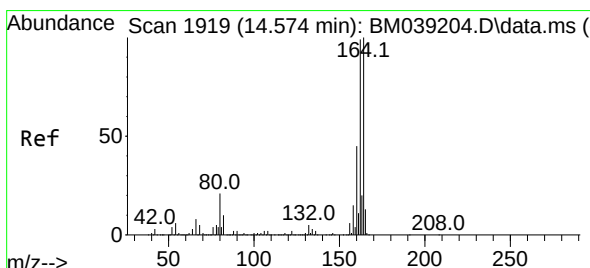
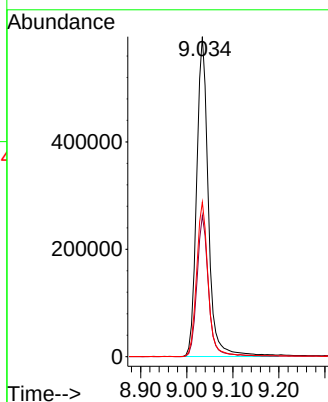
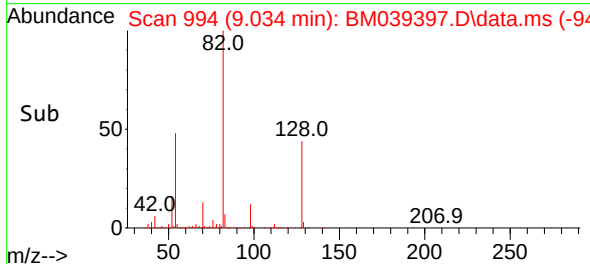
Instrument :
BNA_M
ClientSampleId :
JPP-3A-040723



Tgt Ion: 82 Resp: 1057369
Ion Ratio Lower Upper
82 100
128 44.1 35.1 52.7
54 48.3 38.5 57.7

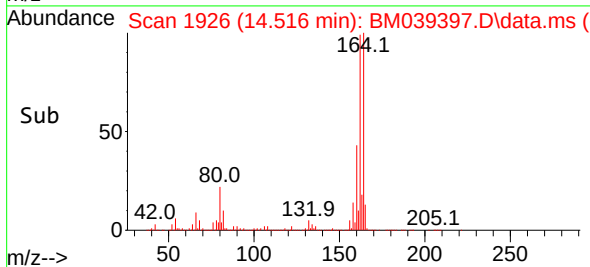
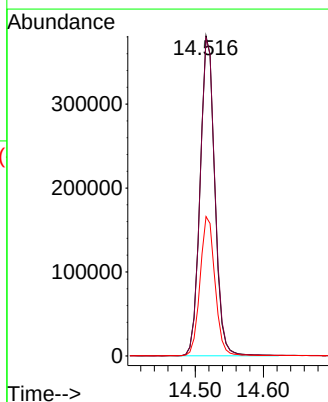
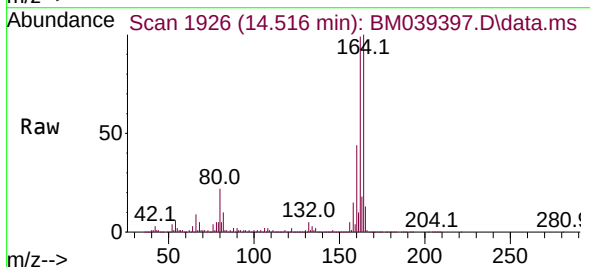
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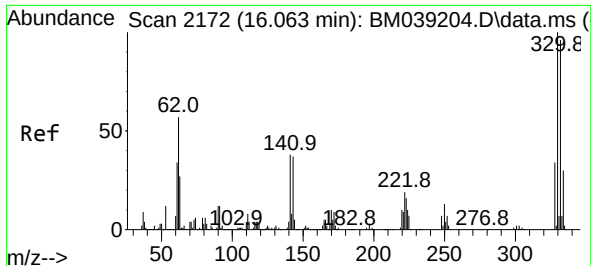
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.516 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BM039397.D
Acq: 11 Apr 2023 17:21

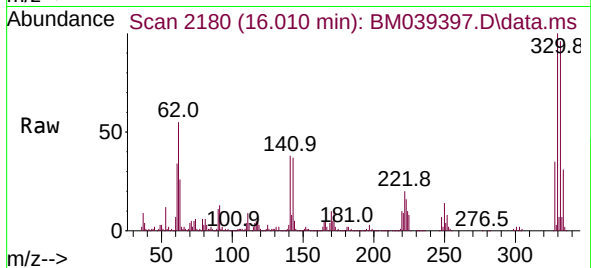
Tgt Ion:164 Resp: 569002
Ion Ratio Lower Upper
164 100
162 99.4 79.1 118.7
160 43.5 35.8 53.8





#42
2,4,6-Tribromophenol
Concen: 85.371 ng
RT: 16.010 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BM039397.D
Acq: 11 Apr 2023 17:21

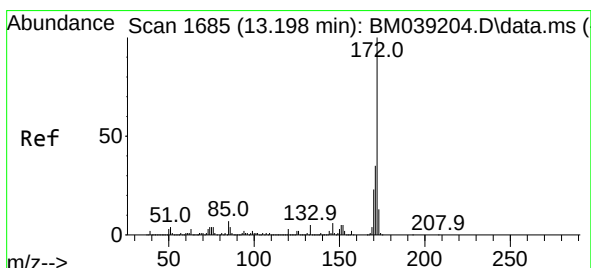
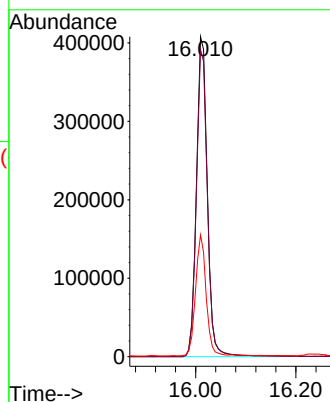
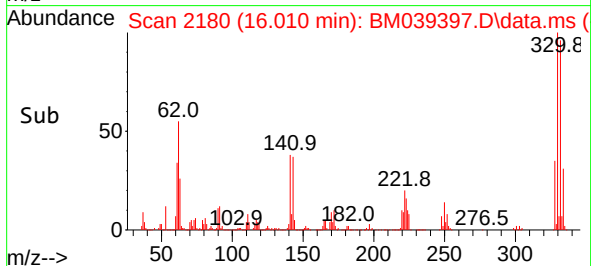
Instrument :
BNA_M
ClientSampleId :
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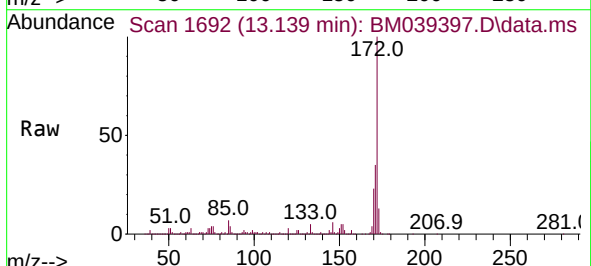
Tgt Ion:330 Resp: 616630
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.0
141 36.5 29.8 44.6

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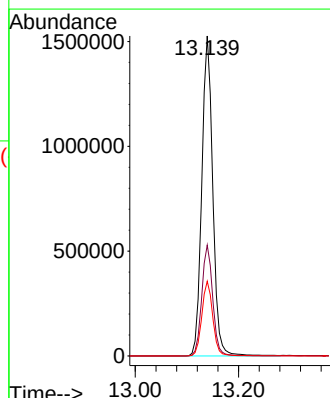
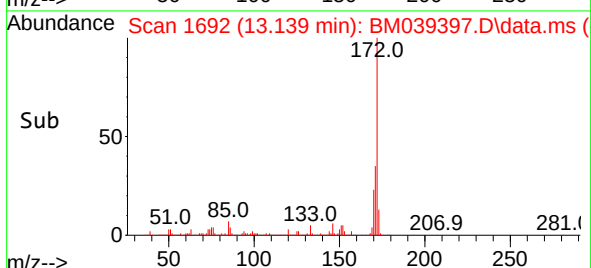
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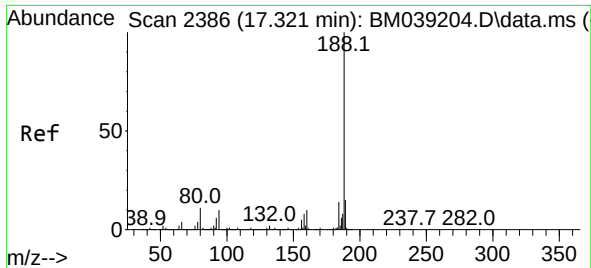


#45
2-Fluorobiphenyl
Concen: 53.700 ng
RT: 13.139 min Scan# 1692
Delta R.T. 0.000 min
Lab File: BM039397.D
Acq: 11 Apr 2023 17:21



Tgt Ion:172 Resp: 2255169
Ion Ratio Lower Upper
172 100
171 34.7 28.0 42.0
170 23.3 18.7 28.1





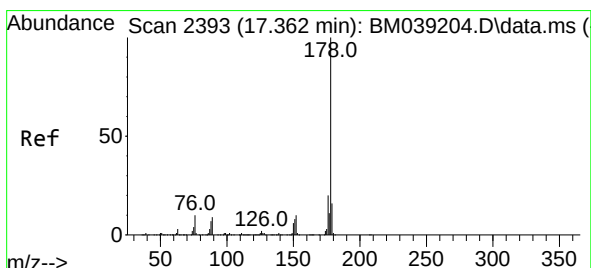
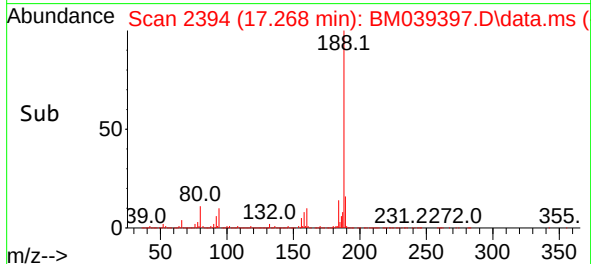
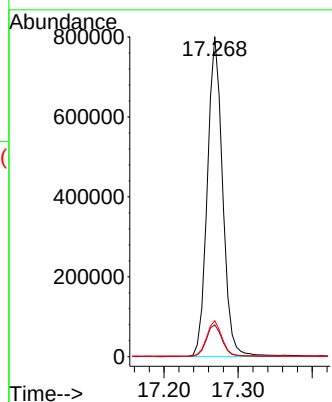
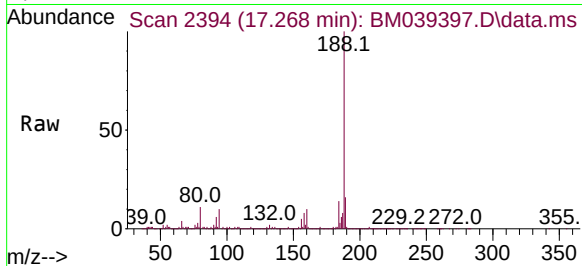
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.268 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM039397.D
Acq: 11 Apr 2023 17:21

Instrument :
BNA_M
ClientSampleId :
JPP-3A-040723

Tgt Ion:188 Resp: 114911
Ion Ratio Lower Upper
188 100
94 9.9 8.2 12.4
80 11.2 8.9 13.3

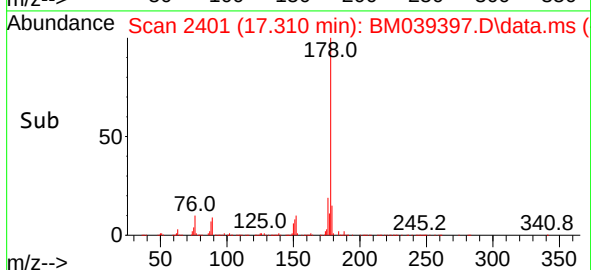
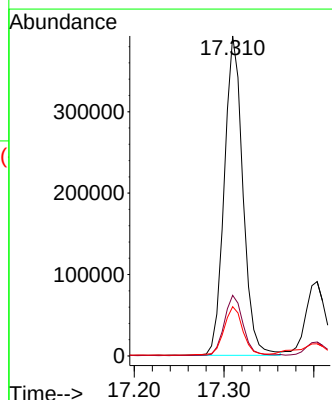
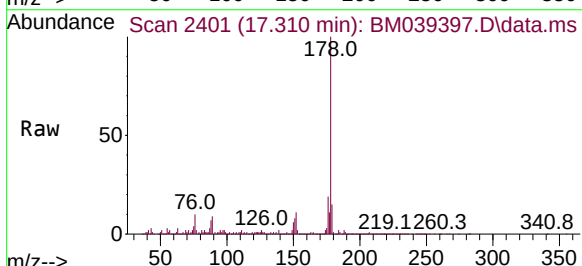
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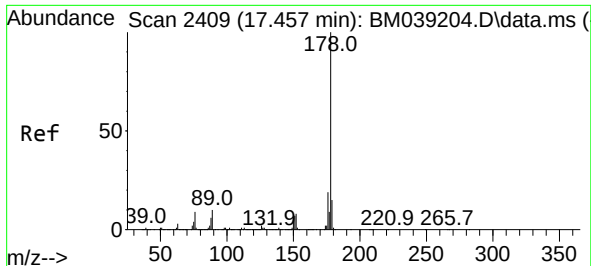
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#71
Phenanthrene
Concen: 8.973 ng
RT: 17.310 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BM039397.D
Acq: 11 Apr 2023 17:21

Tgt Ion:178 Resp: 564741
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.4 12.4 18.6





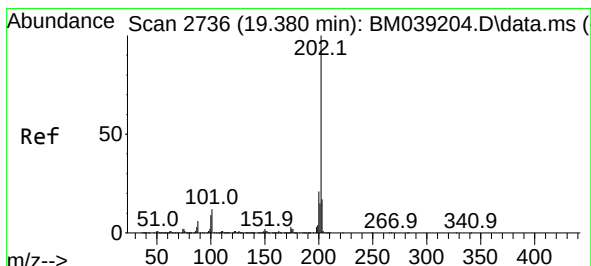
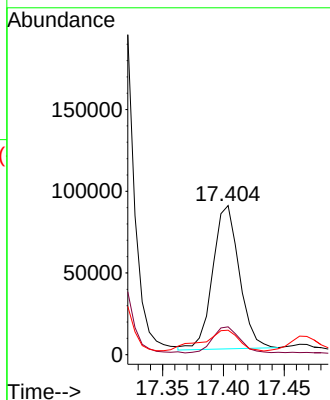
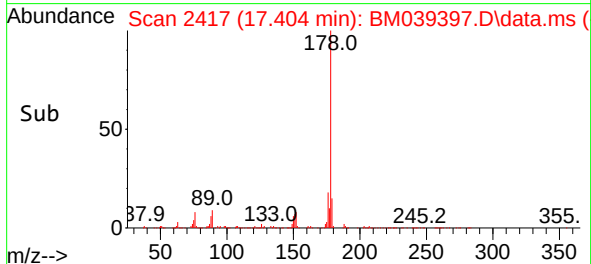
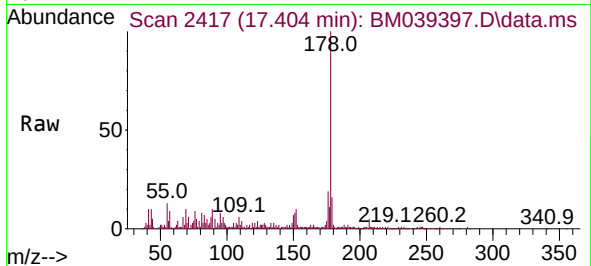
#72
 Anthracene
 Concen: 2.080 ng
 RT: 17.404 min Scan# 2409
 Delta R.T. 0.000 min
 Lab File: BM039397.D
 Acq: 11 Apr 2023 17:21

Instrument :
 BNA_M
 ClientSampleId :
 JPP-3A-040723

Tgt Ion:178 Resp: 133468
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.9 22.3
 179 16.4 12.2 18.2

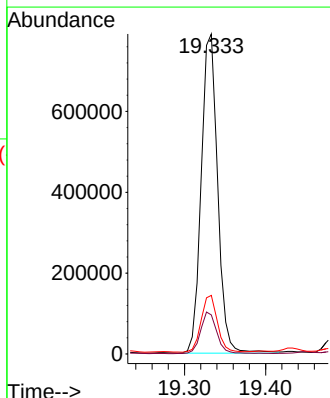
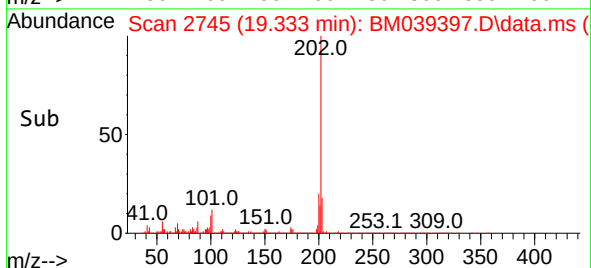
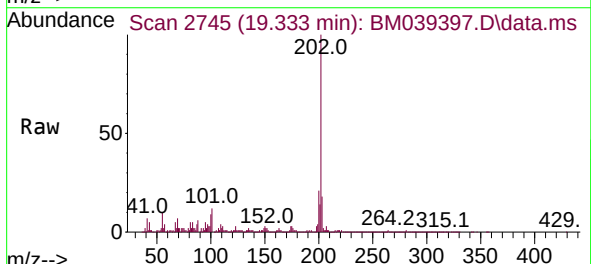
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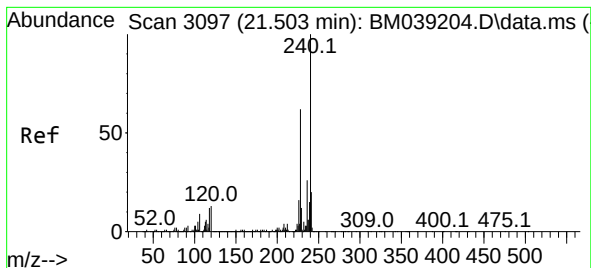
Reviewed By :Christian Giraldo 04/12/2023
 Supervised By :Jagrut Upadhyay 04/12/2023



#75
 Fluoranthene
 Concen: 15.457 ng
 RT: 19.333 min Scan# 2745
 Delta R.T. 0.000 min
 Lab File: BM039397.D
 Acq: 11 Apr 2023 17:21

Tgt Ion:202 Resp: 1108875
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 32.5
 203 18.3 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: BM039397.D

Acq: 11 Apr 2023 17:21

Instrument :

BNA_M

ClientSampleId :

JPP-3A-040723

Tgt Ion:240 Resp: 107951

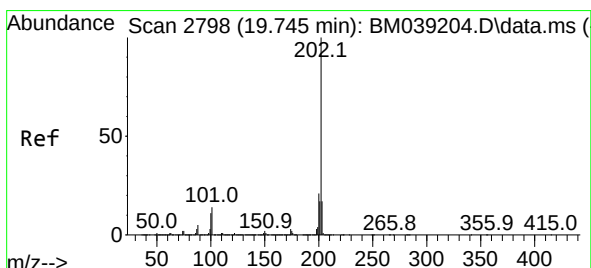
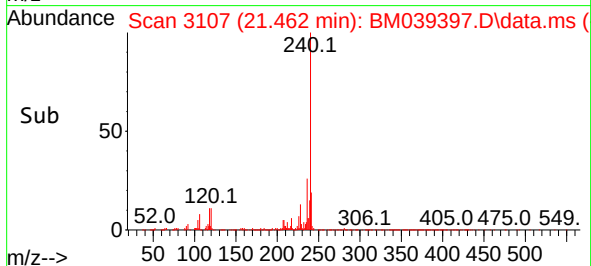
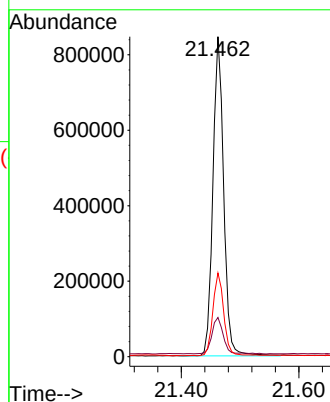
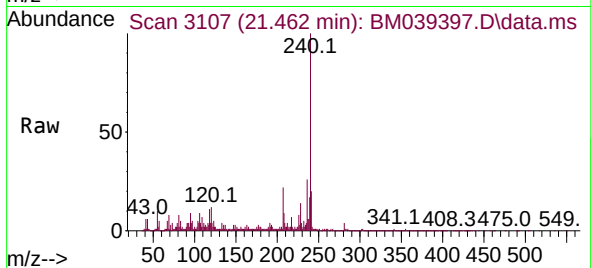
Ion	Ratio	Lower	Upper
240	100		
120	12.2	10.2	15.2
236	26.1	20.9	31.3

Manual Integrations

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#78

Pyrene

Concen: 13.980 ng

RT: 19.698 min Scan# 2807

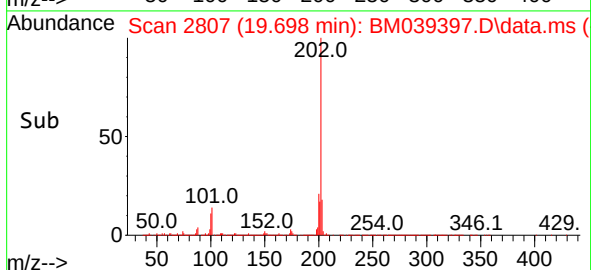
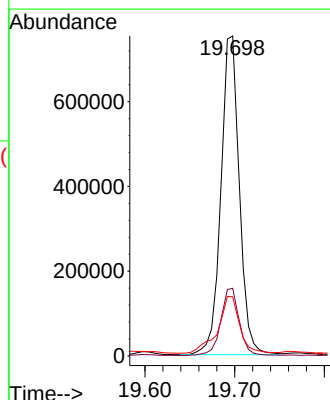
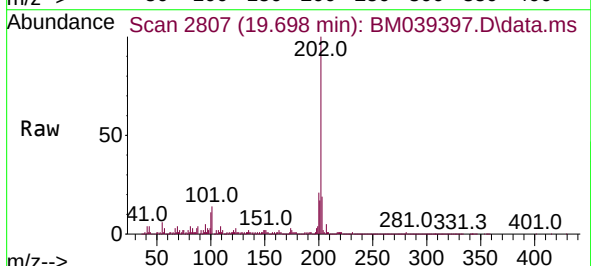
Delta R.T. 0.000 min

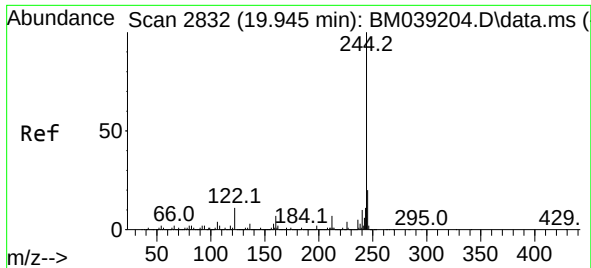
Lab File: BM039397.D

Acq: 11 Apr 2023 17:21

Tgt Ion:202 Resp: 1074345

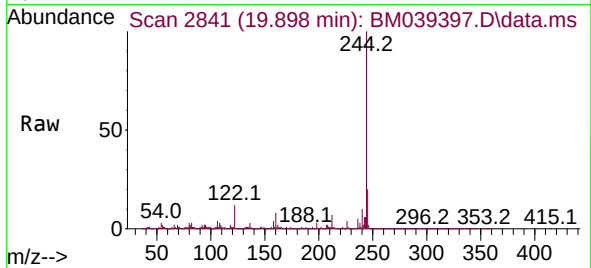
Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.1	25.7
203	18.5	13.9	20.9





#79
 Terphenyl-d14
 Concen: 51.016 ng
 RT: 19.898 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM039397.D
 Acq: 11 Apr 2023 17:21

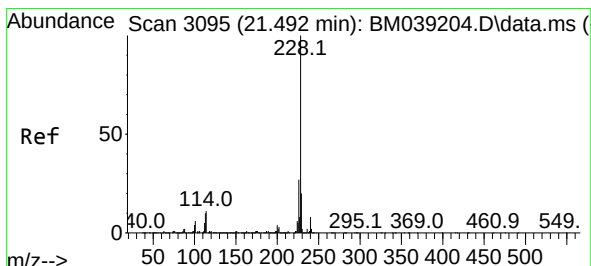
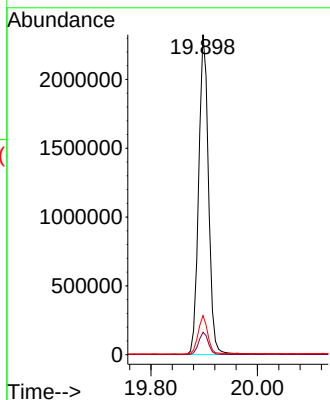
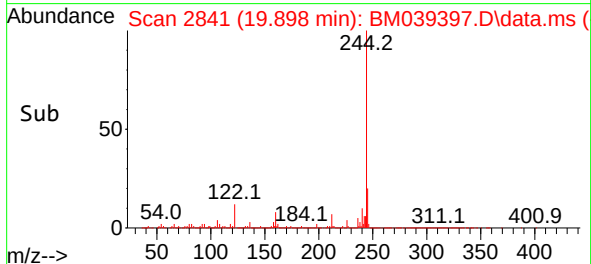
Instrument :
 BNA_M
 ClientSampleId :
 JPP-3A-040723



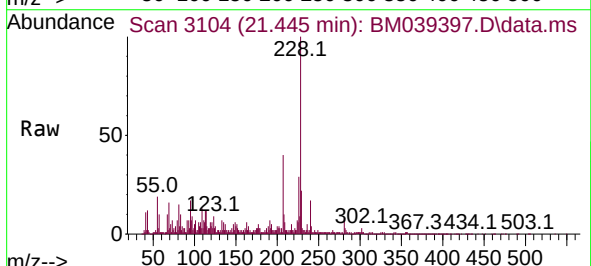
Tgt Ion:244 Resp: 298084
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 12.2 9.1 13.7

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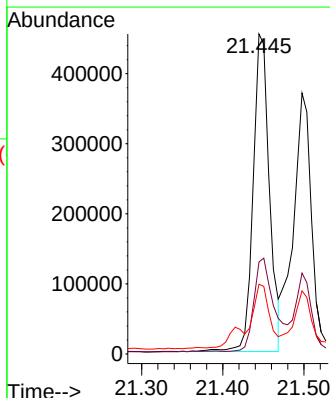
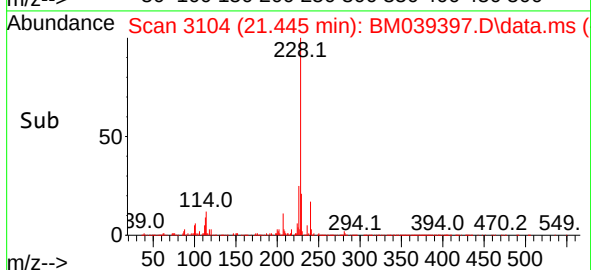
Reviewed By :Christian Giraldo 04/12/2023
 Supervised By :Jagrut Upadhyay 04/12/2023

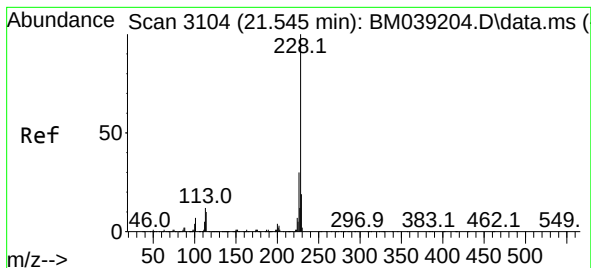


#81
 Benzo(a)anthracene
 Concen: 8.309 ng
 RT: 21.445 min Scan# 3104
 Delta R.T. 0.000 min
 Lab File: BM039397.D
 Acq: 11 Apr 2023 17:21



Tgt Ion:228 Resp: 632587
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.9 32.9
 229 21.8 15.8 23.6





#83

Chrysene

Concen: 7.717 ng m

RT: 21.498 min Scan# 3104

Delta R.T. -0.006 min

Lab File: BM039397.D

Acq: 11 Apr 2023 17:21

Instrument :

BNA_M

ClientSampleId :

JPP-3A-040723

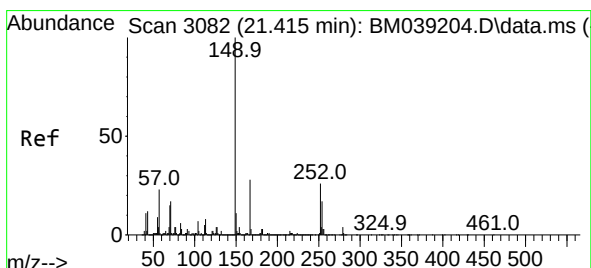
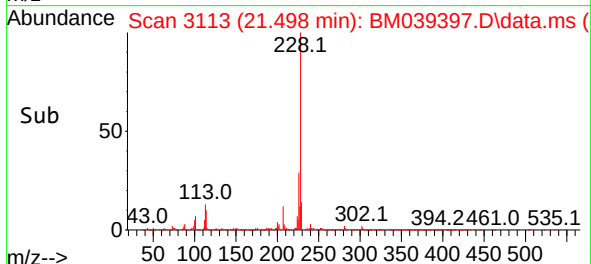
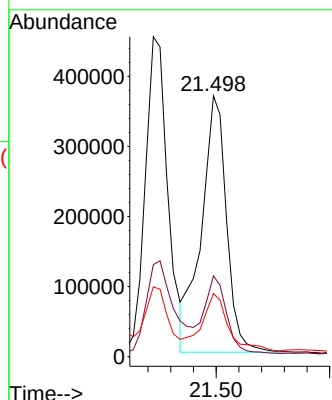
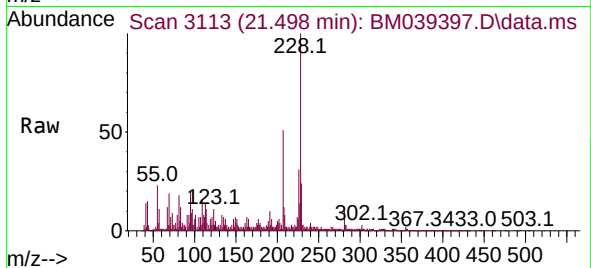
Tgt Ion:	228	Resp:	567170
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.1	36.1
229	24.2	15.5	23.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/12/2023

Supervised By :Jagrut Upadhyay 04/12/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.009 ng

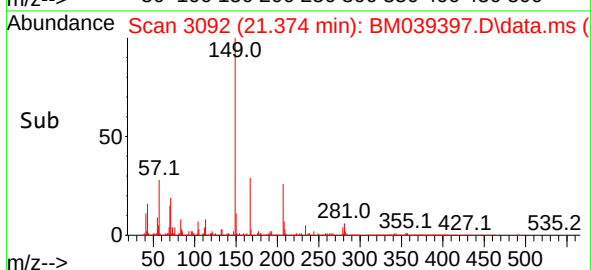
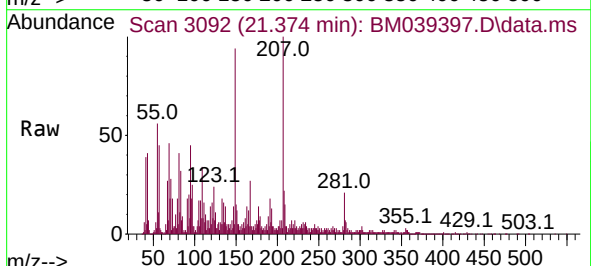
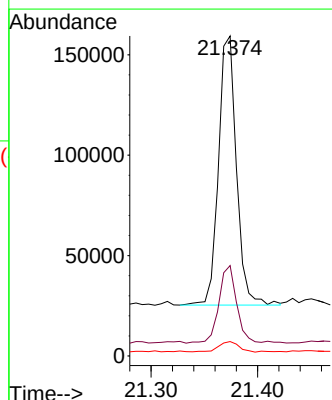
RT: 21.374 min Scan# 3092

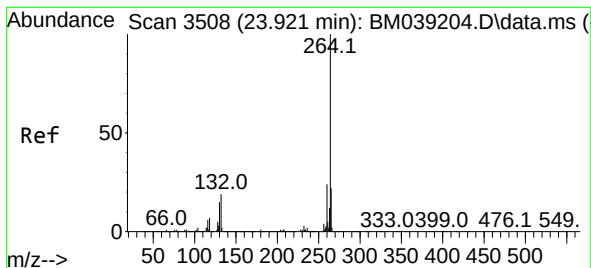
Delta R.T. 0.000 min

Lab File: BM039397.D

Acq: 11 Apr 2023 17:21

Tgt Ion:	149	Resp:	156470
Ion Ratio	Lower	Upper	
149	100		
167	28.2	22.3	33.5
279	4.5	3.4	5.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.856 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM039397.D

Acq: 11 Apr 2023 17:21

Instrument :

BNA_M

ClientSampleId :

JPP-3A-040723

Tgt Ion:264 Resp: 1214134

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

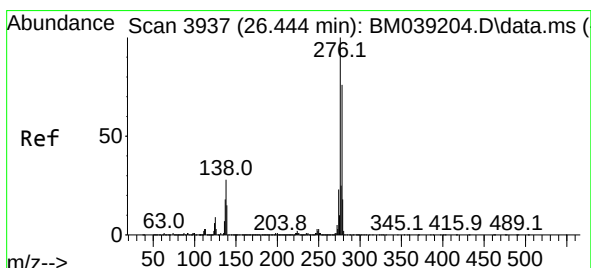
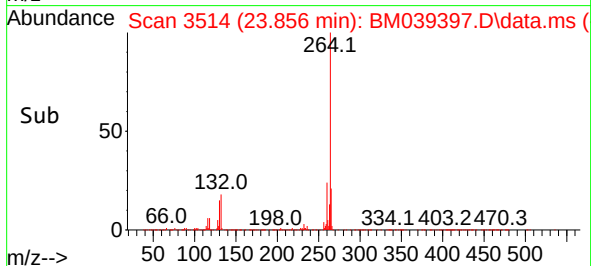
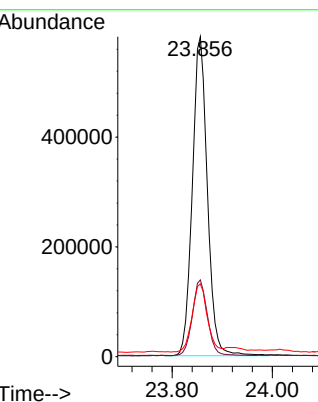
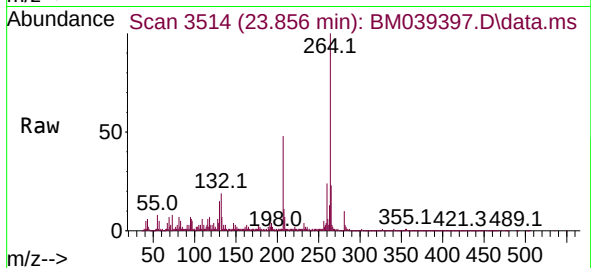
265 22.7 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/12/2023

Supervised By :Jagrut Upadhyay 04/12/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.362 ng

RT: 26.327 min Scan# 3934

Delta R.T. -0.012 min

Lab File: BM039397.D

Acq: 11 Apr 2023 17:21

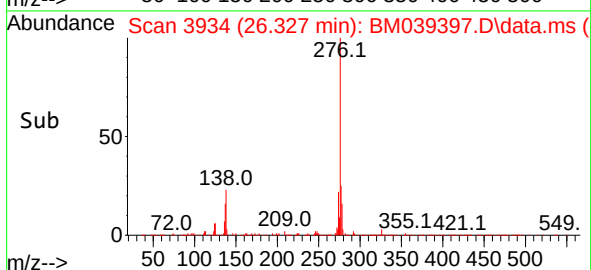
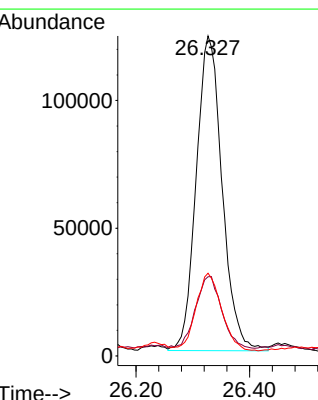
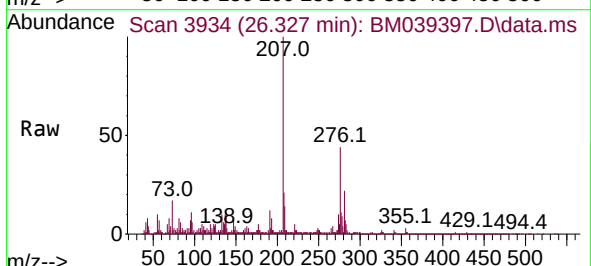
Tgt Ion:276 Resp: 390244

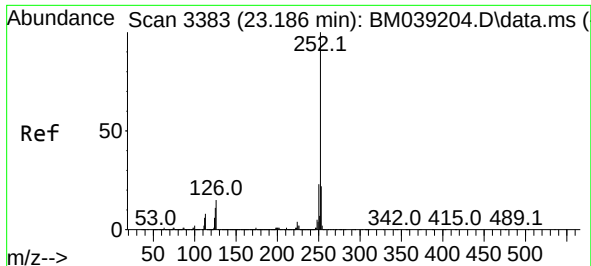
Ion Ratio Lower Upper

276 100

138 23.7 22.2 33.2

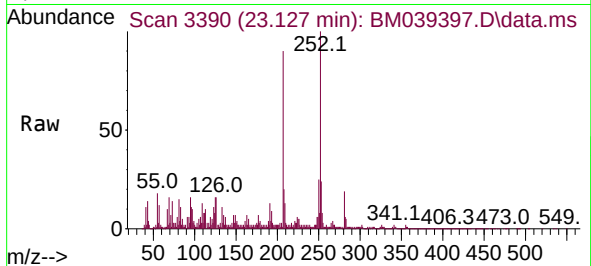
277 24.5 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 10.766 ng m
RT: 23.127 min Scan# 3383
Delta R.T. 0.000 min
Lab File: BM039397.D
Acq: 11 Apr 2023 17:21

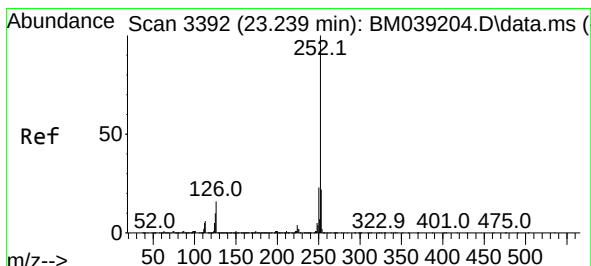
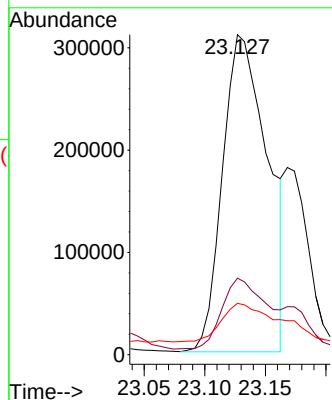
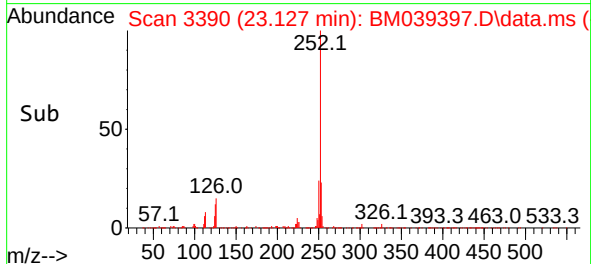
Instrument :
BNA_M
ClientSampleId :
JPP-3A-040723



Tgt Ion:252 Resp: 799810
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 16.1 9.0 13.6

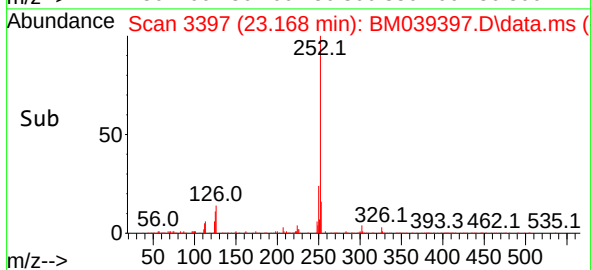
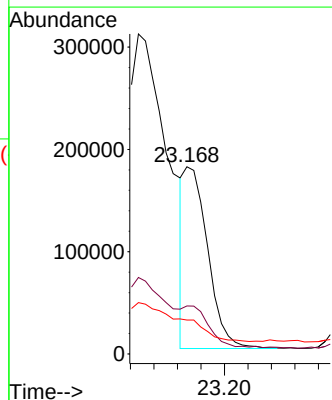
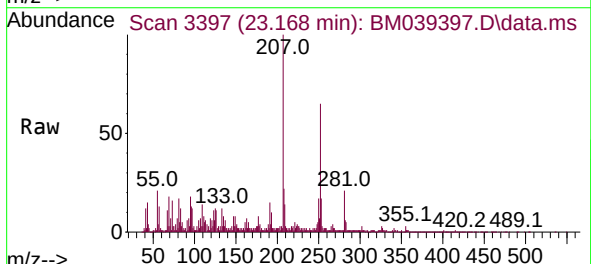
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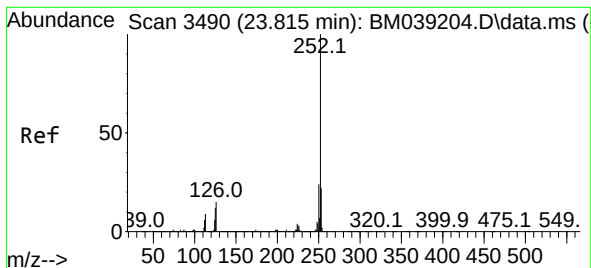
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#89
Benzo(k)fluoranthene
Concen: 3.254 ng m
RT: 23.168 min Scan# 3397
Delta R.T. -0.006 min
Lab File: BM039397.D
Acq: 11 Apr 2023 17:21

Tgt Ion:252 Resp: 246242
Ion Ratio Lower Upper
252 100
253 25.7 17.8 26.8
125 18.1 8.5 12.7





#90

Benzo(a)pyrene

Concen: 8.034 ng

RT: 23.750 min Scan# 34

Delta R.T. 0.000 min

Lab File: BM039397.D

Acq: 11 Apr 2023 17:21

Instrument :

BNA_M

ClientSampleId :

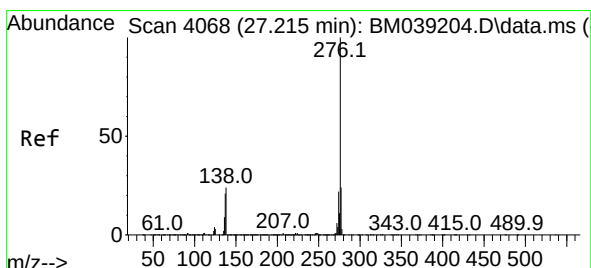
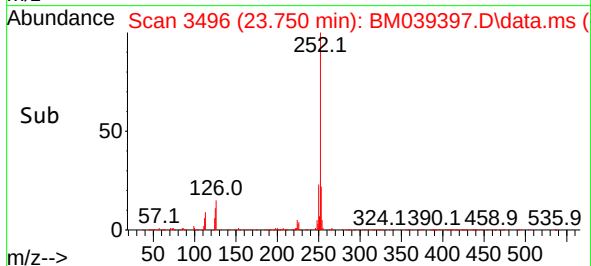
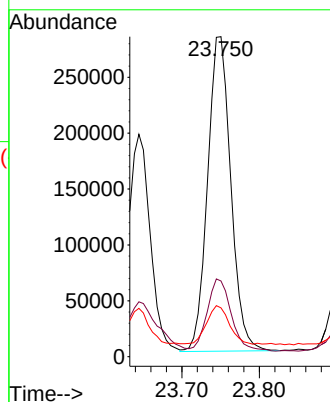
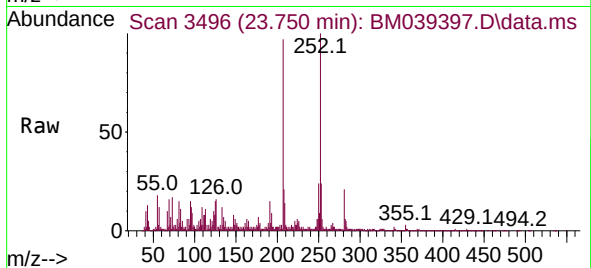
JPP-3A-040723

Tgt Ion:	252	Resp:	58632
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.6	26.4
125	15.3	9.8	14.6

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 5.179 ng

RT: 27.097 min Scan# 4065

Delta R.T. -0.006 min

Lab File: BM039397.D

Acq: 11 Apr 2023 17:21

Tgt Ion:	276	Resp:	382595
Ion Ratio	Lower	Upper	
276	100		
277	25.7	19.1	28.7
138	24.9	19.5	29.3

