

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121423\
 Data File : BG060015.D
 Acq On : 14 Dec 2023 17:02
 Operator : MA/JU
 Sample : 05718-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-SOIL-20231206

Quant Time: Dec 15 02:34:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 01:47:12 2023
 Response via : Initial Calibration

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

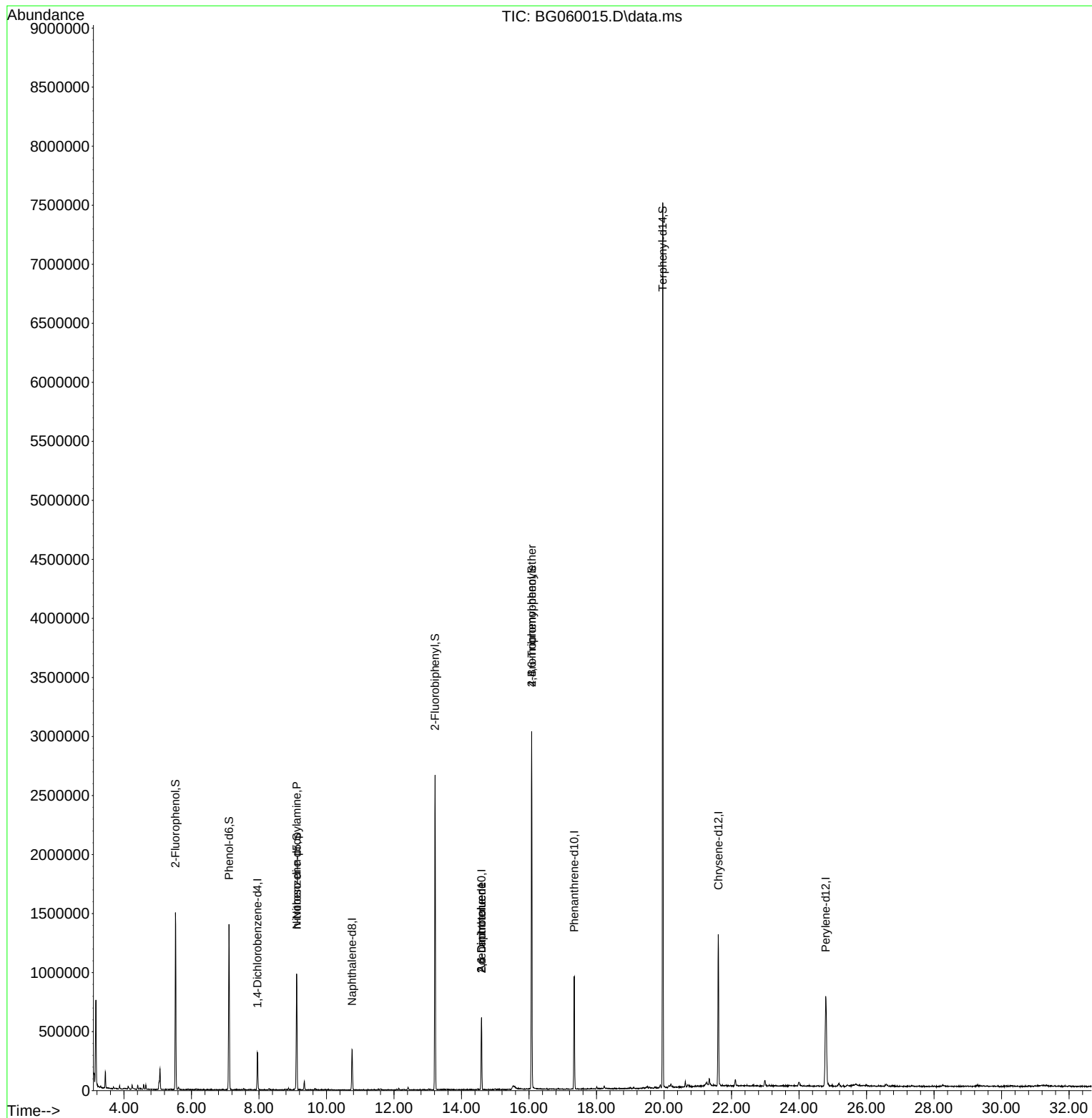
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	89091	20.000	ng	0.00
21) Naphthalene-d8	10.762	136	265546	20.000	ng	0.00
39) Acenaphthene-d10	14.593	164	219107	20.000	ng	0.00
64) Phenanthrene-d10	17.336	188	685515	20.000	ng	0.00
76) Chrysene-d12	21.608	240	853393	20.000	ng	0.00
86) Perylene-d12	24.792	264	978012	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.527	112	534999	102.798	ng	0.00
7) Phenol-d6	7.113	99	709482	96.914	ng	0.00
23) Nitrobenzene-d5	9.117	82	562404	96.171	ng	0.00
42) 2,4,6-Tribromophenol	16.079	330	722736	141.541	ng	0.00
45) 2-Fluorobiphenyl	13.218	172	1428898	79.816	ng	0.00
79) Terphenyl-d14	19.963	244	3955356	84.619	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	9.117	70	76988	16.300	ng	# 71
51) 2,6-Dinitrotoluene	14.593	165	28909	8.206	ng	# 25
57) 2,4-Dinitrotoluene	14.593	165	28909	5.837	ng	# 28
67) 4-Bromophenyl-phenylether	16.079	248	40967	4.236	ng	# 1
69) Atrazine	16.796	200	84	Below Cal		# 34

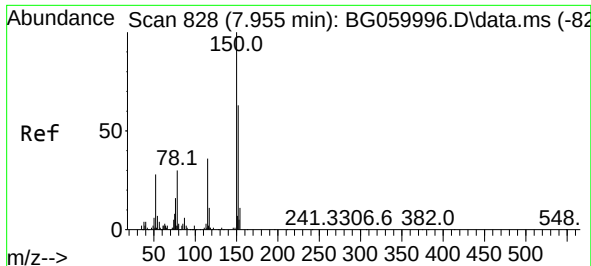
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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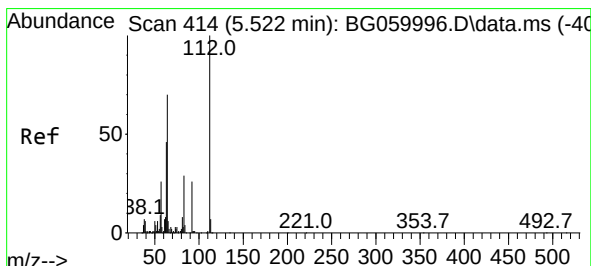
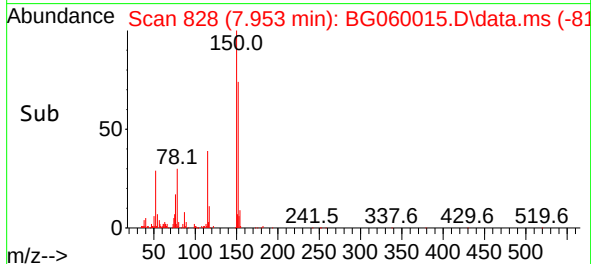
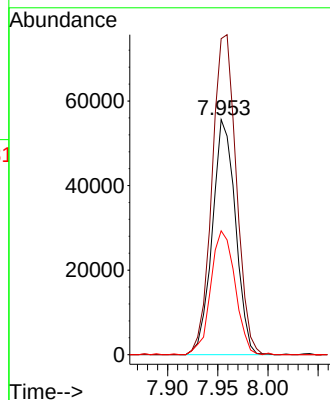
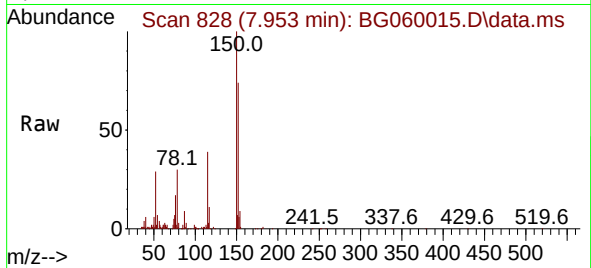




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.953 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG060015.D
Acq: 14 Dec 2023 17:02

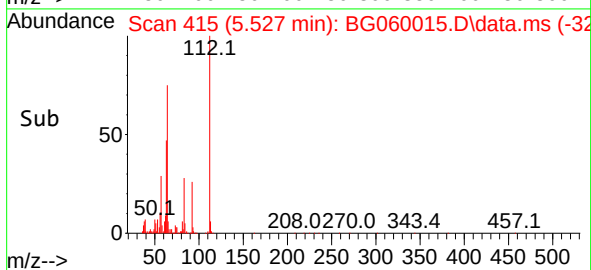
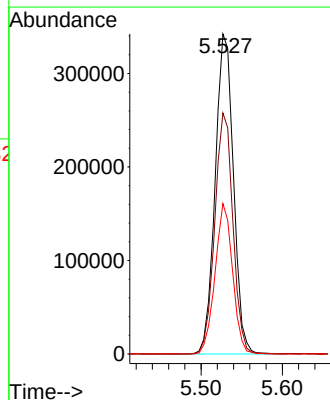
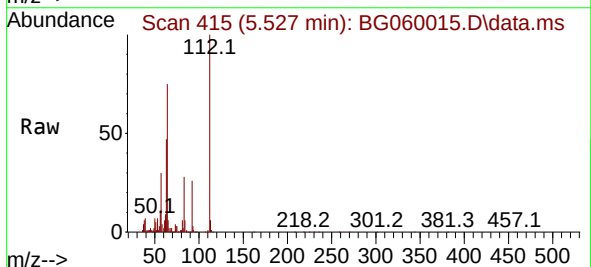
Instrument :
BNA_G
ClientSampleId :
WC-SOIL-20231206

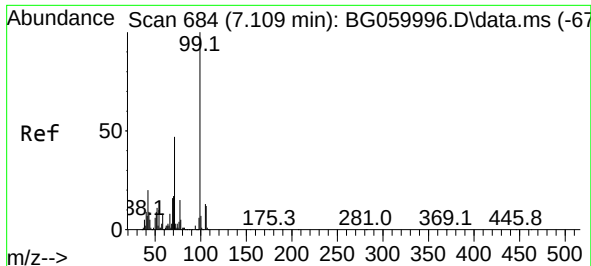
Tgt Ion:152 Resp: 89091
Ion Ratio Lower Upper
152 100
150 134.5 127.0 190.6
115 52.7 45.7 68.5



#5
2-Fluorophenol
Concen: 102.798 ng
RT: 5.527 min Scan# 415
Delta R.T. 0.005 min
Lab File: BG060015.D
Acq: 14 Dec 2023 17:02

Tgt Ion:112 Resp: 534999
Ion Ratio Lower Upper
112 100
64 75.3 55.9 83.9
63 47.0 36.5 54.7

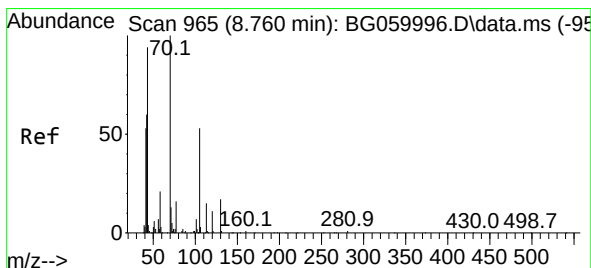
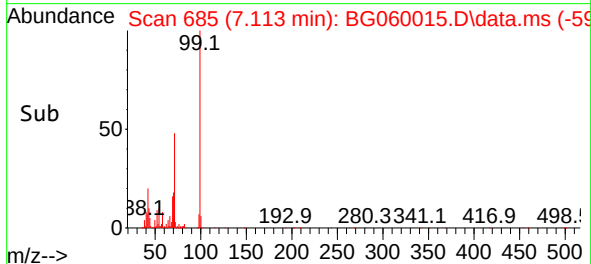
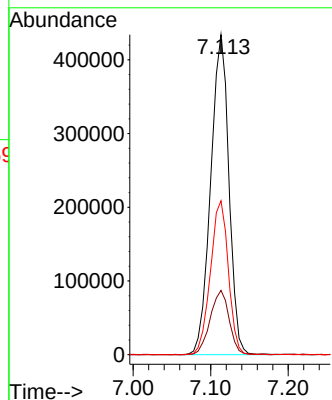
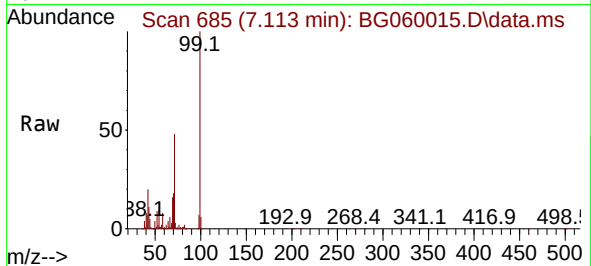




#7
Phenol-d6
Concen: 96.914 ng
RT: 7.113 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG060015.D
Acq: 14 Dec 2023 17:02

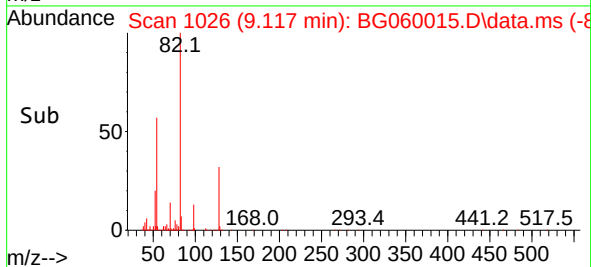
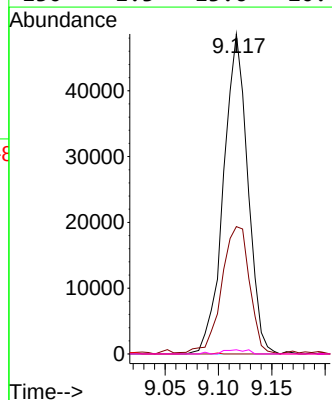
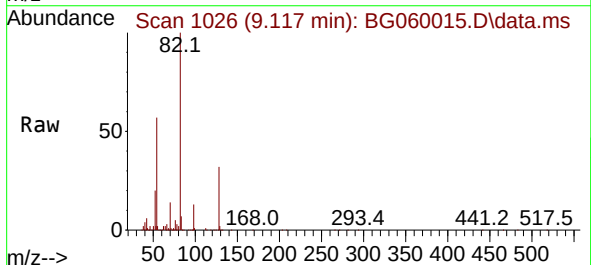
Instrument :
BNA_G
ClientSampleId :
WC-SOIL-20231206

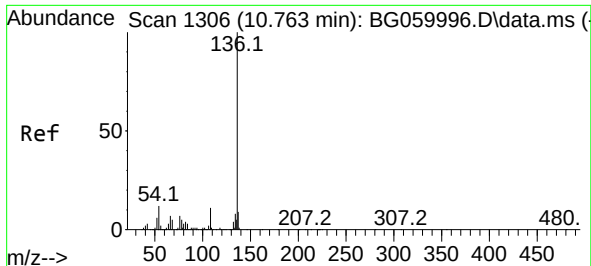
Tgt Ion: 99 Resp: 709482
Ion Ratio Lower Upper
99 100
42 20.1 16.2 24.4
71 48.1 37.6 56.4



#19
n-Nitroso-di-n-propylamine
Concen: 16.300 ng
RT: 9.117 min Scan# 1026
Delta R.T. 0.357 min
Lab File: BG060015.D
Acq: 14 Dec 2023 17:02

Tgt Ion: 70 Resp: 76988
Ion Ratio Lower Upper
70 100
42 39.8 48.6 73.0#
101 0.0 5.7 8.5#
130 1.3 13.6 20.4#

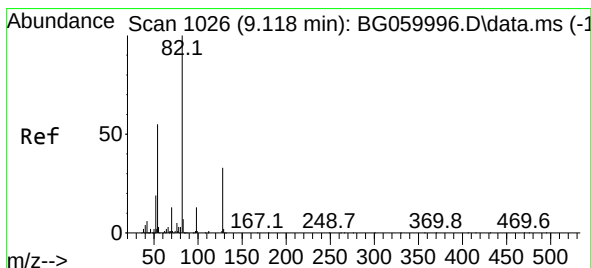
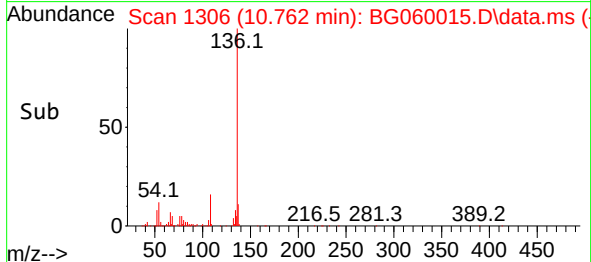
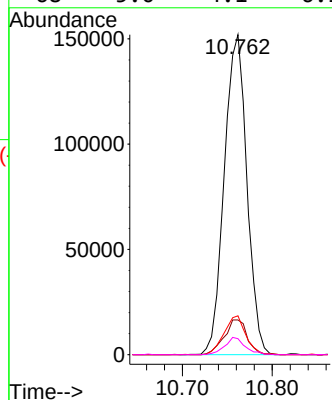
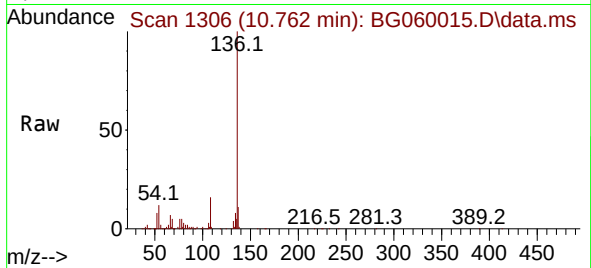




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.762 min Scan# 1306
Delta R.T. -0.001 min
Lab File: BG060015.D
Acq: 14 Dec 2023 17:02

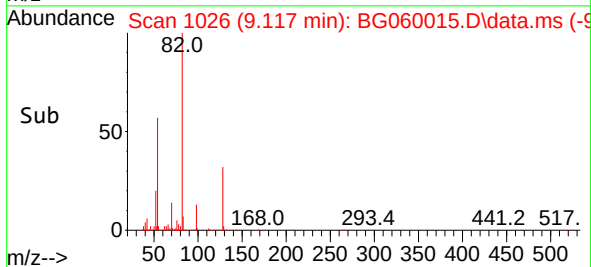
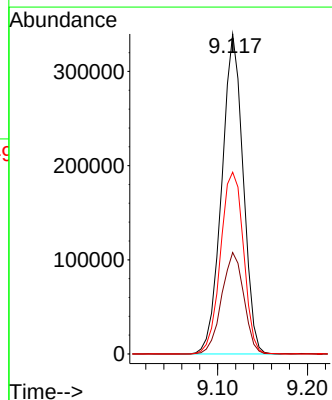
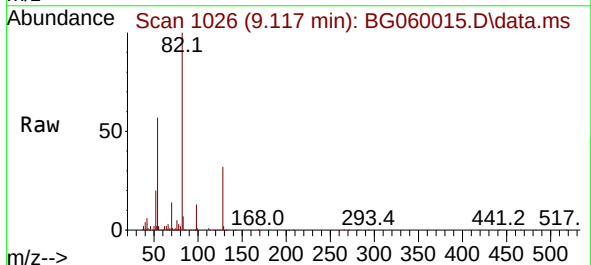
Instrument :
BNA_G
ClientSampleId :
WC-SOIL-20231206

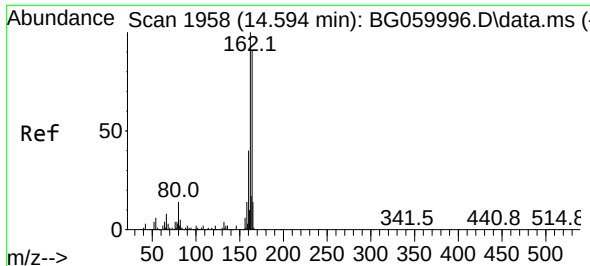
Tgt Ion:	136	Resp:	265546
Ion Ratio	Lower	Upper	
136	100		
137	10.8	7.3	10.9
54	12.1	9.6	14.4
68	5.0	4.1	6.1



#23
Nitrobenzene-d5
Concen: 96.171 ng
RT: 9.117 min Scan# 1026
Delta R.T. -0.001 min
Lab File: BG060015.D
Acq: 14 Dec 2023 17:02

Tgt Ion:	82	Resp:	562404
Ion Ratio	Lower	Upper	
82	100		
128	31.7	26.3	39.5
54	56.8	44.3	66.5

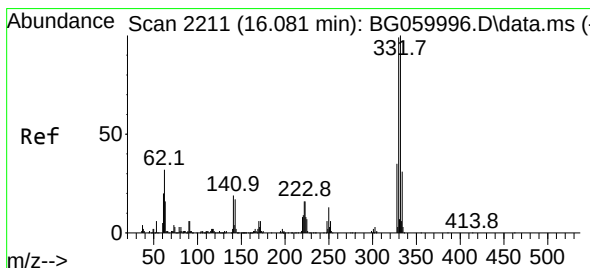
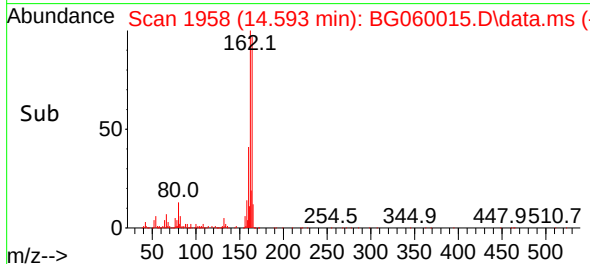
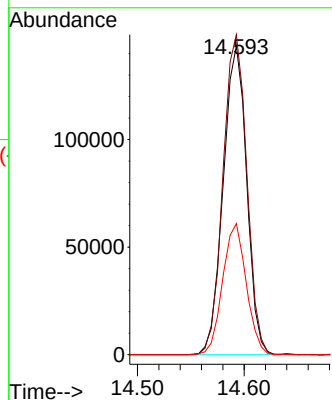
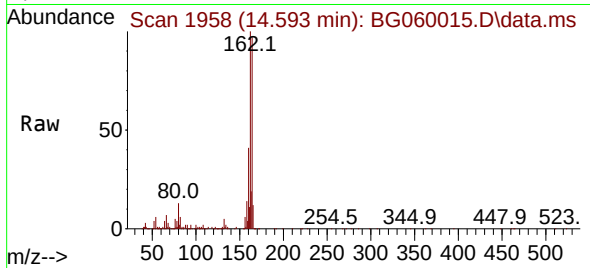




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.593 min Scan# 1958
Delta R.T. -0.001 min
Lab File: BG060015.D
Acq: 14 Dec 2023 17:02

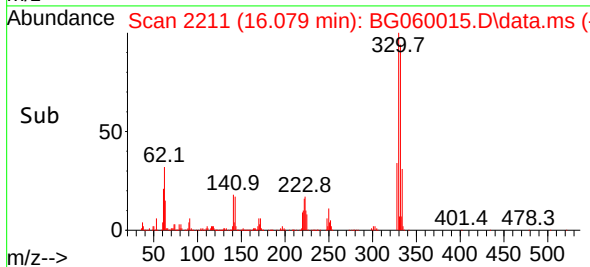
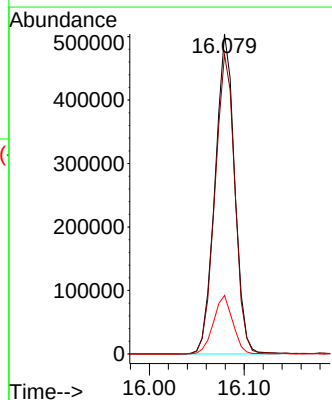
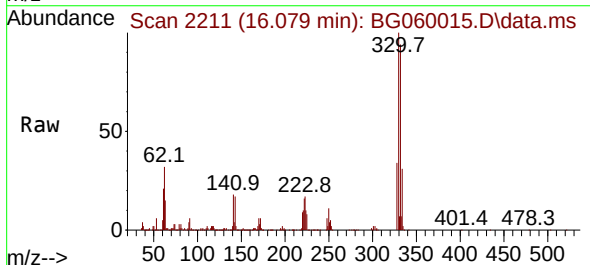
Instrument :
BNA_G
ClientSampleId :
WC-SOIL-20231206

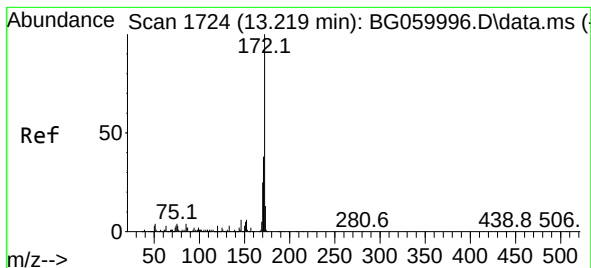
Tgt Ion:164 Resp: 219107
Ion Ratio Lower Upper
164 100
162 103.6 88.1 132.1
160 42.5 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 141.541 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.001 min
Lab File: BG060015.D
Acq: 14 Dec 2023 17:02

Tgt Ion:330 Resp: 722736
Ion Ratio Lower Upper
330 100
332 95.4 76.2 114.4
141 18.1 14.3 21.5

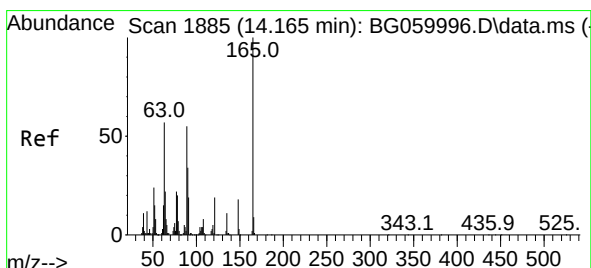
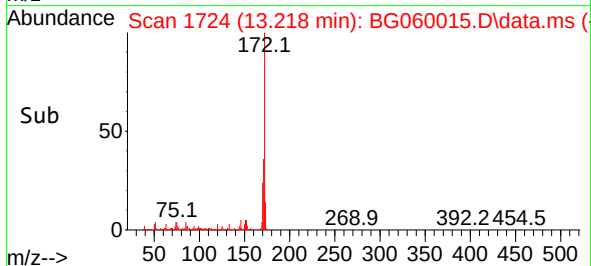
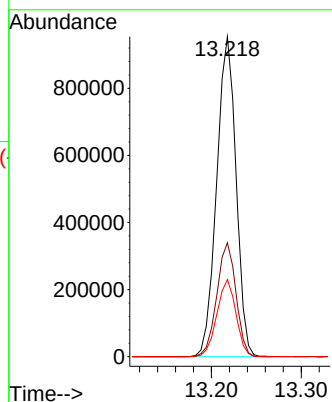
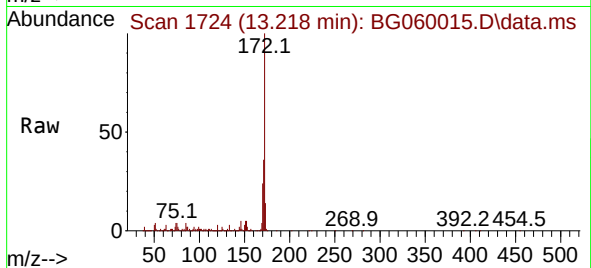




#45
2-Fluorobiphenyl
Concen: 79.816 ng
RT: 13.218 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG060015.D
Acq: 14 Dec 2023 17:02

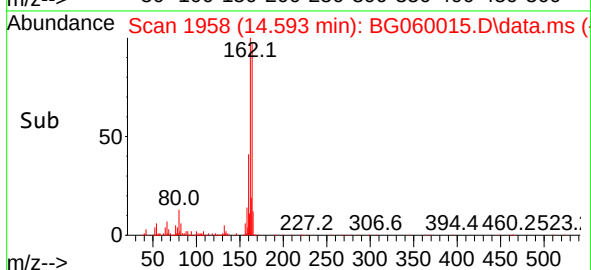
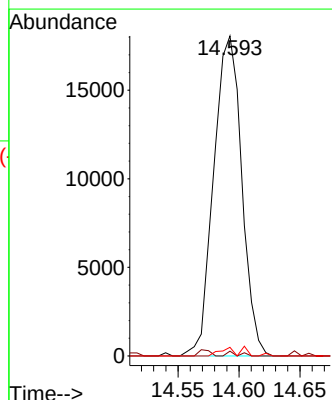
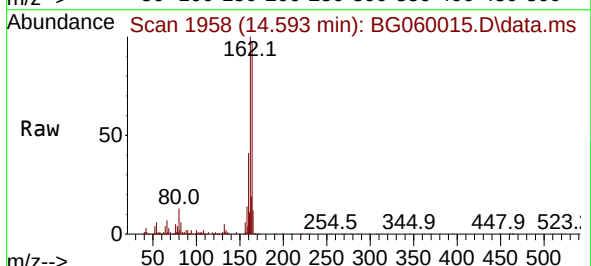
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ClientSampleId :
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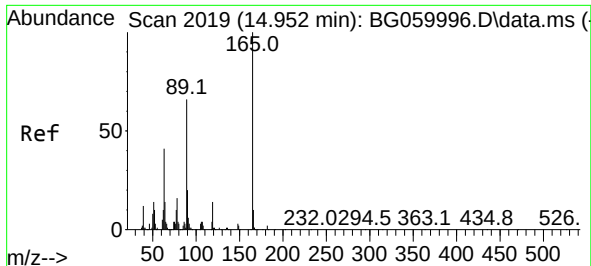
Tgt Ion:172 Resp: 1428898
Ion Ratio Lower Upper
172 100
171 35.6 30.1 45.1
170 24.1 20.0 30.0



#51
2,6-Dinitrotoluene
Concen: 8.206 ng
RT: 14.593 min Scan# 1958
Delta R.T. 0.427 min
Lab File: BG060015.D
Acq: 14 Dec 2023 17:02

Tgt Ion:165 Resp: 28909
Ion Ratio Lower Upper
165 100
63 1.5 48.2 72.2#
89 2.7 44.4 66.6#





#57

2,4-Dinitrotoluene

Concen: 5.837 ng

RT: 14.593 min Scan# 1958

Delta R.T. -0.360 min

Lab File: BG060015.D

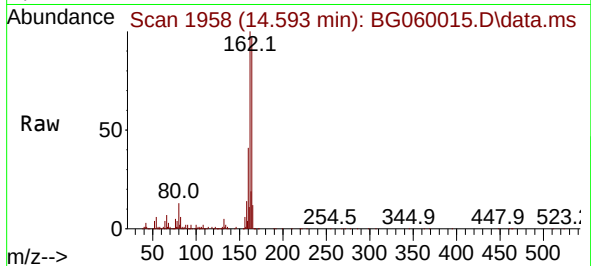
Acq: 14 Dec 2023 17:02

Instrument :

BNA_G

ClientSampleId :

WC-SOIL-20231206



Tgt Ion:165 Resp: 28909

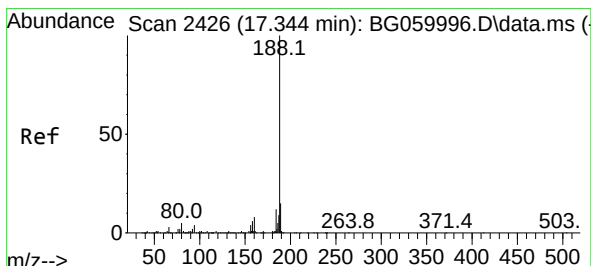
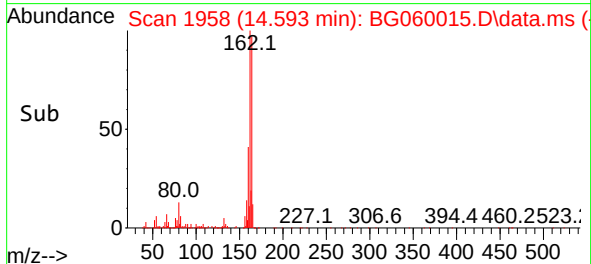
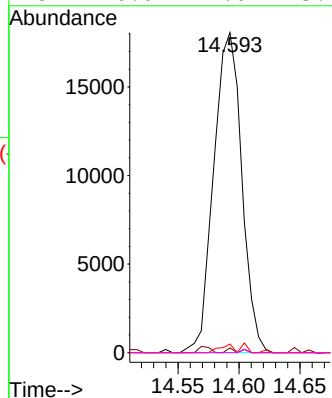
Ion Ratio Lower Upper

165 100

63 1.5 32.8 49.2#

89 2.7 53.0 79.6#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.336 min Scan# 2425

Delta R.T. -0.007 min

Lab File: BG060015.D

Acq: 14 Dec 2023 17:02

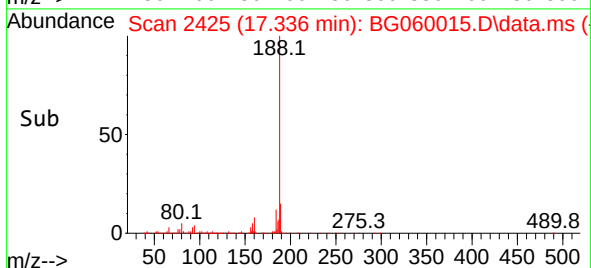
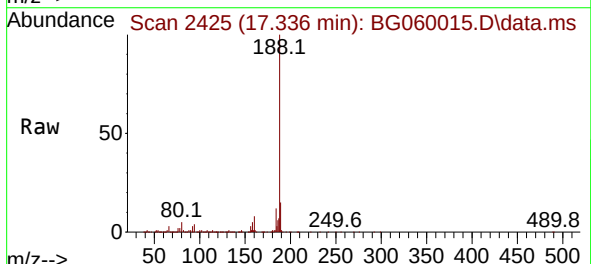
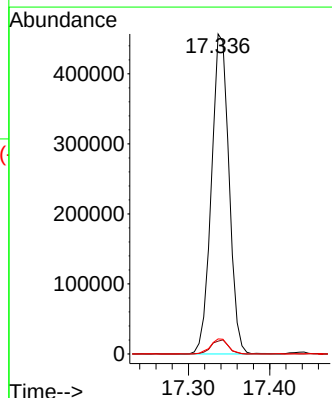
Tgt Ion:188 Resp: 685515

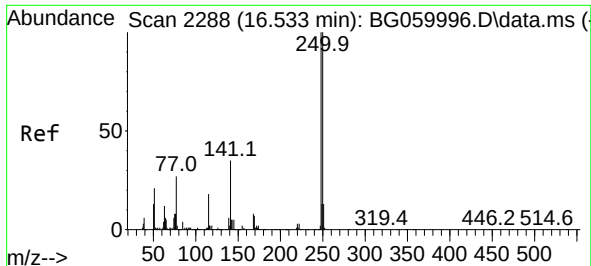
Ion Ratio Lower Upper

188 100

94 4.0 3.0 4.6

80 4.7 4.0 6.0

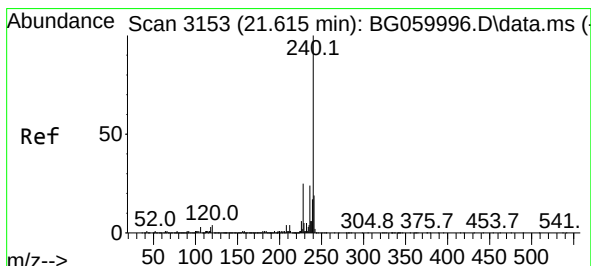
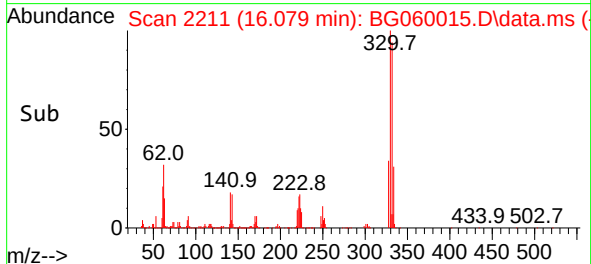
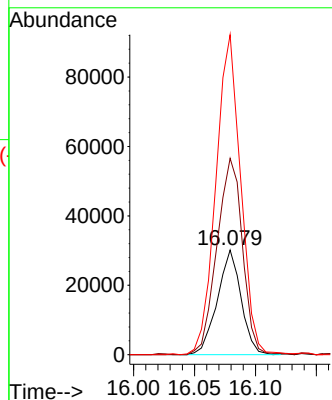
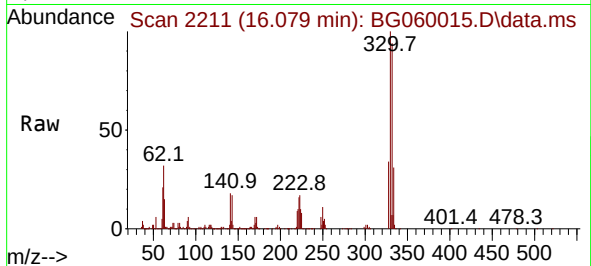




#67
4-Bromophenyl-phenylether
Concen: 4.236 ng
RT: 16.079 min Scan# 2111
Delta R.T. -0.454 min
Lab File: BG060015.D
Acq: 14 Dec 2023 17:02

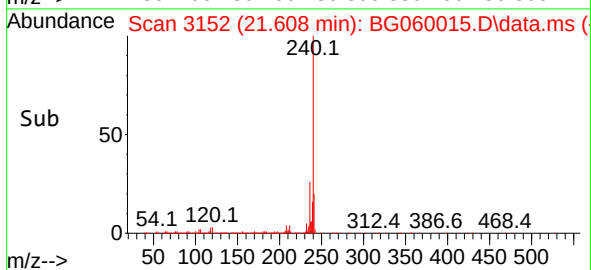
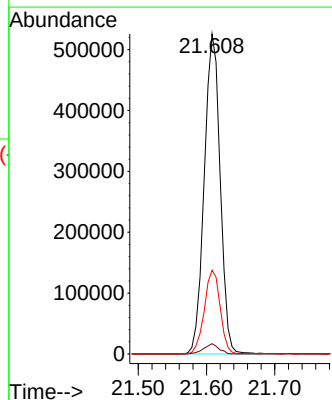
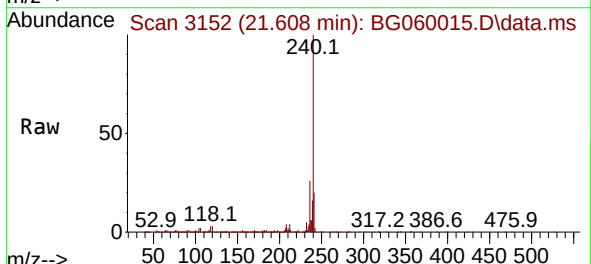
Instrument :
BNA_G
ClientSampleId :
WC-SOIL-20231206

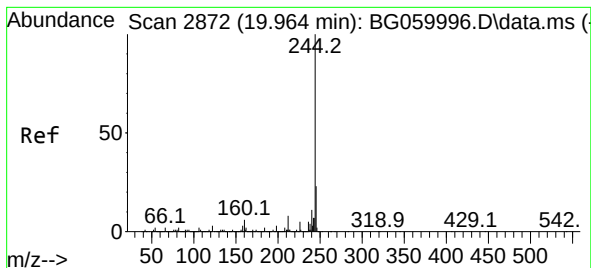
Tgt Ion:248 Resp: 40967
Ion Ratio Lower Upper
248 100
250 187.4 79.9 119.9#
141 305.6 28.3 42.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.608 min Scan# 3152
Delta R.T. -0.007 min
Lab File: BG060015.D
Acq: 14 Dec 2023 17:02

Tgt Ion:240 Resp: 853393
Ion Ratio Lower Upper
240 100
120 3.2 2.9 4.3
236 26.1 19.4 29.2





#79

Terphenyl-d14

Concen: 84.619 ng

RT: 19.963 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG060015.D

Acq: 14 Dec 2023 17:02

Instrument :

BNA_G

ClientSampleId :

WC-SOIL-20231206

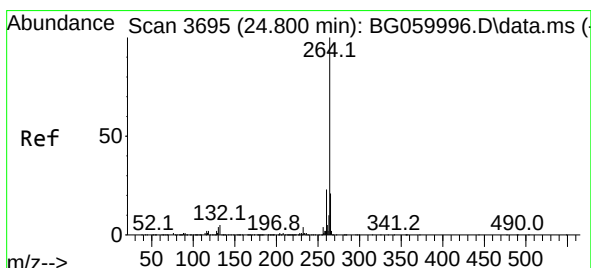
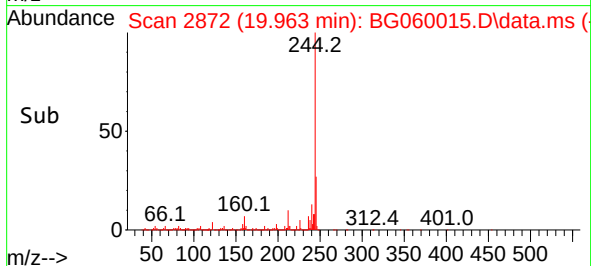
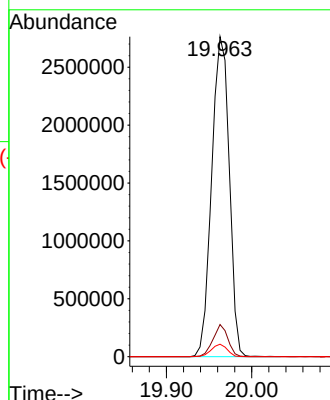
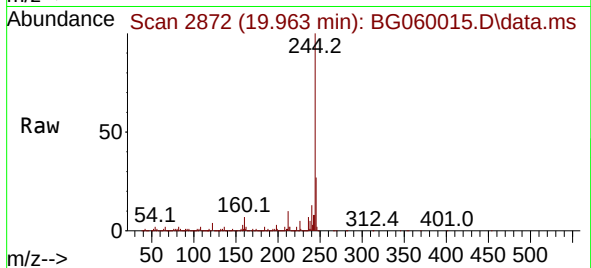
Tgt Ion:244 Resp: 3955356

Ion Ratio Lower Upper

244 100

212 10.1 6.8 10.2

122 3.9 2.6 3.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.792 min Scan# 3694

Delta R.T. -0.007 min

Lab File: BG060015.D

Acq: 14 Dec 2023 17:02

Tgt Ion:264 Resp: 978012

Ion Ratio Lower Upper

264 100

260 24.8 18.5 27.7

265 21.9 17.3 25.9

