

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071322\
 Data File : BM035803.D
 Acq On : 13 Jul 2022 20:39
 Operator : CG/JU
 Sample : N3645-01DL 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 NB-08-070822DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/14/2022
 Supervised By : Jagrut Upadhyay 07/14/2022

Quant Time: Jul 14 01:48:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM071322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 14 01:21:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	400212	20.000	ng	0.00
21) Naphthalene-d8	10.716	136	1578448	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	883609	20.000	ng	0.00
64) Phenanthrene-d10	17.280	188	1713834	20.000	ng	0.00
76) Chrysene-d12	21.456	240	1521463	20.000	ng	0.00
86) Perylene-d12	23.844	264	1576364	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	309824	12.574	ng	0.00
7) Phenol-d6	7.069	99	373670	12.124	ng	0.00
23) Nitrobenzene-d5	9.075	82	217571	7.880	ng	0.00
42) 2,4,6-Tribromophenol	16.021	330	117566	13.102	ng	0.00
45) 2-Fluorobiphenyl	13.174	172	490142	7.736	ng	0.00
79) Terphenyl-d14	19.903	244	642633	8.199	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.374	142	133101	2.539	ng	98
38) 1-Methylnaphthalene	12.592	142	151799	2.972	ng	99
49) Acenaphthylene	14.268	152	306371	3.945	ng	98
52) Acenaphthene	14.610	154	371162	7.830	ng	99
55) Dibenzofuran	14.939	168	292948	3.822	ng	96
58) Fluorene	15.586	166	492356	8.096	ng	98
71) Phenanthrene	17.327	178	3491902	38.785	ng	100
72) Anthracene	17.415	178	977291	11.283	ng	99
73) Carbazole	17.680	167	344637	3.955	ng	99
75) Fluoranthene	19.339	202	3976254	39.491	ng	98
78) Pyrene	19.698	202	3657637	38.281	ng	99
81) Benzo(a)anthracene	21.444	228	1415193	14.827	ng	95
83) Chrysene	21.491	228	1351626m	14.668	ng	
87) Indeno(1,2,3-cd)pyrene	26.332	276	624657	5.442	ng	97
88) Benzo(b)fluoranthene	23.121	252	1376367	14.456	ng	# 88
89) Benzo(k)fluoranthene	23.162	252	457137m	4.590	ng	
90) Benzo(a)pyrene	23.738	252	1085055	13.621	ng	# 94
92) Benzo(g,h,i)perylene	27.097	276	625678	6.659	ng	96

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

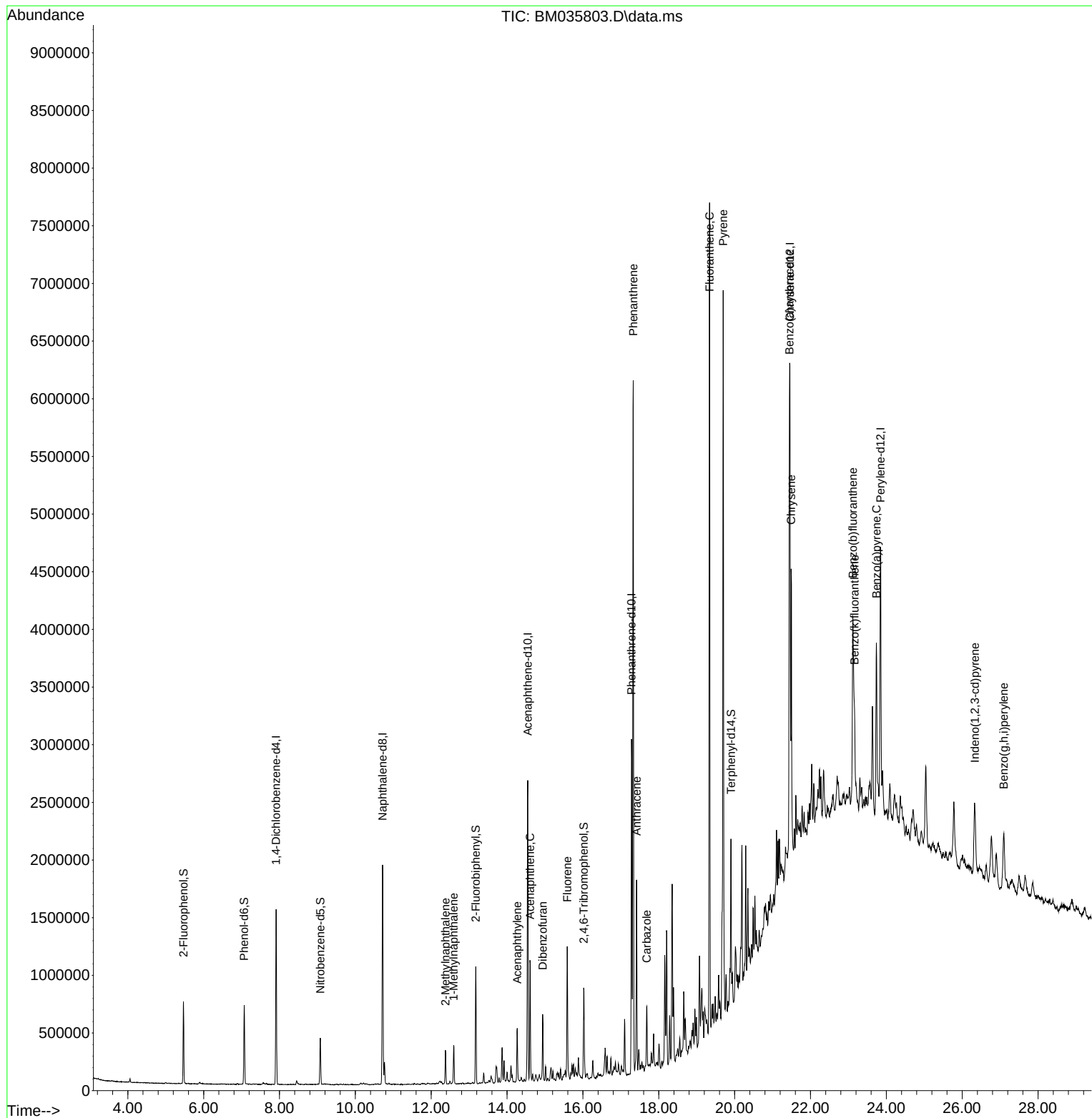
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071322\
Data File : BM035803.D
Acq On : 13 Jul 2022 20:39
Operator : CG/JU
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ALS Vial : 18 Sample Multiplier: 1

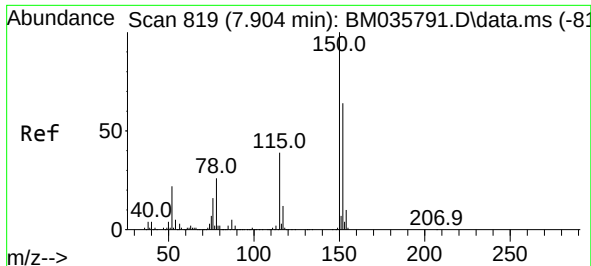
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NB-08-070822DL

Quant Time: Jul 14 01:48:38 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM071322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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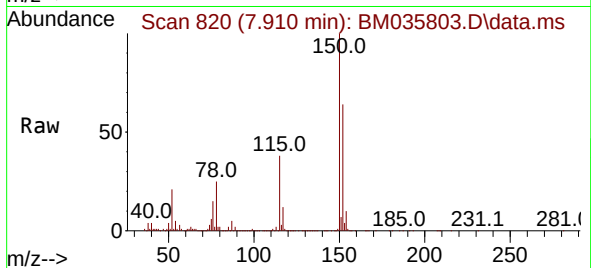
Reviewed By : Christian Giraldo 07/14/2022
Supervised By : Jagrut Upadhyay 07/14/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 819
Delta R.T. 0.006 min
Lab File: BM035803.D
Acq: 13 Jul 2022 20:39

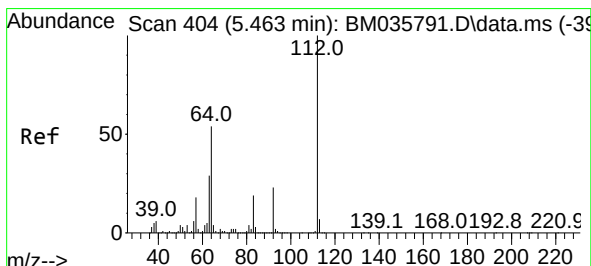
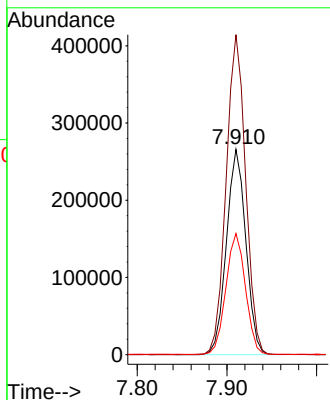
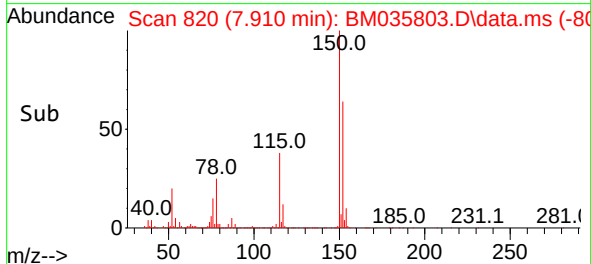
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BNA_M
ClientSampleId :
NB-08-070822DL



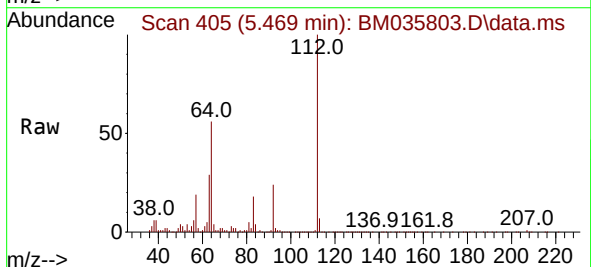
Tgt Ion:152 Resp: 400212
Ion Ratio Lower Upper
152 100
150 155.9 124.9 187.3
115 59.0 47.9 71.9

Manual Integrations
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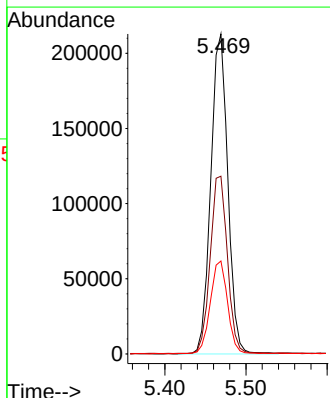
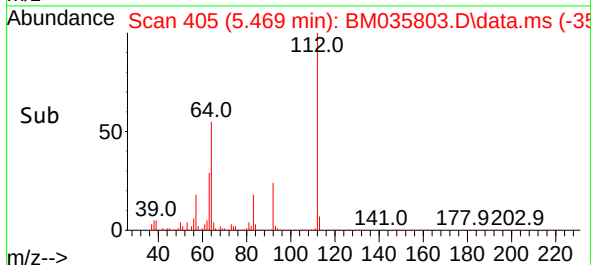
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

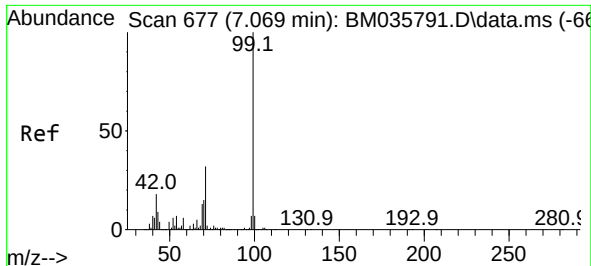


#5
2-Fluorophenol
Concen: 12.574 ng
RT: 5.469 min Scan# 405
Delta R.T. 0.006 min
Lab File: BM035803.D
Acq: 13 Jul 2022 20:39



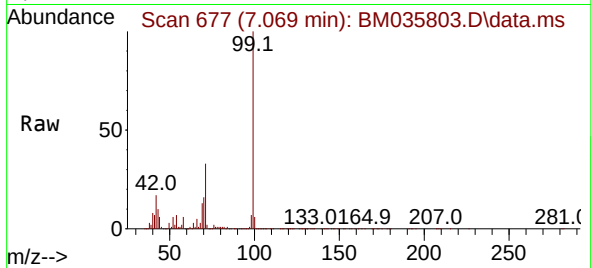
Tgt Ion:112 Resp: 309824
Ion Ratio Lower Upper
112 100
64 55.6 47.8 71.6
63 29.0 26.6 40.0





#7
Phenol-d6
Concen: 12.124 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BM035803.D
Acq: 13 Jul 2022 20:39

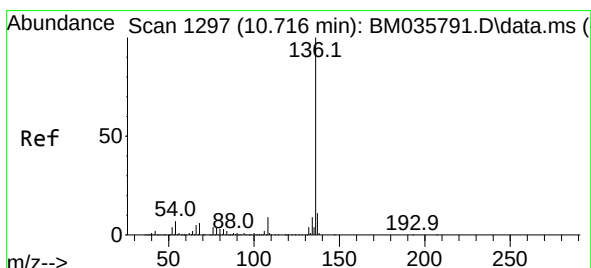
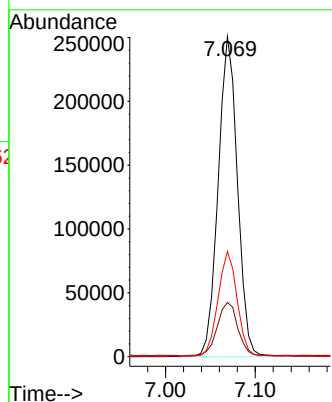
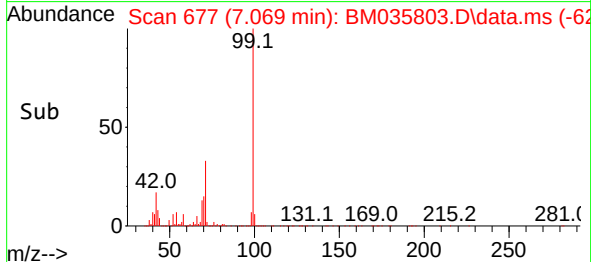
Instrument :
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ClientSampleId :
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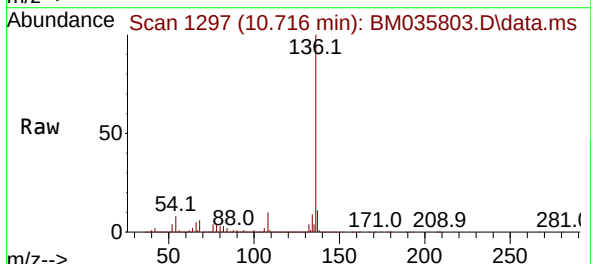
Tgt Ion: 99 Resp: 373670
Ion Ratio Lower Upper
99 100
42 16.9 18.8 28.2
71 32.8 30.2 45.2

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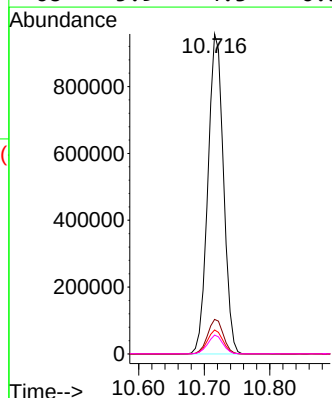
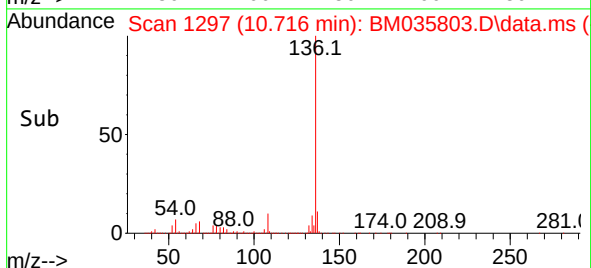
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

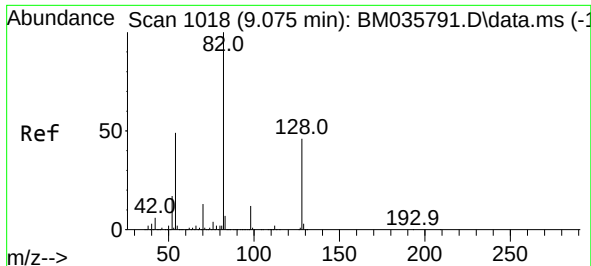


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.716 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BM035803.D
Acq: 13 Jul 2022 20:39



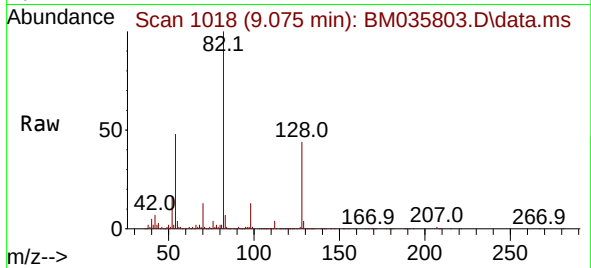
Tgt Ion:136 Resp: 1578448
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.5 7.0 10.4
68 5.9 4.3 6.5





#23
Nitrobenzene-d5
Concen: 7.880 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BM035803.D
Acq: 13 Jul 2022 20:39

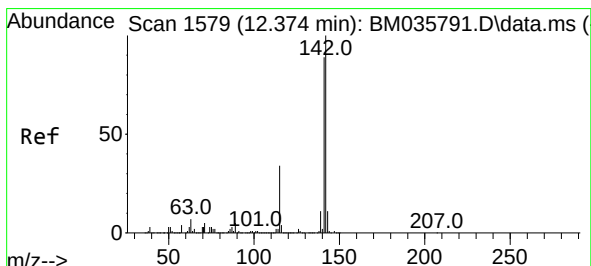
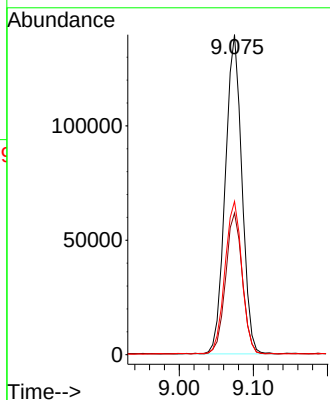
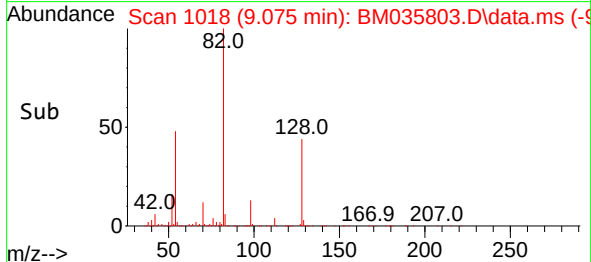
Instrument :
BNA_M
ClientSampleId :
NB-08-070822DL



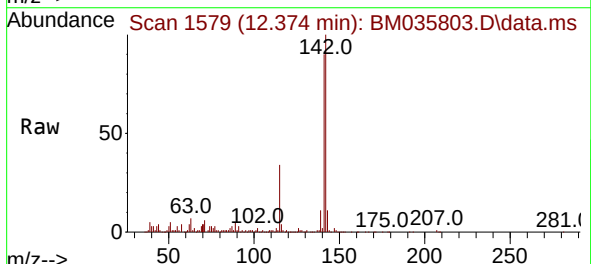
Tgt Ion: 82 Resp: 21757
Ion Ratio Lower Upper
82 100
128 44.3 33.7 50.5
54 47.9 43.2 64.8

Manual Integrations
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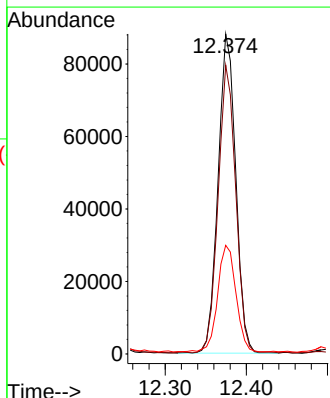
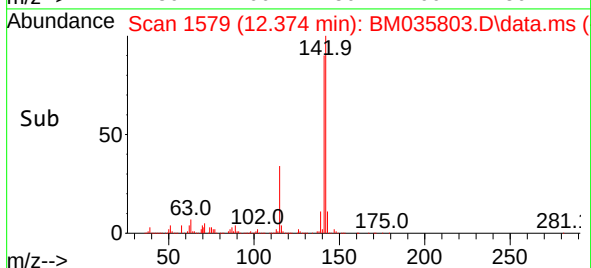
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

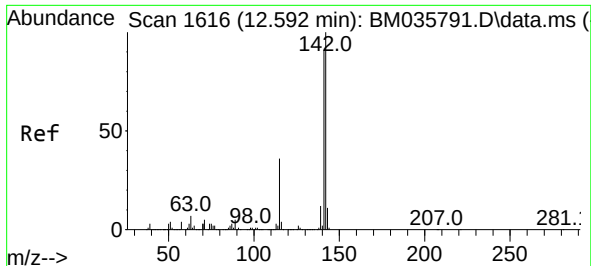


#37
2-Methylnaphthalene
Concen: 2.539 ng
RT: 12.374 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BM035803.D
Acq: 13 Jul 2022 20:39



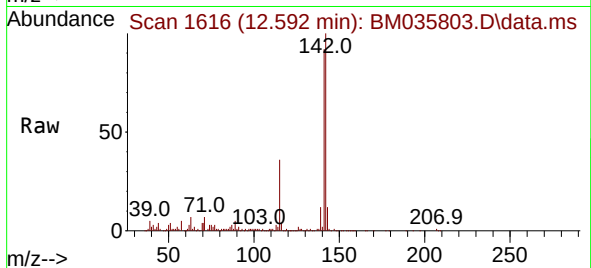
Tgt Ion:142 Resp: 133101
Ion Ratio Lower Upper
142 100
141 90.2 72.4 108.6
115 34.0 29.6 44.4





#38
1-Methylnaphthalene
Concen: 2.972 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM035803.D
Acq: 13 Jul 2022 20:39

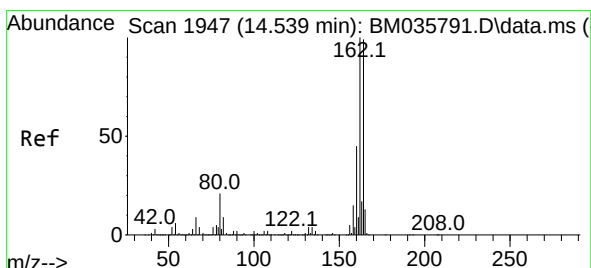
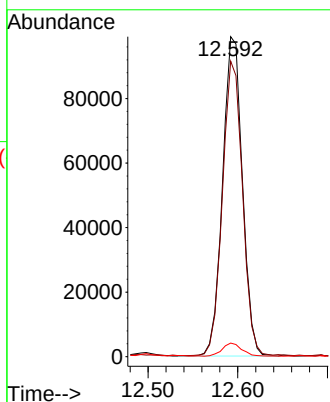
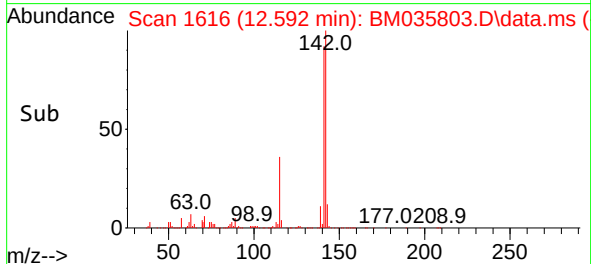
Instrument :
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Tgt Ion:142 Resp: 151799
Ion Ratio Lower Upper
142 100
141 92.4 75.0 112.4
116 4.2 3.4 5.2

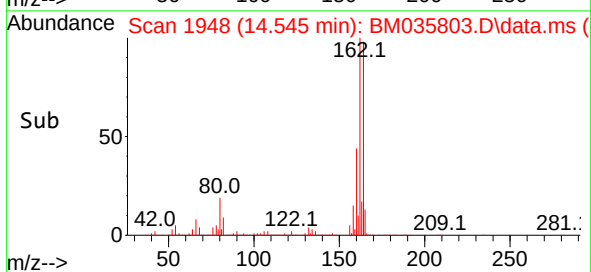
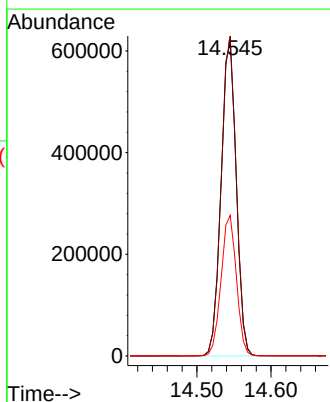
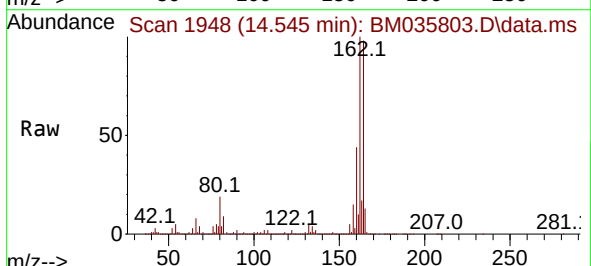
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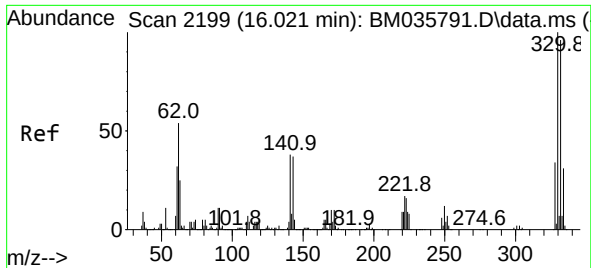
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.545 min Scan# 1948
Delta R.T. 0.006 min
Lab File: BM035803.D
Acq: 13 Jul 2022 20:39

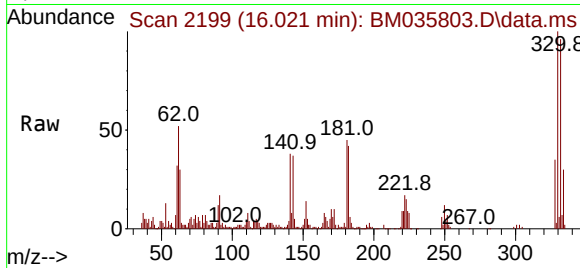
Tgt Ion:164 Resp: 883609
Ion Ratio Lower Upper
164 100
162 101.8 83.0 124.6
160 44.8 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 13.102 ng
RT: 16.021 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BM035803.D
Acq: 13 Jul 2022 20:39

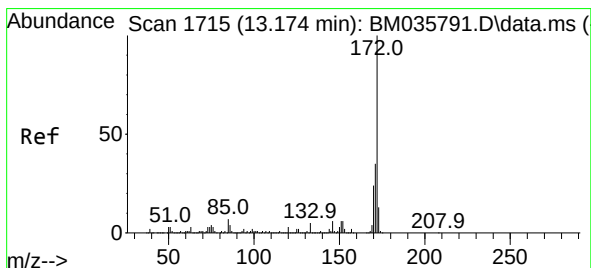
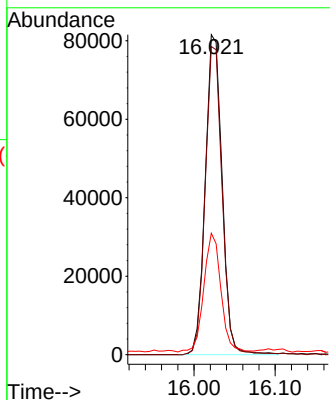
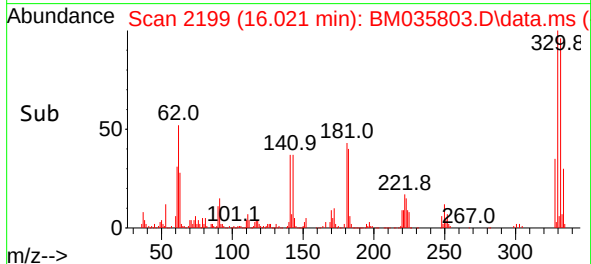
Instrument :
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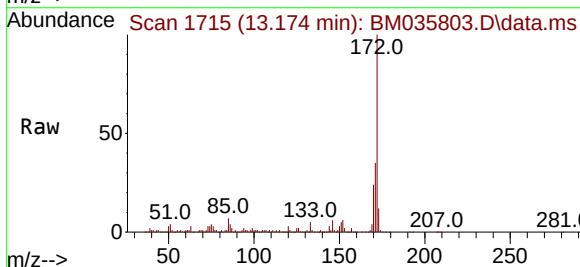
Tgt Ion:330 Resp: 117560
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.4
141 37.5 35.3 52.9

Manual Integrations
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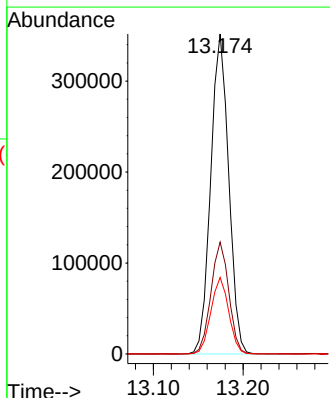
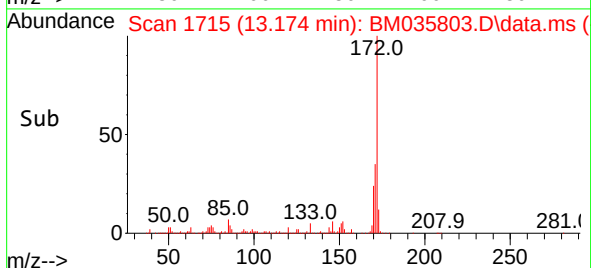
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Supervised By :Jagrut Upadhyay 07/14/2022

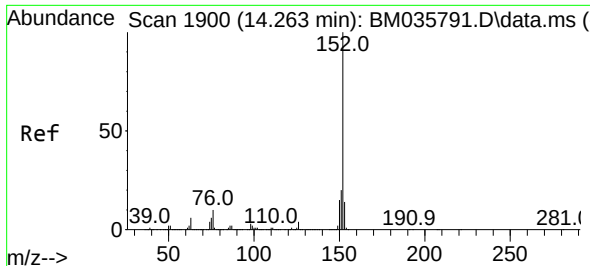


#45
2-Fluorobiphenyl
Concen: 7.736 ng
RT: 13.174 min Scan# 1715
Delta R.T. -0.000 min
Lab File: BM035803.D
Acq: 13 Jul 2022 20:39



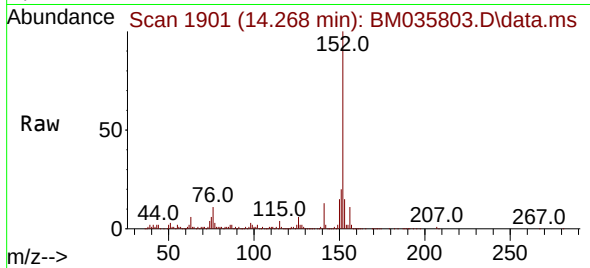
Tgt Ion:172 Resp: 490142
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 23.9 18.7 28.1





#49
Acenaphthylene
Concen: 3.945 ng
RT: 14.268 min Scan# 1901
Delta R.T. 0.005 min
Lab File: BM035803.D
Acq: 13 Jul 2022 20:39

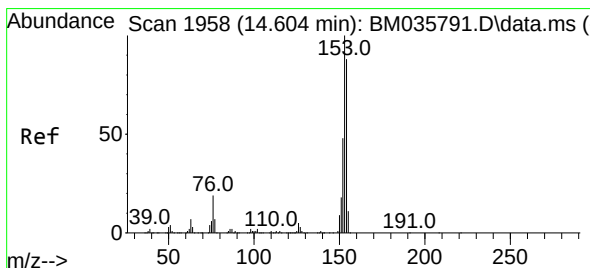
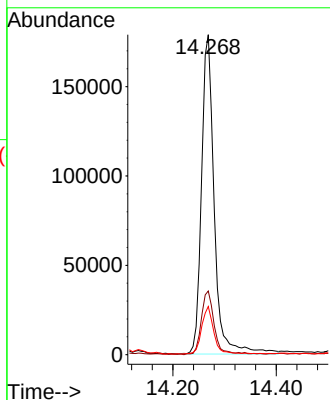
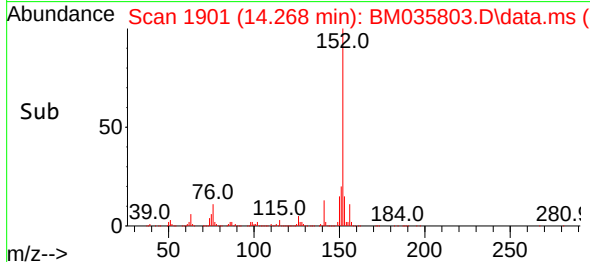
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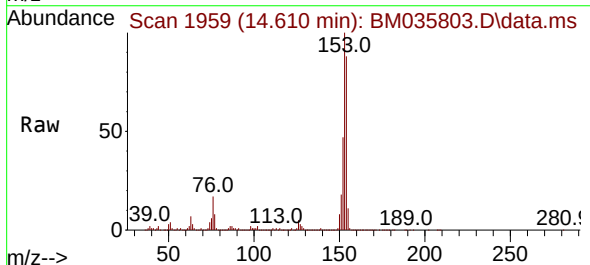
Tgt Ion:152 Resp: 30637
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.2
153 15.0 10.5 15.7

Manual Integrations
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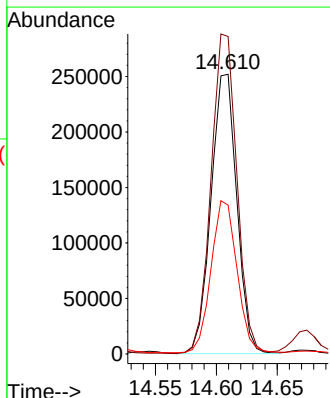
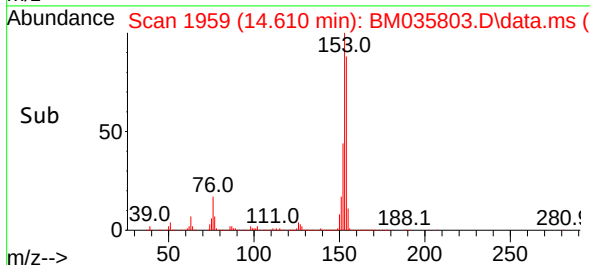
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

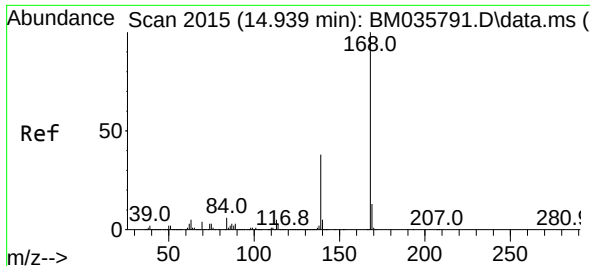


#52
Acenaphthene
Concen: 7.830 ng
RT: 14.610 min Scan# 1959
Delta R.T. 0.006 min
Lab File: BM035803.D
Acq: 13 Jul 2022 20:39



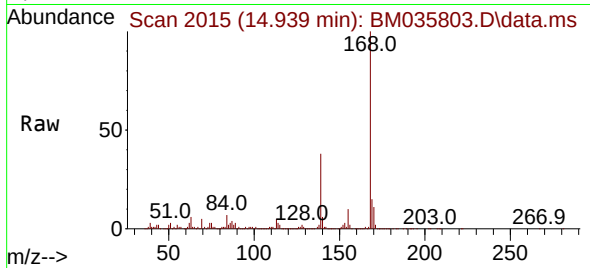
Tgt Ion:154 Resp: 371162
Ion Ratio Lower Upper
154 100
153 113.5 91.0 136.6
152 53.2 43.4 65.2





#55
Dibenzenofuran
Concen: 3.822 ng
RT: 14.939 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BM035803.D
Acq: 13 Jul 2022 20:39

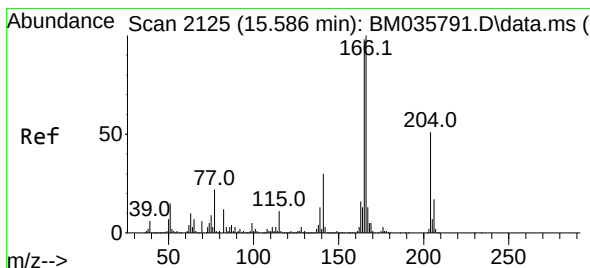
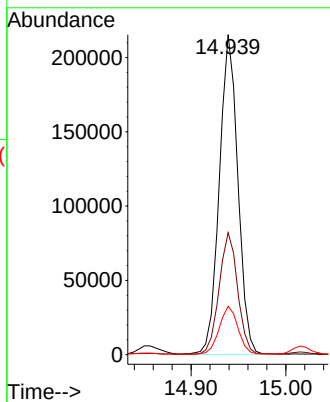
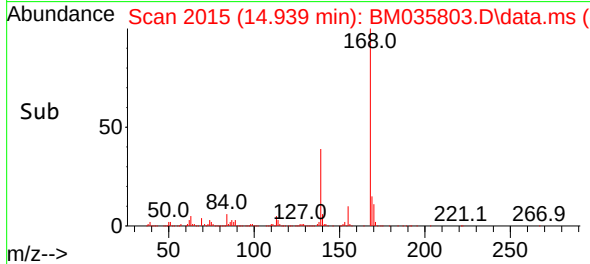
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ClientSampleId :
NB-08-070822DL



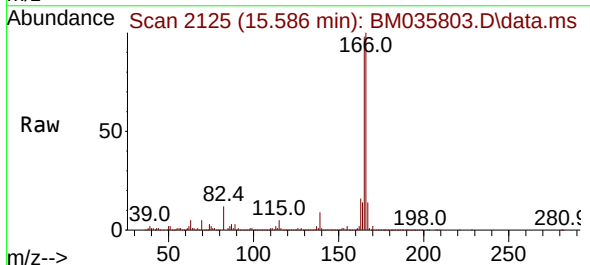
Tgt Ion:168 Resp: 292944
Ion Ratio Lower Upper
168 100
139 38.2 32.2 48.2
169 15.1 10.6 16.0

Manual Integrations
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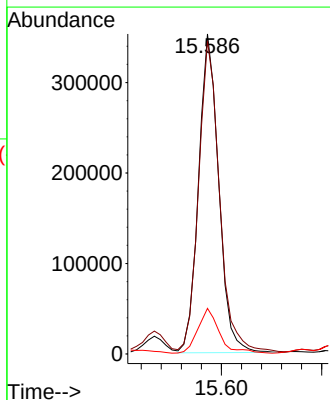
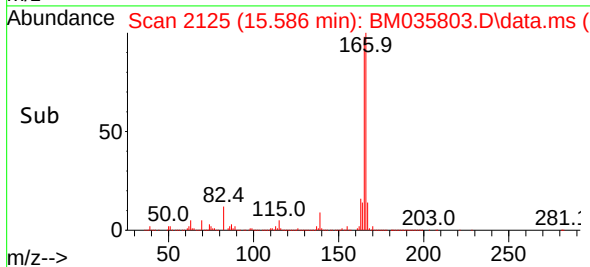
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

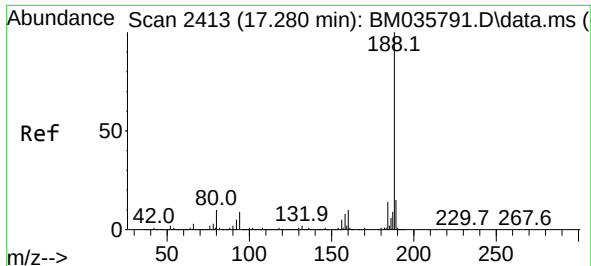


#58
Fluorene
Concen: 8.096 ng
RT: 15.586 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BM035803.D
Acq: 13 Jul 2022 20:39



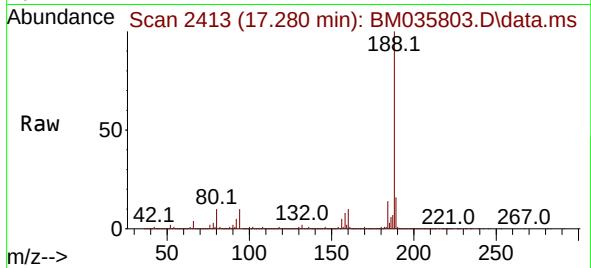
Tgt Ion:166 Resp: 492356
Ion Ratio Lower Upper
166 100
165 97.9 79.4 119.2
167 14.2 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.280 min Scan# 2413
Delta R.T. 0.000 min
Lab File: BM035803.D
Acq: 13 Jul 2022 20:39

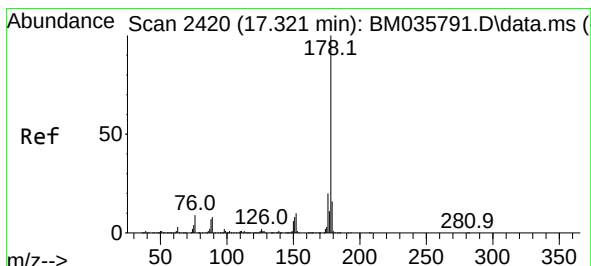
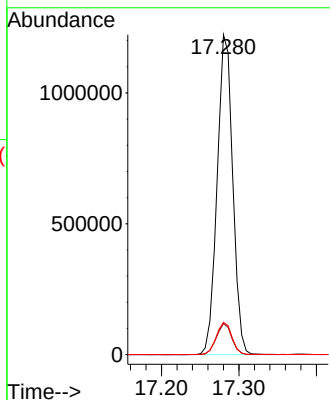
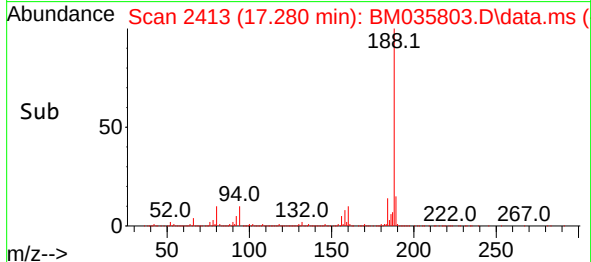
Instrument :
BNA_M
ClientSampleId :
NB-08-070822DL



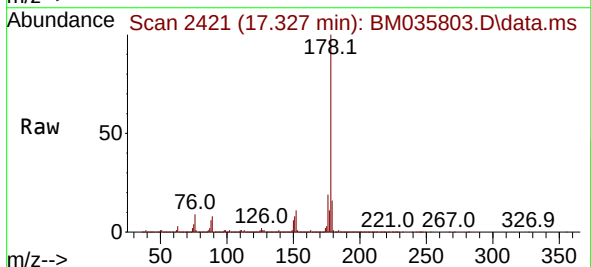
Tgt Ion:188 Resp: 1713834
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.4
80 10.1 7.6 11.4

Manual Integrations
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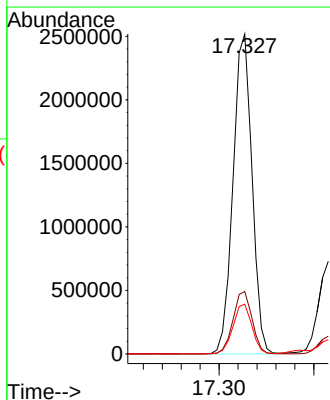
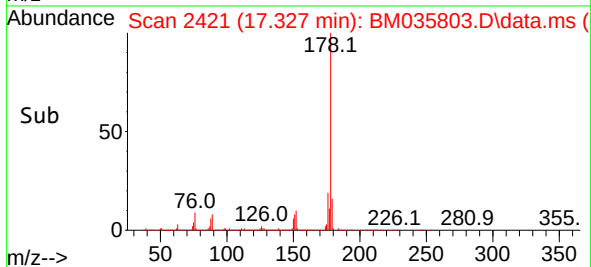
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

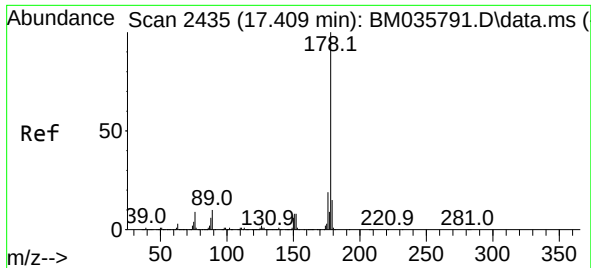


#71
Phenanthrene
Concen: 38.785 ng
RT: 17.327 min Scan# 2421
Delta R.T. 0.006 min
Lab File: BM035803.D
Acq: 13 Jul 2022 20:39



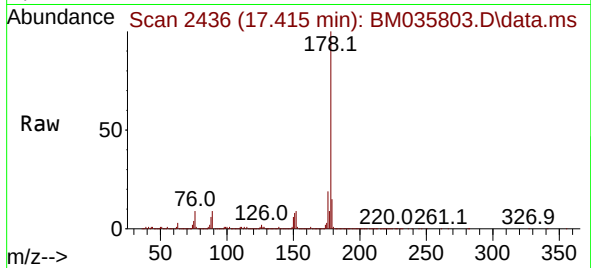
Tgt Ion:178 Resp: 3491902
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.5 12.4 18.6





#72
 Anthracene
 Concen: 11.283 ng
 RT: 17.415 min Scan# 2435
 Delta R.T. 0.006 min
 Lab File: BM035803.D
 Acq: 13 Jul 2022 20:39

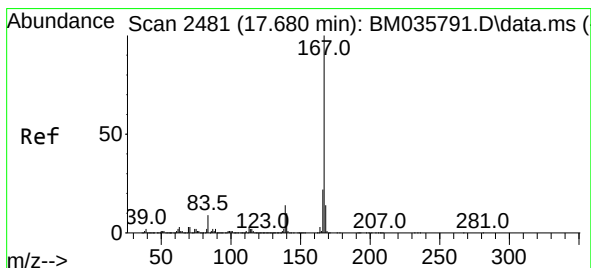
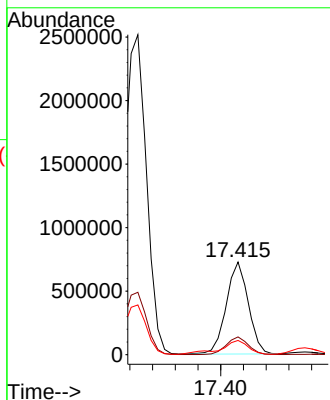
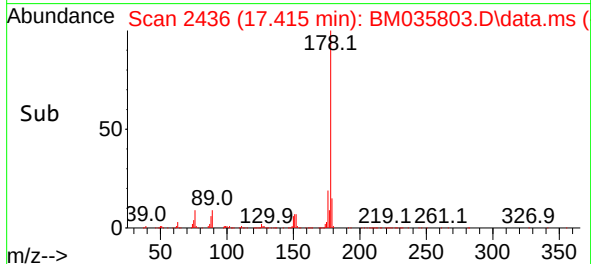
Instrument :
 BNA_M
 ClientSampleId :
 NB-08-070822DL



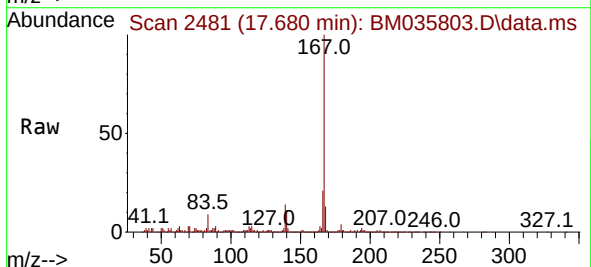
Tgt Ion:178 Resp: 97729
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.0 22.4
 179 15.4 12.2 18.2

Manual Integrations
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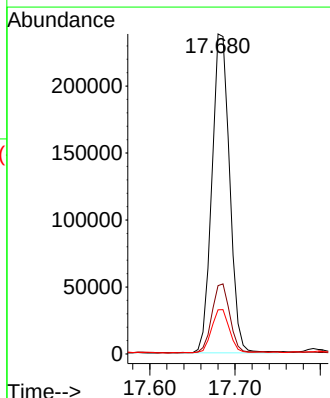
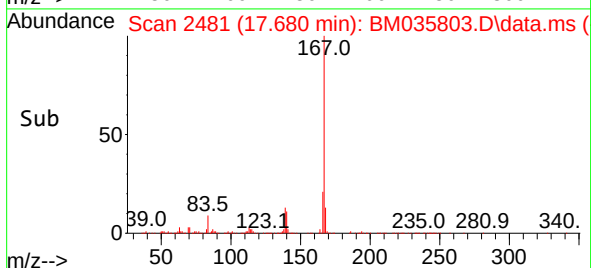
Reviewed By :Christian Giraldo 07/14/2022
 Supervised By :Jagrut Upadhyay 07/14/2022

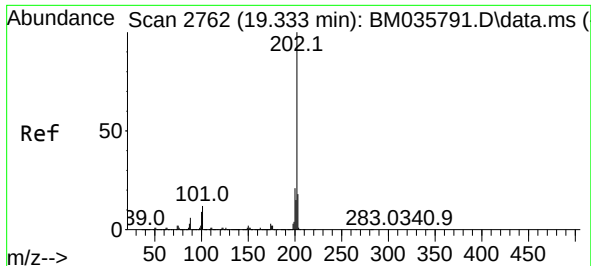


#73
 Carbazole
 Concen: 3.955 ng
 RT: 17.680 min Scan# 2481
 Delta R.T. -0.000 min
 Lab File: BM035803.D
 Acq: 13 Jul 2022 20:39



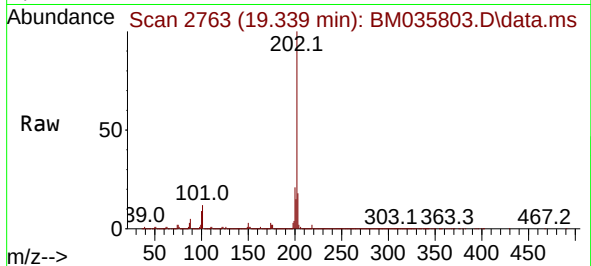
Tgt Ion:167 Resp: 344637
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.8 26.8
 139 13.8 10.9 16.3





#75
Fluoranthene
Concen: 39.491 ng
RT: 19.339 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM035803.D
Acq: 13 Jul 2022 20:39

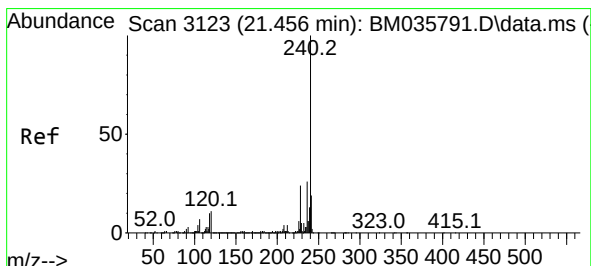
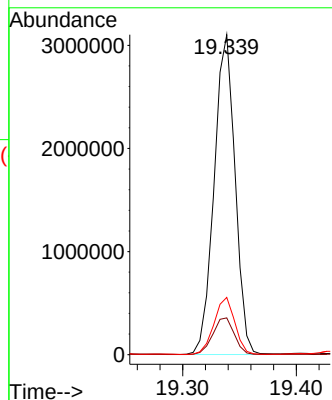
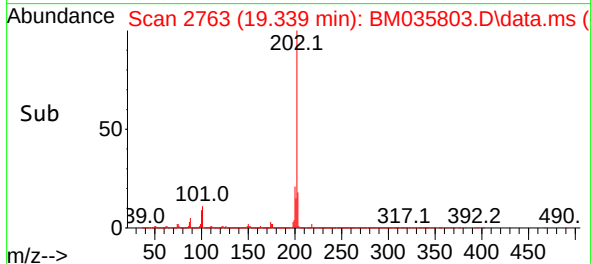
Instrument :
BNA_M
ClientSampleId :
NB-08-070822DL



Tgt Ion:202 Resp: 3976254
Ion Ratio Lower Upper
202 100
101 11.5 0.0 30.6
203 17.9 0.0 37.4

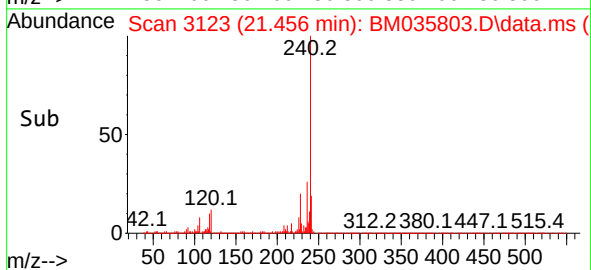
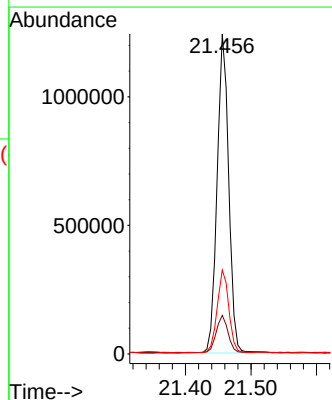
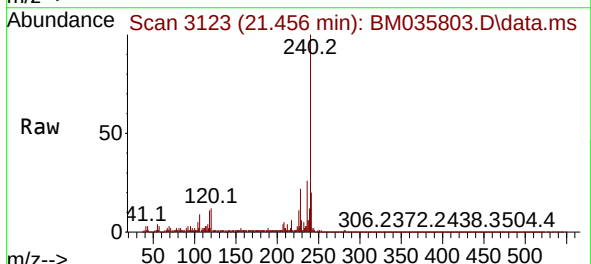
Manual Integrations
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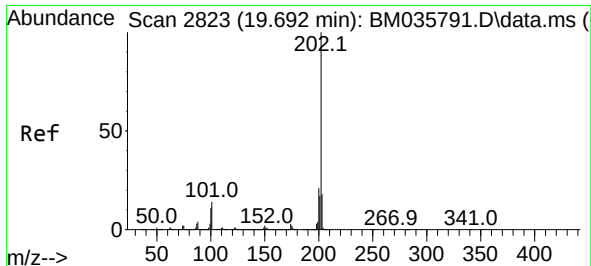
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.456 min Scan# 3123
Delta R.T. 0.000 min
Lab File: BM035803.D
Acq: 13 Jul 2022 20:39

Tgt Ion:240 Resp: 1521463
Ion Ratio Lower Upper
240 100
120 12.0 9.4 14.0
236 26.2 20.6 30.8





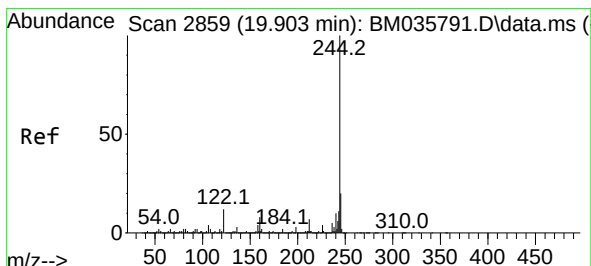
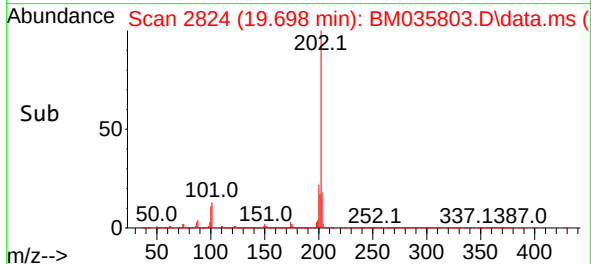
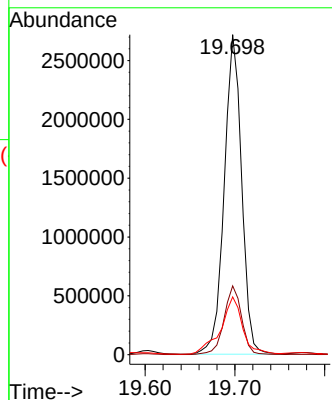
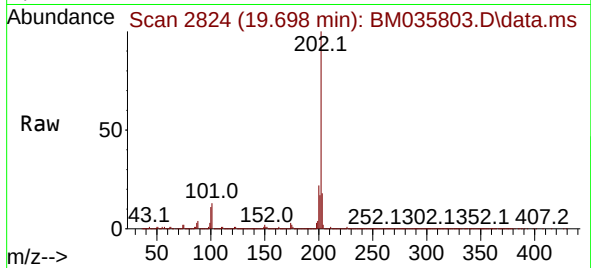
#78
Pyrene
Concen: 38.281 ng
RT: 19.698 min Scan# 2824
Delta R.T. 0.006 min
Lab File: BM035803.D
Acq: 13 Jul 2022 20:39

Instrument :
BNA_M
ClientSampleId :
NB-08-070822DL

Tgt Ion:202 Resp: 365763
Ion Ratio Lower Upper
202 100
200 21.5 16.7 25.1
203 18.1 13.9 20.9

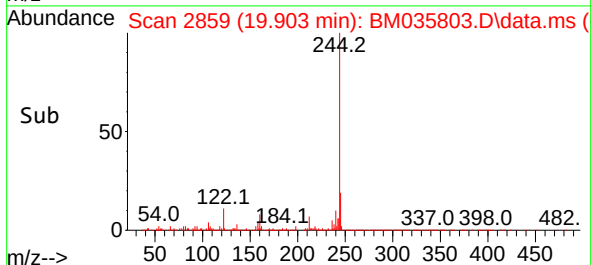
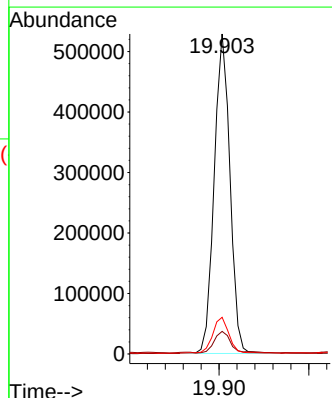
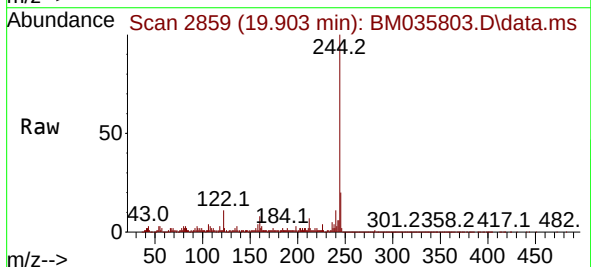
Manual Integrations
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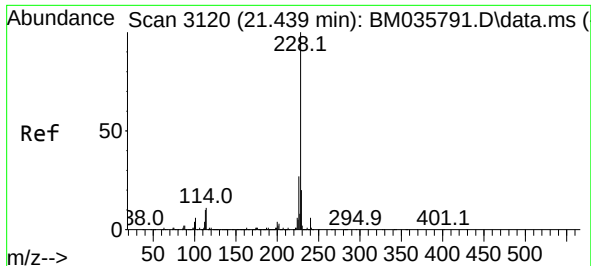
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#79
Terphenyl-d14
Concen: 8.199 ng
RT: 19.903 min Scan# 2859
Delta R.T. 0.000 min
Lab File: BM035803.D
Acq: 13 Jul 2022 20:39

Tgt Ion:244 Resp: 642633
Ion Ratio Lower Upper
244 100
212 7.0 6.2 9.4
122 11.5 8.3 12.5





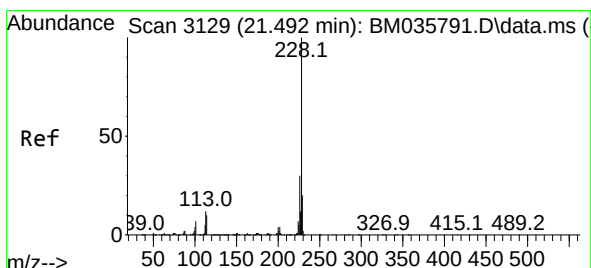
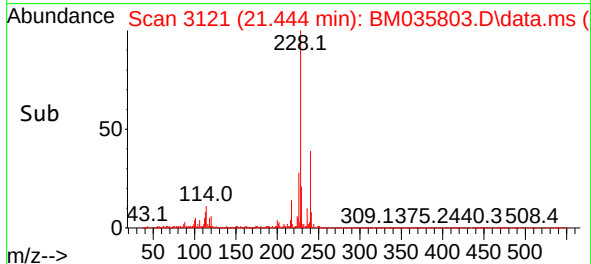
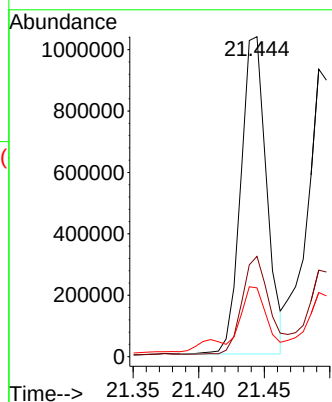
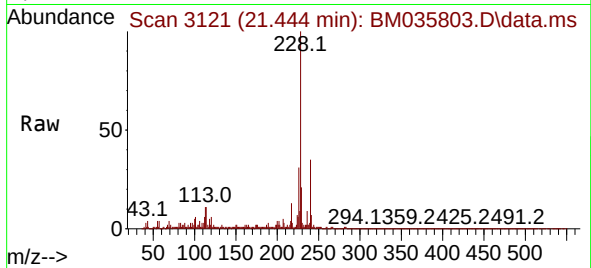
#81
Benzo(a)anthracene
Concen: 14.827 ng
RT: 21.444 min Scan# 3121
Delta R.T. 0.005 min
Lab File: BM035803.D
Acq: 13 Jul 2022 20:39

Instrument :
BNA_M
ClientSampleId :
NB-08-070822DL

Tgt Ion:228 Resp: 141519
Ion Ratio Lower Upper
228 100
226 31.4 22.3 33.5
229 21.5 15.8 23.6

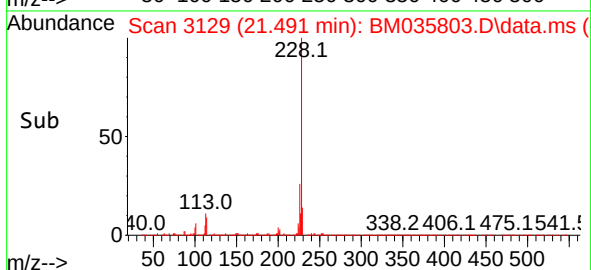
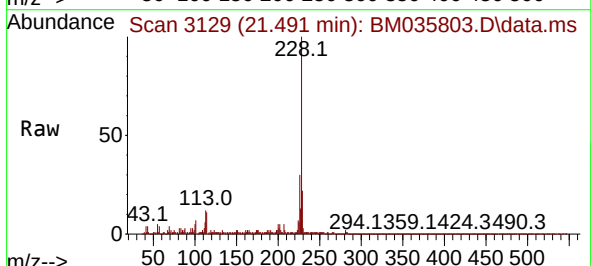
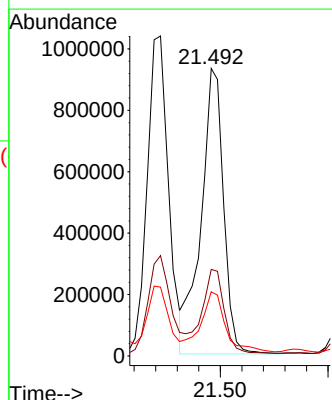
Manual Integrations
APPROVED

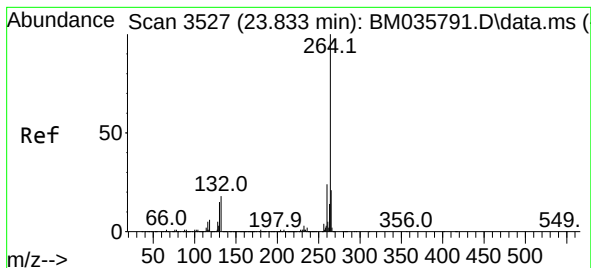
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#83
Chrysene
Concen: 14.668 ng m
RT: 21.491 min Scan# 3129
Delta R.T. -0.001 min
Lab File: BM035803.D
Acq: 13 Jul 2022 20:39

Tgt Ion:228 Resp: 1351626
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 22.3 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.844 min Scan# 3

Delta R.T. 0.011 min

Lab File: BM035803.D

Acq: 13 Jul 2022 20:39

Instrument :

BNA_M

ClientSampleId :

NB-08-070822DL

Tgt Ion:264 Resp: 157636

Ion Ratio Lower Upper

264 100

260 24.5 18.9 28.3

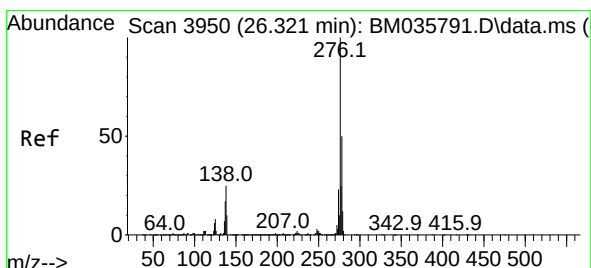
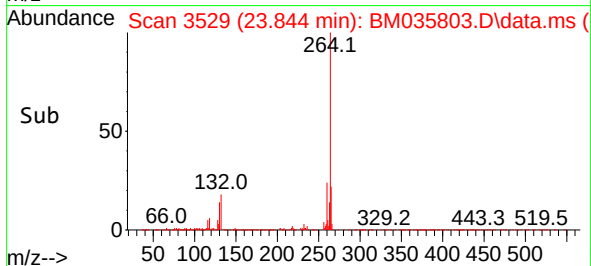
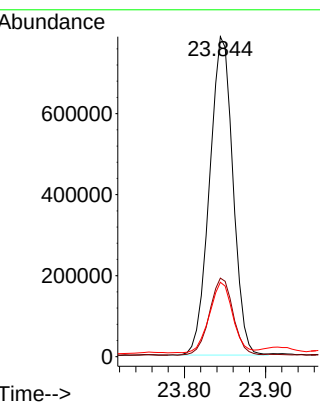
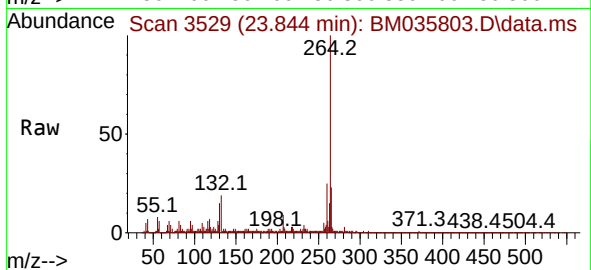
265 23.2 17.5 26.3

Manual Integrations

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Reviewed By :Christian Giraldo 07/14/2022

Supervised By :Jagrut Upadhyay 07/14/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.442 ng

RT: 26.332 min Scan# 3952

Delta R.T. 0.011 min

Lab File: BM035803.D

Acq: 13 Jul 2022 20:39

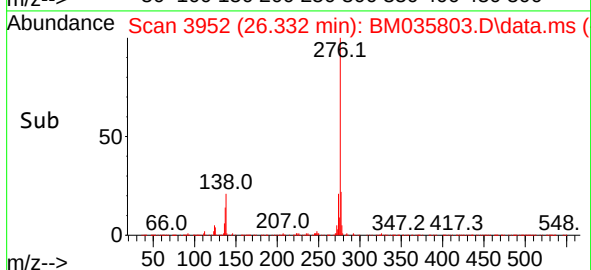
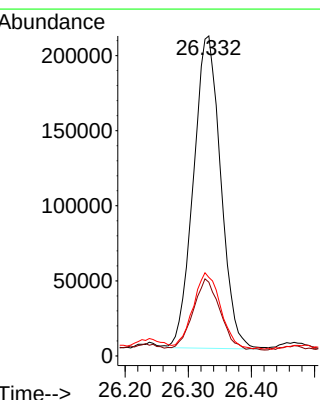
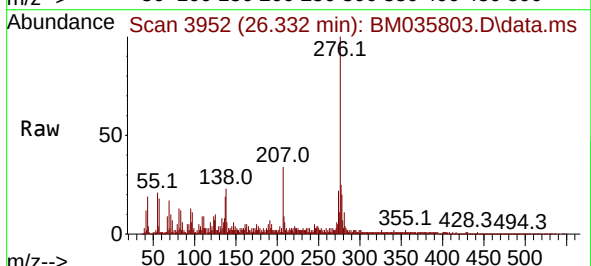
Tgt Ion:276 Resp: 624657

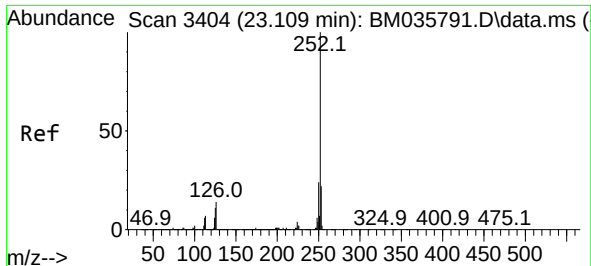
Ion Ratio Lower Upper

276 100

138 22.7 20.2 30.4

277 24.6 20.2 30.2





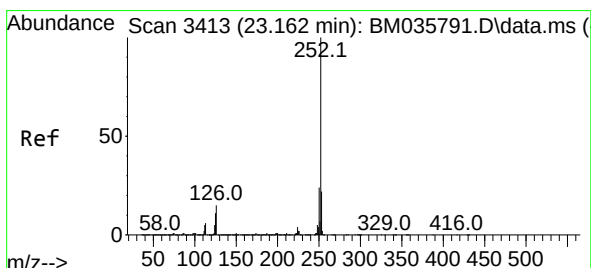
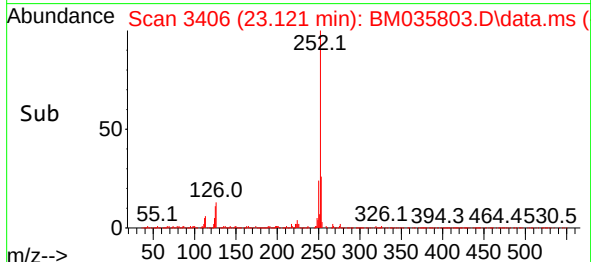
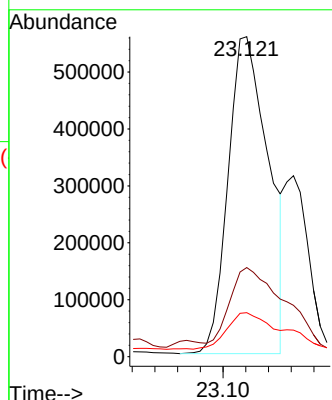
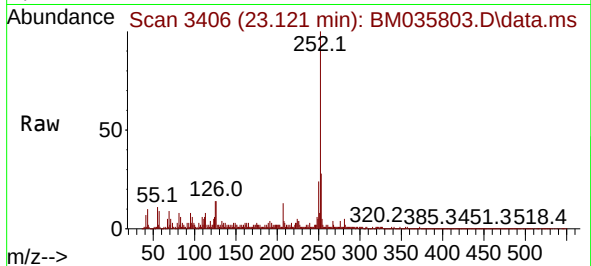
#88
Benzo(b)fluoranthene
Concen: 14.456 ng
RT: 23.121 min Scan# 3406
Delta R.T. 0.012 min
Lab File: BM035803.D
Acq: 13 Jul 2022 20:39

Instrument :
BNA_M
ClientSampleId :
NB-08-070822DL

Tgt Ion:252 Resp: 137636
Ion Ratio Lower Upper
252 100
253 27.9 17.6 26.4#
125 13.7 7.6 11.4#

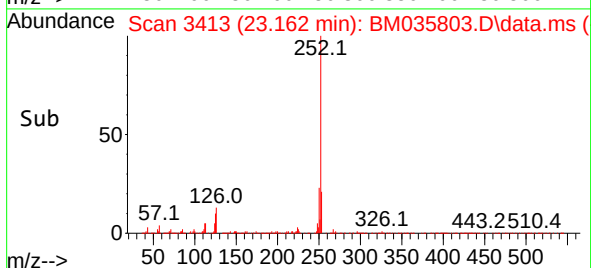
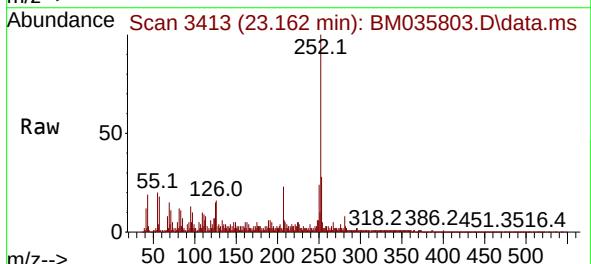
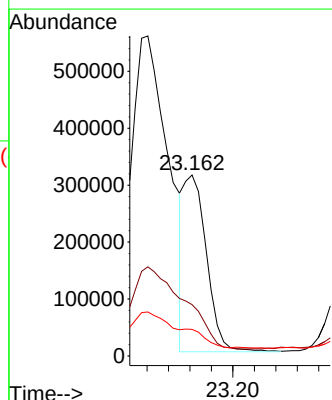
Manual Integrations
APPROVED

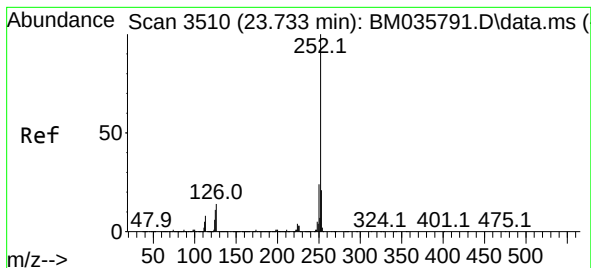
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#89
Benzo(k)fluoranthene
Concen: 4.590 ng m
RT: 23.162 min Scan# 3413
Delta R.T. -0.000 min
Lab File: BM035803.D
Acq: 13 Jul 2022 20:39

Tgt Ion:252 Resp: 457137
Ion Ratio Lower Upper
252 100
253 28.4 17.5 26.3#
125 14.6 7.6 11.4#





#90

Benzo(a)pyrene

Concen: 13.621 ng

RT: 23.738 min Scan# 3

Delta R.T. 0.005 min

Lab File: BM035803.D

Acq: 13 Jul 2022 20:39

Instrument :

BNA_M

ClientSampleId :

NB-08-070822DL

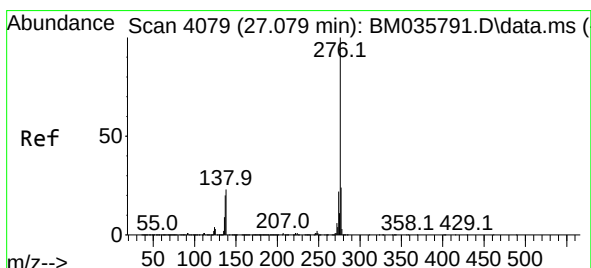
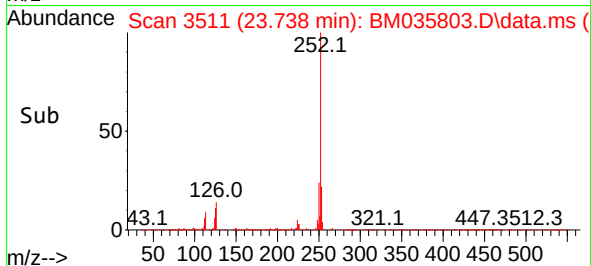
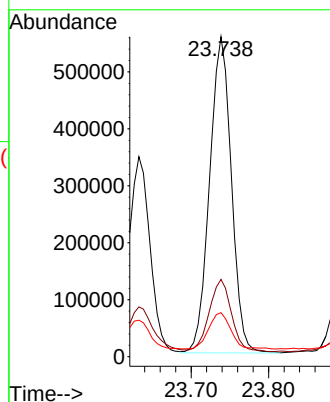
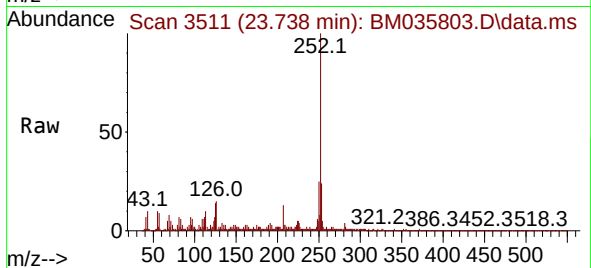
Tgt Ion:252 Resp: 108505
 Ion Ratio Lower Upper
 252 100
 253 24.2 17.2 25.8
 125 13.7 8.7 13.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/14/2022



#92

Benzo(g,h,i)perylene

Concen: 6.659 ng

RT: 27.097 min Scan# 4082

Delta R.T. 0.018 min

Lab File: BM035803.D

Acq: 13 Jul 2022 20:39

Tgt Ion:276 Resp: 625678
 Ion Ratio Lower Upper
 276 100
 277 25.2 18.7 28.1
 138 24.6 17.6 26.4

