

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080923\
 Data File : BG058662.D
 Acq On : 9 Aug 2023 17:17
 Operator : MA/JU
 Sample : 03931-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DAYTON-SOIL2

Quant Time: Aug 09 18:07:58 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)

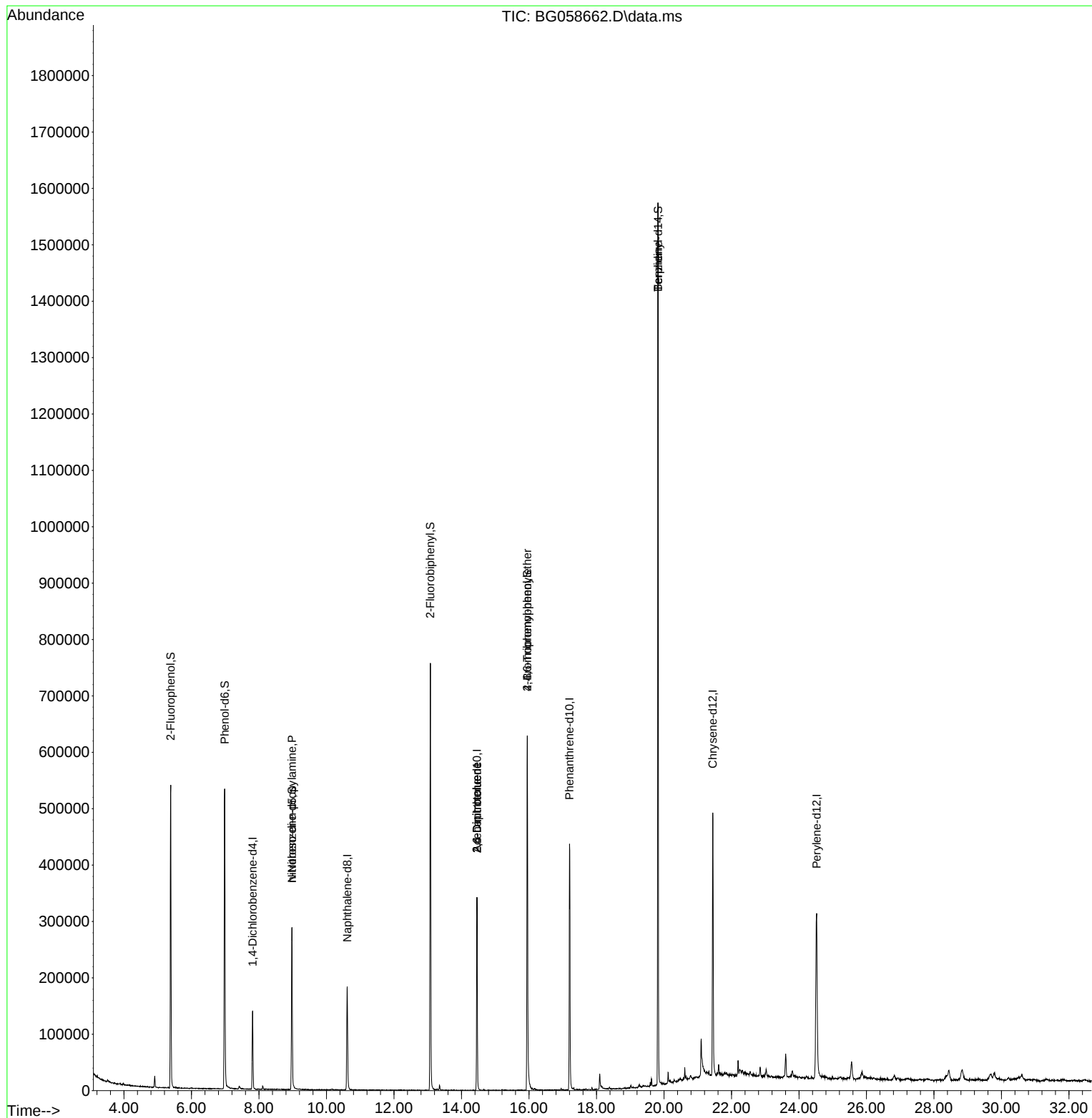
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.813	152	39451	20.000	ng	0.00
21) Naphthalene-d8	10.616	136	169133	20.000	ng	0.00
39) Acenaphthene-d10	14.458	164	125505	20.000	ng	0.00
64) Phenanthrene-d10	17.202	188	314172	20.000	ng	0.00
76) Chrysene-d12	21.444	240	289608	20.000	ng	0.00
86) Perylene-d12	24.523	264	350216	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	231072	89.525	ng	0.00
7) Phenol-d6	6.985	99	321814	89.603	ng	0.00
23) Nitrobenzene-d5	8.976	82	186129	54.062	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	156636	76.143	ng	0.00
45) 2-Fluorobiphenyl	13.078	172	439199	52.443	ng	0.00
79) Terphenyl-d14	19.823	244	801780	52.062	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.976	70	22253	9.592	ng	# 79
51) 2,6-Dinitrotoluene	14.458	165	16214	7.840	ng	# 25
57) 2,4-Dinitrotoluene	14.458	165	16214	5.655	ng	# 25
67) 4-Bromophenyl-phenylether	15.951	248	9883	2.773	ng	# 1
77) Benzidine	19.823	184	9744	2.219	ng	# 85

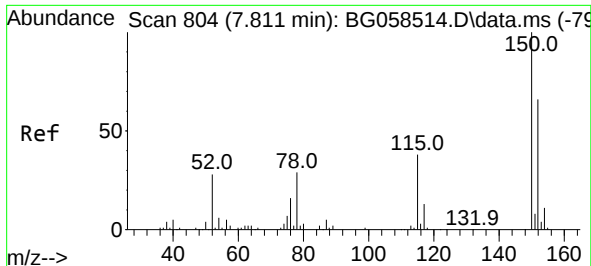
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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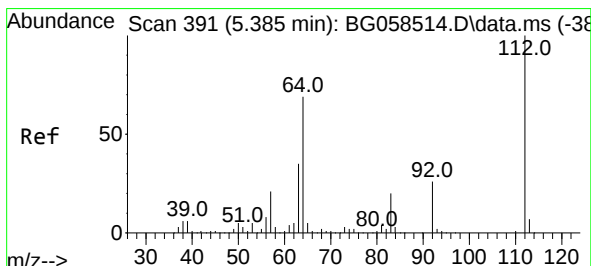
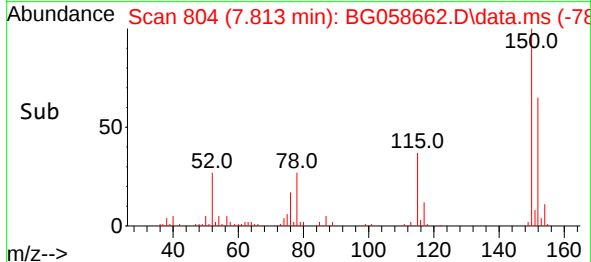
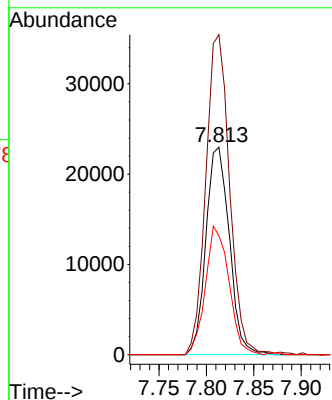
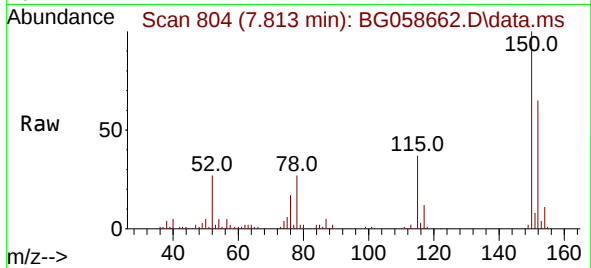




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.813 min Scan# 804
Delta R.T. 0.002 min
Lab File: BG058662.D
Acq: 9 Aug 2023 17:17

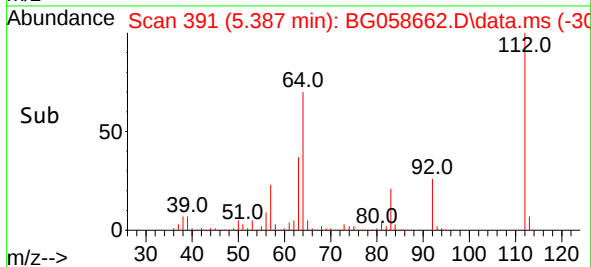
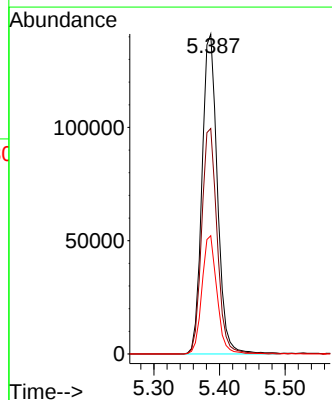
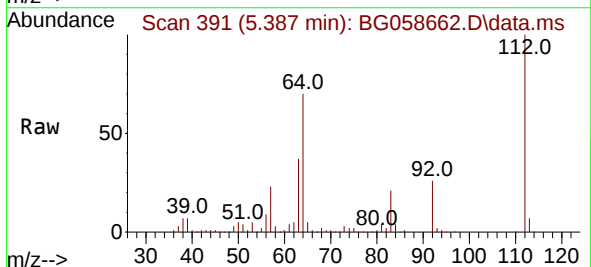
Instrument :
BNA_G
ClientSampleId :
DAYTON-SOIL2

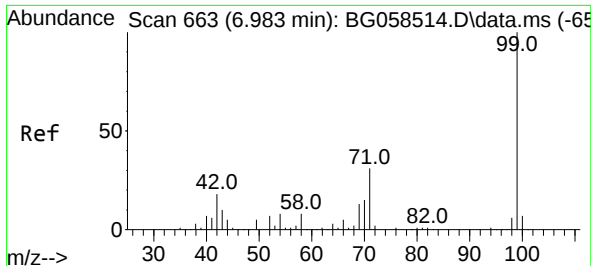
Tgt Ion:152 Resp: 39451
Ion Ratio Lower Upper
152 100
150 154.2 120.5 180.7
115 57.3 45.9 68.9



#5
2-Fluorophenol
Concen: 89.525 ng
RT: 5.387 min Scan# 391
Delta R.T. 0.002 min
Lab File: BG058662.D
Acq: 9 Aug 2023 17:17

Tgt Ion:112 Resp: 231072
Ion Ratio Lower Upper
112 100
64 70.4 55.3 82.9
63 36.9 28.3 42.5

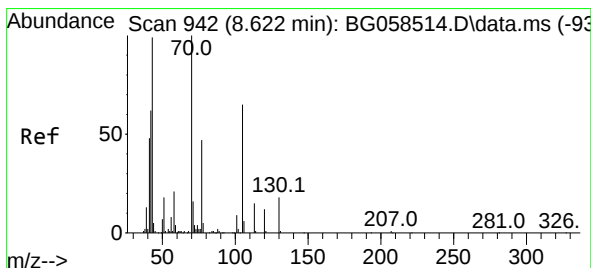
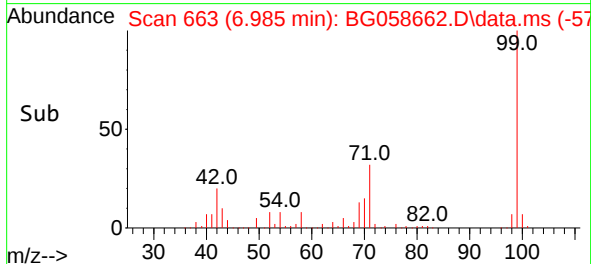
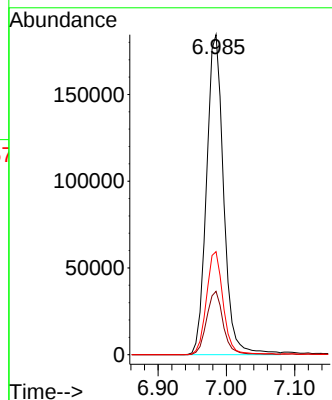
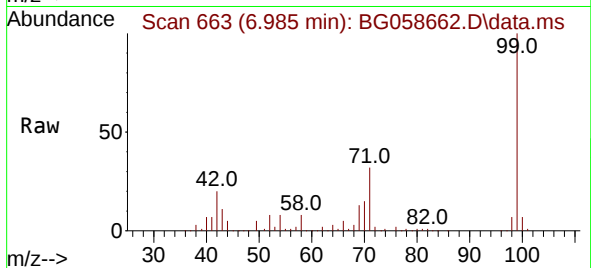




#7
Phenol-d6
Concen: 89.603 ng
RT: 6.985 min Scan# 60
Delta R.T. 0.002 min
Lab File: BG058662.D
Acq: 9 Aug 2023 17:17

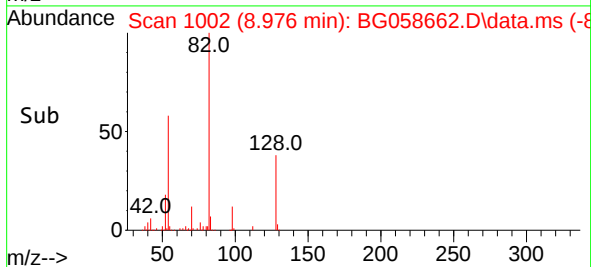
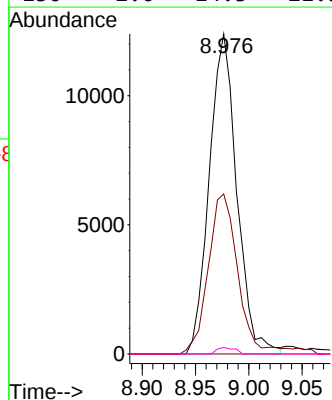
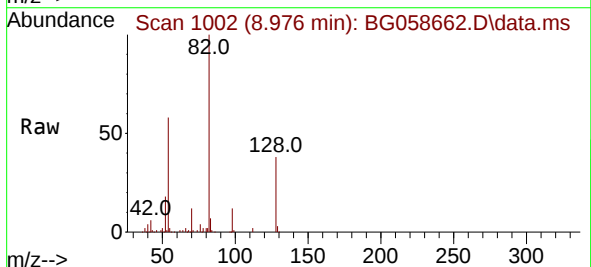
Instrument :
BNA_G
ClientSampleId :
DAYTON-SOIL2

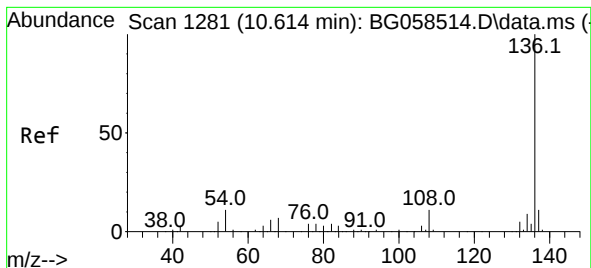
Tgt Ion: 99 Resp: 321814
Ion Ratio Lower Upper
99 100
42 19.8 14.6 21.8
71 32.2 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.592 ng
RT: 8.976 min Scan# 1002
Delta R.T. 0.354 min
Lab File: BG058662.D
Acq: 9 Aug 2023 17:17

Tgt Ion: 70 Resp: 22253
Ion Ratio Lower Upper
70 100
42 50.0 49.7 74.5
101 0.0 7.0 10.4#
130 2.0 14.3 21.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.616 min Scan# 1002

Delta R.T. 0.002 min

Lab File: BG058662.D

Acq: 9 Aug 2023 17:17

Instrument :

BNA_G

ClientSampleId :

DAYTON-SOIL2

Tgt Ion:136 Resp: 169133

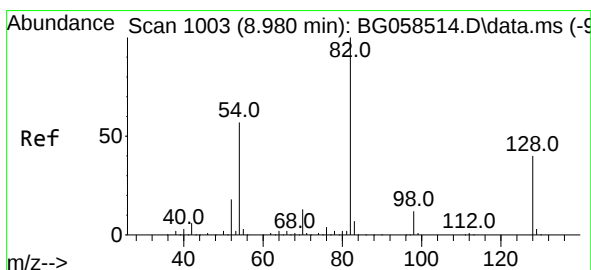
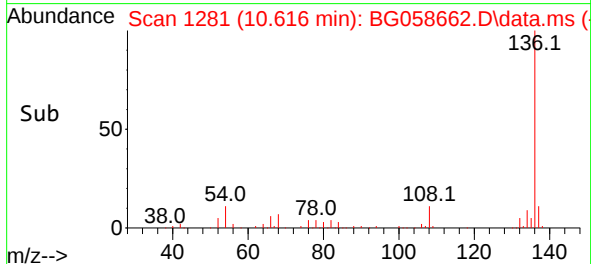
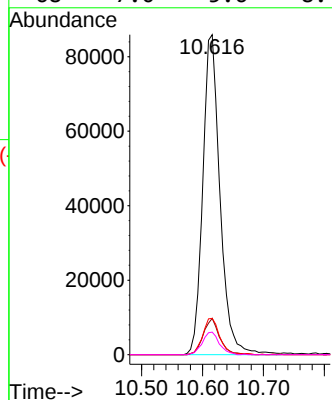
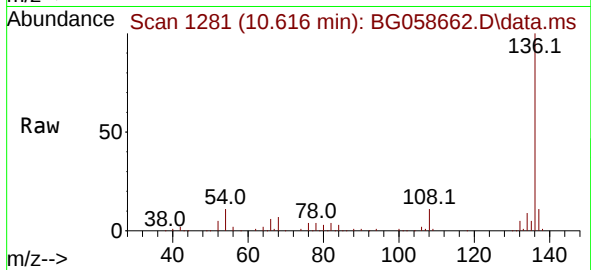
Ion Ratio Lower Upper

136 100

137 11.3 8.6 13.0

54 11.3 8.9 13.3

68 7.0 5.6 8.4



#23

Nitrobenzene-d5

Concen: 54.062 ng

RT: 8.976 min Scan# 1002

Delta R.T. -0.004 min

Lab File: BG058662.D

Acq: 9 Aug 2023 17:17

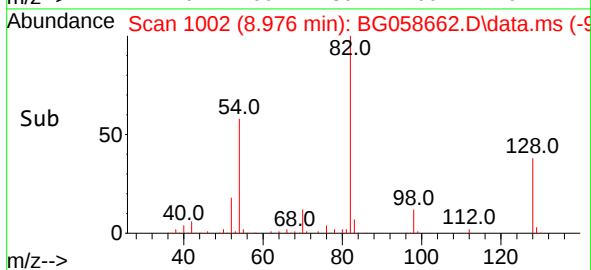
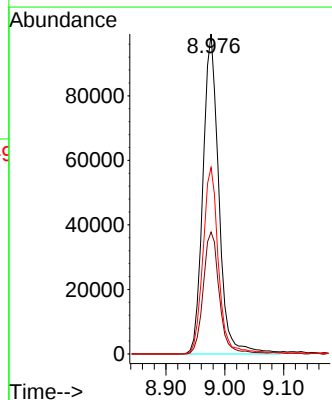
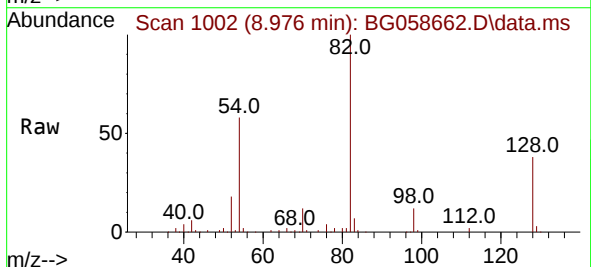
Tgt Ion: 82 Resp: 186129

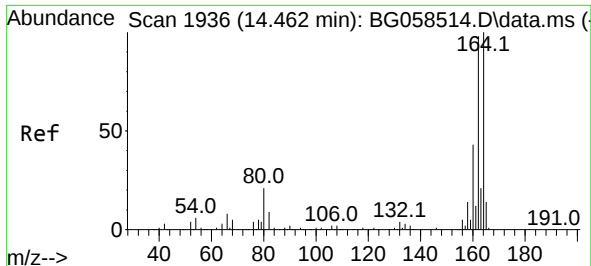
Ion Ratio Lower Upper

82 100

128 38.1 32.2 48.2

54 58.3 46.0 69.0

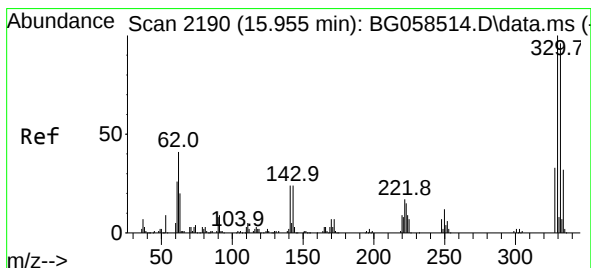
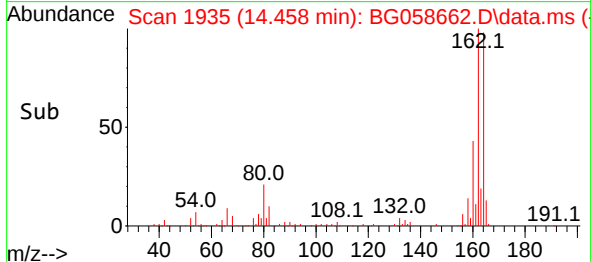
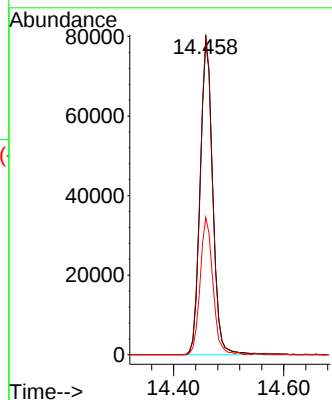
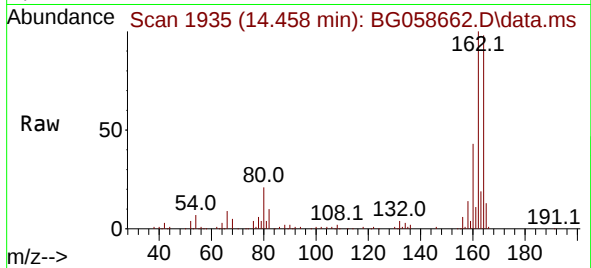




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.458 min Scan# 1935
Delta R.T. -0.004 min
Lab File: BG058662.D
Acq: 9 Aug 2023 17:17

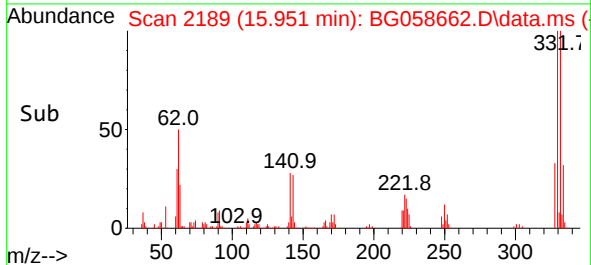
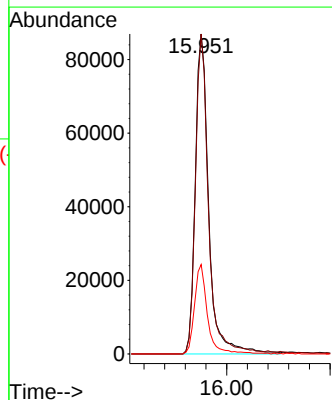
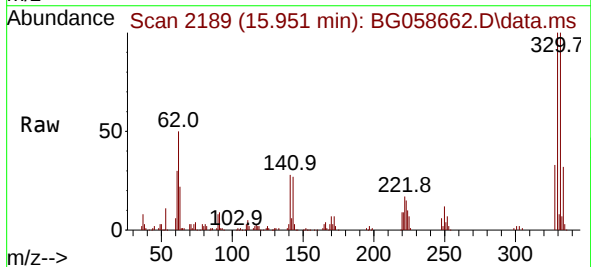
Instrument :
BNA_G
ClientSampleId :
DAYTON-SOIL2

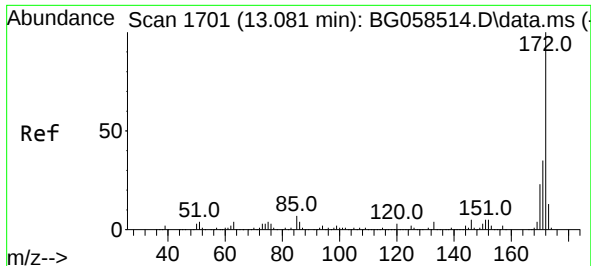
Tgt Ion:164 Resp: 125505
Ion Ratio Lower Upper
164 100
162 102.5 78.3 117.5
160 43.9 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 76.143 ng
RT: 15.951 min Scan# 2189
Delta R.T. -0.004 min
Lab File: BG058662.D
Acq: 9 Aug 2023 17:17

Tgt Ion:330 Resp: 156636
Ion Ratio Lower Upper
330 100
332 96.6 77.5 116.3
141 26.8 20.7 31.1

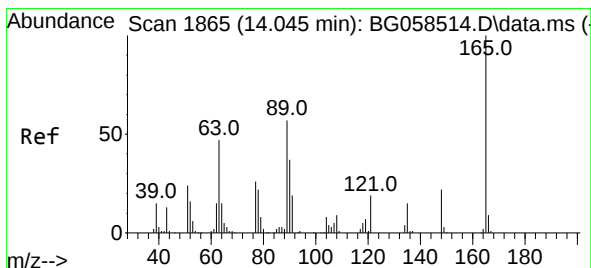
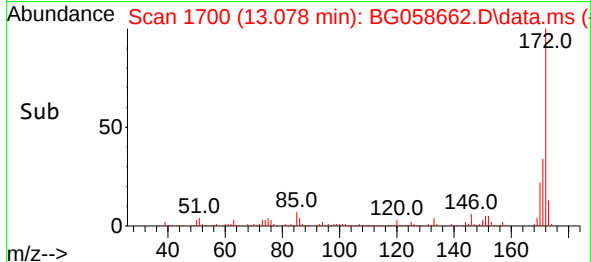
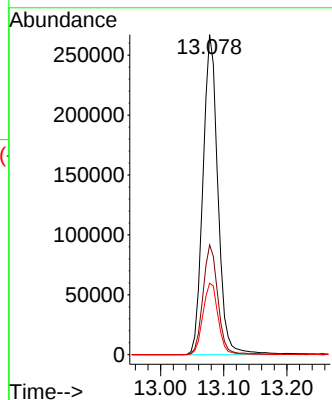
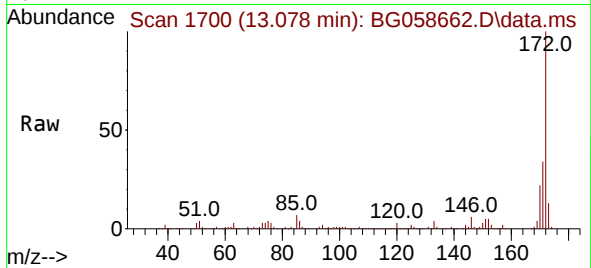




#45
2-Fluorobiphenyl
Concen: 52.443 ng
RT: 13.078 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG058662.D
Acq: 9 Aug 2023 17:17

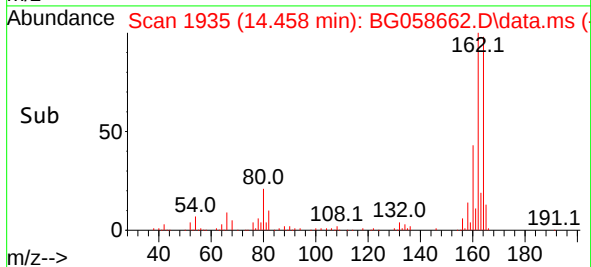
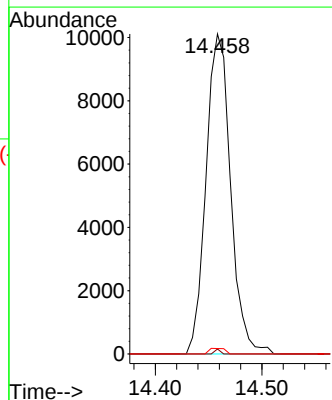
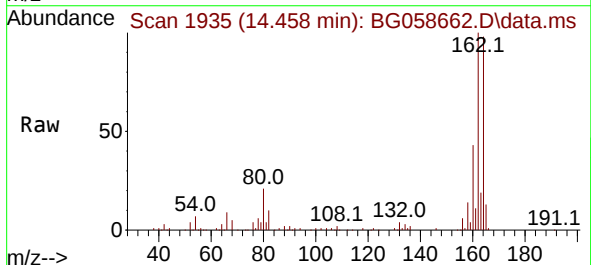
Instrument :
BNA_G
ClientSampleId :
DAYTON-SOIL2

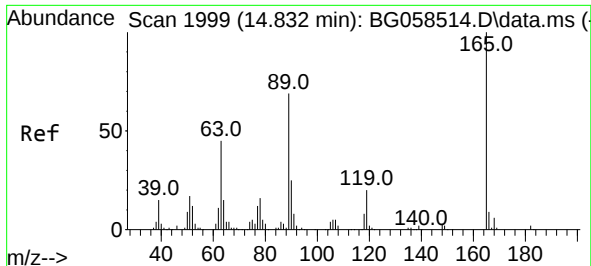
Tgt Ion:172 Resp: 439199
Ion Ratio Lower Upper
172 100
171 34.3 28.0 42.0
170 22.3 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 7.840 ng
RT: 14.458 min Scan# 1935
Delta R.T. 0.413 min
Lab File: BG058662.D
Acq: 9 Aug 2023 17:17

Tgt Ion:165 Resp: 16214
Ion Ratio Lower Upper
165 100
63 1.6 46.4 69.6#
89 1.7 45.3 67.9#





#57

2,4-Dinitrotoluene

Concen: 5.655 ng

RT: 14.458 min Scan# 1999

Delta R.T. -0.374 min

Lab File: BG058662.D

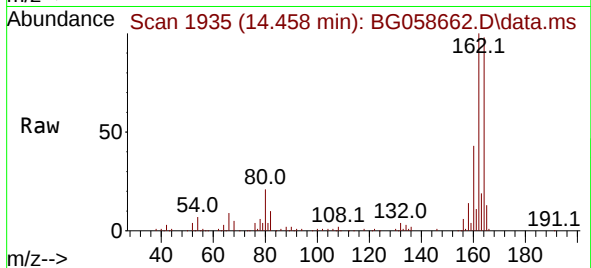
Acq: 9 Aug 2023 17:17

Instrument :

BNA_G

ClientSampleId :

DAYTON-SOIL2



Tgt Ion:165 Resp: 16214

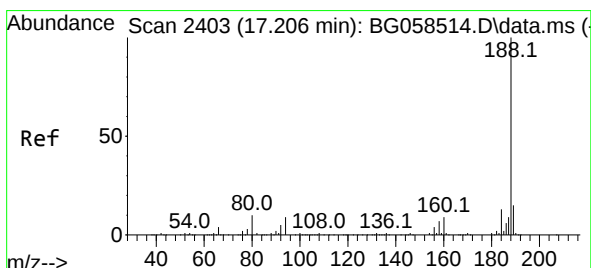
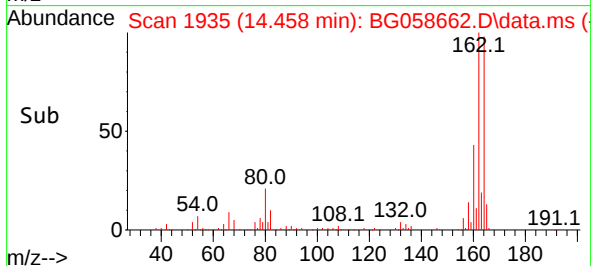
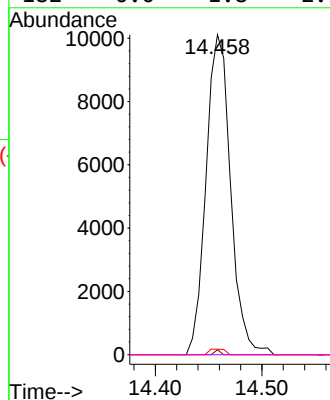
Ion Ratio Lower Upper

165 100

63 1.6 36.6 54.8#

89 1.7 55.4 83.0#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.202 min Scan# 2402

Delta R.T. -0.004 min

Lab File: BG058662.D

Acq: 9 Aug 2023 17:17

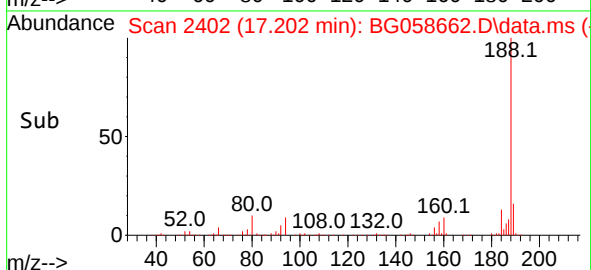
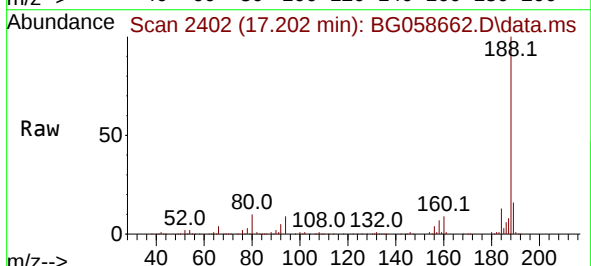
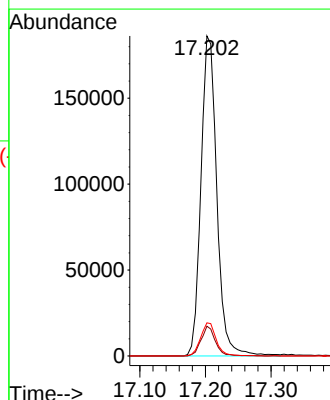
Tgt Ion:188 Resp: 314172

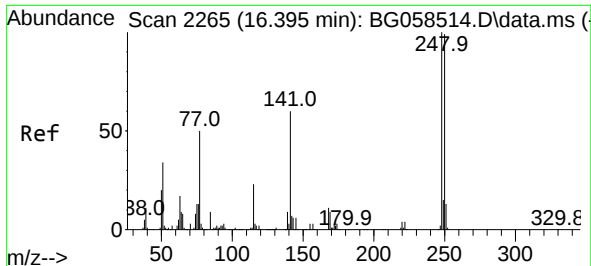
Ion Ratio Lower Upper

188 100

94 9.3 7.0 10.6

80 10.4 8.1 12.1

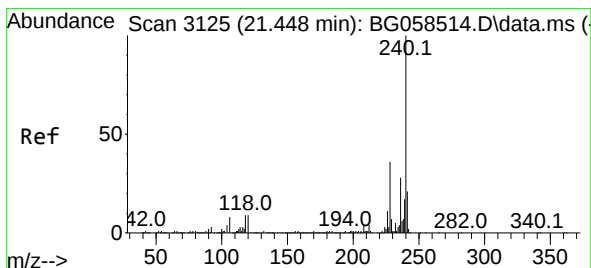
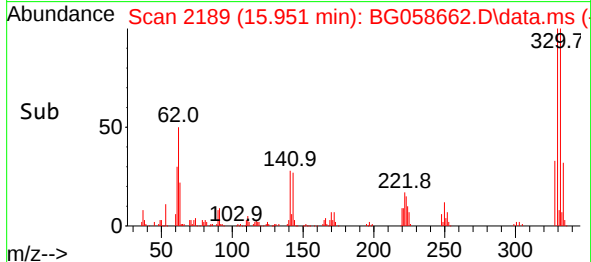
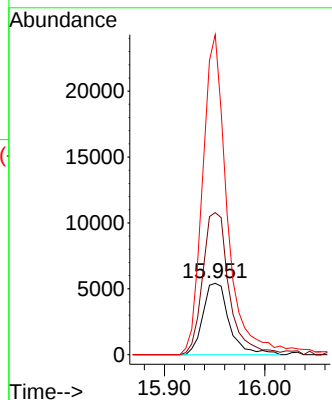
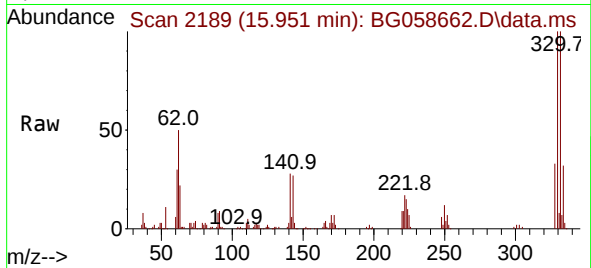




#67
4-Bromophenyl-phenylether
Concen: 2.773 ng
RT: 15.951 min Scan# 2119
Delta R.T. -0.445 min
Lab File: BG058662.D
Acq: 9 Aug 2023 17:17

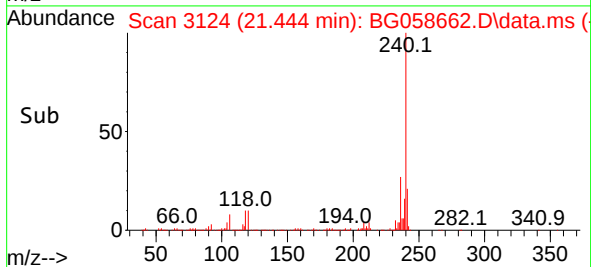
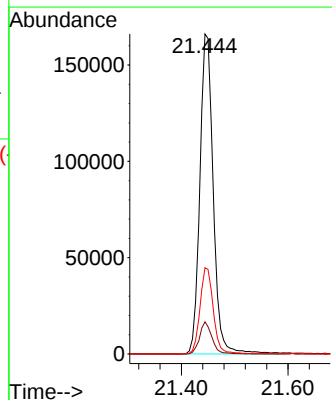
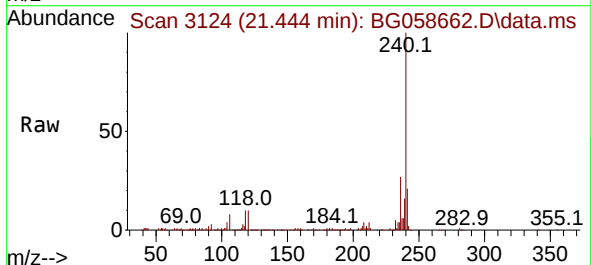
Instrument :
BNA_G
ClientSampleId :
DAYTON-SOIL2

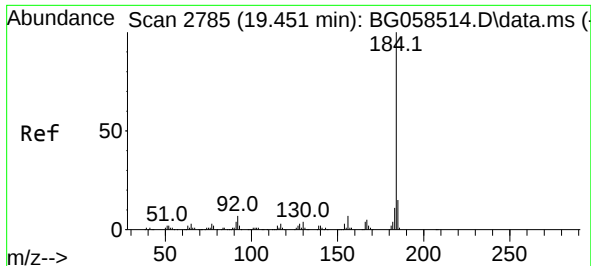
Tgt Ion:248 Resp: 9883
Ion Ratio Lower Upper
248 100
250 199.0 79.5 119.3#
141 448.4 48.2 72.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.444 min Scan# 3124
Delta R.T. -0.004 min
Lab File: BG058662.D
Acq: 9 Aug 2023 17:17

Tgt Ion:240 Resp: 289608
Ion Ratio Lower Upper
240 100
120 10.1 7.4 11.0
236 27.0 22.2 33.4

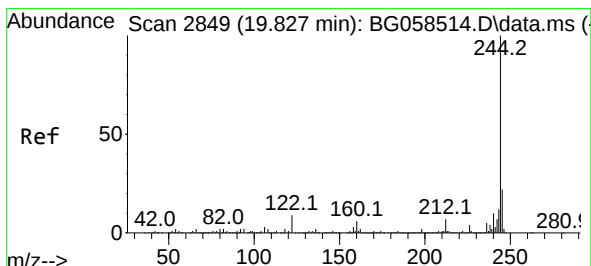
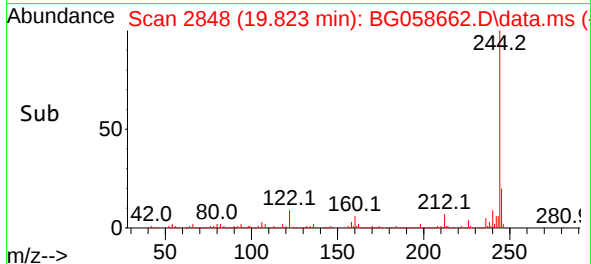
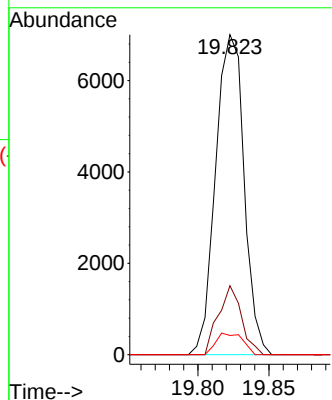
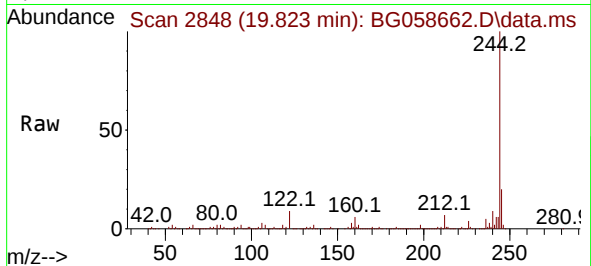




#77
Benzidine
Concen: 2.219 ng
RT: 19.823 min Scan# 21
Delta R.T. 0.372 min
Lab File: BG058662.D
Acq: 9 Aug 2023 17:17

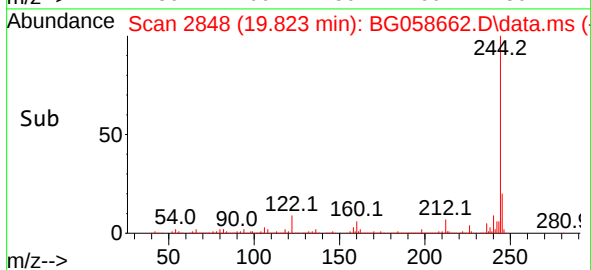
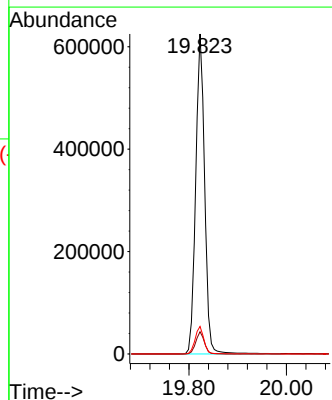
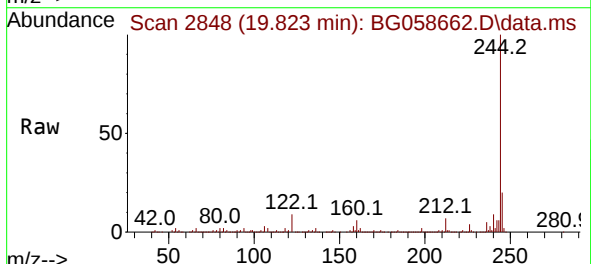
Instrument :
BNA_G
ClientSampleId :
DAYTON-SOIL2

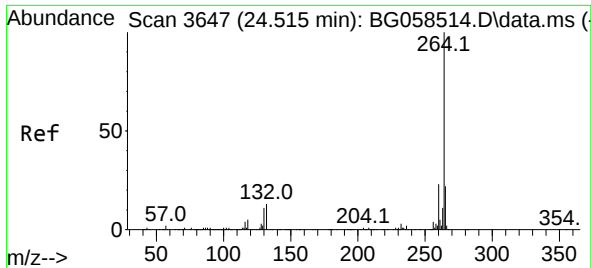
Tgt Ion:184 Resp: 9744
Ion Ratio Lower Upper
184 100
185 21.5 11.9 17.9#
183 6.0 8.7 13.1#



#79
Terphenyl-d14
Concen: 52.062 ng
RT: 19.823 min Scan# 2848
Delta R.T. -0.004 min
Lab File: BG058662.D
Acq: 9 Aug 2023 17:17

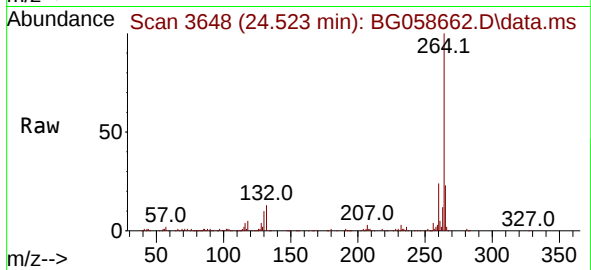
Tgt Ion:244 Resp: 801780
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 8.6 6.8 10.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.523 min Scan# 30
 Delta R.T. 0.008 min
 Lab File: BG058662.D
 Acq: 9 Aug 2023 17:17

Instrument :
 BNA_G
 ClientSampleId :
 DAYTON-SOIL2



Tgt Ion:264 Resp: 350216
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.4 27.6
 265 22.8 17.9 26.9

