

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121923\
 Data File : BG060084.D
 Acq On : 19 Dec 2023 14:05
 Operator : MA/JU
 Sample : 05884-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-COMP-1

Quant Time: Dec 19 14:48:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 04:37:23 2023
 Response via : Initial Calibration

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

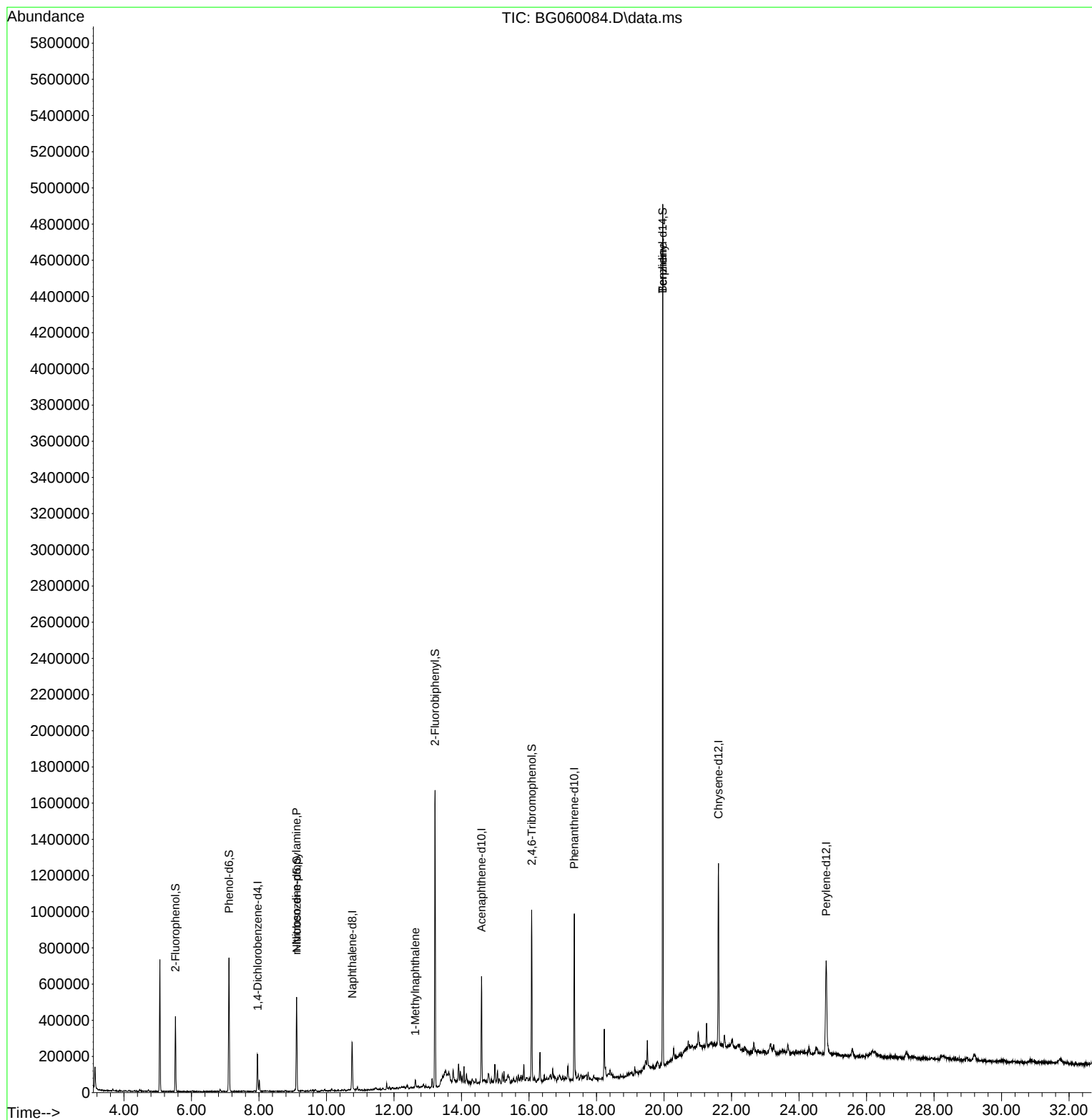
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.958	152	54446	20.000	ng	0.00
21) Naphthalene-d8	10.760	136	206039	20.000	ng	# 0.00
39) Acenaphthene-d10	14.591	164	196290	20.000	ng	0.00
64) Phenanthrene-d10	17.341	188	630427	20.000	ng	# 0.00
76) Chrysene-d12	21.612	240	659515	20.000	ng	# 0.00
86) Perylene-d12	24.802	264	667847	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.525	112	141190	44.392	ng	0.00
7) Phenol-d6	7.111	99	343216	76.715	ng	0.00
23) Nitrobenzene-d5	9.115	82	279753	61.654	ng	0.00
42) 2,4,6-Tribromophenol	16.077	330	226612	49.538	ng	0.00
45) 2-Fluorobiphenyl	13.216	172	894700	55.786	ng	0.00
79) Terphenyl-d14	19.961	244	2508349	69.438	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.109	70	45288	15.690	ng	# 76
38) 1-Methylnaphthalene	12.629	142	17978	2.163	ng	87
69) Atrazine	16.918	200	334	Below Cal		72
77) Benzidine	19.961	184	38673	4.565	ng	# 94

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

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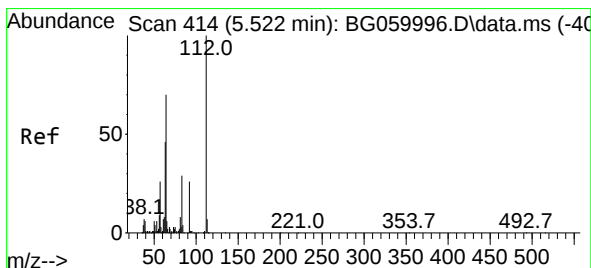
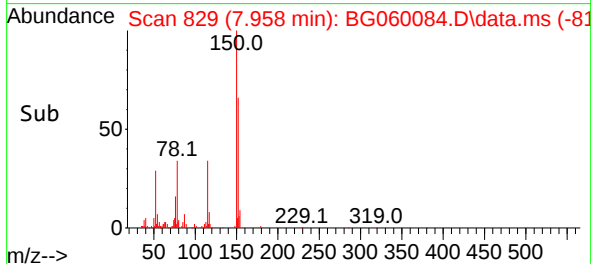
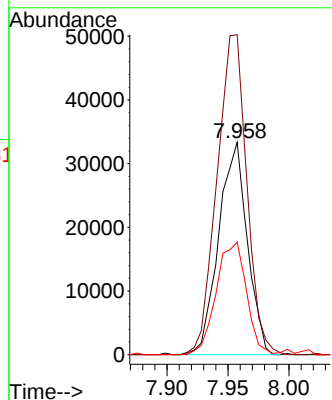
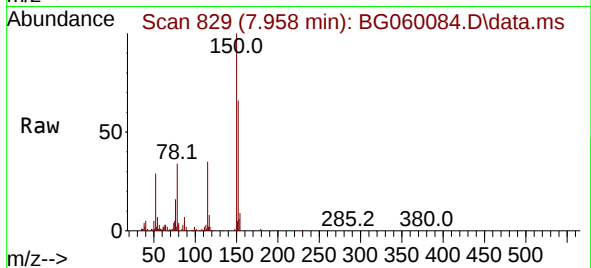




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.958 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG060084.D
Acq: 19 Dec 2023 14:05

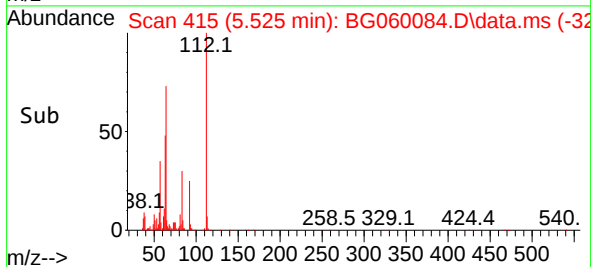
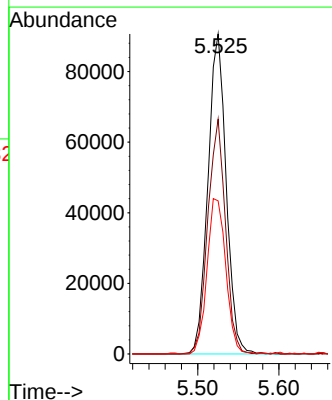
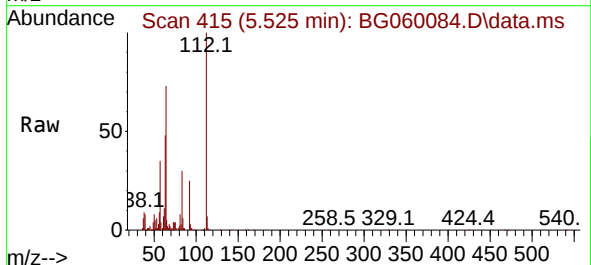
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-1

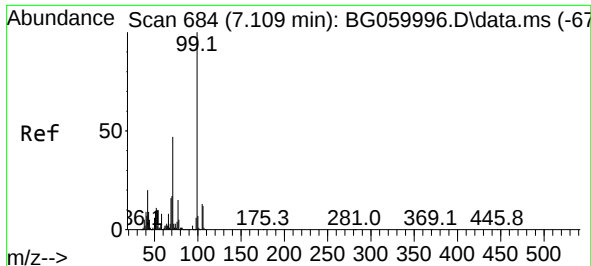
Tgt Ion:152 Resp: 54446
Ion Ratio Lower Upper
152 100
150 150.8 127.0 190.6
115 53.0 45.7 68.5



#5
2-Fluorophenol
Concen: 44.392 ng
RT: 5.525 min Scan# 415
Delta R.T. -0.001 min
Lab File: BG060084.D
Acq: 19 Dec 2023 14:05

Tgt Ion:112 Resp: 141190
Ion Ratio Lower Upper
112 100
64 73.3 55.9 83.9
63 47.8 36.5 54.7

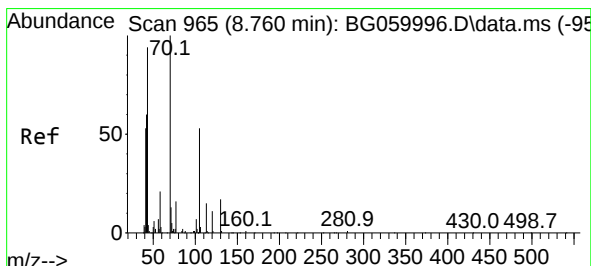
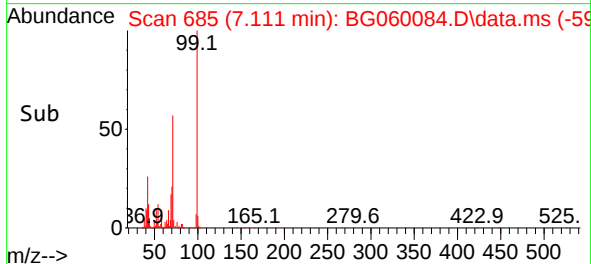
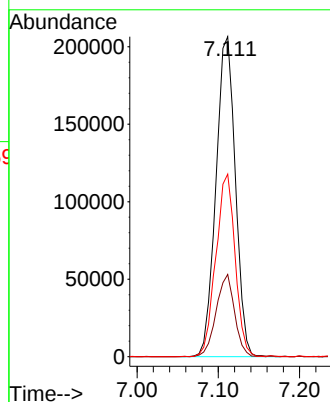
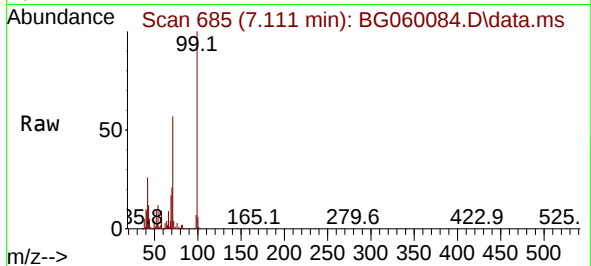




#7
Phenol-d6
Concen: 76.715 ng
RT: 7.111 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG060084.D
Acq: 19 Dec 2023 14:05

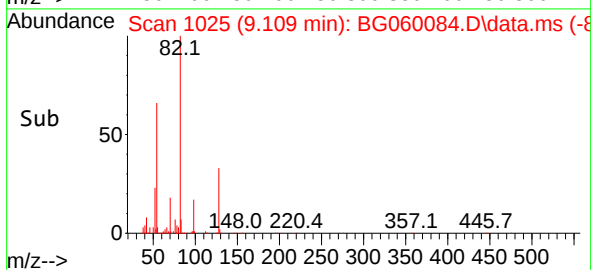
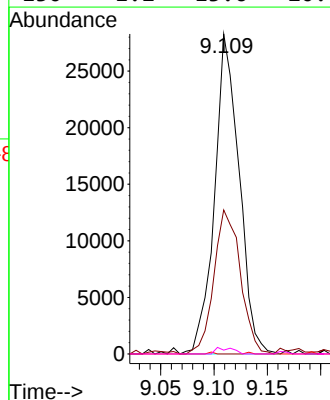
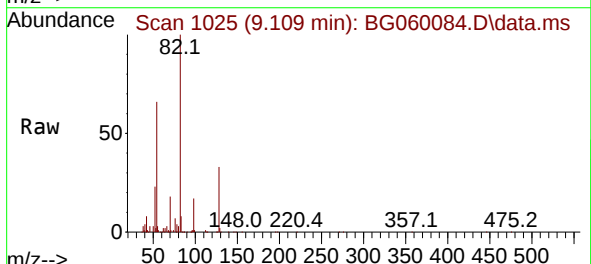
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-1

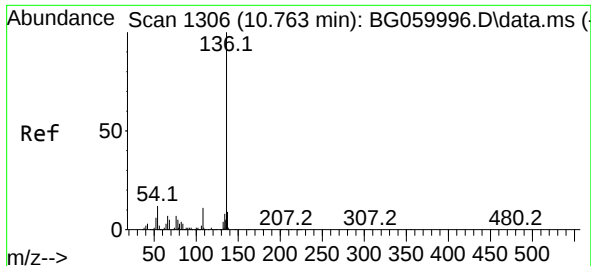
Tgt Ion: 99 Resp: 343216
Ion Ratio Lower Upper
99 100
42 25.7 16.2 24.4#
71 57.0 37.6 56.4#



#19
n-Nitroso-di-n-propylamine
Concen: 15.690 ng
RT: 9.109 min Scan# 1025
Delta R.T. 0.346 min
Lab File: BG060084.D
Acq: 19 Dec 2023 14:05

Tgt Ion: 70 Resp: 45288
Ion Ratio Lower Upper
70 100
42 45.0 48.6 73.0#
101 0.0 5.7 8.5#
130 1.2 13.6 20.4#

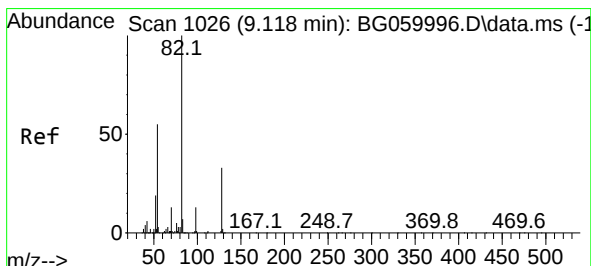
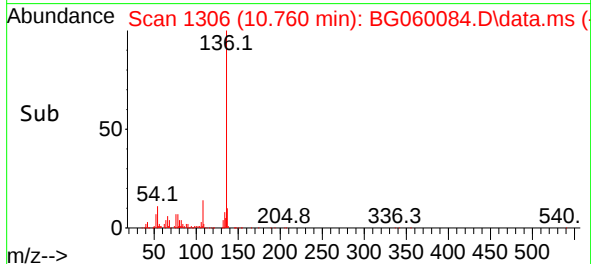
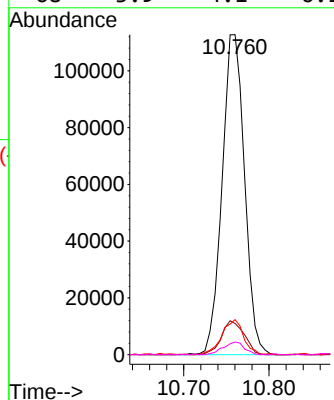
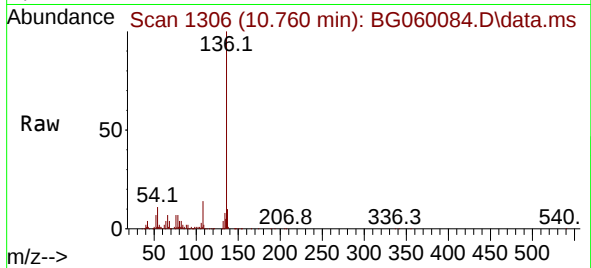




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.760 min Scan# 1306
Delta R.T. -0.001 min
Lab File: BG060084.D
Acq: 19 Dec 2023 14:05

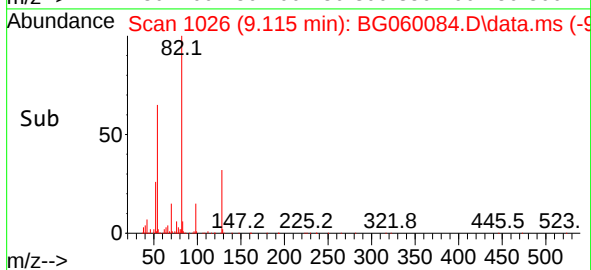
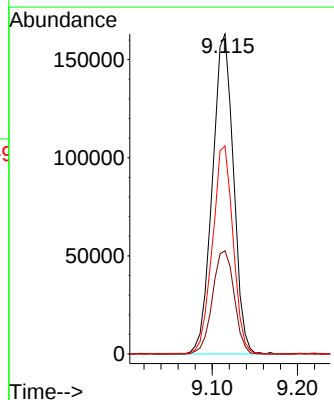
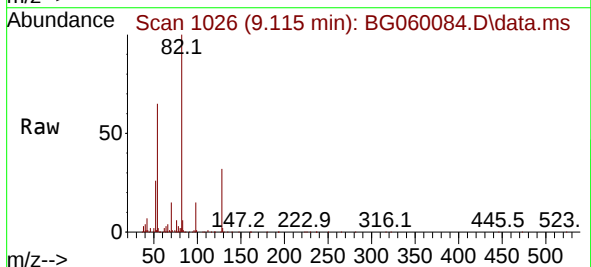
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-1

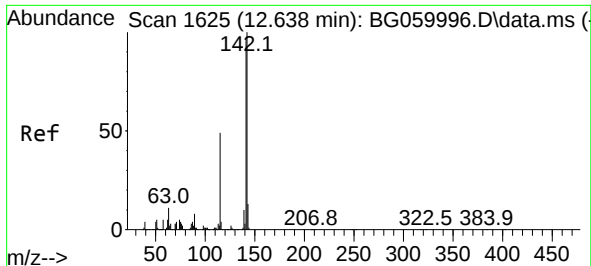
Tgt Ion:136 Resp: 206039
Ion Ratio Lower Upper
136 100
137 9.8 7.3 10.9
54 10.9 9.6 14.4
68 3.9 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 61.654 ng
RT: 9.115 min Scan# 1026
Delta R.T. -0.007 min
Lab File: BG060084.D
Acq: 19 Dec 2023 14:05

Tgt Ion: 82 Resp: 279753
Ion Ratio Lower Upper
82 100
128 32.3 26.3 39.5
54 65.0 44.3 66.5

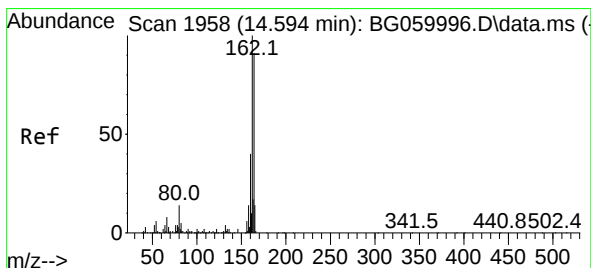
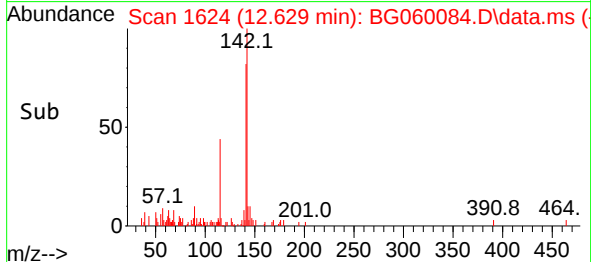
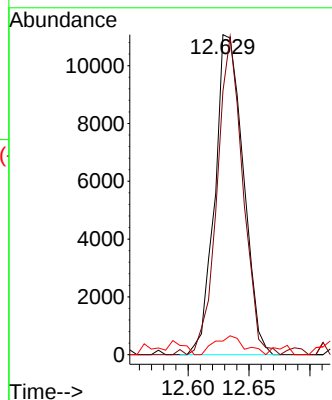
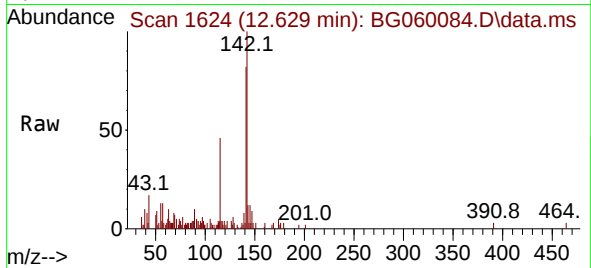




#38
1-Methylnaphthalene
Concen: 2.163 ng
RT: 12.629 min Scan# 1624
Delta R.T. -0.013 min
Lab File: BG060084.D
Acq: 19 Dec 2023 14:05

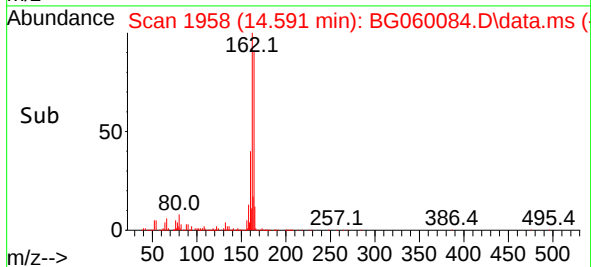
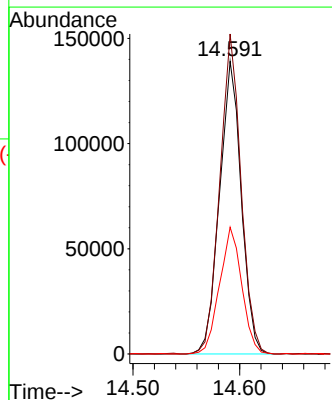
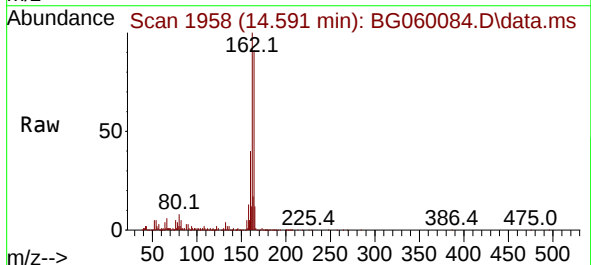
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-1

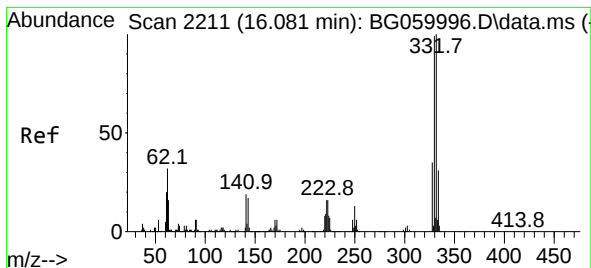
Tgt Ion:142 Resp: 17978
Ion Ratio Lower Upper
142 100
141 82.3 76.9 115.3
116 4.3 3.5 5.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.591 min Scan# 1958
Delta R.T. -0.007 min
Lab File: BG060084.D
Acq: 19 Dec 2023 14:05

Tgt Ion:164 Resp: 196290
Ion Ratio Lower Upper
164 100
162 109.3 88.1 132.1
160 43.3 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 49.538 ng

RT: 16.077 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG060084.D

Acq: 19 Dec 2023 14:05

Instrument :

BNA_G

ClientSampleId :

SOIL-COMP-1

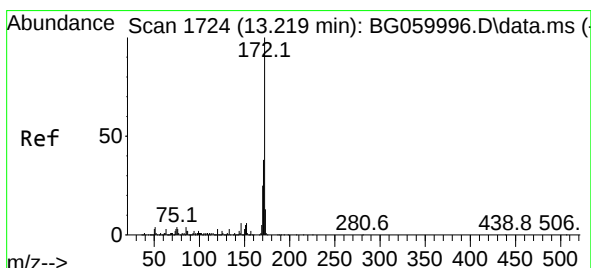
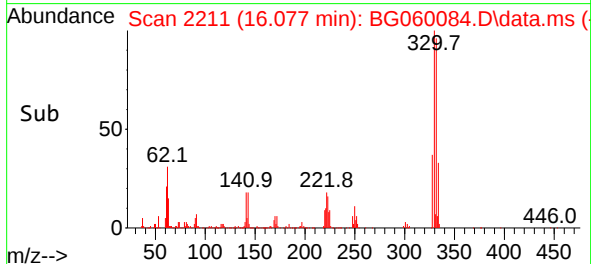
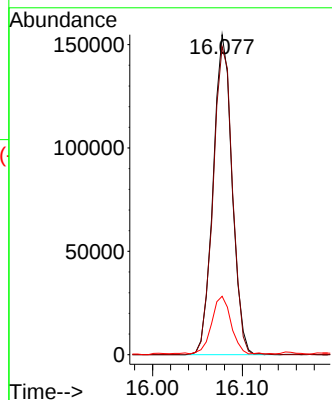
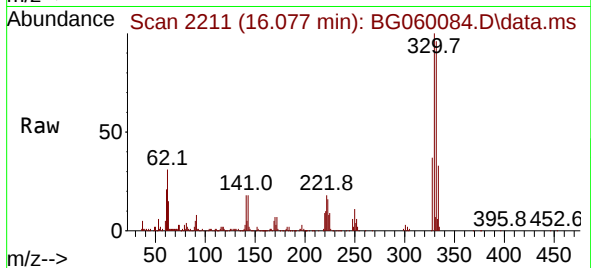
Tgt Ion:330 Resp: 226612

Ion Ratio Lower Upper

330 100

332 98.5 76.2 114.4

141 19.1 14.3 21.5



#45

2-Fluorobiphenyl

Concen: 55.786 ng

RT: 13.216 min Scan# 1724

Delta R.T. -0.001 min

Lab File: BG060084.D

Acq: 19 Dec 2023 14:05

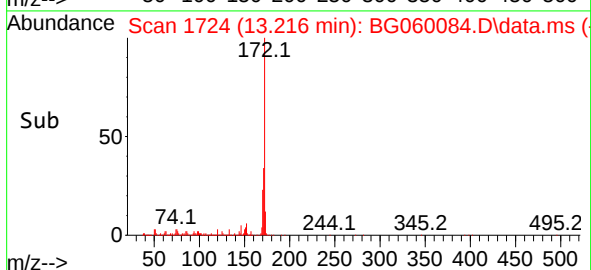
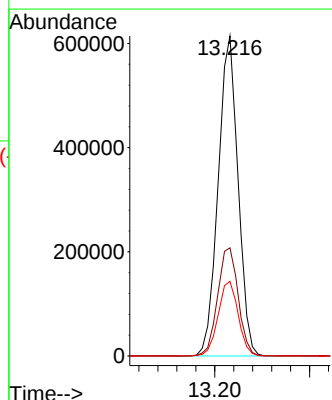
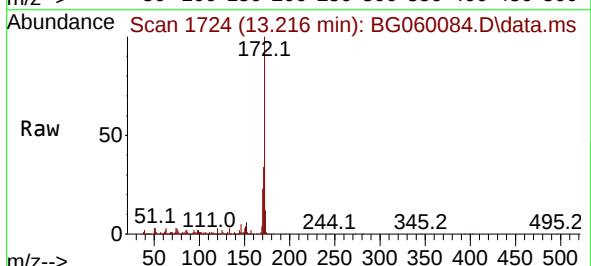
Tgt Ion:172 Resp: 894700

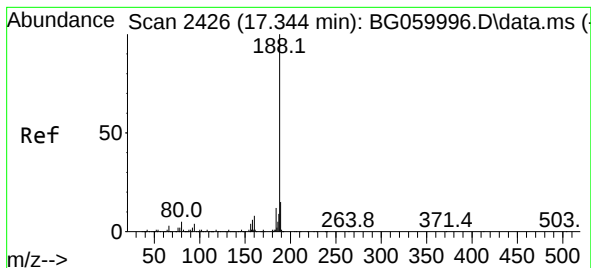
Ion Ratio Lower Upper

172 100

171 33.8 30.1 45.1

170 23.3 20.0 30.0

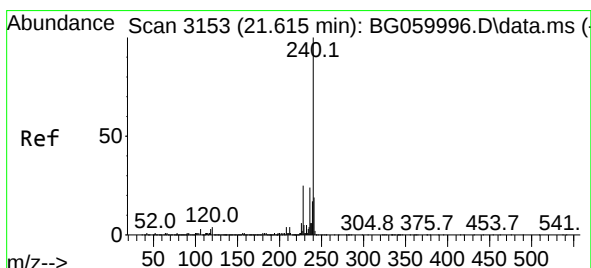
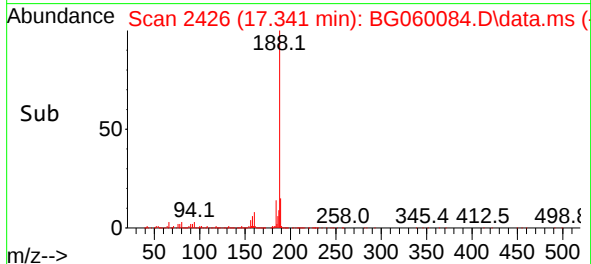
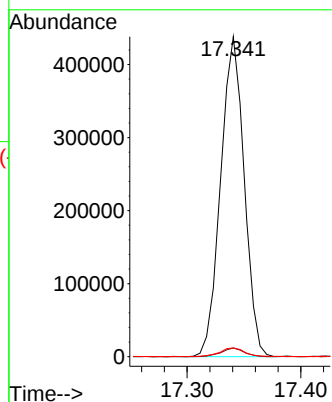
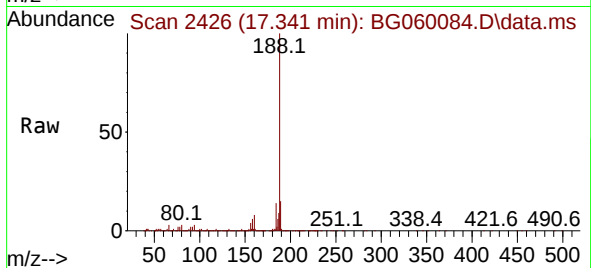




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.341 min Scan# 2426
Delta R.T. -0.007 min
Lab File: BG060084.D
Acq: 19 Dec 2023 14:05

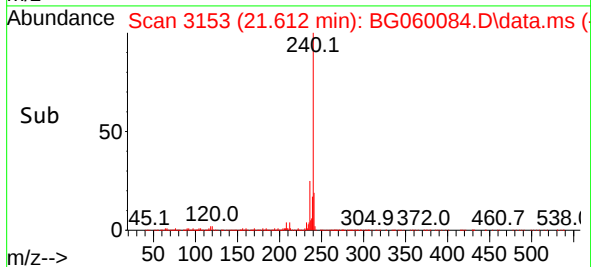
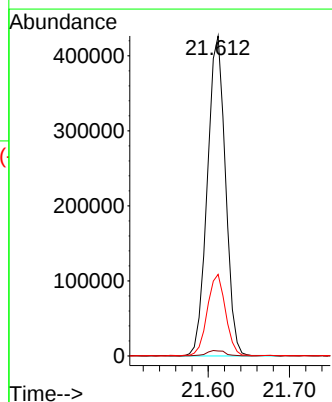
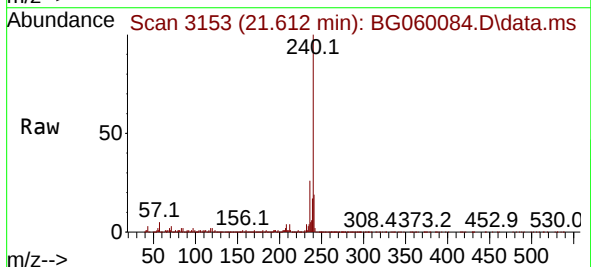
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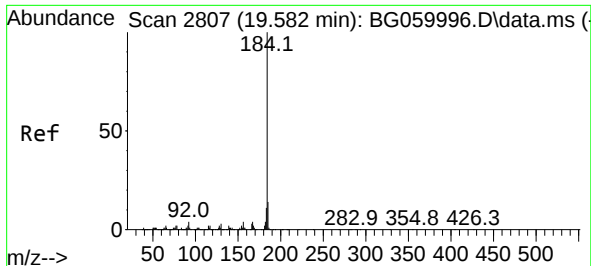
Tgt Ion:188 Resp: 630427
Ion Ratio Lower Upper
188 100
94 2.7 3.0 4.6#
80 2.8 4.0 6.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.612 min Scan# 3153
Delta R.T. -0.007 min
Lab File: BG060084.D
Acq: 19 Dec 2023 14:05

Tgt Ion:240 Resp: 659515
Ion Ratio Lower Upper
240 100
120 1.5 2.9 4.3#
236 25.5 19.4 29.2

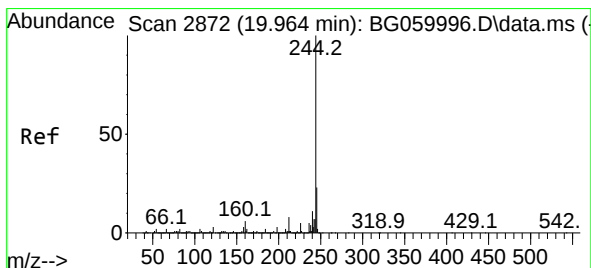
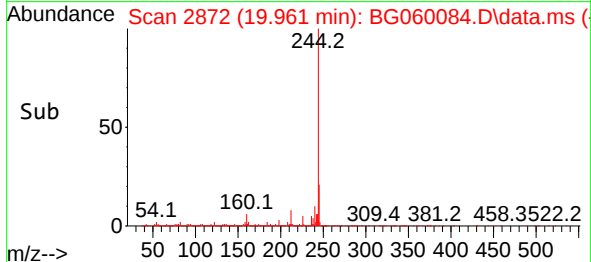
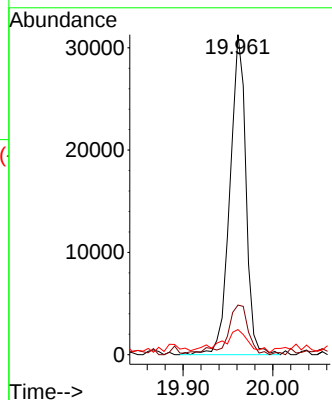
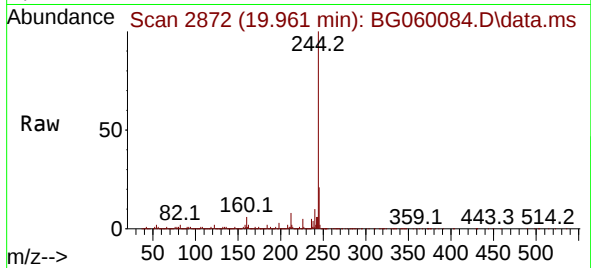




#77
Benzidine
Concen: 4.565 ng
RT: 19.961 min Scan# 2872
Delta R.T. 0.375 min
Lab File: BG060084.D
Acq: 19 Dec 2023 14:05

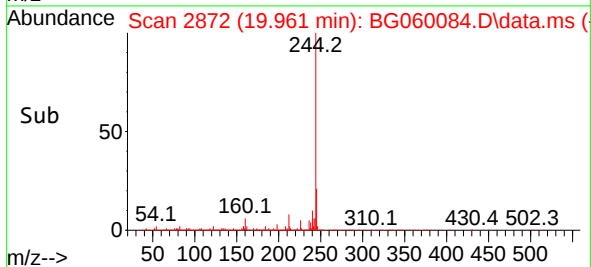
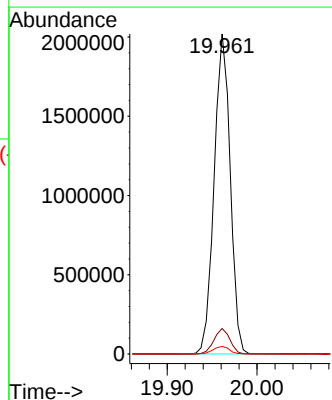
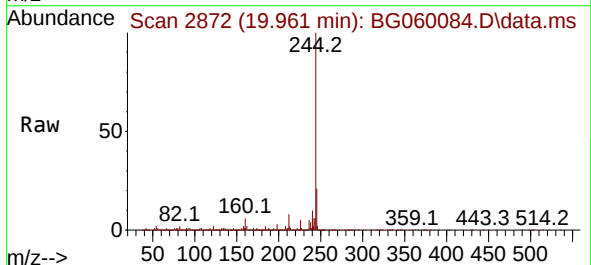
Instrument :
BNA_G
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SOIL-COMP-1

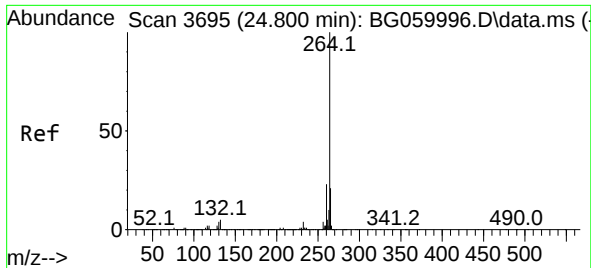
Tgt Ion:184 Resp: 38673
Ion Ratio Lower Upper
184 100
185 15.5 11.1 16.7
183 7.8 9.0 13.4#



#79
Terphenyl-d14
Concen: 69.438 ng
RT: 19.961 min Scan# 2872
Delta R.T. -0.007 min
Lab File: BG060084.D
Acq: 19 Dec 2023 14:05

Tgt Ion:244 Resp: 2508349
Ion Ratio Lower Upper
244 100
212 8.0 6.8 10.2
122 2.3 2.6 3.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.802 min Scan# 30
 Delta R.T. -0.013 min
 Lab File: BG060084.D
 Acq: 19 Dec 2023 14:05

Instrument :
 BNA_G
 ClientSampleId :
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Tgt Ion:264 Resp: 667847
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.5 27.7
 265 21.0 17.3 25.9

