

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
 Data File : BG050700.D
 Acq On : 22 Oct 2021 22:23
 Operator : CG/JU
 Sample : M4306-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-PIT-SOIL

Quant Time: Oct 23 01:45:57 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 14 10:56:22 2021
 Response via : Initial Calibration

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

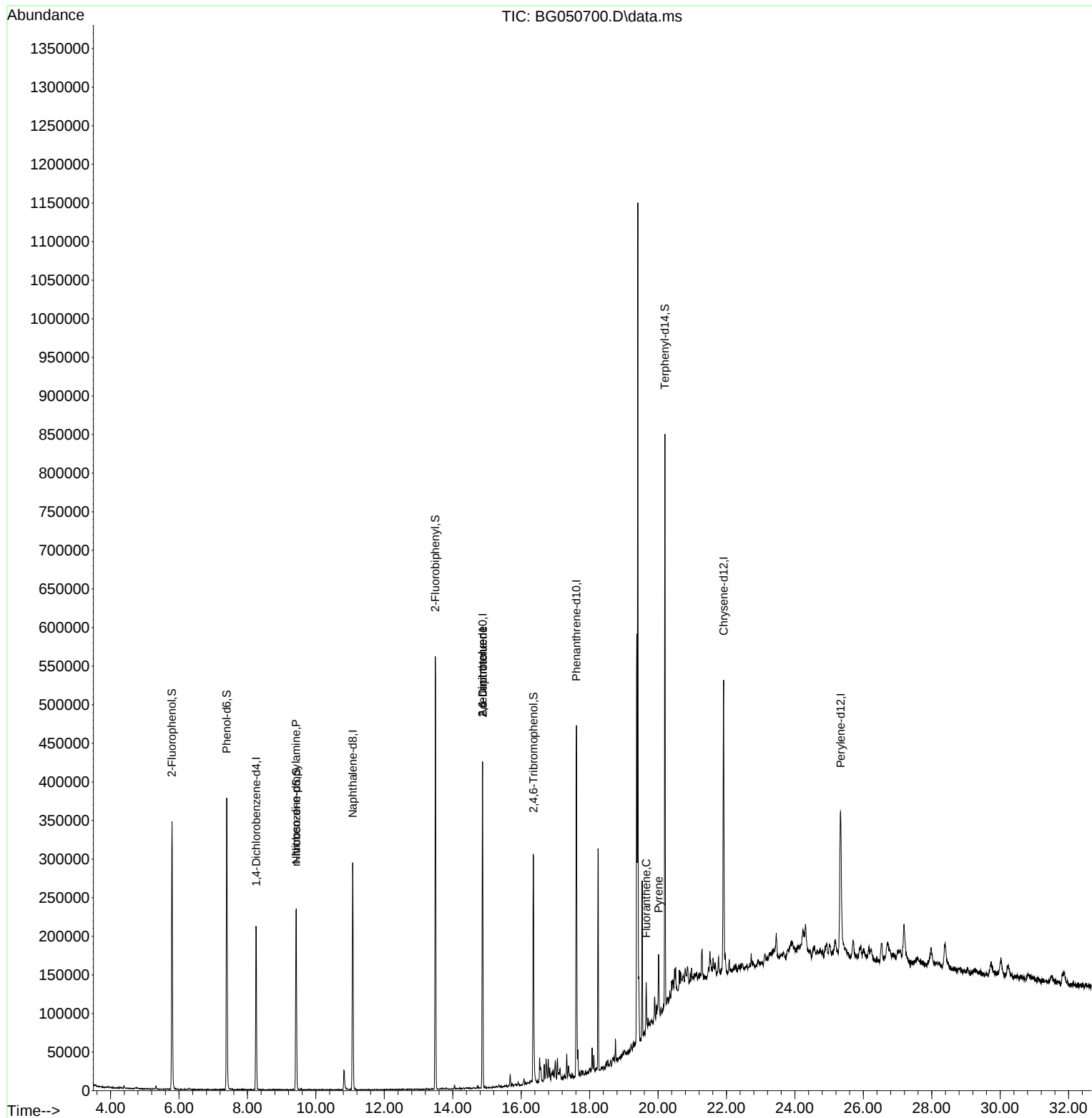
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.256	152	56867	20.000	ng	# 0.00
21) Naphthalene-d8	11.076	136	241689	20.000	ng	# 0.00
39) Acenaphthene-d10	14.872	164	146270	20.000	ng	0.00
64) Phenanthrene-d10	17.616	188	274822	20.000	ng	# 0.00
76) Chrysene-d12	21.917	240	224247	20.000	ng	# 0.00
86) Perylene-d12	25.336	264	207911	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.794	112	159756	42.014	ng	0.00
7) Phenol-d6	7.393	99	224697	40.815	ng	0.00
23) Nitrobenzene-d5	9.425	82	154565	26.473	ng	0.00
42) 2,4,6-Tribromophenol	16.359	330	49687	35.614	ng	0.00
45) 2-Fluorobiphenyl	13.491	172	278547	28.661	ng	-0.01
79) Terphenyl-d14	20.201	244	323042	28.074	ng	0.00
Target Compounds						
9) Benzaldehyde	7.381	77	152	Below Cal		Qvalue # 10
19) n-Nitroso-di-n-propyla...	9.420	70	21650	5.395	ng	# 69
51) 2,6-Dinitrotoluene	14.872	165	18726	8.456	ng	# 12
57) 2,4-Dinitrotoluene	14.872	165	18726	5.999	ng	# 18
75) Fluoranthene	19.655	202	35746	2.008	ng	93
78) Pyrene	20.019	202	34963	2.198	ng	96

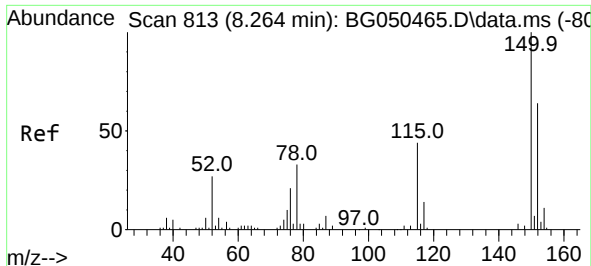
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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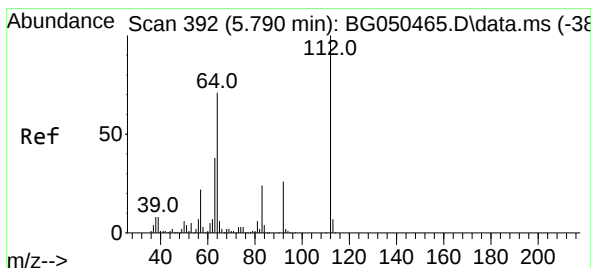
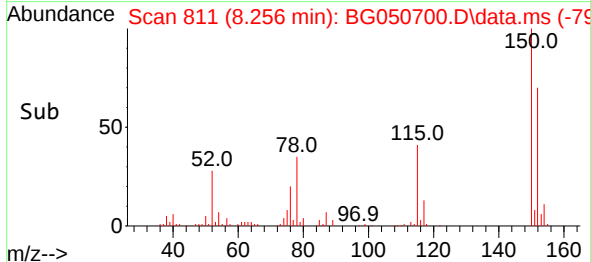
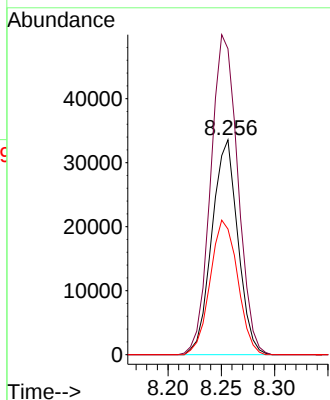
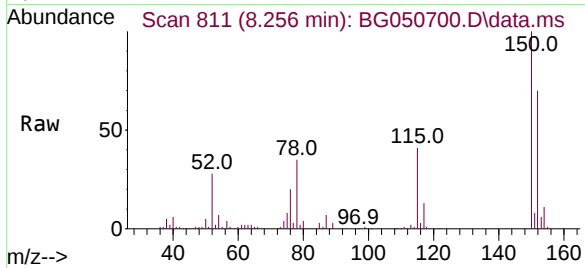




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.256 min Scan# 811
Delta R.T. -0.002 min
Lab File: BG050700.D
Acq: 22 Oct 2021 22:23

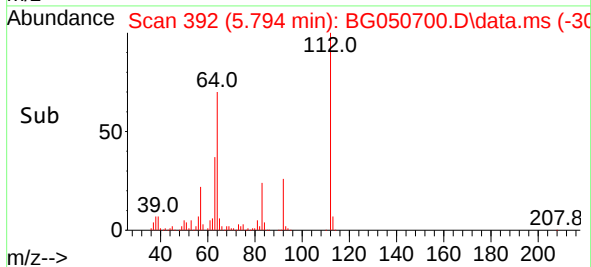
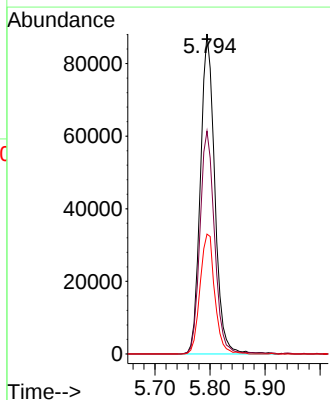
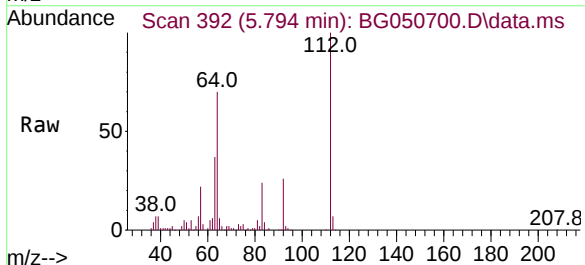
Instrument :
BNA_G
ClientSampleId :
MH-PIT-SOIL

Tgt Ion:152 Resp: 56867
Ion Ratio Lower Upper
152 100
150 142.4 119.4 179.0
115 58.4 60.2 90.4#



#5
2-Fluorophenol
Concen: 42.014 ng
RT: 5.794 min Scan# 392
Delta R.T. 0.004 min
Lab File: BG050700.D
Acq: 22 Oct 2021 22:23

Tgt Ion:112 Resp: 159756
Ion Ratio Lower Upper
112 100
64 69.7 46.7 70.1
63 37.5 35.3 52.9

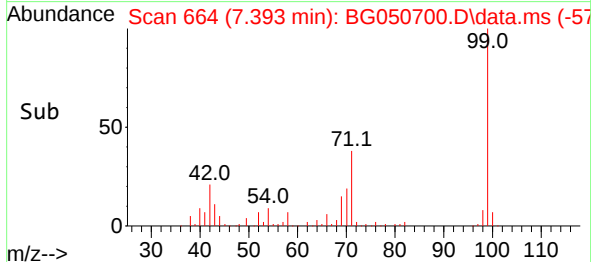
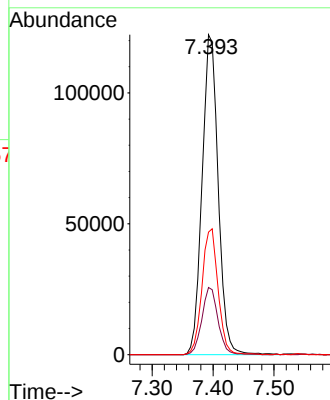
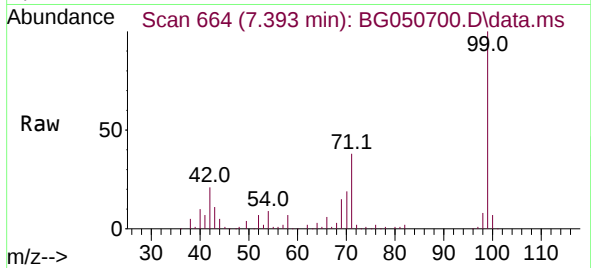




#7
Phenol-d6
Concen: 40.815 ng
RT: 7.393 min Scan# 664
Delta R.T. -0.008 min
Lab File: BG050700.D
Acq: 22 Oct 2021 22:23

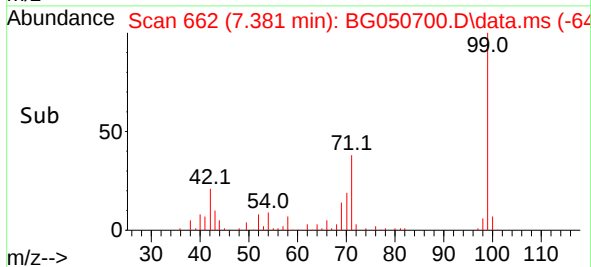
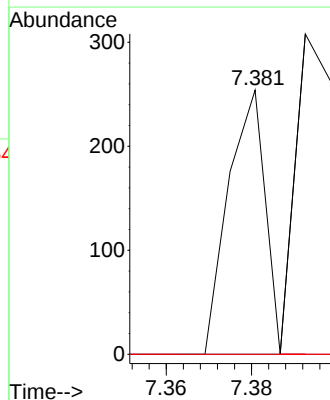
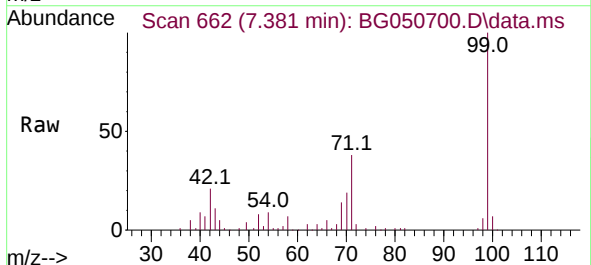
Instrument :
BNA_G
ClientSampleId :
MH-PIT-SOIL

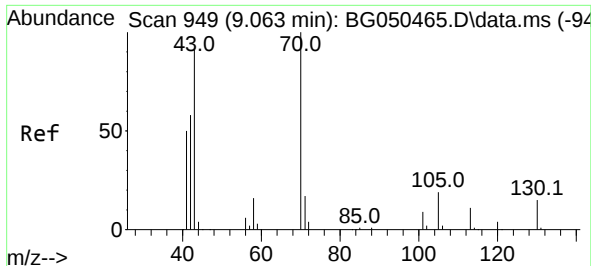
Tgt Ion: 99 Resp: 224697
Ion Ratio Lower Upper
99 100
42 21.0 20.5 30.7
71 38.3 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.381 min Scan# 662
Delta R.T. -0.008 min
Lab File: BG050700.D
Acq: 22 Oct 2021 22:23

Tgt Ion: 77 Resp: 152
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#

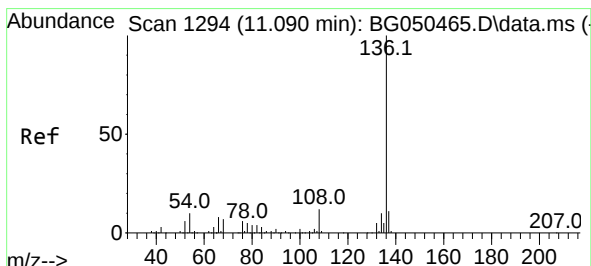
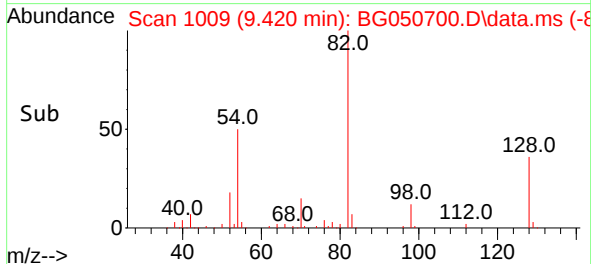
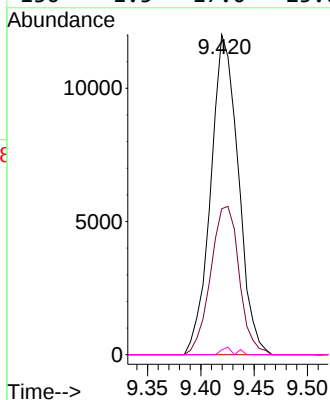
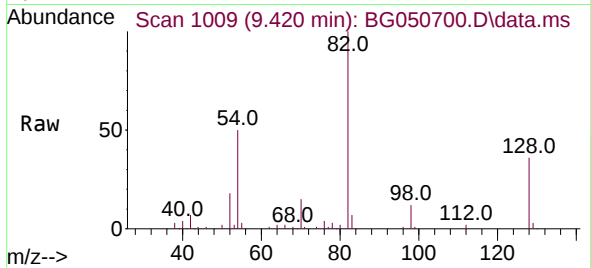




#19
n-Nitroso-di-n-propylamine
Concen: 5.395 ng
RT: 9.420 min Scan# 1009
Delta R.T. 0.362 min
Lab File: BG050700.D
Acq: 22 Oct 2021 22:23

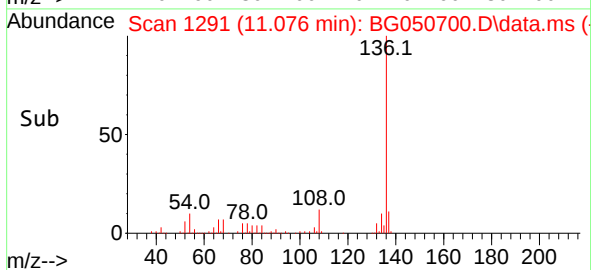
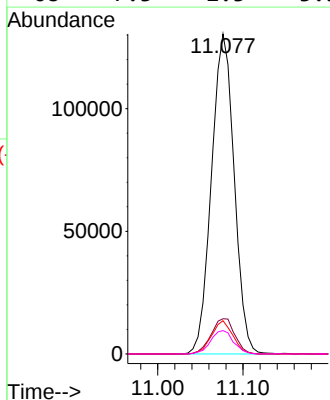
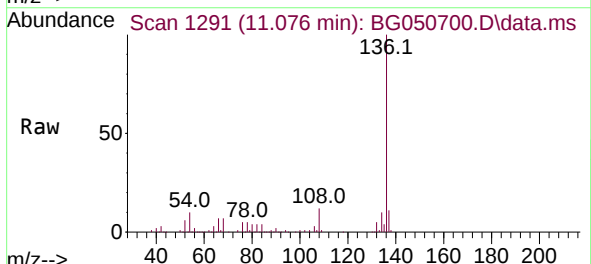
Instrument :
BNA_G
ClientSampled :
MH-PIT-SOIL

Tgt Ion: 70 Resp: 21650
Ion Ratio Lower Upper
70 100
42 45.6 54.5 81.7#
101 0.0 9.0 13.6#
130 1.5 17.0 25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.076 min Scan# 1291
Delta R.T. -0.008 min
Lab File: BG050700.D
Acq: 22 Oct 2021 22:23

Tgt Ion:136 Resp: 241689
Ion Ratio Lower Upper
136 100
137 11.0 8.2 12.2
54 10.4 5.5 8.3#
68 7.3 2.3 3.5#

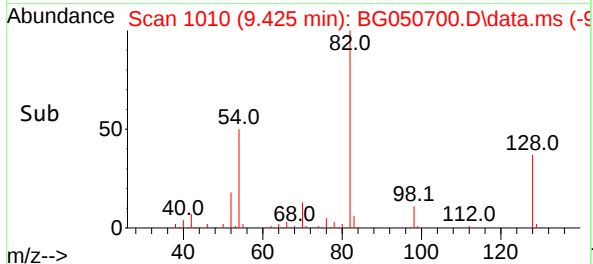
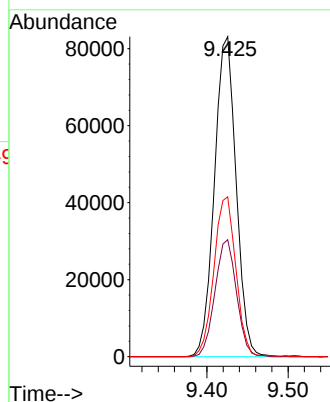
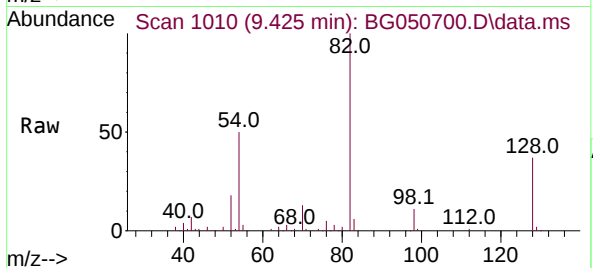




#23
Nitrobenzene-d5
Concen: 26.473 ng
RT: 9.425 min Scan# 1010
Delta R.T. -0.002 min
Lab File: BG050700.D
Acq: 22 Oct 2021 22:23

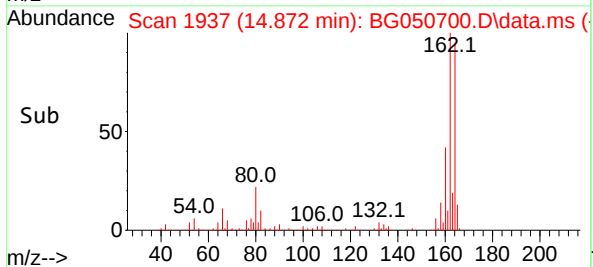
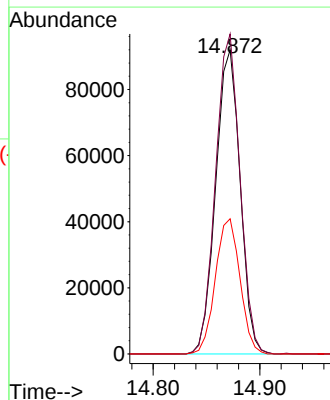
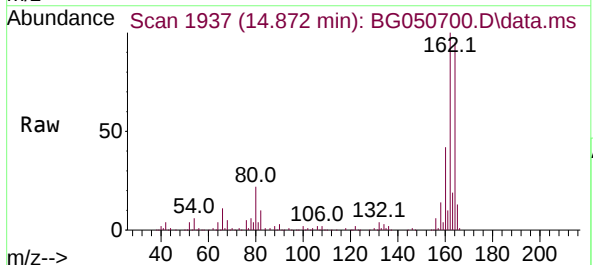
Instrument :
BNA_G
ClientSampleId :
MH-PIT-SOIL

Tgt Ion: 82 Resp: 154565
Ion Ratio Lower Upper
82 100
128 36.6 29.8 44.6
54 49.9 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.872 min Scan# 1937
Delta R.T. -0.002 min
Lab File: BG050700.D
Acq: 22 Oct 2021 22:23

Tgt Ion:164 Resp: 146270
Ion Ratio Lower Upper
164 100
162 105.2 81.4 122.0
160 44.5 34.9 52.3

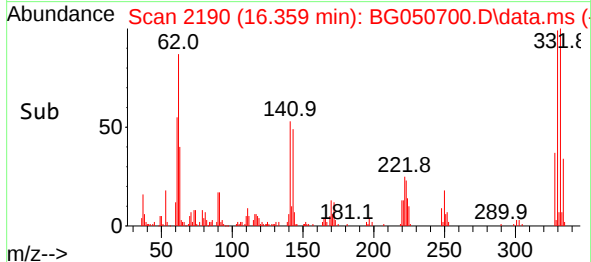
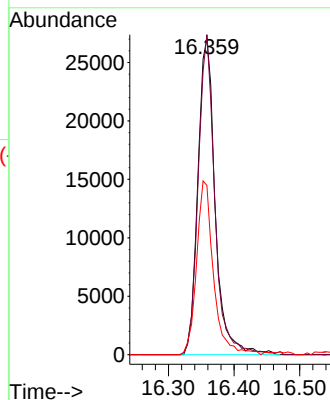
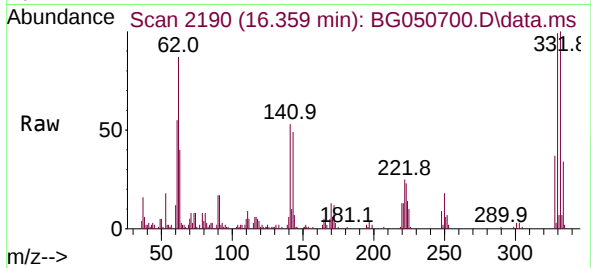




#42
2,4,6-Tribromophenol
Concen: 35.614 ng
RT: 16.359 min Scan# 2190
Delta R.T. -0.002 min
Lab File: BG050700.D
Acq: 22 Oct 2021 22:23

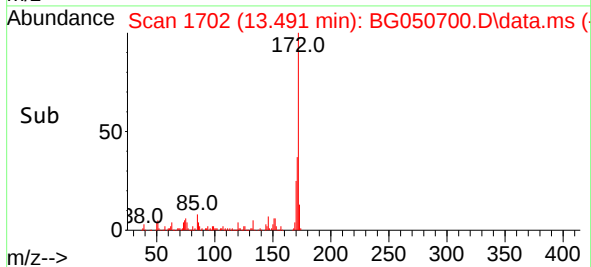
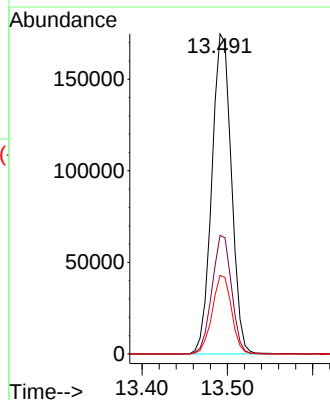
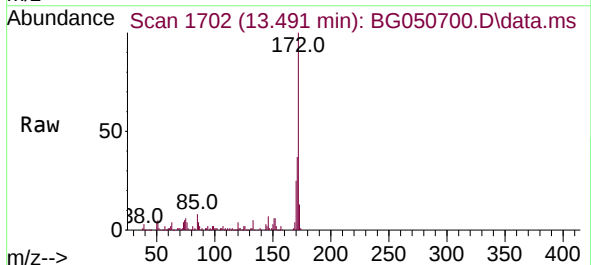
Instrument :
BNA_G
ClientSampled :
MH-PIT-SOIL

Tgt Ion:330 Resp: 49687
Ion Ratio Lower Upper
330 100
332 97.3 77.3 115.9
141 53.7 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 28.661 ng
RT: 13.491 min Scan# 1702
Delta R.T. -0.014 min
Lab File: BG050700.D
Acq: 22 Oct 2021 22:23

Tgt Ion:172 Resp: 278547
Ion Ratio Lower Upper
172 100
171 37.1 28.6 43.0
170 24.5 18.6 27.8

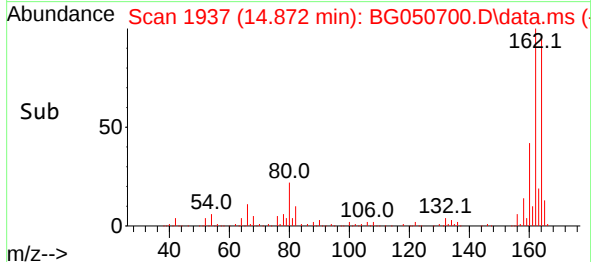
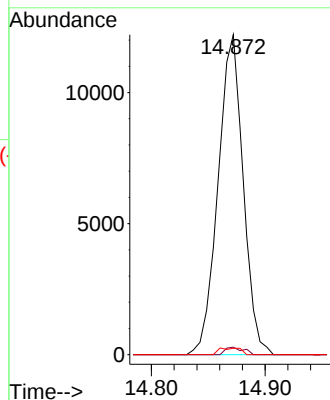
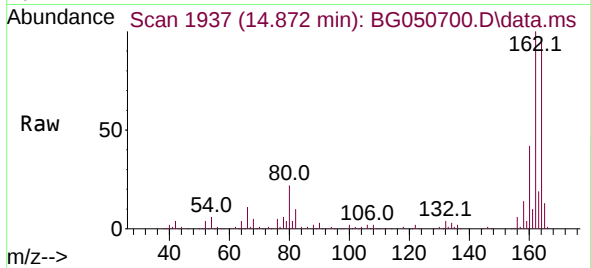




#51
2,6-Dinitrotoluene
Concen: 8.456 ng
RT: 14.872 min Scan# 1937
Delta R.T. 0.427 min
Lab File: BG050700.D
Acq: 22 Oct 2021 22:23

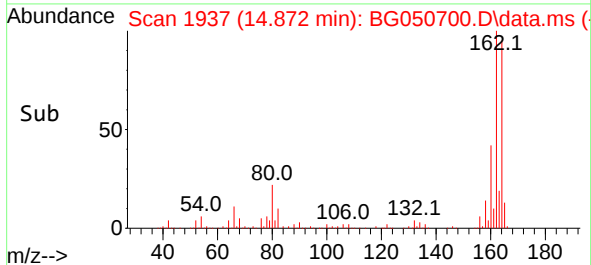
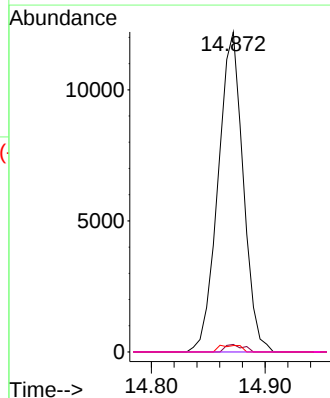
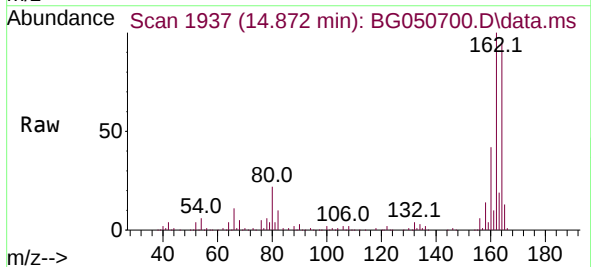
Instrument :
BNA_G
ClientSampled :
MH-PIT-SOIL

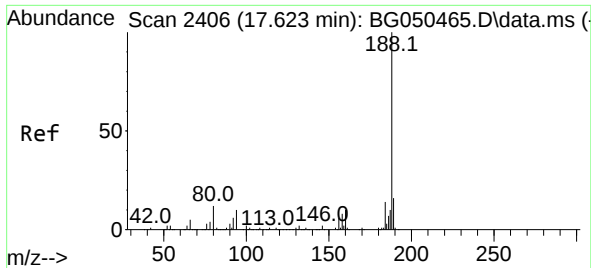
Tgt Ion:165 Resp: 18726
Ion Ratio Lower Upper
165 100
63 2.3 63.3 94.9#
89 2.0 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 5.999 ng
RT: 14.872 min Scan# 1937
Delta R.T. -0.355 min
Lab File: BG050700.D
Acq: 22 Oct 2021 22:23

Tgt Ion:165 Resp: 18726
Ion Ratio Lower Upper
165 100
63 2.3 48.0 72.0#
89 2.0 65.4 98.0#
182 0.0 2.0 3.0#

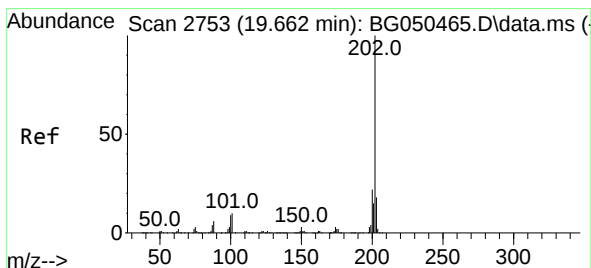
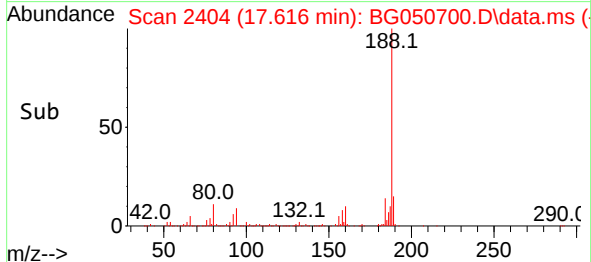
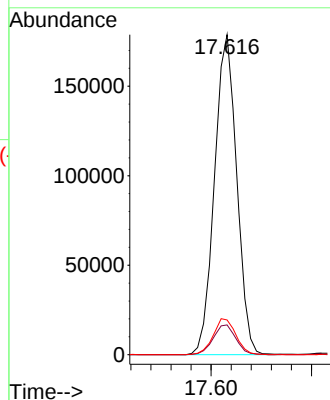
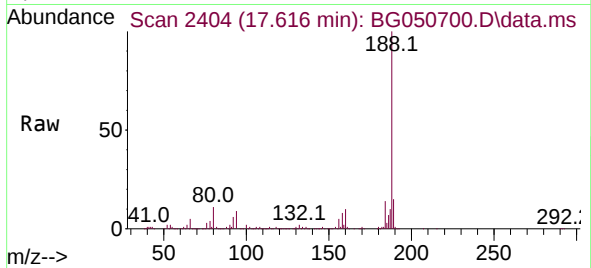




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.616 min Scan# 2404
Delta R.T. -0.002 min
Lab File: BG050700.D
Acq: 22 Oct 2021 22:23

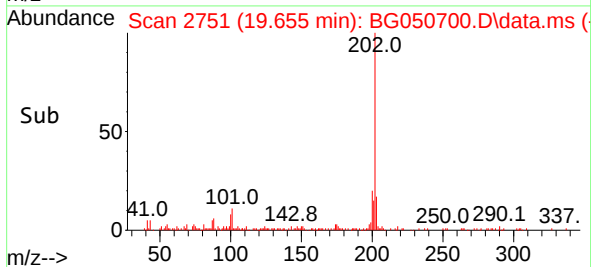
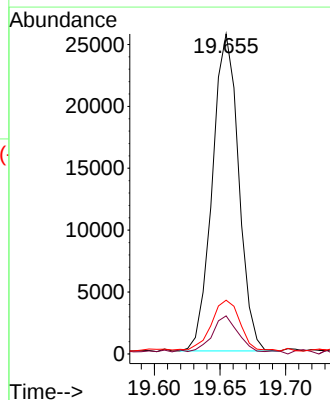
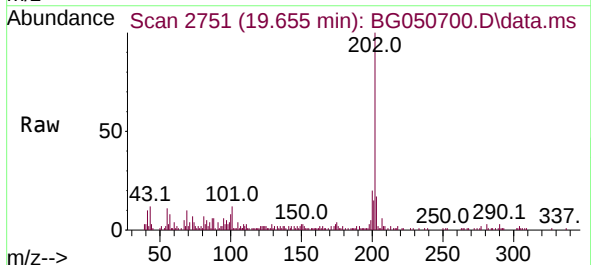
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BNA_G
ClientSampleId :
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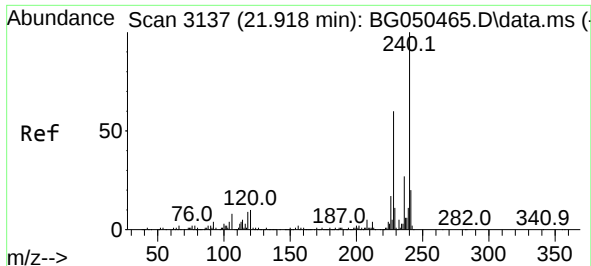
Tgt Ion:188 Resp: 274822
Ion Ratio Lower Upper
188 100
94 9.3 5.4 8.0#
80 10.8 3.7 5.5#



#75
Fluoranthene
Concen: 2.008 ng
RT: 19.655 min Scan# 2751
Delta R.T. -0.008 min
Lab File: BG050700.D
Acq: 22 Oct 2021 22:23

Tgt Ion:202 Resp: 35746
Ion Ratio Lower Upper
202 100
101 11.9 0.0 24.7
203 16.8 0.0 38.5

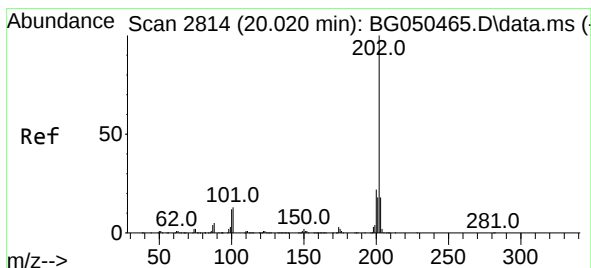
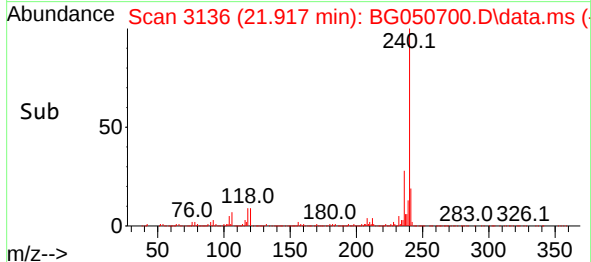
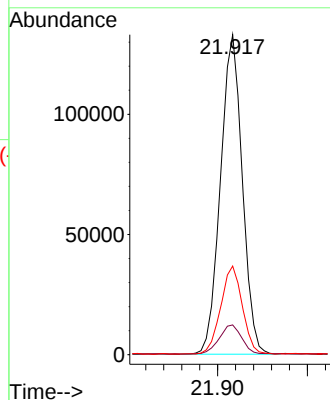
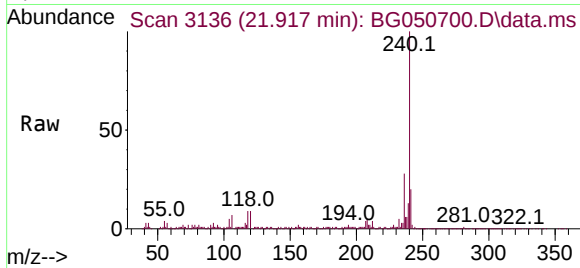




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.917 min Scan# 3136
Delta R.T. -0.008 min
Lab File: BG050700.D
Acq: 22 Oct 2021 22:23

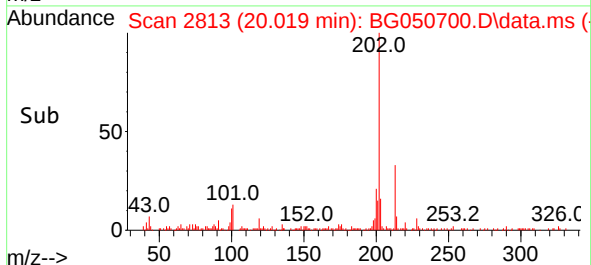
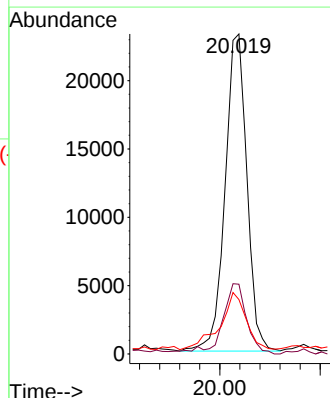
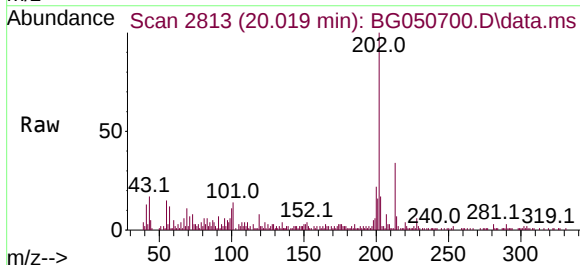
Instrument :
BNA_G
ClientSampleId :
MH-PIT-SOIL

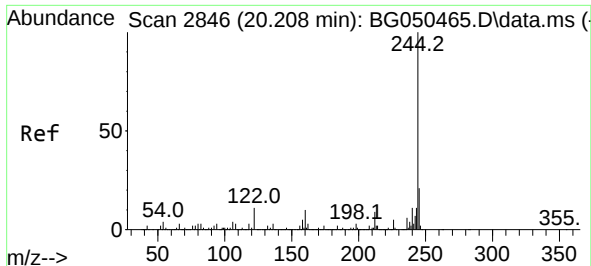
Tgt Ion:240 Resp: 224247
Ion Ratio Lower Upper
240 100
120 9.3 4.2 6.2#
236 27.7 21.8 32.6



#78
Pyrene
Concen: 2.198 ng
RT: 20.019 min Scan# 2813
Delta R.T. -0.002 min
Lab File: BG050700.D
Acq: 22 Oct 2021 22:23

Tgt Ion:202 Resp: 34963
Ion Ratio Lower Upper
202 100
200 21.8 15.8 23.8
203 17.0 14.6 21.8

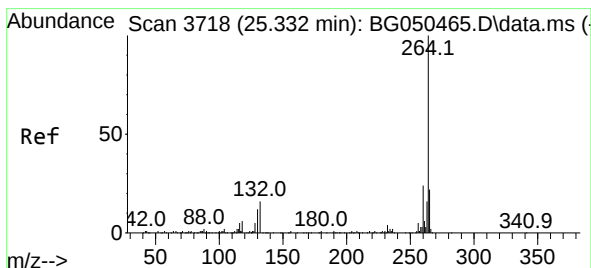
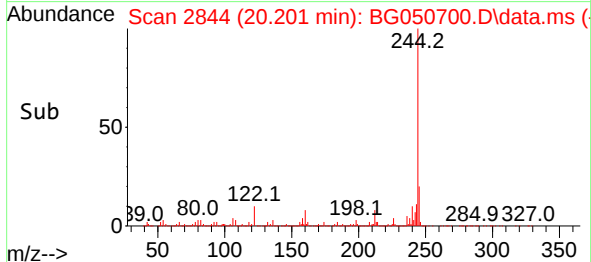
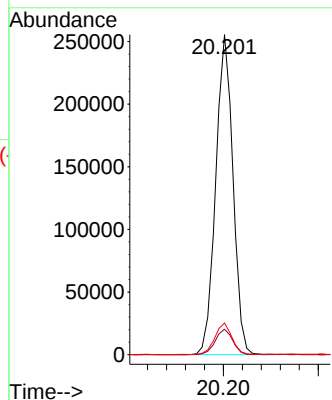
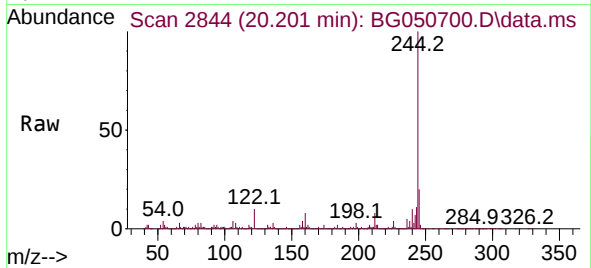




#79
 Terphenyl-d14
 Concen: 28.074 ng
 RT: 20.201 min Scan# 2844
 Delta R.T. -0.008 min
 Lab File: BG050700.D
 Acq: 22 Oct 2021 22:23

Instrument :
 BNA_G
 ClientSampleId :
 MH-PIT-SOIL

Tgt Ion:244 Resp: 323042
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.9 10.3
 122 9.9 5.0 7.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.336 min Scan# 3718
 Delta R.T. 0.004 min
 Lab File: BG050700.D
 Acq: 22 Oct 2021 22:23

Tgt Ion:264 Resp: 207911
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.4 29.2
 265 22.1 16.9 25.3

