

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080923\
 Data File : BG058661.D
 Acq On : 9 Aug 2023 16:35
 Operator : MA/JU
 Sample : 03931-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DAYTON-SOIL1

Quant Time: Aug 09 17:24:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 22:29:07 2023
 Response via : Initial Calibration

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

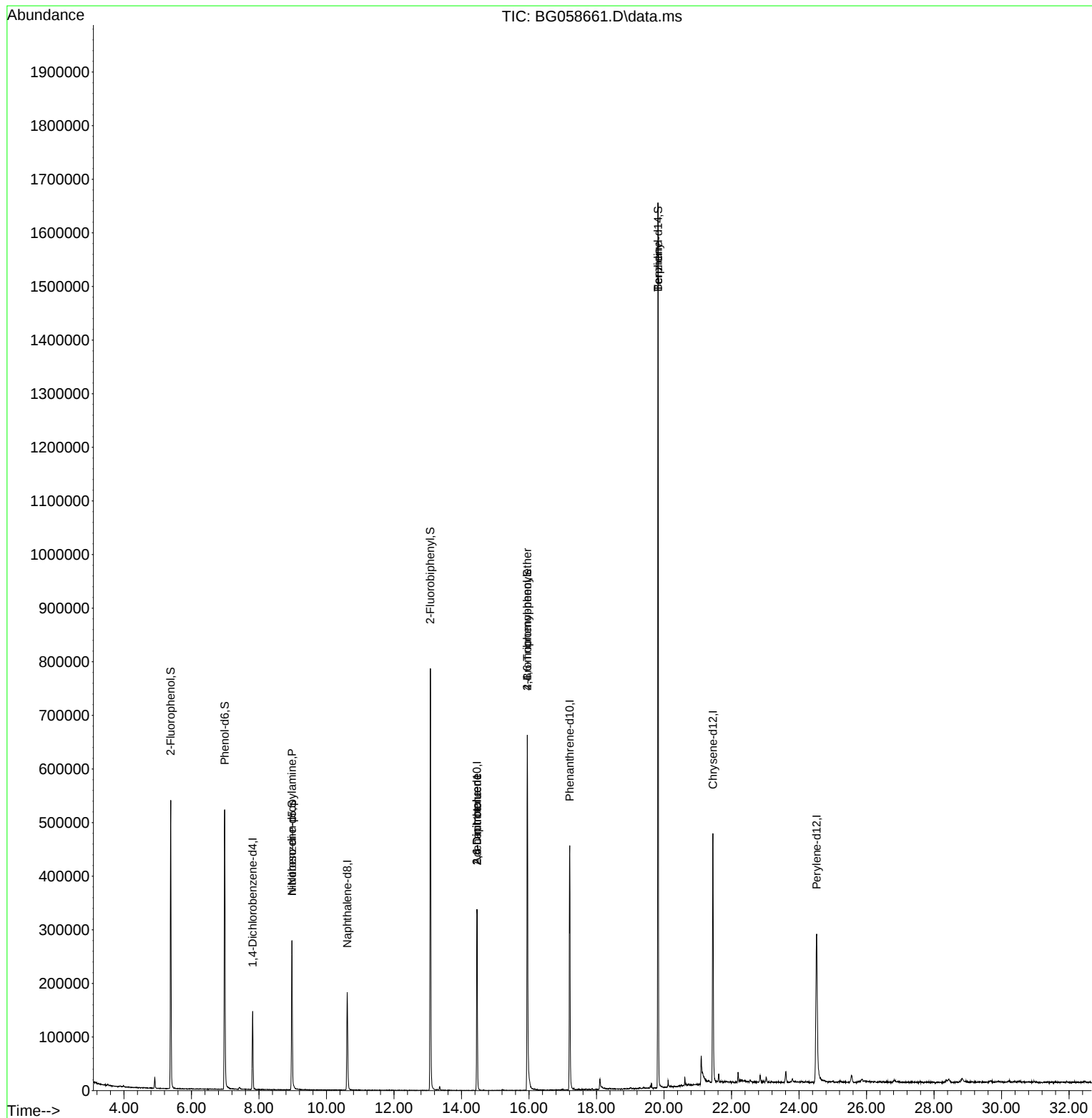
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.812	152	39991	20.000	ng	0.00
21) Naphthalene-d8	10.614	136	172508	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	131379	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	331046	20.000	ng	0.00
76) Chrysene-d12	21.449	240	297885	20.000	ng	0.00
86) Perylene-d12	24.522	264	353778	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.385	112	227851	87.085	ng	0.00
7) Phenol-d6	6.983	99	325229	89.331	ng	0.00
23) Nitrobenzene-d5	8.975	82	183344	52.211	ng	0.00
42) 2,4,6-Tribromophenol	15.949	330	165503	76.857	ng	0.00
45) 2-Fluorobiphenyl	13.076	172	459006	52.357	ng	0.00
79) Terphenyl-d14	19.821	244	890388	56.210	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	8.975	70	23086	9.817	ng	# 77
51) 2,6-Dinitrotoluene	14.457	165	16441	7.594	ng	# 22
57) 2,4-Dinitrotoluene	14.457	165	16441	5.478	ng	# 23
67) 4-Bromophenyl-phenylether	15.949	248	9693	2.582	ng	# 1
77) Benzidine	19.821	184	10882	2.409	ng	# 93

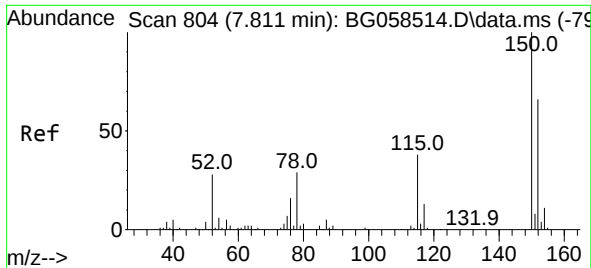
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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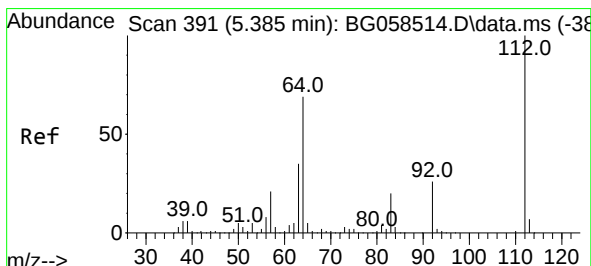
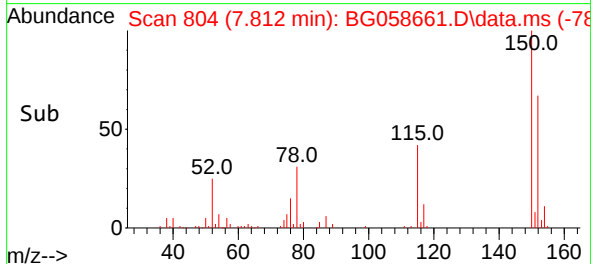
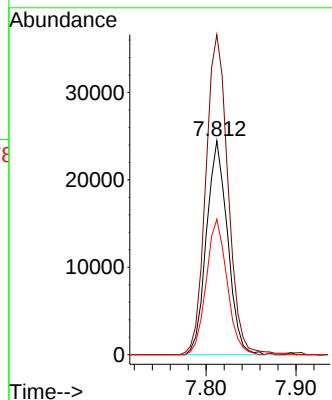
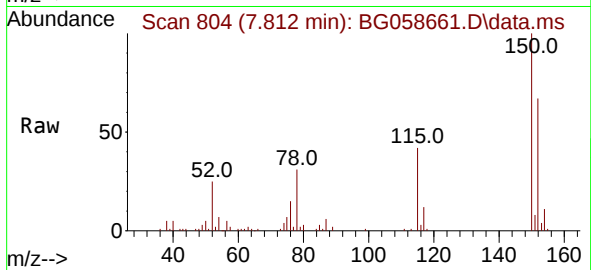




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.812 min Scan# 804
Delta R.T. 0.001 min
Lab File: BG058661.D
Acq: 9 Aug 2023 16:35

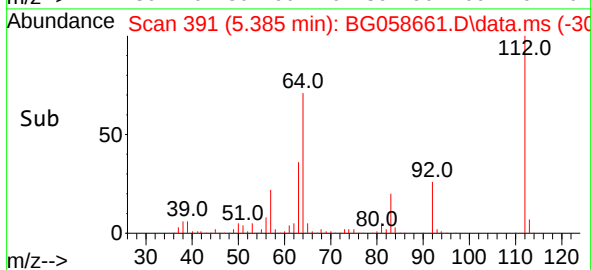
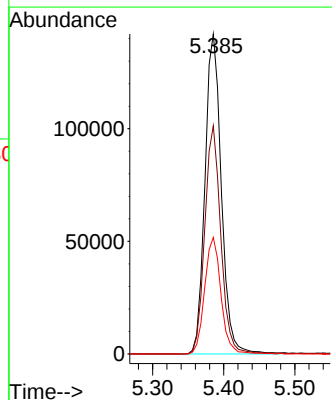
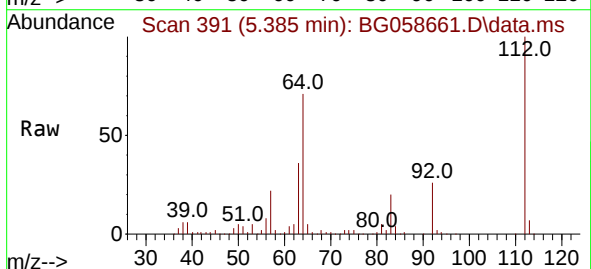
Instrument :
BNA_G
ClientSampleId :
DAYTON-SOIL1

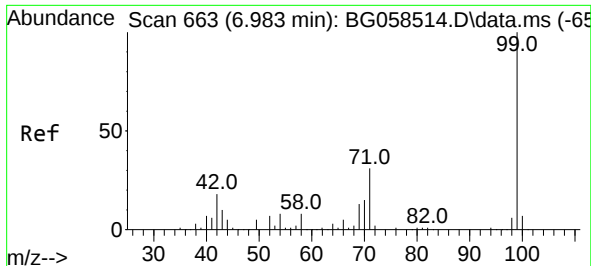
Tgt Ion:152 Resp: 39991
Ion Ratio Lower Upper
152 100
150 149.5 120.5 180.7
115 63.3 45.9 68.9



#5
2-Fluorophenol
Concen: 87.085 ng
RT: 5.385 min Scan# 391
Delta R.T. 0.001 min
Lab File: BG058661.D
Acq: 9 Aug 2023 16:35

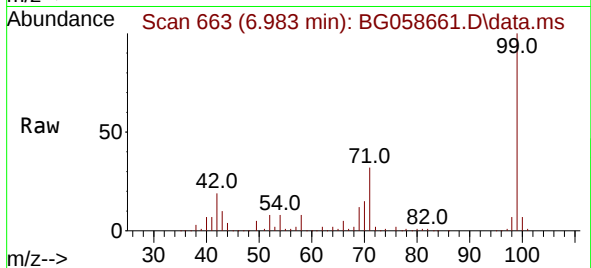
Tgt Ion:112 Resp: 227851
Ion Ratio Lower Upper
112 100
64 71.3 55.3 82.9
63 36.4 28.3 42.5



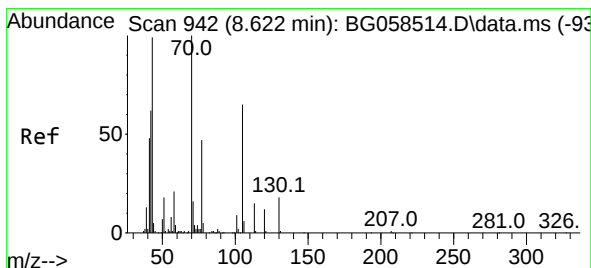
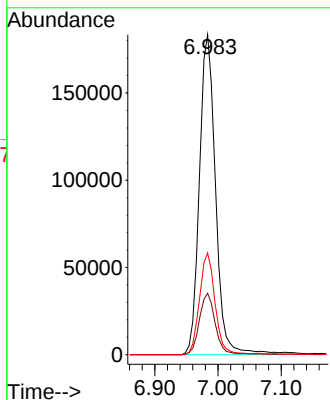
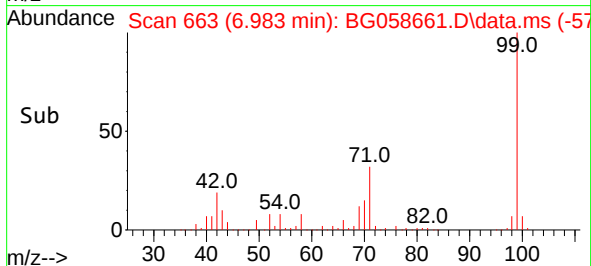


#7
Phenol-d6
Concen: 89.331 ng
RT: 6.983 min Scan# 60
Delta R.T. 0.001 min
Lab File: BG058661.D
Acq: 9 Aug 2023 16:35

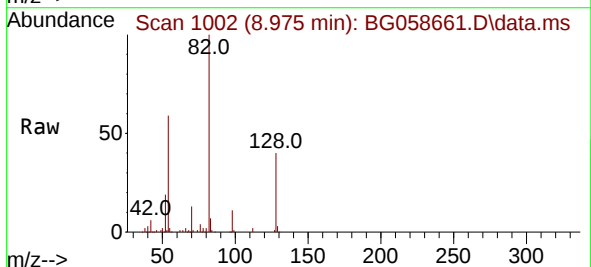
Instrument :
BNA_G
ClientSampleId :
DAYTON-SOIL1



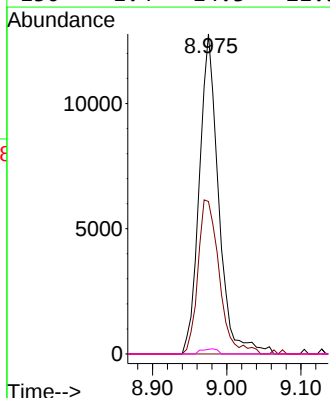
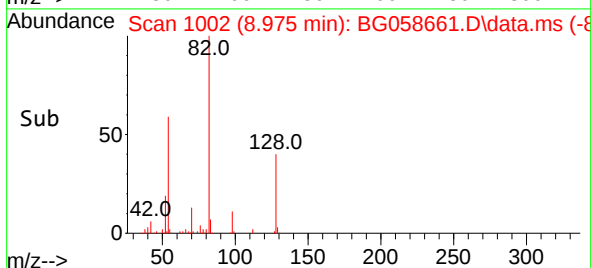
Tgt Ion: 99 Resp: 325229
Ion Ratio Lower Upper
99 100
42 19.2 14.6 21.8
71 31.8 25.0 37.4

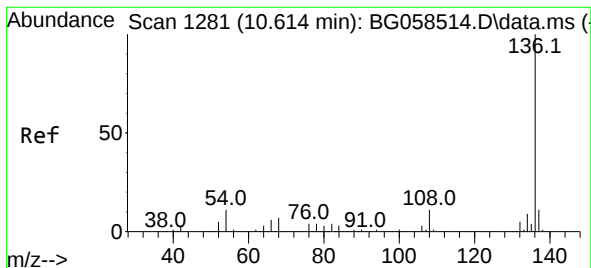


#19
n-Nitroso-di-n-propylamine
Concen: 9.817 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.353 min
Lab File: BG058661.D
Acq: 9 Aug 2023 16:35



Tgt Ion: 70 Resp: 23086
Ion Ratio Lower Upper
70 100
42 47.7 49.7 74.5#
101 0.0 7.0 10.4#
130 1.4 14.3 21.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.614 min Scan# 1002

Delta R.T. 0.001 min

Lab File: BG058661.D

Acq: 9 Aug 2023 16:35

Instrument :

BNA_G

ClientSampleId :

DAYTON-SOIL1

Tgt Ion:136 Resp: 172508

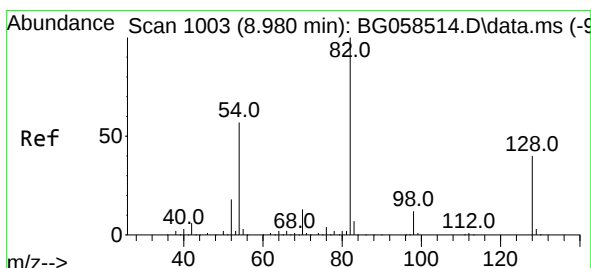
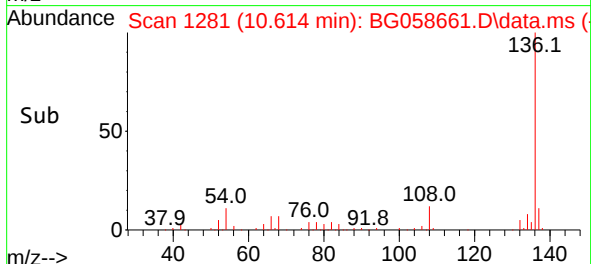
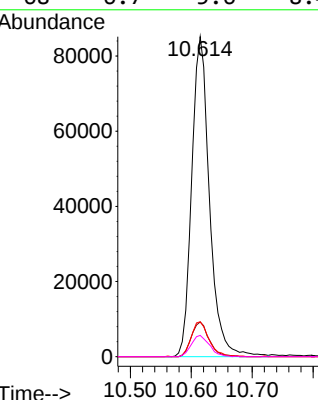
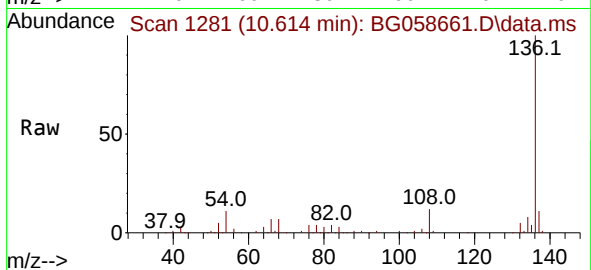
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 10.9 8.9 13.3

68 6.7 5.6 8.4



#23

Nitrobenzene-d5

Concen: 52.211 ng

RT: 8.975 min Scan# 1002

Delta R.T. -0.005 min

Lab File: BG058661.D

Acq: 9 Aug 2023 16:35

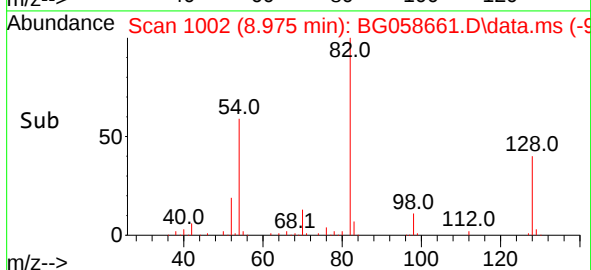
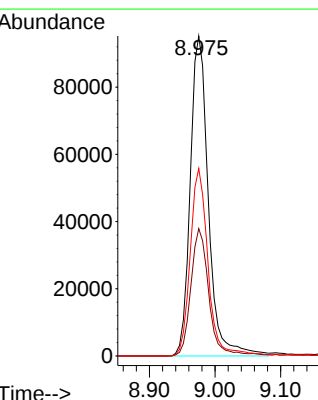
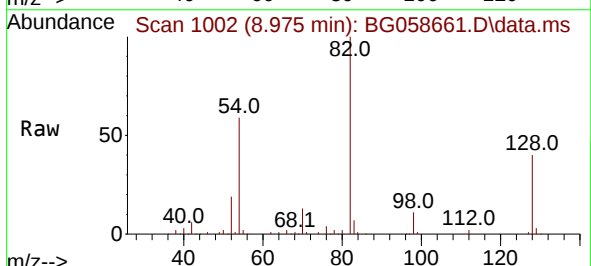
Tgt Ion: 82 Resp: 183344

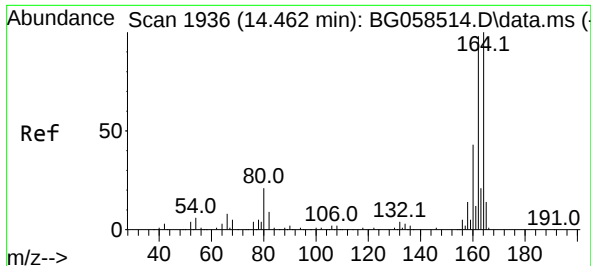
Ion Ratio Lower Upper

82 100

128 39.8 32.2 48.2

54 58.6 46.0 69.0

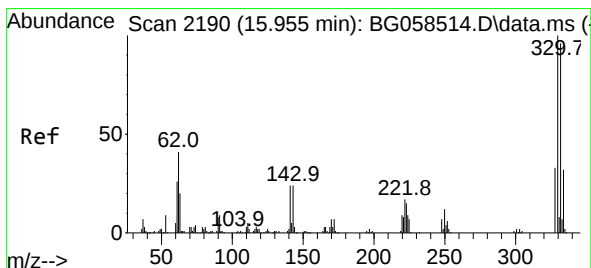
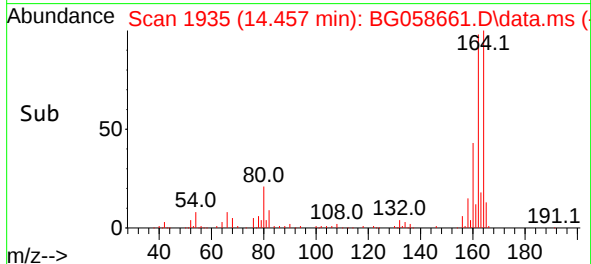
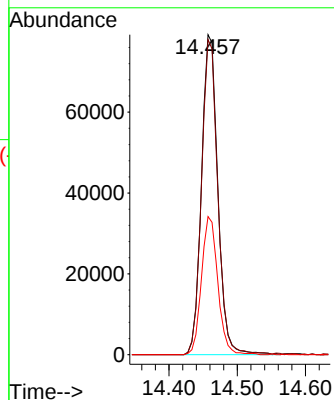
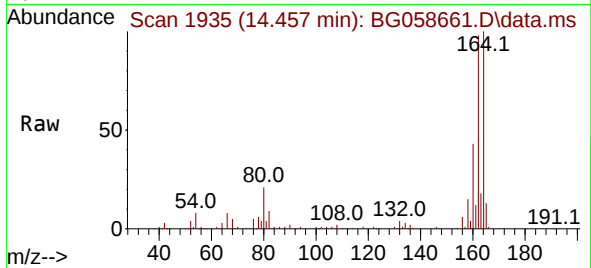




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1935
Delta R.T. -0.005 min
Lab File: BG058661.D
Acq: 9 Aug 2023 16:35

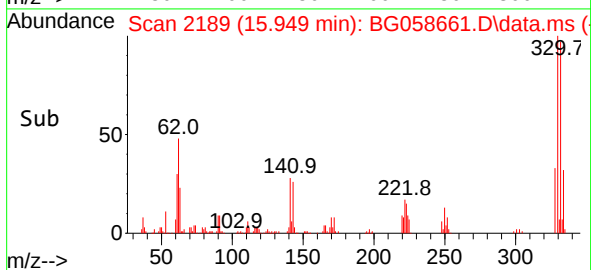
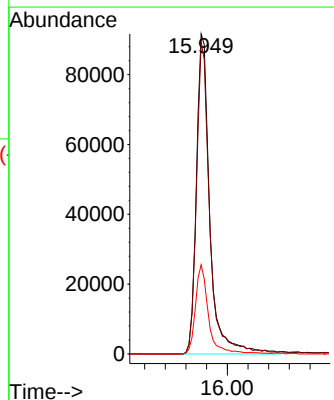
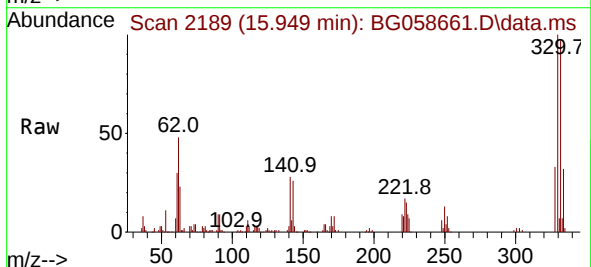
Instrument :
BNA_G
ClientSampleId :
DAYTON-SOIL1

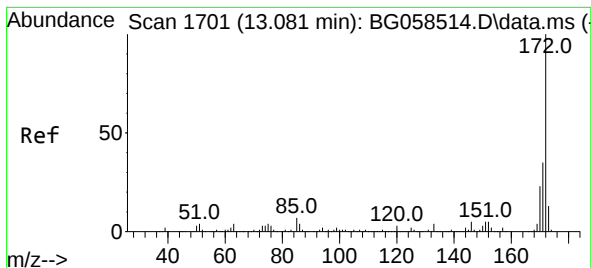
Tgt Ion:164 Resp: 131379
Ion Ratio Lower Upper
164 100
162 98.5 78.3 117.5
160 43.1 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 76.857 ng
RT: 15.949 min Scan# 2189
Delta R.T. -0.005 min
Lab File: BG058661.D
Acq: 9 Aug 2023 16:35

Tgt Ion:330 Resp: 165503
Ion Ratio Lower Upper
330 100
332 96.0 77.5 116.3
141 26.5 20.7 31.1

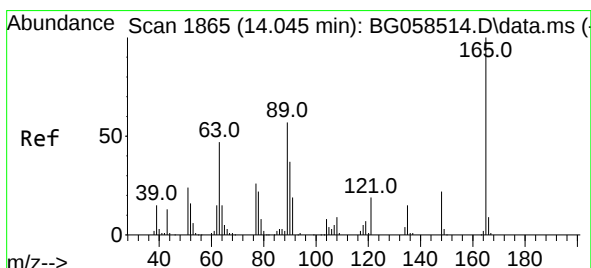
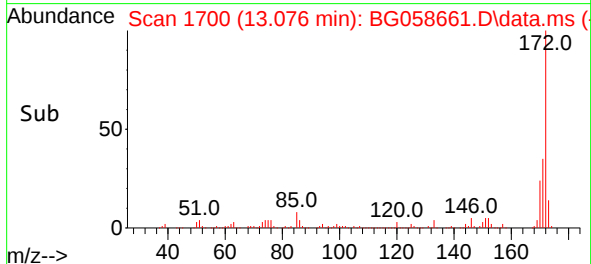
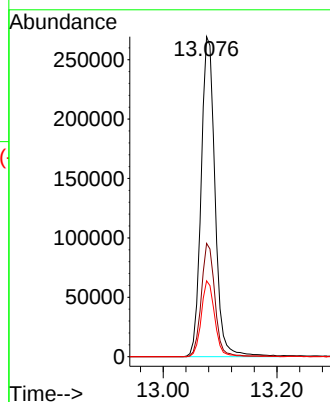
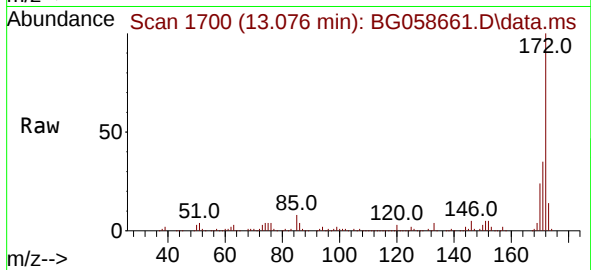




#45
2-Fluorobiphenyl
Concen: 52.357 ng
RT: 13.076 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG058661.D
Acq: 9 Aug 2023 16:35

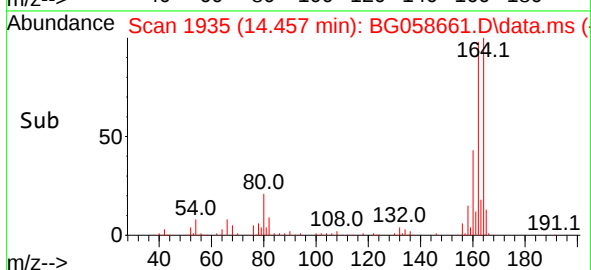
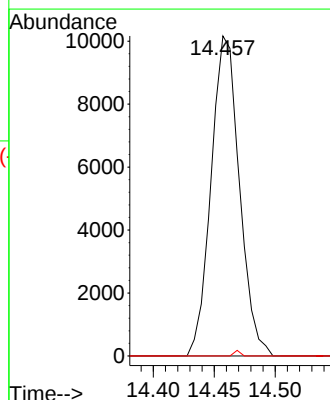
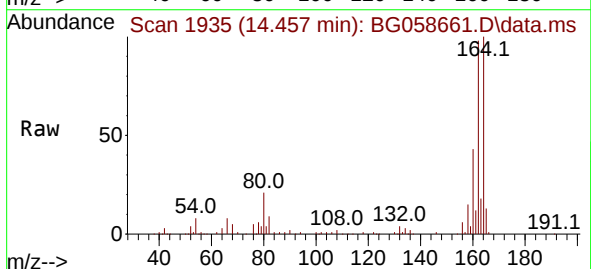
Instrument :
BNA_G
ClientSampleId :
DAYTON-SOIL1

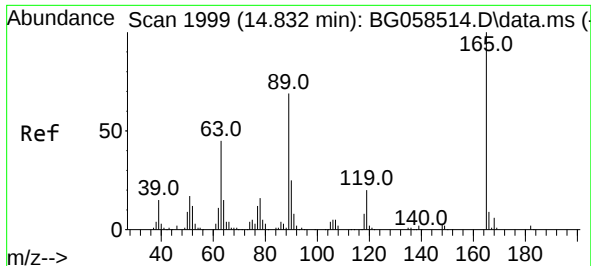
Tgt Ion:172 Resp: 459006
Ion Ratio Lower Upper
172 100
171 35.4 28.0 42.0
170 23.7 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 7.594 ng
RT: 14.457 min Scan# 1935
Delta R.T. 0.412 min
Lab File: BG058661.D
Acq: 9 Aug 2023 16:35

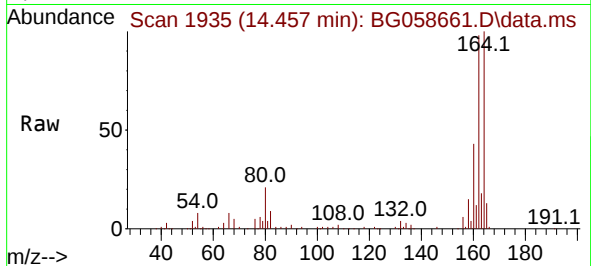
Tgt Ion:165 Resp: 16441
Ion Ratio Lower Upper
165 100
63 0.0 46.4 69.6#
89 0.0 45.3 67.9#



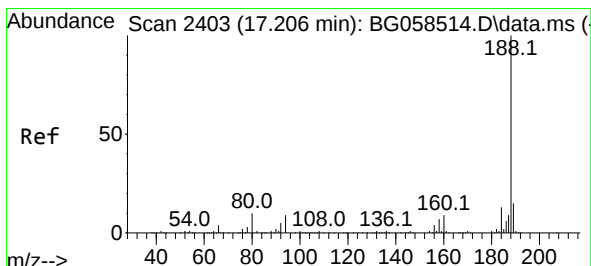
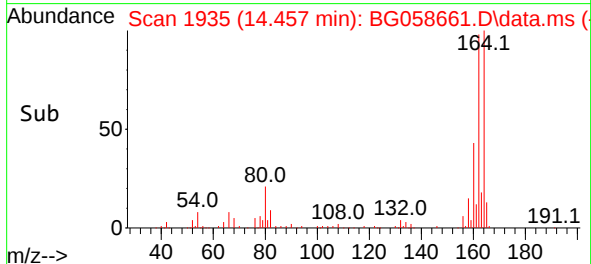
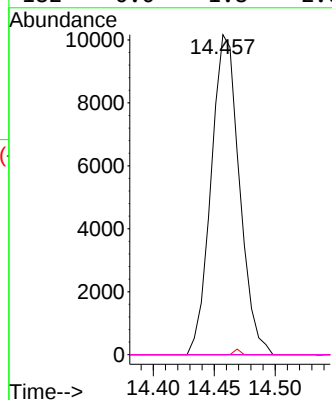


#57
2,4-Dinitrotoluene
Concen: 5.478 ng
RT: 14.457 min Scan# 1999
Delta R.T. -0.375 min
Lab File: BG058661.D
Acq: 9 Aug 2023 16:35

Instrument :
BNA_G
ClientSampleId :
DAYTON-SOIL1

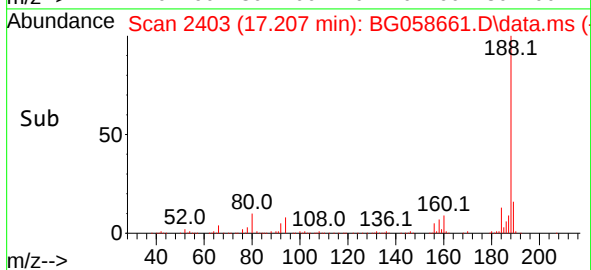
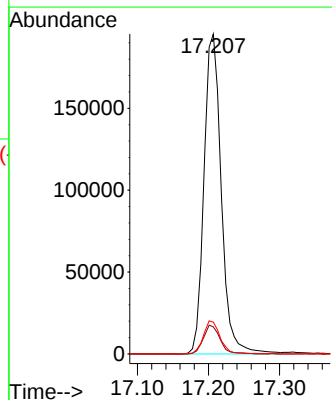
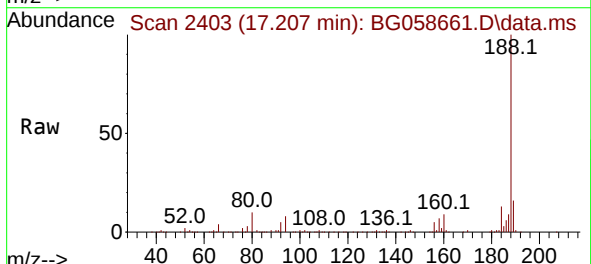


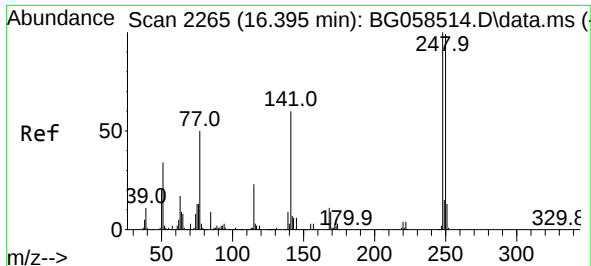
Tgt Ion:165 Resp: 16441
Ion Ratio Lower Upper
165 100
63 0.0 36.6 54.8#
89 0.0 55.4 83.0#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2403
Delta R.T. 0.001 min
Lab File: BG058661.D
Acq: 9 Aug 2023 16:35

Tgt Ion:188 Resp: 331046
Ion Ratio Lower Upper
188 100
94 8.5 7.0 10.6
80 10.0 8.1 12.1

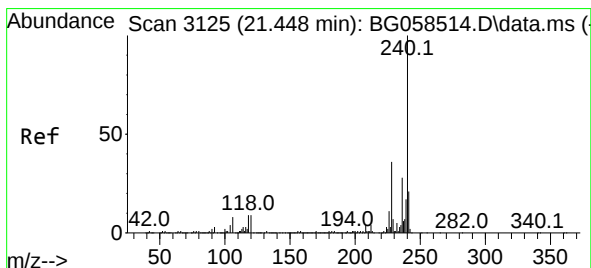
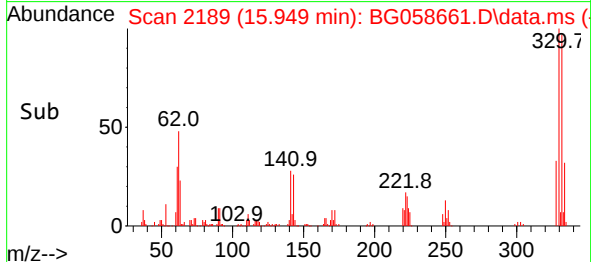
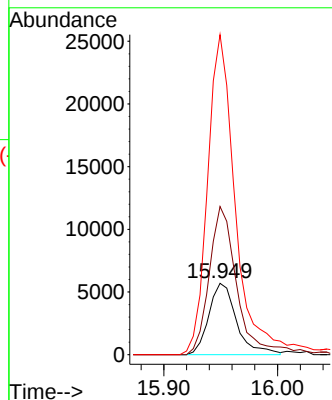
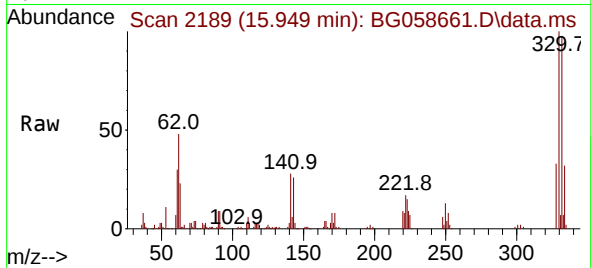




#67
4-Bromophenyl-phenylether
Concen: 2.582 ng
RT: 15.949 min Scan# 2189
Delta R.T. -0.446 min
Lab File: BG058661.D
Acq: 9 Aug 2023 16:35

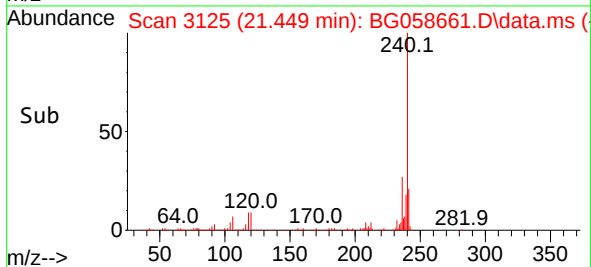
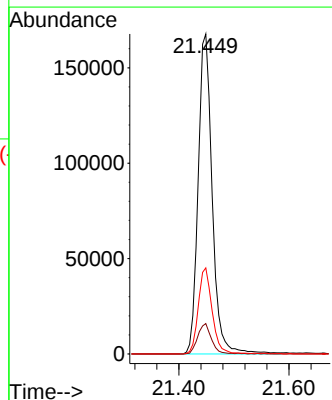
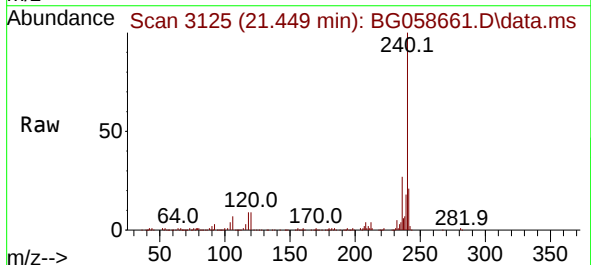
Instrument :
BNA_G
ClientSampleId :
DAYTON-SOIL1

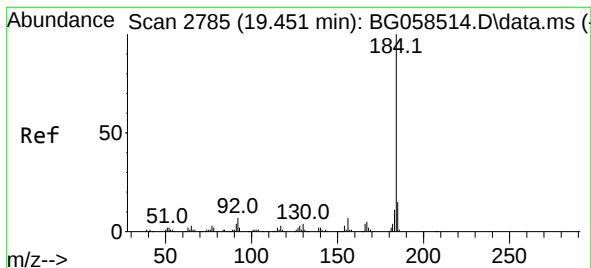
Tgt Ion:248 Resp: 9693
Ion Ratio Lower Upper
248 100
250 207.5 79.5 119.3#
141 448.3 48.2 72.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.449 min Scan# 3125
Delta R.T. 0.001 min
Lab File: BG058661.D
Acq: 9 Aug 2023 16:35

Tgt Ion:240 Resp: 297885
Ion Ratio Lower Upper
240 100
120 9.5 7.4 11.0
236 26.9 22.2 33.4





#77

Benzidine

Concen: 2.409 ng

RT: 19.821 min Scan# 2848

Delta R.T. 0.371 min

Lab File: BG058661.D

Acq: 9 Aug 2023 16:35

Instrument :

BNA_G

ClientSampleId :

DAYTON-SOIL1

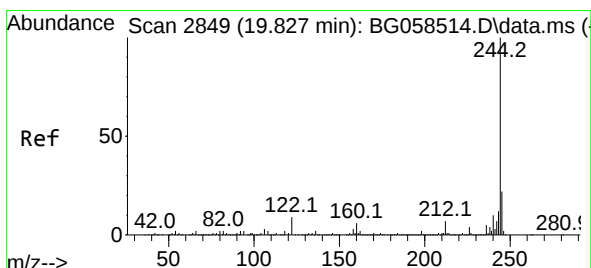
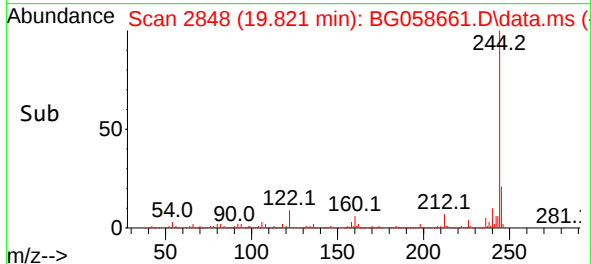
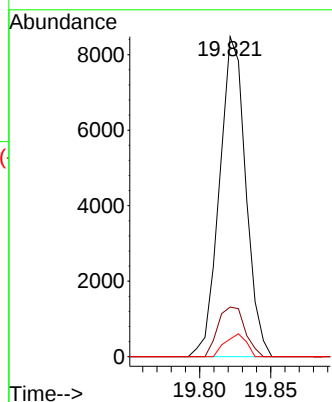
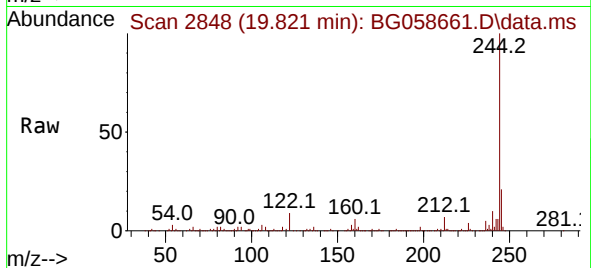
Tgt Ion:184 Resp: 10882

Ion Ratio Lower Upper

184 100

185 15.5 11.9 17.9

183 5.5 8.7 13.1#



#79

Terphenyl-d14

Concen: 56.210 ng

RT: 19.821 min Scan# 2848

Delta R.T. -0.005 min

Lab File: BG058661.D

Acq: 9 Aug 2023 16:35

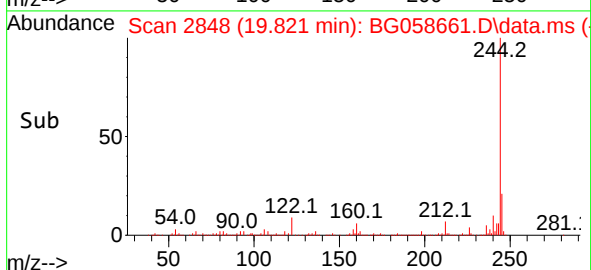
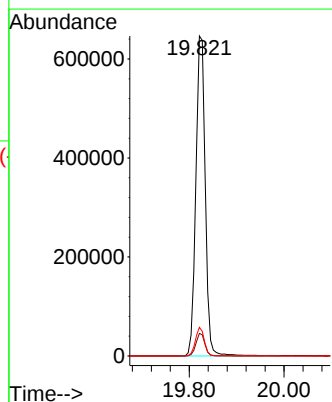
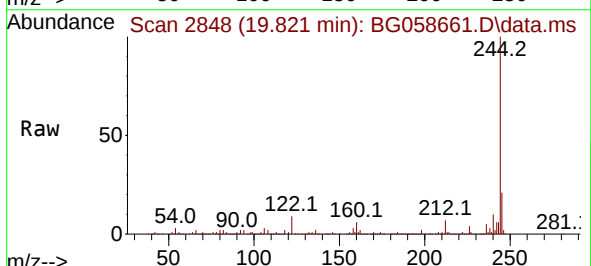
Tgt Ion:244 Resp: 890388

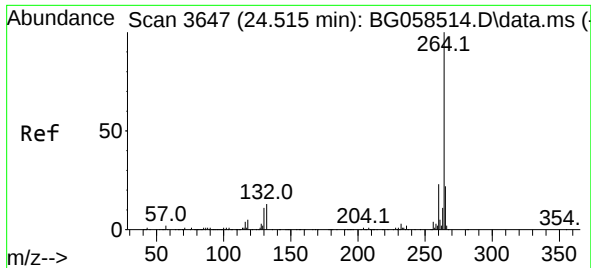
Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 8.9 6.8 10.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.522 min Scan# 30
 Delta R.T. 0.007 min
 Lab File: BG058661.D
 Acq: 9 Aug 2023 16:35

Instrument :
 BNA_G
 ClientSampleId :
 DAYTON-SOIL1

Tgt Ion:264 Resp: 353778
 Ion Ratio Lower Upper
 264 100
 260 21.1 18.4 27.6
 265 19.8 17.9 26.9

