

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032123\
 Data File : BM039074.D
 Acq On : 21 Mar 2023 18:19
 Operator : CG/JU
 Sample : 02018-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DAHMER-ROCKY-SOIL

Quant Time: Mar 22 03:42:40 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)

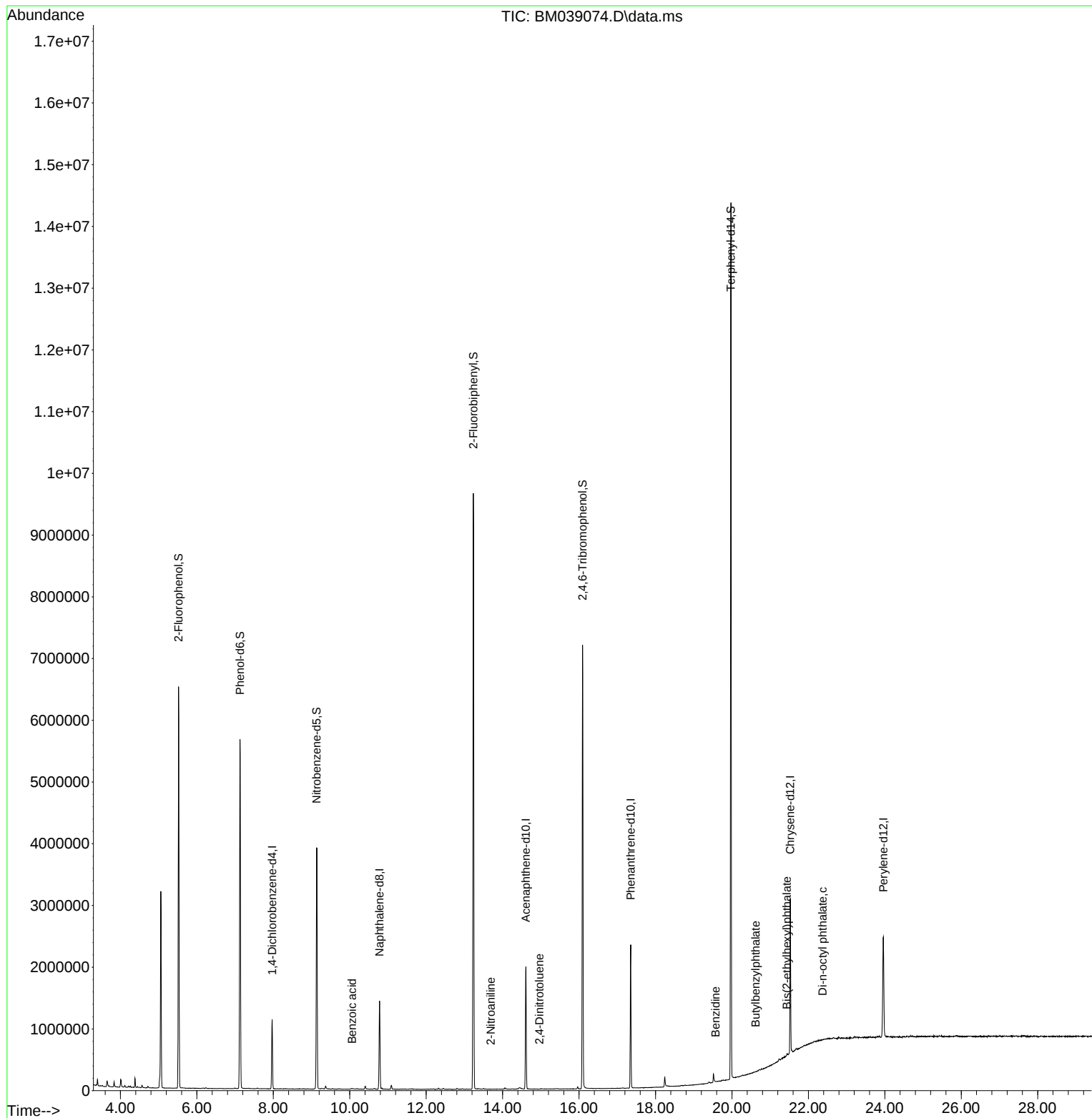
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	291412	20.000	ng	0.00
21) Naphthalene-d8	10.780	136	1149243	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	659774	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1309671	20.000	ng	0.00
76) Chrysene-d12	21.527	240	1096309	20.000	ng	0.00
86) Perylene-d12	23.962	264	1170578	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	2755741	143.672	ng	0.00
7) Phenol-d6	7.128	99	3273152	131.378	ng	0.00
23) Nitrobenzene-d5	9.133	82	2263594	96.751	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	1237533	162.139	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	4791229	94.536	ng	0.00
79) Terphenyl-d14	19.974	244	6550518	109.244	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.057	122	2292	5.879	ng	# 79
48) 2-Nitroaniline	13.692	65	345	2.240	ng	# 6
57) 2,4-Dinitrotoluene	14.963	165	87	2.077	ng	# 24
77) Benzidine	19.568	184	111	4.880	ng	# 1
80) Butylbenzylphthalate	20.621	149	372	3.326	ng	93
84) Bis(2-ethylhexyl)phtha...	21.439	149	7821	2.632	ng	# 90
85) Di-n-octyl phthalate	22.374	149	1416	3.812	ng	# 53

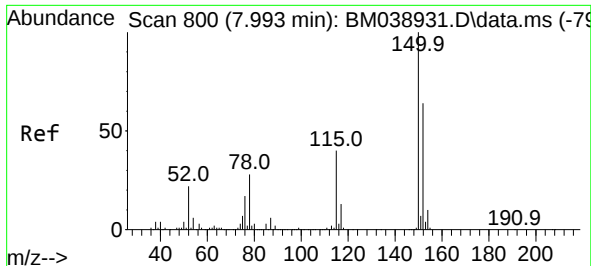
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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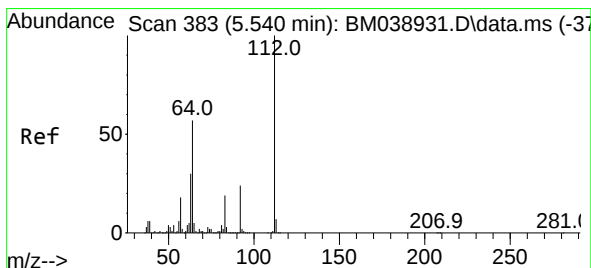
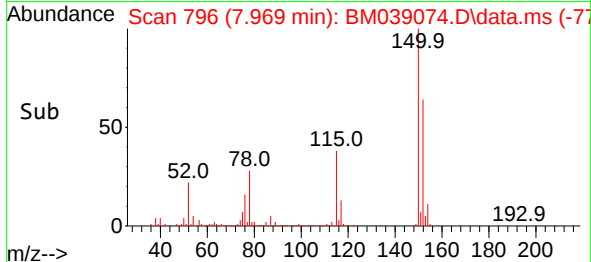
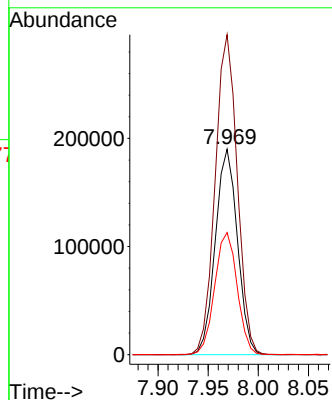
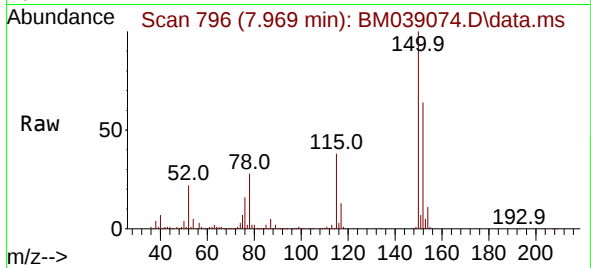




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 79
Delta R.T. -0.000 min
Lab File: BM039074.D
Acq: 21 Mar 2023 18:19

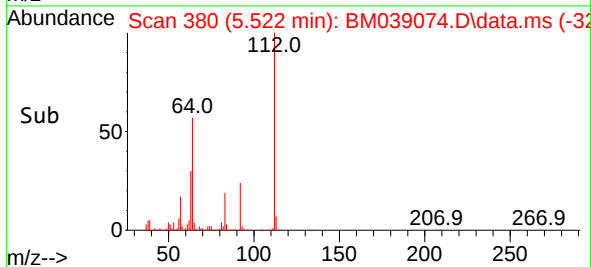
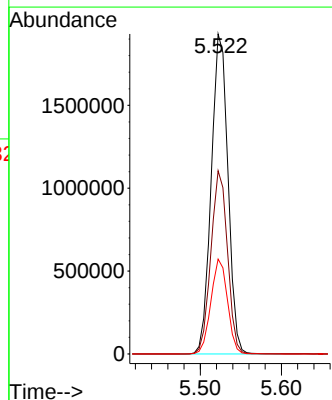
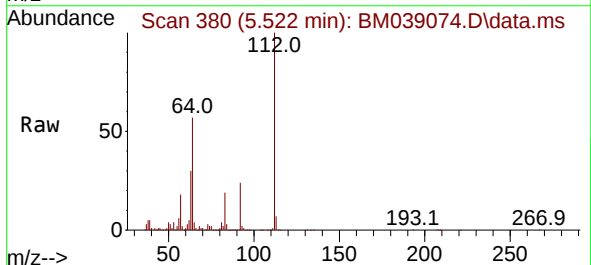
Instrument :
BNA_M
ClientSampleId :
DAHMER-ROCKY-SOIL

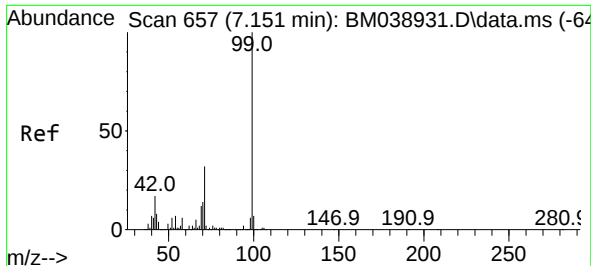
Tgt Ion:152 Resp: 291412
Ion Ratio Lower Upper
152 100
150 155.7 125.1 187.7
115 59.4 49.6 74.4



#5
2-Fluorophenol
Concen: 143.672 ng
RT: 5.522 min Scan# 380
Delta R.T. -0.000 min
Lab File: BM039074.D
Acq: 21 Mar 2023 18:19

Tgt Ion:112 Resp: 2755741
Ion Ratio Lower Upper
112 100
64 57.3 45.9 68.9
63 29.6 23.8 35.8

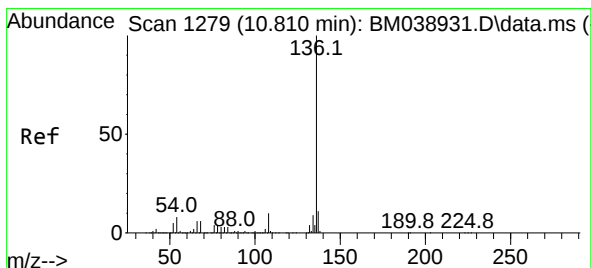
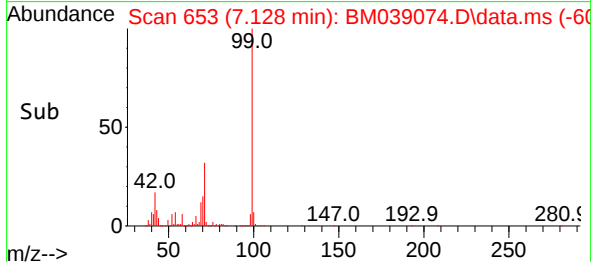
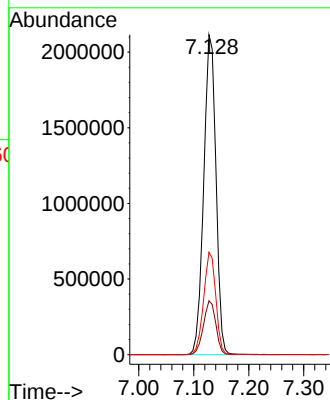
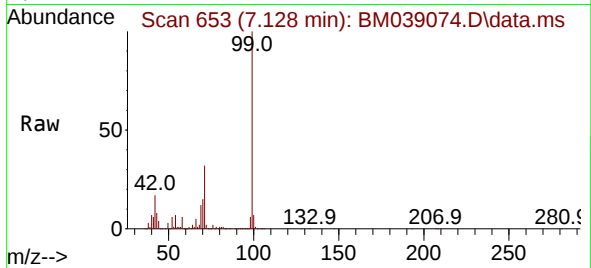




#7
Phenol-d6
Concen: 131.378 ng
RT: 7.128 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM039074.D
Acq: 21 Mar 2023 18:19

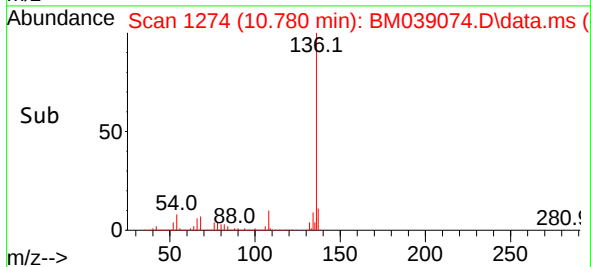
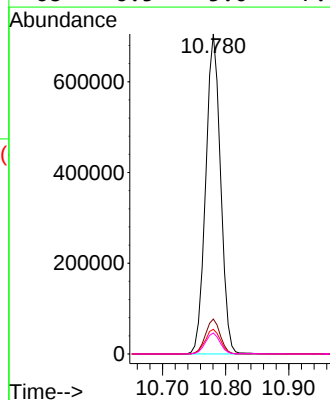
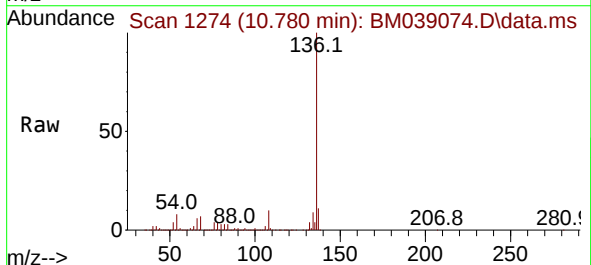
Instrument :
BNA_M
ClientSampleId :
DAHMER-ROCKY-SOIL

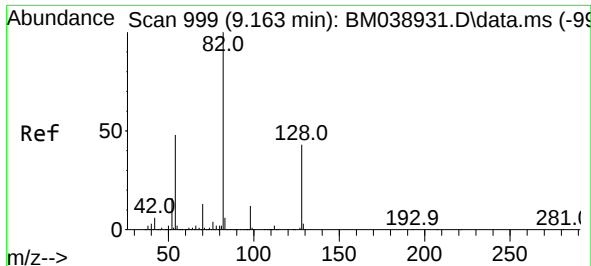
Tgt Ion: 99 Resp: 3273152
Ion Ratio Lower Upper
99 100
42 16.9 13.5 20.3
71 32.0 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.780 min Scan# 1274
Delta R.T. -0.000 min
Lab File: BM039074.D
Acq: 21 Mar 2023 18:19

Tgt Ion: 136 Resp: 1149243
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.7 6.3 9.5
68 6.5 5.0 7.6

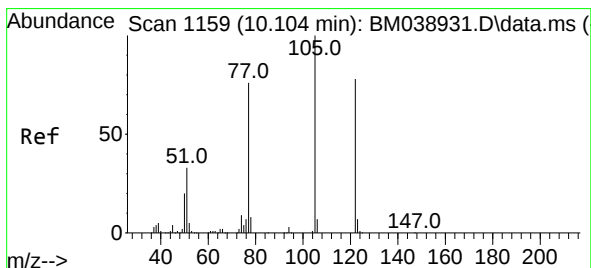
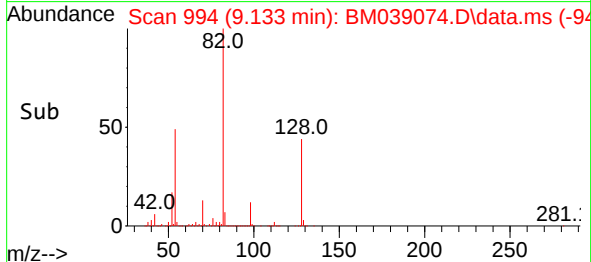
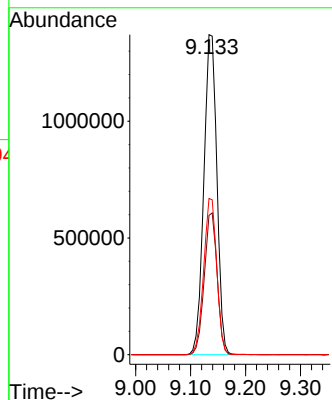
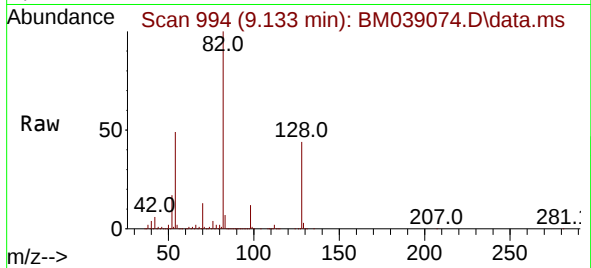




#23
Nitrobenzene-d5
Concen: 96.751 ng
RT: 9.133 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM039074.D
Acq: 21 Mar 2023 18:19

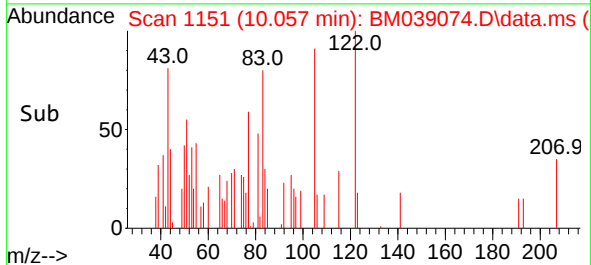
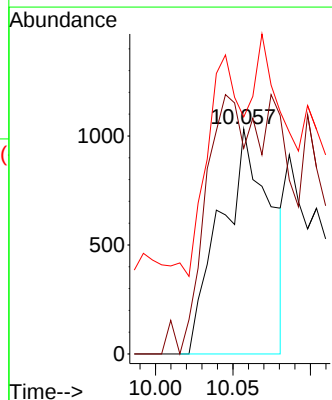
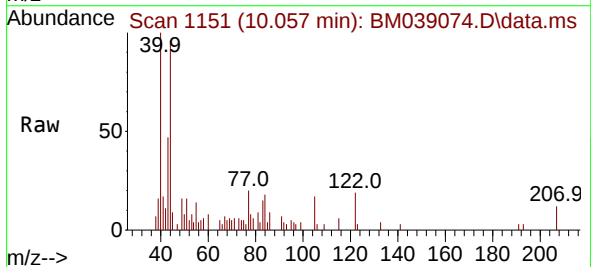
Instrument :
BNA_M
ClientSampleId :
DAHMER-ROCKY-SOIL

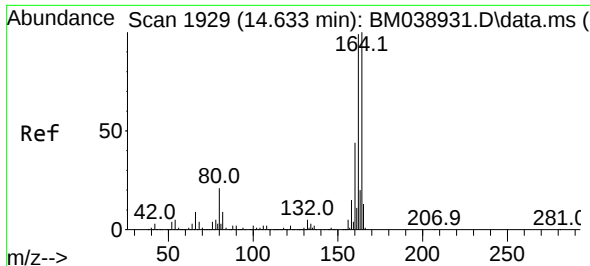
Tgt Ion: 82 Resp: 2263594
Ion Ratio Lower Upper
82 100
128 43.5 34.4 51.6
54 48.8 38.8 58.2



#32
Benzoic acid
Concen: 5.879 ng
RT: 10.057 min Scan# 1151
Delta R.T. -0.029 min
Lab File: BM039074.D
Acq: 21 Mar 2023 18:19

Tgt Ion: 122 Resp: 2292
Ion Ratio Lower Upper
122 100
105 91.4 104.2 144.2#
77 105.3 75.1 115.1

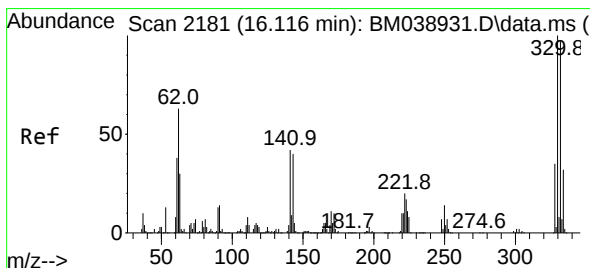
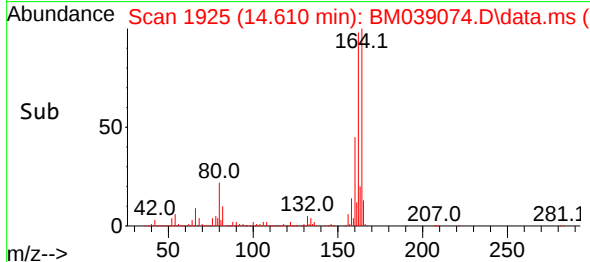
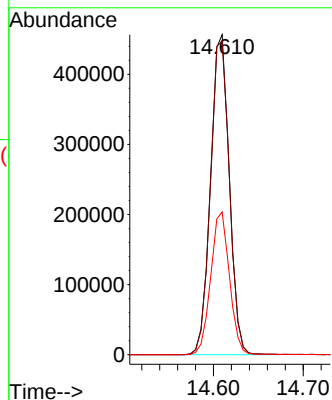
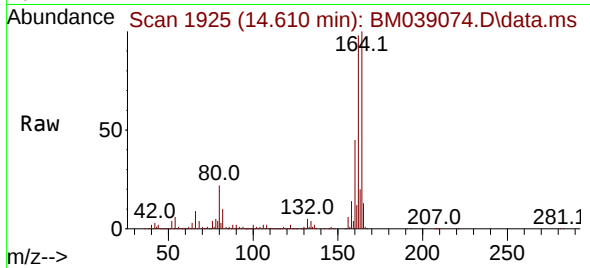




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1925
Delta R.T. -0.000 min
Lab File: BM039074.D
Acq: 21 Mar 2023 18:19

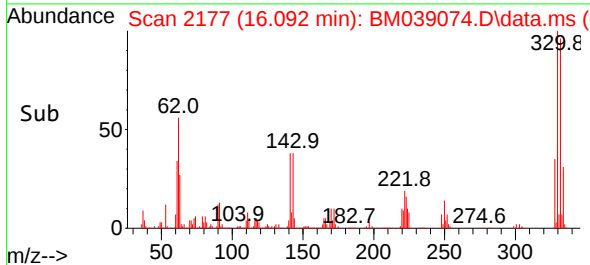
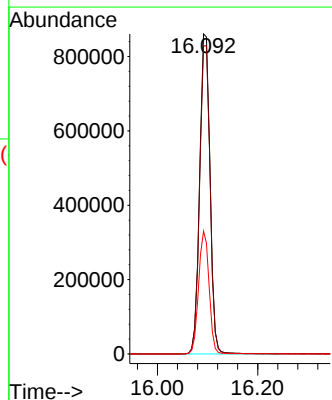
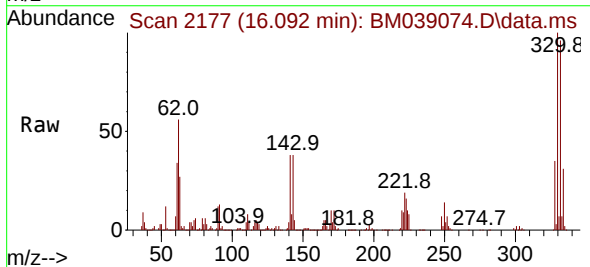
Instrument :
BNA_M
ClientSampleId :
DAHMER-ROCKY-SOIL

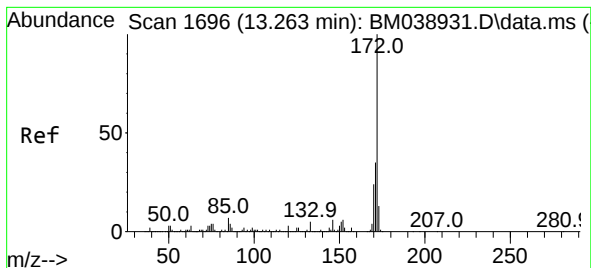
Tgt Ion:164 Resp: 659774
Ion Ratio Lower Upper
164 100
162 97.9 79.2 118.8
160 44.6 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 162.139 ng
RT: 16.092 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BM039074.D
Acq: 21 Mar 2023 18:19

Tgt Ion:330 Resp: 1237533
Ion Ratio Lower Upper
330 100
332 96.8 77.4 116.0
141 38.6 32.2 48.4





#45

2-Fluorobiphenyl

Concen: 94.536 ng

RT: 13.233 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM039074.D

Acq: 21 Mar 2023 18:19

Instrument :

BNA_M

ClientSampleId :

DAHMER-ROCKY-SOIL

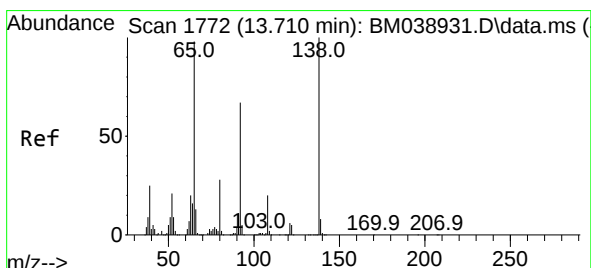
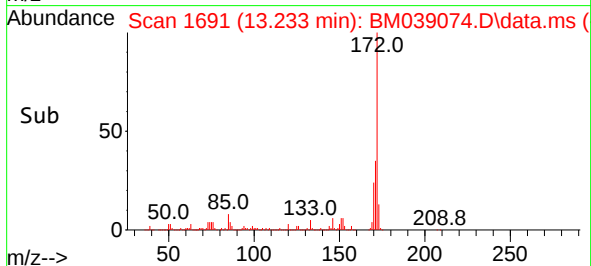
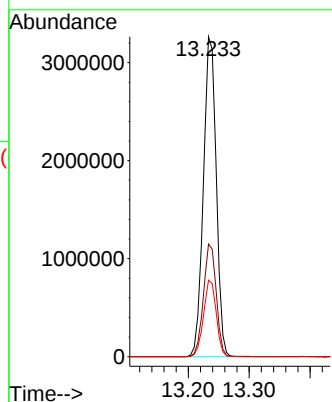
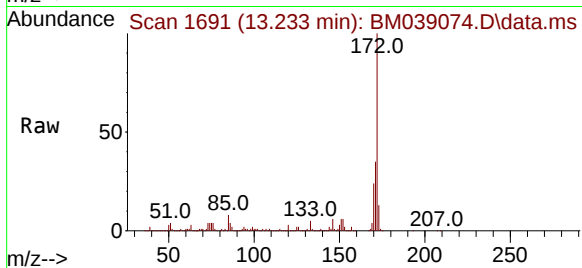
Tgt Ion:172 Resp: 4791229

Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.2

170 23.9 19.1 28.7



#48

2-Nitroaniline

Concen: 2.240 ng

RT: 13.692 min Scan# 1769

Delta R.T. -0.000 min

Lab File: BM039074.D

Acq: 21 Mar 2023 18:19

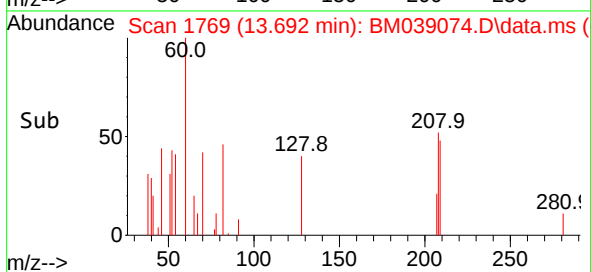
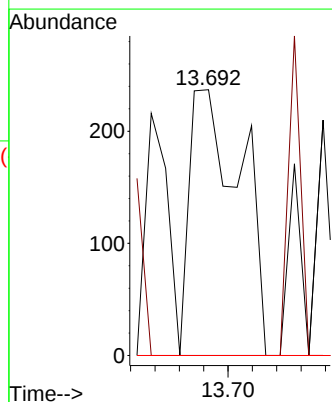
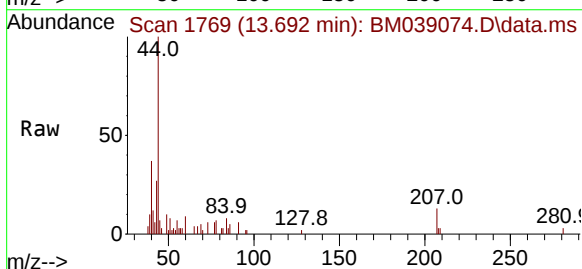
Tgt Ion: 65 Resp: 345

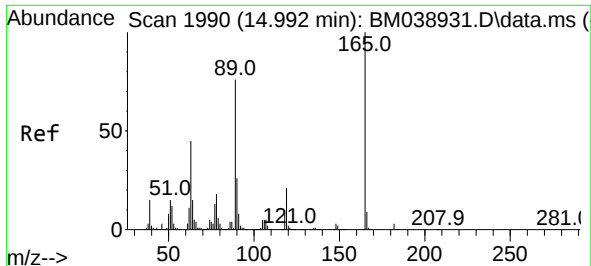
Ion Ratio Lower Upper

65 100

92 0.0 54.9 82.3#

138 0.0 81.6 122.4#

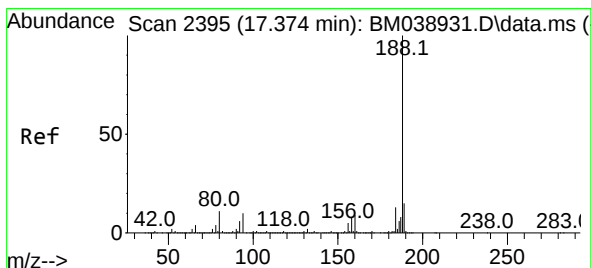
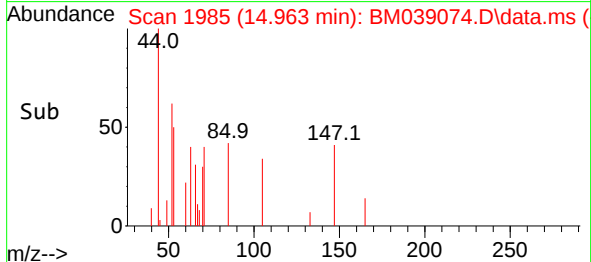
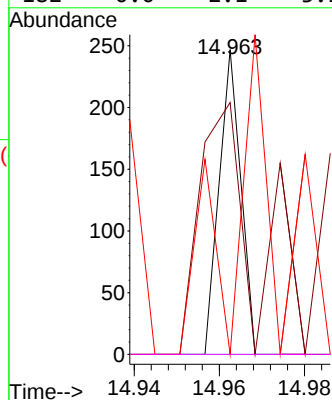
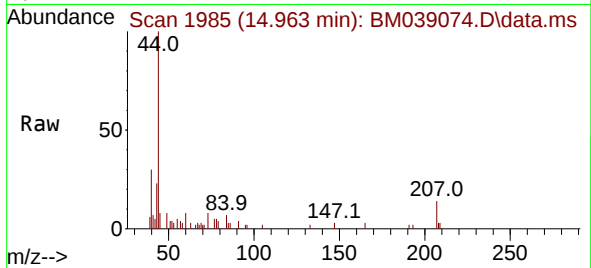




#57
2,4-Dinitrotoluene
Concen: 2.077 ng
RT: 14.963 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BM039074.D
Acq: 21 Mar 2023 18:19

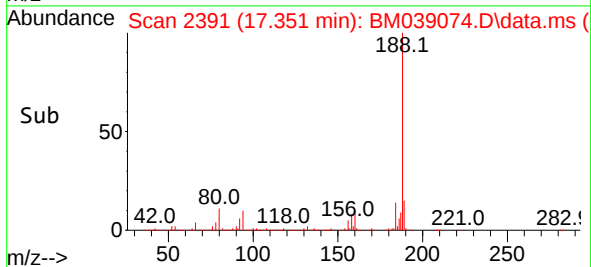
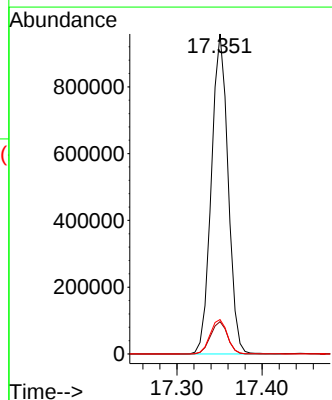
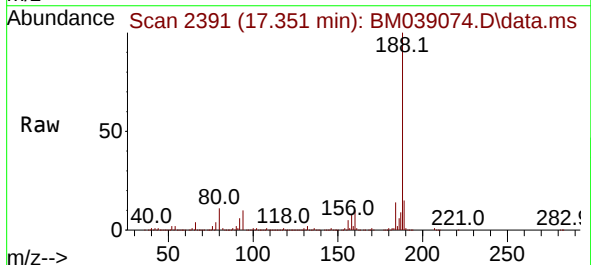
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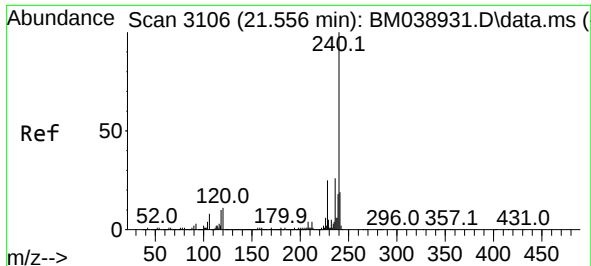
Tgt Ion:165 Resp: 87
Ion Ratio Lower Upper
165 100
63 82.6 35.9 53.9#
89 0.0 61.0 91.6#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 2391
Delta R.T. -0.000 min
Lab File: BM039074.D
Acq: 21 Mar 2023 18:19

Tgt Ion:188 Resp: 1309671
Ion Ratio Lower Upper
188 100
94 10.1 7.9 11.9
80 10.8 8.5 12.7

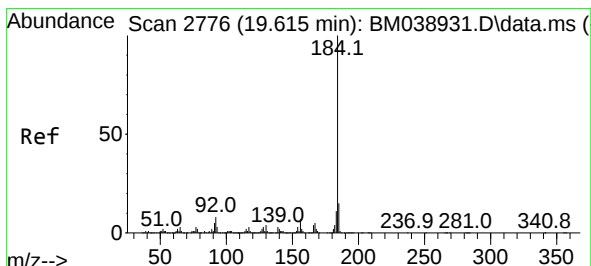
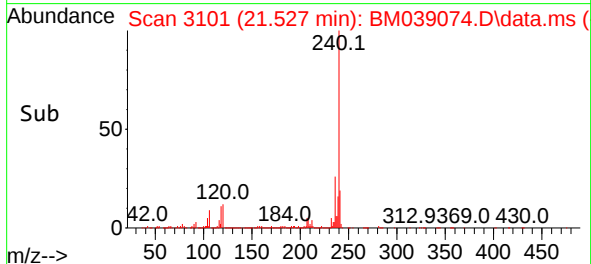
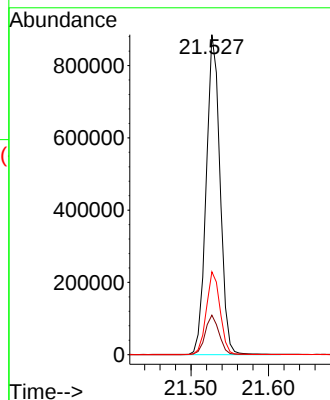
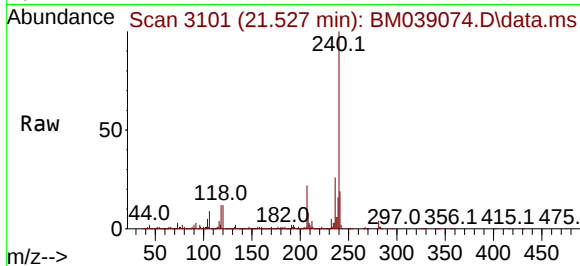




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.527 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039074.D
Acq: 21 Mar 2023 18:19

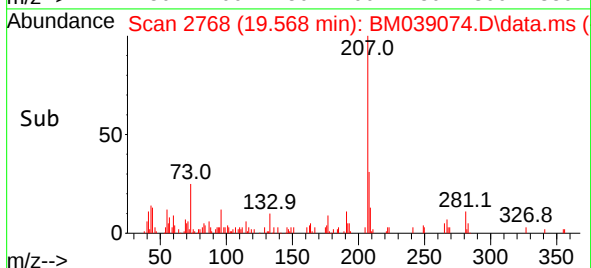
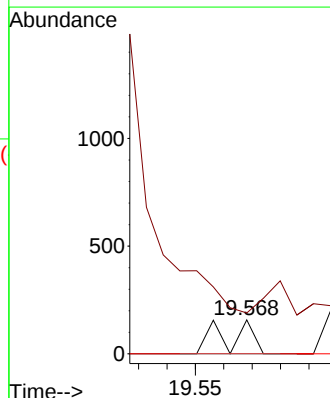
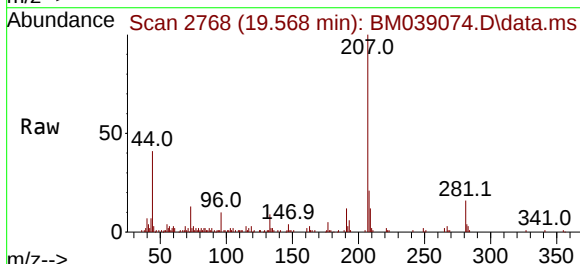
Instrument :
BNA_M
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DAHMER-ROCKY-SOIL

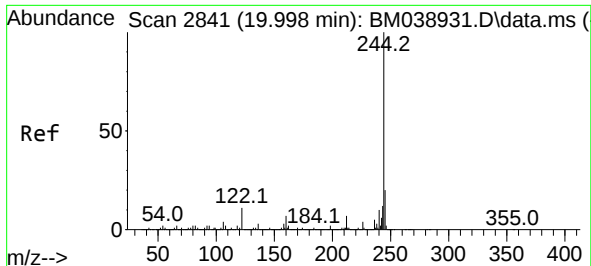
Tgt Ion:240 Resp: 1096309
Ion Ratio Lower Upper
240 100
120 12.4 9.2 13.8
236 25.9 20.8 31.2



#77
Benzidine
Concen: 4.880 ng
RT: 19.568 min Scan# 2768
Delta R.T. -0.024 min
Lab File: BM039074.D
Acq: 21 Mar 2023 18:19

Tgt Ion:184 Resp: 111
Ion Ratio Lower Upper
184 100
185 120.3 12.2 18.4#
183 0.0 8.8 13.2#

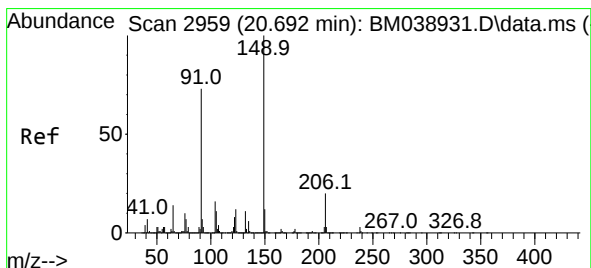
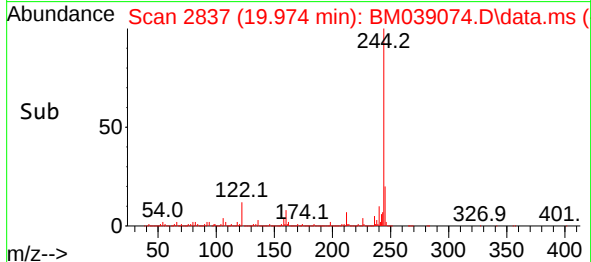
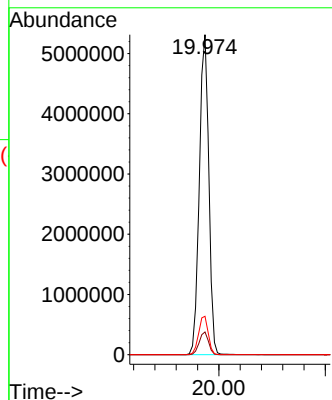
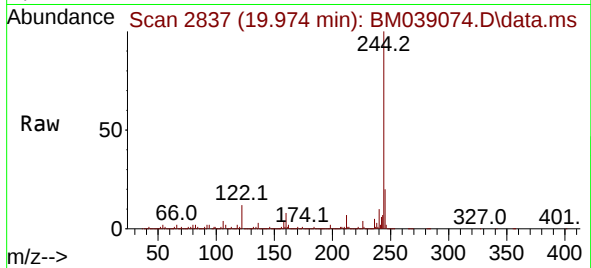




#79
 Terphenyl-d14
 Concen: 109.244 ng
 RT: 19.974 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BM039074.D
 Acq: 21 Mar 2023 18:19

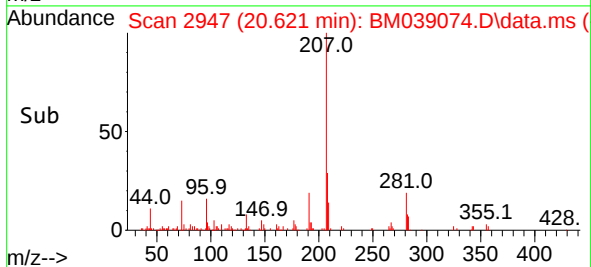
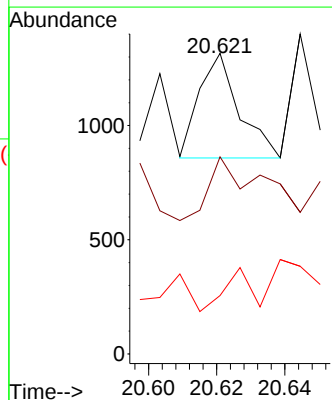
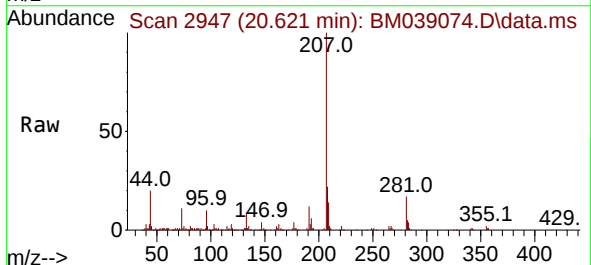
Instrument :
 BNA_M
 ClientSampleId :
 DAHMER-ROCKY-SOIL

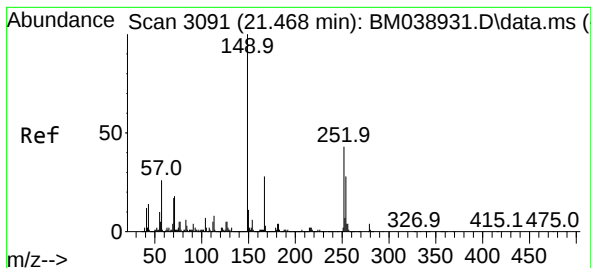
Tgt Ion:244 Resp: 6550518
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.5 8.3
 122 12.0 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 3.326 ng
 RT: 20.621 min Scan# 2947
 Delta R.T. -0.041 min
 Lab File: BM039074.D
 Acq: 21 Mar 2023 18:19

Tgt Ion:149 Resp: 372
 Ion Ratio Lower Upper
 149 100
 91 65.6 58.4 87.6
 206 19.5 16.1 24.1

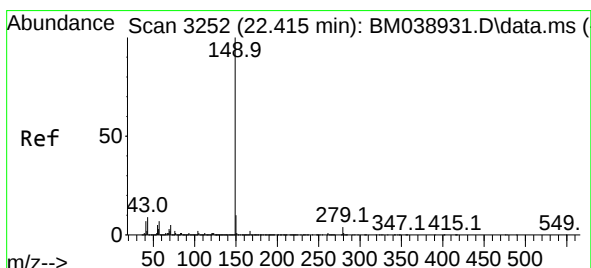
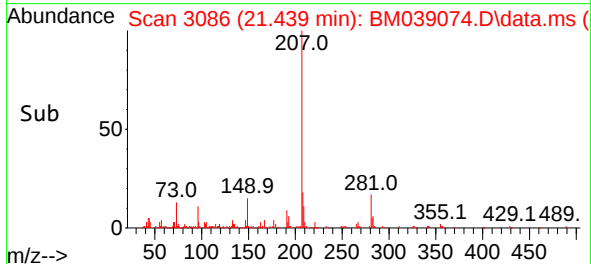
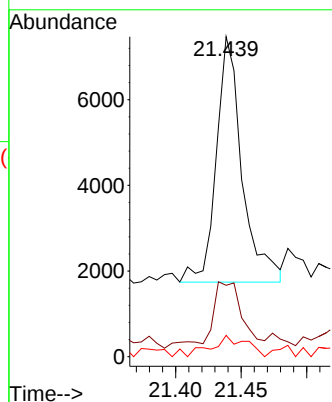
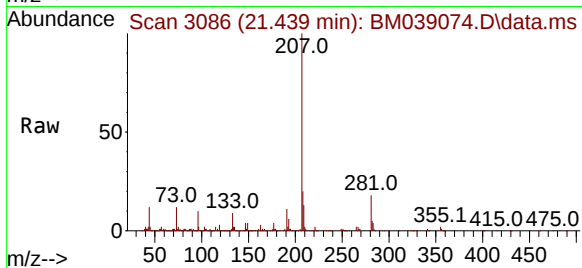




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.632 ng
RT: 21.439 min Scan# 3086
Delta R.T. -0.000 min
Lab File: BM039074.D
Acq: 21 Mar 2023 18:19

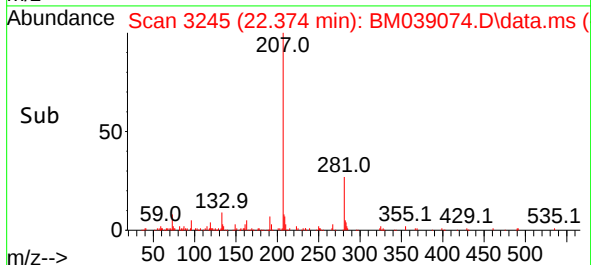
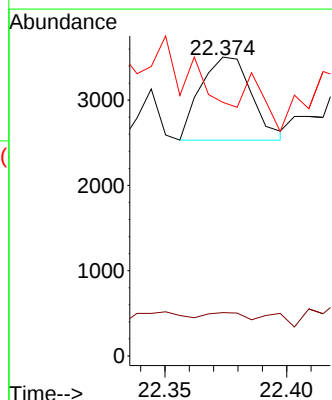
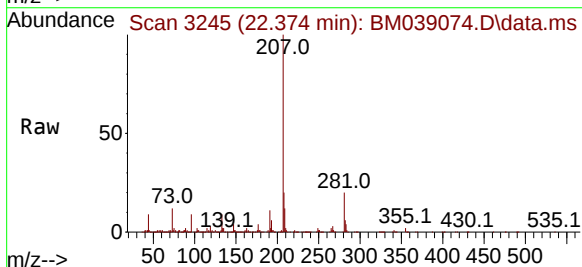
Instrument :
BNA_M
ClientSampleId :
DAHMER-ROCKY-SOIL

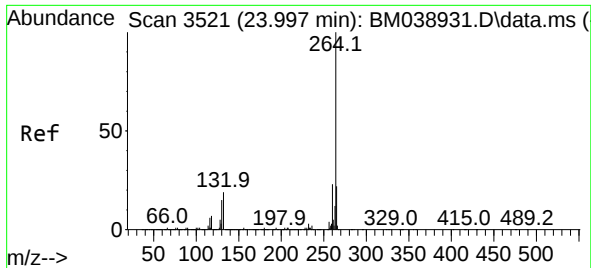
Tgt Ion:149 Resp: 7821
Ion Ratio Lower Upper
149 100
167 22.3 22.3 33.5#
279 6.7 3.2 4.8#



#85
Di-n-octyl phthalate
Concen: 3.812 ng
RT: 22.374 min Scan# 3245
Delta R.T. -0.000 min
Lab File: BM039074.D
Acq: 21 Mar 2023 18:19

Tgt Ion:149 Resp: 1416
Ion Ratio Lower Upper
149 100
167 21.6 1.2 1.8#
43 26.1 7.4 11.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.962 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM039074.D
Acq: 21 Mar 2023 18:19

Instrument :
BNA_M
ClientSampleId :
DAHMER-ROCKY-SOIL

Tgt Ion:264 Resp: 1170578

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	22.3	17.9	26.9

