

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
 Data File : BM039169.D
 Acq On : 27 Mar 2023 20:31
 Operator : CG/JU
 Sample : 01998-07DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 10TH-ST-SUBSTATION-TP2DL

Quant Time: Mar 28 01:52:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 28 01:46:09 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/28/2023
 Supervised By : Jagrut Upadhyay 03/28/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.945	152	309758	20.000	ng	0.00
21) Naphthalene-d8	10.757	136	1224046	20.000	ng	0.00
39) Acenaphthene-d10	14.592	164	706447	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	1473708	20.000	ng	0.00
76) Chrysene-d12	21.515	240	1428839	20.000	ng	0.00
86) Perylene-d12	23.944	264	1624251	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	323814	15.882	ng	0.00
7) Phenol-d6	7.110	99	406264	15.341	ng	0.00
23) Nitrobenzene-d5	9.110	82	245107	9.836	ng	0.00
42) 2,4,6-Tribromophenol	16.080	330	133340	16.316	ng	0.00
45) 2-Fluorobiphenyl	13.216	172	529895	9.765	ng	0.00
79) Terphenyl-d14	19.956	244	833502	10.665	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.651	154	90860	2.057	ng	98
58) Fluorene	15.633	166	113620	2.098	ng	98
71) Phenanthrene	17.380	178	1924021	22.245	ng	100
72) Anthracene	17.468	178	398820	4.624	ng	99
73) Carbazole	17.739	167	210790	2.678	ng	99
75) Fluoranthene	19.392	202	2943087	32.227	ng	98
78) Pyrene	19.756	202	2741471	25.545	ng	99
81) Benzo(a)anthracene	21.503	228	1559611	15.157	ng	99
83) Chrysene	21.556	228	1369501	13.684	ng	98
87) Indeno(1,2,3-cd)pyrene	26.468	276	884355	7.155	ng	96
88) Benzo(b)fluoranthene	23.209	252	1828099	17.617	ng	98
89) Benzo(k)fluoranthene	23.250	252	592722m	5.489	ng	
90) Benzo(a)pyrene	23.838	252	1321276	13.230	ng	98
91) Dibenzo(a,h)anthracene	26.474	278	244611	2.337	ng	# 86
92) Benzo(g,h,i)perylene	27.250	276	850417	8.305	ng	100

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

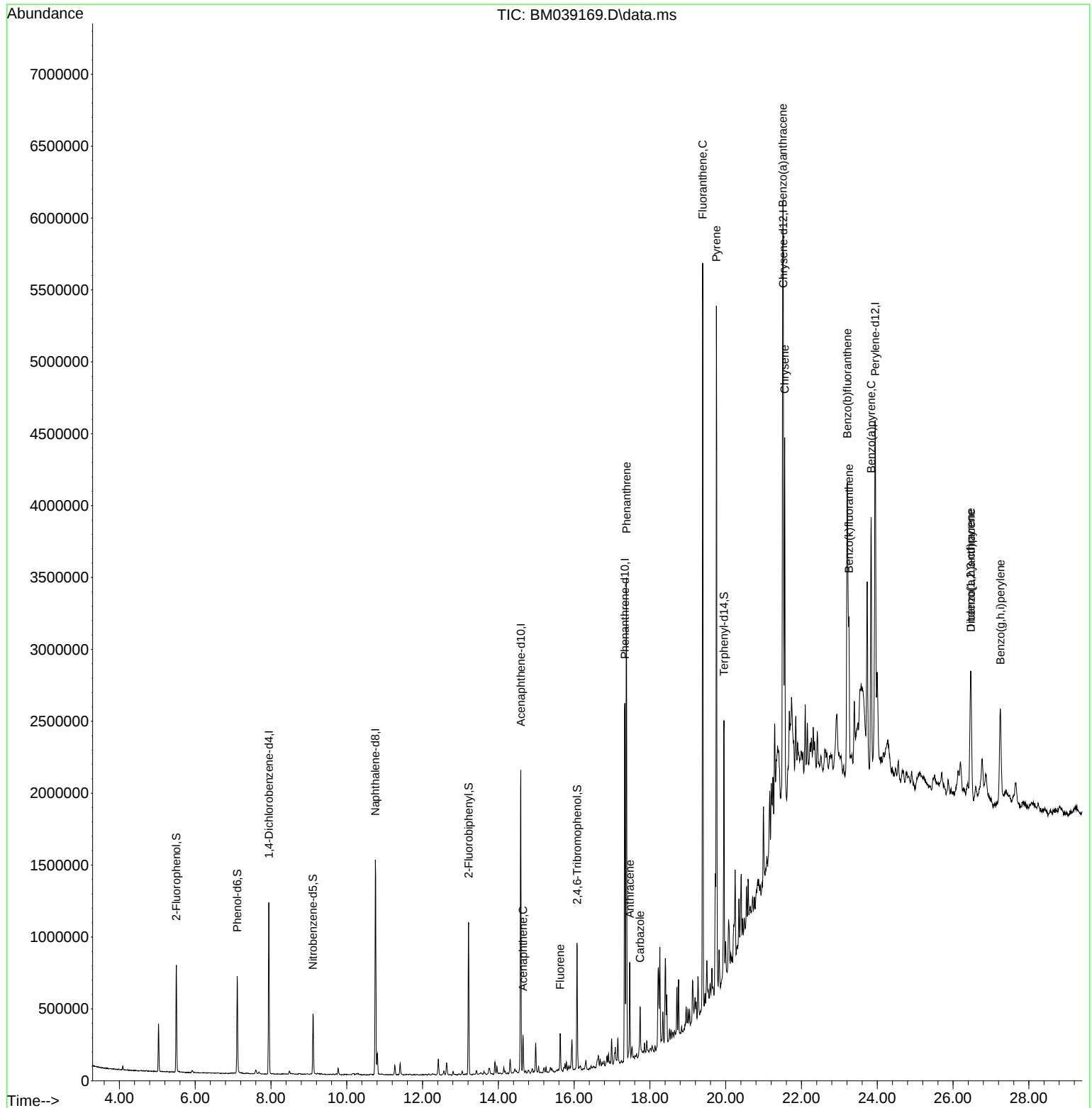
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Acq On : 27 Mar 2023 20:31
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ALS Vial : 15 Sample Multiplier: 1

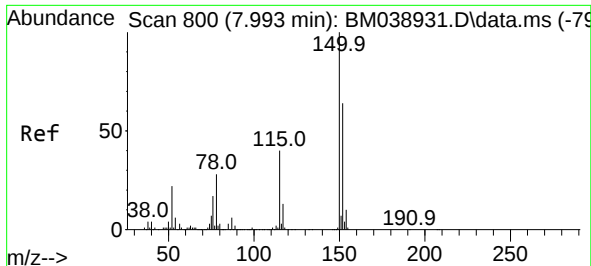
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Quant Time: Mar 28 01:52:51 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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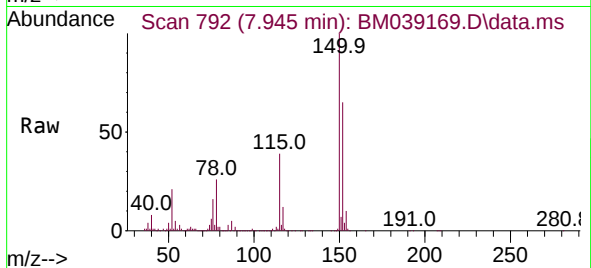
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.945 min Scan# 79
Delta R.T. 0.000 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

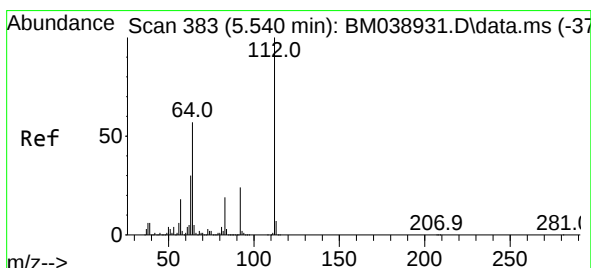
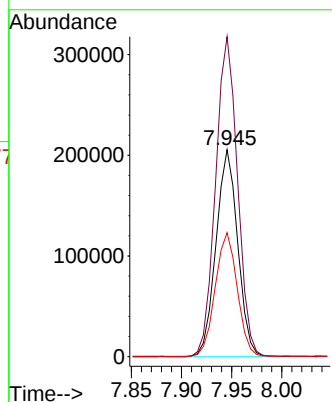
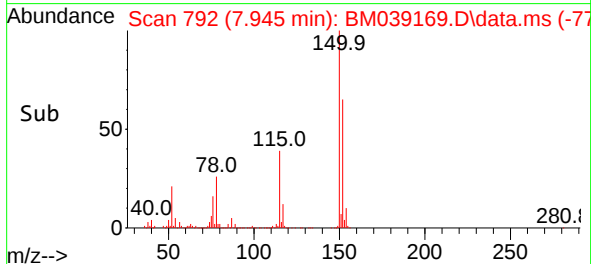
Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP2DL



Tgt Ion:152 Resp: 309758
Ion Ratio Lower Upper
152 100
150 154.6 125.1 187.7
115 59.9 49.6 74.4

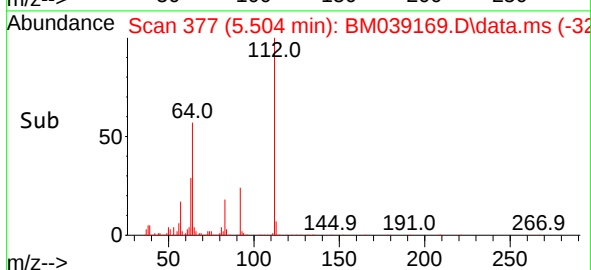
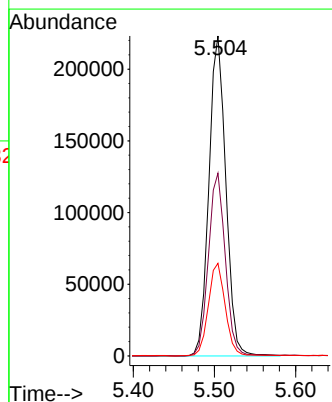
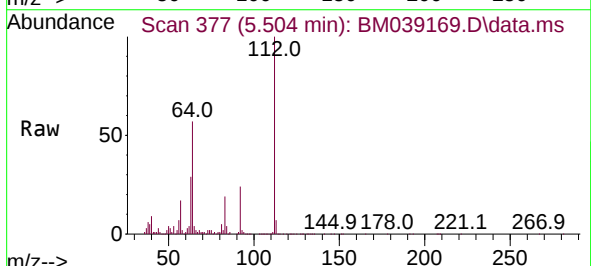
Manual Integrations
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Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#5
2-Fluorophenol
Concen: 15.882 ng
RT: 5.504 min Scan# 377
Delta R.T. 0.006 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

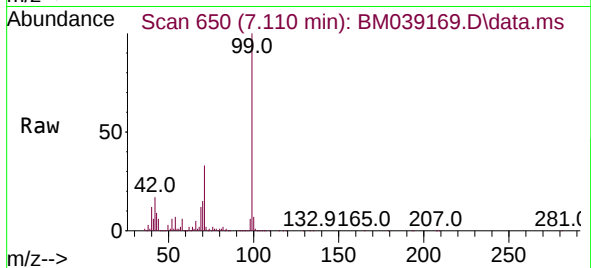
Tgt Ion:112 Resp: 323814
Ion Ratio Lower Upper
112 100
64 57.1 45.9 68.9
63 28.9 23.8 35.8





#7
Phenol-d6
Concen: 15.341 ng
RT: 7.110 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

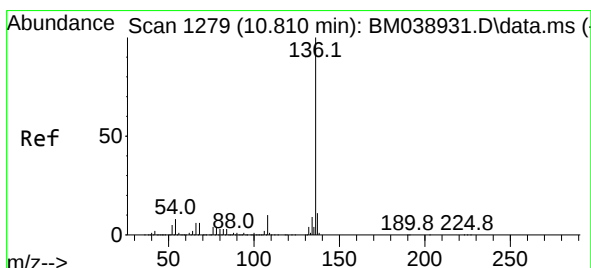
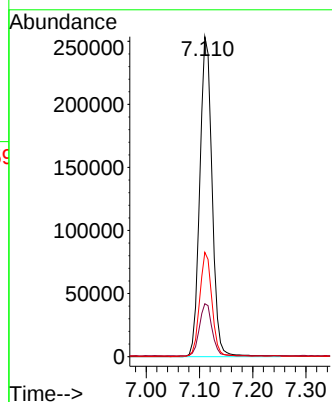
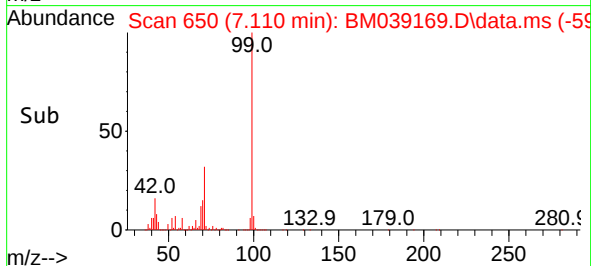
Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP2DL



Tgt Ion: 99 Resp: 406264
Ion Ratio Lower Upper
99 100
42 16.5 13.5 20.3
71 32.6 25.6 38.4

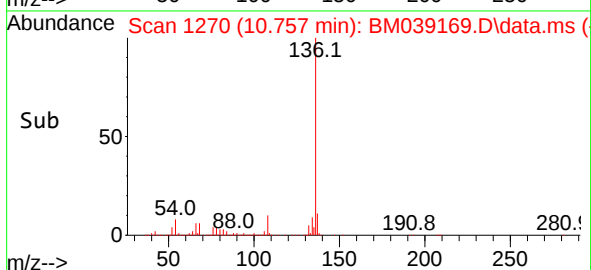
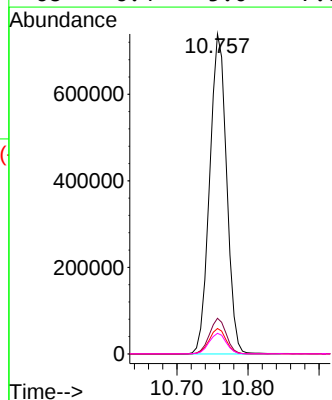
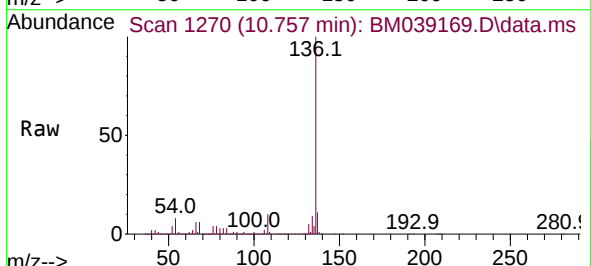
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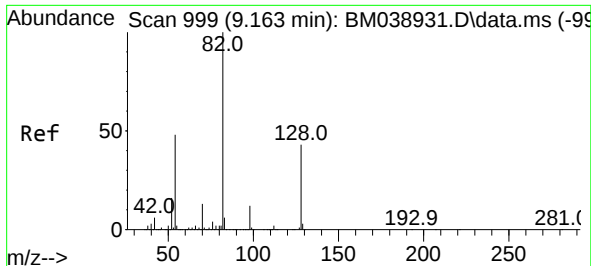
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.757 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

Tgt Ion:136 Resp: 1224046
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 7.9 6.3 9.5
68 6.4 5.0 7.6





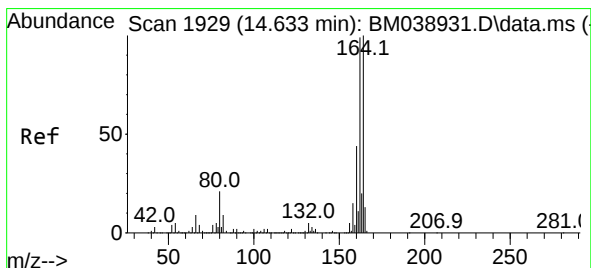
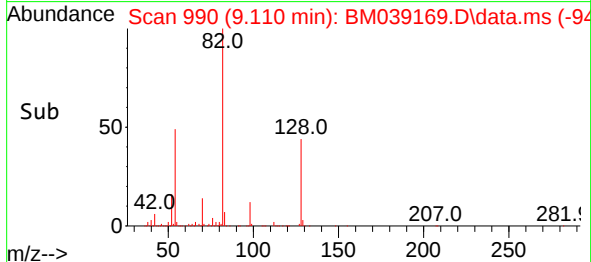
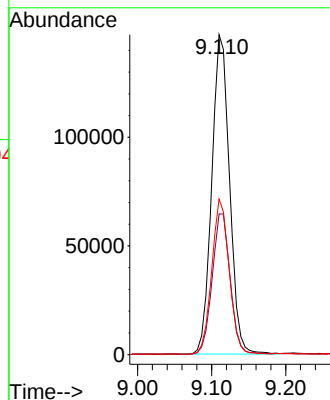
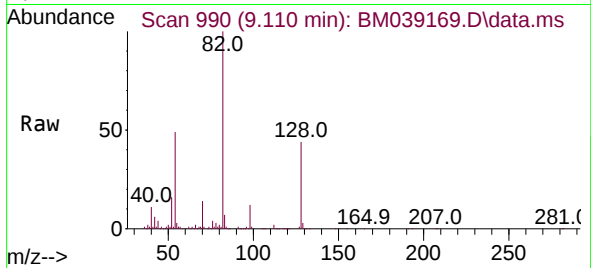
#23
Nitrobenzene-d5
Concen: 9.836 ng
RT: 9.110 min Scan# 999
Delta R.T. -0.006 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP2DL

Tgt Ion: 82 Resp: 245107
Ion Ratio Lower Upper
82 100
128 44.0 34.4 51.6
54 48.6 38.8 58.2

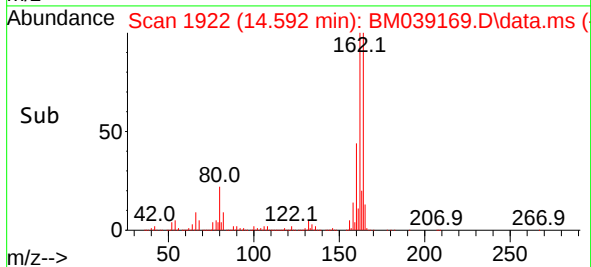
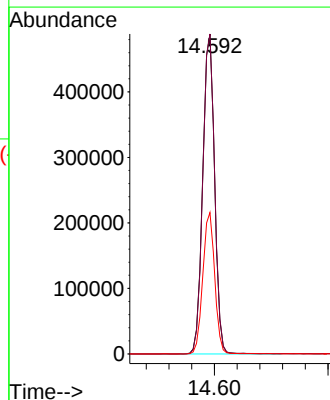
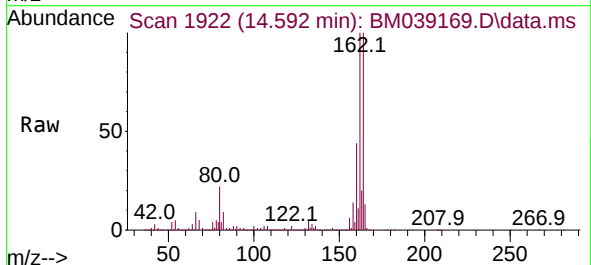
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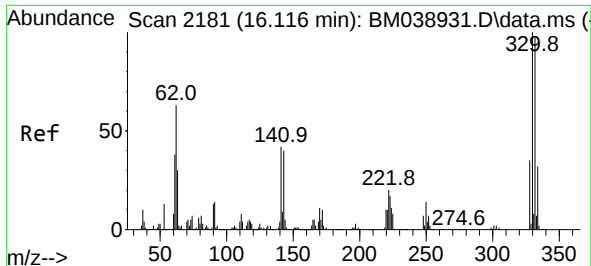
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.592 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

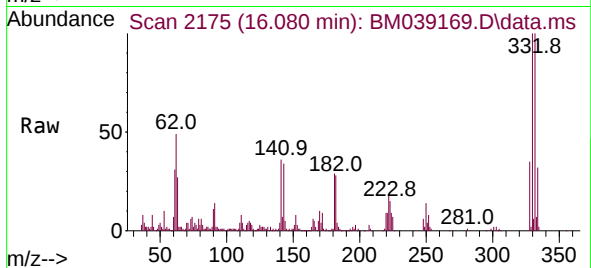
Tgt Ion:164 Resp: 706447
Ion Ratio Lower Upper
164 100
162 99.9 79.2 118.8
160 44.2 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 16.316 ng
RT: 16.080 min Scan# 2181
Delta R.T. -0.000 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

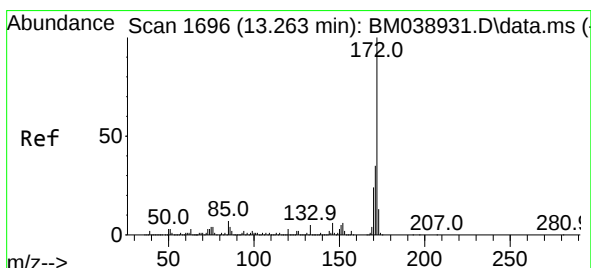
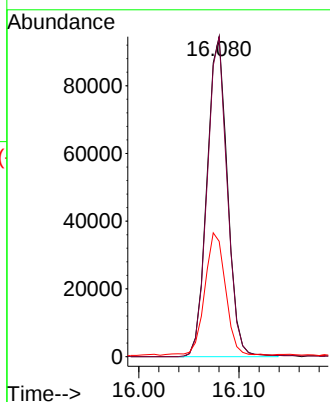
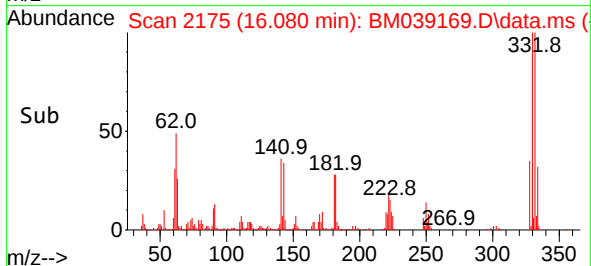
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BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP2DL



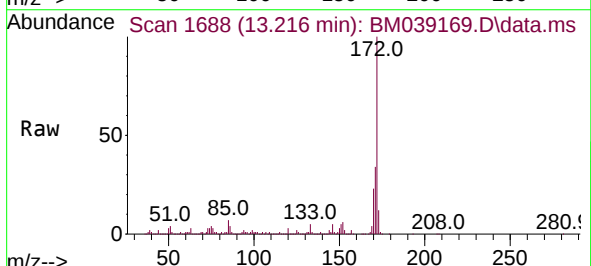
Tgt Ion:330 Resp: 133340
Ion Ratio Lower Upper
330 100
332 98.6 77.4 116.0
141 38.7 32.2 48.4

Manual Integrations
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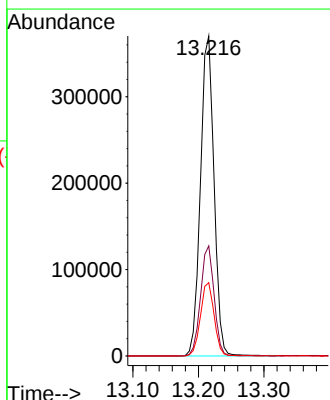
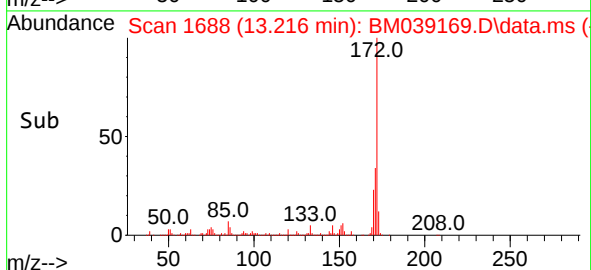
Reviewed By :Christian Giraldo 03/28/2023
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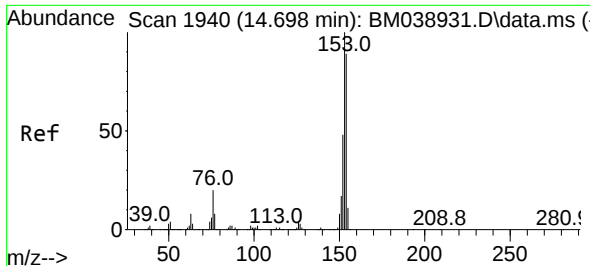


#45
2-Fluorobiphenyl
Concen: 9.765 ng
RT: 13.216 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31



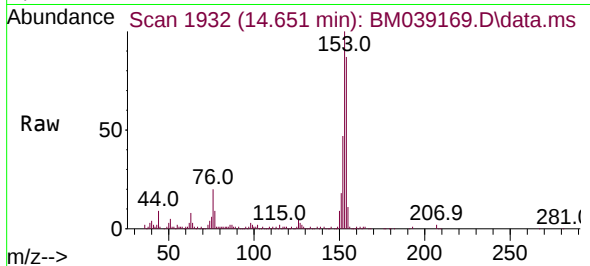
Tgt Ion:172 Resp: 529895
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.2
170 22.9 19.1 28.7





#52
Acenaphthene
Concen: 2.057 ng
RT: 14.651 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

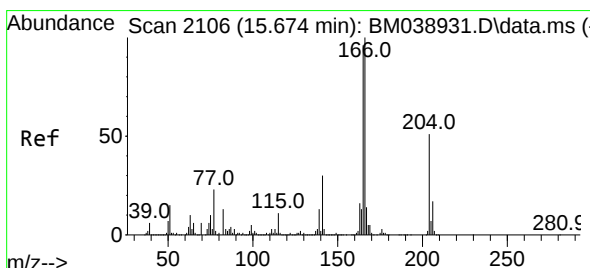
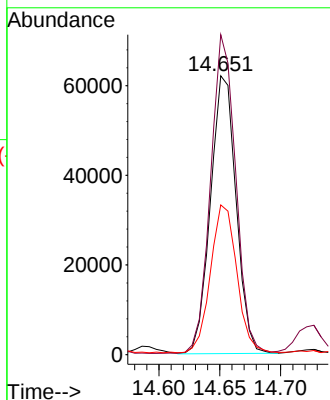
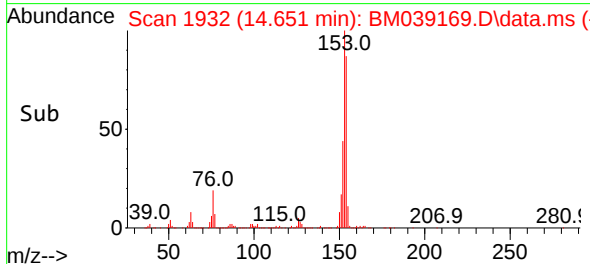
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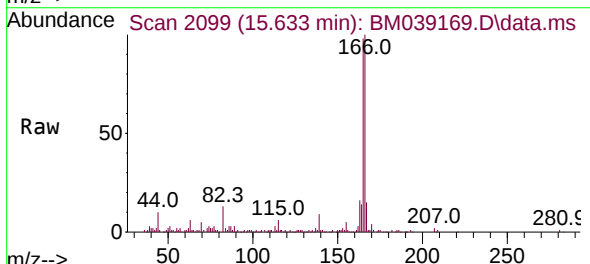
Tgt Ion:154 Resp: 90860
Ion Ratio Lower Upper
154 100
153 114.8 90.2 135.2
152 53.7 43.4 65.2

Manual Integrations
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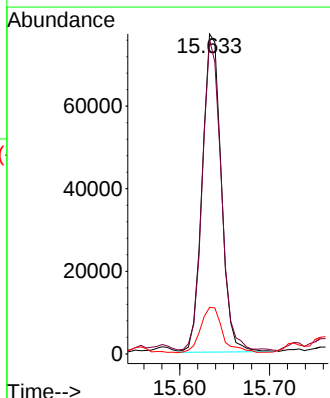
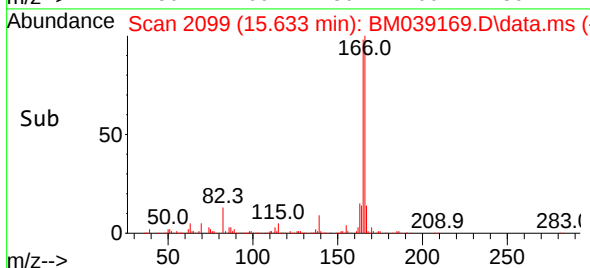
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023

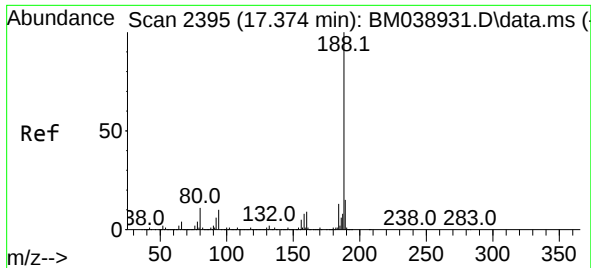


#58
Fluorene
Concen: 2.098 ng
RT: 15.633 min Scan# 2099
Delta R.T. -0.006 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31



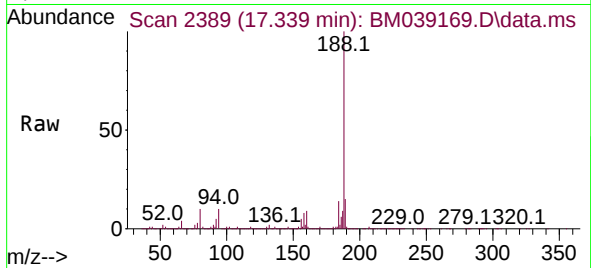
Tgt Ion:166 Resp: 113620
Ion Ratio Lower Upper
166 100
165 98.3 77.1 115.7
167 14.6 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 2395
Delta R.T. 0.006 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

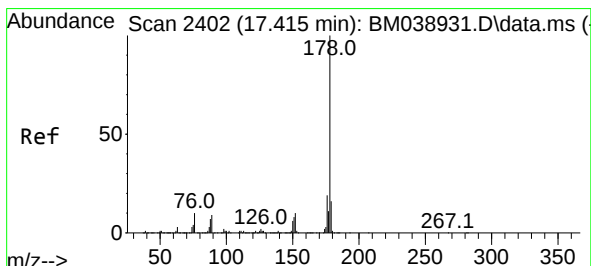
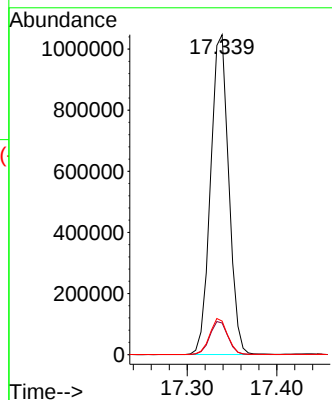
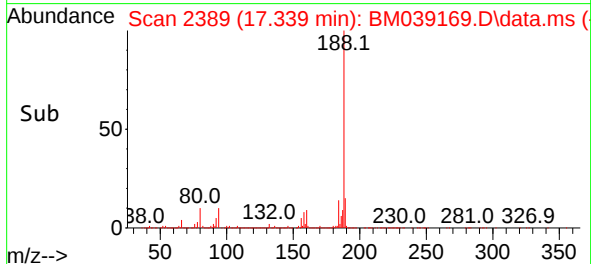
Instrument :
BNA_M
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10TH-ST-SUBSTATION-TP2DL



Tgt Ion:188 Resp: 1473708
Ion Ratio Lower Upper
188 100
94 9.9 7.9 11.9
80 10.5 8.5 12.7

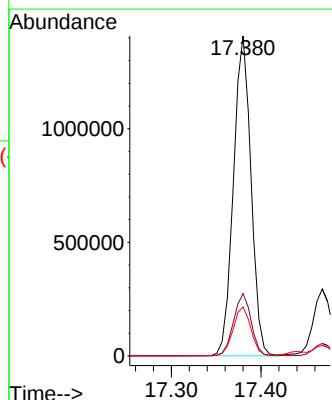
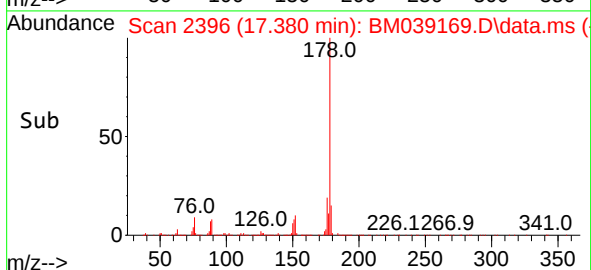
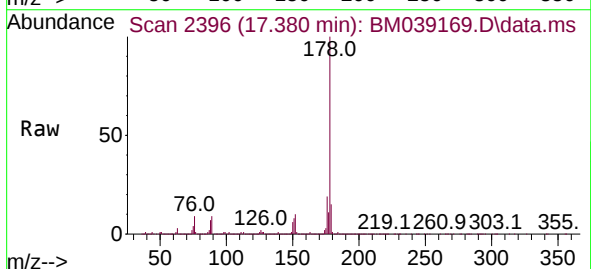
Manual Integrations
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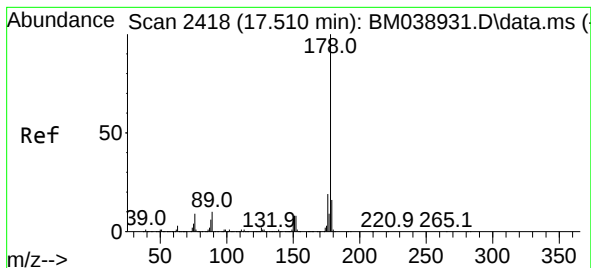
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#71
Phenanthrene
Concen: 22.245 ng
RT: 17.380 min Scan# 2396
Delta R.T. -0.000 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

Tgt Ion:178 Resp: 1924021
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.3 12.5 18.7





#72

Anthracene

Concen: 4.624 ng

RT: 17.468 min Scan# 24

Delta R.T. -0.000 min

Lab File: BM039169.D

Acq: 27 Mar 2023 20:31

Instrument :

BNA_M

ClientSampleId :

10TH-ST-SUBSTATION-TP2DL

Tgt Ion:178 Resp: 398820

Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

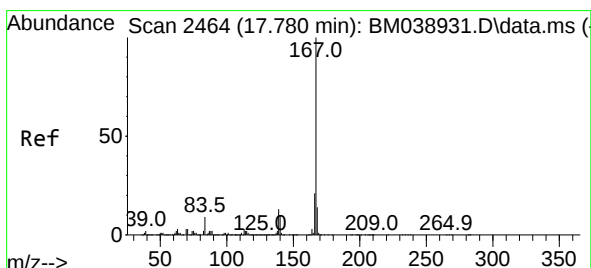
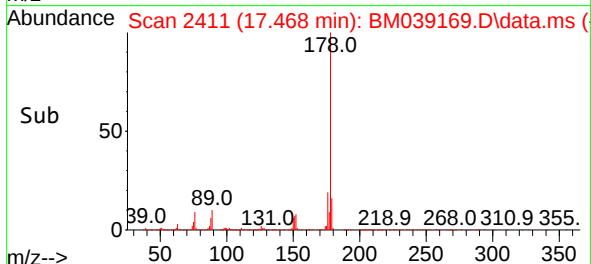
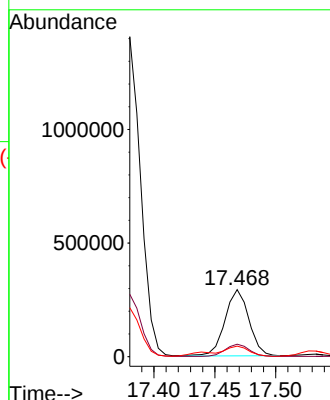
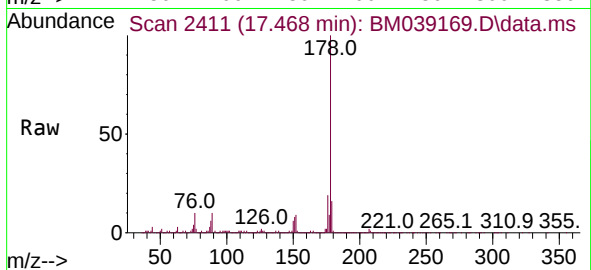
179 15.7 12.5 18.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/28/2023

Supervised By :Jagrut Upadhyay 03/28/2023



#73

Carbazole

Concen: 2.678 ng

RT: 17.739 min Scan# 2457

Delta R.T. -0.000 min

Lab File: BM039169.D

Acq: 27 Mar 2023 20:31

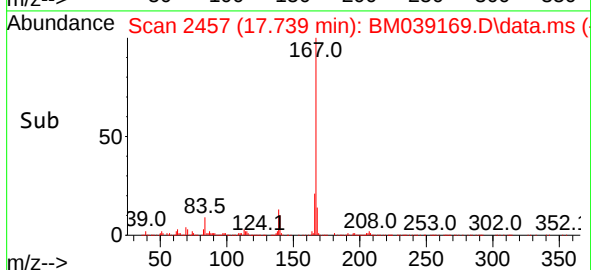
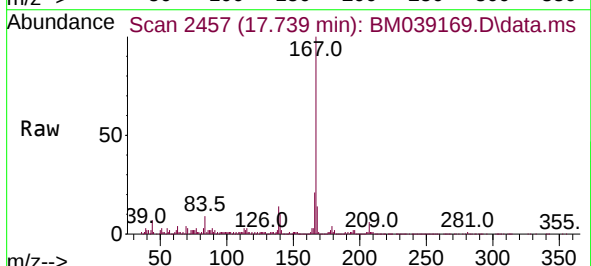
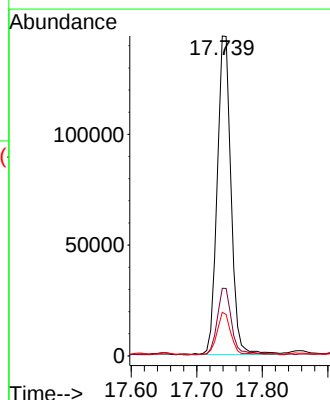
Tgt Ion:167 Resp: 210790

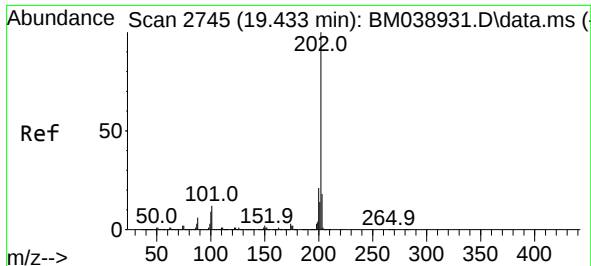
Ion Ratio Lower Upper

167 100

166 21.1 17.0 25.4

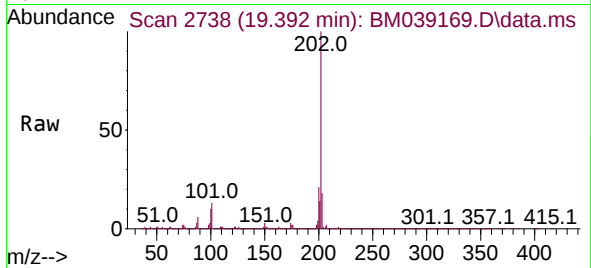
139 13.6 10.3 15.5





#75
Fluoranthene
Concen: 32.227 ng
RT: 19.392 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

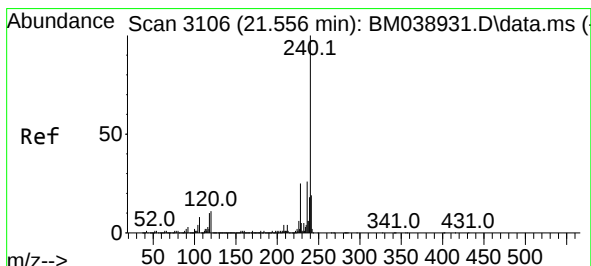
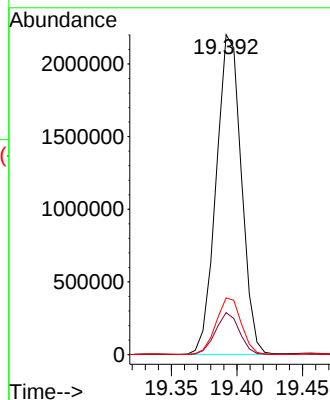
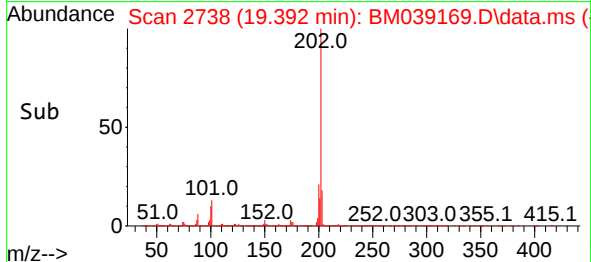
Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP2DL



Tgt Ion:202 Resp: 294308
Ion Ratio Lower Upper
202 100
101 13.1 0.0 31.7
203 17.8 0.0 37.6

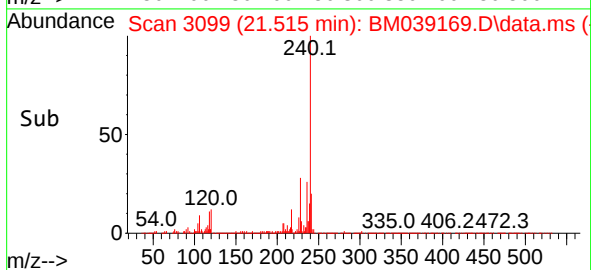
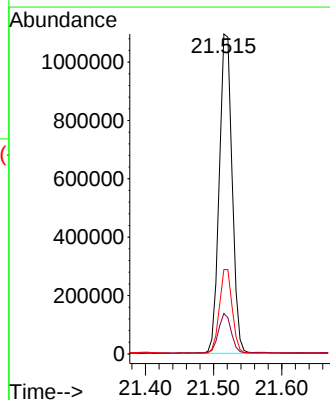
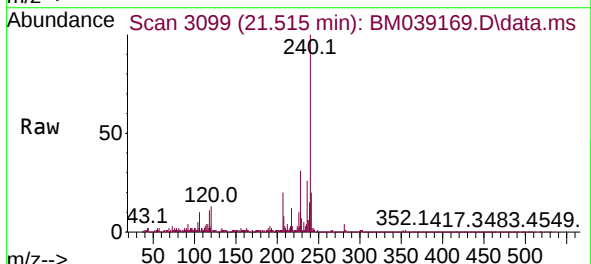
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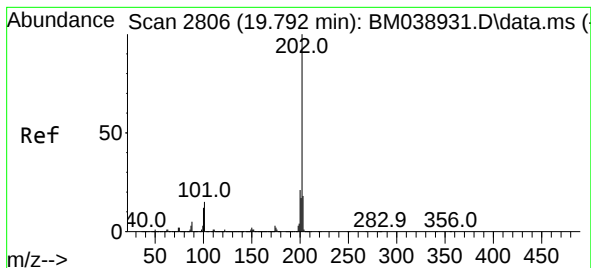
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.515 min Scan# 3099
Delta R.T. -0.000 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

Tgt Ion:240 Resp: 1428839
Ion Ratio Lower Upper
240 100
120 12.6 9.2 13.8
236 26.4 20.8 31.2





#78

Pyrene

Concen: 25.545 ng

RT: 19.756 min Scan# 2800

Delta R.T. -0.000 min

Lab File: BM039169.D

Acq: 27 Mar 2023 20:31

Instrument :

BNA_M

ClientSampleId :

10TH-ST-SUBSTATION-TP2DL

Tgt Ion:202 Resp: 274147

Ion Ratio Lower Upper

202 100

200 21.2 17.1 25.7

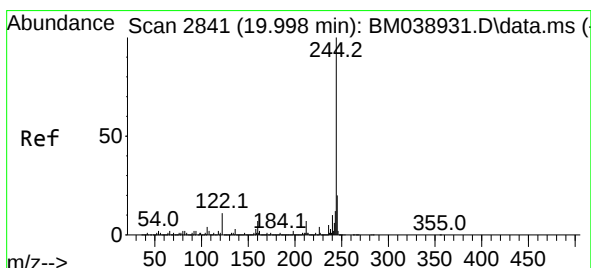
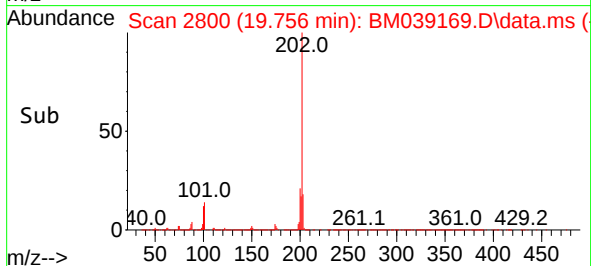
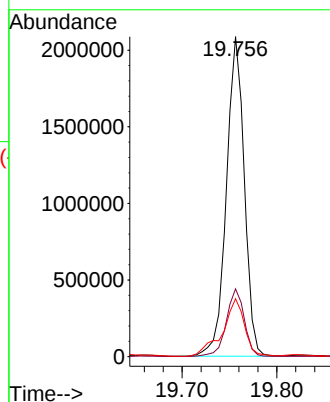
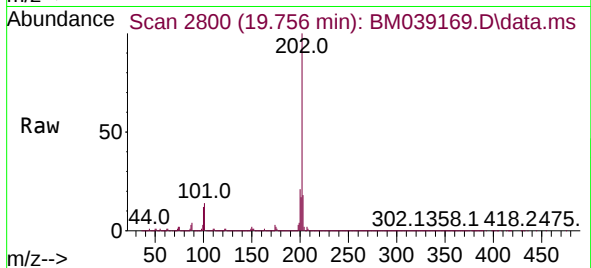
203 18.1 14.1 21.1

Manual Integrations

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Reviewed By :Christian Giraldo 03/28/2023

Supervised By :Jagrut Upadhyay 03/28/2023



#79

Terphenyl-d14

Concen: 10.665 ng

RT: 19.956 min Scan# 2834

Delta R.T. -0.000 min

Lab File: BM039169.D

Acq: 27 Mar 2023 20:31

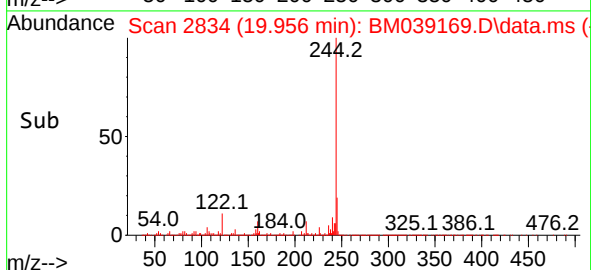
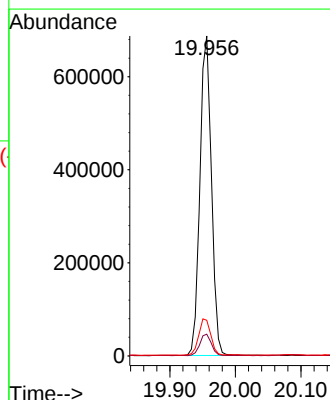
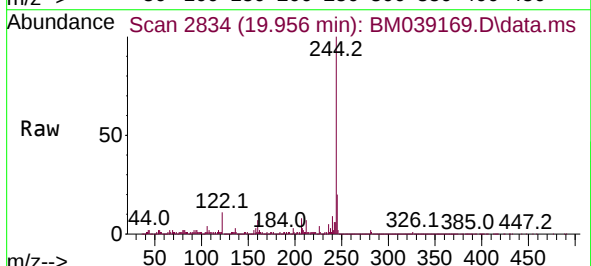
Tgt Ion:244 Resp: 833502

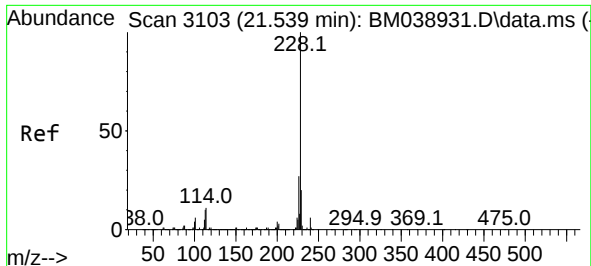
Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 11.1 9.0 13.4





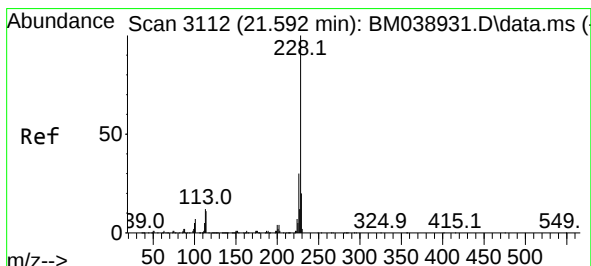
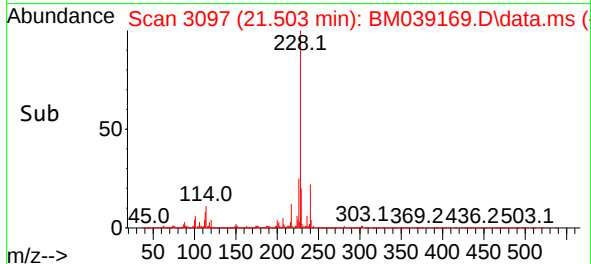
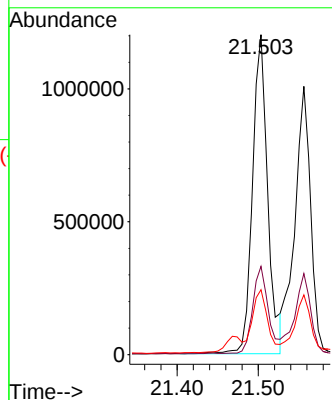
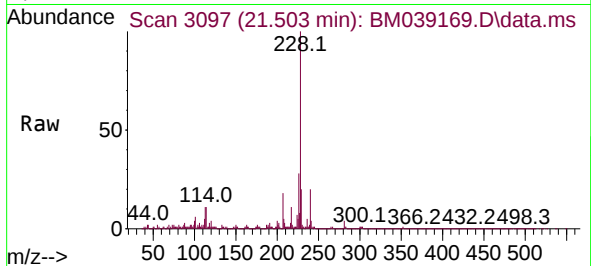
#81
Benzo(a)anthracene
Concen: 15.157 ng
RT: 21.503 min Scan# 30
Delta R.T. 0.006 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP2DL

Tgt Ion:228 Resp: 155961
Ion Ratio Lower Upper
228 100
226 27.6 21.4 32.2
229 20.3 15.7 23.5

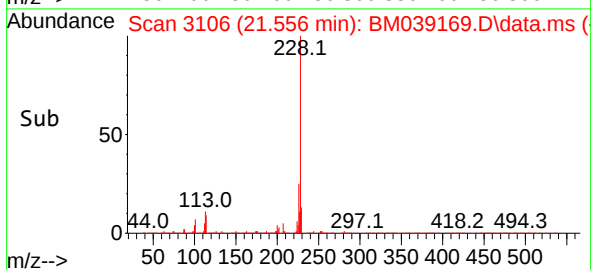
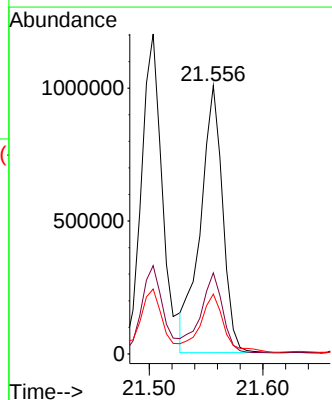
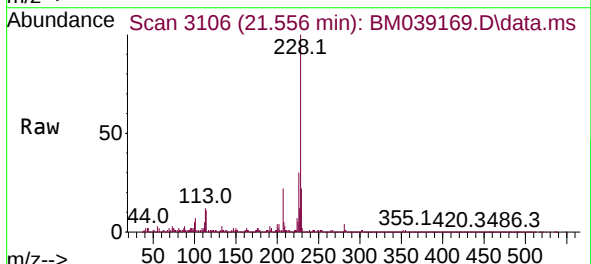
Manual Integrations
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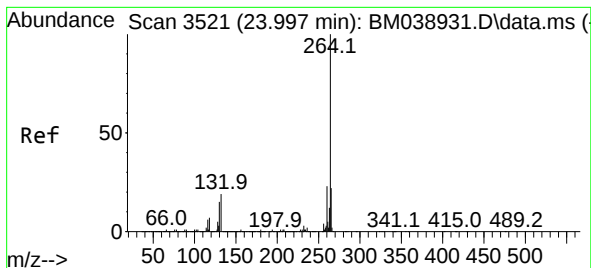
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#83
Chrysene
Concen: 13.684 ng
RT: 21.556 min Scan# 3106
Delta R.T. 0.006 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

Tgt Ion:228 Resp: 1369501
Ion Ratio Lower Upper
228 100
226 30.2 24.0 36.0
229 22.3 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.944 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM039169.D

Acq: 27 Mar 2023 20:31

Instrument :

BNA_M

ClientSampleId :

10TH-ST-SUBSTATION-TP2DL

Tgt Ion:264 Resp: 162425

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

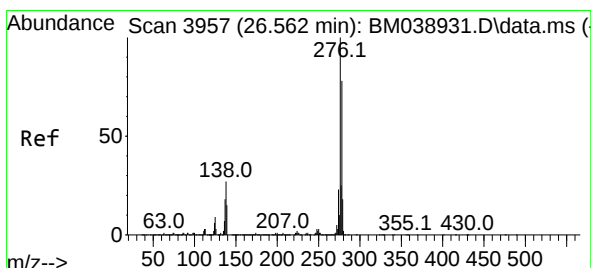
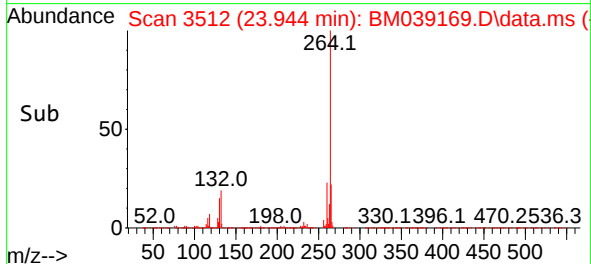
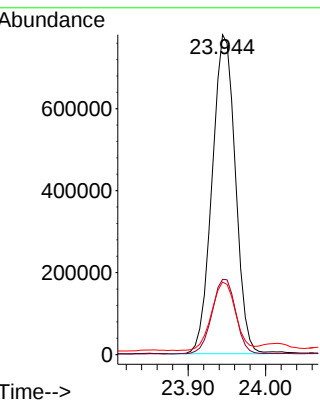
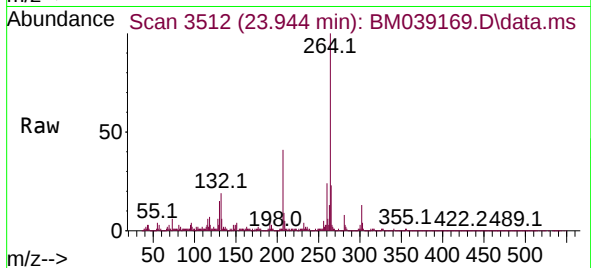
265 22.7 17.9 26.9

Manual Integrations

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Reviewed By :Christian Giraldo 03/28/2023

Supervised By :Jagrut Upadhyay 03/28/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.155 ng

RT: 26.468 min Scan# 3941

Delta R.T. -0.000 min

Lab File: BM039169.D

Acq: 27 Mar 2023 20:31

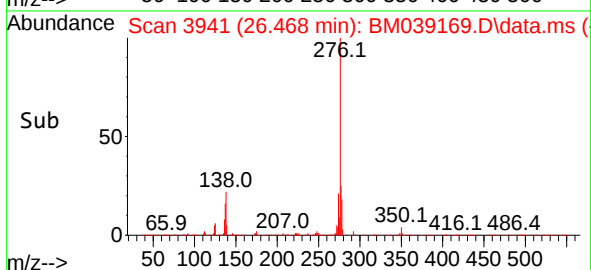
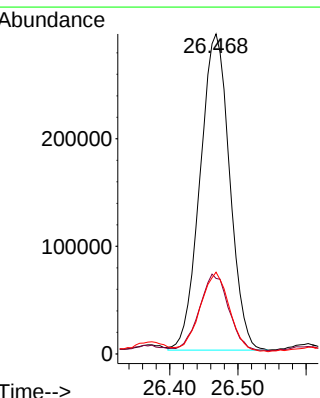
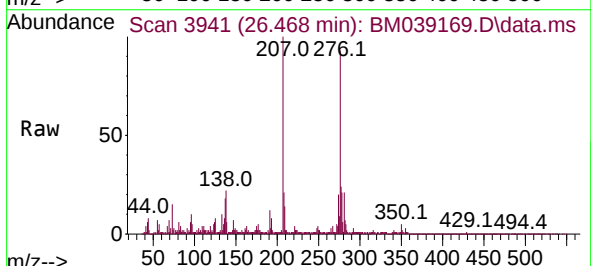
Tgt Ion:276 Resp: 884355

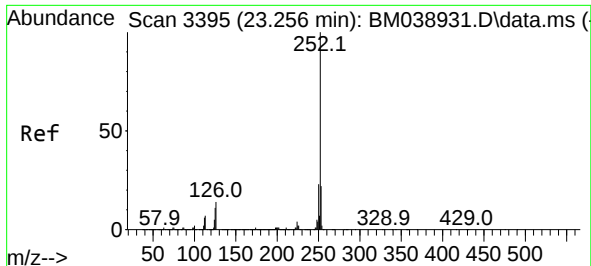
Ion Ratio Lower Upper

276 100

138 24.1 22.1 33.1

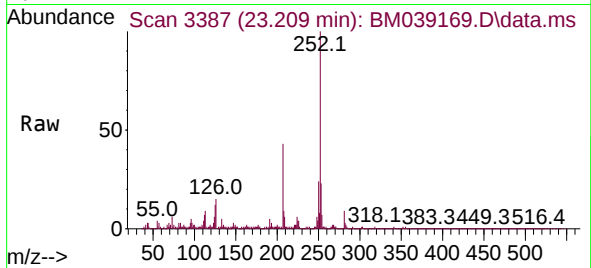
277 25.1 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 17.617 ng
RT: 23.209 min Scan# 3394
Delta R.T. 0.012 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

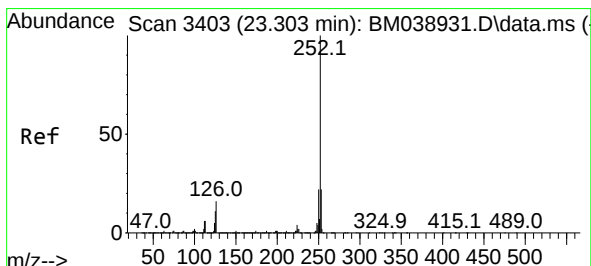
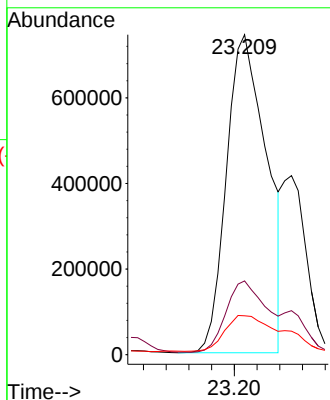
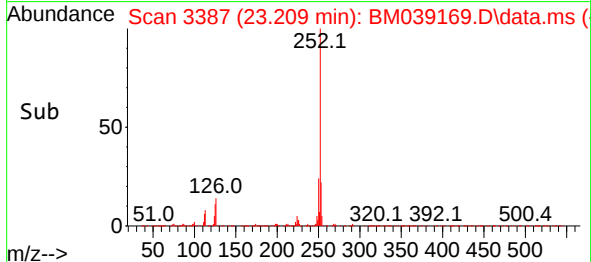
Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP2DL



Tgt Ion:252 Resp: 1828099
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 12.2 8.8 13.2

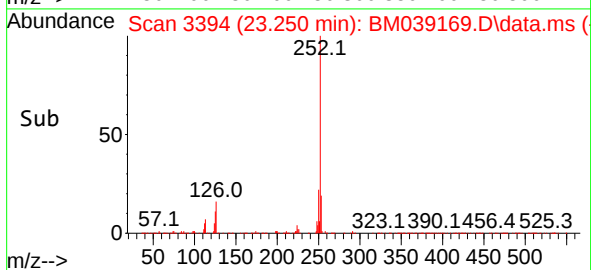
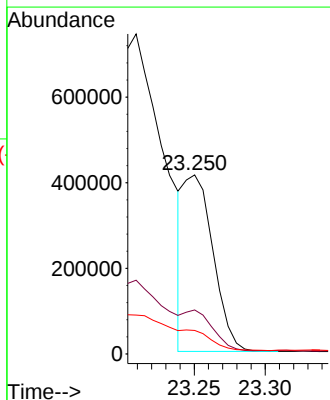
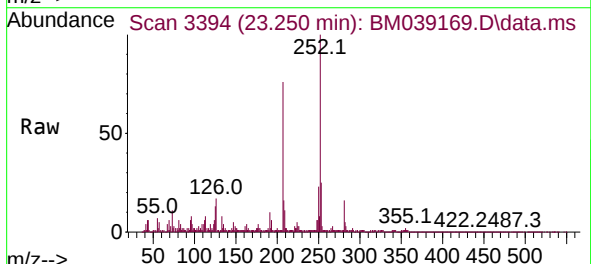
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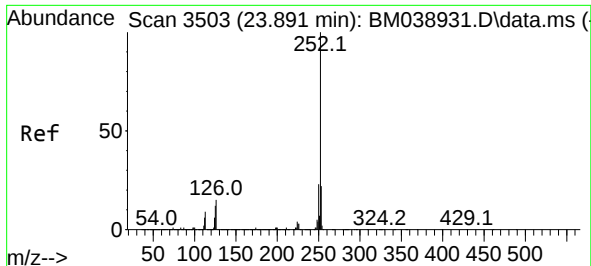
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#89
Benzo(k)fluoranthene
Concen: 5.489 ng m
RT: 23.250 min Scan# 3394
Delta R.T. -0.000 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

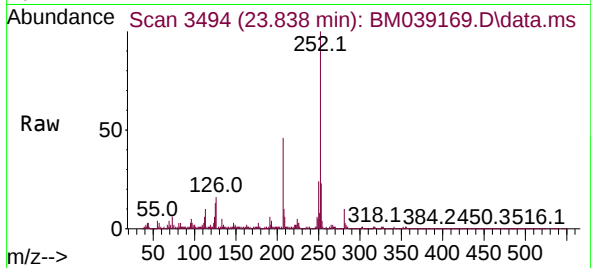
Tgt Ion:252 Resp: 592722
Ion Ratio Lower Upper
252 100
253 24.6 17.5 26.3
125 13.1 8.9 13.3





#90
Benzo(a)pyrene
Concen: 13.230 ng
RT: 23.838 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

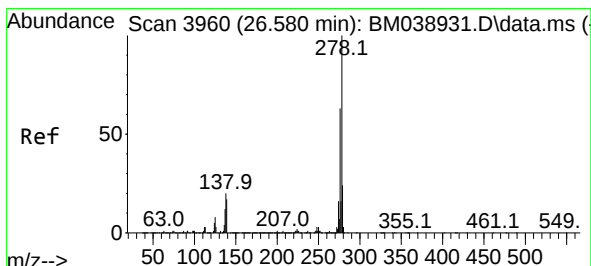
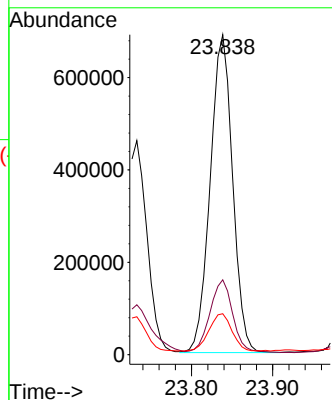
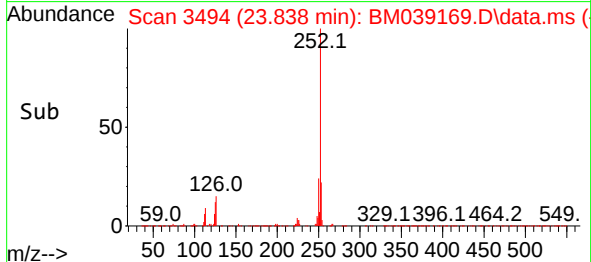
Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP2DL



Tgt Ion:252 Resp: 1321276
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 12.8 9.8 14.8

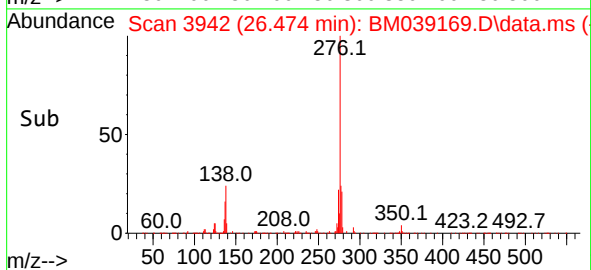
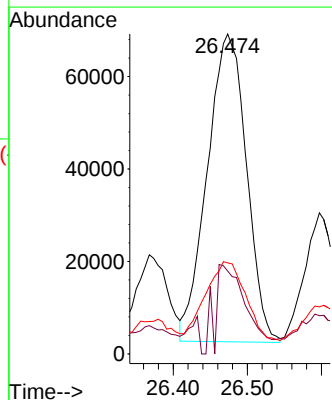
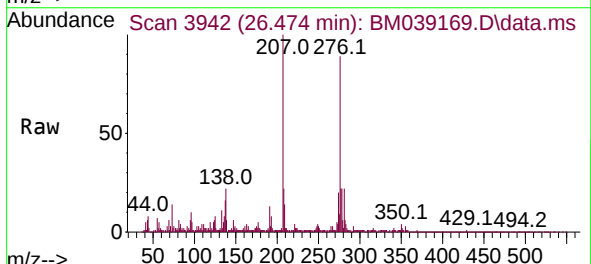
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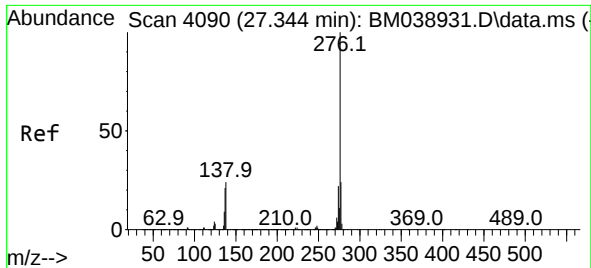
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#91
Dibenzo(a,h)anthracene
Concen: 2.337 ng
RT: 26.474 min Scan# 3942
Delta R.T. -0.006 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

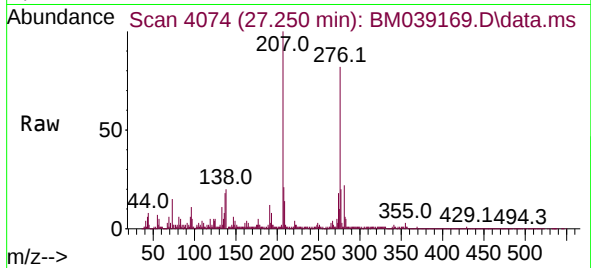
Tgt Ion:278 Resp: 244611
Ion Ratio Lower Upper
278 100
139 25.9 13.7 20.5#
279 28.4 18.9 28.3#





#92
Benzo(g,h,i)perylene
Concen: 8.305 ng
RT: 27.250 min Scan# 4090
Delta R.T. 0.006 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP2DL



Tgt Ion:276 Resp: 850417
Ion Ratio Lower Upper
276 100
277 24.2 19.3 28.9
138 24.0 19.0 28.6

Manual Integrations
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Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023

