

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
 Data File : BM039427.D
 Acq On : 14 Apr 2023 01:13
 Operator : CG/JU
 Sample : 02262-07DL 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JPP-1-040723DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/14/2023
 Supervised By : Jagrut Upadhyay 04/14/2023

Quant Time: Apr 14 05:20:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 11 16:05:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	246405	20.000	ng	0.00
21) Naphthalene-d8	10.669	136	1011538	20.000	ng	0.00
39) Acenaphthene-d10	14.515	164	604386	20.000	ng	0.00
64) Phenanthrene-d10	17.268	188	1241425	20.000	ng	0.00
76) Chrysene-d12	21.462	240	941564	20.000	ng	0.00
86) Perylene-d12	23.856	264	1055987	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	552795	33.800	ng	0.01
7) Phenol-d6	7.057	99	724788	34.263	ng	0.02
23) Nitrobenzene-d5	9.028	82	443946	21.331	ng	0.00
42) 2,4,6-Tribromophenol	16.015	330	255788	33.340	ng	0.00
45) 2-Fluorobiphenyl	13.133	172	996498	22.339	ng	0.00
79) Terphenyl-d14	19.897	244	1359054	26.668	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.239	152	197483	3.325	ng	98
71) Phenanthrene	17.309	178	1187794	17.470	ng	99
72) Anthracene	17.404	178	435467	6.281	ng	99
75) Fluoranthene	19.333	202	2708448	34.946	ng	99
78) Pyrene	19.698	202	2668528	39.811	ng	99
81) Benzo(a)anthracene	21.444	228	1285398	19.357	ng	97
83) Chrysene	21.497	228	1177221	18.364	ng	97
87) Indeno(1,2,3-cd)pyrene	26.332	276	954712	12.271	ng	95
88) Benzo(b)fluoranthene	23.127	252	1691696	26.182	ng	96
89) Benzo(k)fluoranthene	23.168	252	574379m	8.727	ng	
90) Benzo(a)pyrene	23.744	252	1328994	20.938	ng	96
91) Dibenzo(a,h)anthracene	26.332	278	229809	3.518	ng	# 78
92) Benzo(g,h,i)perylene	27.103	276	1004165	15.629	ng	98

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

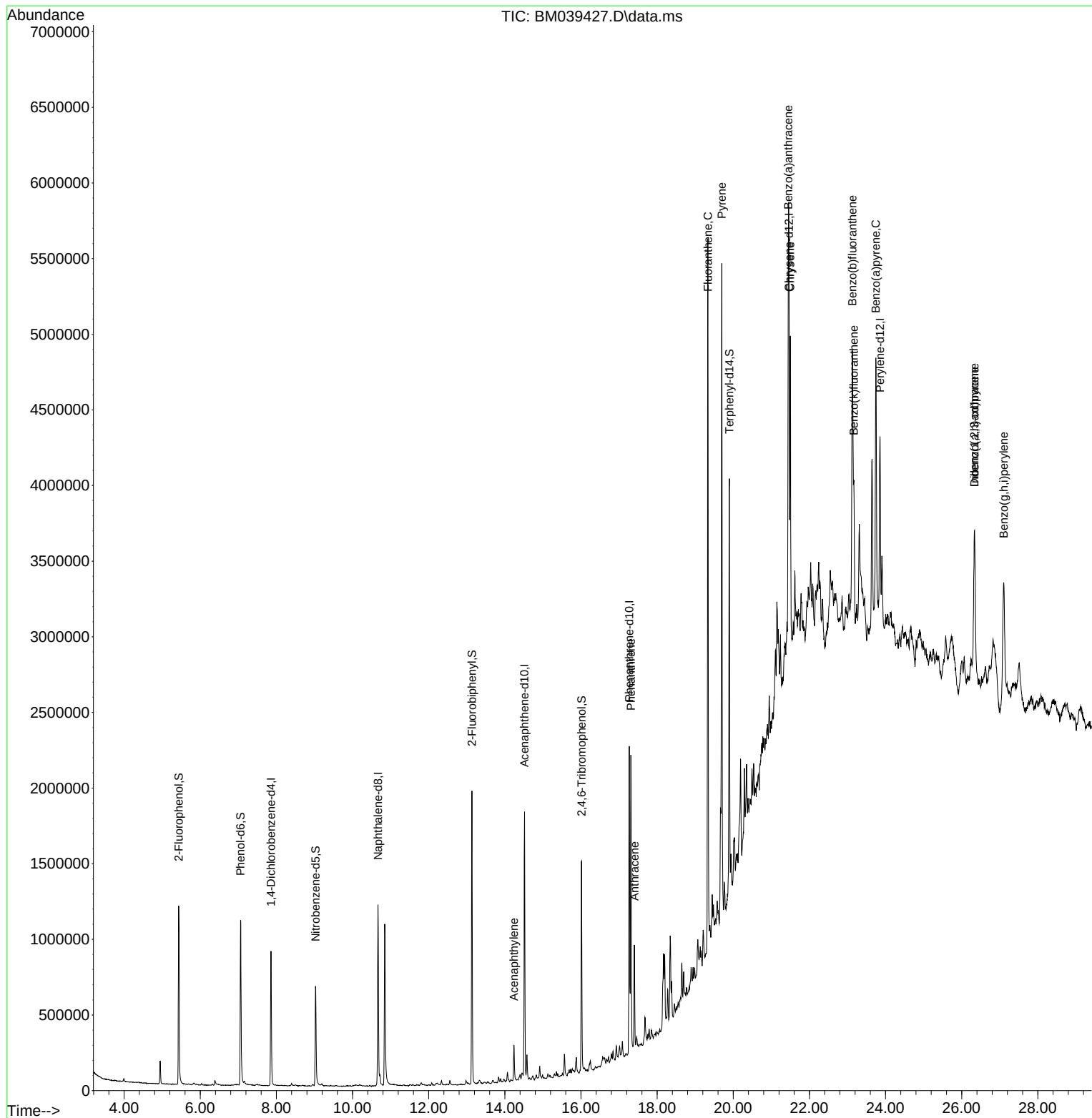
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
Data File : BM039427.D
Acq On : 14 Apr 2023 01:13
Operator : CG/JU
Sample : 02262-07DL 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

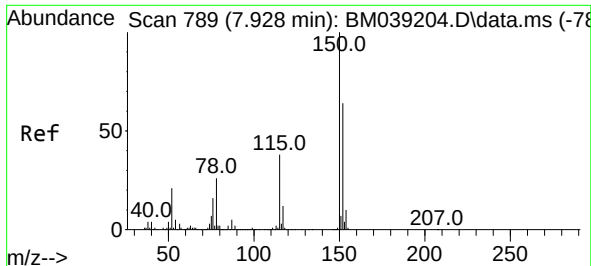
Instrument :
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Quant Time: Apr 14 05:20:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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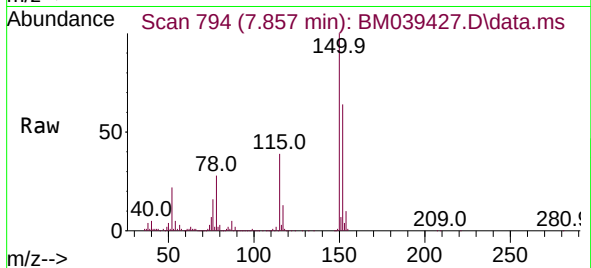
Reviewed By : Christian Giraldo 04/14/2023
Supervised By : Jagrut Upadhyay 04/14/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.857 min Scan# 794
Delta R.T. -0.006 min
Lab File: BM039427.D
Acq: 14 Apr 2023 01:13

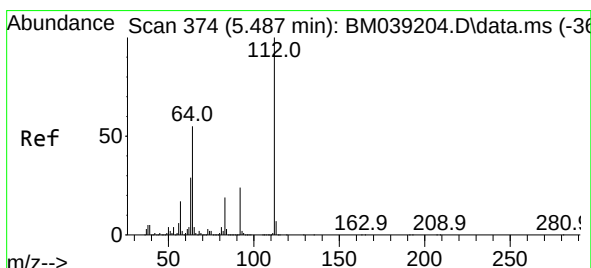
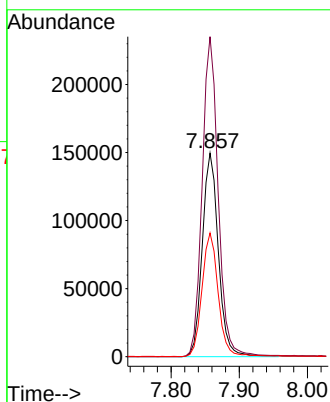
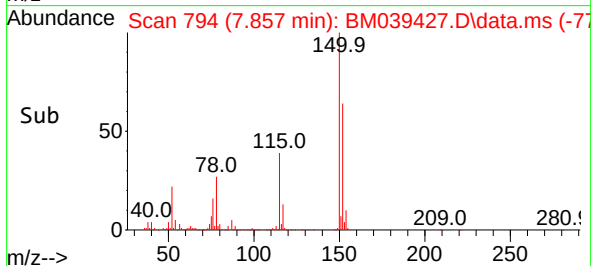
Instrument :
BNA_M
ClientSampleId :
JPP-1-040723DL



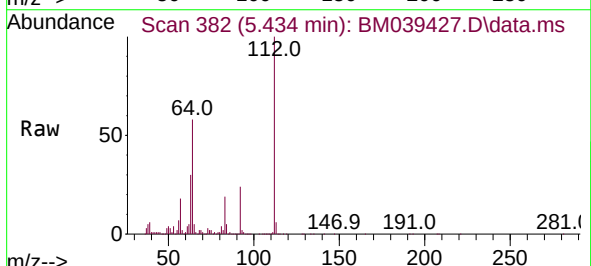
Tgt Ion:152 Resp: 246409
Ion Ratio Lower Upper
152 100
150 157.2 125.5 188.3
115 60.8 48.1 72.1

Manual Integrations
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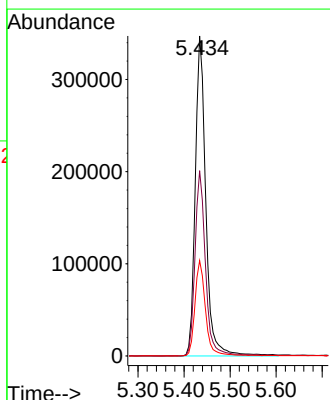
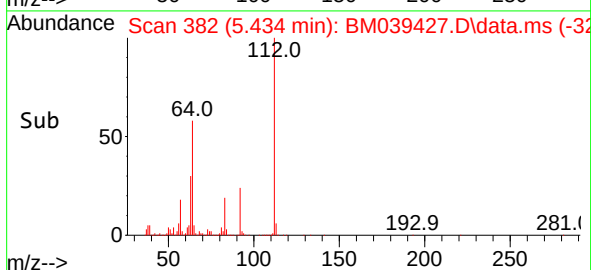
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023

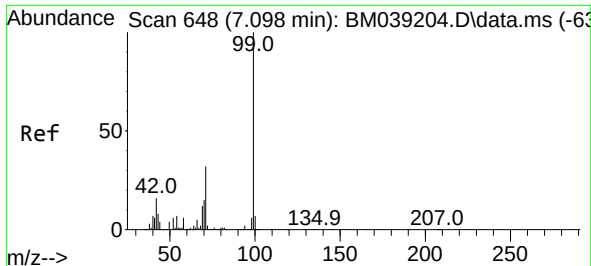


#5
2-Fluorophenol
Concen: 33.800 ng
RT: 5.434 min Scan# 382
Delta R.T. 0.012 min
Lab File: BM039427.D
Acq: 14 Apr 2023 01:13



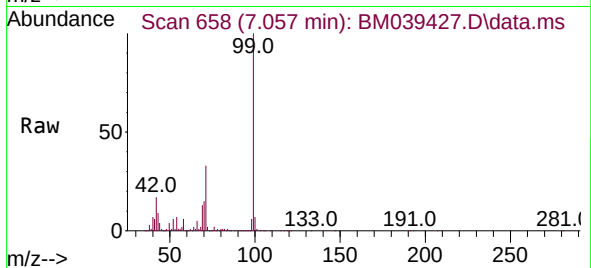
Tgt Ion:112 Resp: 552795
Ion Ratio Lower Upper
112 100
64 57.9 44.3 66.5
63 29.8 23.0 34.6





#7
Phenol-d6
Concen: 34.263 ng
RT: 7.057 min Scan# 61
Delta R.T. 0.024 min
Lab File: BM039427.D
Acq: 14 Apr 2023 01:13

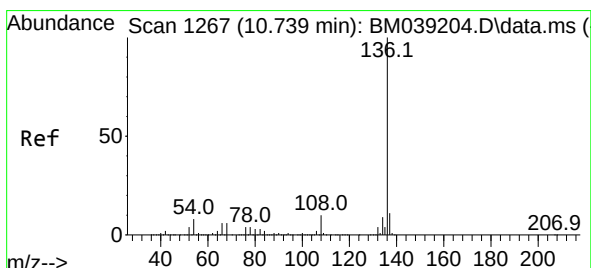
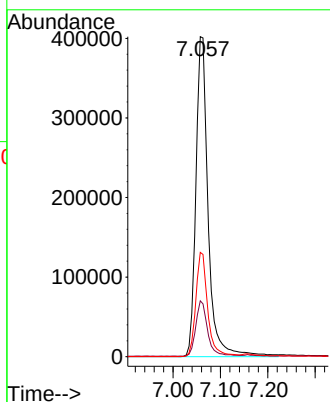
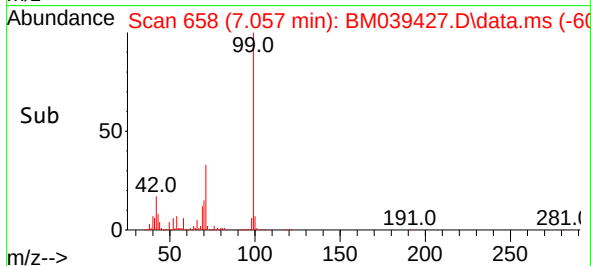
Instrument :
BNA_M
ClientSampleId :
JPP-1-040723DL



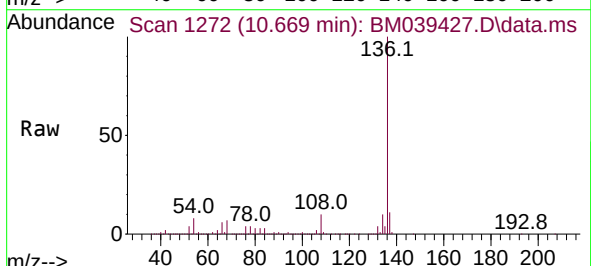
Tgt Ion: 99 Resp: 724788
Ion Ratio Lower Upper
99 100
42 17.5 13.0 19.6
71 32.6 25.5 38.3

Manual Integrations
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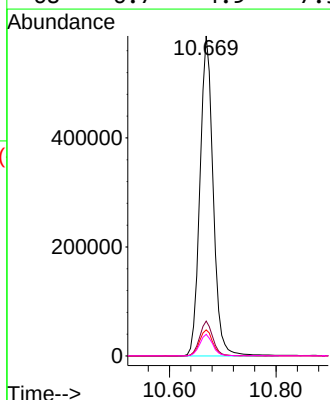
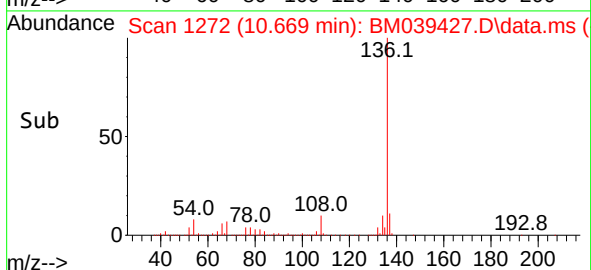
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023

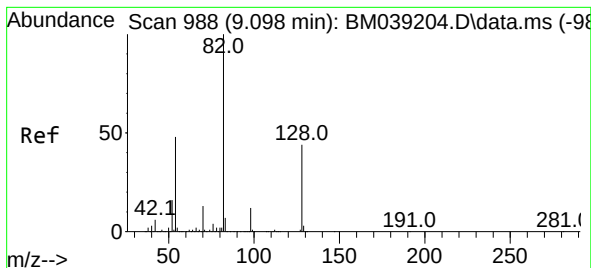


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.669 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BM039427.D
Acq: 14 Apr 2023 01:13



Tgt Ion:136 Resp: 1011538
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.1 6.2 9.4
68 6.7 4.9 7.3





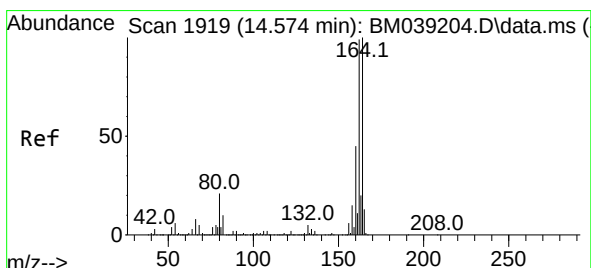
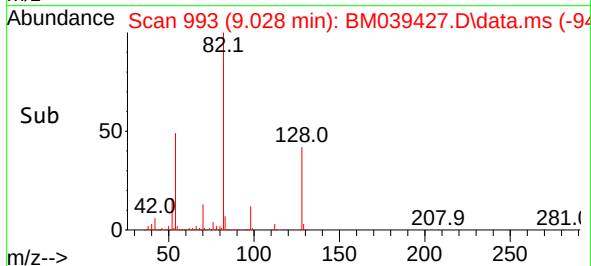
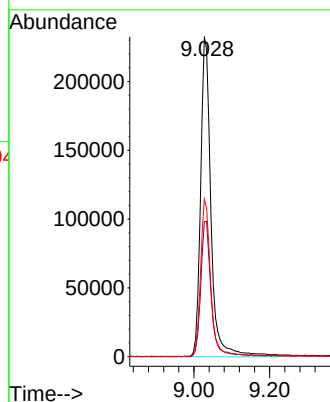
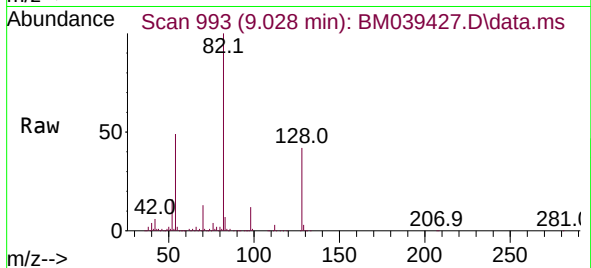
#23
Nitrobenzene-d5
Concen: 21.331 ng
RT: 9.028 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM039427.D
Acq: 14 Apr 2023 01:13

Instrument :
BNA_M
ClientSampleId :
JPP-1-040723DL

Tgt Ion: 82 Resp: 443940
Ion Ratio Lower Upper
82 100
128 42.2 35.1 52.7
54 49.2 38.5 57.7

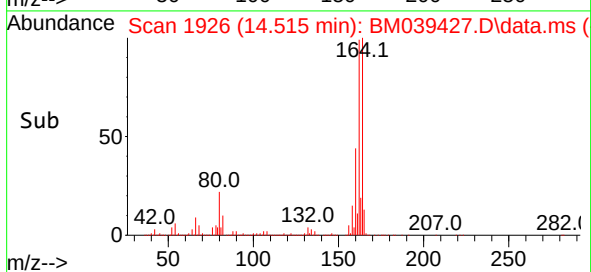
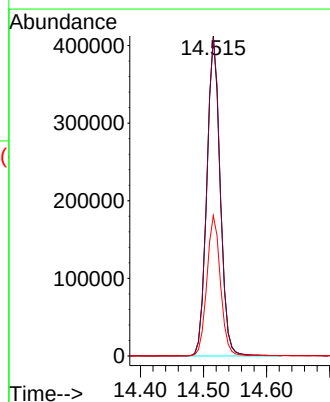
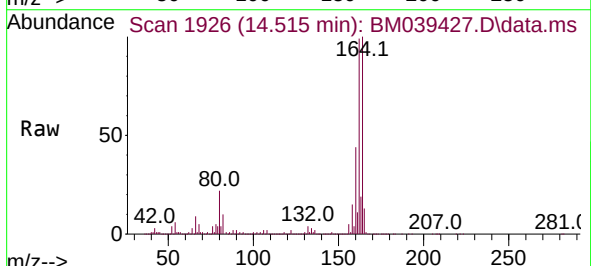
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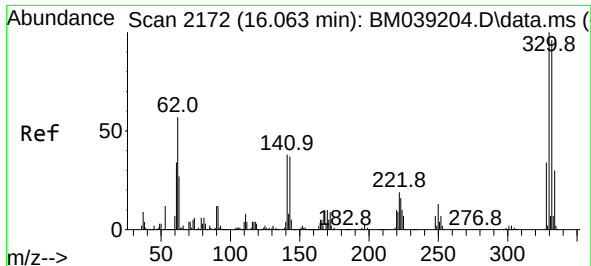
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.515 min Scan# 1926
Delta R.T. -0.000 min
Lab File: BM039427.D
Acq: 14 Apr 2023 01:13

Tgt Ion:164 Resp: 604386
Ion Ratio Lower Upper
164 100
162 99.4 79.1 118.7
160 43.9 35.8 53.8





#42
2,4,6-Tribromophenol
Concen: 33.340 ng
RT: 16.015 min Scan# 2172
Delta R.T. -0.000 min
Lab File: BM039427.D
Acq: 14 Apr 2023 01:13

Instrument :

BNA_M

ClientSampleId :

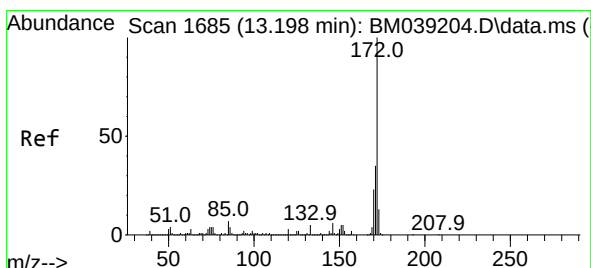
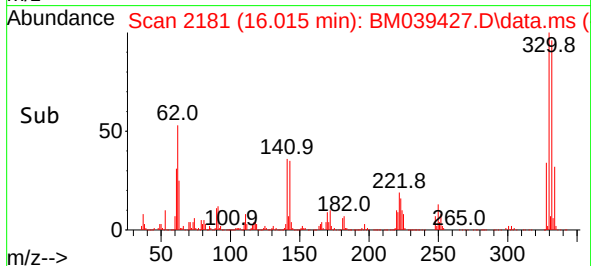
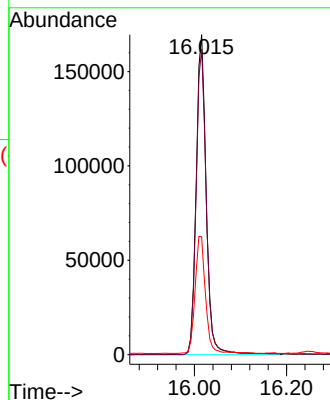
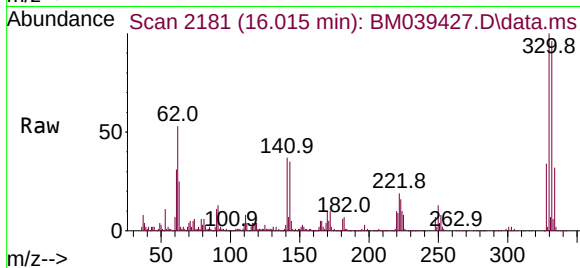
JPP-1-040723DL

Tgt Ion:330 Resp: 25578
Ion Ratio Lower Upper
330 100
332 96.4 77.4 116.0
141 37.9 29.8 44.6

Manual Integrations

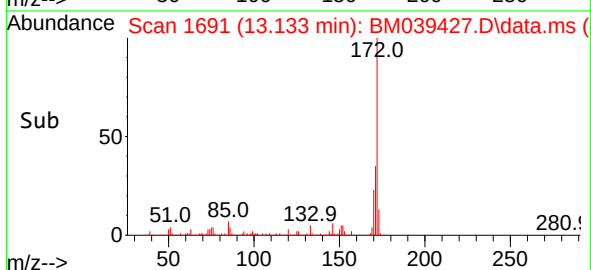
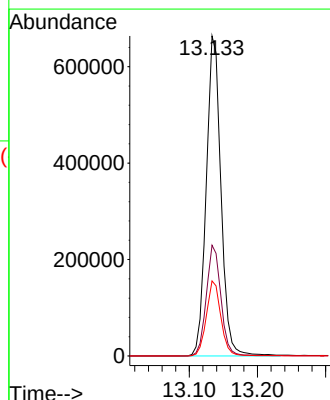
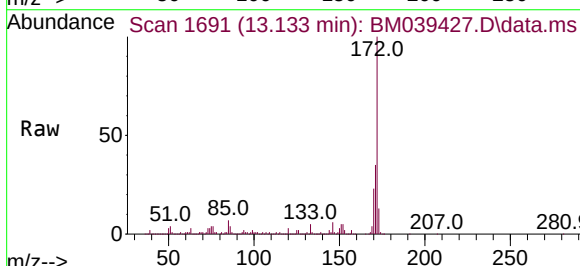
APPROVED

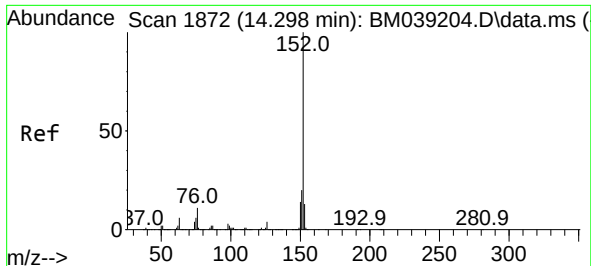
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023



#45
2-Fluorobiphenyl
Concen: 22.339 ng
RT: 13.133 min Scan# 1691
Delta R.T. -0.006 min
Lab File: BM039427.D
Acq: 14 Apr 2023 01:13

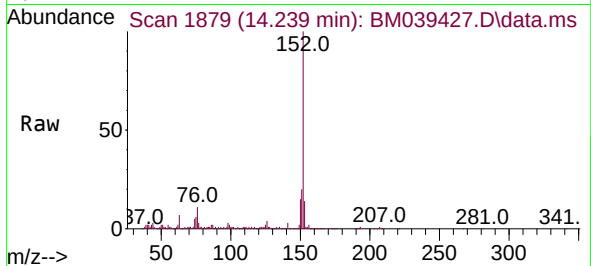
Tgt Ion:172 Resp: 996498
Ion Ratio Lower Upper
172 100
171 34.6 28.0 42.0
170 23.5 18.7 28.1





#49
Acenaphthylene
Concen: 3.325 ng
RT: 14.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM039427.D
Acq: 14 Apr 2023 01:13

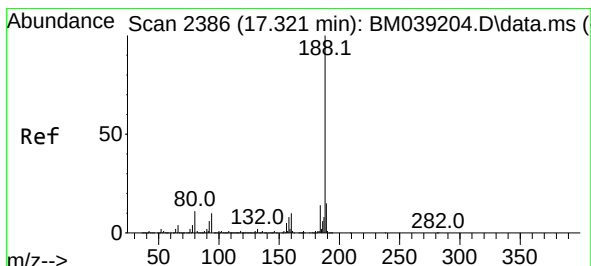
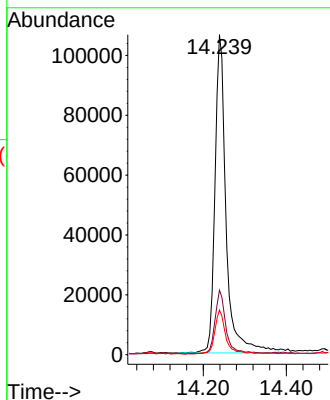
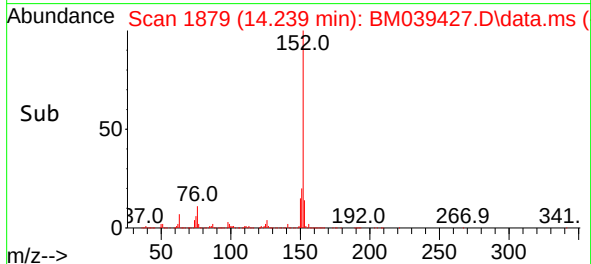
Instrument :
BNA_M
ClientSampleId :
JPP-1-040723DL



Tgt Ion:152 Resp: 19748
Ion Ratio Lower Upper
152 100
151 20.1 15.7 23.5
153 14.0 10.3 15.5

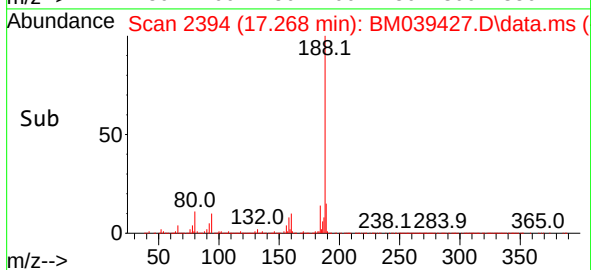
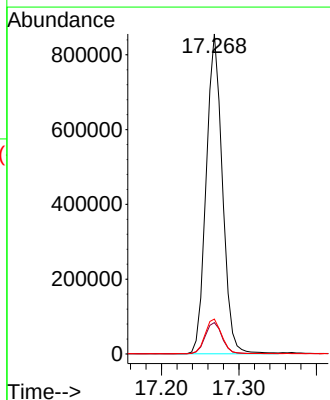
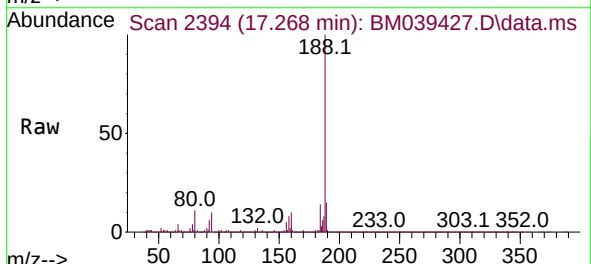
Manual Integrations
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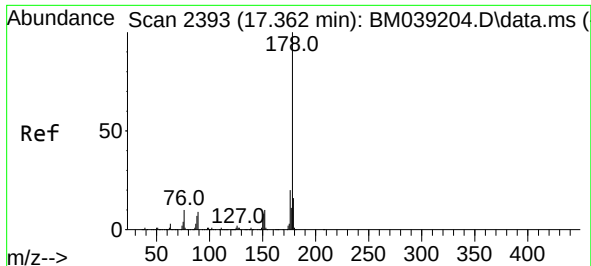
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.268 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BM039427.D
Acq: 14 Apr 2023 01:13

Tgt Ion:188 Resp: 1241425
Ion Ratio Lower Upper
188 100
94 9.8 8.2 12.4
80 10.9 8.9 13.3





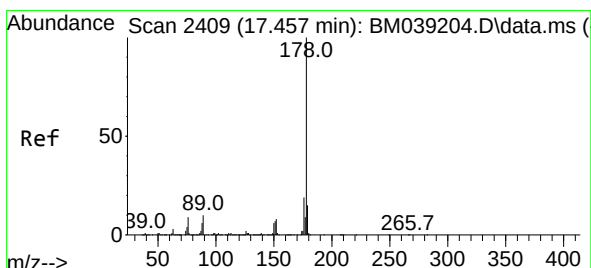
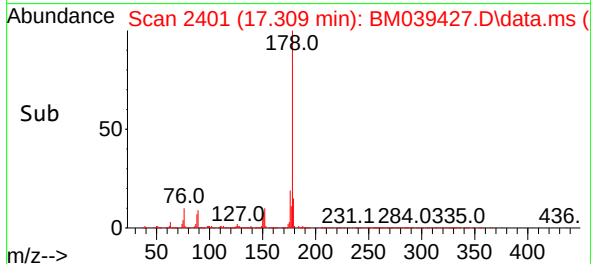
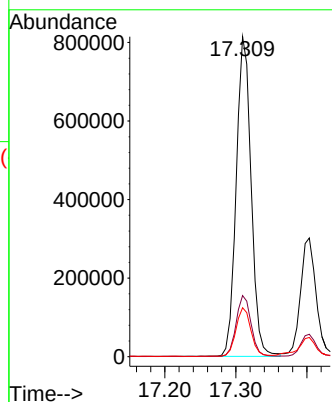
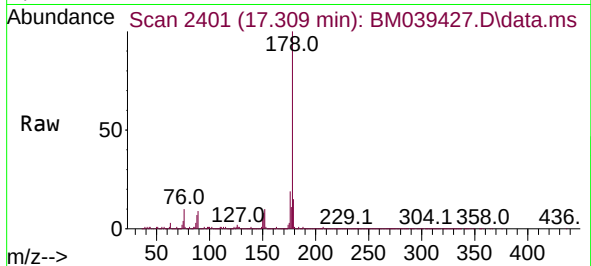
#71
Phenanthrene
Concen: 17.470 ng
RT: 17.309 min Scan# 241
Delta R.T. -0.000 min
Lab File: BM039427.D
Acq: 14 Apr 2023 01:13

Instrument :
BNA_M
ClientSampleId :
JPP-1-040723DL

Tgt Ion:178 Resp: 1187794
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 15.3 12.4 18.6

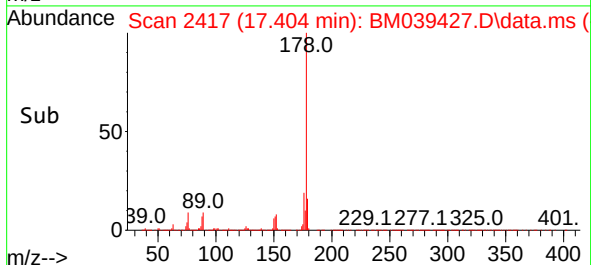
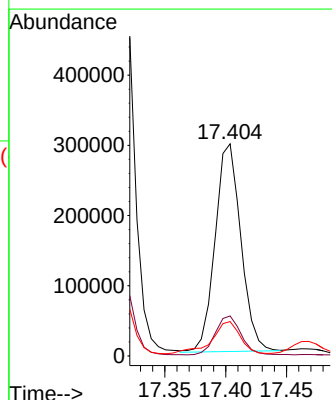
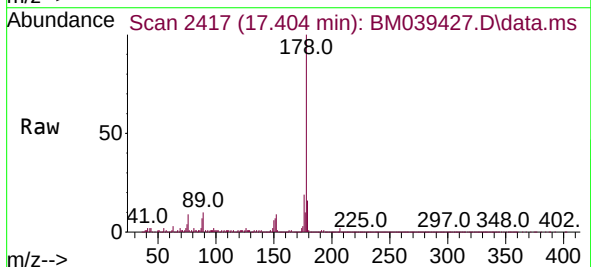
Manual Integrations
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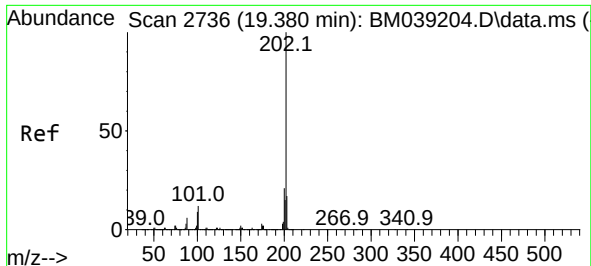
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023



#72
Anthracene
Concen: 6.281 ng
RT: 17.404 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BM039427.D
Acq: 14 Apr 2023 01:13

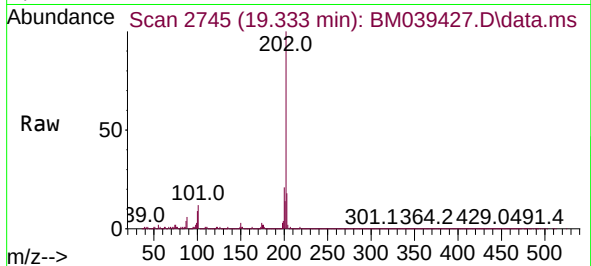
Tgt Ion:178 Resp: 435467
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 16.2 12.2 18.2





#75
Fluoranthene
Concen: 34.946 ng
RT: 19.333 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM039427.D
Acq: 14 Apr 2023 01:13

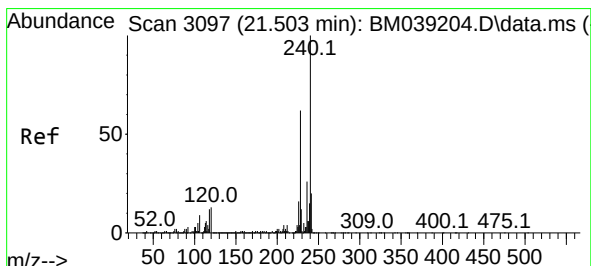
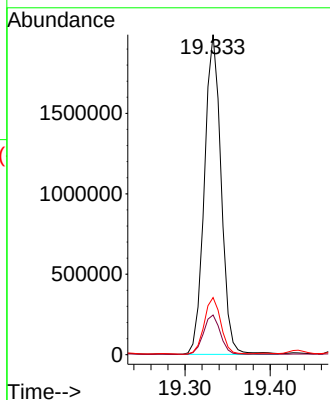
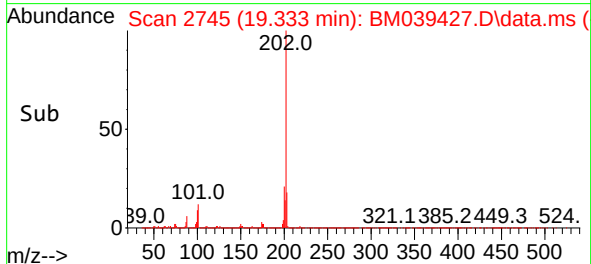
Instrument :
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ClientSampleId :
JPP-1-040723DL



Tgt Ion:202 Resp: 270844
Ion Ratio Lower Upper
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101 12.4 0.0 32.5
203 17.9 0.0 37.5

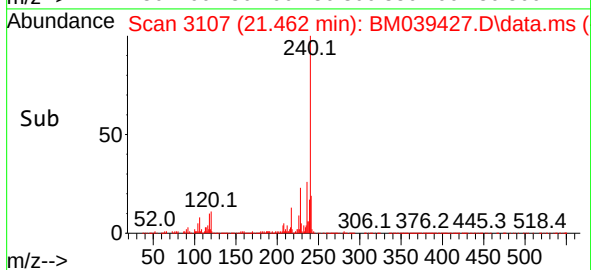
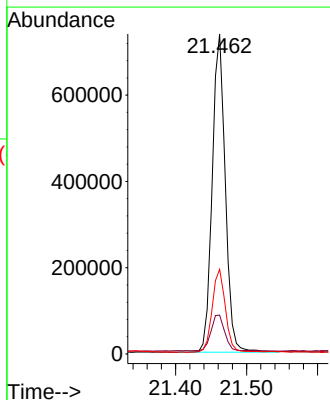
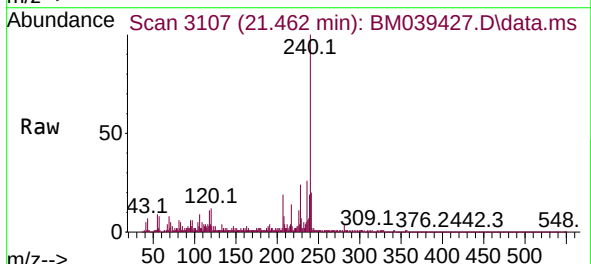
Manual Integrations
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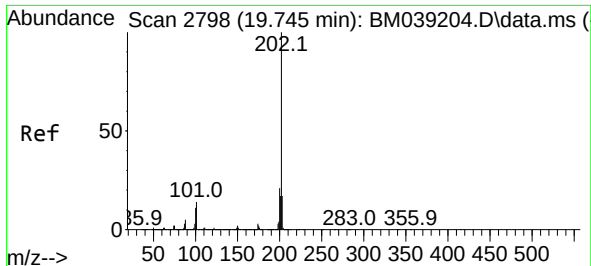
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.462 min Scan# 3107
Delta R.T. -0.000 min
Lab File: BM039427.D
Acq: 14 Apr 2023 01:13

Tgt Ion:240 Resp: 941564
Ion Ratio Lower Upper
240 100
120 12.1 10.2 15.2
236 26.4 20.9 31.3





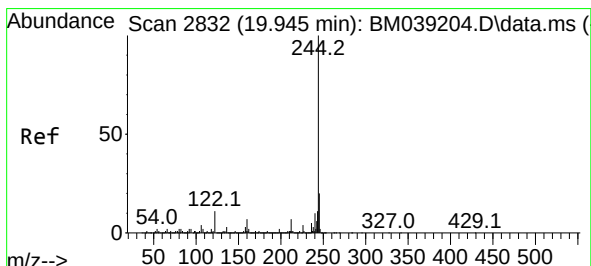
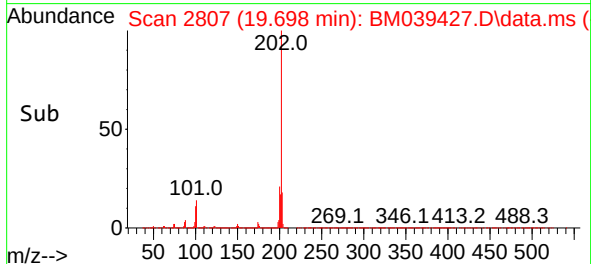
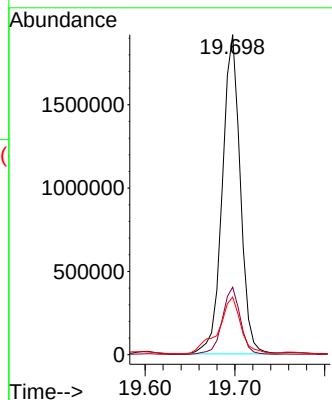
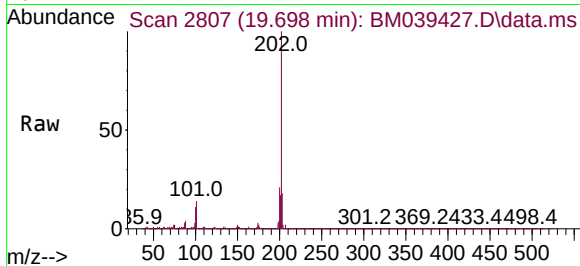
#78
Pyrene
Concen: 39.811 ng
RT: 19.698 min Scan# 2807
Delta R.T. -0.000 min
Lab File: BM039427.D
Acq: 14 Apr 2023 01:13

Instrument :
BNA_M
ClientSampleId :
JPP-1-040723DL

Tgt Ion:202 Resp: 2668528
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 18.0 13.9 20.9

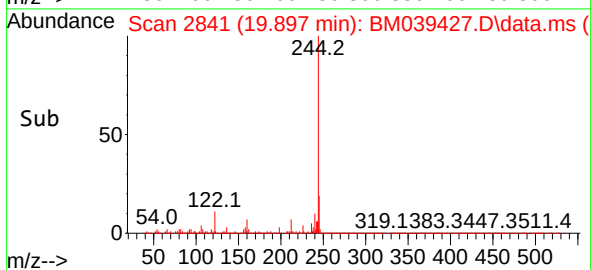
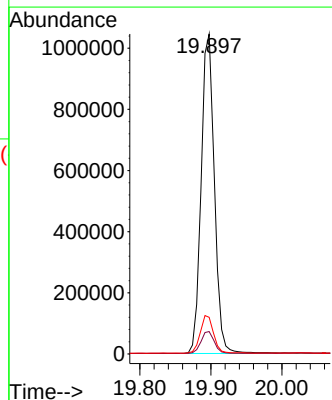
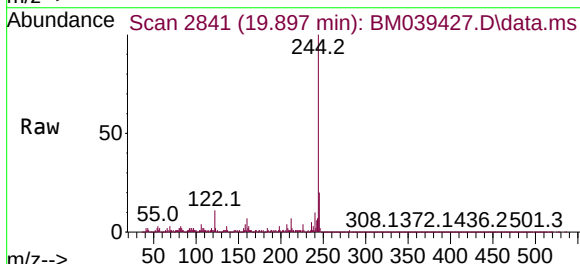
Manual Integrations
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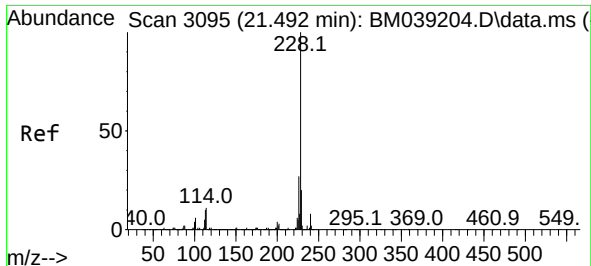
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023



#79
Terphenyl-d14
Concen: 26.668 ng
RT: 19.897 min Scan# 2841
Delta R.T. -0.000 min
Lab File: BM039427.D
Acq: 14 Apr 2023 01:13

Tgt Ion:244 Resp: 1359054
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 11.4 9.1 13.7





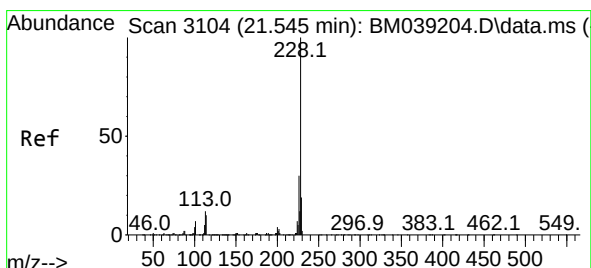
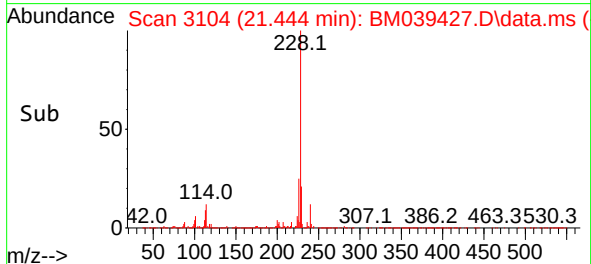
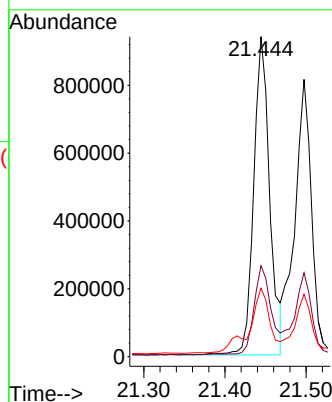
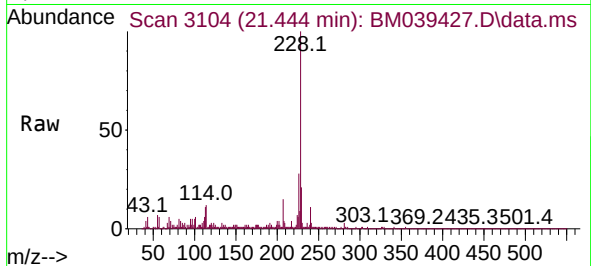
#81
Benzo(a)anthracene
Concen: 19.357 ng
RT: 21.444 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BM039427.D
Acq: 14 Apr 2023 01:13

Instrument :
BNA_M
ClientSampleId :
JPP-1-040723DL

Tgt Ion:228 Resp: 1285398
Ion Ratio Lower Upper
228 100
226 28.4 21.9 32.9
229 21.4 15.8 23.6

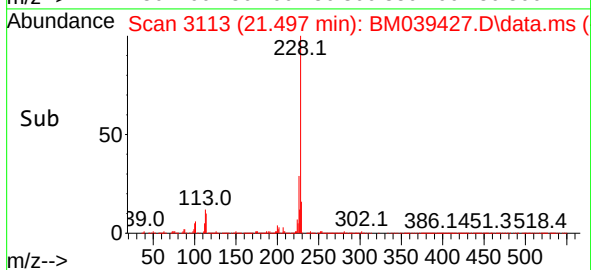
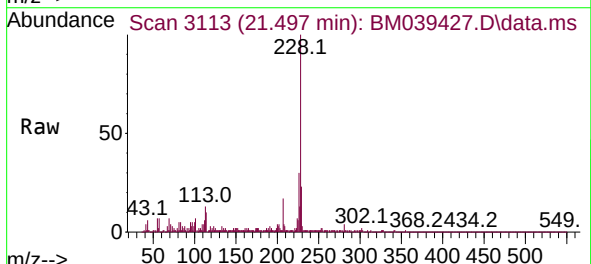
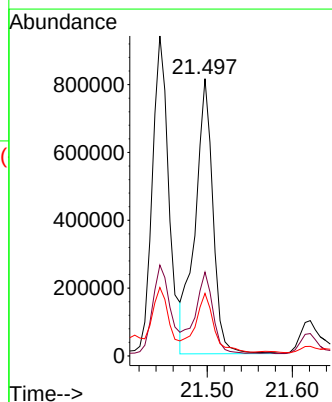
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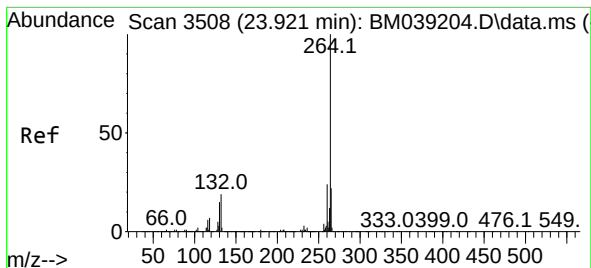
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023



#83
Chrysene
Concen: 18.364 ng
RT: 21.497 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM039427.D
Acq: 14 Apr 2023 01:13

Tgt Ion:228 Resp: 1177221
Ion Ratio Lower Upper
228 100
226 30.2 24.1 36.1
229 22.6 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.856 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM039427.D

Acq: 14 Apr 2023 01:13

Instrument :

BNA_M

ClientSampleId :

JPP-1-040723DL

Tgt Ion:264 Resp: 105598

Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.6

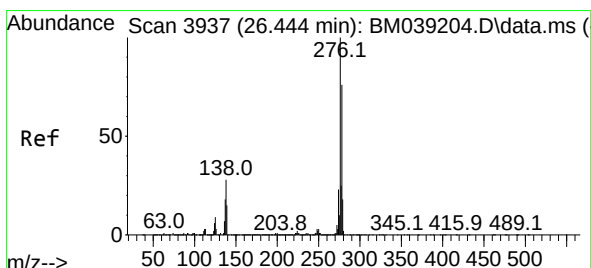
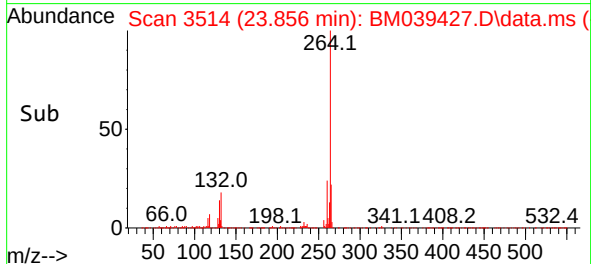
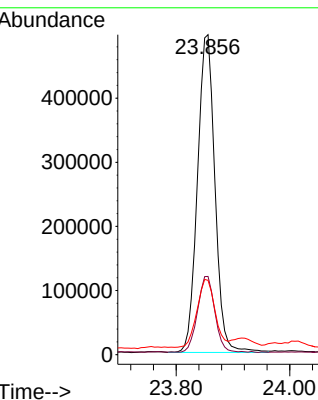
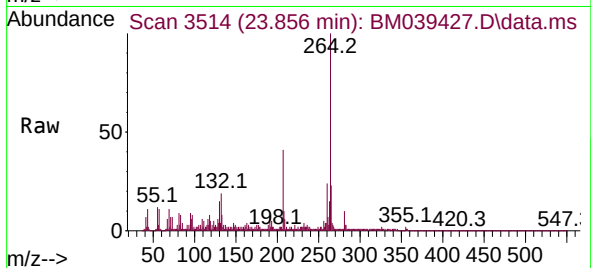
265 23.3 18.1 27.1

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Reviewed By :Christian Giraldo 04/14/2023

Supervised By :Jagrut Upadhyay 04/14/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.271 ng

RT: 26.332 min Scan# 3935

Delta R.T. -0.006 min

Lab File: BM039427.D

Acq: 14 Apr 2023 01:13

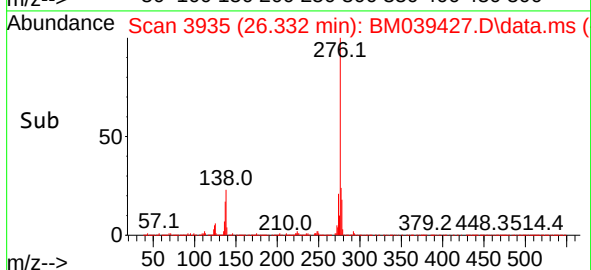
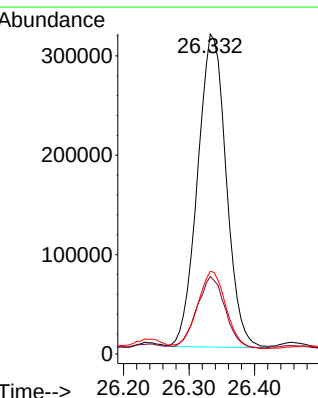
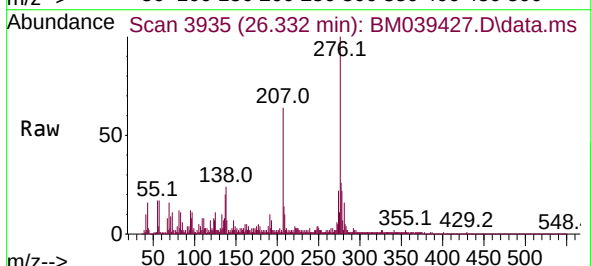
Tgt Ion:276 Resp: 954712

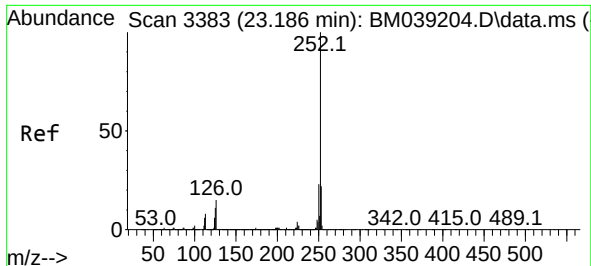
Ion Ratio Lower Upper

276 100

138 22.8 22.2 33.2

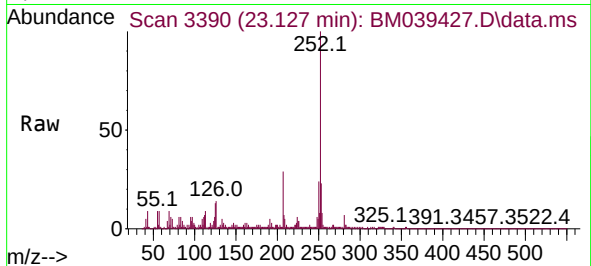
277 24.7 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 26.182 ng
RT: 23.127 min Scan# 3383
Delta R.T. -0.000 min
Lab File: BM039427.D
Acq: 14 Apr 2023 01:13

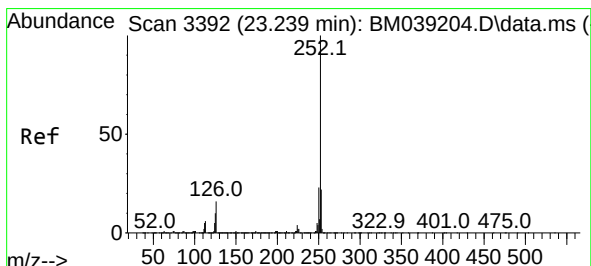
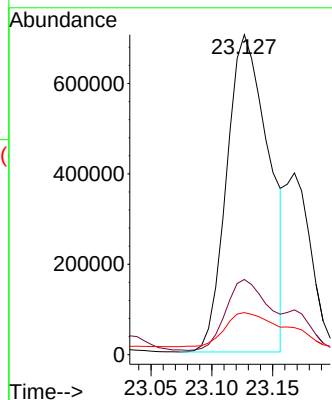
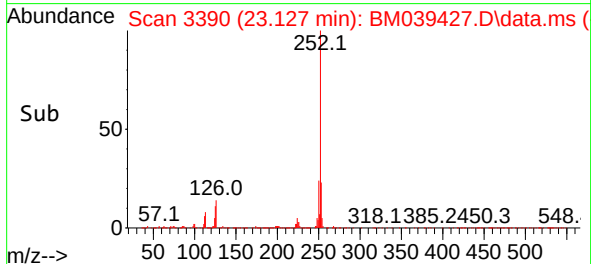
Instrument :
BNA_M
ClientSampleId :
JPP-1-040723DL



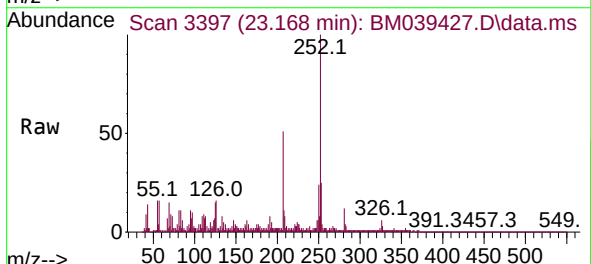
Tgt Ion:252 Resp: 1691690
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 13.1 9.0 13.6

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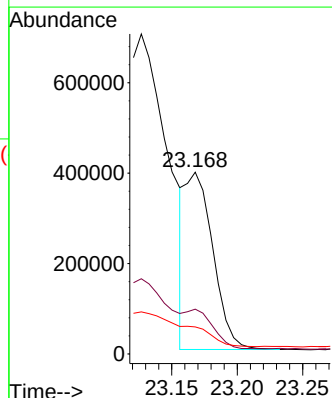
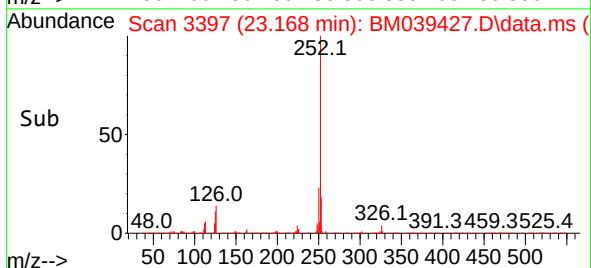
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023

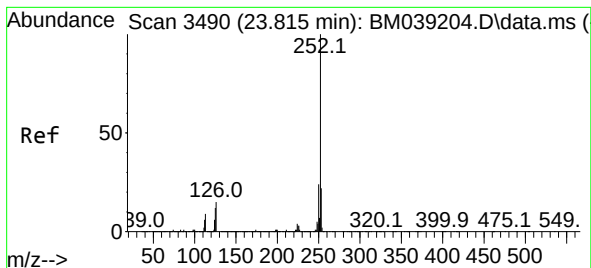


#89
Benzo(k)fluoranthene
Concen: 8.727 ng m
RT: 23.168 min Scan# 3397
Delta R.T. -0.006 min
Lab File: BM039427.D
Acq: 14 Apr 2023 01:13



Tgt Ion:252 Resp: 574379
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.8
125 14.9 8.5 12.7#





#90

Benzo(a)pyrene

Concen: 20.938 ng

RT: 23.744 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM039427.D

Acq: 14 Apr 2023 01:13

Instrument :

BNA_M

ClientSampleId :

JPP-1-040723DL

Tgt Ion:252 Resp: 1328994

Ion Ratio Lower Upper

252 100

253 23.9 17.6 26.4

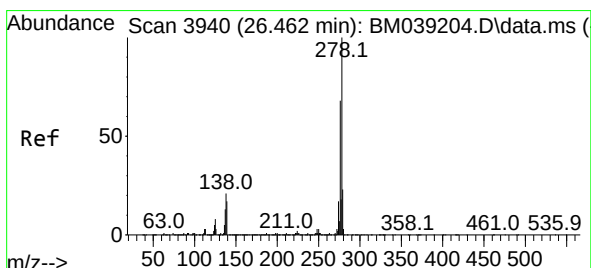
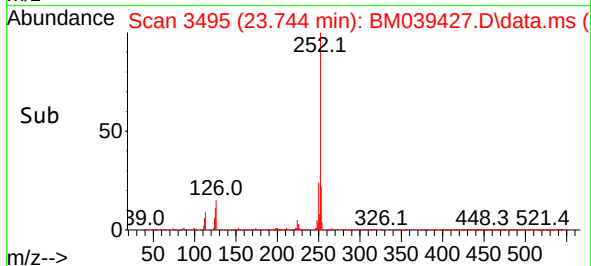
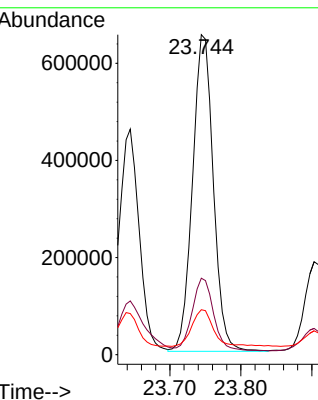
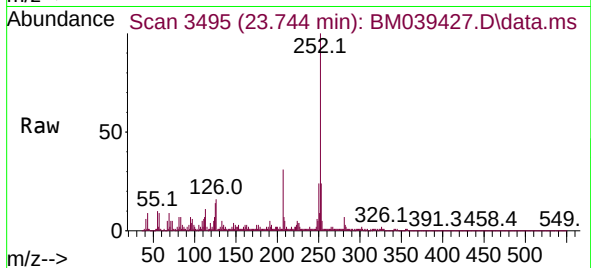
125 14.0 9.8 14.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/14/2023

Supervised By :Jagrut Upadhyay 04/14/2023



#91

Dibenzo(a,h)anthracene

Concen: 3.518 ng

RT: 26.332 min Scan# 3935

Delta R.T. -0.018 min

Lab File: BM039427.D

Acq: 14 Apr 2023 01:13

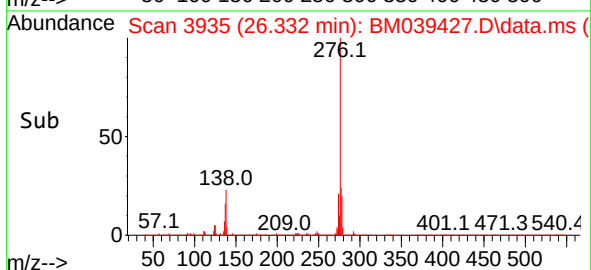
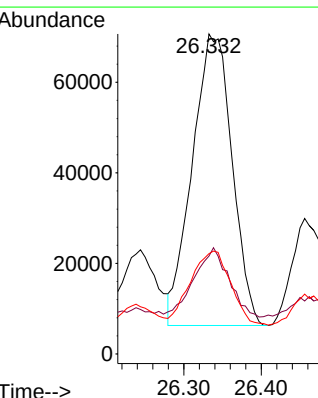
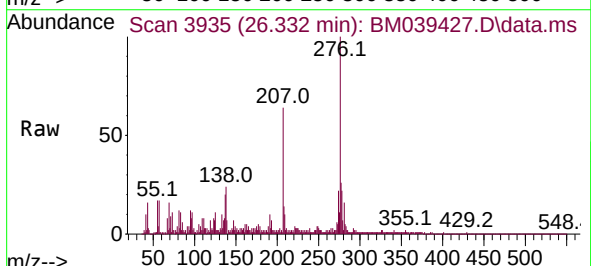
Tgt Ion:278 Resp: 229809

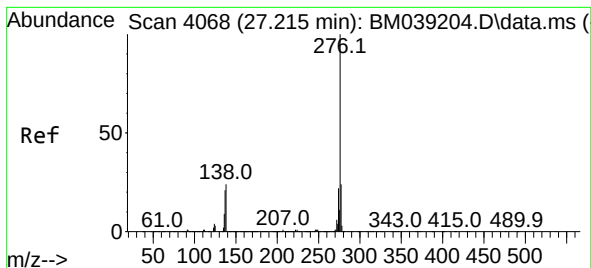
Ion Ratio Lower Upper

278 100

139 30.6 13.9 20.9#

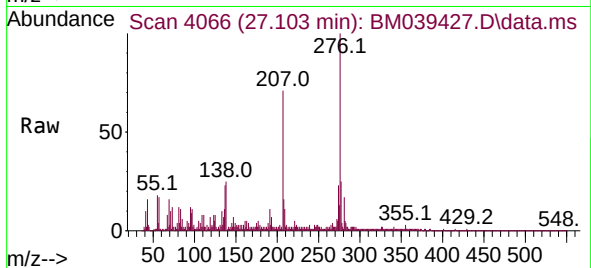
279 31.4 18.8 28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 15.629 ng
 RT: 27.103 min Scan# 4066
 Delta R.T. -0.000 min
 Lab File: BM039427.D
 Acq: 14 Apr 2023 01:13

Instrument :
 BNA_M
 ClientSampleId :
 JPP-1-040723DL



Tgt Ion: 276 Resp: 100416
 Ion Ratio Lower Upper
 276 100
 277 25.0 19.1 28.7
 138 24.8 19.5 29.3

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/14/2023
 Supervised By : Jagrut Upadhyay 04/14/2023

