

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032023\
 Data File : BM039063.D
 Acq On : 21 Mar 2023 02:49
 Operator : CG/JU
 Sample : 01974-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SHELL-ROAD-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/21/2023
 Supervised By : Jagrut Upadhyay 03/21/2023

Quant Time: Mar 21 03:59:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 17 05:25:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	344254	20.000	ng	0.00
21) Naphthalene-d8	10.780	136	1397699	20.000	ng	-0.01
39) Acenaphthene-d10	14.610	164	797641	20.000	ng	0.00
64) Phenanthrene-d10	17.356	188	1624239	20.000	ng	0.00
76) Chrysene-d12	21.533	240	1485503	20.000	ng	0.00
86) Perylene-d12	23.974	264	1684361	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1902896	83.980	ng	0.00
7) Phenol-d6	7.128	99	2589726	87.991	ng	0.00
23) Nitrobenzene-d5	9.139	82	1555255	54.658	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	612555	66.384	ng	0.00
45) 2-Fluorobiphenyl	13.239	172	3197431	52.184	ng	0.00
79) Terphenyl-d14	19.974	244	4561108	56.137	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.333	152	192883	2.376	ng	98
71) Phenanthrene	17.398	178	1217955	12.776	ng	99
72) Anthracene	17.486	178	343074	3.609	ng	99
74) Di-n-butylphthalate	18.321	149	22293	2.001	ng	# 90
75) Fluoranthene	19.409	202	2213562	21.992	ng	99
78) Pyrene	19.774	202	2206960	19.780	ng	99
81) Benzo(a)anthracene	21.515	228	1137037	10.629	ng	97
83) Chrysene	21.574	228	1180419	11.345	ng	98
84) Bis(2-ethylhexyl)phtha...	21.444	149	99540	3.861	ng	# 99
87) Indeno(1,2,3-cd)pyrene	26.503	276	847335	6.611	ng	96
88) Benzo(b)fluoranthene	23.227	252	1672372	15.541	ng	# 93
89) Benzo(k)fluoranthene	23.274	252	473500m	4.228	ng	
90) Benzo(a)pyrene	23.862	252	1145219	11.058	ng	# 95
92) Benzo(g,h,i)perylene	27.291	276	887720	8.359	ng	98

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

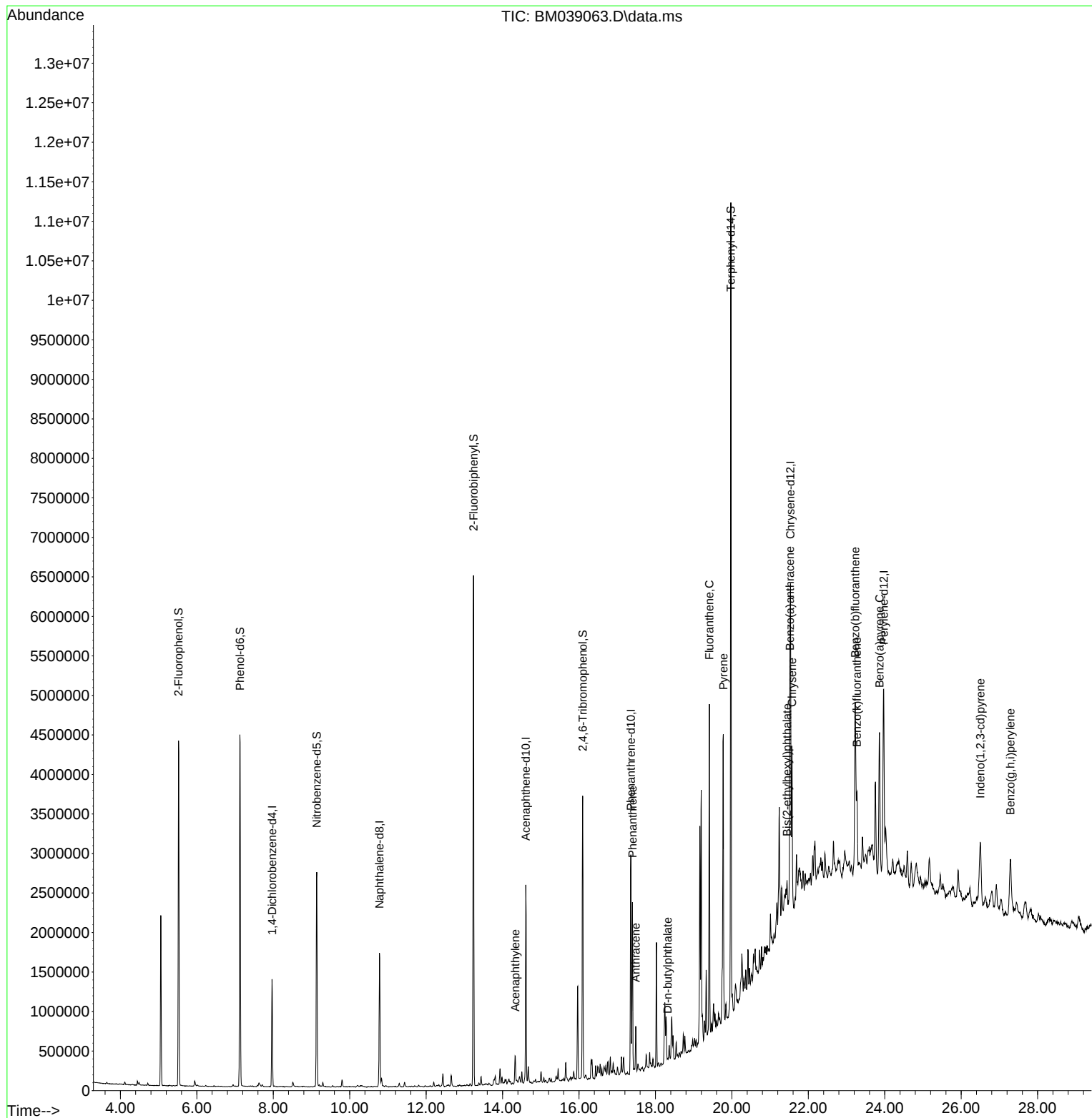
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032023\
Data File : BM039063.D
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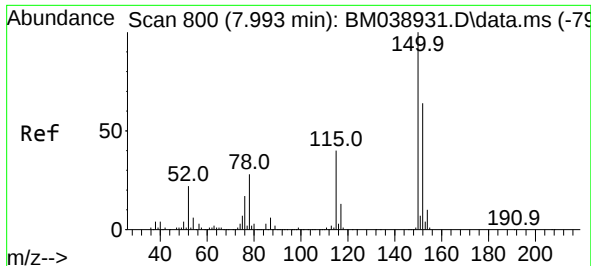
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
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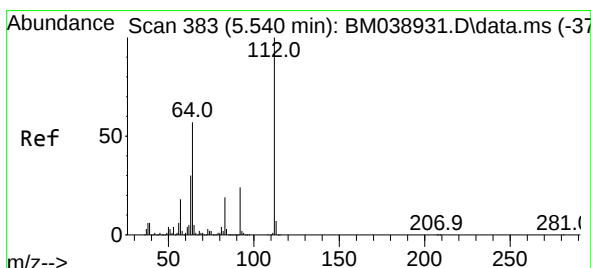
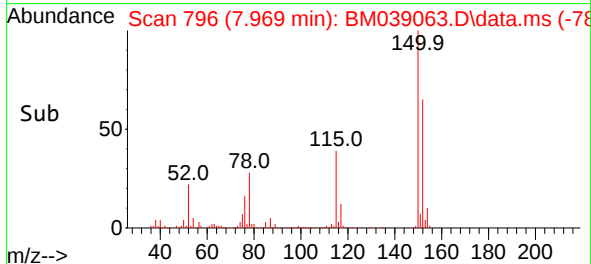
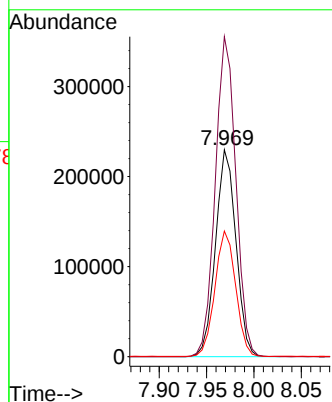
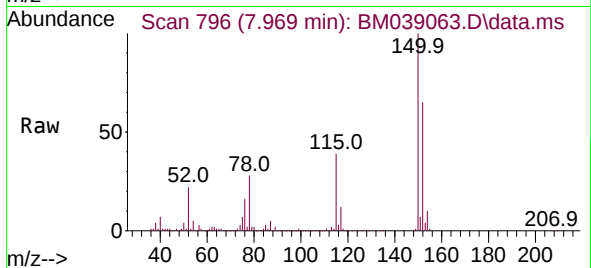
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 79
Delta R.T. -0.006 min
Lab File: BM039063.D
Acq: 21 Mar 2023 02:49

Instrument :
BNA_M
ClientSampleId :
SHELL-ROAD-1

Tgt Ion:152 Resp: 344254
Ion Ratio Lower Upper
152 100
150 154.7 125.1 187.7
115 60.7 49.6 74.4

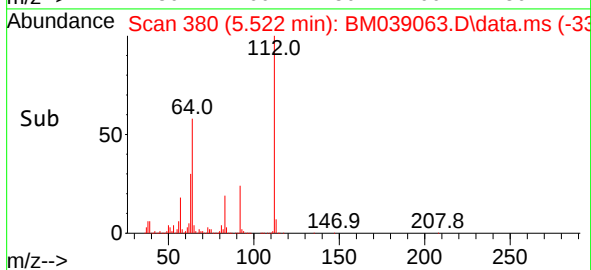
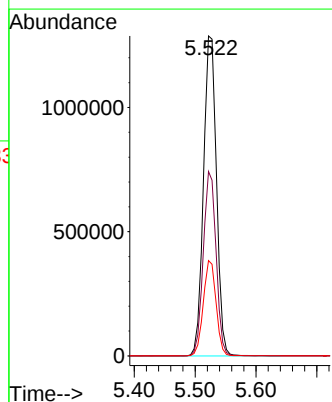
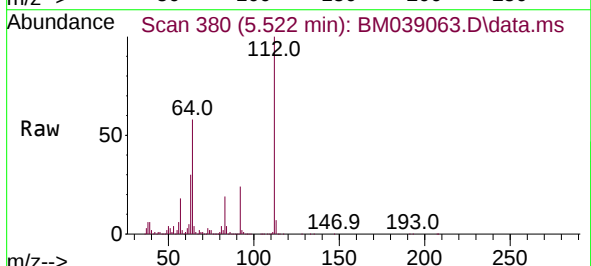
Manual Integrations
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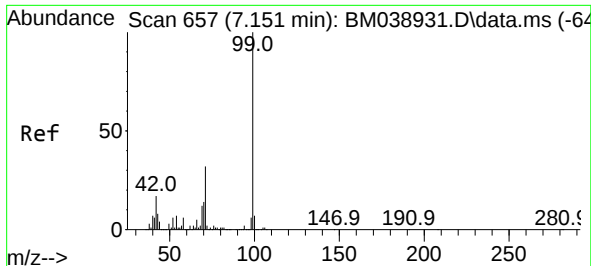
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#5
2-Fluorophenol
Concen: 83.980 ng
RT: 5.522 min Scan# 380
Delta R.T. -0.006 min
Lab File: BM039063.D
Acq: 21 Mar 2023 02:49

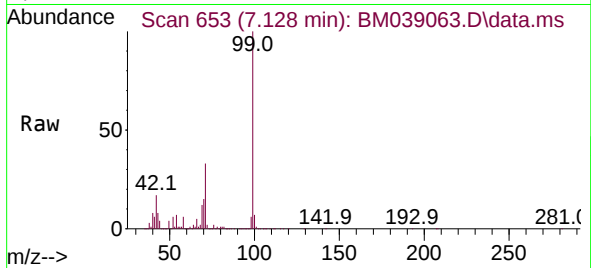
Tgt Ion:112 Resp: 1902896
Ion Ratio Lower Upper
112 100
64 57.6 45.9 68.9
63 29.8 23.8 35.8





#7
Phenol-d6
Concen: 87.991 ng
RT: 7.128 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM039063.D
Acq: 21 Mar 2023 02:49

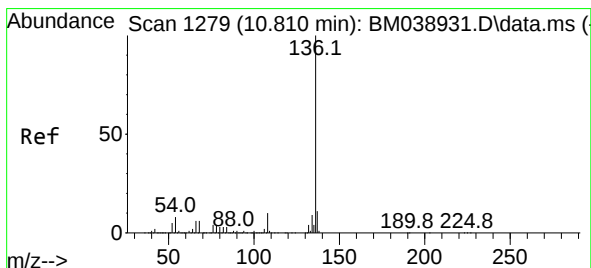
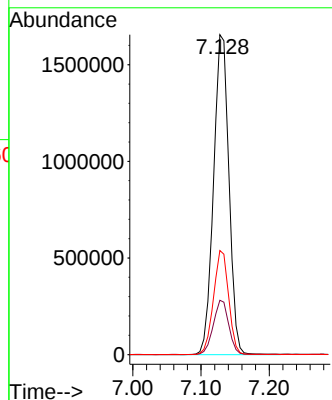
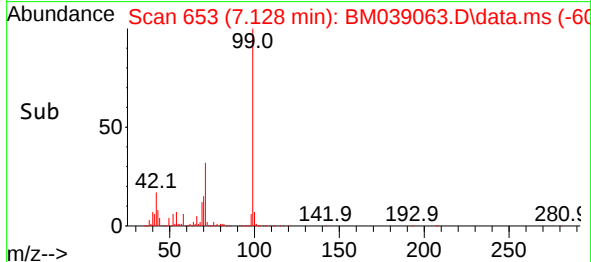
Instrument :
BNA_M
ClientSampleId :
SHELL-ROAD-1



Tgt Ion: 99 Resp: 2589726
Ion Ratio Lower Upper
99 100
42 17.0 13.5 20.3
71 32.5 25.6 38.4

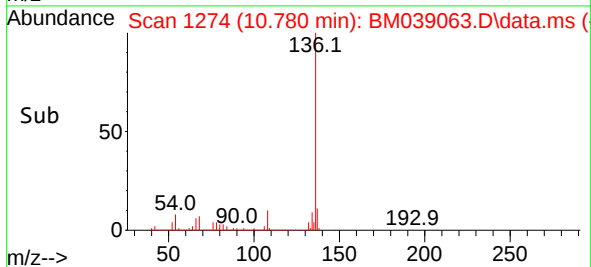
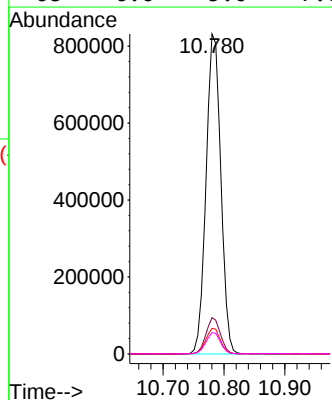
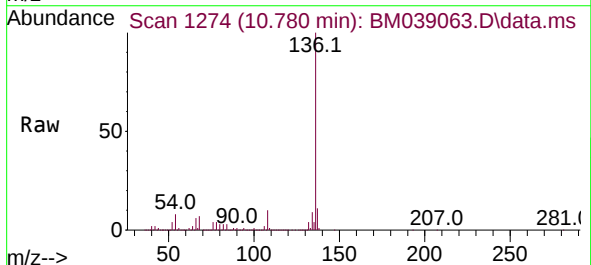
Manual Integrations
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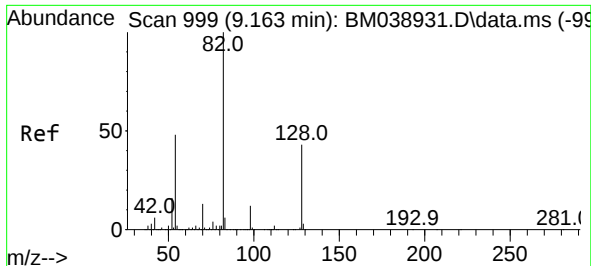
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.780 min Scan# 1274
Delta R.T. -0.012 min
Lab File: BM039063.D
Acq: 21 Mar 2023 02:49

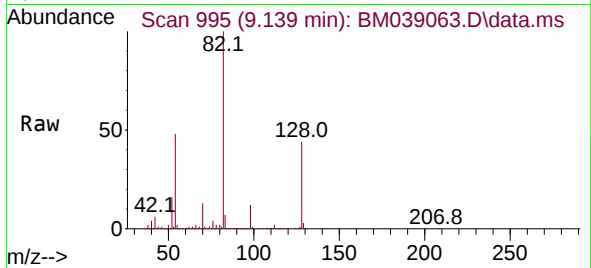
Tgt Ion:136 Resp: 1397699
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 8.0 6.3 9.5
68 6.6 5.0 7.6





#23
Nitrobenzene-d5
Concen: 54.658 ng
RT: 9.139 min Scan# 995
Delta R.T. -0.006 min
Lab File: BM039063.D
Acq: 21 Mar 2023 02:49

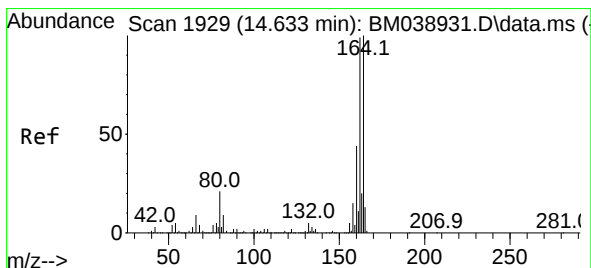
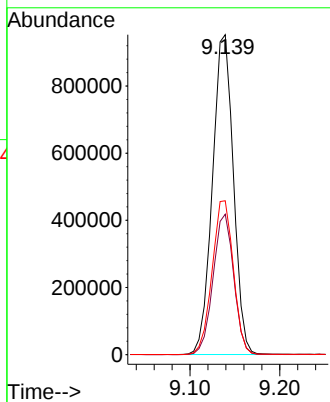
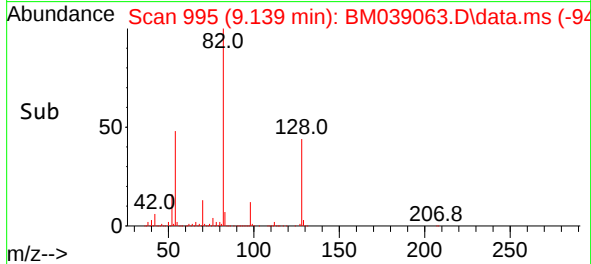
Instrument :
BNA_M
ClientSampleId :
SHELL-ROAD-1



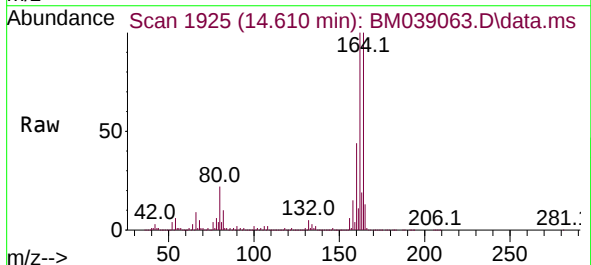
Tgt Ion: 82 Resp: 155525
Ion Ratio Lower Upper
82 100
128 43.9 34.4 51.6
54 48.1 38.8 58.2

Manual Integrations
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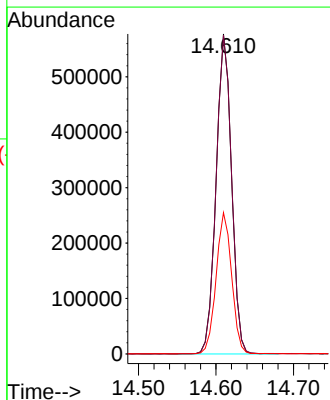
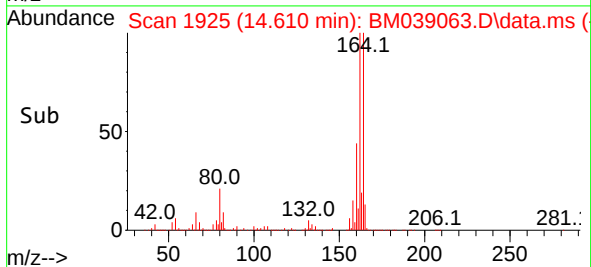
Reviewed By :Christian Giraldo 03/21/2023
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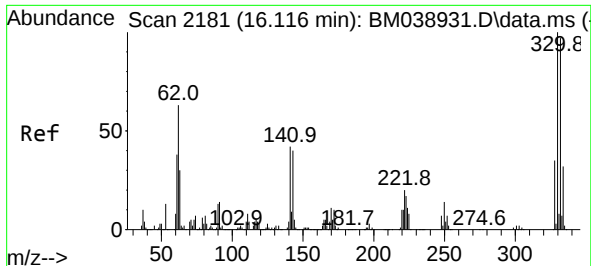


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1925
Delta R.T. -0.006 min
Lab File: BM039063.D
Acq: 21 Mar 2023 02:49



Tgt Ion:164 Resp: 797641
Ion Ratio Lower Upper
164 100
162 99.6 79.2 118.8
160 44.1 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 66.384 ng
RT: 16.098 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039063.D
Acq: 21 Mar 2023 02:49

Instrument :

BNA_M

ClientSampleId :

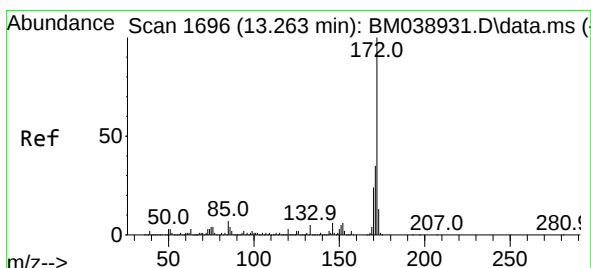
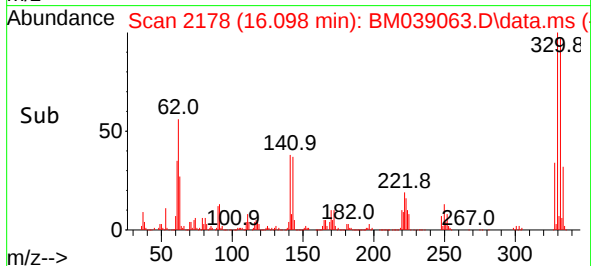
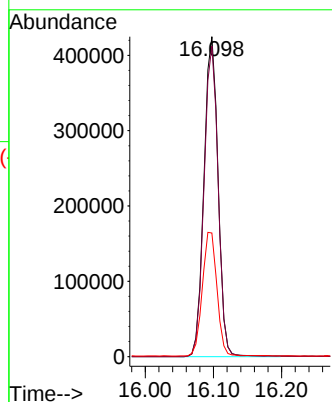
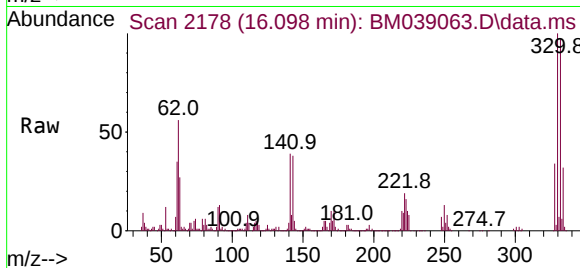
SHELL-ROAD-1

Tgt Ion:330 Resp: 61255
Ion Ratio Lower Upper
330 100
332 96.8 77.4 116.0
141 39.8 32.2 48.4

Manual Integrations

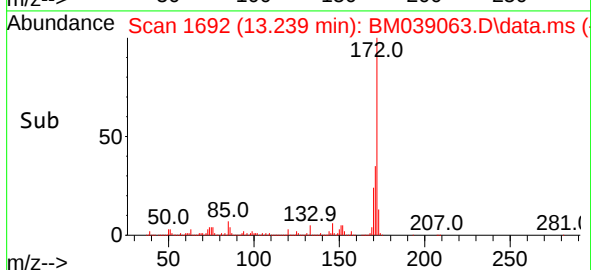
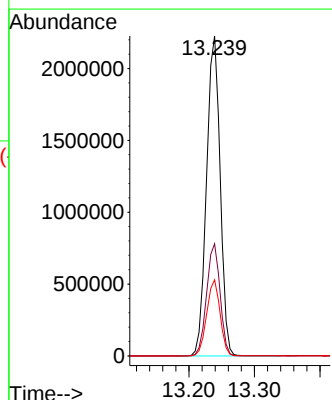
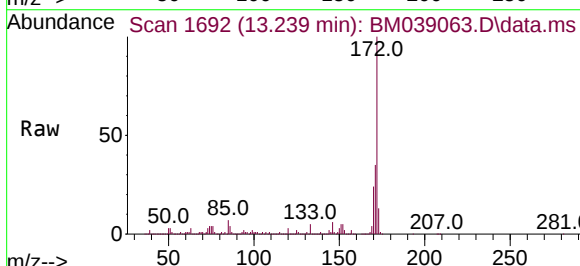
APPROVED

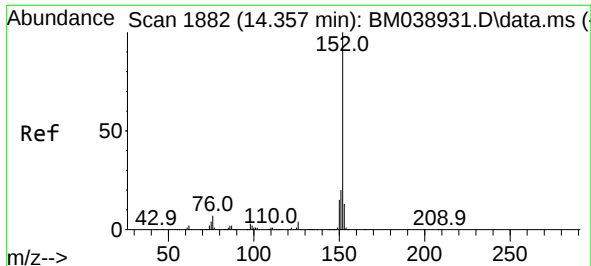
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#45
2-Fluorobiphenyl
Concen: 52.184 ng
RT: 13.239 min Scan# 1692
Delta R.T. -0.006 min
Lab File: BM039063.D
Acq: 21 Mar 2023 02:49

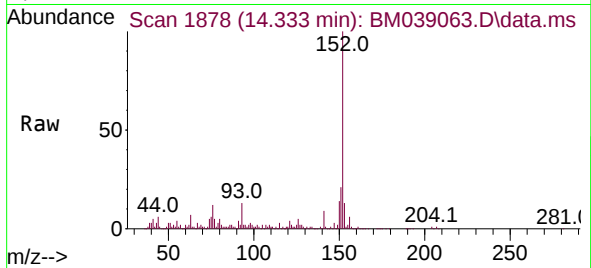
Tgt Ion:172 Resp: 3197431
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.2
170 23.8 19.1 28.7





#49
Acenaphthylene
Concen: 2.376 ng
RT: 14.333 min Scan# 1882
Delta R.T. -0.006 min
Lab File: BM039063.D
Acq: 21 Mar 2023 02:49

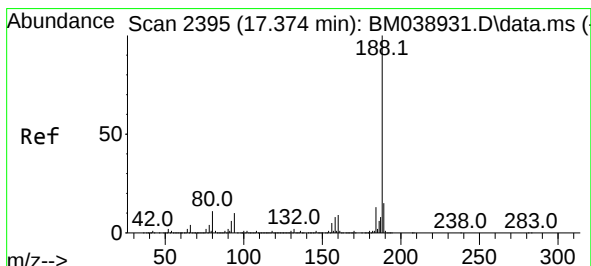
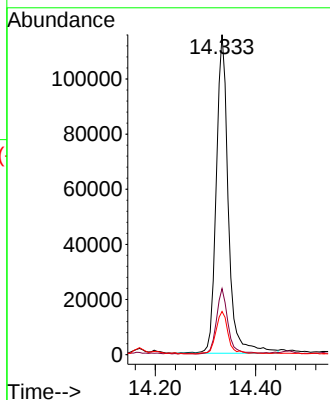
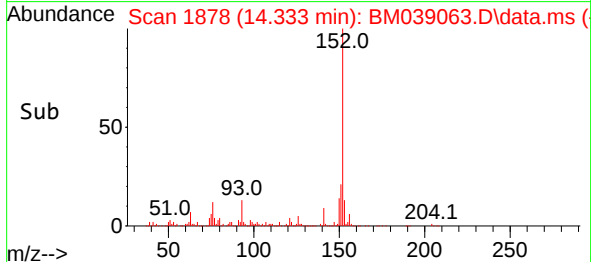
Instrument :
BNA_M
ClientSampleId :
SHELL-ROAD-1



Tgt Ion:152 Resp: 192883
Ion Ratio Lower Upper
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151 20.6 15.8 23.8
153 13.5 10.4 15.6

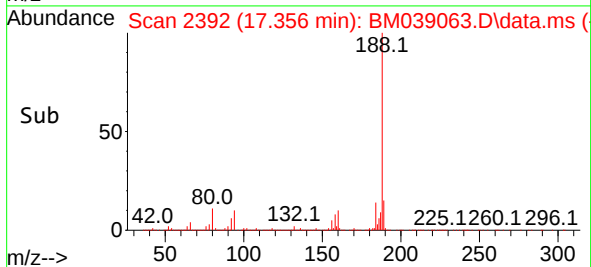
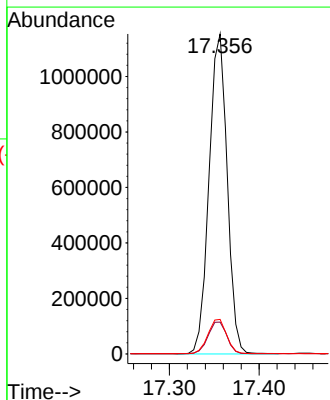
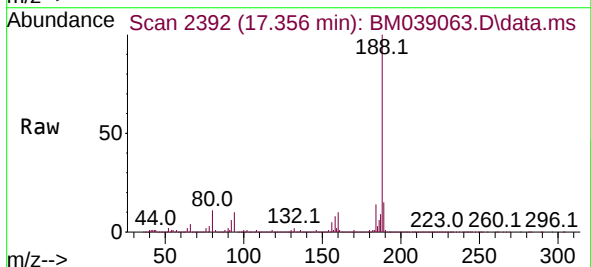
Manual Integrations
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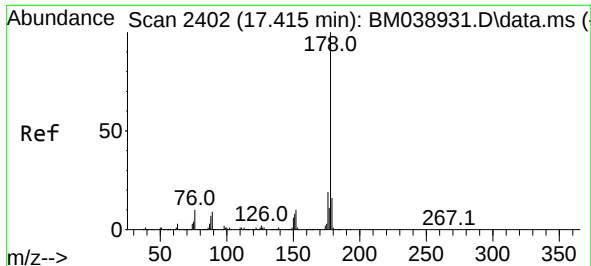
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.356 min Scan# 2392
Delta R.T. -0.006 min
Lab File: BM039063.D
Acq: 21 Mar 2023 02:49

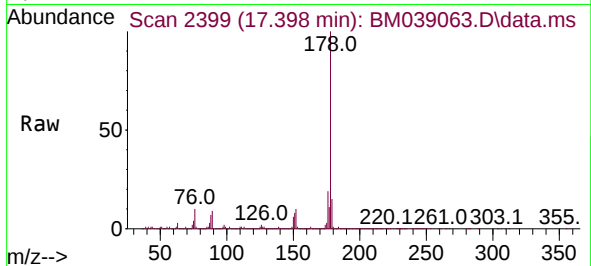
Tgt Ion:188 Resp: 1624239
Ion Ratio Lower Upper
188 100
94 9.9 7.9 11.9
80 10.8 8.5 12.7





#71
Phenanthrene
Concen: 12.776 ng
RT: 17.398 min Scan# 2402
Delta R.T. -0.006 min
Lab File: BM039063.D
Acq: 21 Mar 2023 02:49

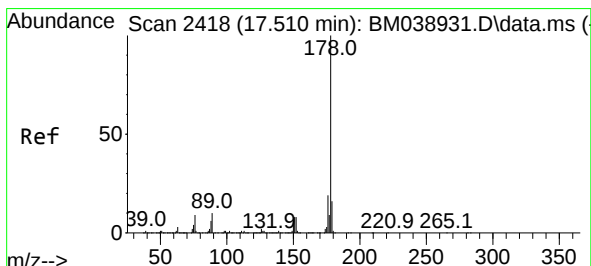
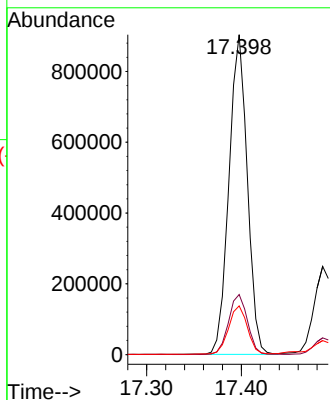
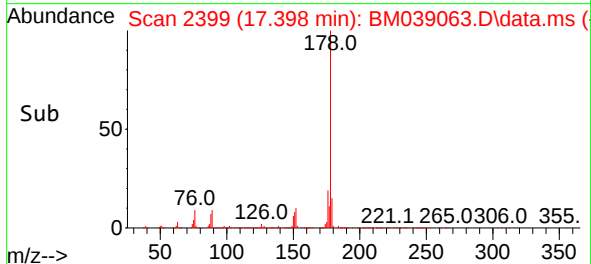
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SHELL-ROAD-1



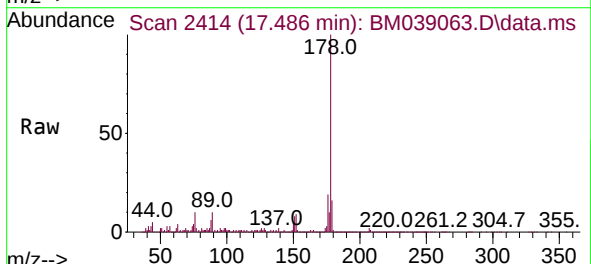
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Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 15.2 12.5 18.7

Manual Integrations
APPROVED

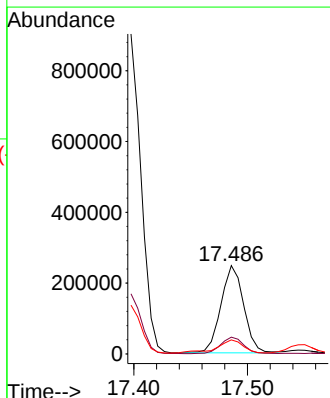
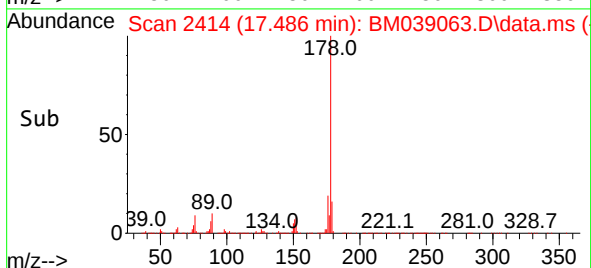
Reviewed By :Christian Giraldo 03/21/2023
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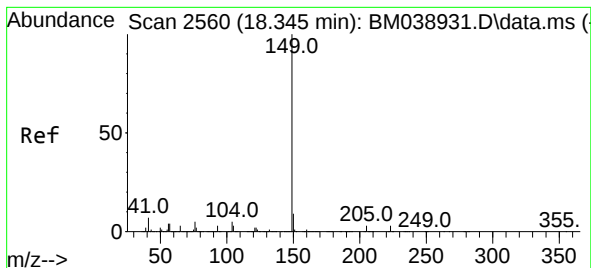


#72
Anthracene
Concen: 3.609 ng
RT: 17.486 min Scan# 2414
Delta R.T. -0.006 min
Lab File: BM039063.D
Acq: 21 Mar 2023 02:49



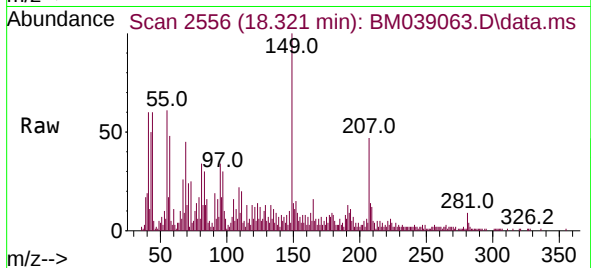
Tgt Ion:178 Resp: 343074
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 16.0 12.5 18.7





#74
Di-n-butylphthalate
Concen: 2.001 ng
RT: 18.321 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039063.D
Acq: 21 Mar 2023 02:49

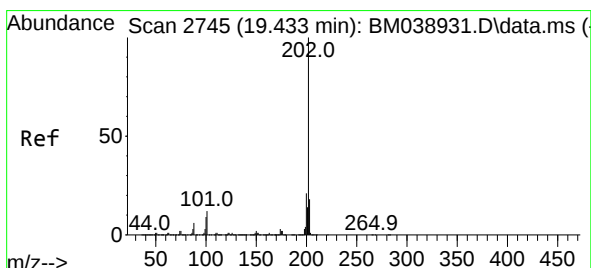
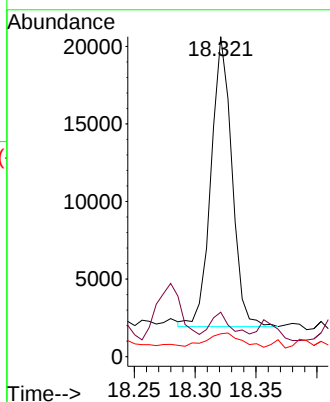
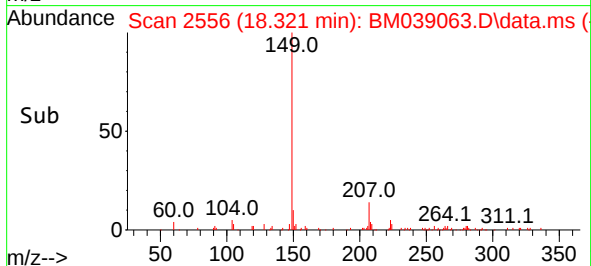
Instrument :
BNA_M
ClientSampleId :
SHELL-ROAD-1



Tgt Ion:149 Resp: 22293
Ion Ratio Lower Upper
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150 13.9 7.4 11.2
104 7.1 4.3 6.5

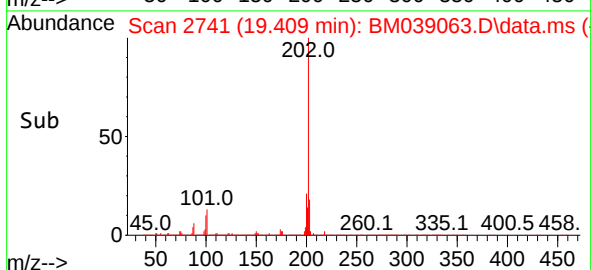
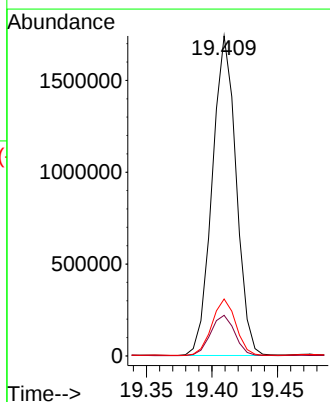
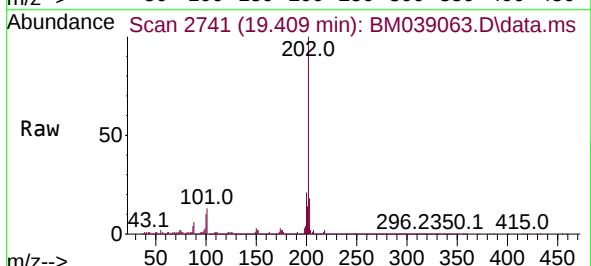
Manual Integrations
APPROVED

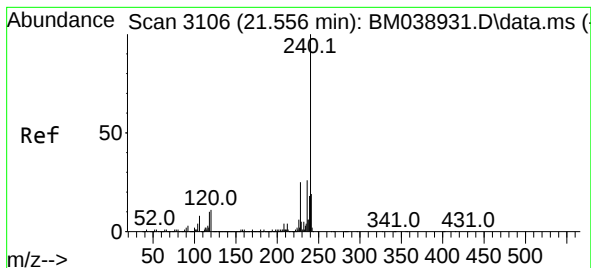
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#75
Fluoranthene
Concen: 21.992 ng
RT: 19.409 min Scan# 2741
Delta R.T. -0.006 min
Lab File: BM039063.D
Acq: 21 Mar 2023 02:49

Tgt Ion:202 Resp: 2213562
Ion Ratio Lower Upper
202 100
101 12.7 0.0 31.7
203 17.8 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.533 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039063.D

Acq: 21 Mar 2023 02:49

Instrument :

BNA_M

ClientSampleId :

SHELL-ROAD-1

Tgt Ion:240 Resp: 1485503

Ion Ratio Lower Upper

240 100

120 12.5 9.2 13.8

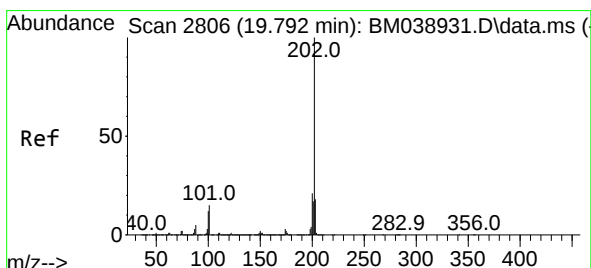
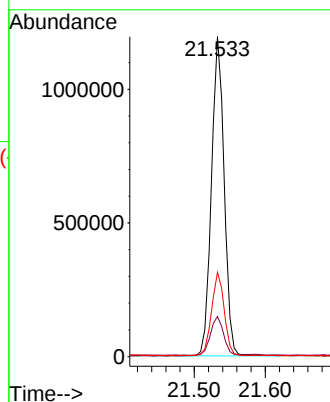
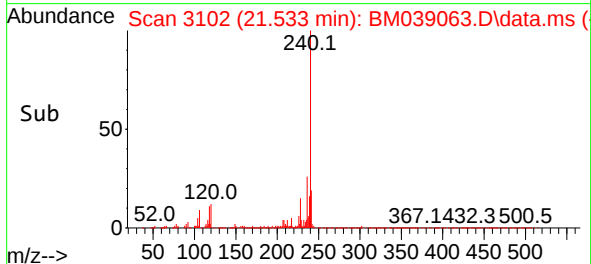
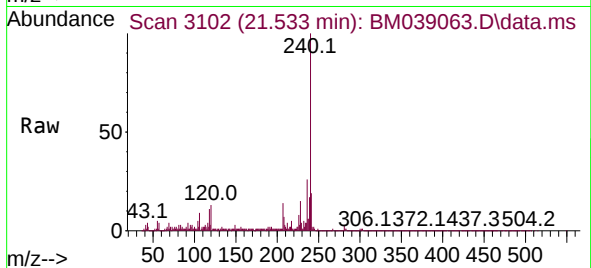
236 26.3 20.8 31.2

Manual Integrations

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Reviewed By :Christian Giraldo 03/21/2023

Supervised By :Jagrut Upadhyay 03/21/2023



#78

Pyrene

Concen: 19.780 ng

RT: 19.774 min Scan# 2803

Delta R.T. -0.006 min

Lab File: BM039063.D

Acq: 21 Mar 2023 02:49

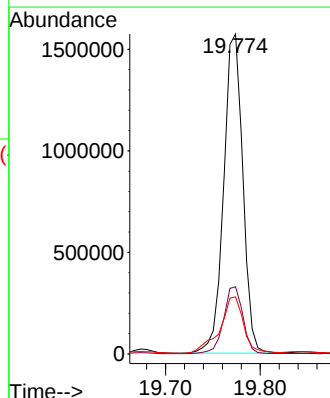
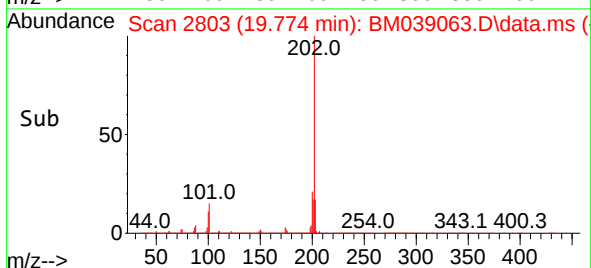
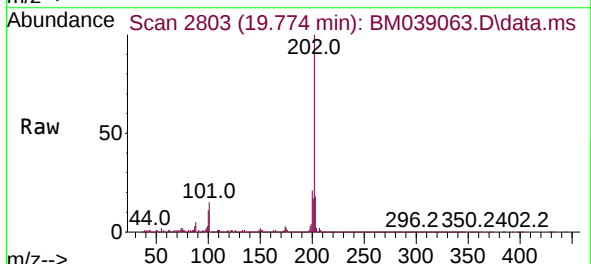
Tgt Ion:202 Resp: 2206960

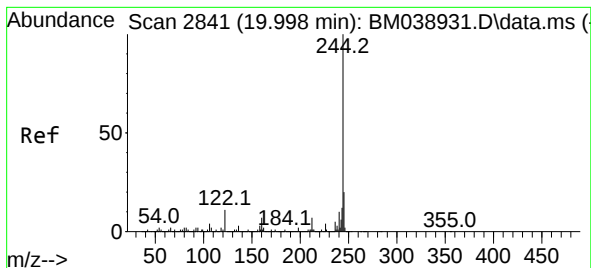
Ion Ratio Lower Upper

202 100

200 21.0 17.1 25.7

203 17.8 14.1 21.1





#79

Terphenyl-d14

Concen: 56.137 ng

RT: 19.974 min Scan# 2841

Delta R.T. -0.006 min

Lab File: BM039063.D

Acq: 21 Mar 2023 02:49

Instrument :

BNA_M

ClientSampleId :

SHELL-ROAD-1

Tgt Ion:244 Resp: 4561108

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

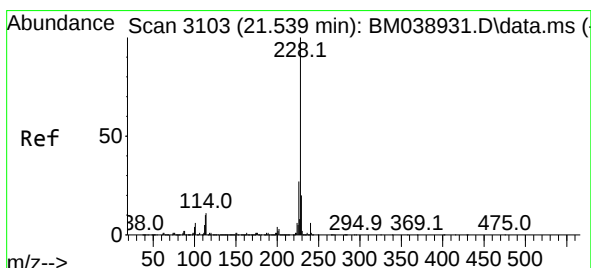
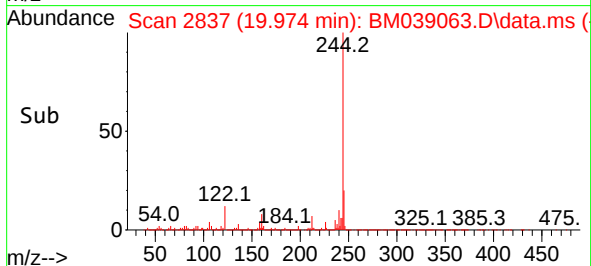
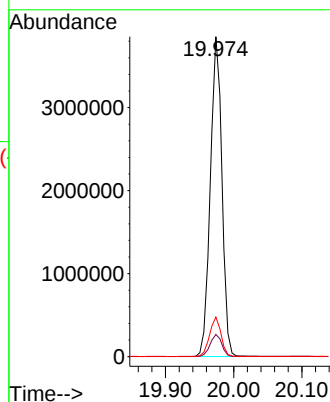
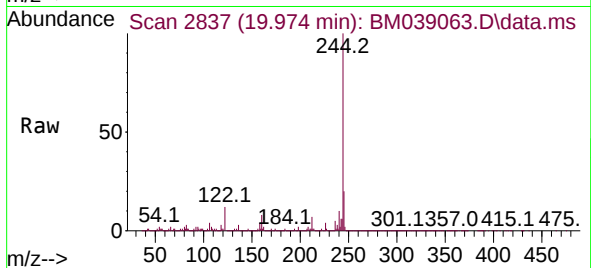
122 12.4 9.0 13.4

Manual Integrations

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Reviewed By :Christian Giraldo 03/21/2023

Supervised By :Jagrut Upadhyay 03/21/2023



#81

Benzo(a)anthracene

Concen: 10.629 ng

RT: 21.515 min Scan# 3099

Delta R.T. -0.012 min

Lab File: BM039063.D

Acq: 21 Mar 2023 02:49

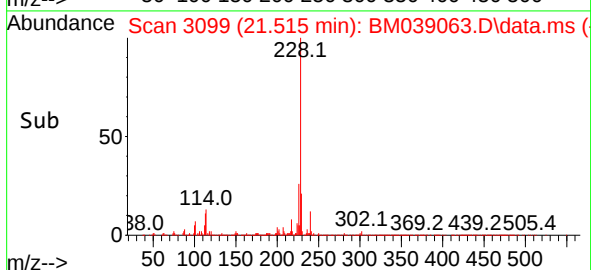
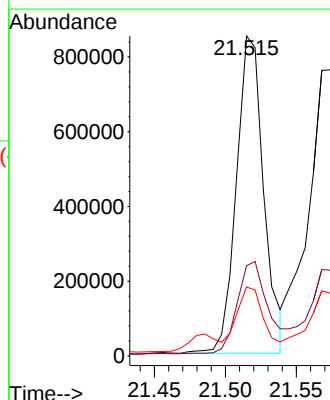
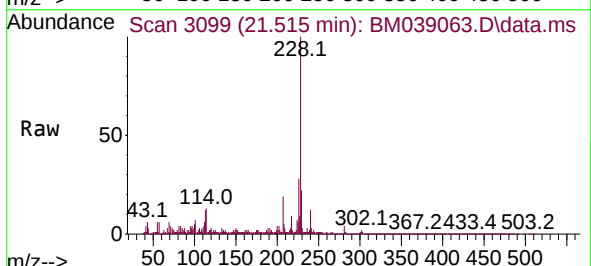
Tgt Ion:228 Resp: 1137037

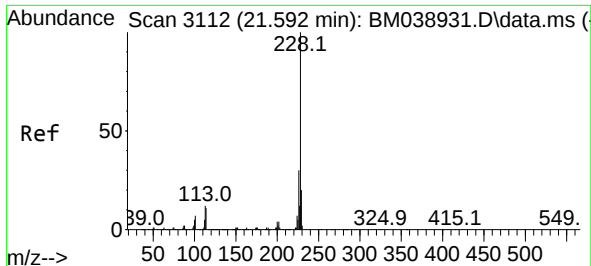
Ion Ratio Lower Upper

228 100

226 28.2 21.4 32.2

229 21.5 15.7 23.5





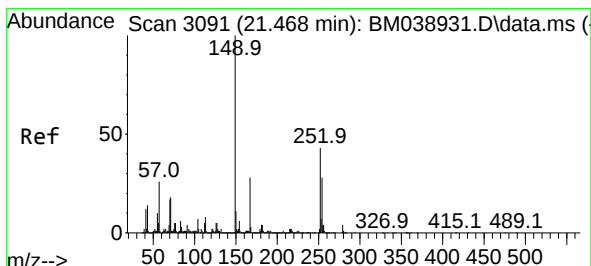
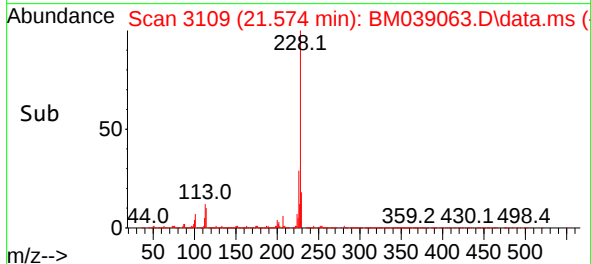
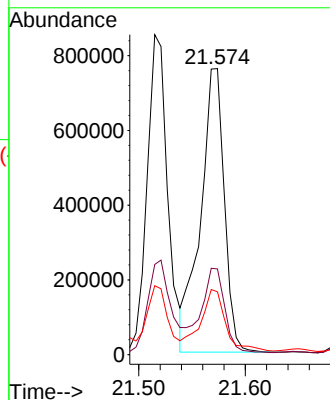
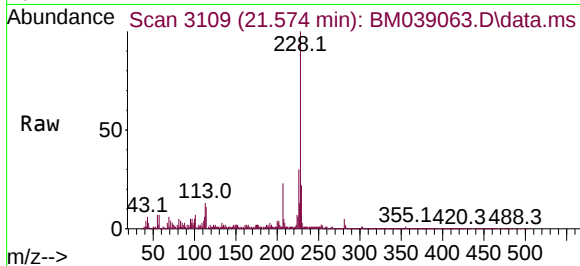
#83
Chrysene
Concen: 11.345 ng
RT: 21.574 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM039063.D
Acq: 21 Mar 2023 02:49

Instrument :
BNA_M
ClientSampleId :
SHELL-ROAD-1

Tgt Ion:228 Resp: 1180419
Ion Ratio Lower Upper
228 100
226 30.0 24.0 36.0
229 21.9 16.0 24.0

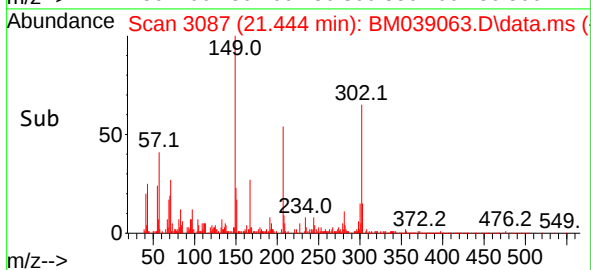
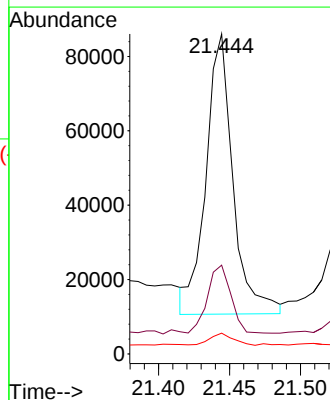
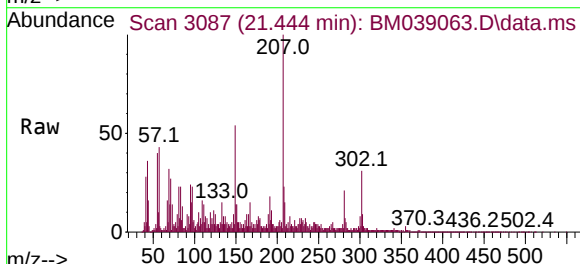
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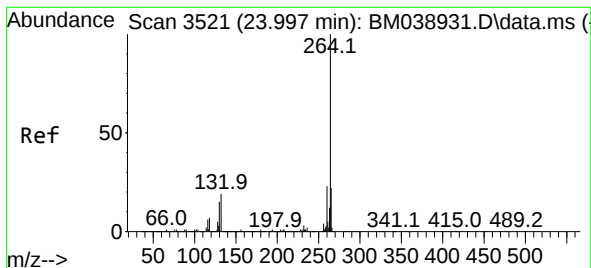
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.861 ng
RT: 21.444 min Scan# 3087
Delta R.T. -0.006 min
Lab File: BM039063.D
Acq: 21 Mar 2023 02:49

Tgt Ion:149 Resp: 99540
Ion Ratio Lower Upper
149 100
167 27.7 22.3 33.5
279 6.5 3.2 4.8#





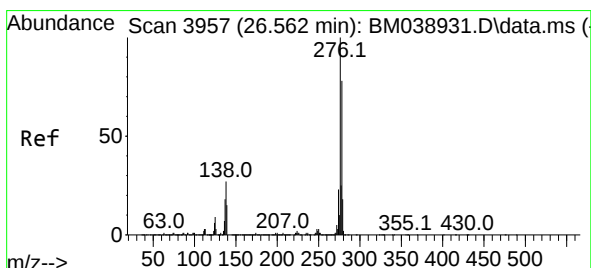
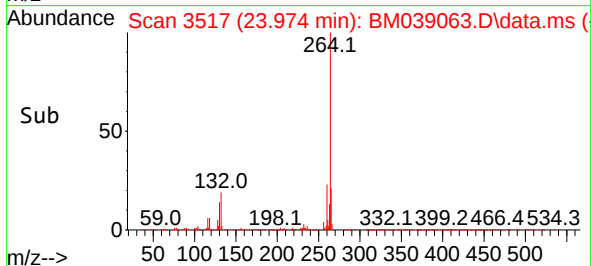
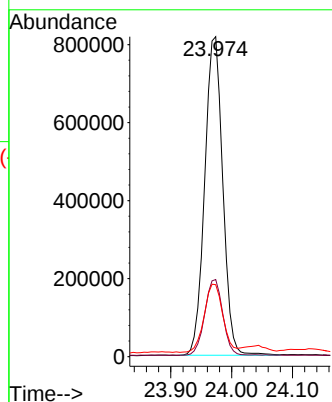
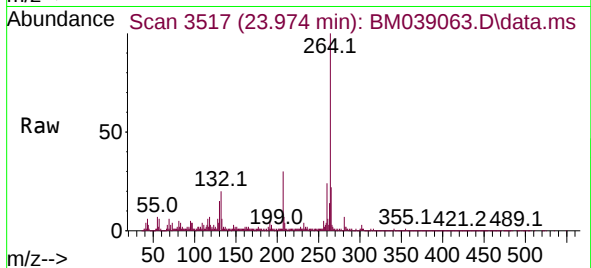
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.974 min Scan# 3517
Delta R.T. -0.006 min
Lab File: BM039063.D
Acq: 21 Mar 2023 02:49

Instrument :
BNA_M
ClientSampleId :
SHELL-ROAD-1

Tgt Ion:264 Resp: 168436
Ion Ratio Lower Upper
264 100
260 24.1 18.7 28.1
265 22.5 17.9 26.9

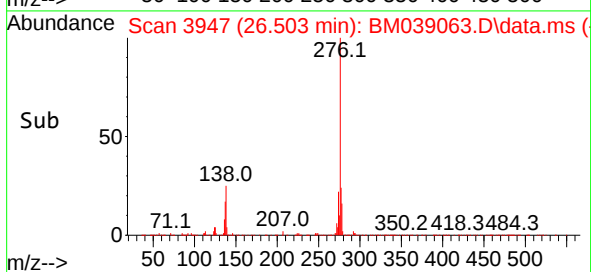
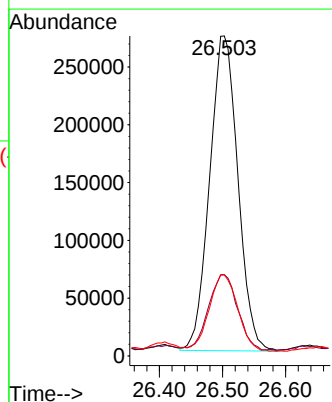
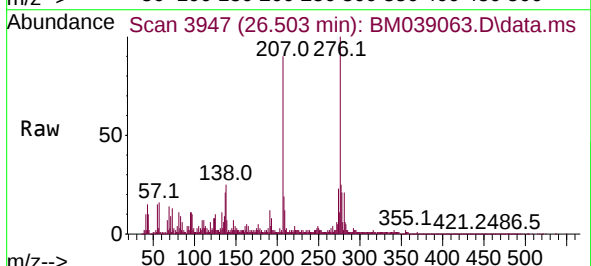
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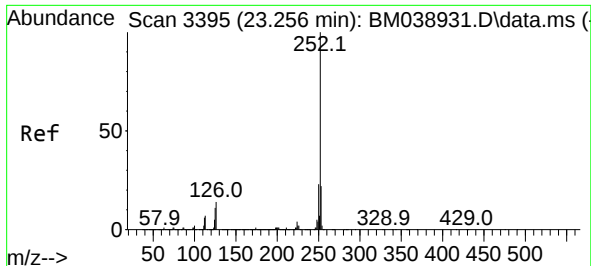
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.611 ng
RT: 26.503 min Scan# 3947
Delta R.T. -0.018 min
Lab File: BM039063.D
Acq: 21 Mar 2023 02:49

Tgt Ion:276 Resp: 847335
Ion Ratio Lower Upper
276 100
138 24.6 22.1 33.1
277 24.5 20.1 30.1





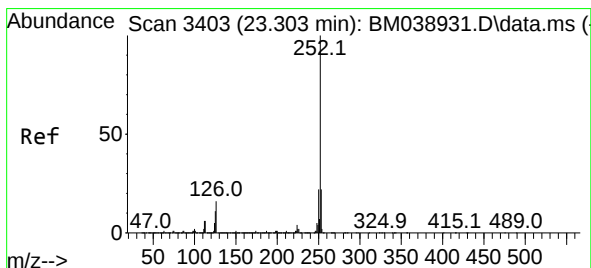
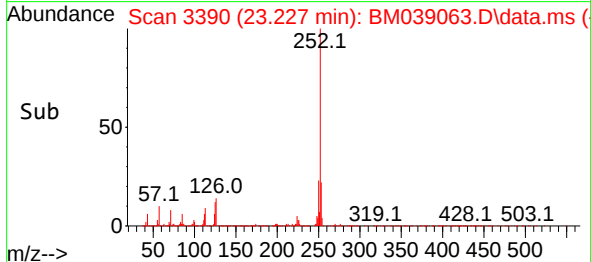
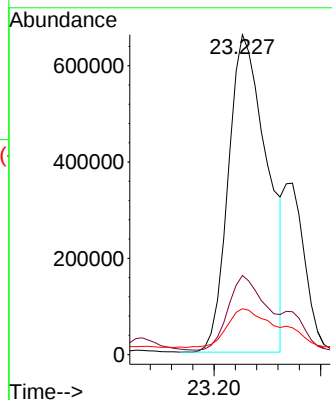
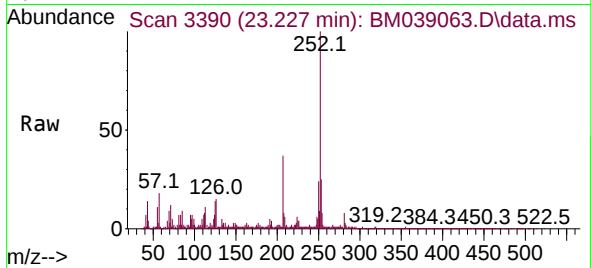
#88
Benzo(b)fluoranthene
Concen: 15.541 ng
RT: 23.227 min Scan# 3395
Delta R.T. -0.012 min
Lab File: BM039063.D
Acq: 21 Mar 2023 02:49

Instrument :
BNA_M
ClientSampleId :
SHELL-ROAD-1

Tgt Ion:252 Resp: 1672372
Ion Ratio Lower Upper
252 100
253 24.7 17.6 26.4
125 14.4 8.8 13.2

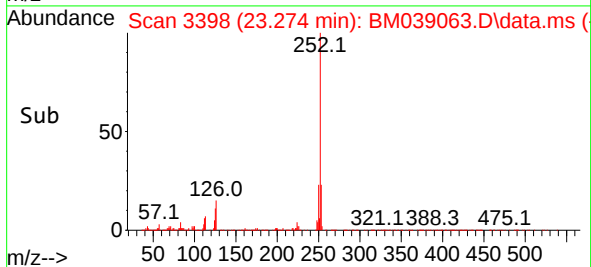
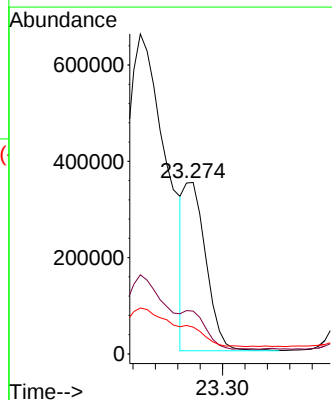
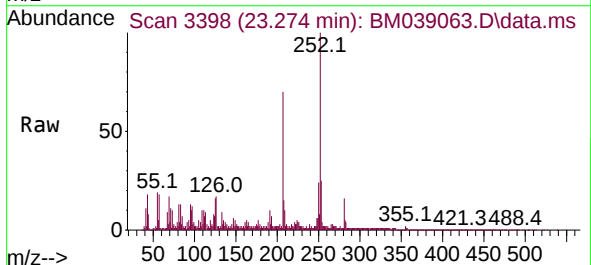
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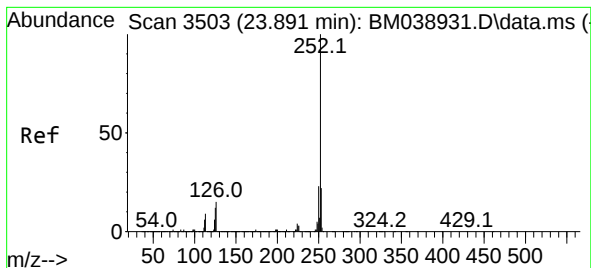
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#89
Benzo(k)fluoranthene
Concen: 4.228 ng m
RT: 23.274 min Scan# 3398
Delta R.T. -0.012 min
Lab File: BM039063.D
Acq: 21 Mar 2023 02:49

Tgt Ion:252 Resp: 473500
Ion Ratio Lower Upper
252 100
253 25.0 17.5 26.3
125 15.7 8.9 13.3





#90

Benzo(a)pyrene

Concen: 11.058 ng

RT: 23.862 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM039063.D

Acq: 21 Mar 2023 02:49

Instrument :

BNA_M

ClientSampleId :

SHELL-ROAD-1

Tgt Ion:252 Resp: 1145219

Ion Ratio Lower Upper

252 100

253 23.5 17.6 26.4

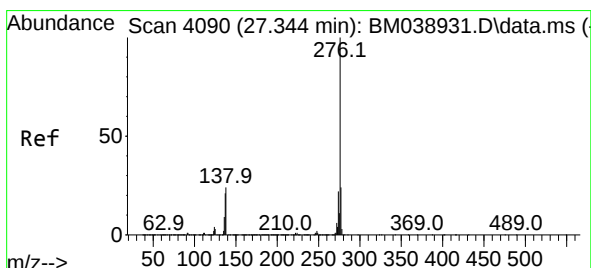
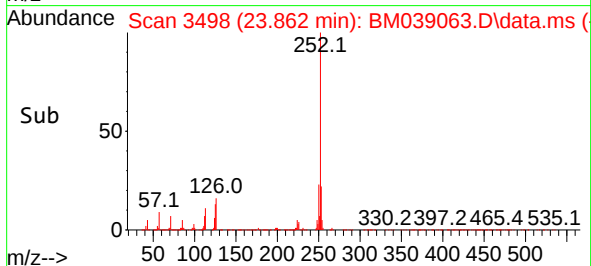
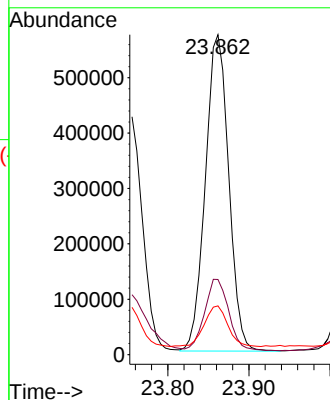
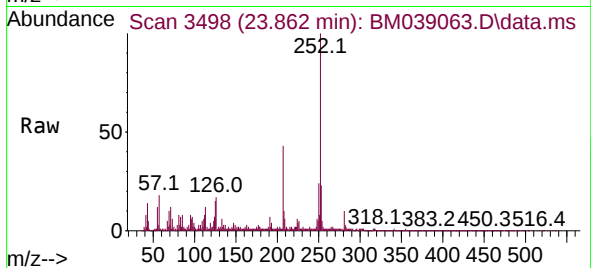
125 15.2 9.8 14.8

Manual Integrations

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Reviewed By :Christian Giraldo 03/21/2023

Supervised By :Jagrut Upadhyay 03/21/2023



#92

Benzo(g,h,i)perylene

Concen: 8.359 ng

RT: 27.291 min Scan# 4081

Delta R.T. -0.012 min

Lab File: BM039063.D

Acq: 21 Mar 2023 02:49

Tgt Ion:276 Resp: 887720

Ion Ratio Lower Upper

276 100

277 24.7 19.3 28.9

138 25.3 19.0 28.6

