

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041123\
 Data File : BM039396.D
 Acq On : 11 Apr 2023 16:43
 Operator : CG/JU
 Sample : 02260-07DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SP-1CDL

Quant Time: Apr 12 03:13:37 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	228965	20.000	ng	0.00
21) Naphthalene-d8	10.675	136	955729	20.000	ng	0.00
39) Acenaphthene-d10	14.515	164	586831	20.000	ng	0.00
64) Phenanthrene-d10	17.268	188	1239691	20.000	ng	0.00
76) Chrysene-d12	21.462	240	1142250	20.000	ng	0.00
86) Perylene-d12	23.850	264	1366798	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	195007	12.832	ng	0.00
7) Phenol-d6	7.039	99	253199	12.881	ng	0.00
23) Nitrobenzene-d5	9.033	82	134734	6.852	ng	0.00
42) 2,4,6-Tribromophenol	16.009	330	92466	12.413	ng	0.00
45) 2-Fluorobiphenyl	13.139	172	311479	7.192	ng	0.00
79) Terphenyl-d14	19.897	244	521187	8.430	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.309	178	1128765	16.625	ng	100
72) Anthracene	17.403	178	199519	2.882	ng	99
75) Fluoranthene	19.333	202	1430736	18.486	ng	99
78) Pyrene	19.692	202	1120381	13.778	ng	99
81) Benzo(a)anthracene	21.444	228	582065	7.225	ng	99
83) Chrysene	21.497	228	585545	7.529	ng	97
87) Indeno(1,2,3-cd)pyrene	26.321	276	264553	2.627	ng	95
88) Benzo(b)fluoranthene	23.127	252	677937	8.106	ng	96
89) Benzo(k)fluoranthene	23.168	252	248437m	2.916	ng	
90) Benzo(a)pyrene	23.744	252	429560	5.229	ng	# 96
92) Benzo(g,h,i)perylene	27.085	276	235175	2.828	ng	96

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

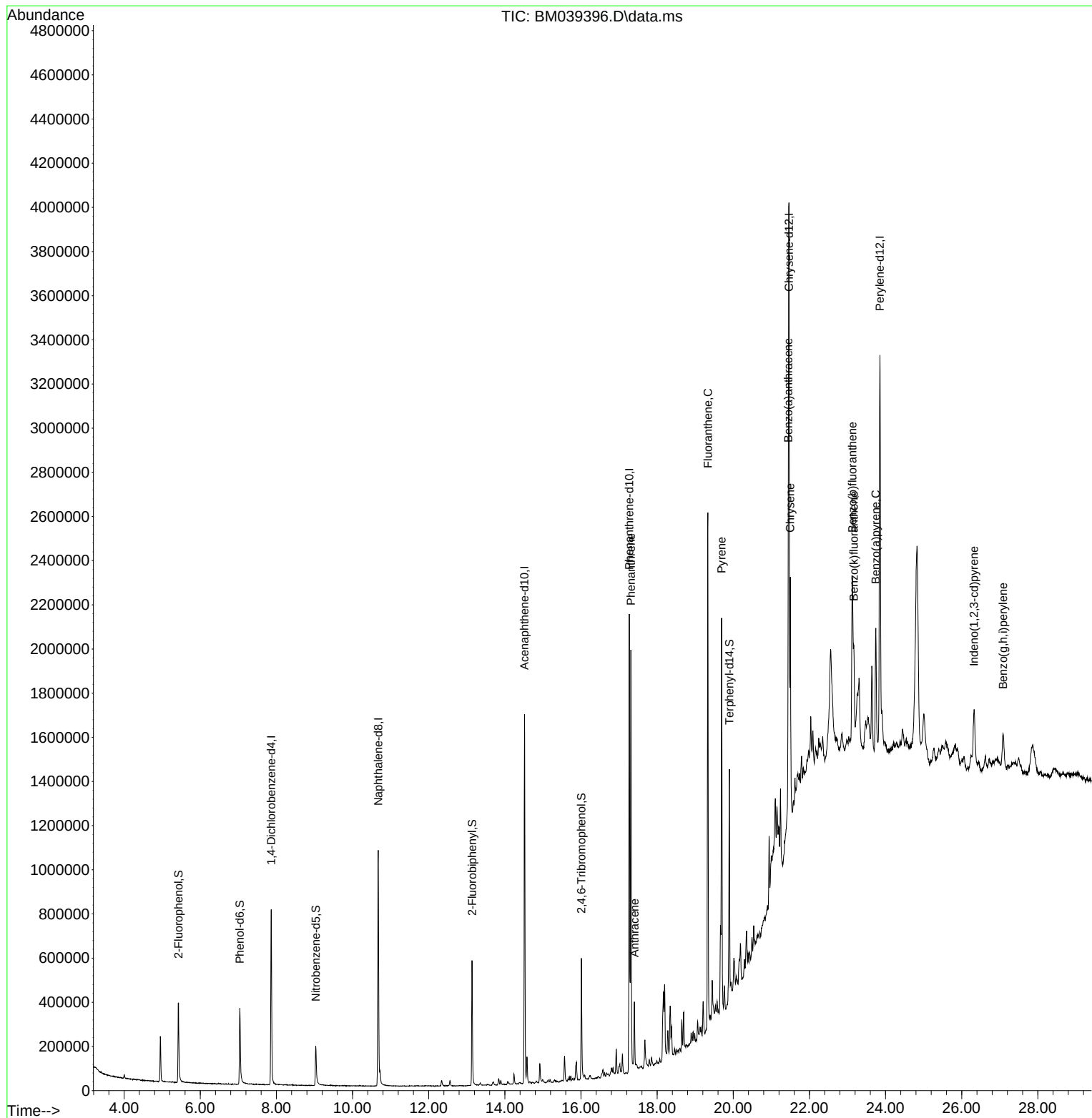
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041123\
Data File : BM039396.D
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Misc :
ALS Vial : 9 Sample Multiplier: 1

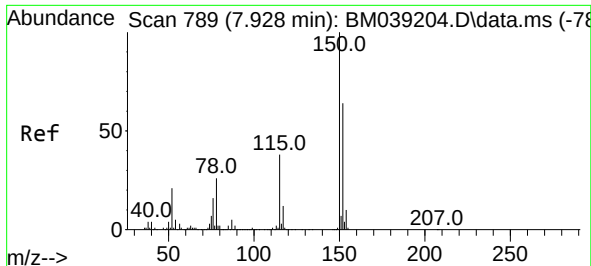
Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
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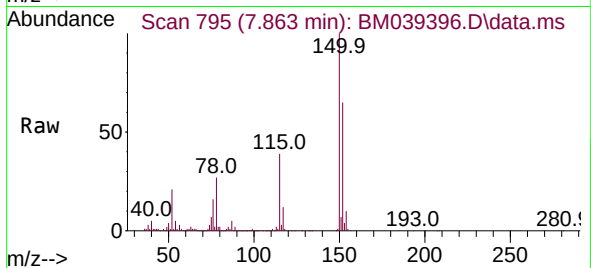
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 795
Delta R.T. -0.000 min
Lab File: BM039396.D
Acq: 11 Apr 2023 16:43

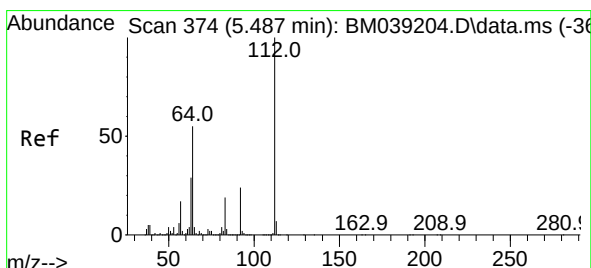
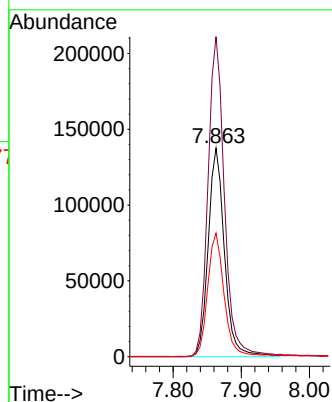
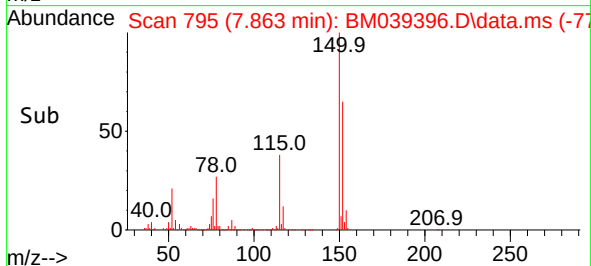
Instrument :
BNA_M
ClientSampleId :
SP-1CDL



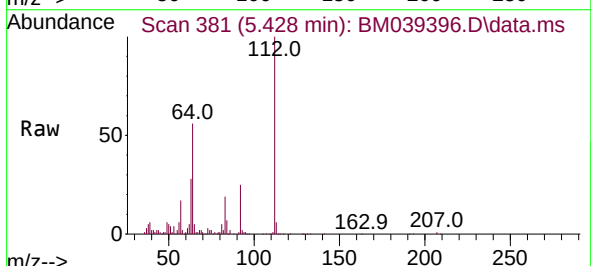
Tgt Ion:152 Resp: 22896
Ion Ratio Lower Upper
152 100
150 153.5 125.5 188.3
115 59.2 48.1 72.1

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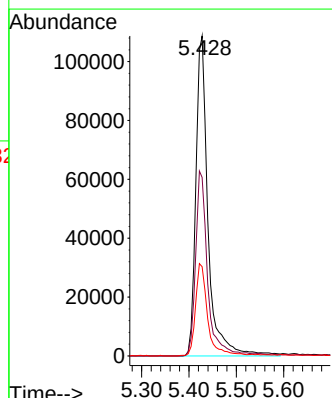
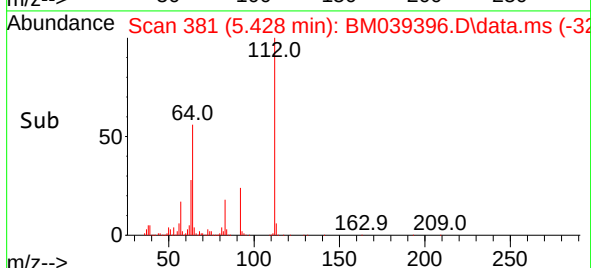
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

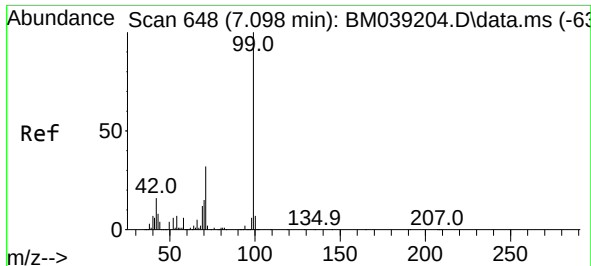


#5
2-Fluorophenol
Concen: 12.832 ng
RT: 5.428 min Scan# 381
Delta R.T. 0.006 min
Lab File: BM039396.D
Acq: 11 Apr 2023 16:43



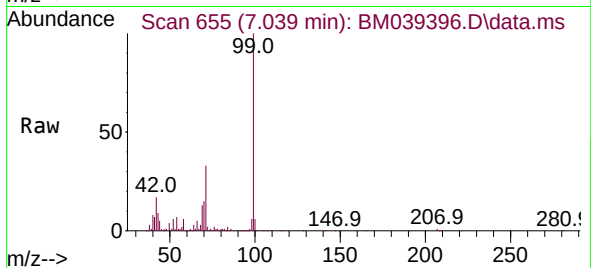
Tgt Ion:112 Resp: 195007
Ion Ratio Lower Upper
112 100
64 55.8 44.3 66.5
63 27.9 23.0 34.6





#7
Phenol-d6
Concen: 12.881 ng
RT: 7.039 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM039396.D
Acq: 11 Apr 2023 16:43

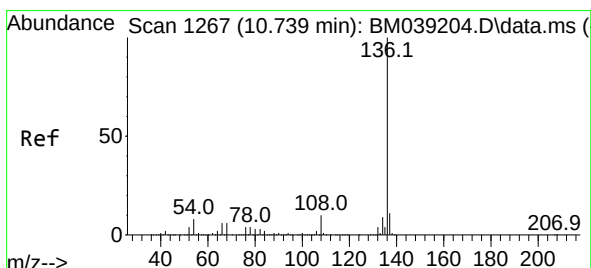
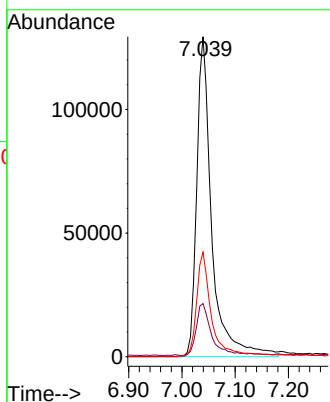
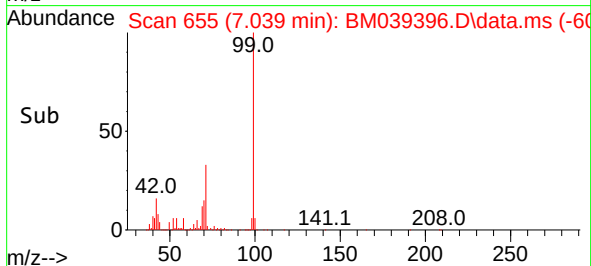
Instrument :
BNA_M
ClientSampleId :
SP-1CDL



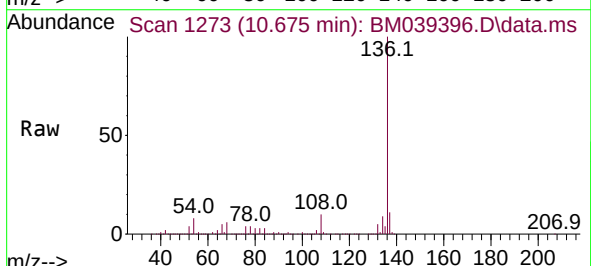
Tgt Ion: 99 Resp: 253199
Ion Ratio Lower Upper
99 100
42 16.6 13.0 19.6
71 32.7 25.5 38.3

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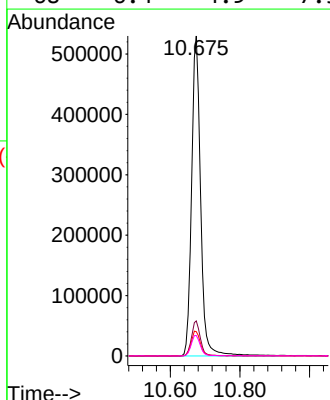
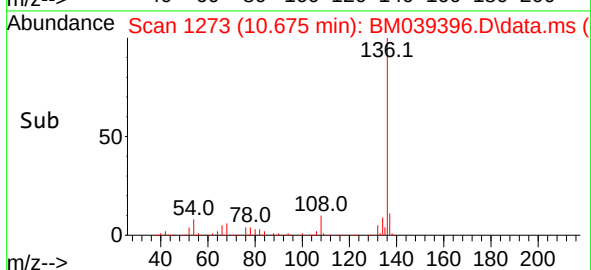
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

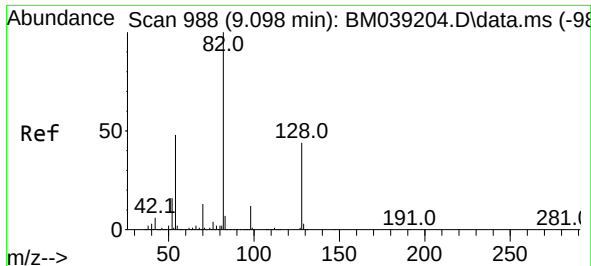


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.675 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BM039396.D
Acq: 11 Apr 2023 16:43



Tgt Ion:136 Resp: 955729
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.6 6.2 9.4
68 6.4 4.9 7.3





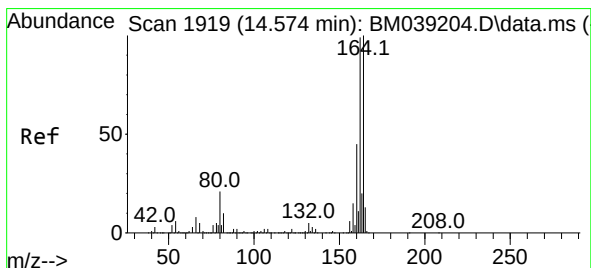
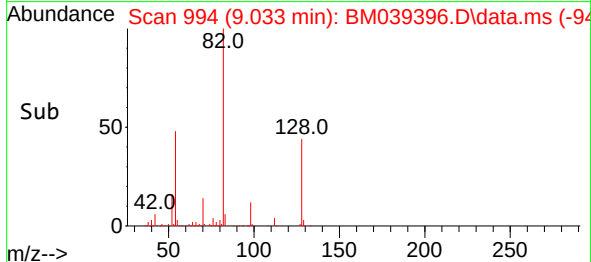
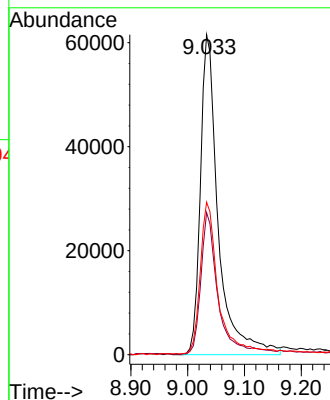
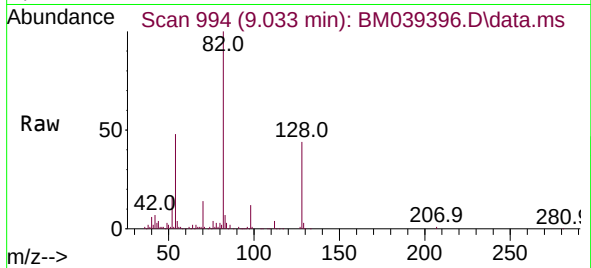
#23
Nitrobenzene-d5
Concen: 6.852 ng
RT: 9.033 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM039396.D
Acq: 11 Apr 2023 16:43

Instrument :
BNA_M
ClientSampleId :
SP-1CDL

Tgt Ion: 82 Resp: 134734
Ion Ratio Lower Upper
82 100
128 44.4 35.1 52.7
54 47.7 38.5 57.7

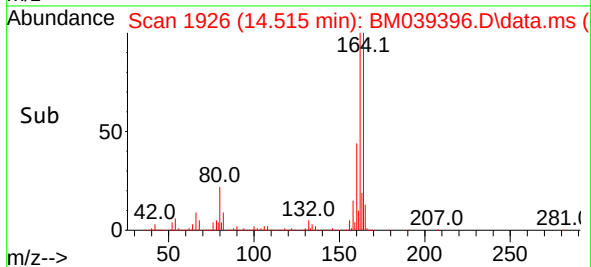
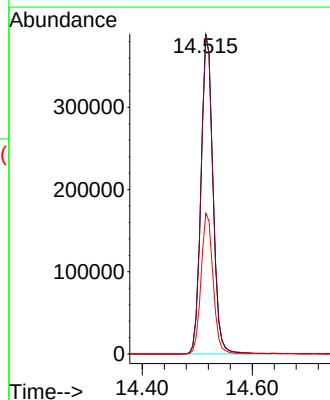
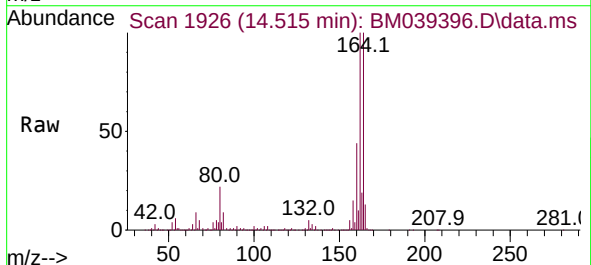
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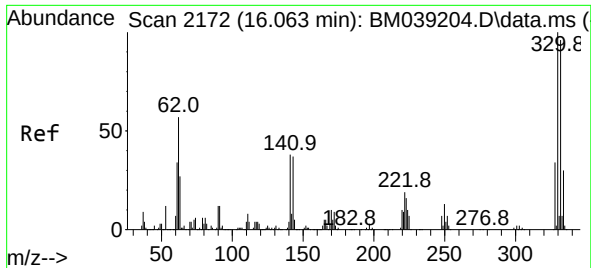
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.515 min Scan# 1926
Delta R.T. -0.000 min
Lab File: BM039396.D
Acq: 11 Apr 2023 16:43

Tgt Ion:164 Resp: 586831
Ion Ratio Lower Upper
164 100
162 99.6 79.1 118.7
160 44.0 35.8 53.8





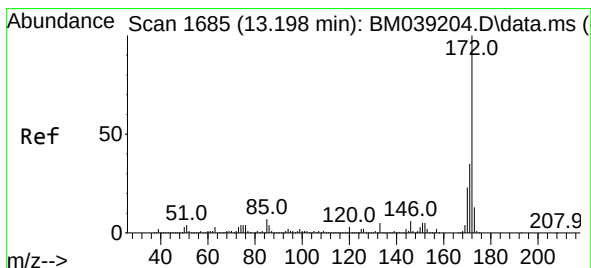
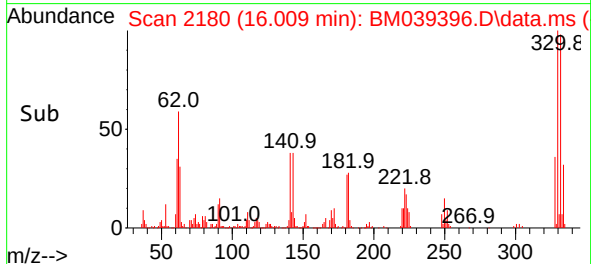
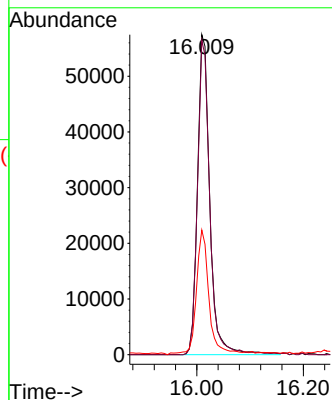
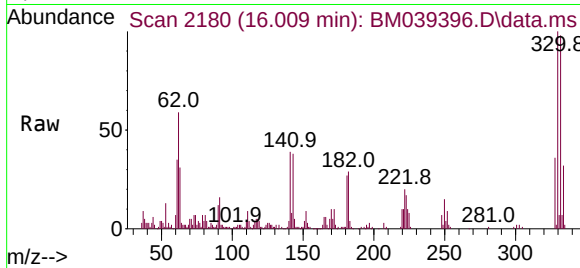
#42
2,4,6-Tribromophenol
Concen: 12.413 ng
RT: 16.009 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BM039396.D
Acq: 11 Apr 2023 16:43

Instrument :
BNA_M
ClientSampleId :
SP-1CDL

Tgt Ion:330 Resp: 92460
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.0
141 39.8 29.8 44.6

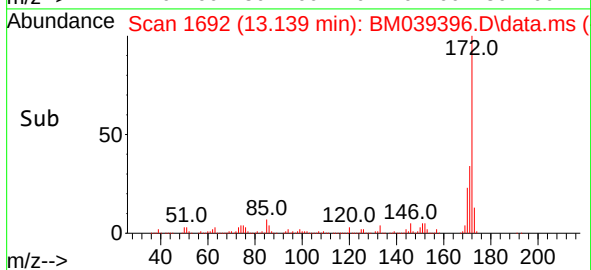
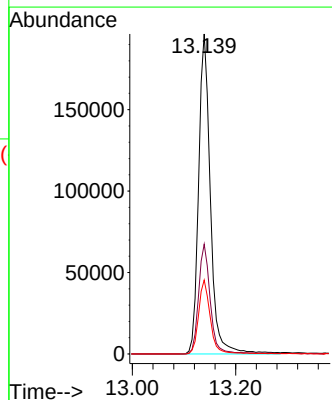
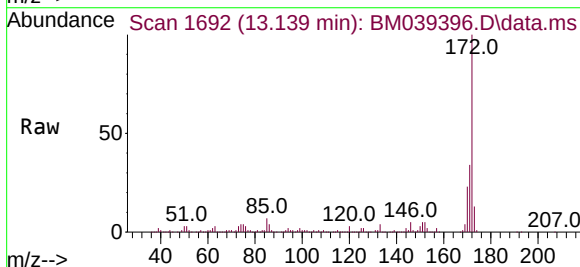
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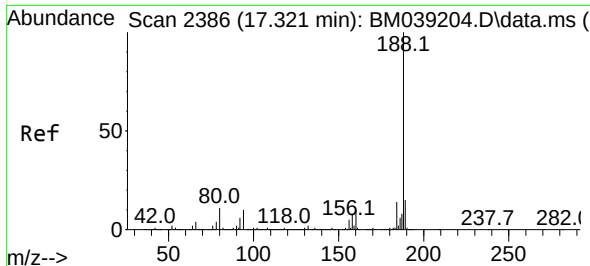
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#45
2-Fluorobiphenyl
Concen: 7.192 ng
RT: 13.139 min Scan# 1692
Delta R.T. -0.000 min
Lab File: BM039396.D
Acq: 11 Apr 2023 16:43

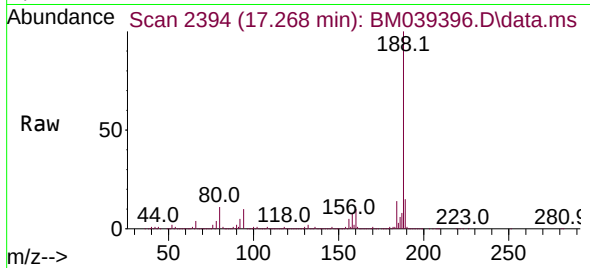
Tgt Ion:172 Resp: 311479
Ion Ratio Lower Upper
172 100
171 34.3 28.0 42.0
170 23.1 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.268 min Scan# 2400
Delta R.T. -0.000 min
Lab File: BM039396.D
Acq: 11 Apr 2023 16:43

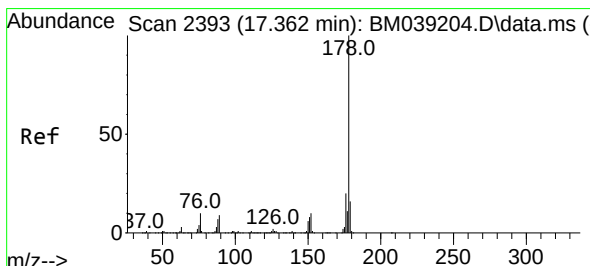
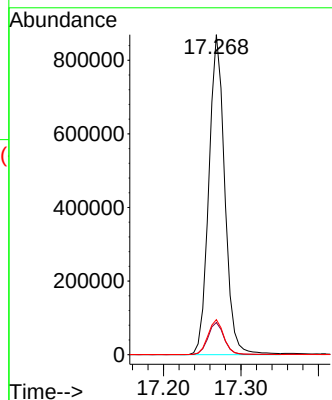
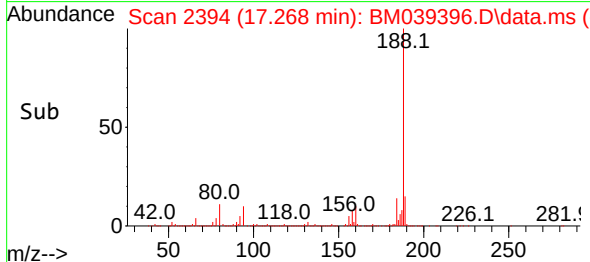
Instrument :
BNA_M
ClientSampleId :
SP-1CDL



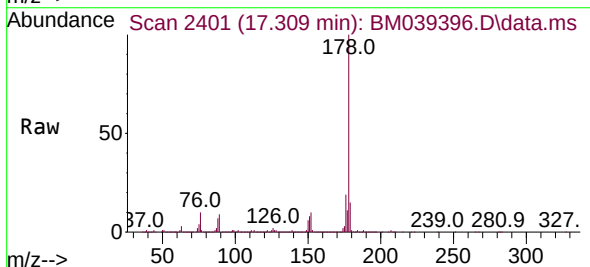
Tgt Ion:188 Resp: 123969
Ion Ratio Lower Upper
188 100
94 10.0 8.2 12.4
80 10.9 8.9 13.3

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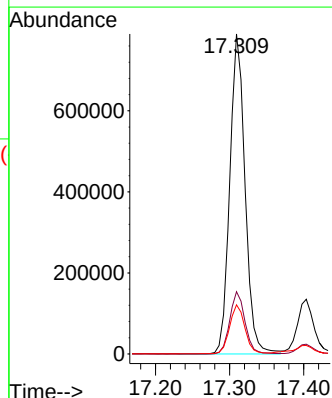
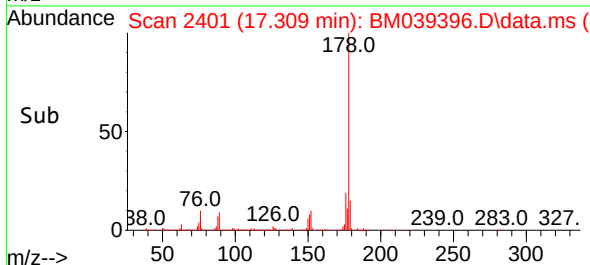
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

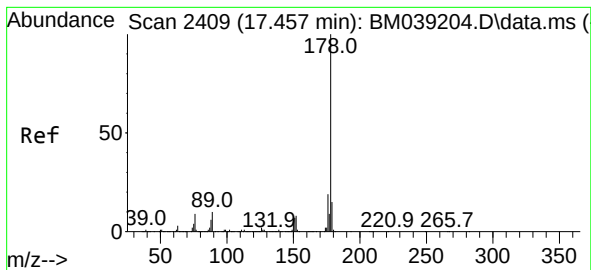


#71
Phenanthrene
Concen: 16.625 ng
RT: 17.309 min Scan# 2401
Delta R.T. -0.000 min
Lab File: BM039396.D
Acq: 11 Apr 2023 16:43



Tgt Ion:178 Resp: 1128765
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.3 12.4 18.6





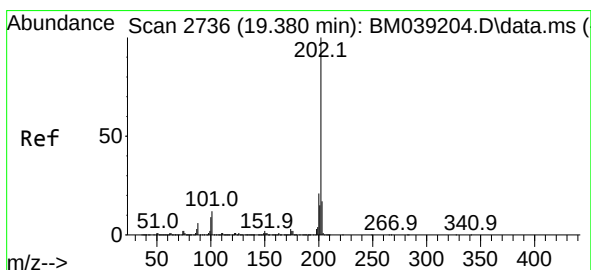
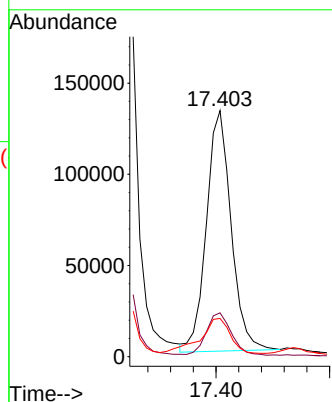
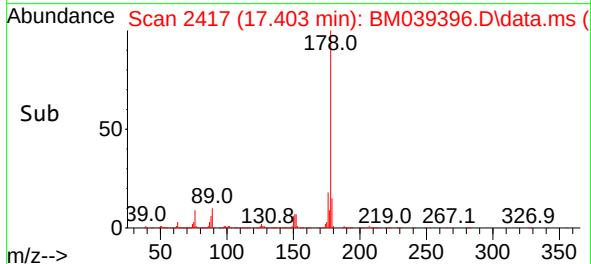
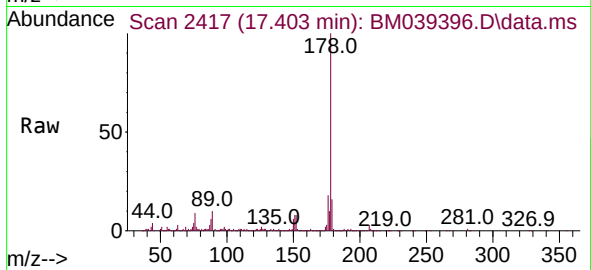
#72
 Anthracene
 Concen: 2.882 ng
 RT: 17.403 min Scan# 2409
 Delta R.T. -0.000 min
 Lab File: BM039396.D
 Acq: 11 Apr 2023 16:43

Instrument :
 BNA_M
 ClientSampleId :
 SP-1CDL

Tgt Ion:178 Resp: 199519
 Ion Ratio Lower Upper
 178 100
 176 17.8 14.9 22.3
 179 15.6 12.2 18.2

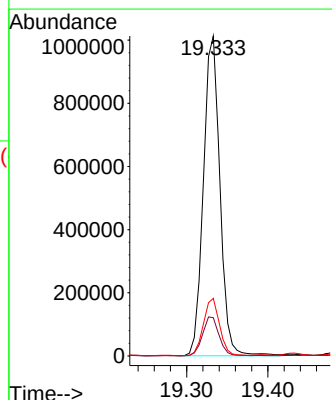
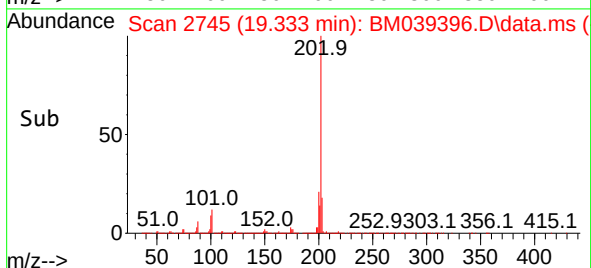
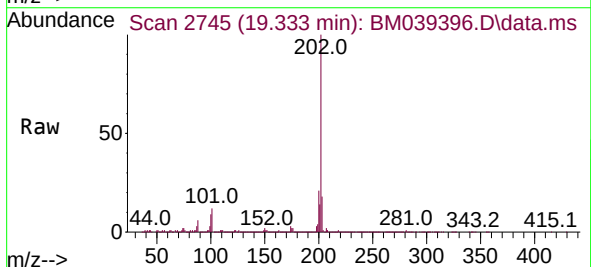
Manual Integrations
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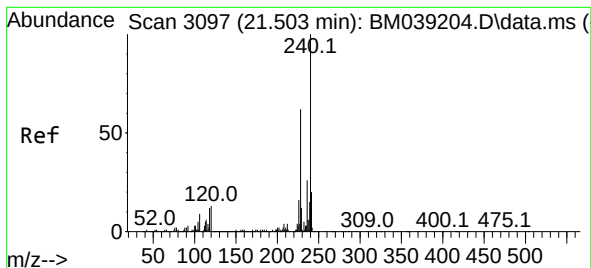
Reviewed By :Christian Giraldo 04/12/2023
 Supervised By :Jagrut Upadhyay 04/12/2023



#75
 Fluoranthene
 Concen: 18.486 ng
 RT: 19.333 min Scan# 2745
 Delta R.T. -0.000 min
 Lab File: BM039396.D
 Acq: 11 Apr 2023 16:43

Tgt Ion:202 Resp: 1430736
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 32.5
 203 18.0 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: BM039396.D

Acq: 11 Apr 2023 16:43

Instrument :

BNA_M

ClientSampleId :

SP-1CDL

Tgt Ion:240 Resp: 1142250

Ion Ratio Lower Upper

240 100

120 12.1 10.2 15.2

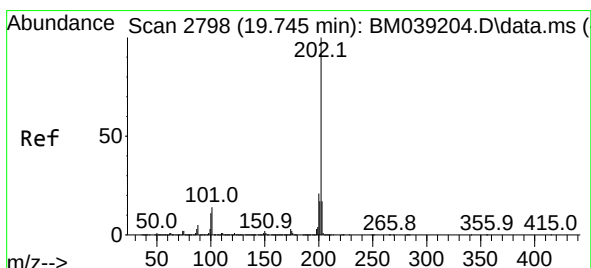
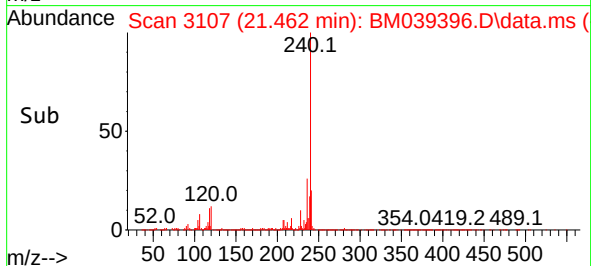
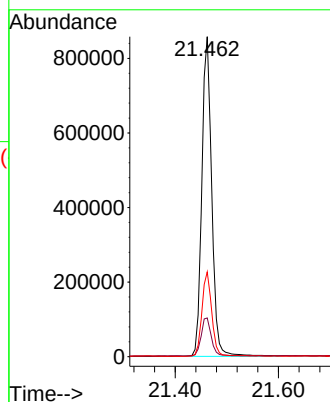
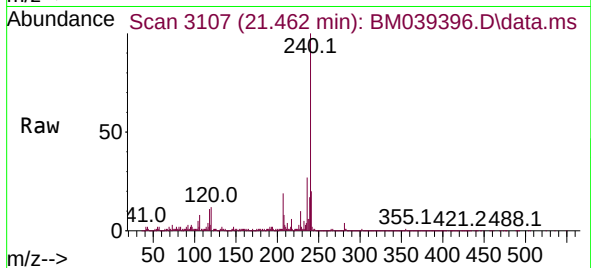
236 26.5 20.9 31.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/12/2023

Supervised By :Jagrut Upadhyay 04/12/2023



#78

Pyrene

Concen: 13.778 ng

RT: 19.692 min Scan# 2806

Delta R.T. -0.006 min

Lab File: BM039396.D

Acq: 11 Apr 2023 16:43

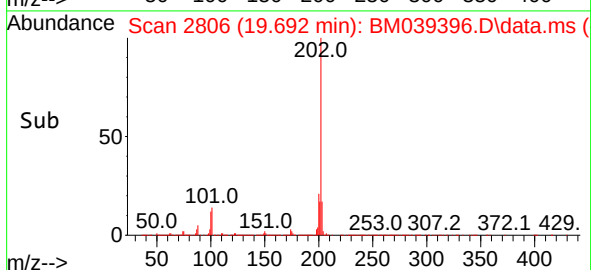
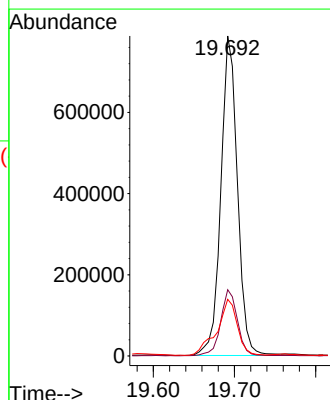
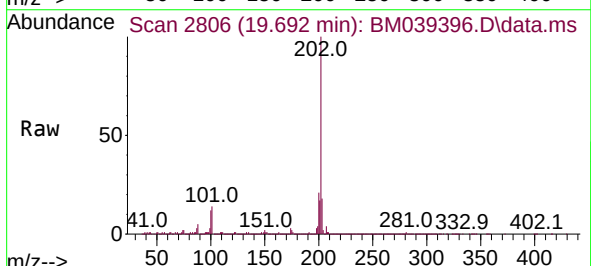
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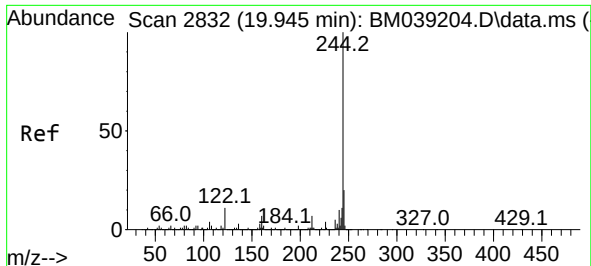
Ion Ratio Lower Upper

202 100

200 20.7 17.1 25.7

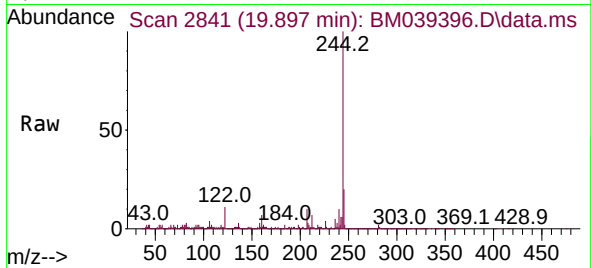
203 17.7 13.9 20.9





#79
 Terphenyl-d14
 Concen: 8.430 ng
 RT: 19.897 min Scan# 2118
 Delta R.T. -0.000 min
 Lab File: BM039396.D
 Acq: 11 Apr 2023 16:43

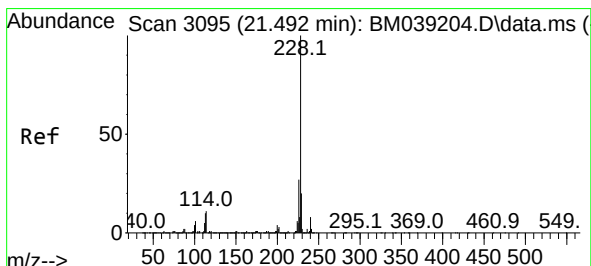
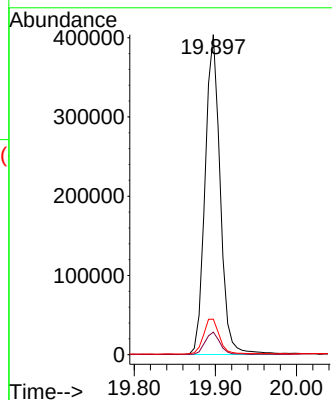
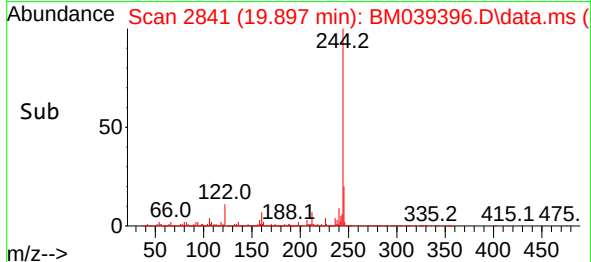
Instrument :
 BNA_M
 ClientSampleId :
 SP-1CDL



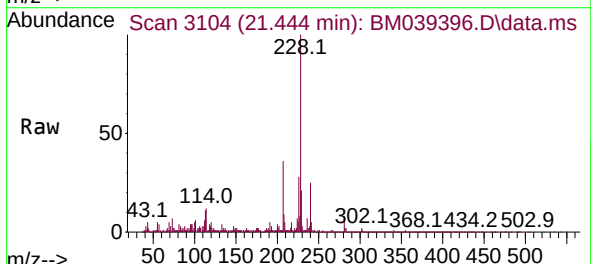
Tgt Ion:244 Resp: 52118
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.6 8.4
 122 11.1 9.1 13.7

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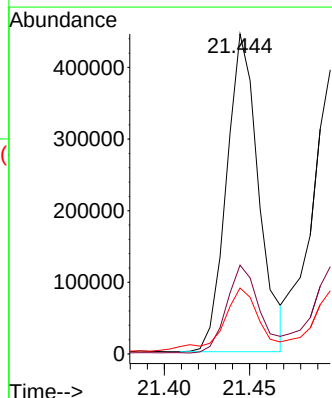
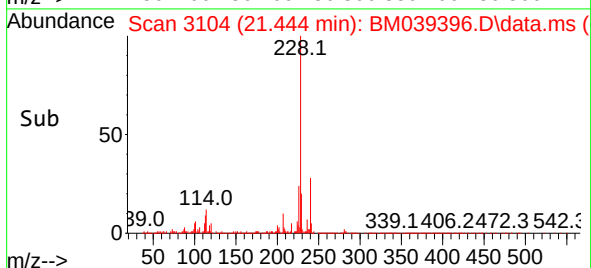
Reviewed By :Christian Giraldo 04/12/2023
 Supervised By :Jagrut Upadhyay 04/12/2023

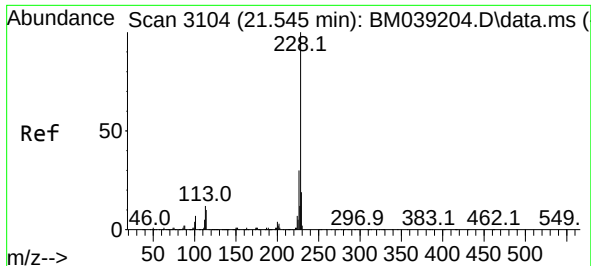


#81
 Benzo(a)anthracene
 Concen: 7.225 ng
 RT: 21.444 min Scan# 3104
 Delta R.T. -0.000 min
 Lab File: BM039396.D
 Acq: 11 Apr 2023 16:43



Tgt Ion:228 Resp: 582065
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.9 32.9
 229 20.6 15.8 23.6





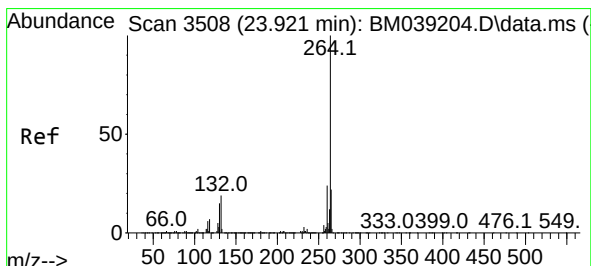
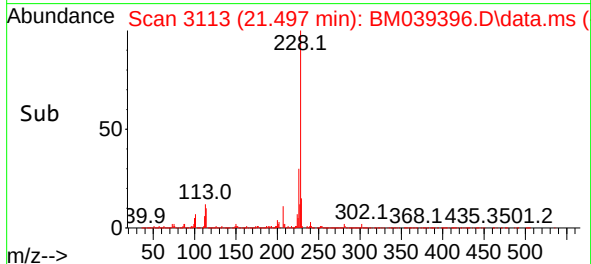
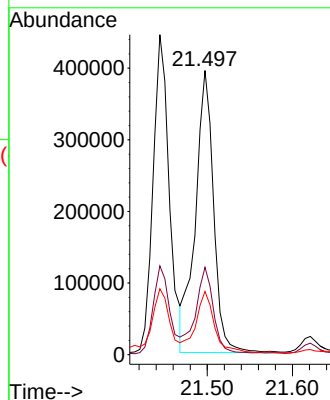
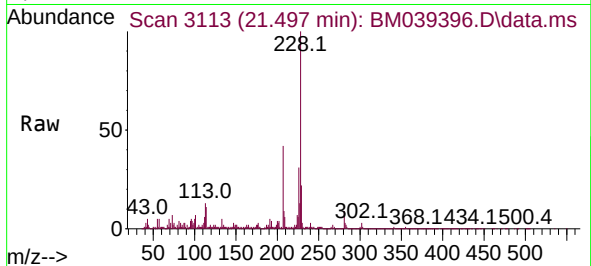
#83
Chrysene
Concen: 7.529 ng
RT: 21.497 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BM039396.D
Acq: 11 Apr 2023 16:43

Instrument :
BNA_M
ClientSampleId :
SP-1CDL

Tgt Ion:228 Resp: 585549
Ion Ratio Lower Upper
228 100
226 30.8 24.1 36.1
229 22.2 15.5 23.3

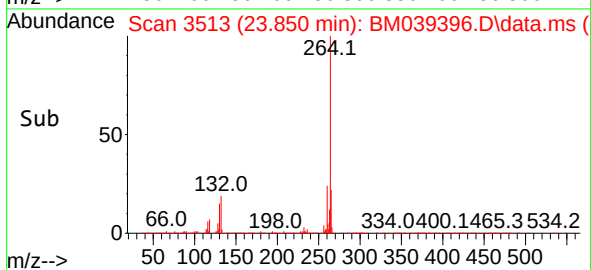
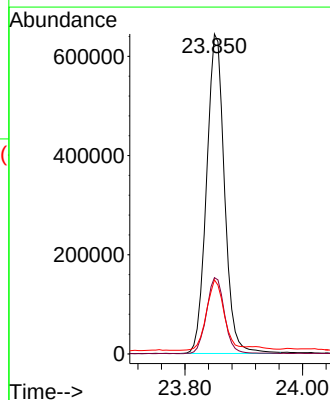
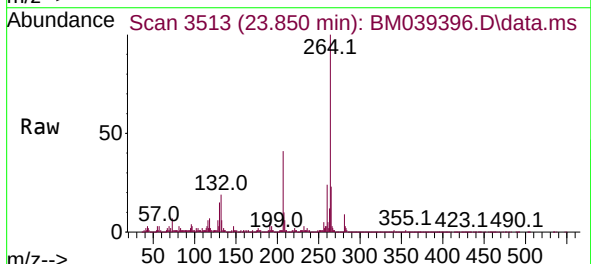
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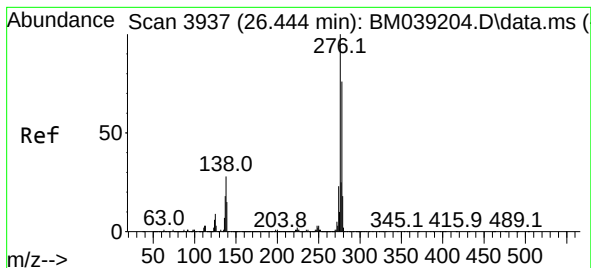
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.850 min Scan# 3513
Delta R.T. -0.000 min
Lab File: BM039396.D
Acq: 11 Apr 2023 16:43

Tgt Ion:264 Resp: 1366798
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.6
265 23.2 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.627 ng

RT: 26.321 min Scan# 3933

Delta R.T. -0.018 min

Lab File: BM039396.D

Acq: 11 Apr 2023 16:43

Instrument :

BNA_M

ClientSampleId :

SP-1CDL

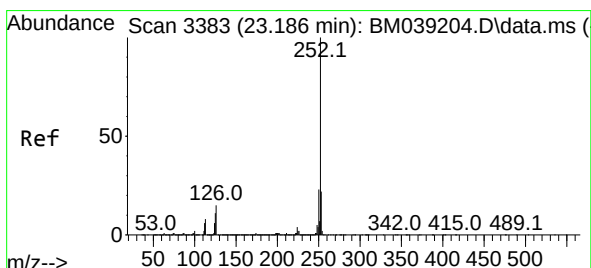
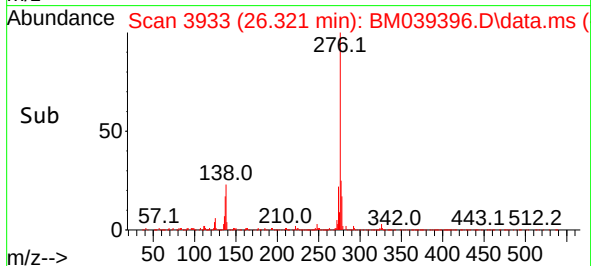
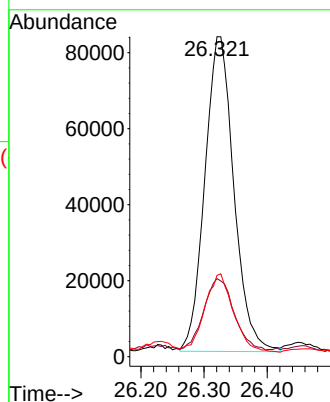
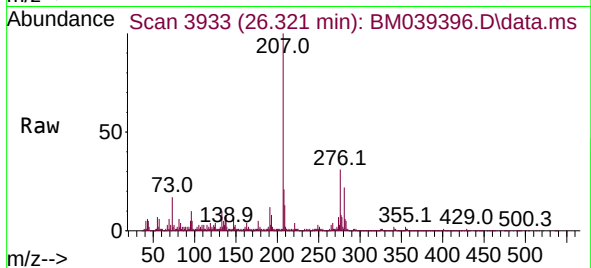
Tgt Ion:	276	Resp:	26455
Ion Ratio	Lower	Upper	
276	100		
138	23.5	22.2	33.2
277	24.7	20.2	30.2

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Reviewed By :Christian Giraldo 04/12/2023

Supervised By :Jagrut Upadhyay 04/12/2023



#88

Benzo(b)fluoranthene

Concen: 8.106 ng

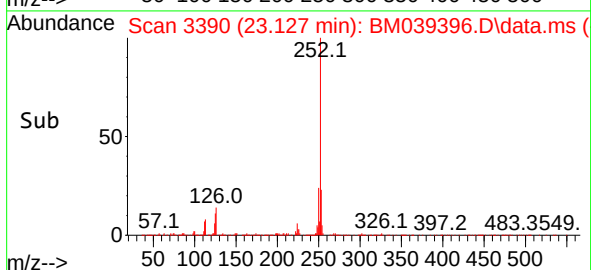
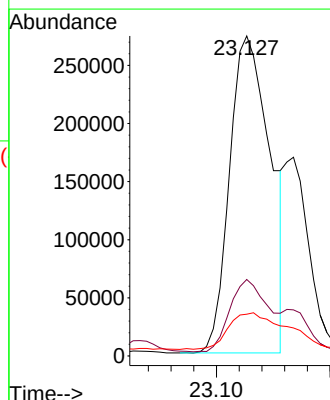
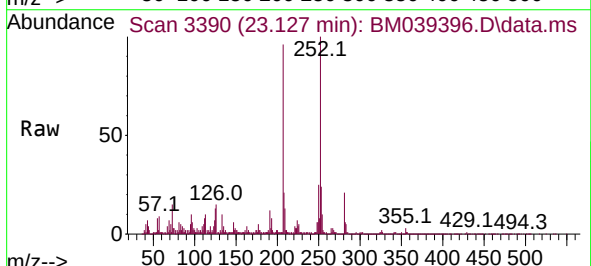
RT: 23.127 min Scan# 3390

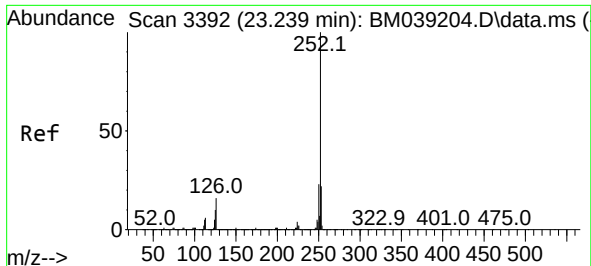
Delta R.T. -0.000 min

Lab File: BM039396.D

Acq: 11 Apr 2023 16:43

Tgt Ion:	252	Resp:	677937
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.6	26.4
125	13.0	9.0	13.6





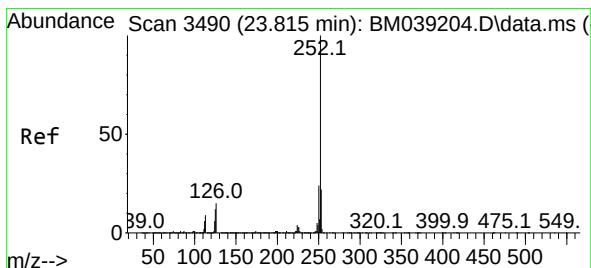
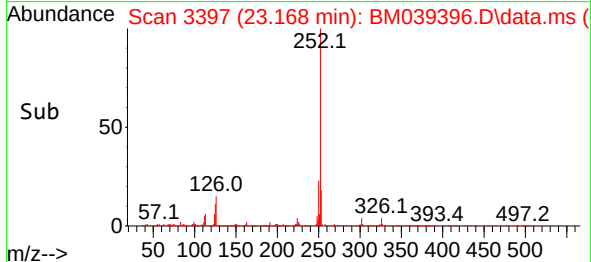
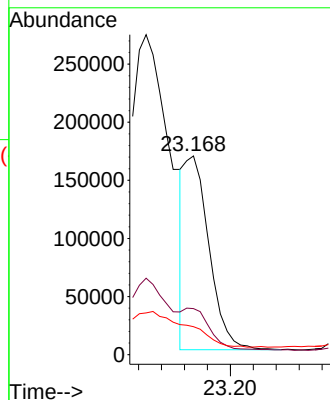
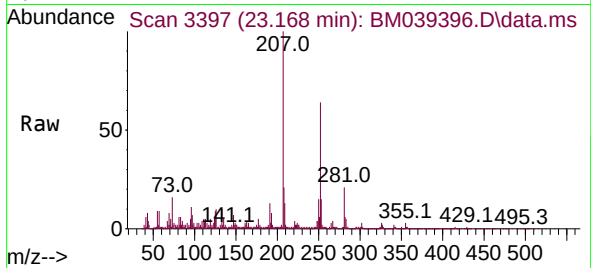
#89
Benzo(k)fluoranthene
Concen: 2.916 ng m
RT: 23.168 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039396.D
Acq: 11 Apr 2023 16:43

Instrument :
BNA_M
ClientSampleId :
SP-1CDL

Tgt Ion:252 Resp: 24843
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 14.1 8.5 12.7

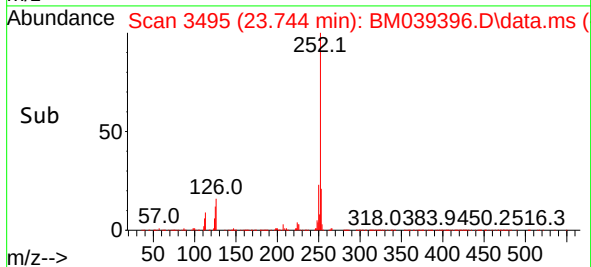
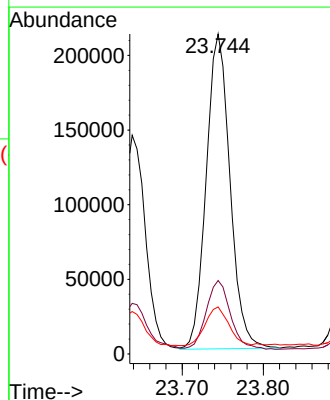
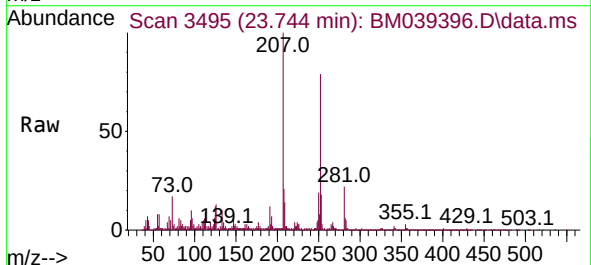
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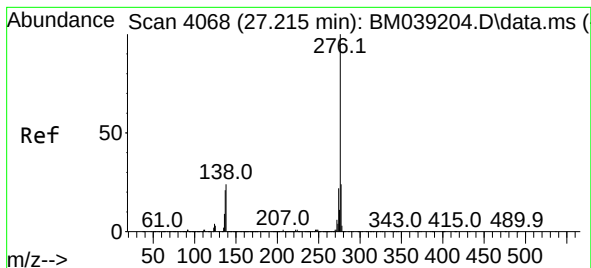
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#90
Benzo(a)pyrene
Concen: 5.229 ng
RT: 23.744 min Scan# 3495
Delta R.T. -0.006 min
Lab File: BM039396.D
Acq: 11 Apr 2023 16:43

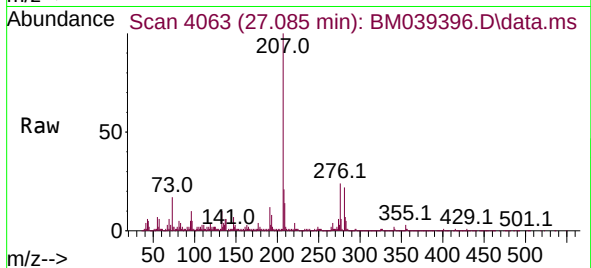
Tgt Ion:252 Resp: 429560
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 14.7 9.8 14.6





#92
 Benzo(g,h,i)perylene
 Concen: 2.828 ng
 RT: 27.085 min Scan# 4063
 Delta R.T. -0.018 min
 Lab File: BM039396.D
 Acq: 11 Apr 2023 16:43

Instrument :
 BNA_M
 ClientSampleId :
 SP-1CDL



Tgt Ion:	276	Resp:	23517
Ion Ratio	Lower	Upper	
276	100		
277	25.2	19.1	28.7
138	26.7	19.5	29.3

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

