

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032423\
 Data File : BM039142.D
 Acq On : 24 Mar 2023 15:17
 Operator : CG/JU
 Sample : 02032-02DL2 25X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 S-2DL2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/27/2023
 Supervised By : Jagrut Upadhyay 03/27/2023

Quant Time: Mar 24 15:50:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 24 15:04:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.951	152	286814	20.000	ng	0.00
21) Naphthalene-d8	10.763	136	1144990	20.000	ng	0.00
39) Acenaphthene-d10	14.592	164	640971	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	1275011	20.000	ng	0.00
76) Chrysene-d12	21.521	240	1127252	20.000	ng	0.00
86) Perylene-d12	23.950	264	1252280	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	59085	3.130	ng	0.00
7) Phenol-d6	7.110	99	74642	3.044	ng	0.00
23) Nitrobenzene-d5	9.116	82	50574	2.170	ng	0.00
42) 2,4,6-Tribromophenol	16.080	330	23877	3.220	ng	0.00
45) 2-Fluorobiphenyl	13.216	172	98406	1.999	ng	0.00
79) Terphenyl-d14	19.956	244	173412	2.813	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.816	128	2451396	37.547	ng	100
37) 2-Methylnaphthalene	12.422	142	103359	2.362	ng	99
71) Phenanthrene	17.380	178	175847	2.350	ng	99
75) Fluoranthene	19.398	202	546757	6.920	ng	97
78) Pyrene	19.756	202	471208	5.566	ng	99
81) Benzo(a)anthracene	21.503	228	358564	4.417	ng	98
83) Chrysene	21.556	228	401571	5.086	ng	97
87) Indeno(1,2,3-cd)pyrene	26.468	276	249517	2.619	ng	97
88) Benzo(b)fluoranthene	23.209	252	756769	9.459	ng	97
89) Benzo(k)fluoranthene	23.250	252	187413m	2.251	ng	
90) Benzo(a)pyrene	23.838	252	317955	4.129	ng	97
92) Benzo(g,h,i)perylene	27.244	276	224913	2.849	ng	98

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

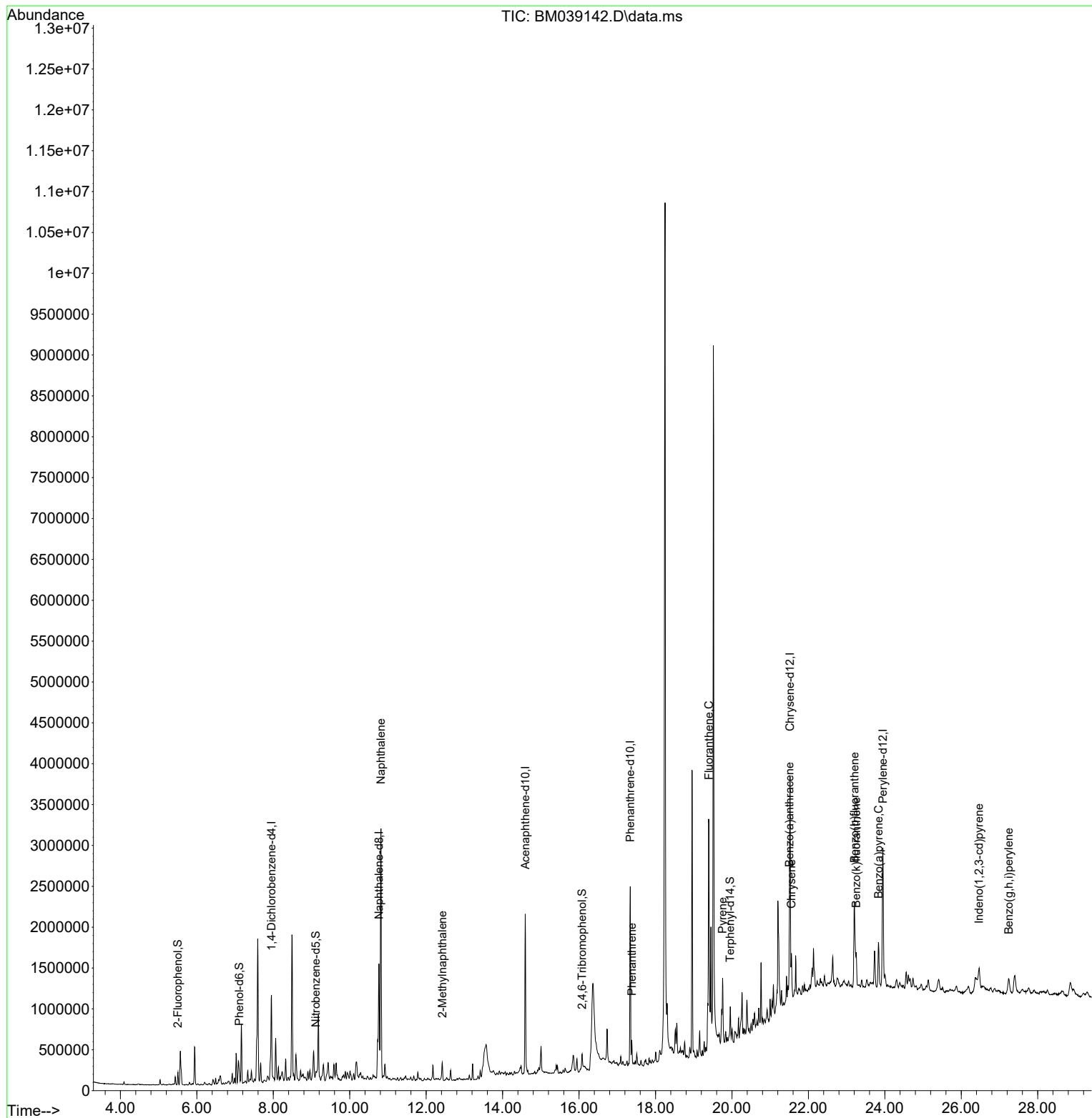
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032423\
Data File : BM039142.D
Acq On : 24 Mar 2023 15:17
Operator : CG/JU
Sample : 02032-02DL2 25X
Misc :
ALS Vial : 7 Sample Multiplier: 1

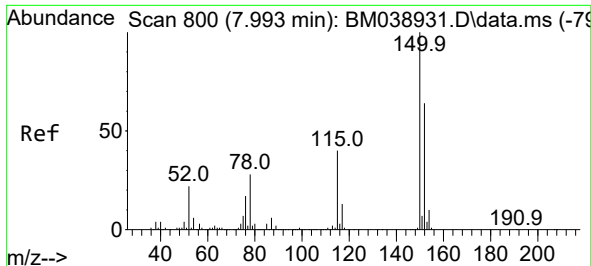
Instrument :
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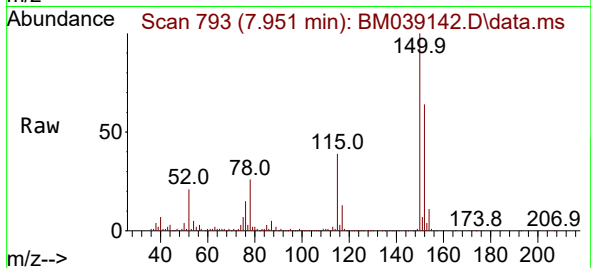
Quant Time: Mar 24 15:50:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 24 15:04:20 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.951 min Scan# 79
Delta R.T. 0.000 min
Lab File: BM039142.D
Acq: 24 Mar 2023 15:17

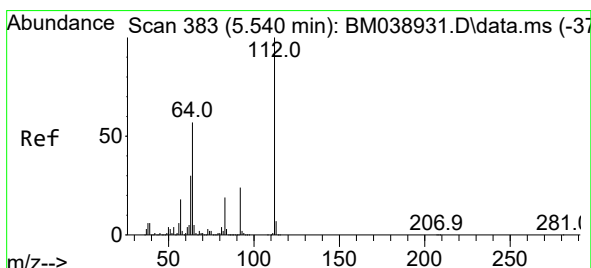
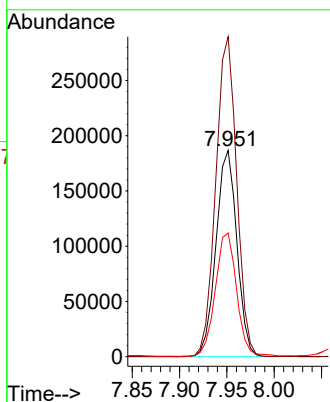
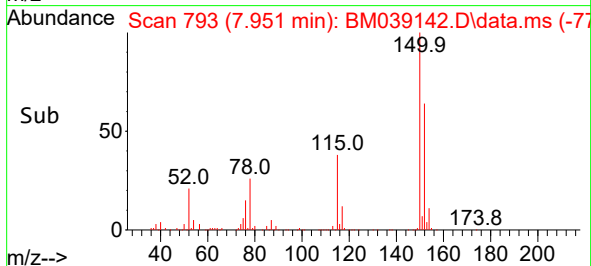
Instrument :
BNA_M
ClientSampleId :
S-2DL2



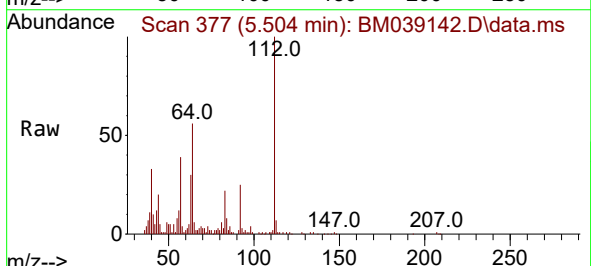
Tgt Ion:152 Resp: 286814
Ion Ratio Lower Upper
152 100
150 155.2 125.1 187.7
115 60.0 49.6 74.4

Manual Integrations
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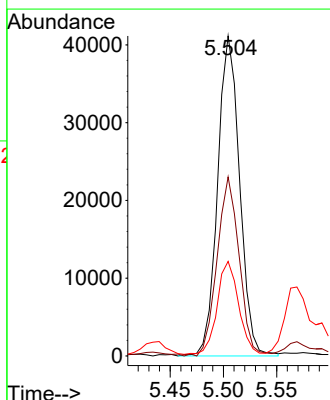
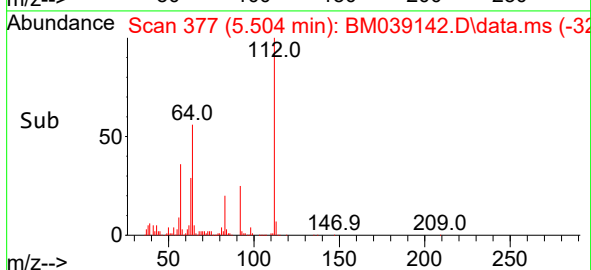
Reviewed By :Christian Giraldo 03/27/2023
Supervised By :Jagrut Upadhyay 03/27/2023

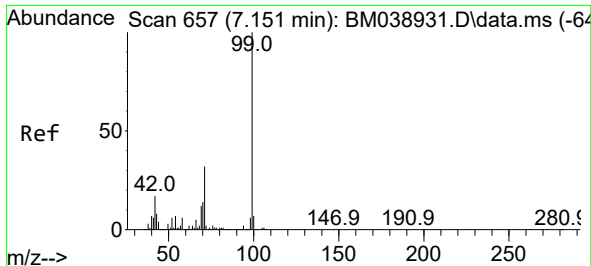


#5
2-Fluorophenol
Concen: 3.130 ng
RT: 5.504 min Scan# 377
Delta R.T. -0.000 min
Lab File: BM039142.D
Acq: 24 Mar 2023 15:17



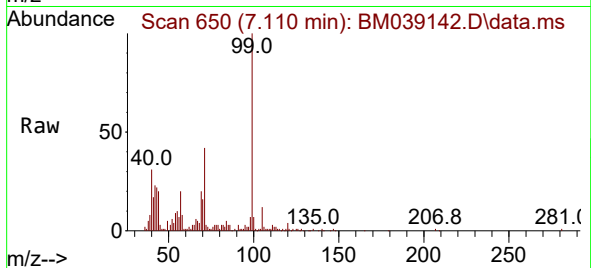
Tgt Ion:112 Resp: 59085
Ion Ratio Lower Upper
112 100
64 56.0 45.9 68.9
63 29.5 23.8 35.8





#7
Phenol-d6
Concen: 3.044 ng
RT: 7.110 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM039142.D
Acq: 24 Mar 2023 15:17

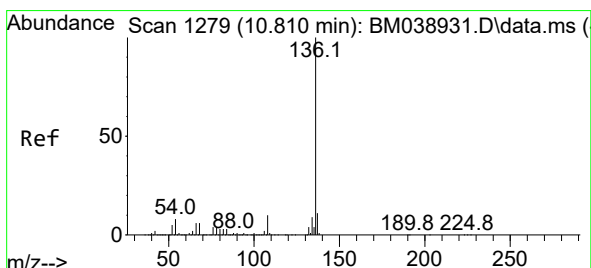
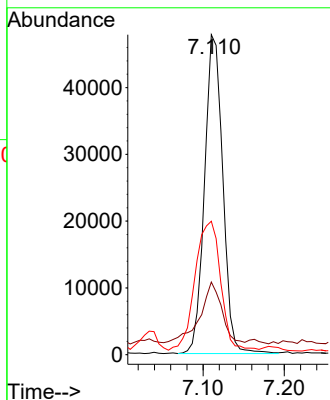
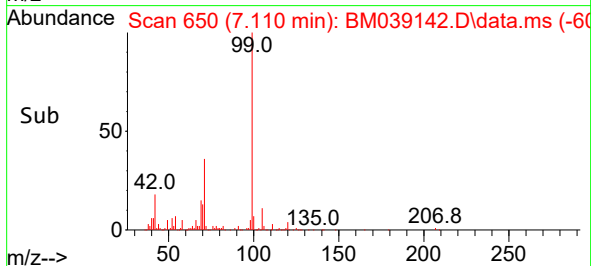
Instrument :
BNA_M
ClientSampleId :
S-2DL2



Tgt Ion: 99 Resp: 74642
Ion Ratio Lower Upper
99 100
42 22.7 13.5 20.3
71 41.7 25.6 38.4

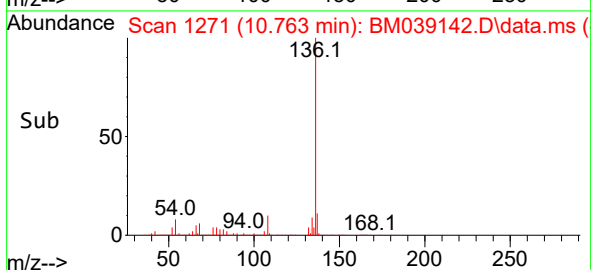
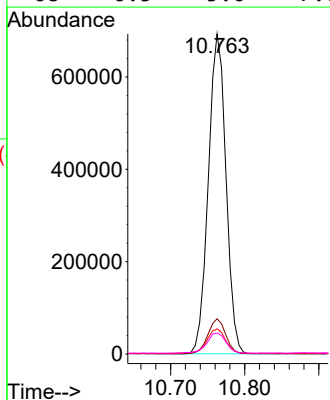
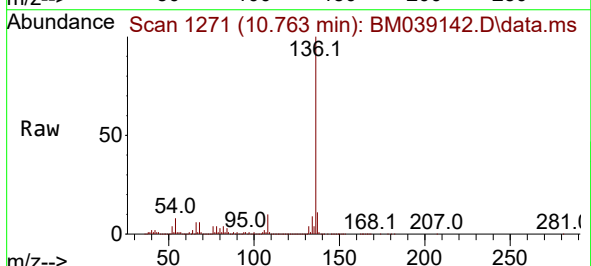
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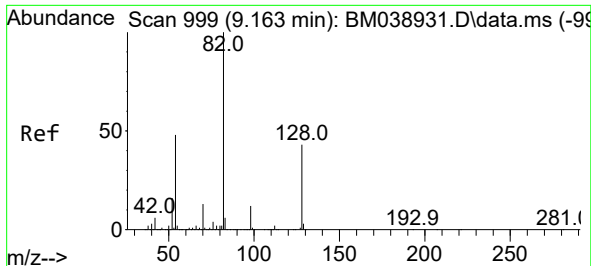
Reviewed By :Christian Giraldo 03/27/2023
Supervised By :Jagrut Upadhyay 03/27/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.763 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BM039142.D
Acq: 24 Mar 2023 15:17

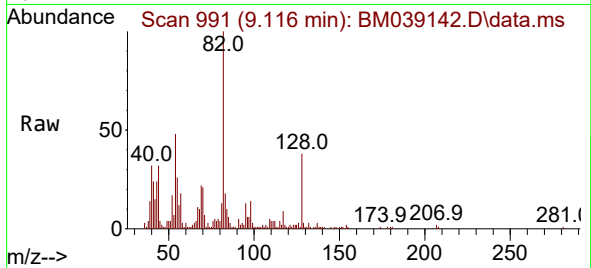
Tgt Ion:136 Resp: 1144990
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.9 6.3 9.5
68 6.5 5.0 7.6





#23
Nitrobenzene-d5
Concen: 2.170 ng
RT: 9.116 min Scan# 991
Delta R.T. -0.006 min
Lab File: BM039142.D
Acq: 24 Mar 2023 15:17

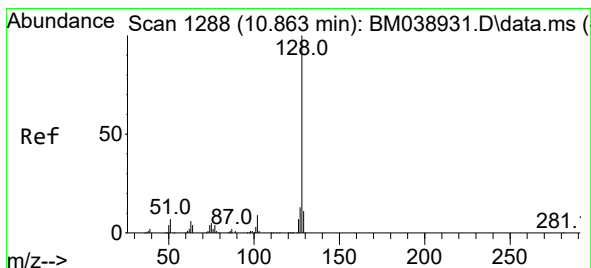
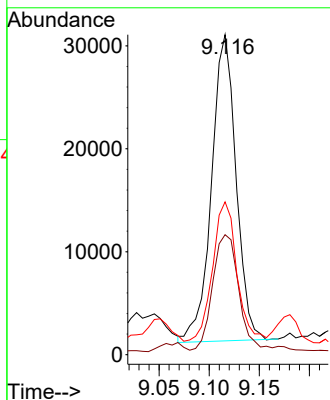
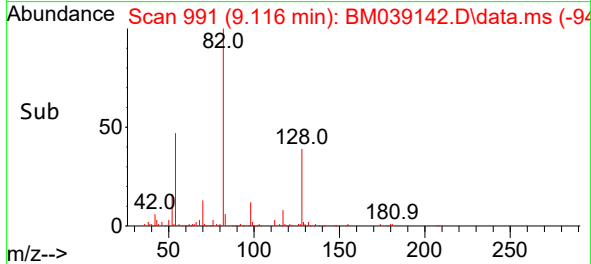
Instrument :
BNA_M
ClientSampleId :
S-2DL2



Tgt Ion: 82 Resp: 50574
Ion Ratio Lower Upper
82 100
128 37.5 34.4 51.6
54 47.8 38.8 58.2

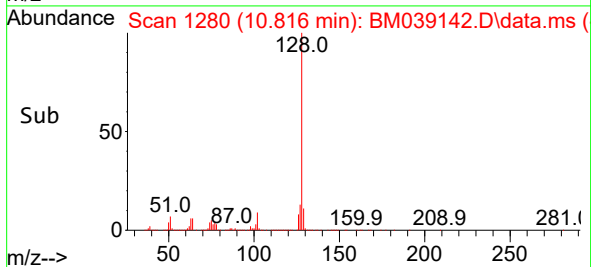
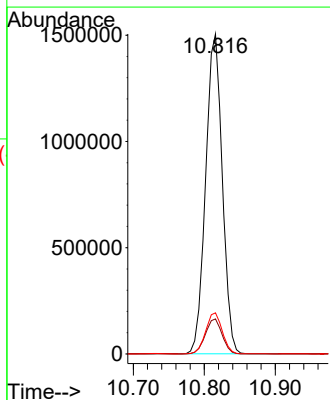
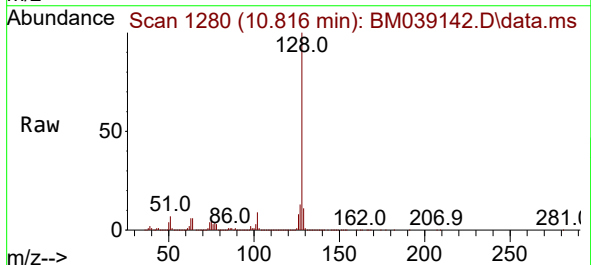
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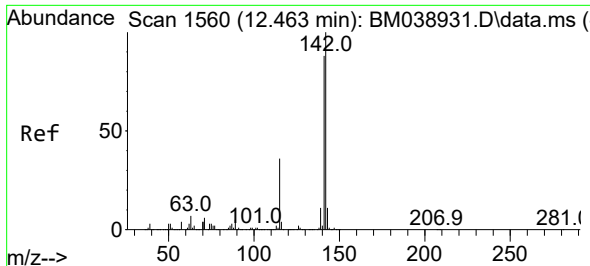
Reviewed By :Christian Giraldo 03/27/2023
Supervised By :Jagrut Upadhyay 03/27/2023



#31
Naphthalene
Concen: 37.547 ng
RT: 10.816 min Scan# 1280
Delta R.T. -0.000 min
Lab File: BM039142.D
Acq: 24 Mar 2023 15:17

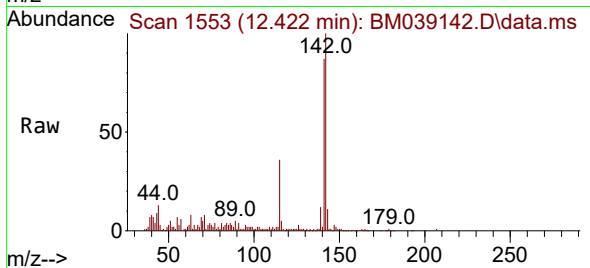
Tgt Ion:128 Resp: 2451396
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.9 10.2 15.4





#37
2-Methylnaphthalene
Concen: 2.362 ng
RT: 12.422 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM039142.D
Acq: 24 Mar 2023 15:17

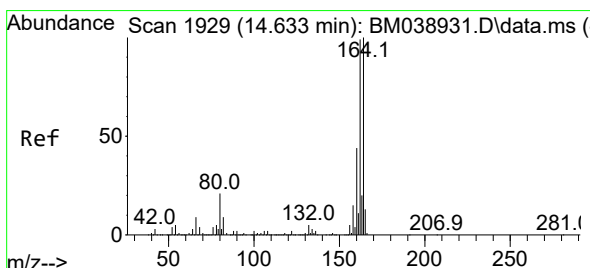
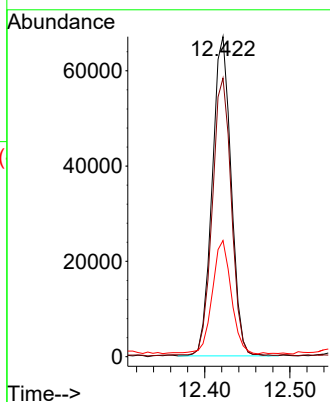
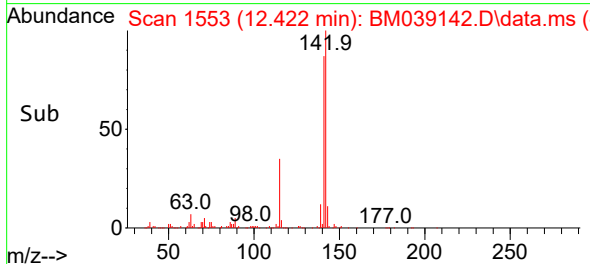
Instrument :
BNA_M
ClientSampleId :
S-2DL2



Tgt Ion:142 Resp: 103359
Ion Ratio Lower Upper
142 100
141 87.1 70.6 106.0
115 36.3 28.5 42.7

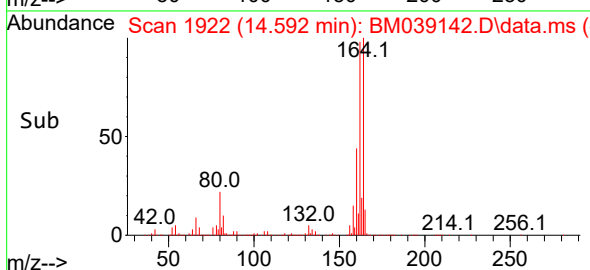
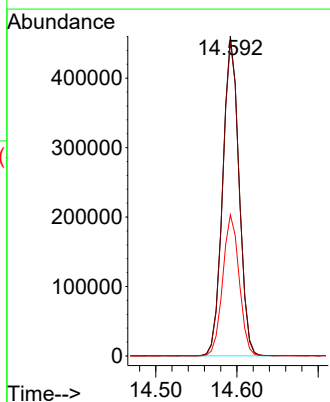
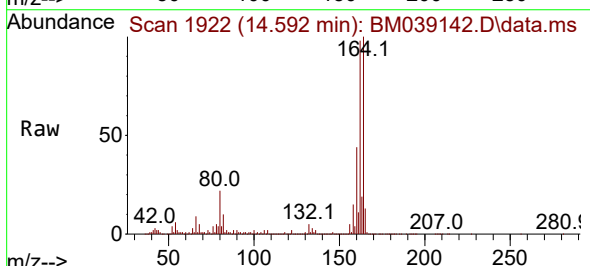
Manual Integrations
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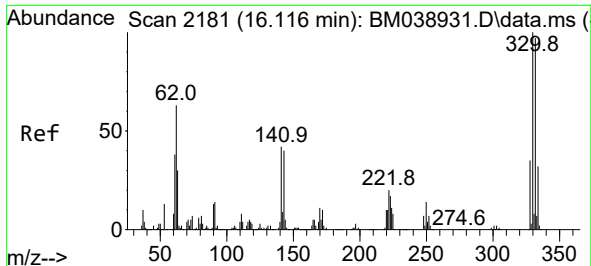
Reviewed By :Christian Giraldo 03/27/2023
Supervised By :Jagrut Upadhyay 03/27/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.592 min Scan# 1922
Delta R.T. -0.006 min
Lab File: BM039142.D
Acq: 24 Mar 2023 15:17

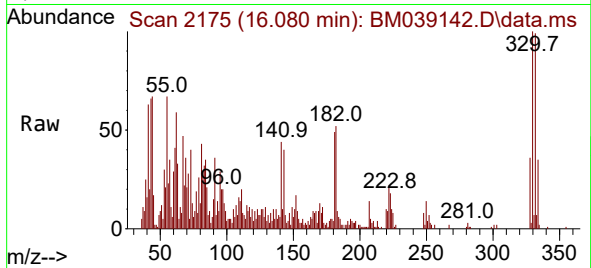
Tgt Ion:164 Resp: 640971
Ion Ratio Lower Upper
164 100
162 98.2 79.2 118.8
160 44.1 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 3.220 ng
RT: 16.080 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039142.D
Acq: 24 Mar 2023 15:17

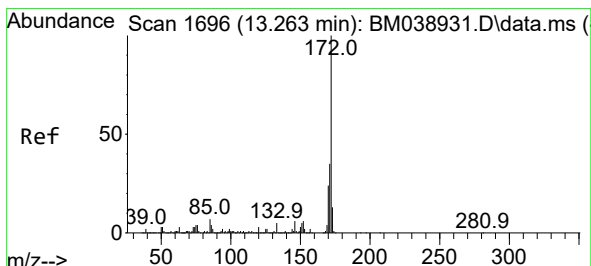
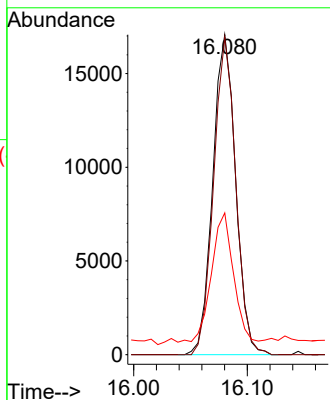
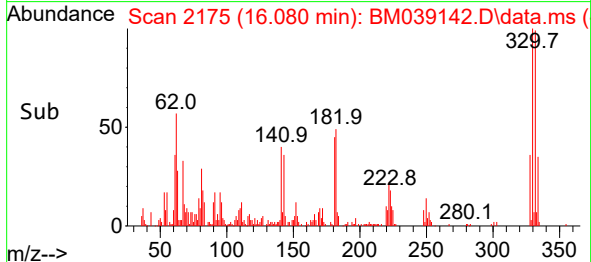
Instrument :
BNA_M
ClientSampleId :
S-2DL2



Tgt Ion:330 Resp: 2387
Ion Ratio Lower Upper
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332 96.2 77.4 116.0
141 38.7 32.2 48.4

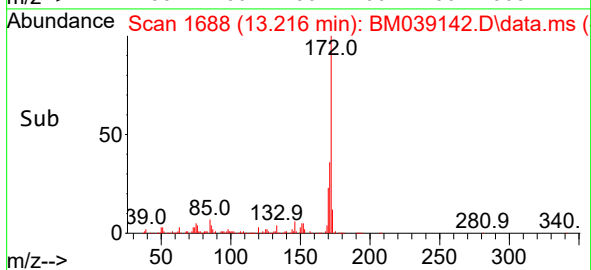
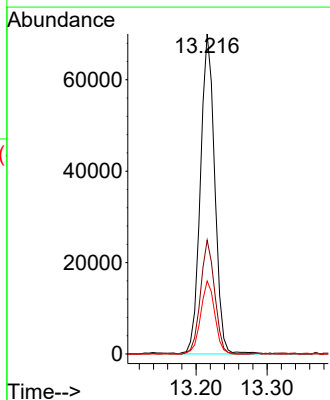
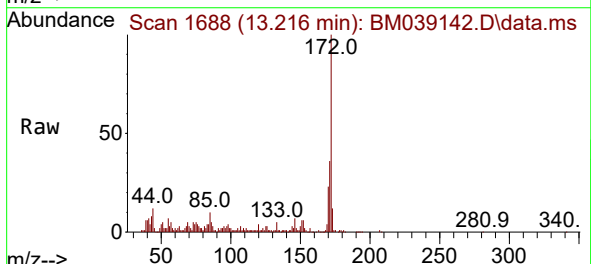
Manual Integrations
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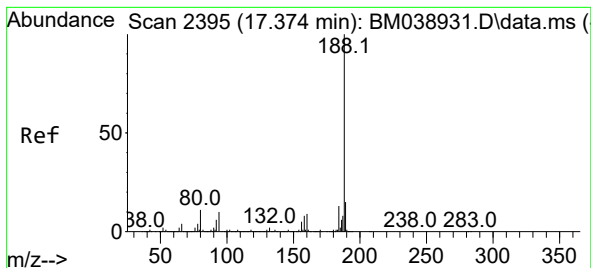
Reviewed By :Christian Giraldo 03/27/2023
Supervised By :Jagrut Upadhyay 03/27/2023



#45
2-Fluorobiphenyl
Concen: 1.999 ng
RT: 13.216 min Scan# 1688
Delta R.T. -0.006 min
Lab File: BM039142.D
Acq: 24 Mar 2023 15:17

Tgt Ion:172 Resp: 98406
Ion Ratio Lower Upper
172 100
171 35.6 28.2 42.2
170 22.8 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.339 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039142.D

Acq: 24 Mar 2023 15:17

Instrument :

BNA_M

ClientSampleId :

S-2DL2

Tgt Ion:188 Resp: 127501

Ion Ratio Lower Upper

188 100

94 10.4 7.9 11.9

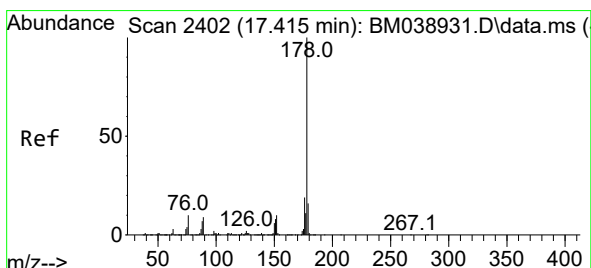
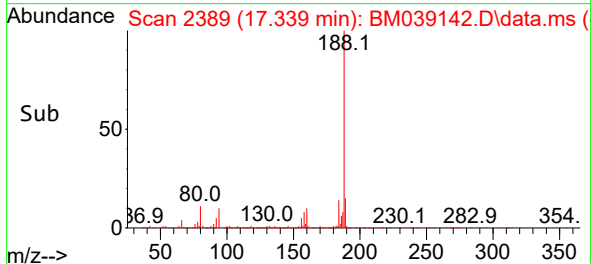
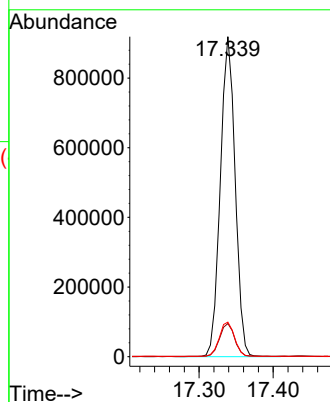
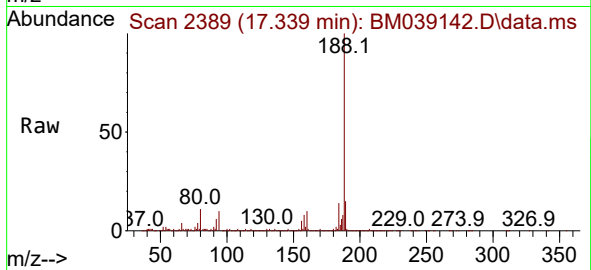
80 10.8 8.5 12.7

Manual Integrations

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Reviewed By :Christian Giraldo 03/27/2023

Supervised By :Jagrut Upadhyay 03/27/2023



#71

Phenanthrene

Concen: 2.350 ng

RT: 17.380 min Scan# 2396

Delta R.T. -0.006 min

Lab File: BM039142.D

Acq: 24 Mar 2023 15:17

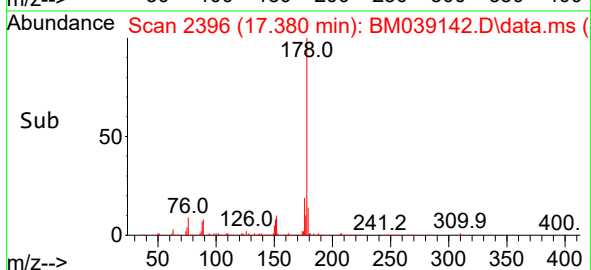
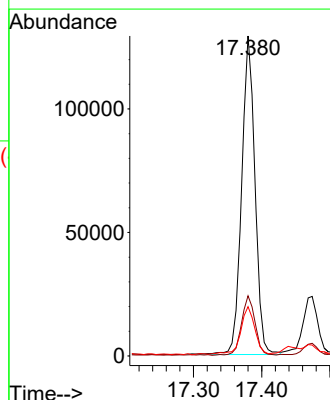
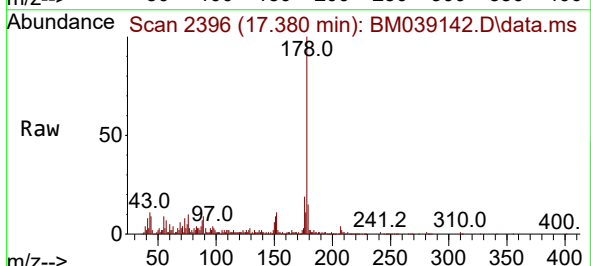
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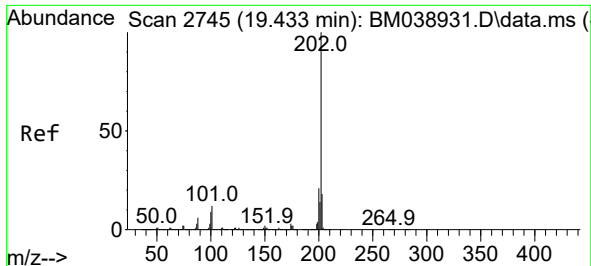
Ion Ratio Lower Upper

178 100

176 18.8 15.6 23.4

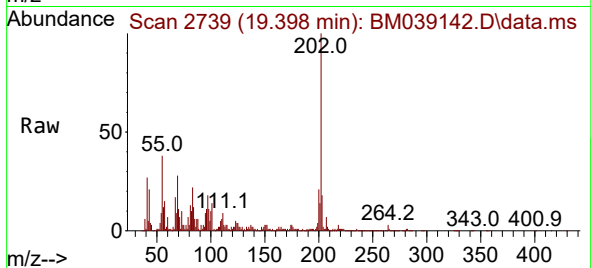
179 15.4 12.5 18.7





#75
Fluoranthene
Concen: 6.920 ng
RT: 19.398 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM039142.D
Acq: 24 Mar 2023 15:17

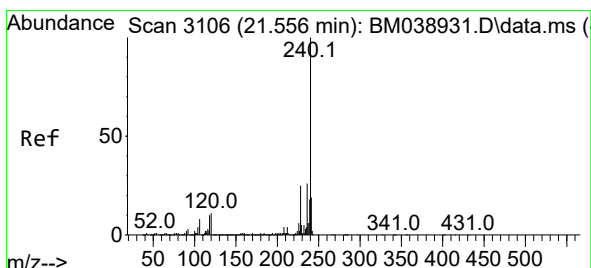
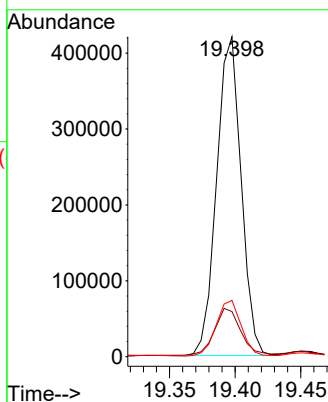
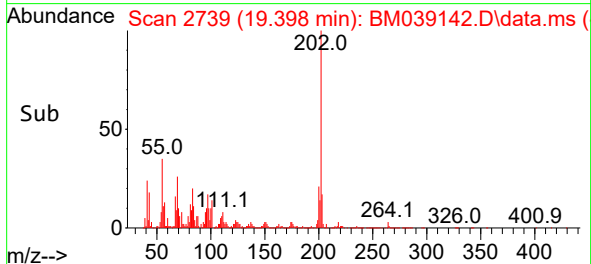
Instrument :
BNA_M
ClientSampleId :
S-2DL2



Tgt Ion:202 Resp: 54675
Ion Ratio Lower Upper
202 100
101 14.1 0.0 31.7
203 17.6 0.0 37.6

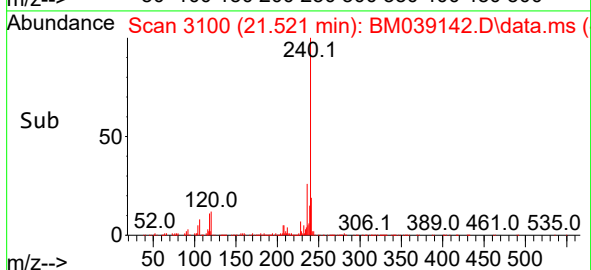
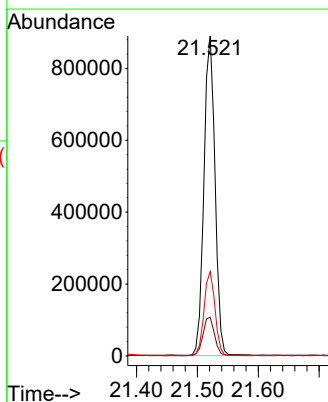
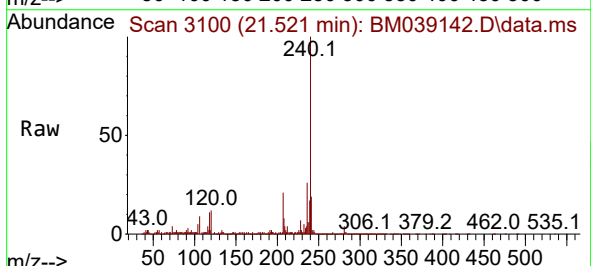
Manual Integrations
APPROVED

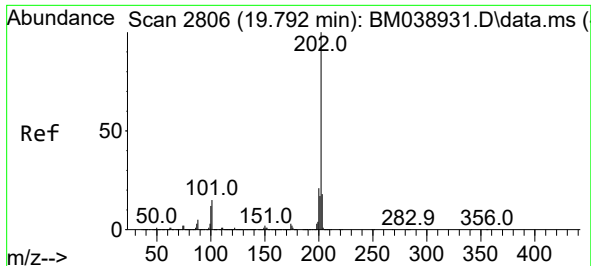
Reviewed By :Christian Giraldo 03/27/2023
Supervised By :Jagrut Upadhyay 03/27/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.521 min Scan# 3100
Delta R.T. -0.006 min
Lab File: BM039142.D
Acq: 24 Mar 2023 15:17

Tgt Ion:240 Resp: 1127252
Ion Ratio Lower Upper
240 100
120 12.1 9.2 13.8
236 26.4 20.8 31.2





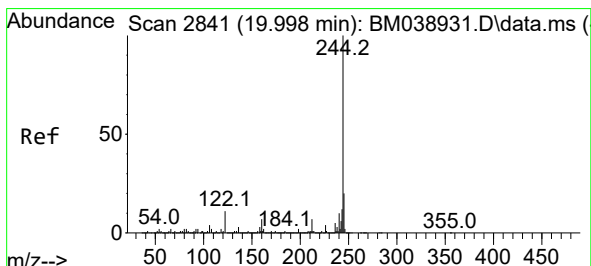
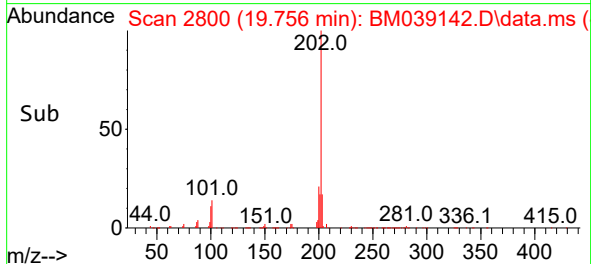
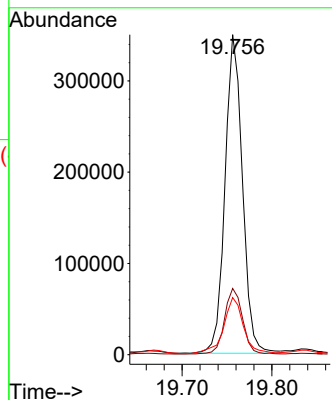
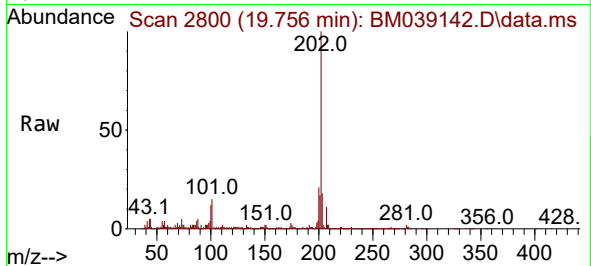
#78
Pyrene
Concen: 5.566 ng
RT: 19.756 min Scan# 2806
Delta R.T. -0.006 min
Lab File: BM039142.D
Acq: 24 Mar 2023 15:17

Instrument :
BNA_M
ClientSampleId :
S-2DL2

Tgt Ion:202 Resp: 471208
Ion Ratio Lower Upper
202 100
200 20.7 17.1 25.7
203 17.8 14.1 21.1

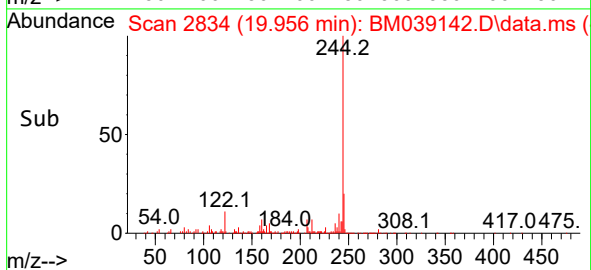
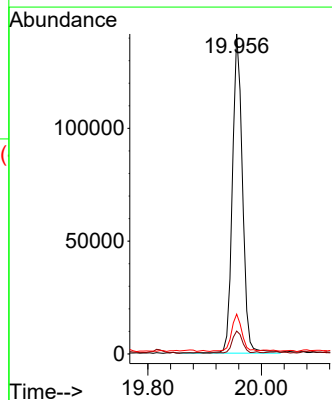
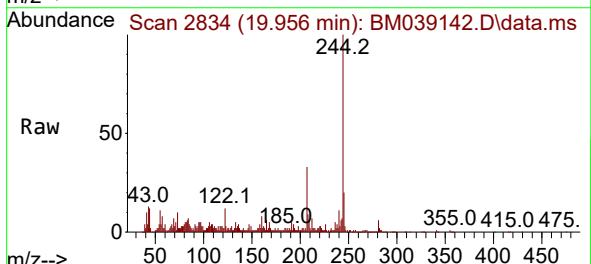
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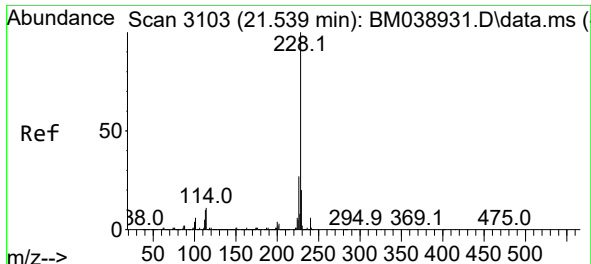
Reviewed By :Christian Giraldo 03/27/2023
Supervised By :Jagrut Upadhyay 03/27/2023



#79
Terphenyl-d14
Concen: 2.813 ng
RT: 19.956 min Scan# 2834
Delta R.T. -0.006 min
Lab File: BM039142.D
Acq: 24 Mar 2023 15:17

Tgt Ion:244 Resp: 173412
Ion Ratio Lower Upper
244 100
212 7.1 5.5 8.3
122 12.4 9.0 13.4





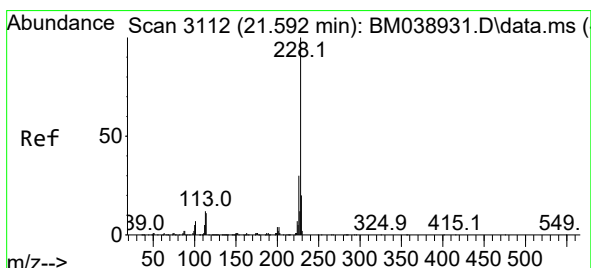
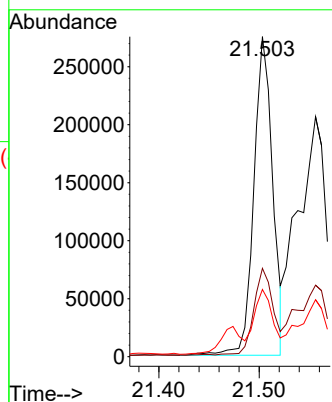
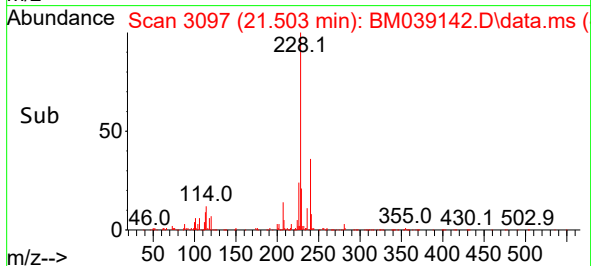
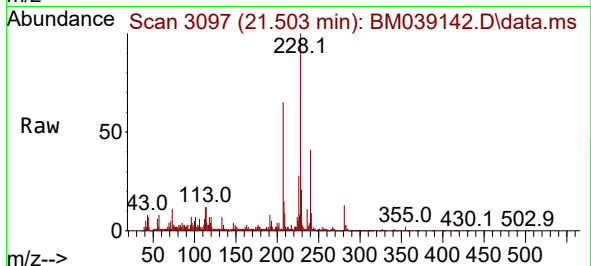
#81
Benzo(a)anthracene
Concen: 4.417 ng
RT: 21.503 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM039142.D
Acq: 24 Mar 2023 15:17

Instrument :
BNA_M
ClientSampleId :
S-2DL2

Tgt Ion:228 Resp: 358564
Ion Ratio Lower Upper
228 100
226 27.6 21.4 32.2
229 21.0 15.7 23.5

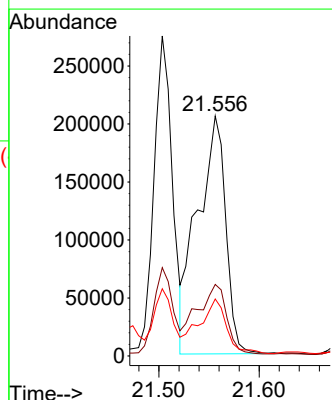
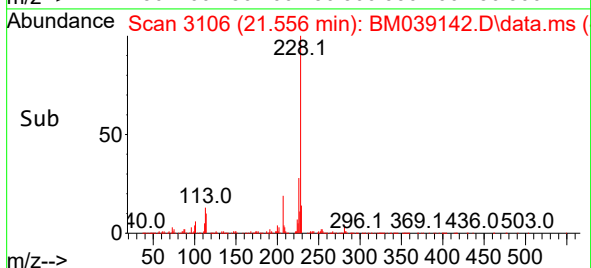
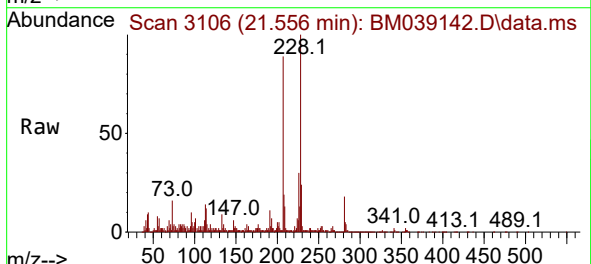
Manual Integrations
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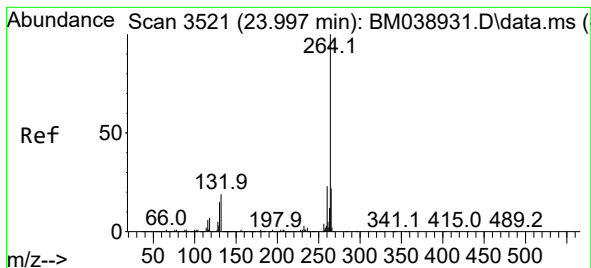
Reviewed By :Christian Giraldo 03/27/2023
Supervised By :Jagrut Upadhyay 03/27/2023



#83
Chrysene
Concen: 5.086 ng
RT: 21.556 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM039142.D
Acq: 24 Mar 2023 15:17

Tgt Ion:228 Resp: 401571
Ion Ratio Lower Upper
228 100
226 29.8 24.0 36.0
229 23.7 16.0 24.0





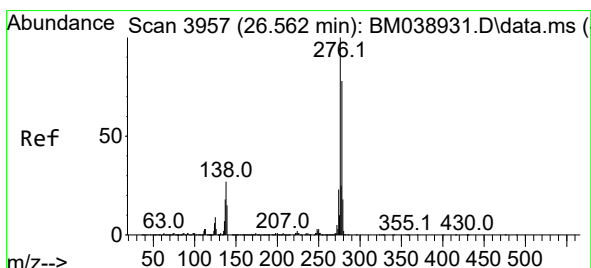
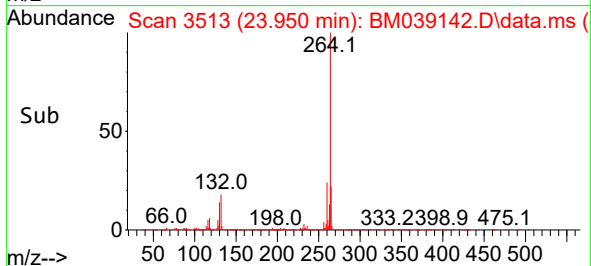
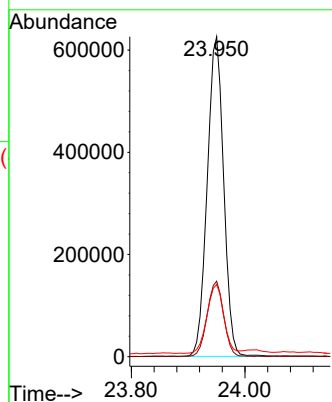
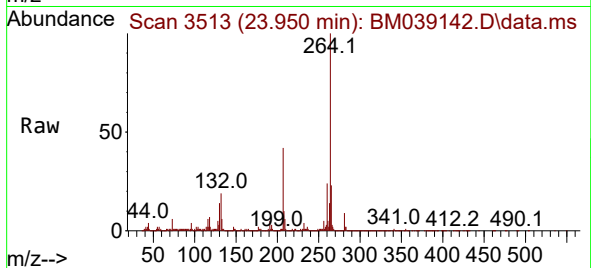
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.950 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039142.D
Acq: 24 Mar 2023 15:17

Instrument :
BNA_M
ClientSampleId :
S-2DL2

Tgt Ion:264 Resp: 1252280
Ion Ratio Lower Upper
264 100
260 23.6 18.7 28.1
265 22.6 17.9 26.9

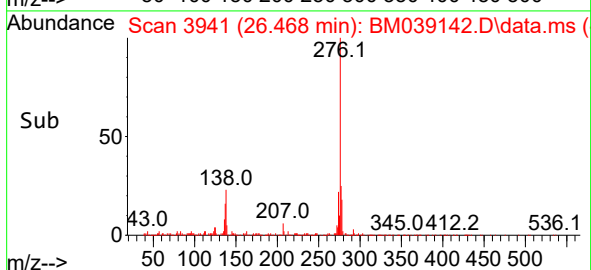
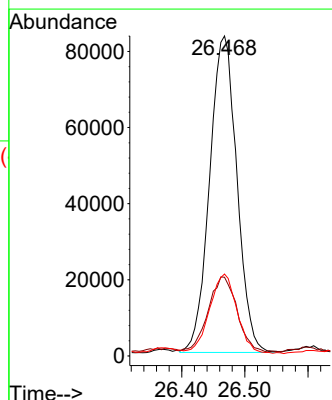
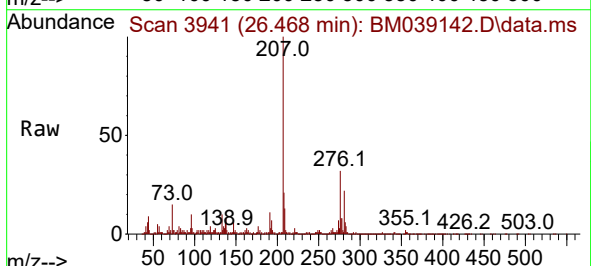
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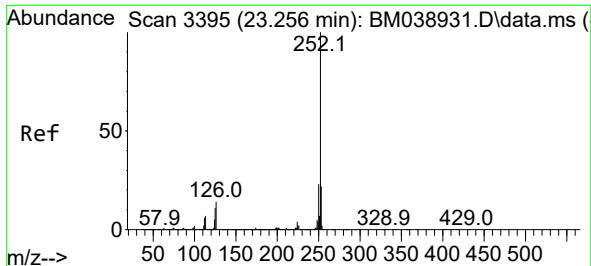
Reviewed By :Christian Giraldo 03/27/2023
Supervised By :Jagrut Upadhyay 03/27/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.619 ng
RT: 26.468 min Scan# 3941
Delta R.T. -0.024 min
Lab File: BM039142.D
Acq: 24 Mar 2023 15:17

Tgt Ion:276 Resp: 249517
Ion Ratio Lower Upper
276 100
138 25.3 22.1 33.1
277 25.5 20.1 30.1





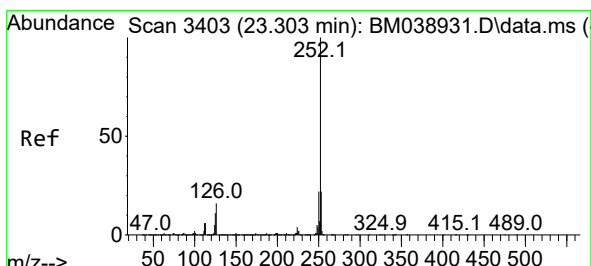
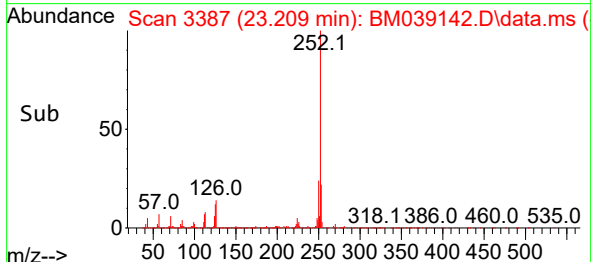
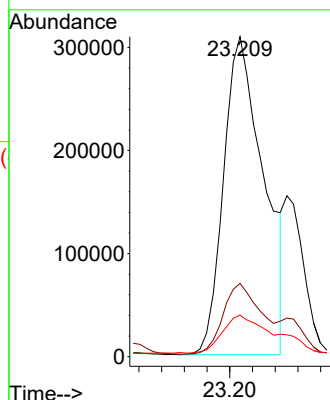
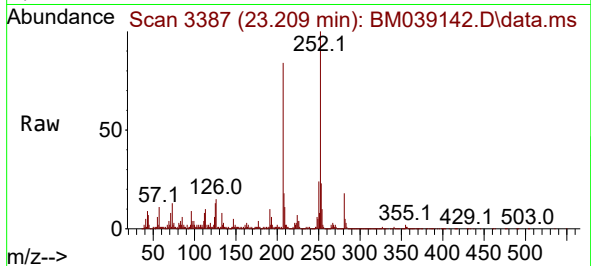
#88
Benzo(b)fluoranthene
Concen: 9.459 ng
RT: 23.209 min Scan# 3387
Delta R.T. -0.006 min
Lab File: BM039142.D
Acq: 24 Mar 2023 15:17

Instrument :
BNA_M
ClientSampleId :
S-2DL2

Tgt Ion:252 Resp: 756769
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 13.0 8.8 13.2

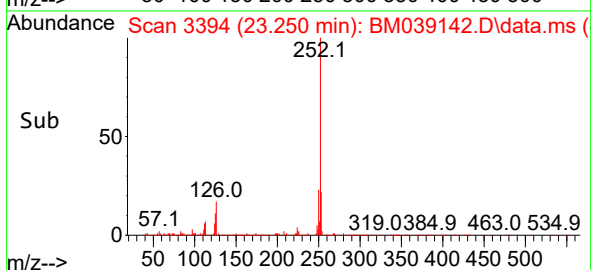
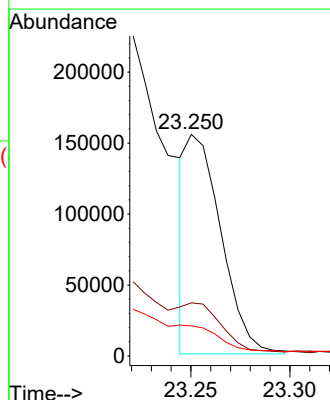
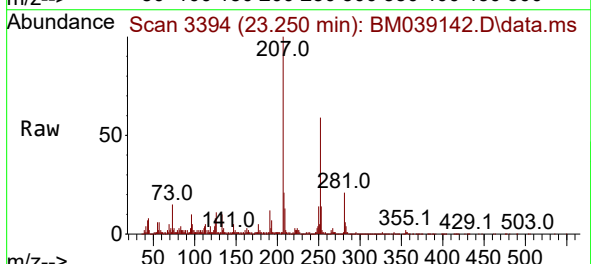
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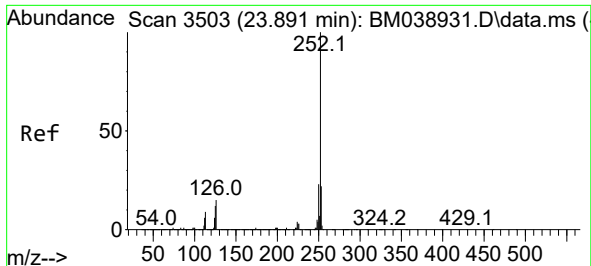
Reviewed By :Christian Giraldo 03/27/2023
Supervised By :Jagrut Upadhyay 03/27/2023



#89
Benzo(k)fluoranthene
Concen: 2.251 ng m
RT: 23.250 min Scan# 3394
Delta R.T. -0.018 min
Lab File: BM039142.D
Acq: 24 Mar 2023 15:17

Tgt Ion:252 Resp: 187413
Ion Ratio Lower Upper
252 100
253 24.0 17.5 26.3
125 13.6 8.9 13.3#





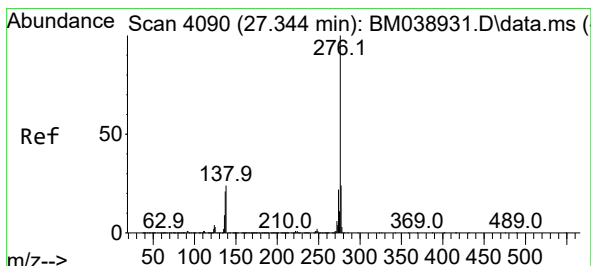
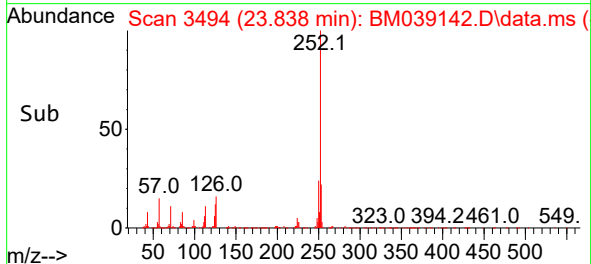
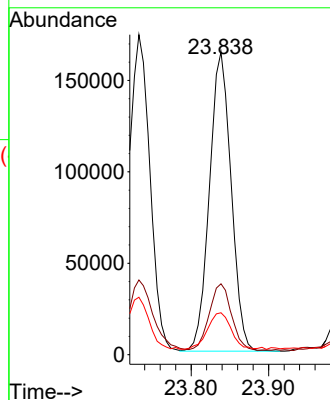
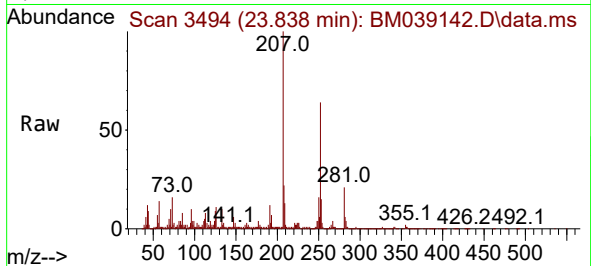
#90
Benzo(a)pyrene
Concen: 4.129 ng
RT: 23.838 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM039142.D
Acq: 24 Mar 2023 15:17

Instrument :
BNA_M
ClientSampleId :
S-2DL2

Tgt Ion:252 Resp: 31795
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 13.9 9.8 14.8

Manual Integrations
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Reviewed By :Christian Giraldo 03/27/2023
Supervised By :Jagrut Upadhyay 03/27/2023



#92
Benzo(g,h,i)perylene
Concen: 2.849 ng
RT: 27.244 min Scan# 4073
Delta R.T. -0.029 min
Lab File: BM039142.D
Acq: 24 Mar 2023 15:17

Tgt Ion:276 Resp: 224913
Ion Ratio Lower Upper
276 100
277 24.4 19.3 28.9
138 25.3 19.0 28.6

