

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

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)

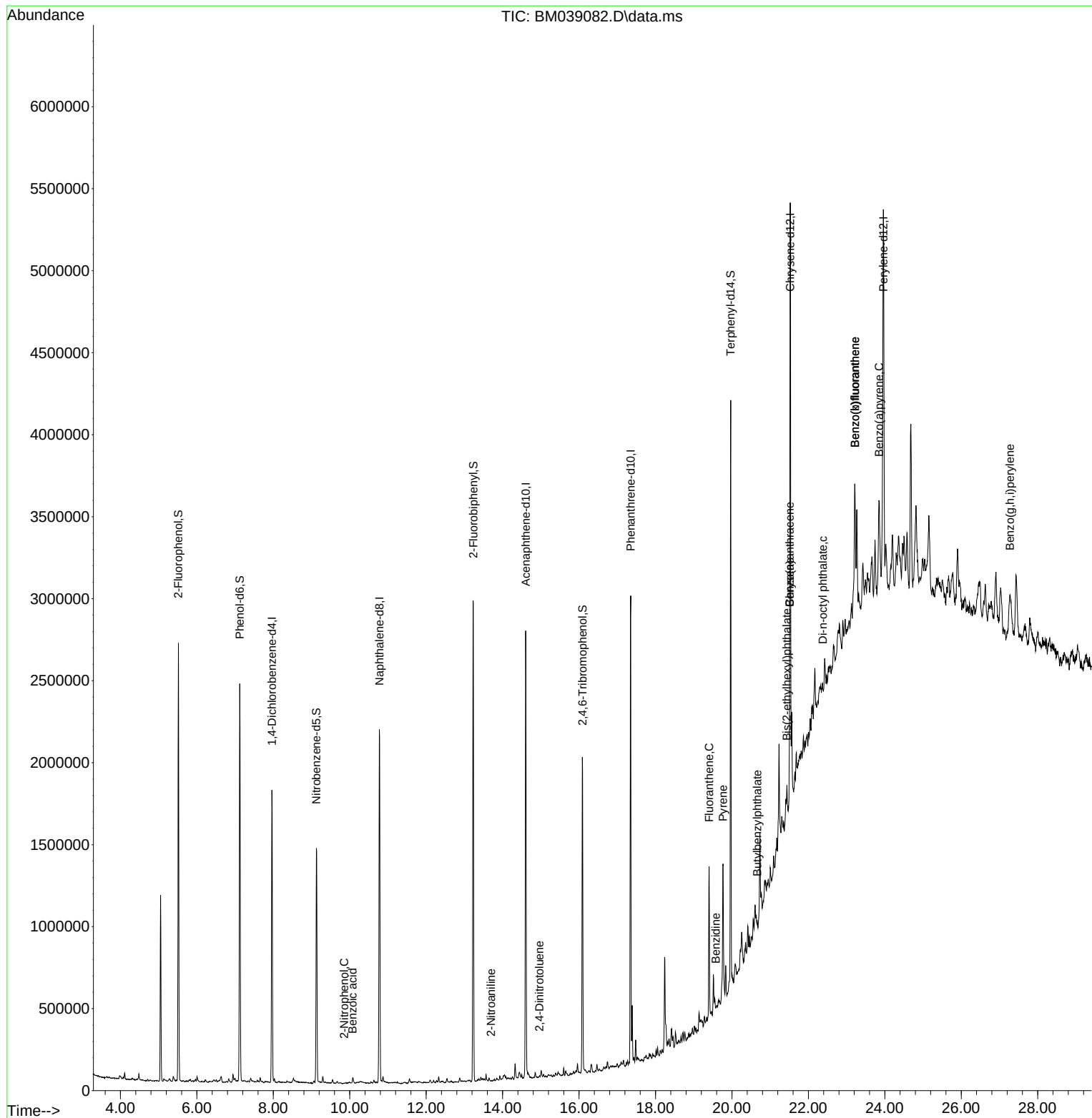
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	467771	20.000	ng	0.00
21) Naphthalene-d8	10.775	136	1796049	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	905766	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1675886	20.000	ng	0.00
76) Chrysene-d12	21.527	240	1498430	20.000	ng	0.00
86) Perylene-d12	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
26) 2-Nitrophenol	9.857	139	59	2.994	ng	# 1
32) Benzoic acid	10.075	122	356	5.747	ng	# 1
48) 2-Nitroaniline	13.698	65	123	2.222	ng	# 50
57) 2,4-Dinitrotoluene	14.963	165	279	2.084	ng	# 47
75) Fluoranthene	19.403	202	483883	4.659	ng	# 99
77) Benzidine	19.580	184	331	4.885	ng	# 1
78) Pyrene	19.762	202	491627	4.368	ng	# 98
80) Butylbenzylphthalate	20.662	149	8525	3.482	ng	# 68
81) Benzo(a)anthracene	21.509	228	287341	2.663	ng	# 95
83) Chrysene	21.509	228	287341	2.738	ng	# 96
84) Bis(2-ethylhexyl)phtha...	21.439	149	54075	3.226	ng	# 92
85) Di-n-octyl phthalate	22.380	149	3739	3.826	ng	# 77
88) Benzo(b)fluoranthene	23.221	252	433712	4.001	ng	# 78
89) Benzo(k)fluoranthene	23.221	252	433712	3.844	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

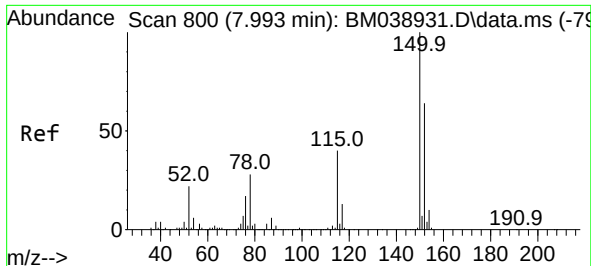
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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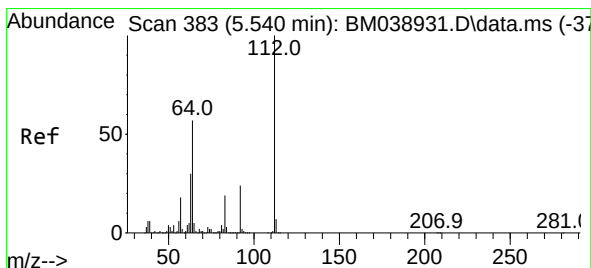
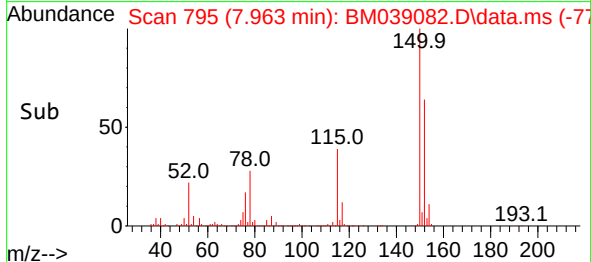
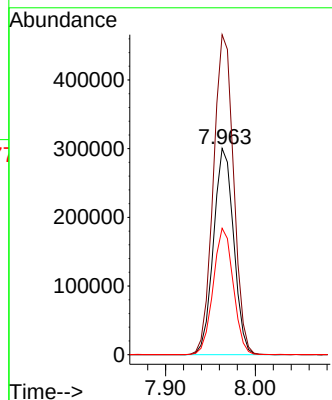
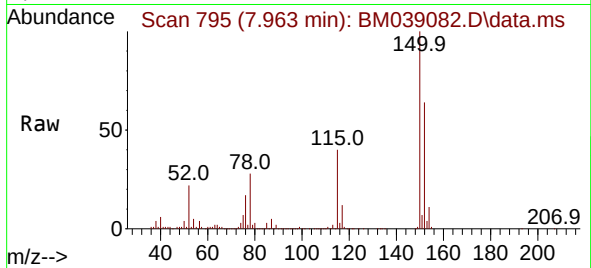




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.963 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BM039082.D
 Acq: 21 Mar 2023 23:22

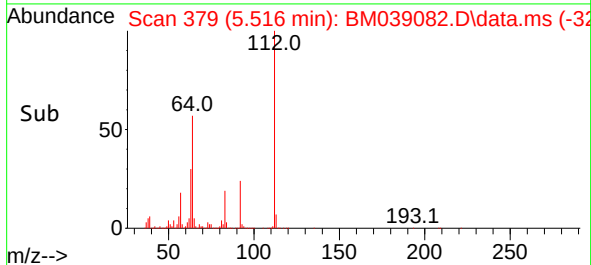
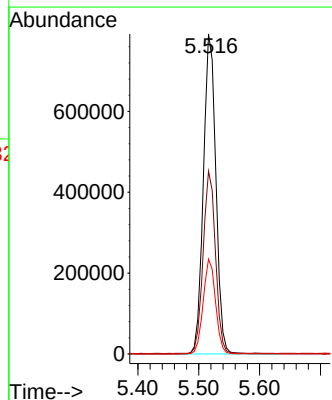
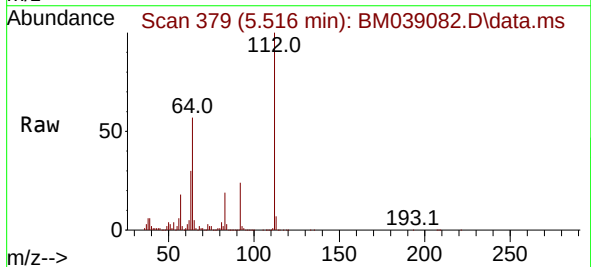
Instrument :
 BNA_M
 ClientSampleId :
 DAHMER-ROCKY-SOIL

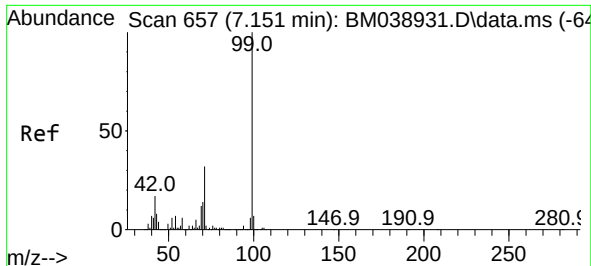
Tgt Ion:152 Resp: 467771
 Ion Ratio Lower Upper
 152 100
 150 155.2 125.1 187.7
 115 61.3 49.6 74.4



#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

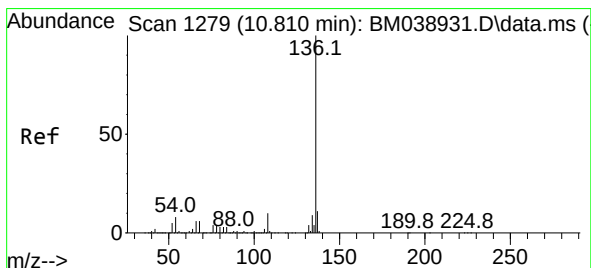
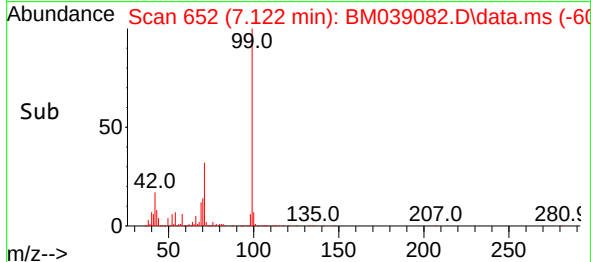
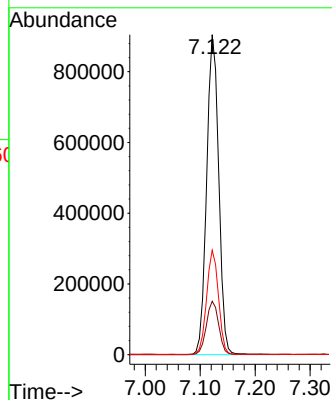
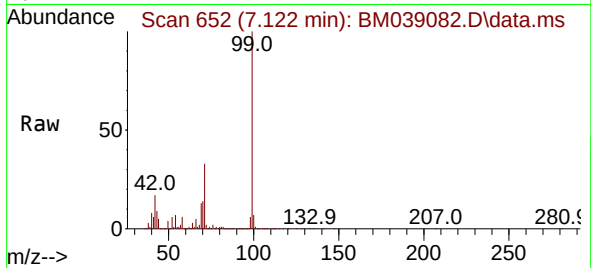




#7
Phenol-d6
Concen: 34.467 ng
RT: 7.122 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM039082.D
Acq: 21 Mar 2023 23:22

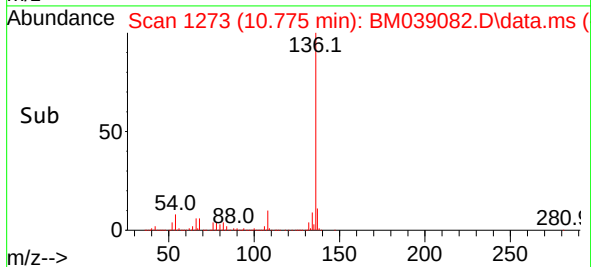
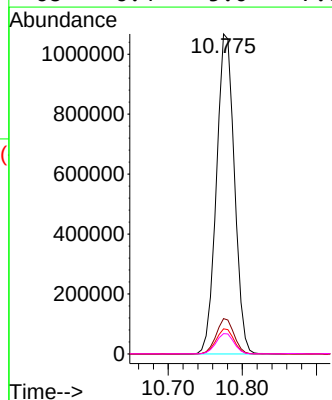
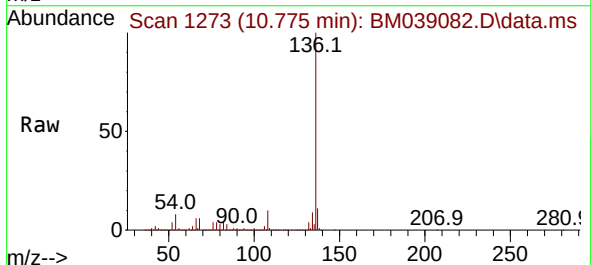
Instrument :
BNA_M
ClientSampleId :
DAHMER-ROCKY-SOIL

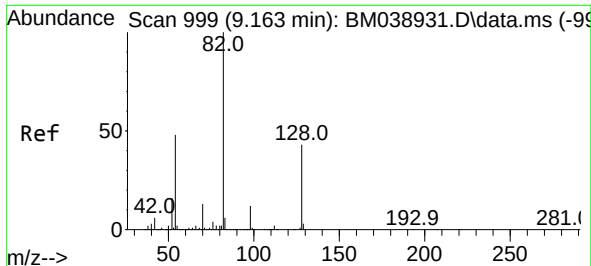
Tgt Ion: 99 Resp: 1378384
Ion Ratio Lower Upper
99 100
42 16.7 13.5 20.3
71 32.6 25.6 38.4



#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

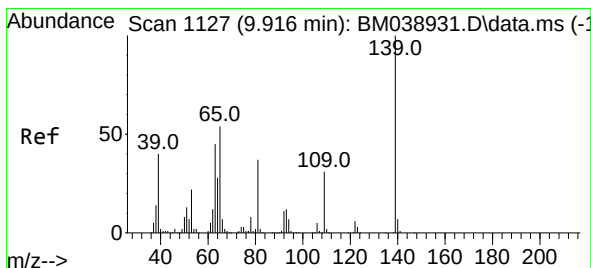
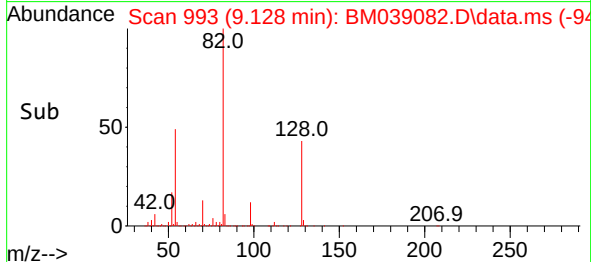
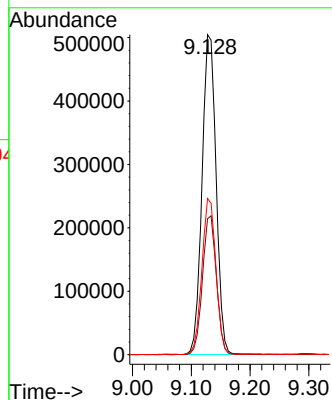
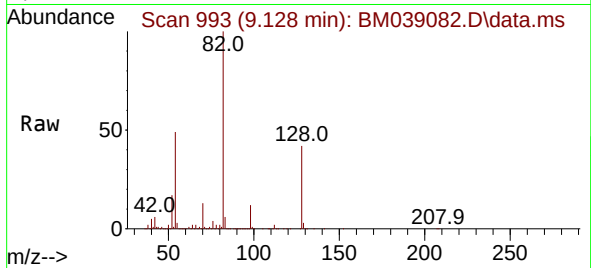




#23
Nitrobenzene-d5
Concen: 22.885 ng
RT: 9.128 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM039082.D
Acq: 21 Mar 2023 23:22

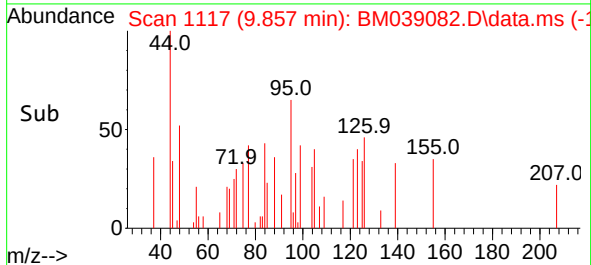
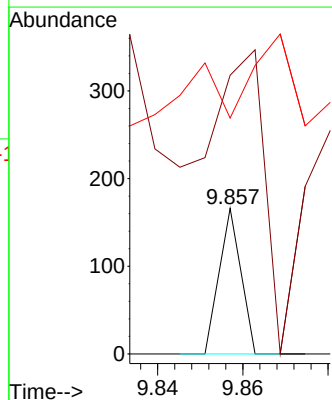
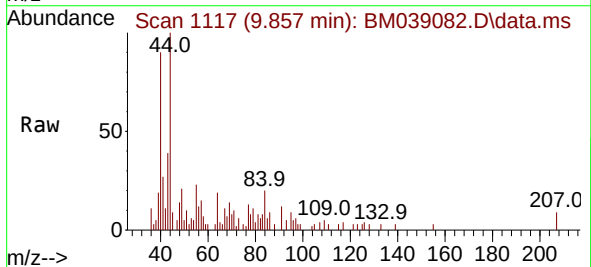
Instrument :
BNA_M
ClientSampleId :
DAHMER-ROCKY-SOIL

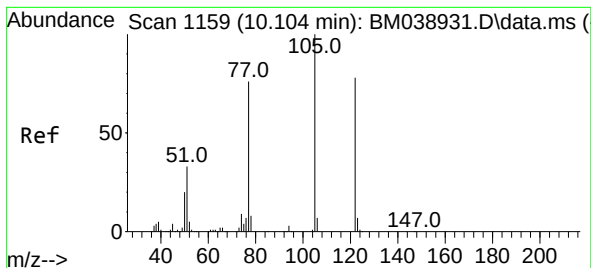
Tgt Ion: 82 Resp: 836757
Ion Ratio Lower Upper
82 100
128 42.5 34.4 51.6
54 48.8 38.8 58.2



#26
2-Nitrophenol
Concen: 2.994 ng
RT: 9.857 min Scan# 1117
Delta R.T. -0.035 min
Lab File: BM039082.D
Acq: 21 Mar 2023 23:22

Tgt Ion:139 Resp: 59
Ion Ratio Lower Upper
139 100
109 191.6 24.5 36.7#
65 162.0 43.0 64.6#





#32

Benzoic acid

Concen: 5.747 ng

RT: 10.075 min Scan# 1154

Delta R.T. -0.012 min

Lab File: BM039082.D

Acq: 21 Mar 2023 23:22

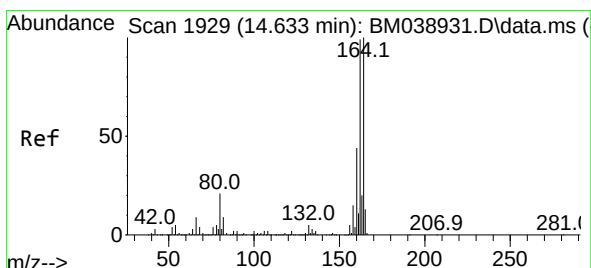
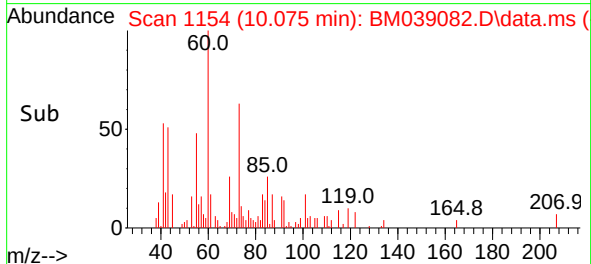
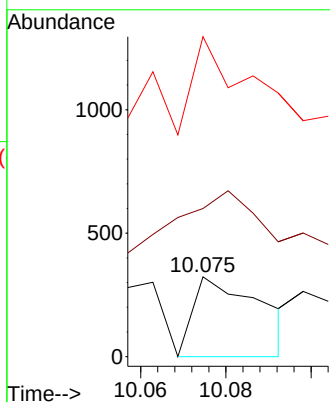
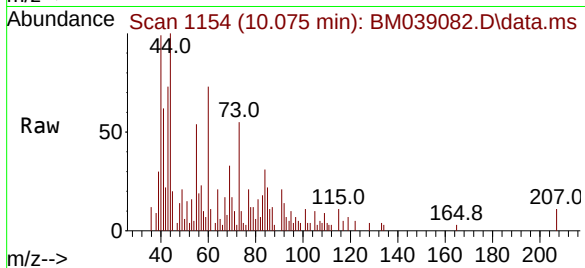
Instrument :

BNA_M

ClientSampleId :

DAHMER-ROCKY-SOIL

Tgt Ion:	122	Resp:	356
Ion	Ratio	Lower	Upper
122	100		
105	185.8	104.2	144.2#
77	401.2	75.1	115.1#



#39

Acenaphthene-d10

Concen: 20.000 ng

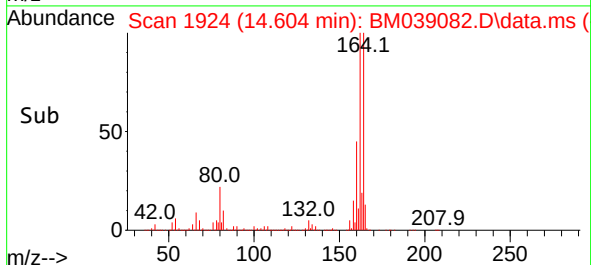
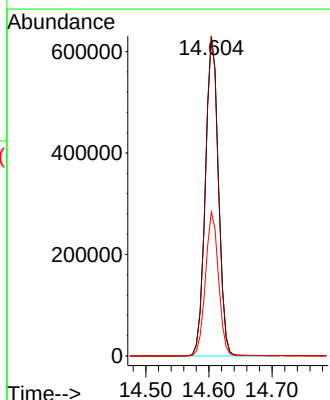
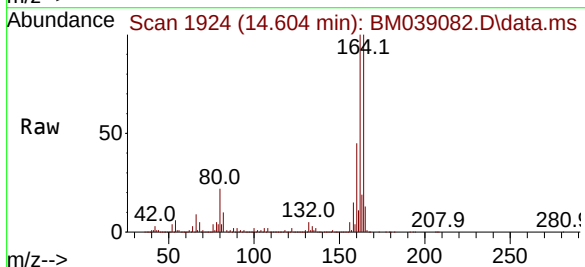
RT: 14.604 min Scan# 1924

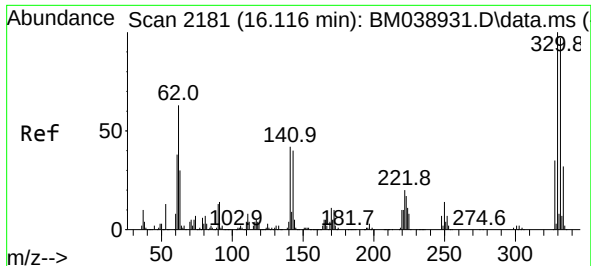
Delta R.T. -0.006 min

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

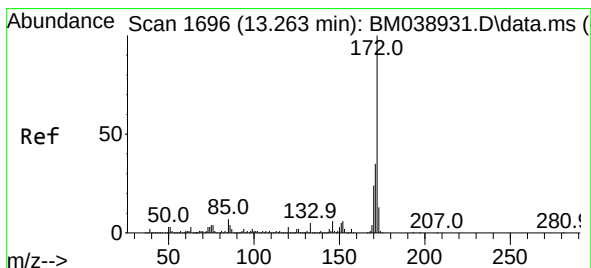
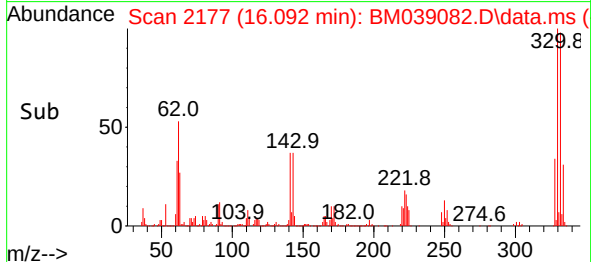
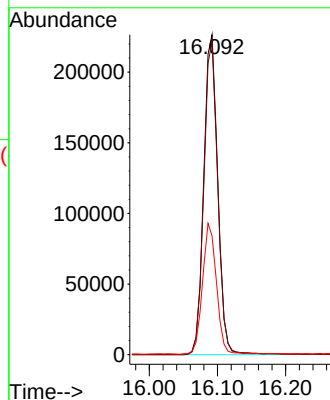
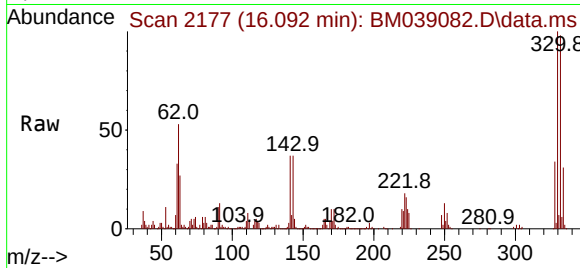




#42
2,4,6-Tribromophenol
Concen: 30.943 ng
RT: 16.092 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039082.D
Acq: 21 Mar 2023 23:22

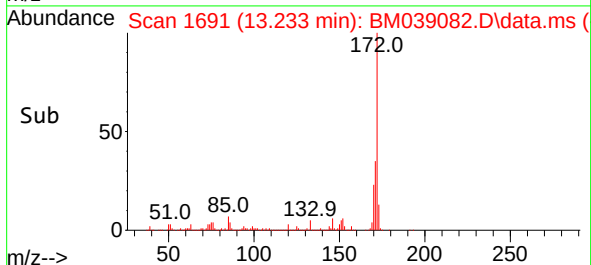
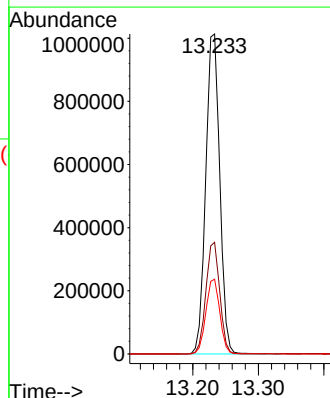
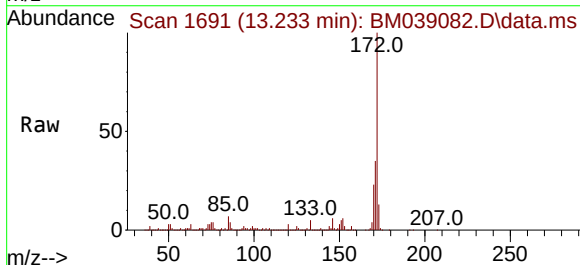
Instrument :
BNA_M
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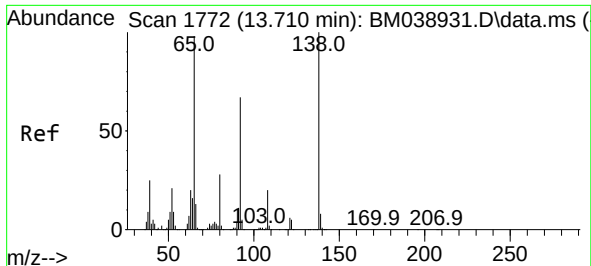
Tgt Ion:330 Resp: 324224
Ion Ratio Lower Upper
330 100
332 97.3 77.4 116.0
141 40.5 32.2 48.4



#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





#48

2-Nitroaniline

Concen: 2.222 ng

RT: 13.698 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM039082.D

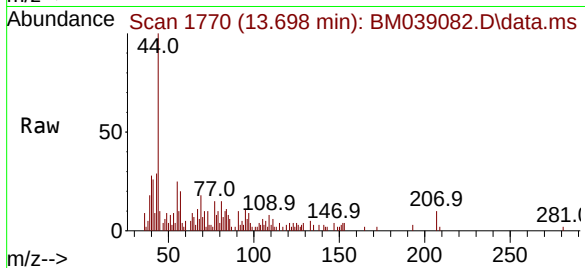
Acq: 21 Mar 2023 23:22

Instrument :

BNA_M

ClientSampleId :

DAHMER-ROCKY-SOIL



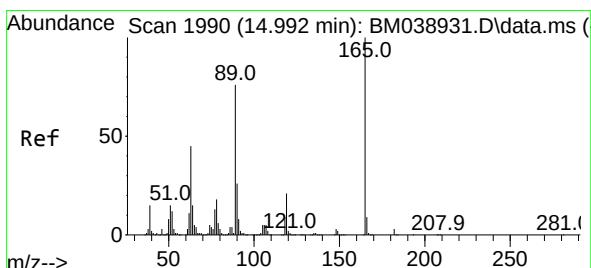
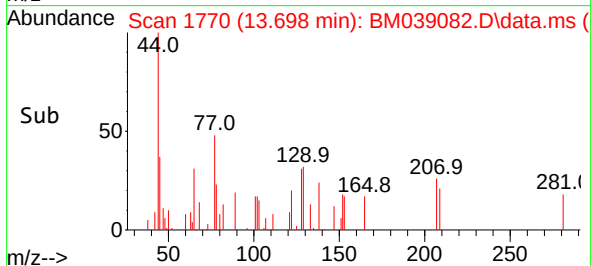
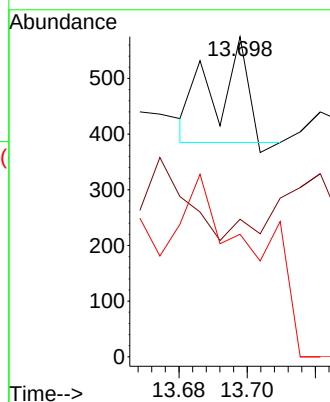
Tgt Ion: 65 Resp: 123

Ion Ratio Lower Upper

65 100

92 43.0 54.9 82.3#

138 38.3 81.6 122.4#



#57

2,4-Dinitrotoluene

Concen: 2.084 ng

RT: 14.963 min Scan# 1985

Delta R.T. -0.006 min

Lab File: BM039082.D

Acq: 21 Mar 2023 23:22

Tgt Ion: 165 Resp: 279

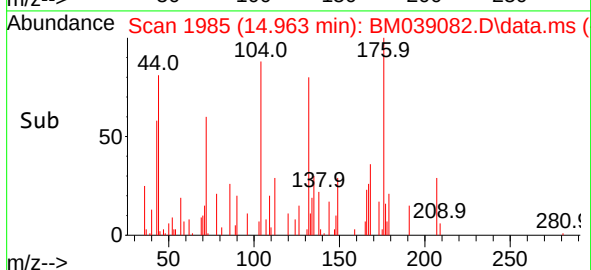
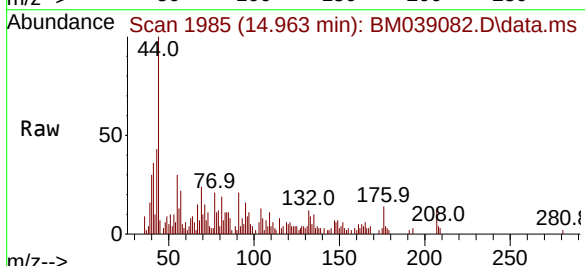
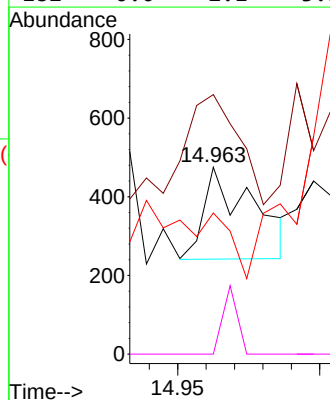
Ion Ratio Lower Upper

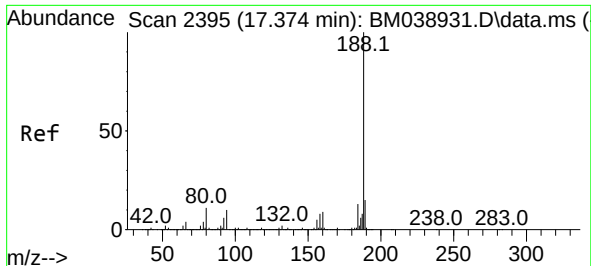
165 100

63 138.9 35.9 53.9#

89 75.6 61.0 91.6

182 0.0 2.1 3.1#

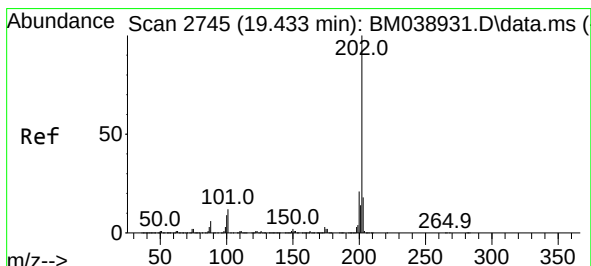
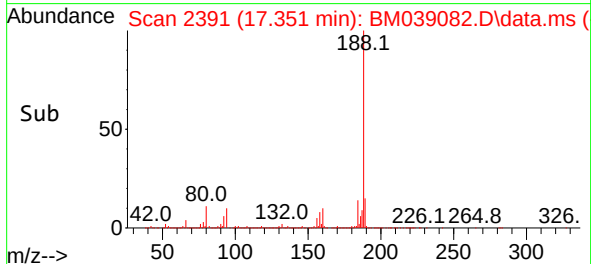
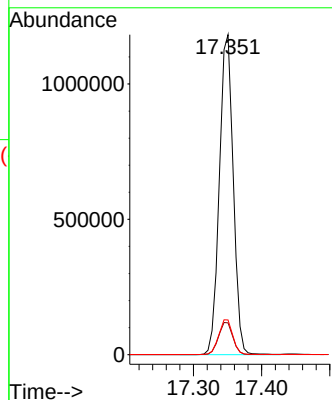
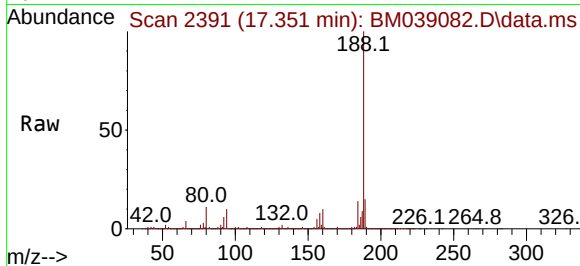




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM039082.D
Acq: 21 Mar 2023 23:22

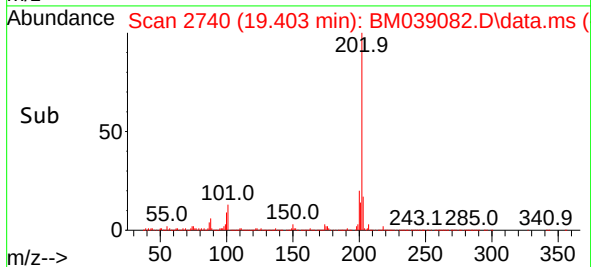
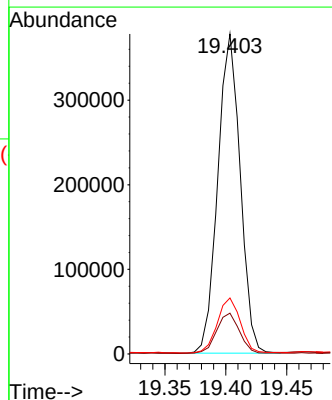
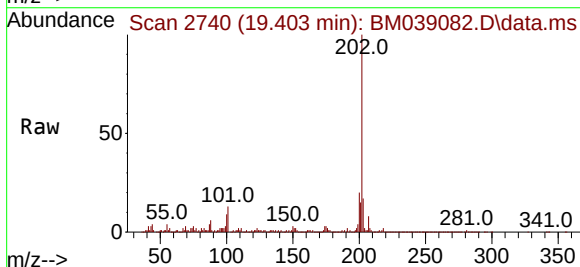
Instrument :
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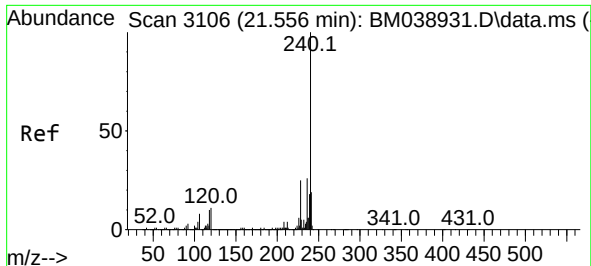
Tgt Ion:188 Resp: 1675886
Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 10.9 8.5 12.7



#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

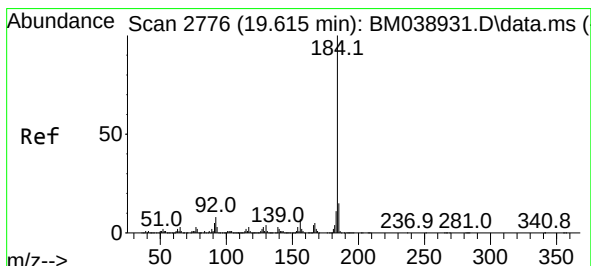
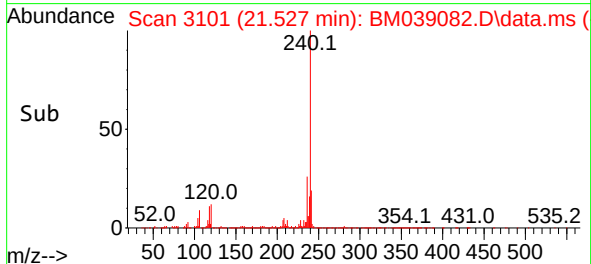
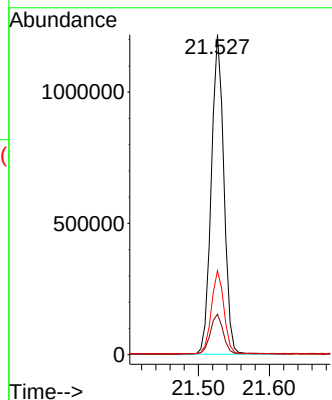
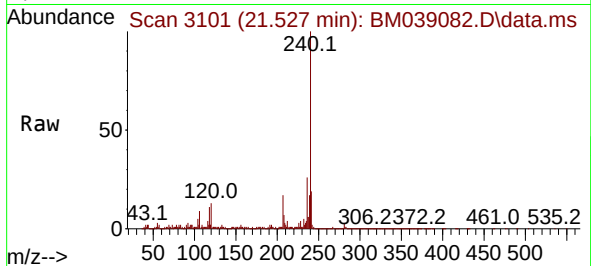




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.527 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039082.D
Acq: 21 Mar 2023 23:22

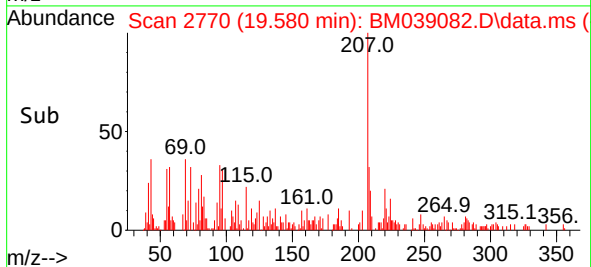
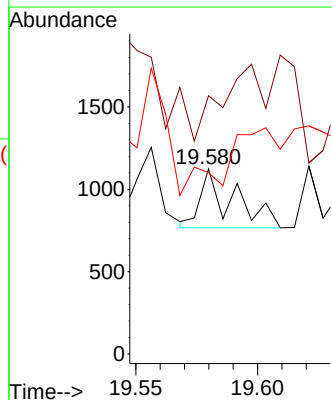
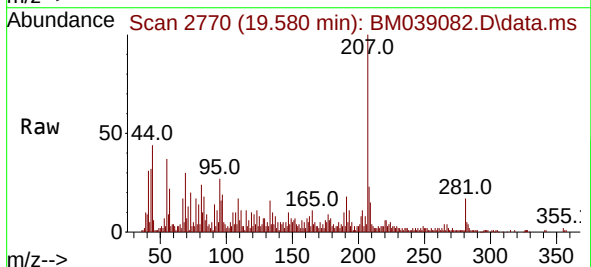
Instrument :
BNA_M
ClientSampleId :
DAHMER-ROCKY-SOIL

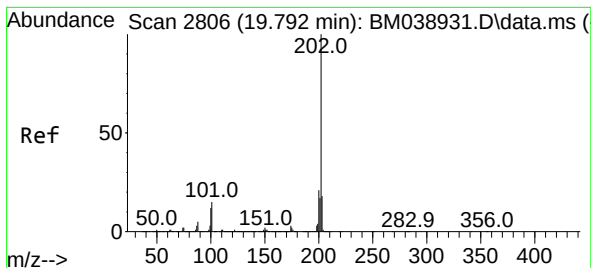
Tgt Ion:240 Resp: 1498430
Ion Ratio Lower Upper
240 100
120 12.7 9.2 13.8
236 26.3 20.8 31.2



#77
Benzidine
Concen: 4.885 ng
RT: 19.580 min Scan# 2770
Delta R.T. -0.012 min
Lab File: BM039082.D
Acq: 21 Mar 2023 23:22

Tgt Ion:184 Resp: 331
Ion Ratio Lower Upper
184 100
185 139.5 12.2 18.4#
183 98.0 8.8 13.2#





#78

Pyrene

Concen: 4.368 ng

RT: 19.762 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039082.D

Acq: 21 Mar 2023 23:22

Instrument :

BNA_M

ClientSampleId :

DAHMER-ROCKY-SOIL

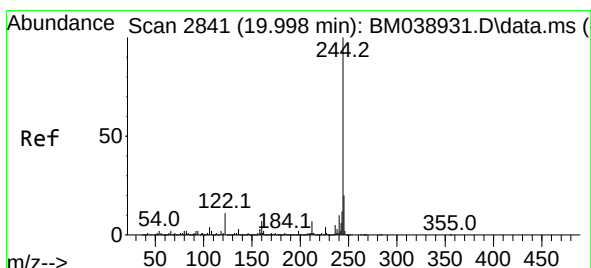
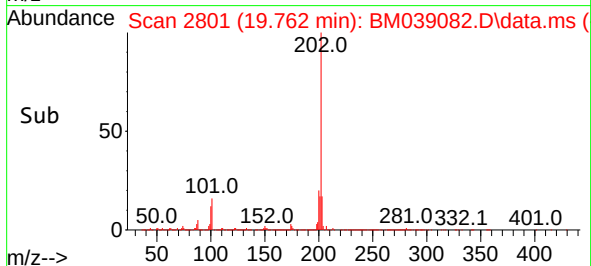
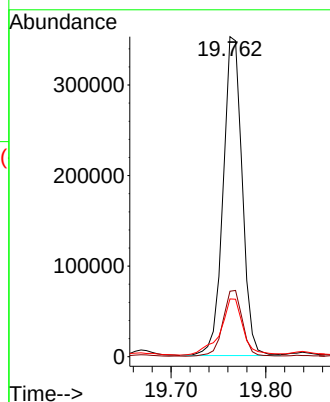
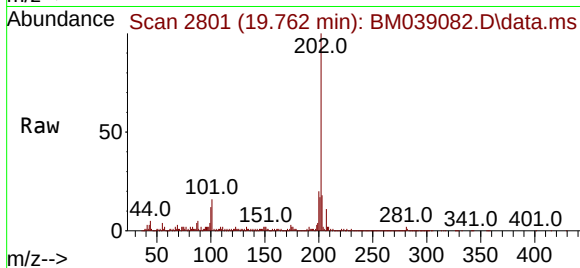
Tgt Ion:202 Resp: 491627

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# 2836

Delta R.T. -0.000 min

Lab File: BM039082.D

Acq: 21 Mar 2023 23:22

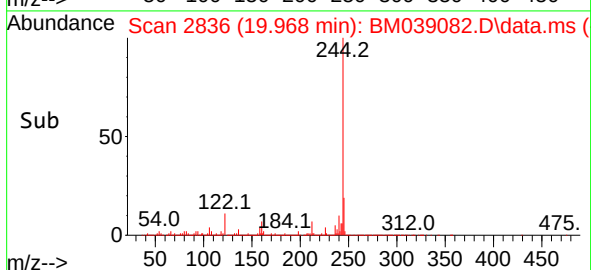
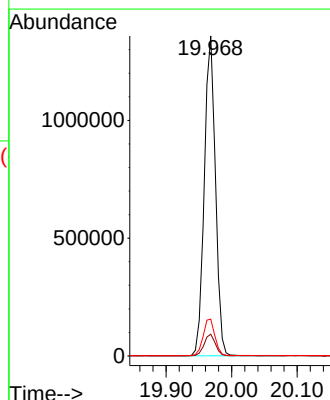
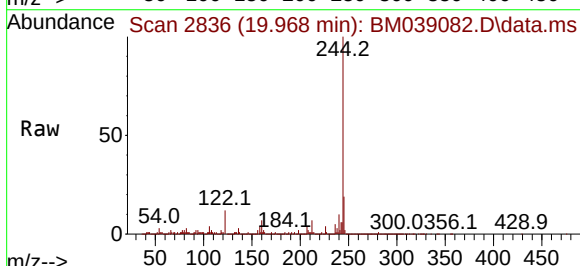
Tgt Ion:244 Resp: 1609498

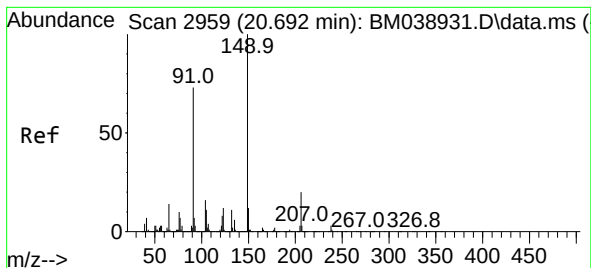
Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 11.5 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.482 ng

RT: 20.662 min Scan# 2954

Delta R.T. -0.000 min

Lab File: BM039082.D

Acq: 21 Mar 2023 23:22

Instrument :

BNA_M

ClientSampleId :

DAHMER-ROCKY-SOIL

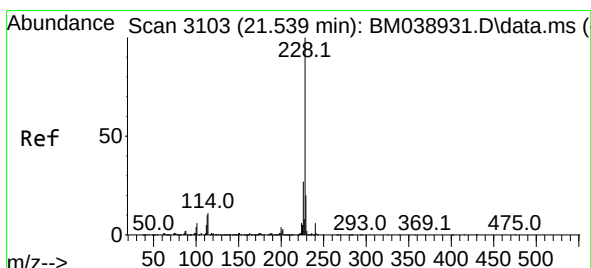
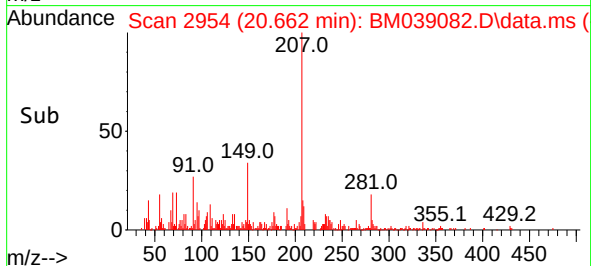
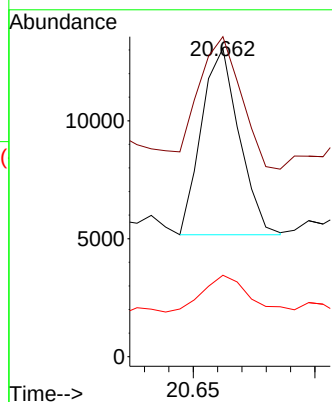
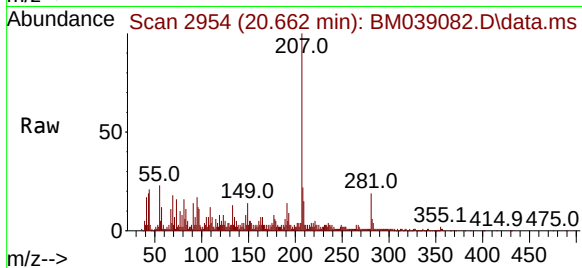
Tgt Ion:149 Resp: 8525

Ion Ratio Lower Upper

149 100

91 103.8 58.4 87.6#

206 26.4 16.1 24.1#



#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

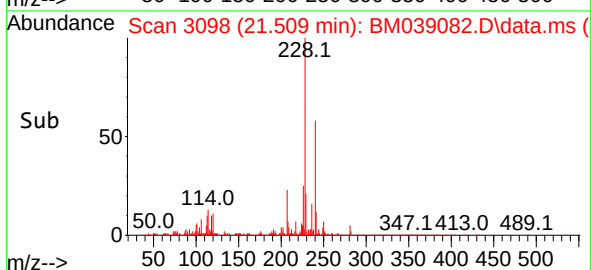
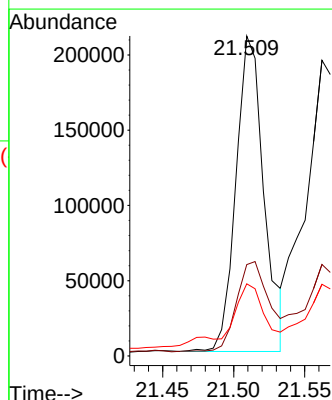
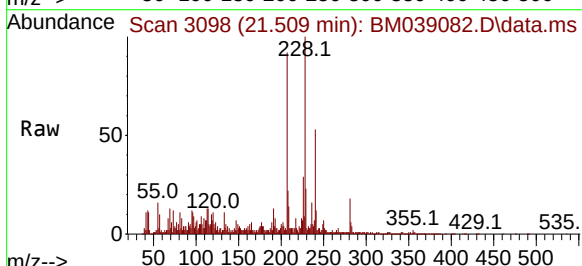
Tgt Ion:228 Resp: 287341

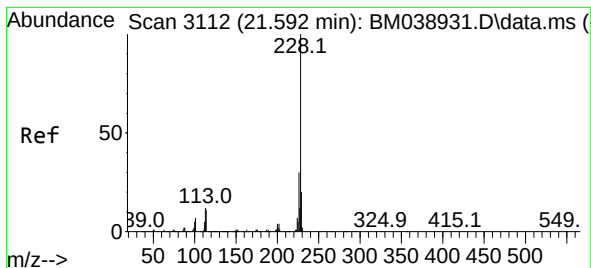
Ion Ratio Lower Upper

228 100

226 28.5 21.4 32.2

229 22.6 15.7 23.5





#83

Chrysene

Concen: 2.738 ng

RT: 21.509 min Scan# 3098

Delta R.T. -0.059 min

Lab File: BM039082.D

Acq: 21 Mar 2023 23:22

Instrument :

BNA_M

ClientSampleId :

DAHMER-ROCKY-SOIL

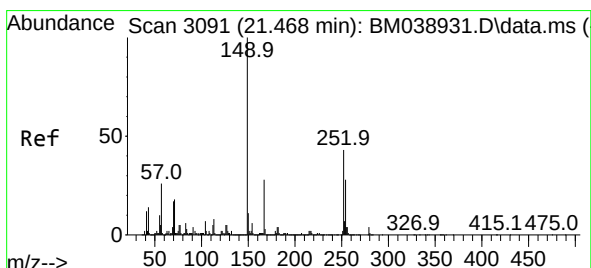
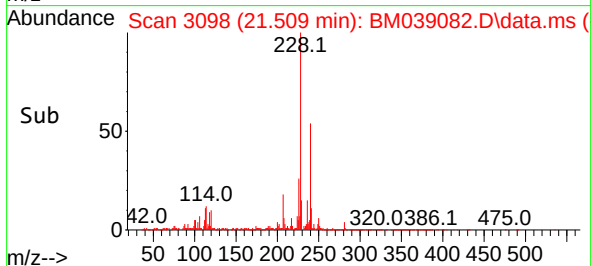
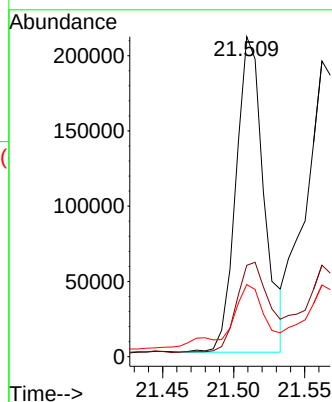
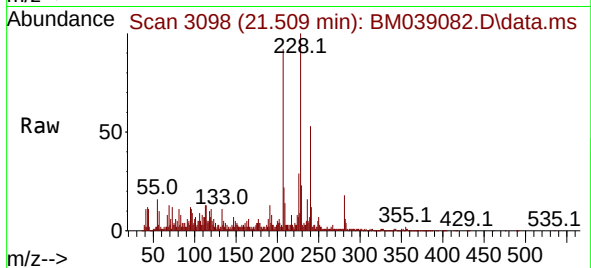
Tgt Ion:228 Resp: 287341

Ion Ratio Lower Upper

228 100

226 28.5 24.0 36.0

229 22.6 16.0 24.0



#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

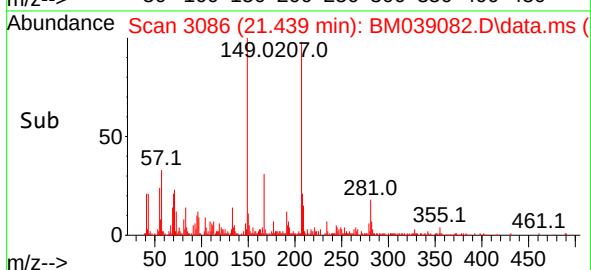
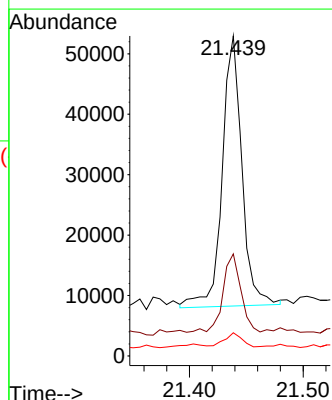
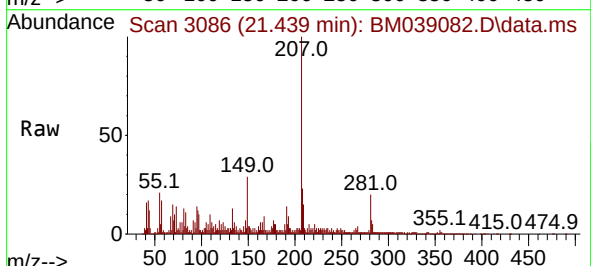
Tgt Ion:149 Resp: 54075

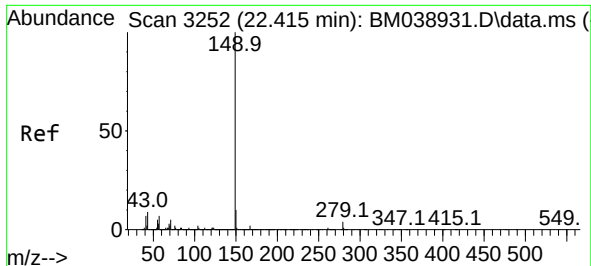
Ion Ratio Lower Upper

149 100

167 31.9 22.3 33.5

279 7.3 3.2 4.8#

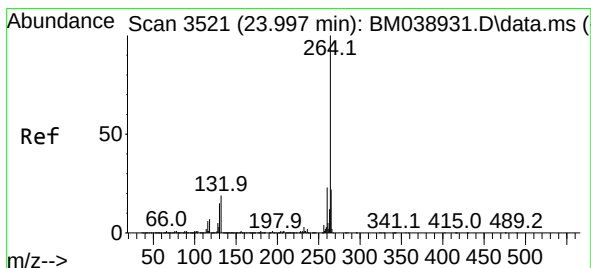
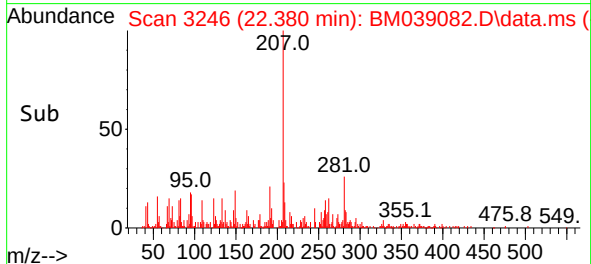
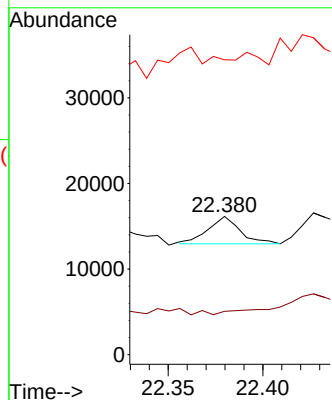
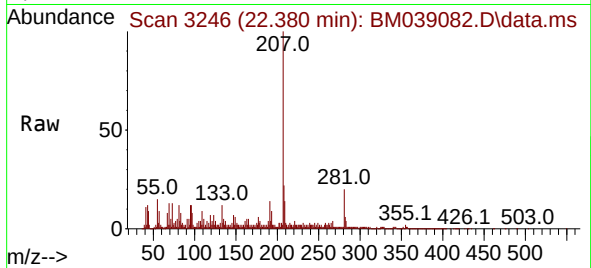




#85
Di-n-octyl phthalate
Concen: 3.826 ng
RT: 22.380 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM039082.D
Acq: 21 Mar 2023 23:22

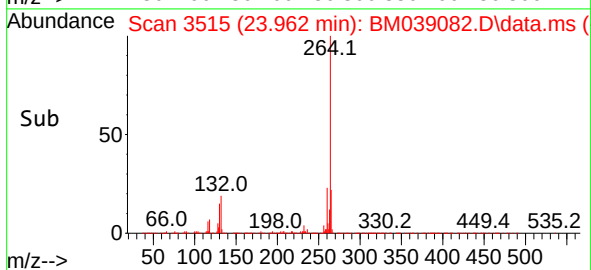
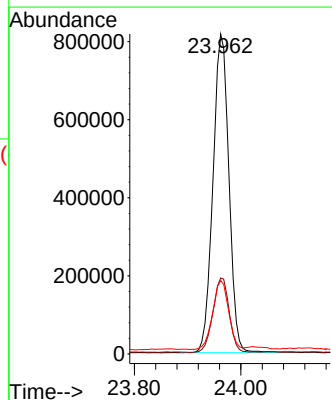
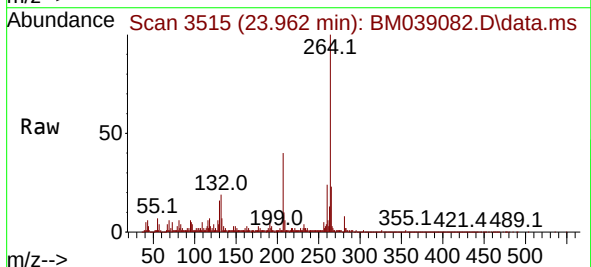
Instrument :
BNA_M
ClientSampleId :
DAHMER-ROCKY-SOIL

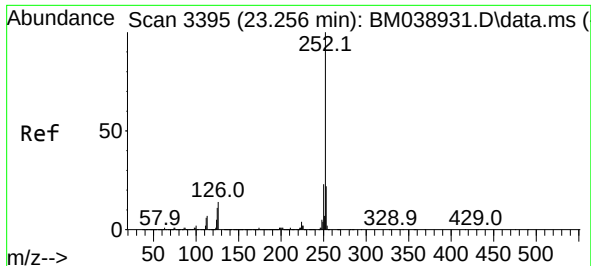
Tgt Ion:149 Resp: 3739
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 0.0 7.4 11.2#



#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

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

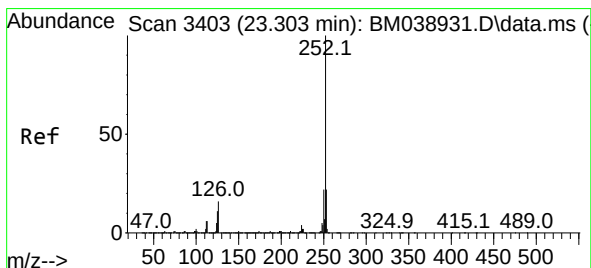
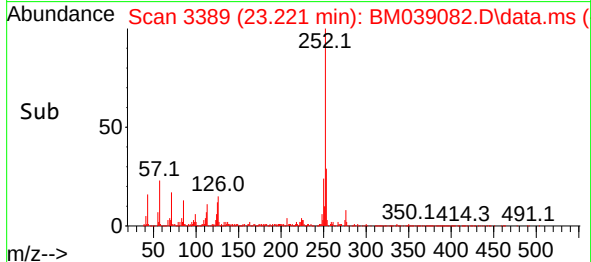
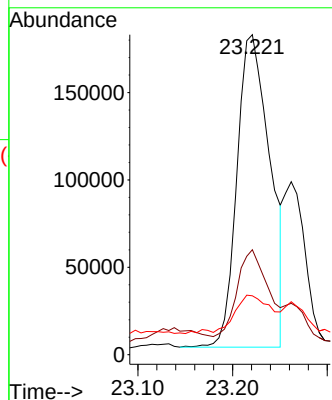
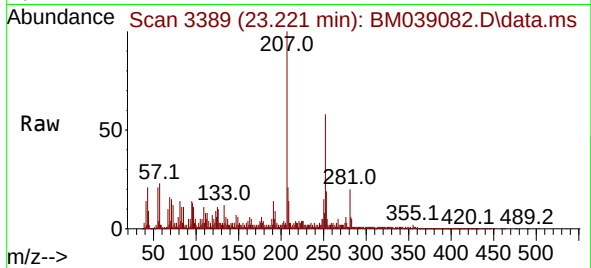




#88
Benzo(b)fluoranthene
Concen: 4.001 ng
RT: 23.221 min Scan# 3389
Delta R.T. -0.000 min
Lab File: BM039082.D
Acq: 21 Mar 2023 23:22

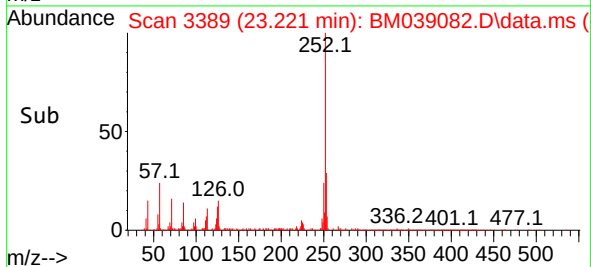
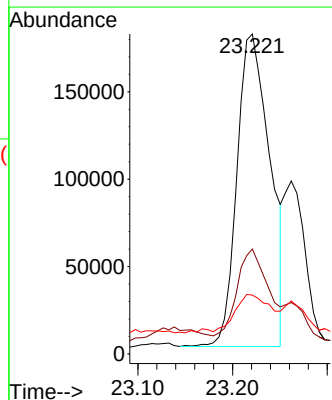
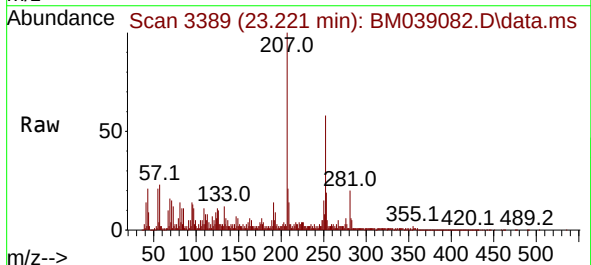
Instrument :
BNA_M
ClientSampleId :
DAHMER-ROCKY-SOIL

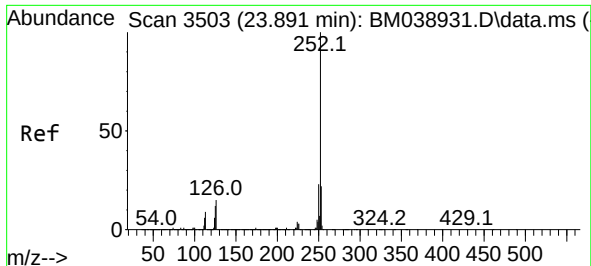
Tgt Ion:252 Resp: 433712
Ion Ratio Lower Upper
252 100
253 32.8 17.6 26.4#
125 18.4 8.8 13.2#



#89
Benzo(k)fluoranthene
Concen: 3.844 ng
RT: 23.221 min Scan# 3389
Delta R.T. -0.047 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 17.5 26.3#
125 18.4 8.9 13.3#

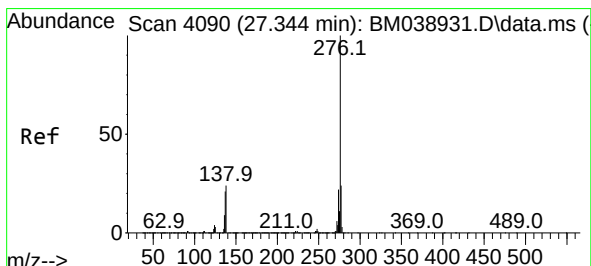
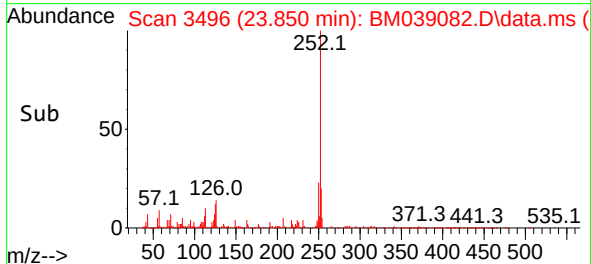
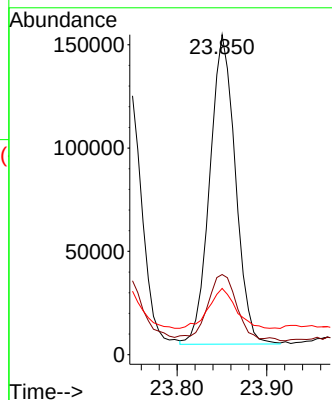
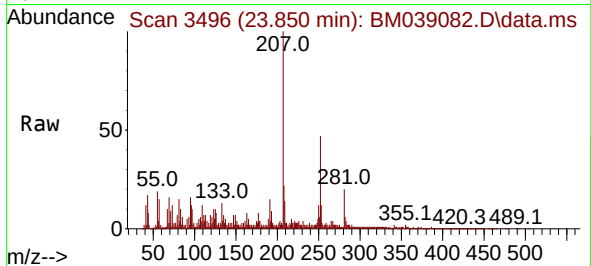




#90
Benzo(a)pyrene
Concen: 2.838 ng
RT: 23.850 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM039082.D
Acq: 21 Mar 2023 23:22

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#



#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

