

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032123\
 Data File : BM039082.D
 Acq On : 21 Mar 2023 23:22
 Operator : CG/JU
 Sample : 02018-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DAHMER-ROCKY-SOIL

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 03/22/2023
 Supervised By :Jagrut Upadhyay 03/22/2023

Quant Time: Mar 22 03:46:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 03:36:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	467771	20.000	ng	0.00
21) Naphthalene-d8	10.775	136	1796049	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	905766	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1675886	20.000	ng	0.00
76) Chrysene-d12	21.527	240	1498430	20.000	ng	0.00
86) Perylene-d12	23.962	264	1696856	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1129289	36.679	ng	0.00
7) Phenol-d6	7.122	99	1378384	34.467	ng	0.00
23) Nitrobenzene-d5	9.128	82	836757	22.885	ng	-0.01
42) 2,4,6-Tribromophenol	16.092	330	324224	30.943	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	1510833	21.714	ng	0.00
79) Terphenyl-d14	19.968	244	1609498	19.639	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	19.403	202	483883	4.659	ng	99
78) Pyrene	19.762	202	491627	4.368	ng	98
81) Benzo(a)anthracene	21.509	228	287341	2.663	ng	95
83) Chrysene	21.562	228	320562m	3.054	ng	
84) Bis(2-ethylhexyl)phtha...	21.439	149	54075	3.226	ng	# 92
88) Benzo(b)fluoranthene	23.221	252	433712	4.001	ng	# 78
90) Benzo(a)pyrene	23.850	252	296118	2.838	ng	# 88
92) Benzo(g,h,i)perylene	27.279	276	255839	2.391	ng	92

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

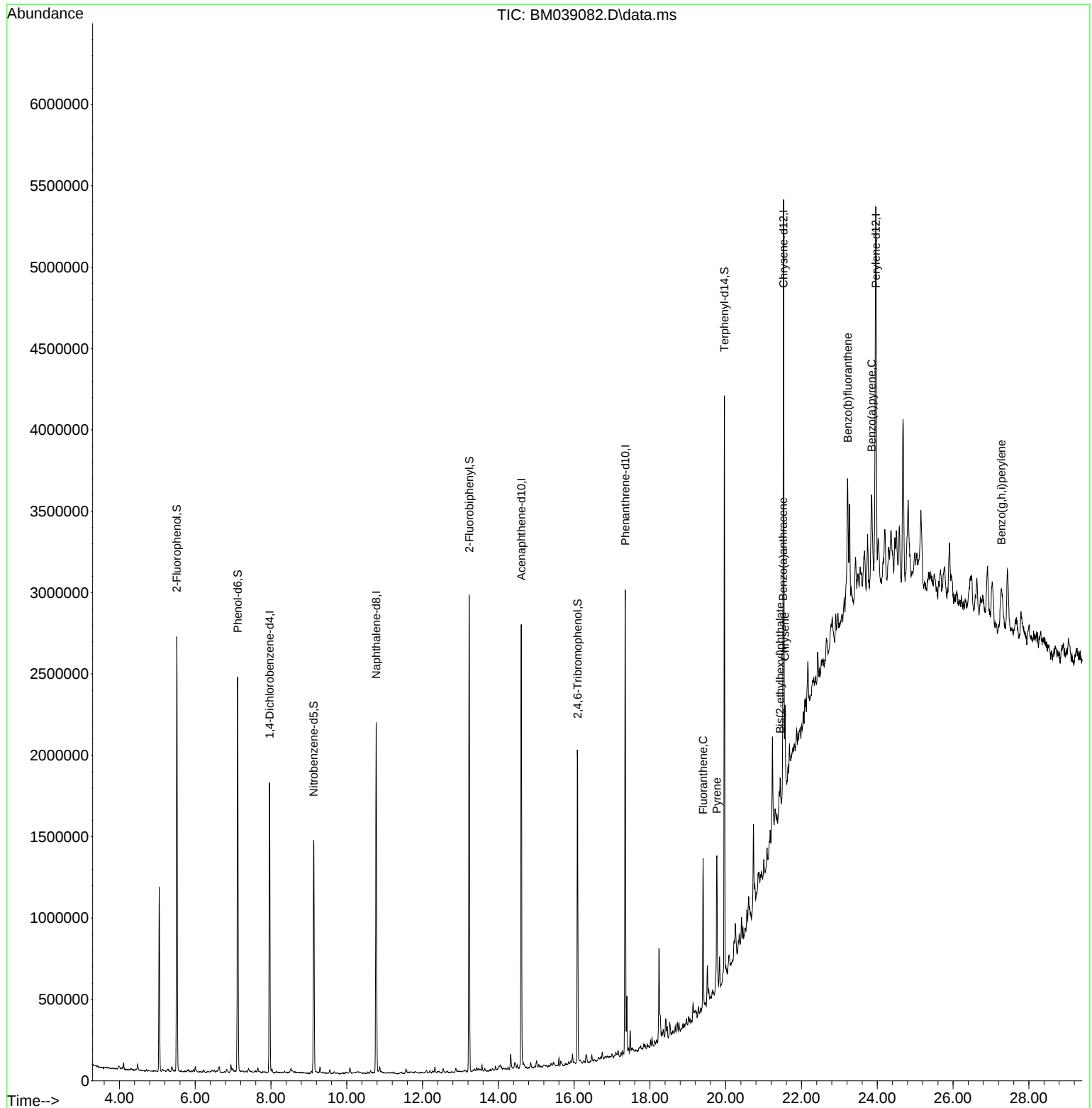
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032123\
Data File : BM039082.D
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ALS Vial : 19 Sample Multiplier: 1

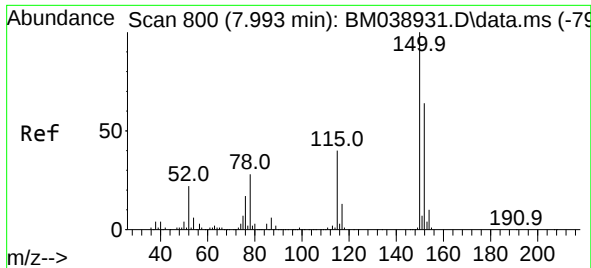
Instrument :
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Quant Time: Mar 22 03:46:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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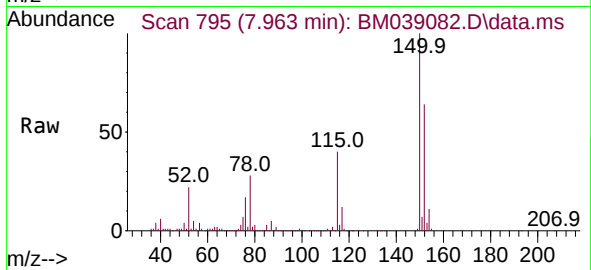
Reviewed By : Christian Giraldo 03/22/2023
Supervised By : Jagrut Upadhyay 03/22/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.963 min Scan# 79
Delta R.T. -0.006 min
Lab File: BM039082.D
Acq: 21 Mar 2023 23:22

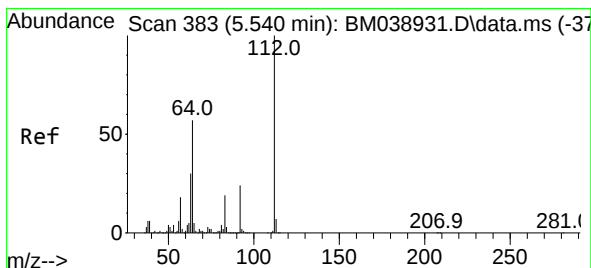
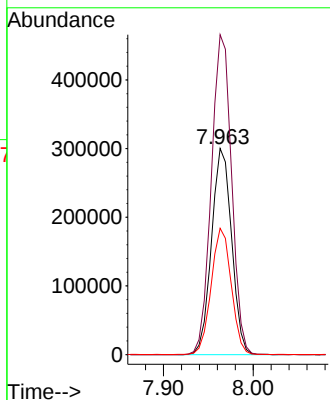
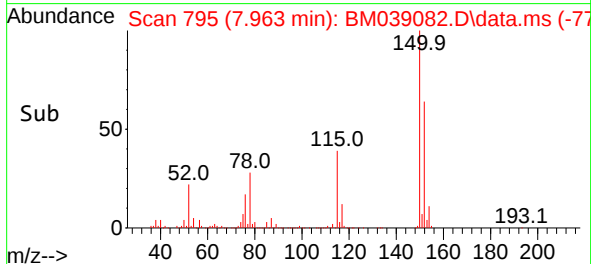
Instrument :
BNA_M
ClientSampleId :
DAHMER-ROCKY-SOIL



Tgt Ion:152 Resp: 46777
Ion Ratio Lower Upper
152 100
150 155.2 125.1 187.7
115 61.3 49.6 74.4

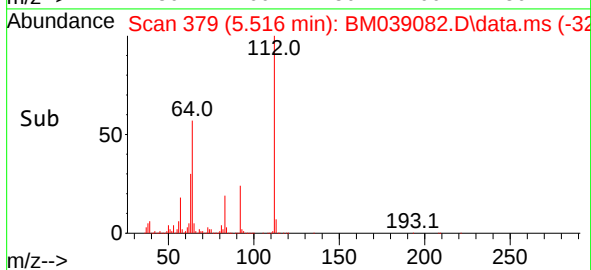
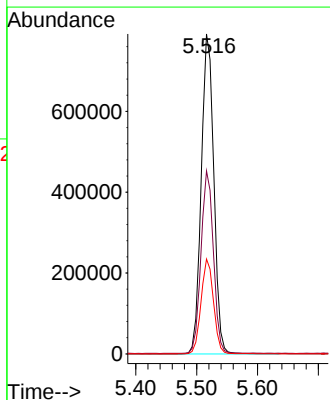
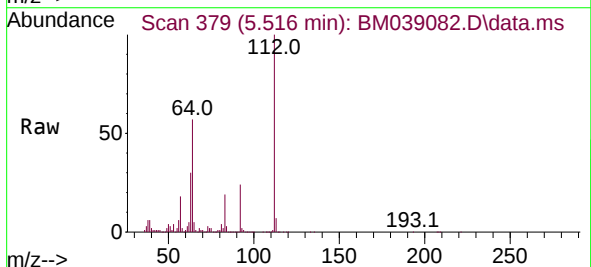
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Supervised By :Jagrut Upadhyay 03/22/2023



#5
2-Fluorophenol
Concen: 36.679 ng
RT: 5.516 min Scan# 379
Delta R.T. -0.006 min
Lab File: BM039082.D
Acq: 21 Mar 2023 23:22

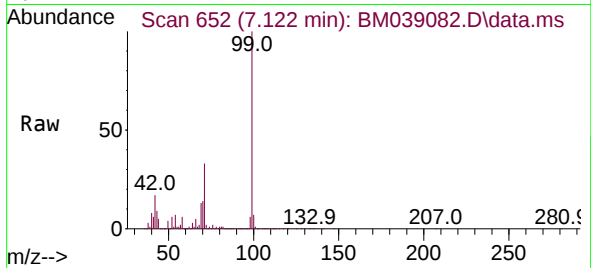
Tgt Ion:112 Resp: 1129289
Ion Ratio Lower Upper
112 100
64 57.2 45.9 68.9
63 29.6 23.8 35.8





#7
Phenol-d6
Concen: 34.467 ng
RT: 7.122 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM039082.D
Acq: 21 Mar 2023 23:22

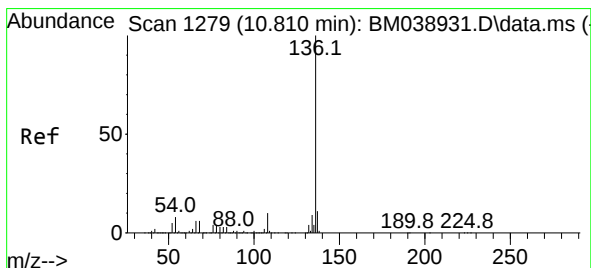
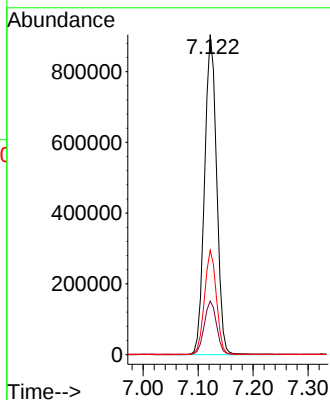
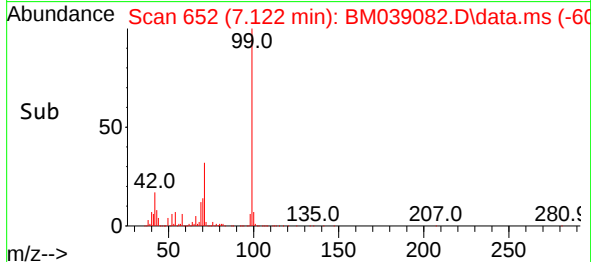
Instrument :
BNA_M
ClientSampleId :
DAHMER-ROCKY-SOIL



Tgt Ion: 99 Resp: 1378384
Ion Ratio Lower Upper
99 100
42 16.7 13.5 20.3
71 32.6 25.6 38.4

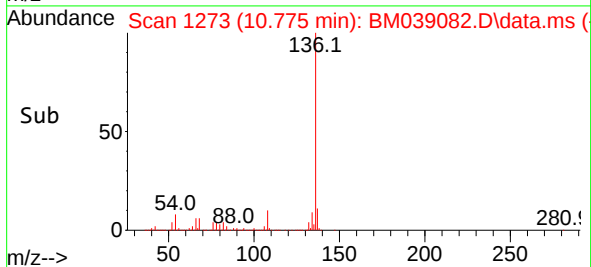
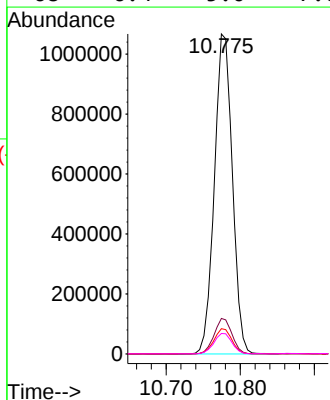
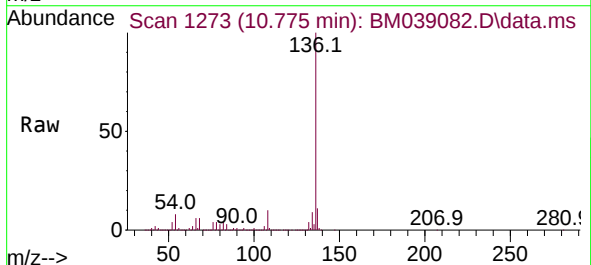
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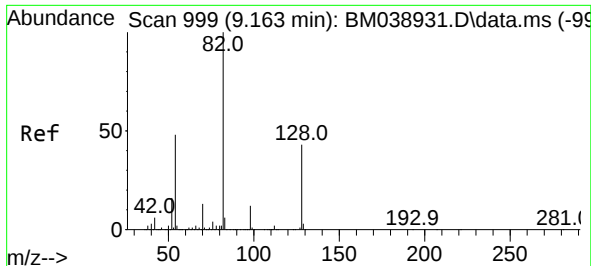
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.775 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BM039082.D
Acq: 21 Mar 2023 23:22

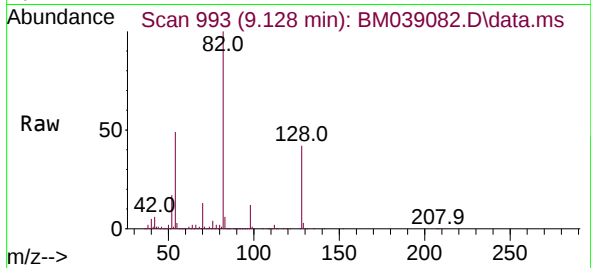
Tgt Ion:136 Resp: 1796049
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 7.9 6.3 9.5
68 6.4 5.0 7.6





#23
Nitrobenzene-d5
Concen: 22.885 ng
RT: 9.128 min Scan# 999
Delta R.T. -0.012 min
Lab File: BM039082.D
Acq: 21 Mar 2023 23:22

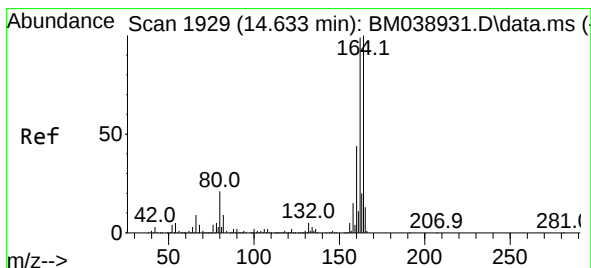
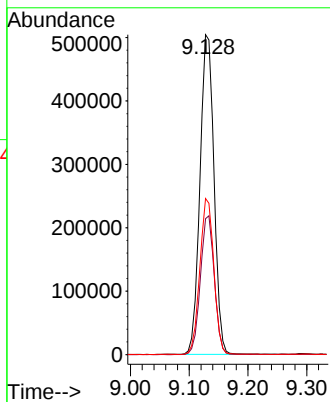
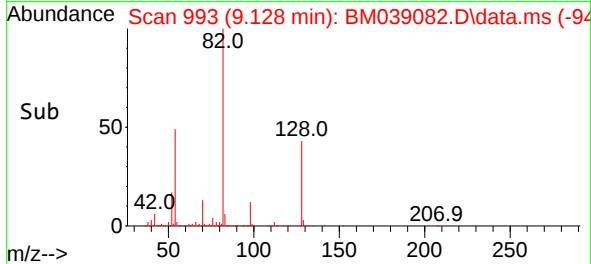
Instrument :
BNA_M
ClientSampleId :
DAHMER-ROCKY-SOIL



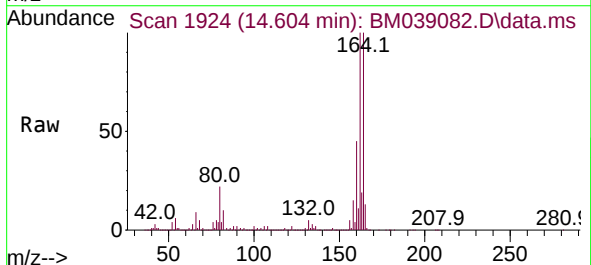
Tgt Ion: 82 Resp: 836752
Ion Ratio Lower Upper
82 100
128 42.5 34.4 51.6
54 48.8 38.8 58.2

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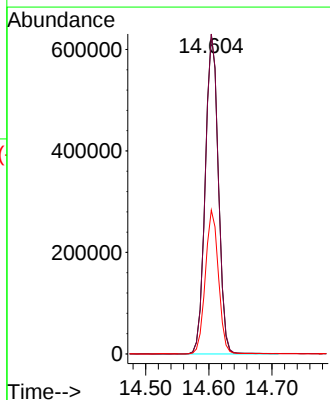
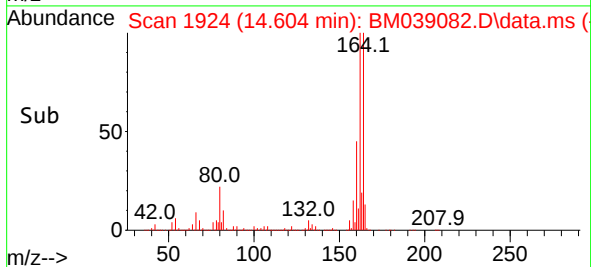
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023

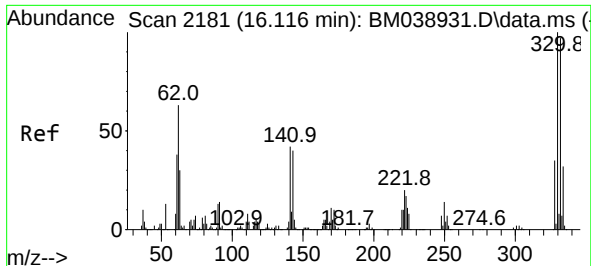


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.604 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BM039082.D
Acq: 21 Mar 2023 23:22



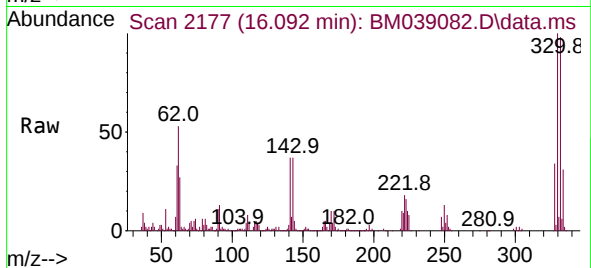
Tgt Ion:164 Resp: 905766
Ion Ratio Lower Upper
164 100
162 100.2 79.2 118.8
160 45.0 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 30.943 ng
RT: 16.092 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039082.D
Acq: 21 Mar 2023 23:22

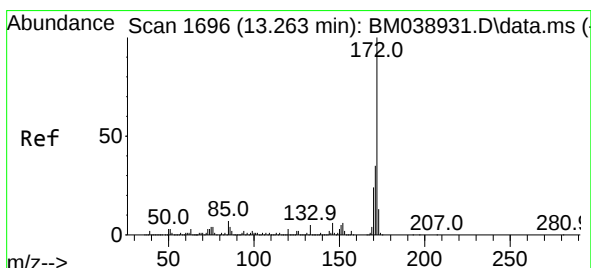
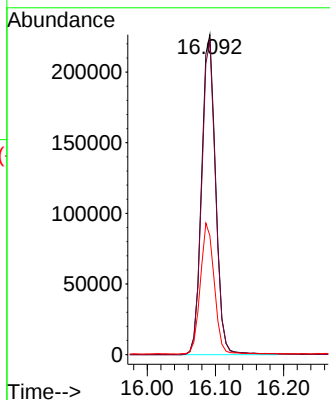
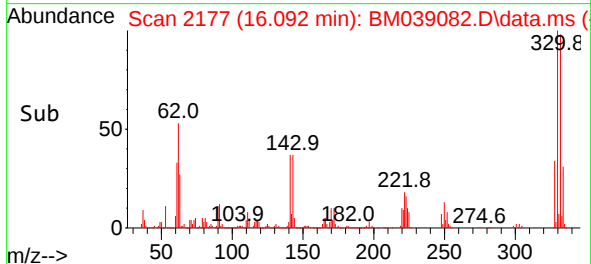
Instrument :
BNA_M
ClientSampleId :
DAHMER-ROCKY-SOIL



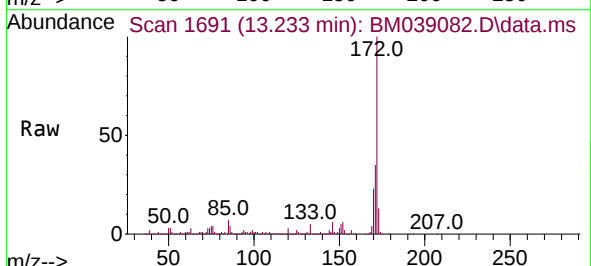
Tgt Ion:330 Resp: 324224
Ion Ratio Lower Upper
330 100
332 97.3 77.4 116.0
141 40.5 32.2 48.4

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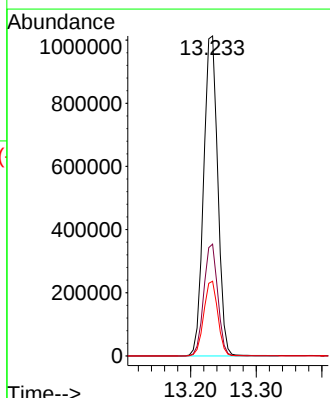
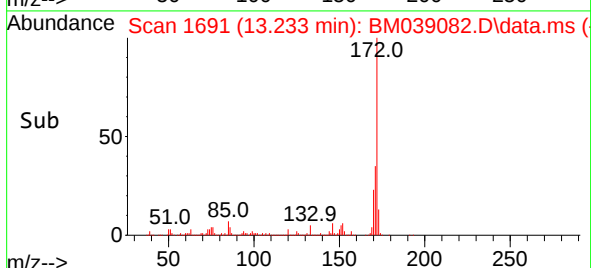
Reviewed By :Christian Giraldo 03/22/2023
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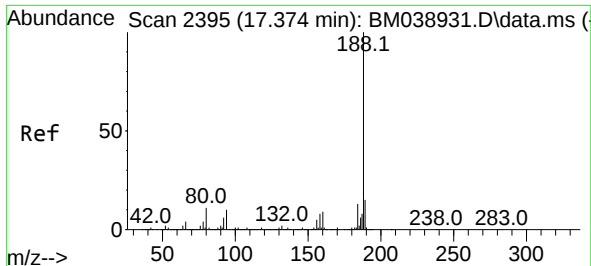


#45
2-Fluorobiphenyl
Concen: 21.714 ng
RT: 13.233 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BM039082.D
Acq: 21 Mar 2023 23:22



Tgt Ion:172 Resp: 1510833
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.2
170 23.3 19.1 28.7





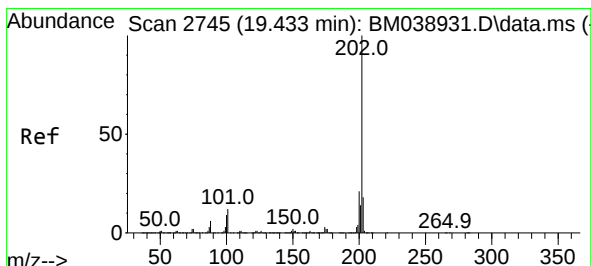
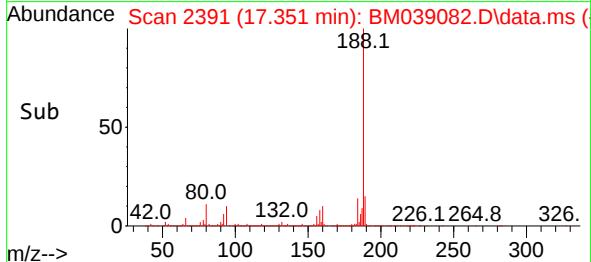
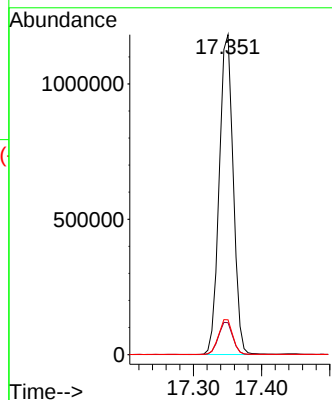
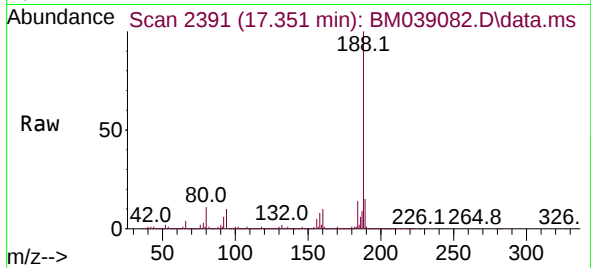
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 2391
Delta R.T. -0.000 min
Lab File: BM039082.D
Acq: 21 Mar 2023 23:22

Instrument :
BNA_M
ClientSampleId :
DAHMER-ROCKY-SOIL

Tgt Ion:188 Resp: 1675886
Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 10.9 8.5 12.7

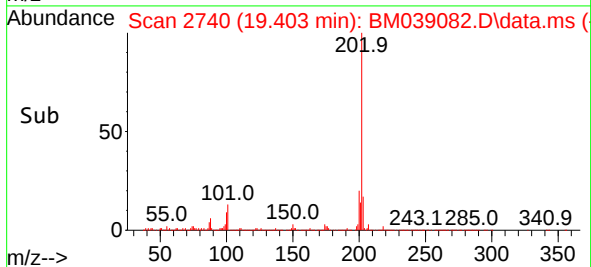
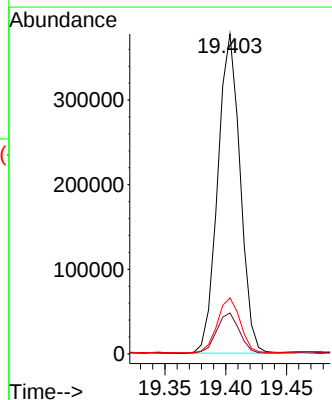
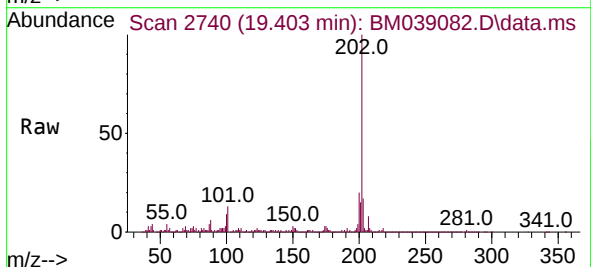
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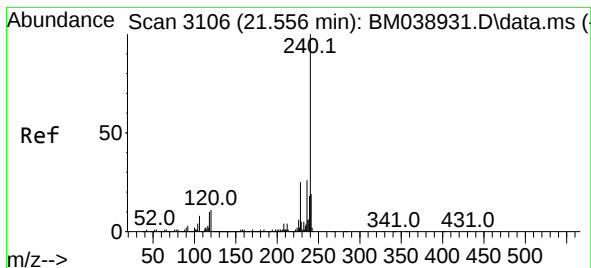
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#75
Fluoranthene
Concen: 4.659 ng
RT: 19.403 min Scan# 2740
Delta R.T. -0.006 min
Lab File: BM039082.D
Acq: 21 Mar 2023 23:22

Tgt Ion:202 Resp: 483883
Ion Ratio Lower Upper
202 100
101 12.8 0.0 31.7
203 17.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039082.D

Acq: 21 Mar 2023 23:22

Instrument :

BNA_M

ClientSampleId :

DAHMER-ROCKY-SOIL

Tgt Ion:240 Resp: 1498436

Ion Ratio Lower Upper

240 100

120 12.7 9.2 13.8

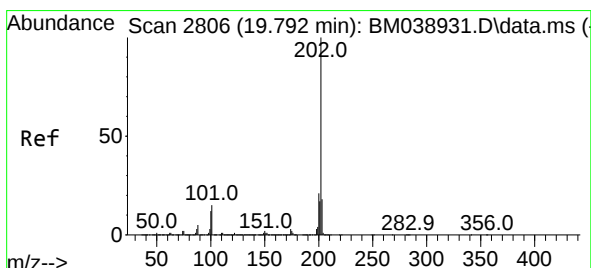
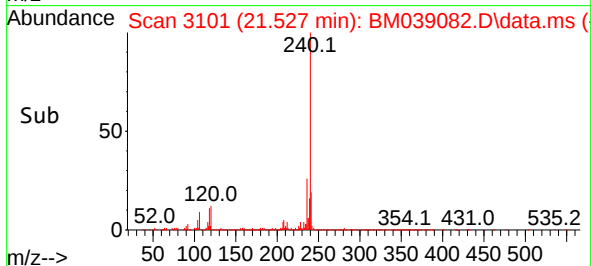
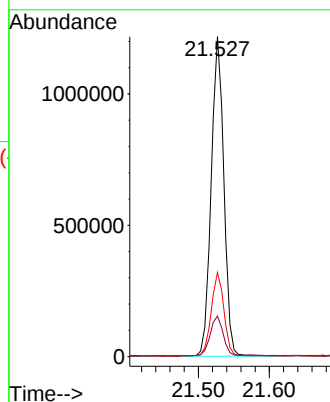
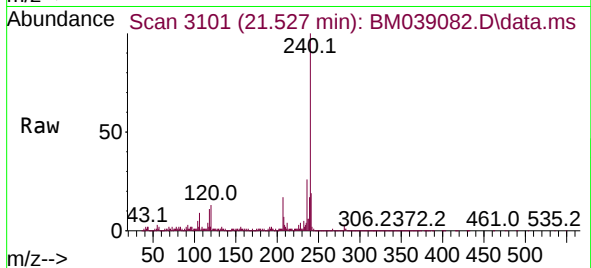
236 26.3 20.8 31.2

Manual Integrations

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#78

Pyrene

Concen: 4.368 ng

RT: 19.762 min Scan# 2801

Delta R.T. -0.006 min

Lab File: BM039082.D

Acq: 21 Mar 2023 23:22

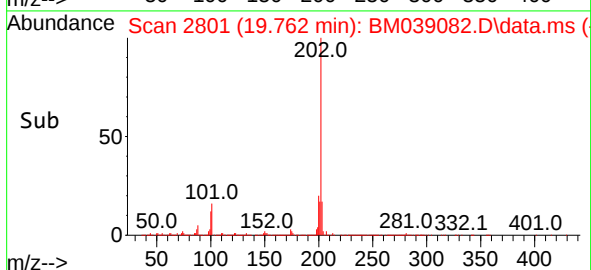
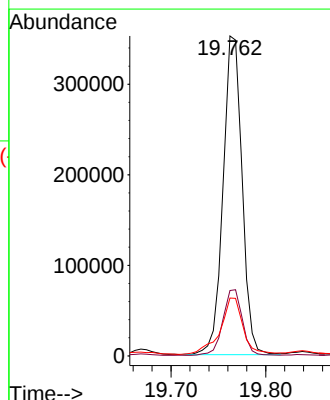
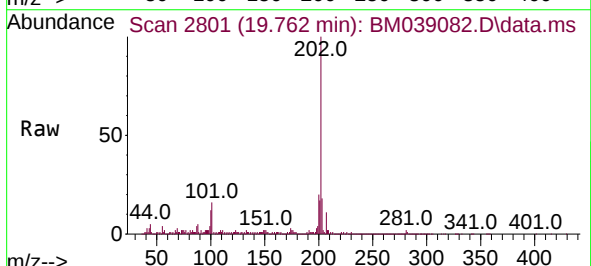
Tgt Ion:202 Resp: 491627

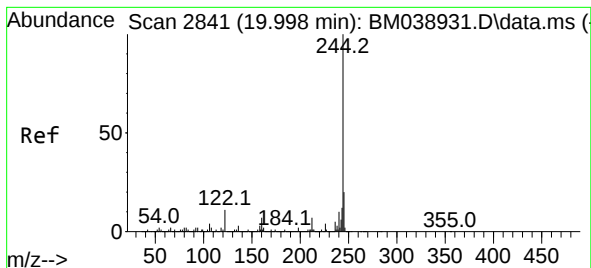
Ion Ratio Lower Upper

202 100

200 20.4 17.1 25.7

203 18.1 14.1 21.1





#79

Terphenyl-d14

Concen: 19.639 ng

RT: 19.968 min Scan# 2841

Delta R.T. -0.000 min

Lab File: BM039082.D

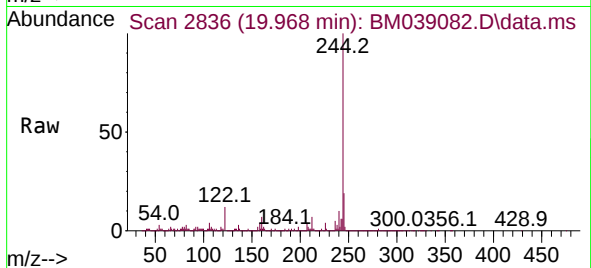
Acq: 21 Mar 2023 23:22

Instrument :

BNA_M

ClientSampleId :

DAHMER-ROCKY-SOIL



Tgt Ion:244 Resp: 1609498

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

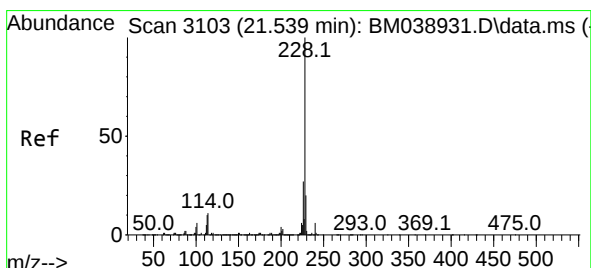
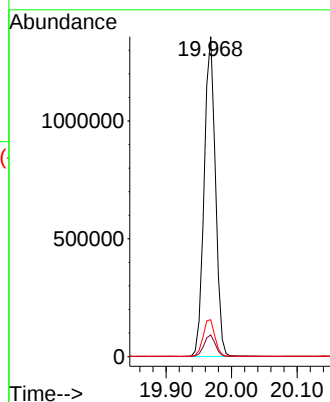
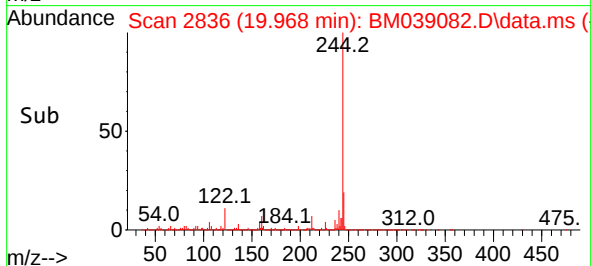
122 11.5 9.0 13.4

Manual Integrations

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Reviewed By :Christian Giraldo 03/22/2023

Supervised By :Jagrut Upadhyay 03/22/2023



#81

Benzo(a)anthracene

Concen: 2.663 ng

RT: 21.509 min Scan# 3098

Delta R.T. -0.006 min

Lab File: BM039082.D

Acq: 21 Mar 2023 23:22

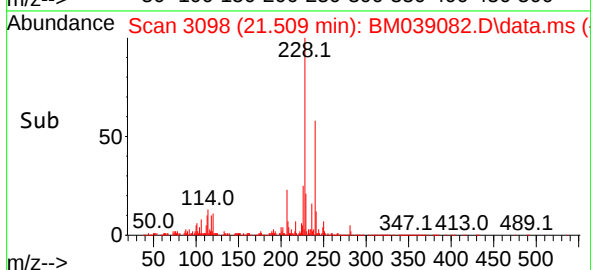
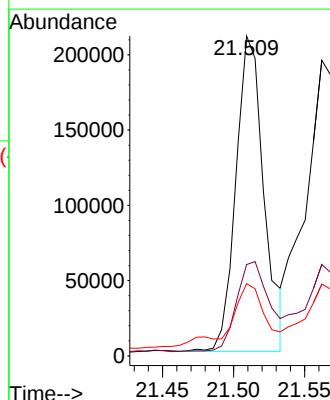
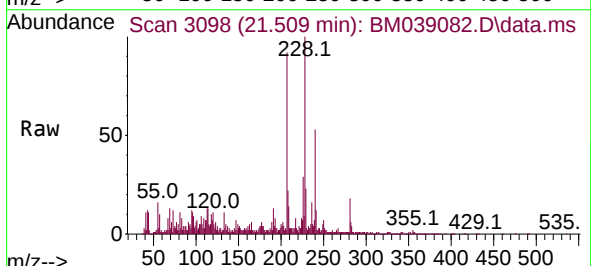
Tgt Ion:228 Resp: 287341

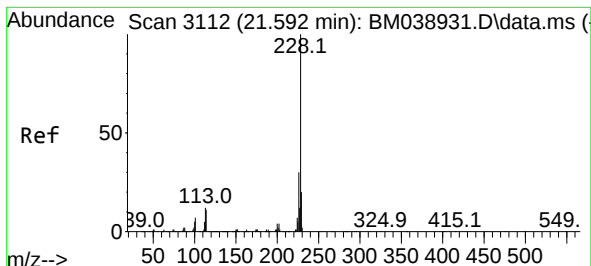
Ion Ratio Lower Upper

228 100

226 28.5 21.4 32.2

229 22.6 15.7 23.5





#83

Chrysene

Concen: 3.054 ng m

RT: 21.562 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039082.D

Acq: 21 Mar 2023 23:22

Instrument :

BNA_M

ClientSampleId :

DAHMER-ROCKY-SOIL

Tgt Ion:228 Resp: 320562

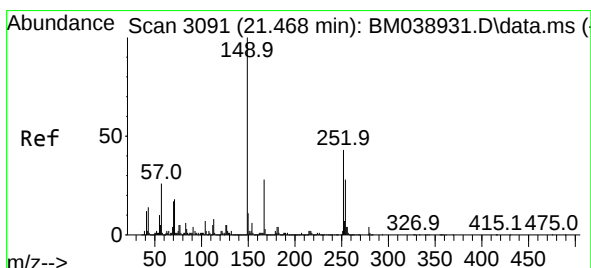
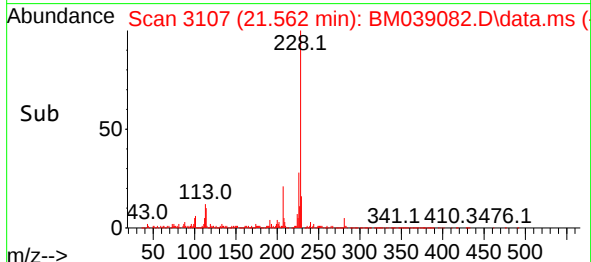
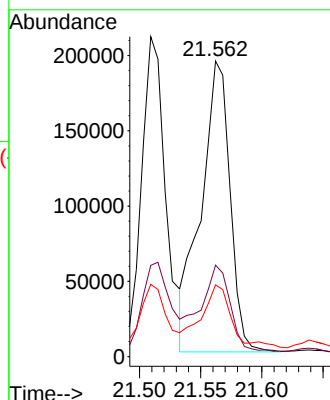
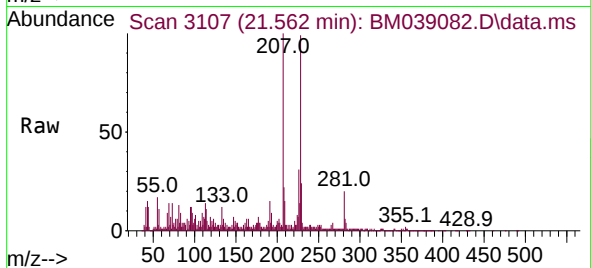
Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.0	36.0
229	24.3	16.0	24.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/22/2023

Supervised By :Jagrut Upadhyay 03/22/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.226 ng

RT: 21.439 min Scan# 3086

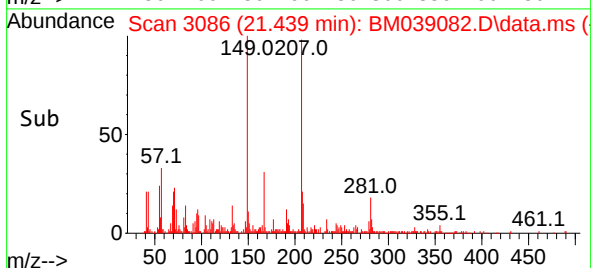
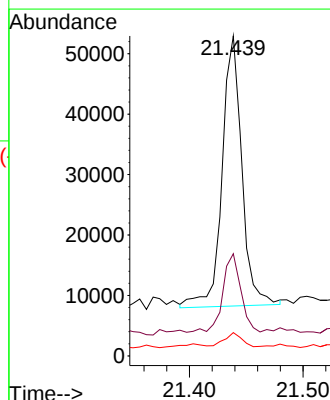
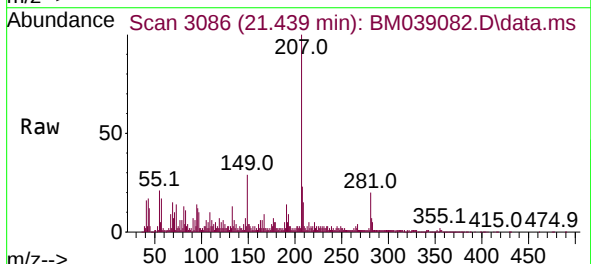
Delta R.T. -0.000 min

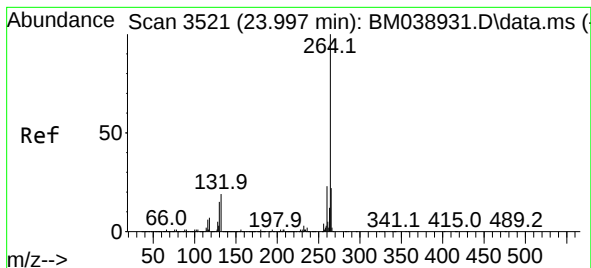
Lab File: BM039082.D

Acq: 21 Mar 2023 23:22

Tgt Ion:149 Resp: 54075

Ion	Ratio	Lower	Upper
149	100		
167	31.9	22.3	33.5
279	7.3	3.2	4.8





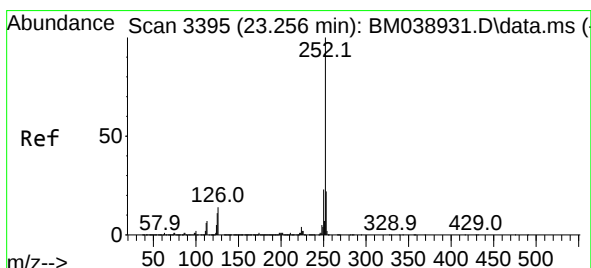
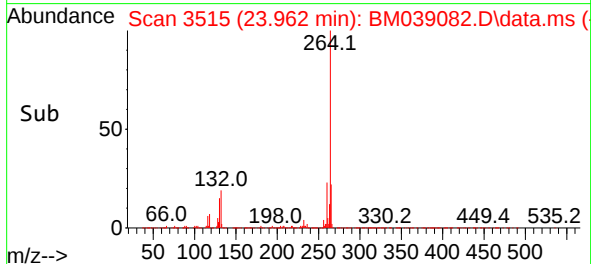
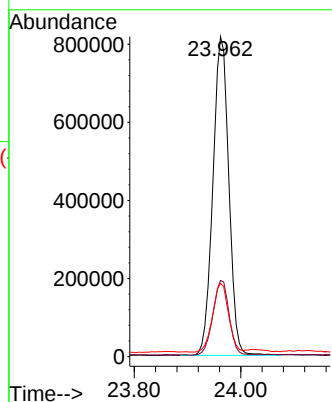
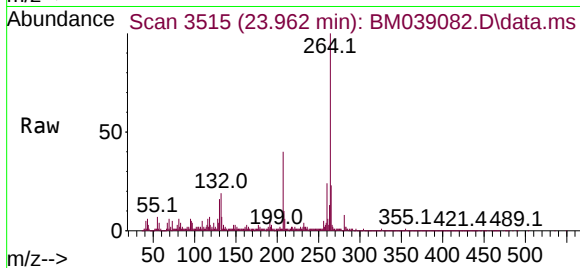
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.962 min Scan# 3515
Delta R.T. -0.000 min
Lab File: BM039082.D
Acq: 21 Mar 2023 23:22

Instrument :
BNA_M
ClientSampleId :
DAHMER-ROCKY-SOIL

Tgt Ion:264 Resp: 1696856
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 22.9 17.9 26.9

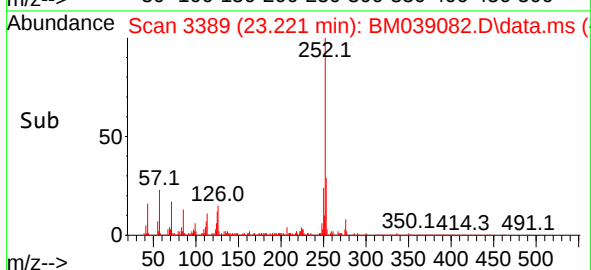
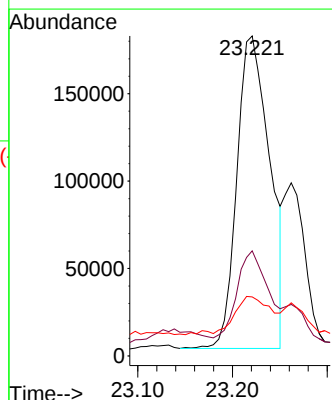
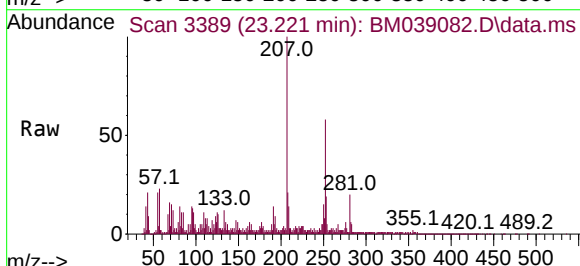
Manual Integrations
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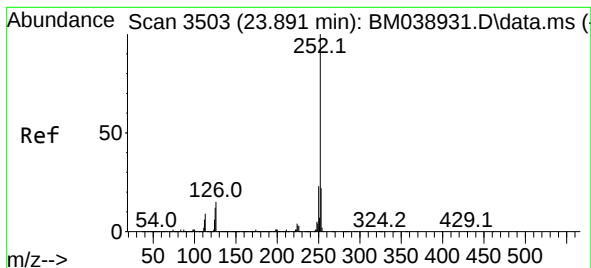
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#88
Benzo(b)fluoranthene
Concen: 4.001 ng
RT: 23.221 min Scan# 3389
Delta R.T. -0.000 min
Lab File: BM039082.D
Acq: 21 Mar 2023 23:22

Tgt Ion:252 Resp: 433712
Ion Ratio Lower Upper
252 100
253 32.8 17.6 26.4#
125 18.4 8.8 13.2#





#90

Benzo(a)pyrene

Concen: 2.838 ng

RT: 23.850 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM039082.D

Acq: 21 Mar 2023 23:22

Instrument :

BNA_M

ClientSampleId :

DAHMER-ROCKY-SOIL

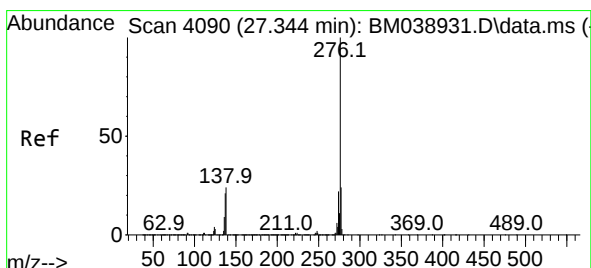
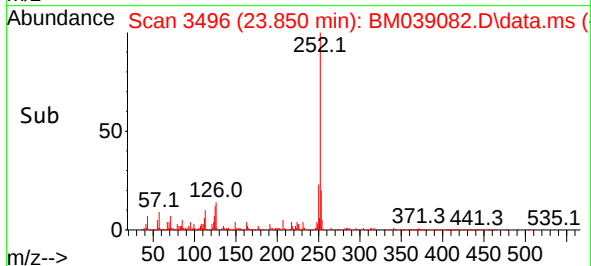
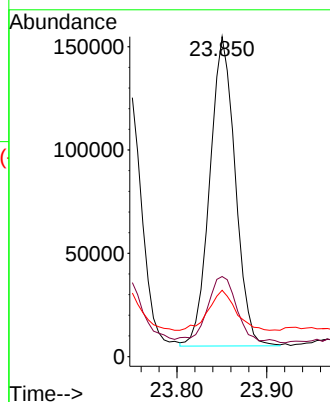
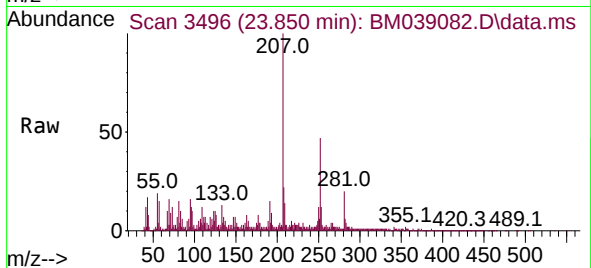
Tgt Ion:252 Resp: 296118

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.6	26.4
125	20.7	9.8	14.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#92

Benzo(g,h,i)perylene

Concen: 2.391 ng

RT: 27.279 min Scan# 4079

Delta R.T. 0.006 min

Lab File: BM039082.D

Acq: 21 Mar 2023 23:22

Tgt Ion:276 Resp: 255839

Ion	Ratio	Lower	Upper
276	100		
277	27.9	19.3	28.9
138	27.5	19.0	28.6

