

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102422\
 Data File : BG055261.D
 Acq On : 24 Oct 2022 18:03
 Operator : CG/JU
 Sample : N5211-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-SOILPILE-1020

Quant Time: Oct 25 01:20:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 24 16:54:05 2022
 Response via : Initial Calibration

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

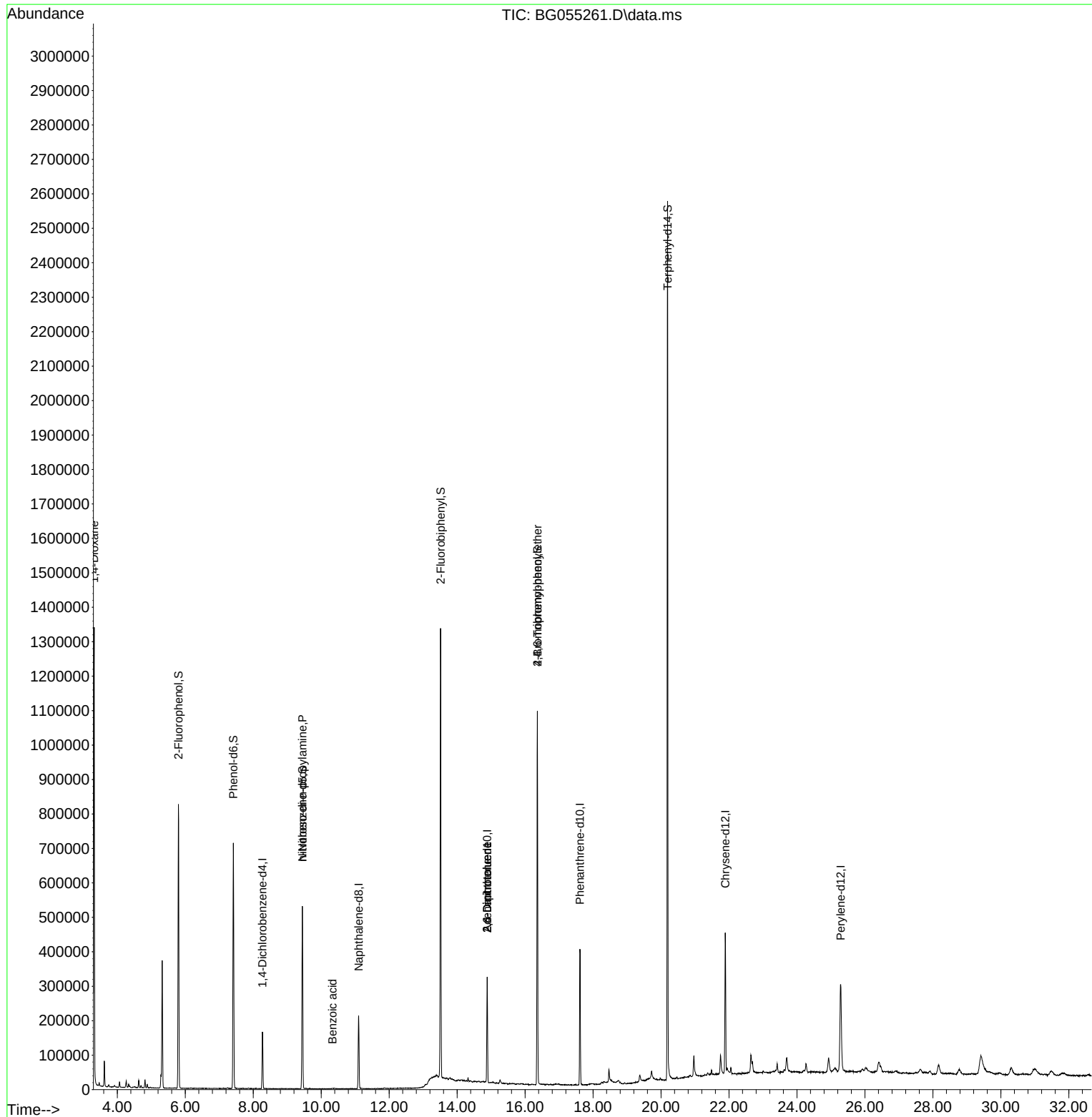
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.272	152	45428	20.000	ng	0.00
21) Naphthalene-d8	11.104	136	183262	20.000	ng	0.00
39) Acenaphthene-d10	14.882	164	106650	20.000	ng	0.00
64) Phenanthrene-d10	17.614	188	241300	20.000	ng	0.00
76) Chrysene-d12	21.891	240	240799	20.000	ng	-0.01
86) Perylene-d12	25.287	264	251958	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.798	112	360771	139.055	ng	0.00
7) Phenol-d6	7.414	99	427680	113.782	ng	0.00
23) Nitrobenzene-d5	9.447	82	332047	92.520	ng	0.00
42) 2,4,6-Tribromophenol	16.362	330	193732	167.100	ng	0.00
45) 2-Fluorobiphenyl	13.513	172	639683	98.172	ng	0.00
79) Terphenyl-d14	20.193	244	1169010	100.866	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.319	88	8068	6.440	ng	# 1
19) n-Nitroso-di-n-propyla...	9.447	70	45179	14.474	ng	# 80
32) Benzoic acid	10.334	122	493	4.375	ng	# 62
51) 2,6-Dinitrotoluene	14.882	165	14002	8.218	ng	# 21
57) 2,4-Dinitrotoluene	14.882	165	14002	5.663	ng	# 19
67) 4-Bromophenyl-phenylether	16.362	248	12776	5.450	ng	# 1

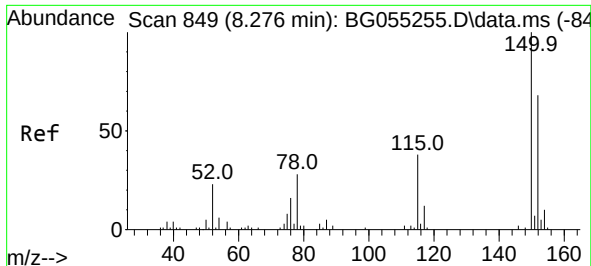
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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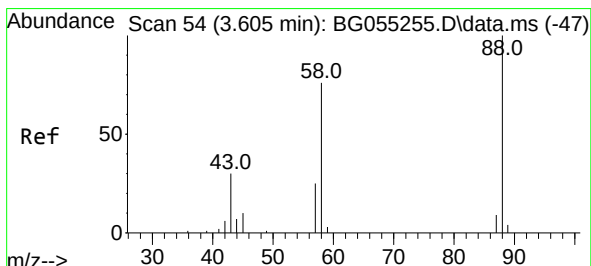
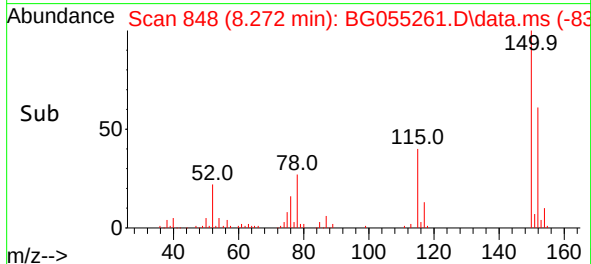
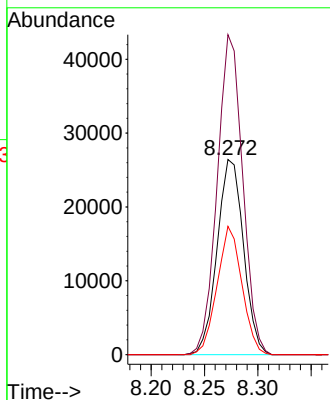
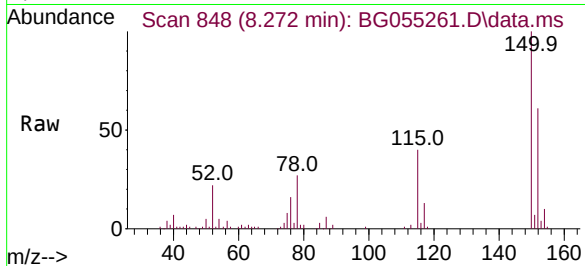




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.272 min Scan# 84
 Delta R.T. -0.004 min
 Lab File: BG055261.D
 Acq: 24 Oct 2022 18:03

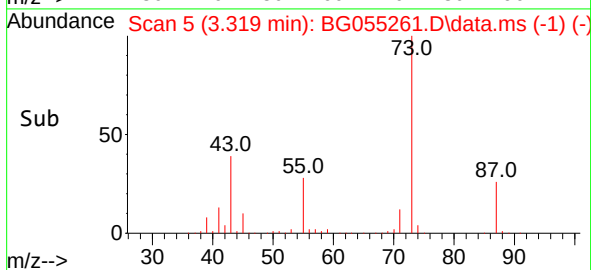
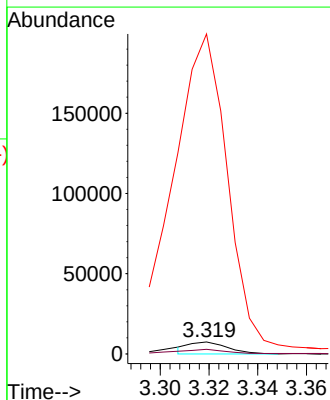
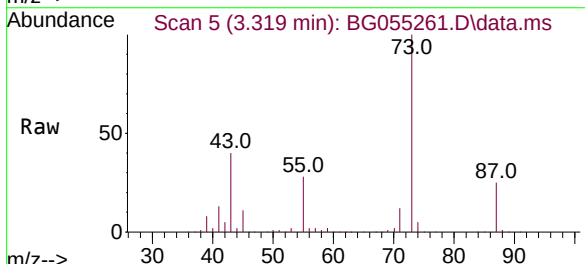
Instrument :
 BNA_G
 ClientSampleId :
 SB-SOILPILE-1020

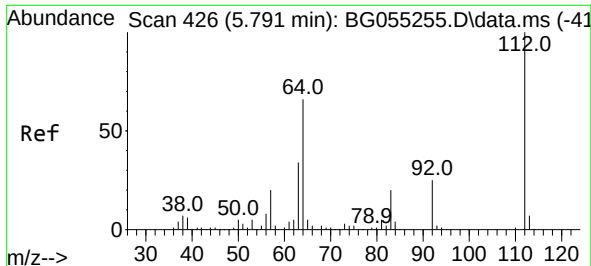
Tgt Ion:152 Resp: 45428
 Ion Ratio Lower Upper
 152 100
 150 164.0 118.2 177.4
 115 65.8 44.5 66.7



#2
 1,4-Dioxane
 Concen: 6.440 ng
 RT: 3.319 min Scan# 5
 Delta R.T. -0.286 min
 Lab File: BG055261.D
 Acq: 24 Oct 2022 18:03

Tgt Ion: 88 Resp: 8068
 Ion Ratio Lower Upper
 88 100
 58 30.3 61.0 91.6#
 43 2738.6 21.5 32.3#

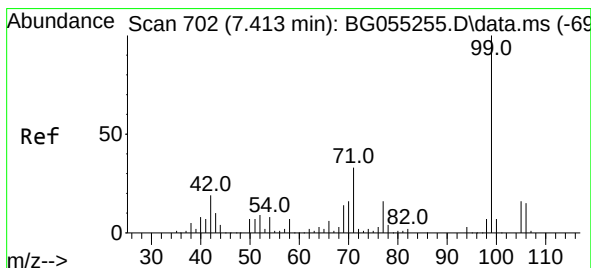
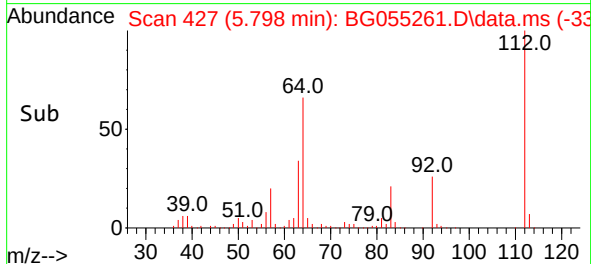
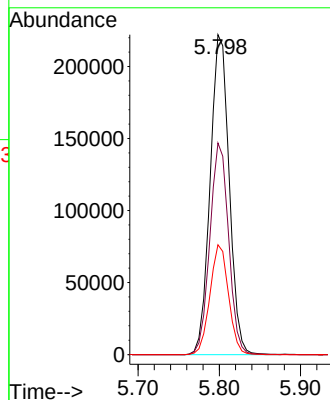
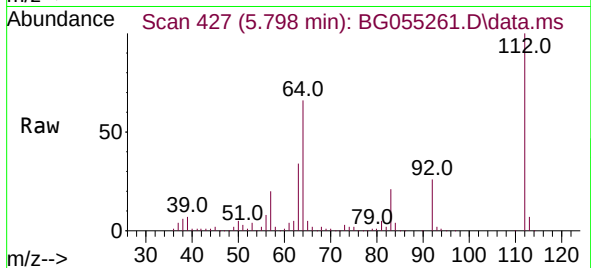




#5
2-Fluorophenol
Concen: 139.055 ng
RT: 5.798 min Scan# 41
Delta R.T. 0.007 min
Lab File: BG055261.D
Acq: 24 Oct 2022 18:03

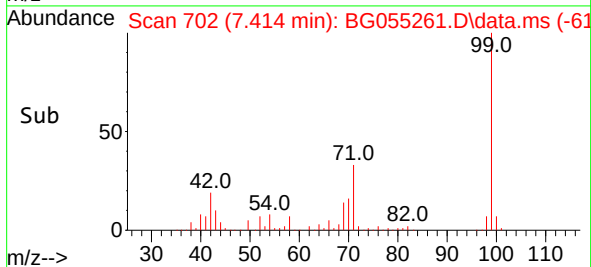
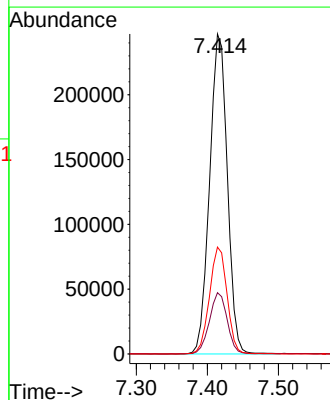
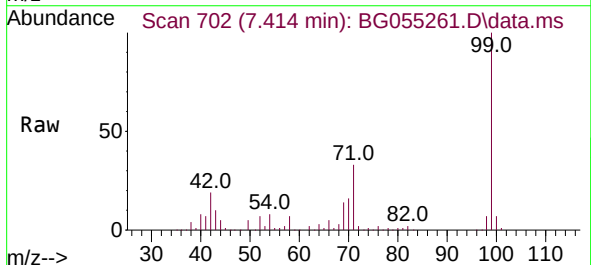
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020

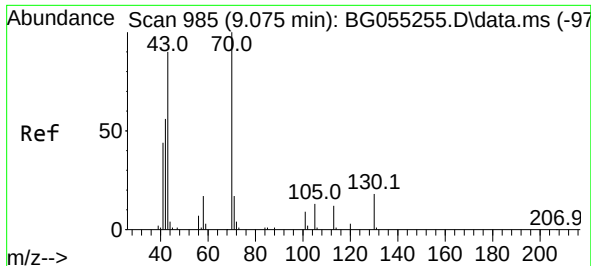
Tgt Ion:112 Resp: 360771
Ion Ratio Lower Upper
112 100
64 66.1 52.6 78.8
63 34.3 27.1 40.7



#7
Phenol-d6
Concen: 113.782 ng
RT: 7.414 min Scan# 702
Delta R.T. 0.002 min
Lab File: BG055261.D
Acq: 24 Oct 2022 18:03

Tgt Ion: 99 Resp: 427680
Ion Ratio Lower Upper
99 100
42 19.1 15.2 22.8
71 33.4 26.2 39.4





#19

n-Nitroso-di-n-propylamine

Concen: 14.474 ng

RT: 9.447 min Scan# 1048

Delta R.T. 0.372 min

Lab File: BG055261.D

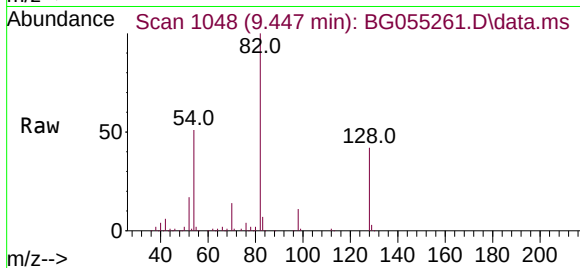
Acq: 24 Oct 2022 18:03

Instrument :

BNA_G

ClientSampleId :

SB-SOILPILE-1020



Tgt Ion: 70 Resp: 45179

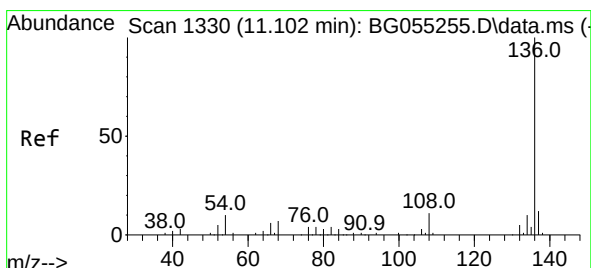
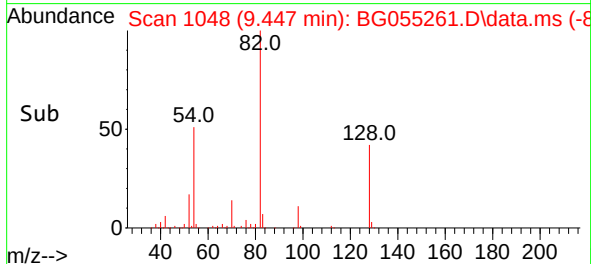
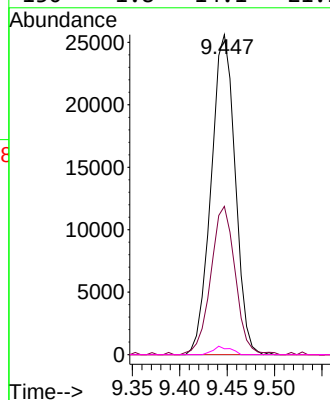
Ion Ratio Lower Upper

70 100

42 46.3 45.8 68.6

101 0.0 7.4 11.0#

130 1.8 14.1 21.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.104 min Scan# 1330

Delta R.T. 0.002 min

Lab File: BG055261.D

Acq: 24 Oct 2022 18:03

Tgt Ion: 136 Resp: 183262

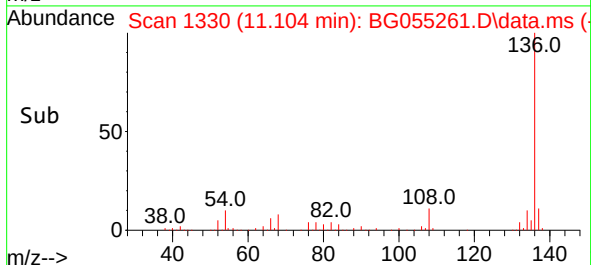
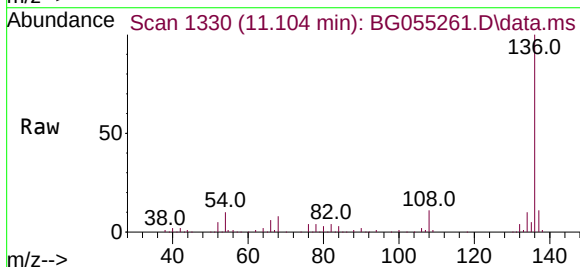
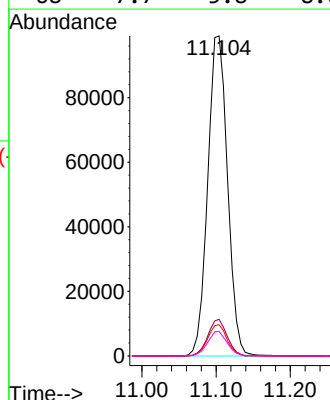
Ion Ratio Lower Upper

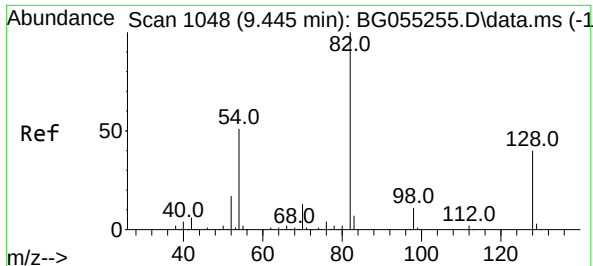
136 100

137 11.4 9.2 13.8

54 10.3 7.8 11.8

68 7.7 5.8 8.6





#23

Nitrobenzene-d5

Concen: 92.520 ng

RT: 9.447 min Scan# 1048

Delta R.T. 0.002 min

Lab File: BG055261.D

Acq: 24 Oct 2022 18:03

Instrument :

BNA_G

ClientSampleId :

SB-SOILPILE-1020

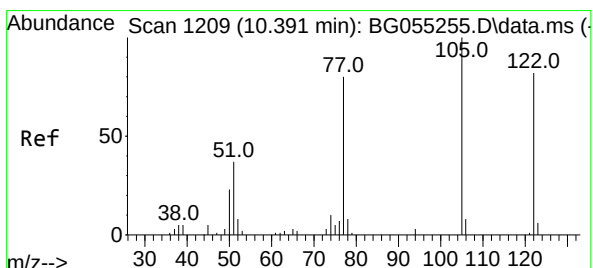
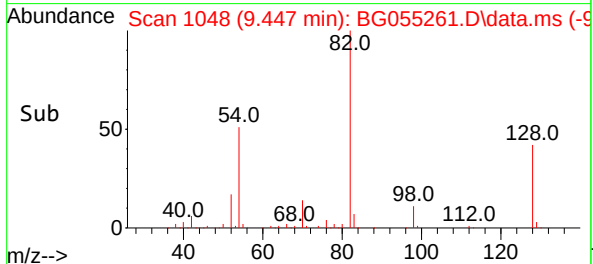
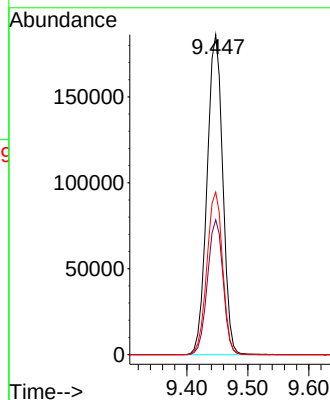
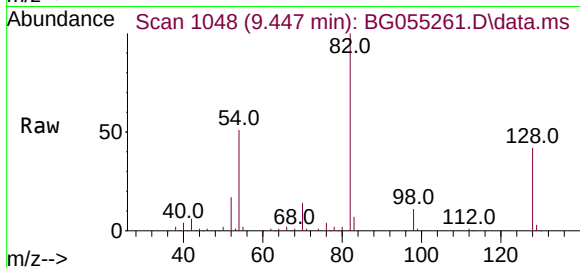
Tgt Ion: 82 Resp: 332047

Ion Ratio Lower Upper

82 100

128 42.1 32.0 48.0

54 50.8 40.9 61.3



#32

Benzoic acid

Concen: 4.375 ng

RT: 10.334 min Scan# 1199

Delta R.T. -0.057 min

Lab File: BG055261.D

Acq: 24 Oct 2022 18:03

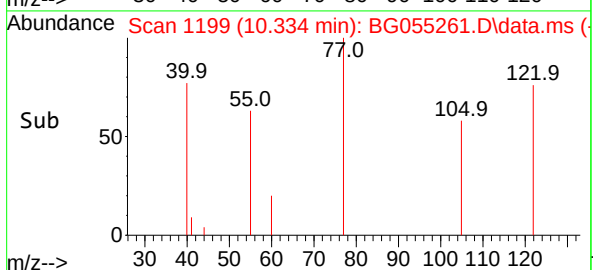
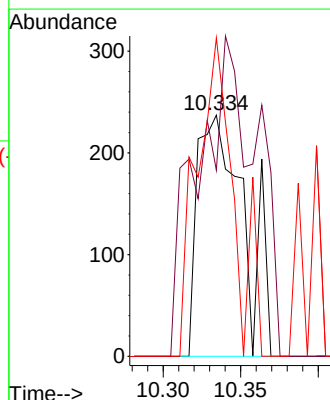
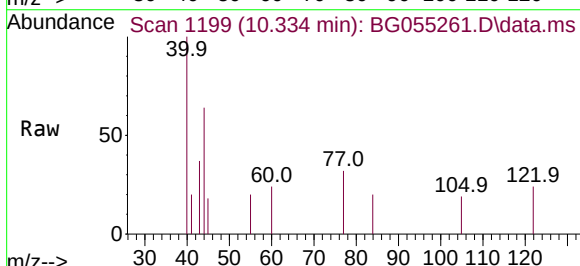
Tgt Ion: 122 Resp: 493

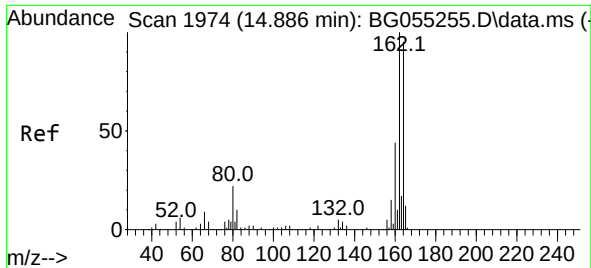
Ion Ratio Lower Upper

122 100

105 77.2 101.3 141.3#

77 132.1 76.9 116.9#

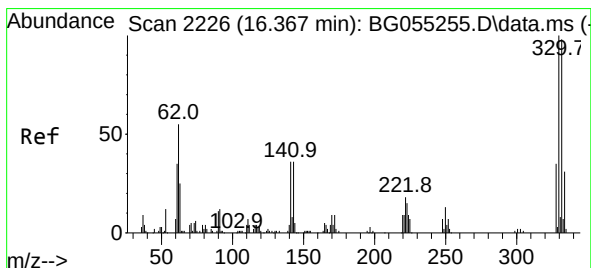
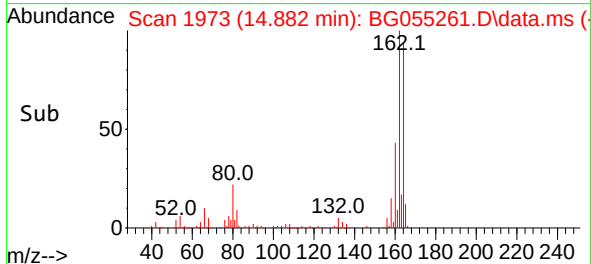
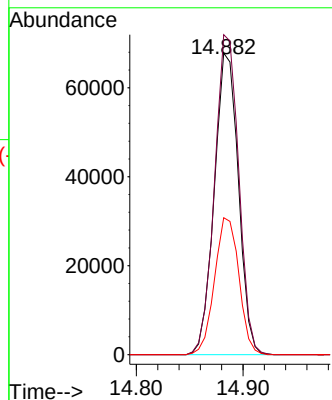
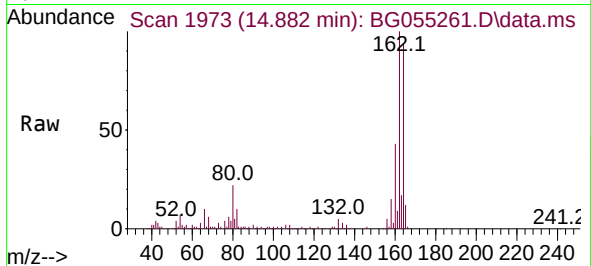




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.882 min Scan# 1974
Delta R.T. -0.004 min
Lab File: BG055261.D
Acq: 24 Oct 2022 18:03

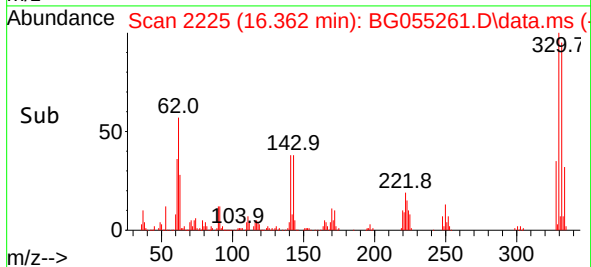
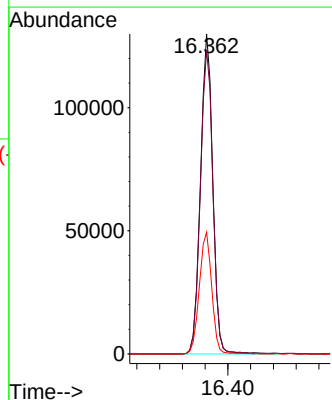
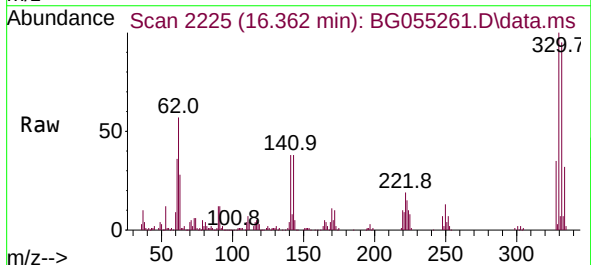
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ClientSampleId :
SB-SOILPILE-1020

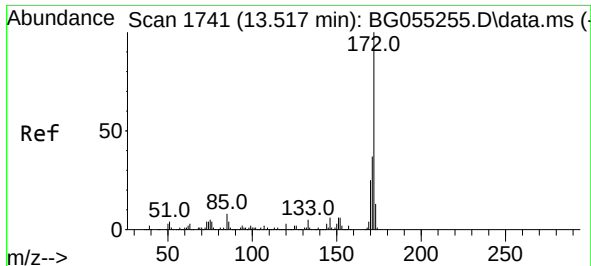
Tgt Ion:164 Resp: 106650
Ion Ratio Lower Upper
164 100
162 106.1 84.0 126.0
160 45.4 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 167.100 ng
RT: 16.362 min Scan# 2225
Delta R.T. -0.004 min
Lab File: BG055261.D
Acq: 24 Oct 2022 18:03

Tgt Ion:330 Resp: 193732
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.0
141 38.4 29.8 44.8

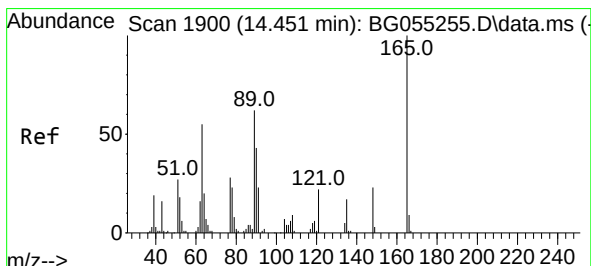
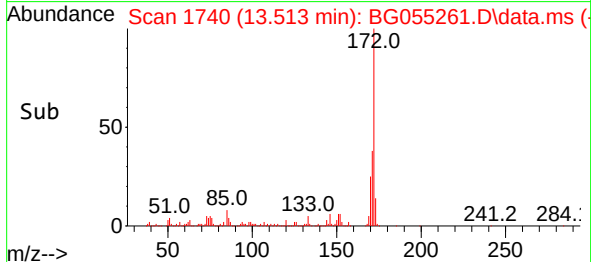
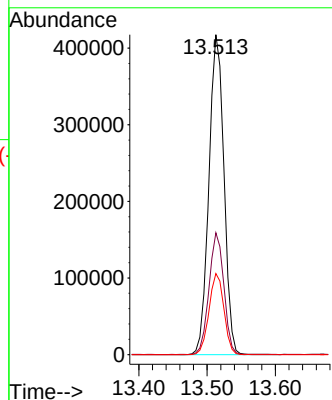
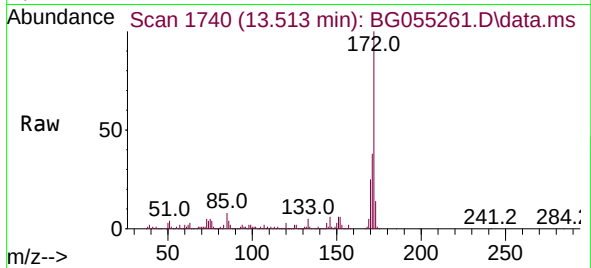




#45
2-Fluorobiphenyl
Concen: 98.172 ng
RT: 13.513 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG055261.D
Acq: 24 Oct 2022 18:03

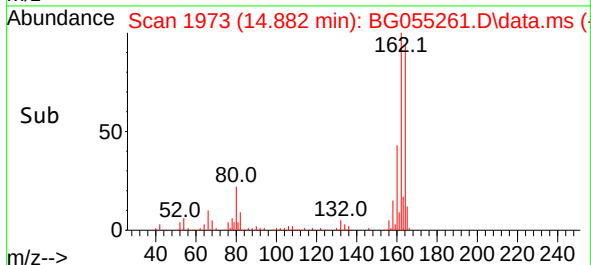
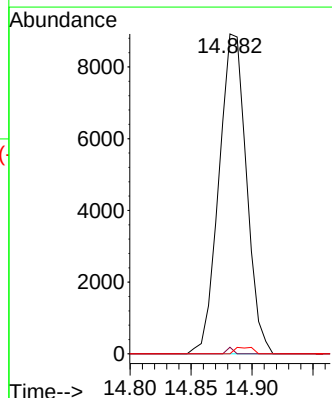
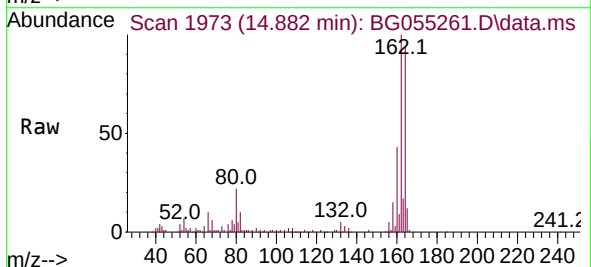
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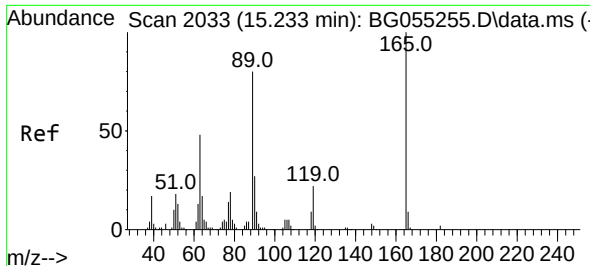
Tgt Ion:172 Resp: 639683
Ion Ratio Lower Upper
172 100
171 38.1 29.7 44.5
170 25.3 20.2 30.2



#51
2,6-Dinitrotoluene
Concen: 8.218 ng
RT: 14.882 min Scan# 1973
Delta R.T. 0.431 min
Lab File: BG055261.D
Acq: 24 Oct 2022 18:03

Tgt Ion:165 Resp: 14002
Ion Ratio Lower Upper
165 100
63 2.1 49.2 73.8#
89 0.0 49.9 74.9#

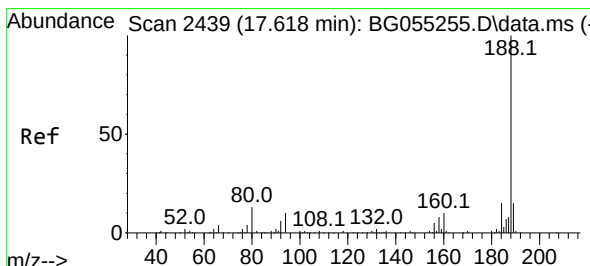
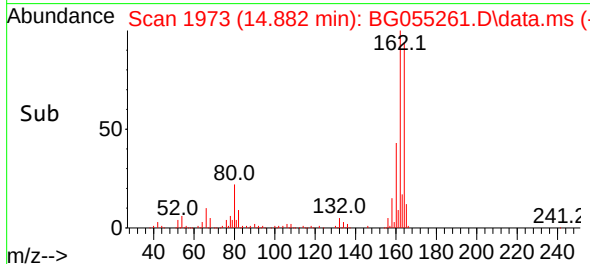
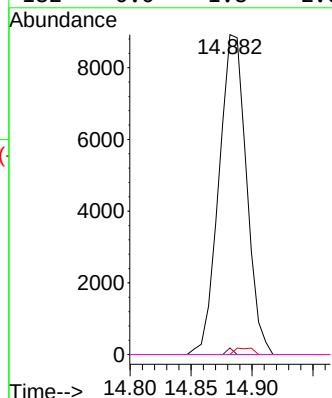
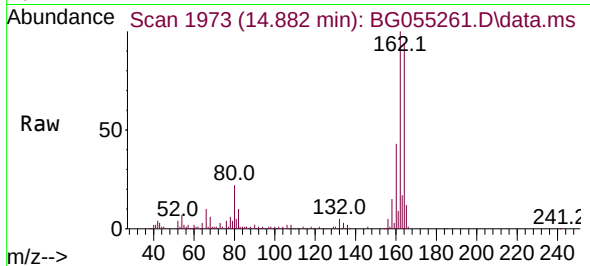




#57
2,4-Dinitrotoluene
Concen: 5.663 ng
RT: 14.882 min Scan# 19
Delta R.T. -0.351 min
Lab File: BG055261.D
Acq: 24 Oct 2022 18:03

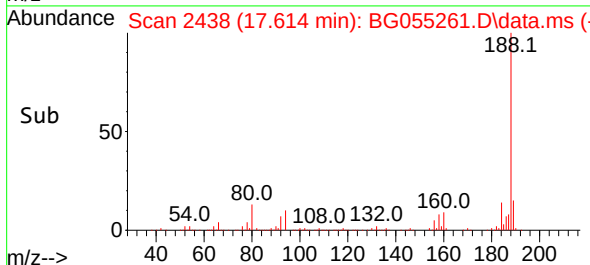
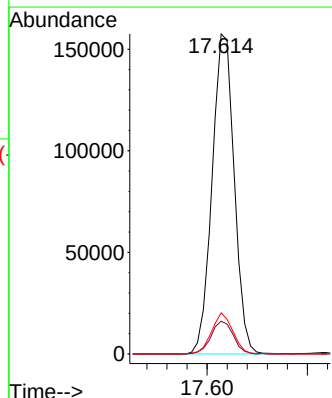
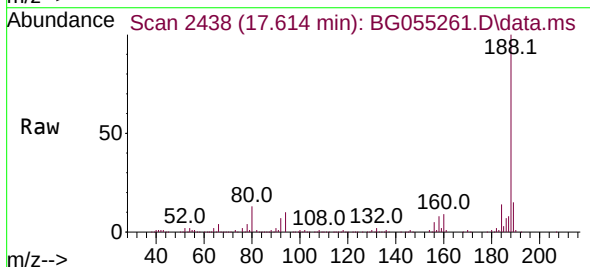
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020

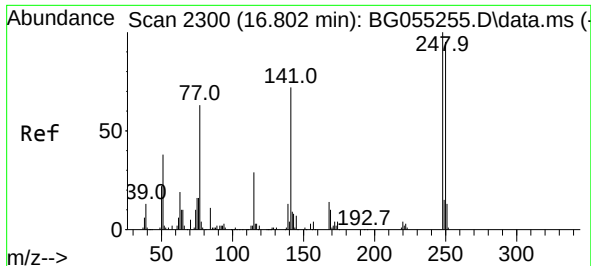
Tgt Ion:165 Resp: 14002
Ion Ratio Lower Upper
165 100
63 2.1 38.9 58.3#
89 0.0 64.2 96.4#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.614 min Scan# 2438
Delta R.T. -0.004 min
Lab File: BG055261.D
Acq: 24 Oct 2022 18:03

Tgt Ion:188 Resp: 241300
Ion Ratio Lower Upper
188 100
94 10.2 8.2 12.4
80 12.8 10.1 15.1

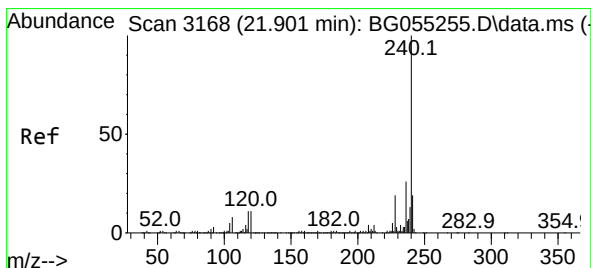
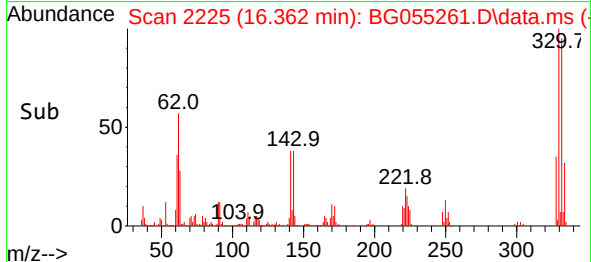
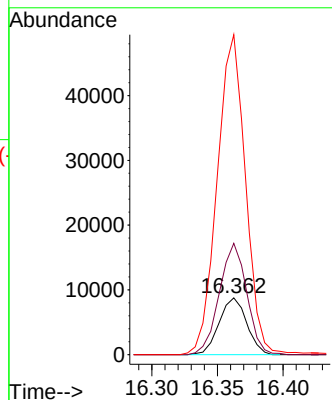
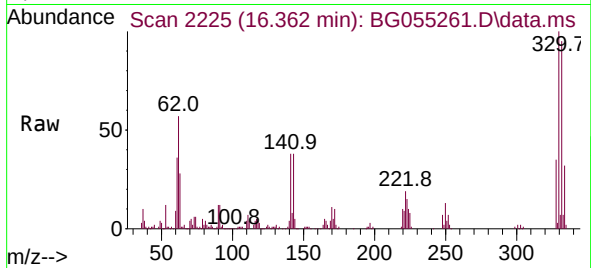




#67
4-Bromophenyl-phenylether
Concen: 5.450 ng
RT: 16.362 min Scan# 21
Delta R.T. -0.439 min
Lab File: BG055261.D
Acq: 24 Oct 2022 18:03

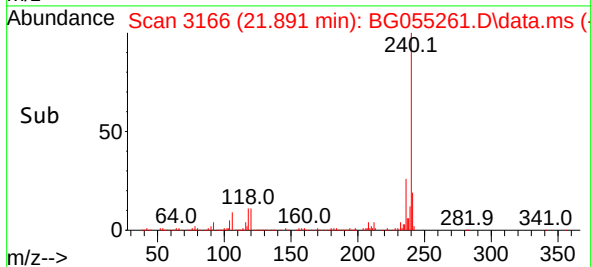
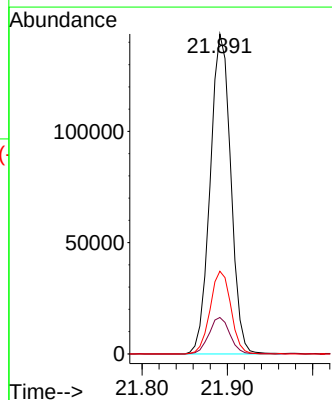
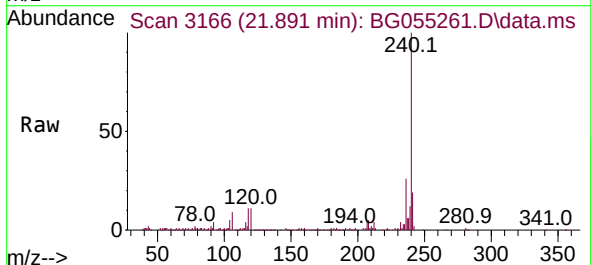
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020

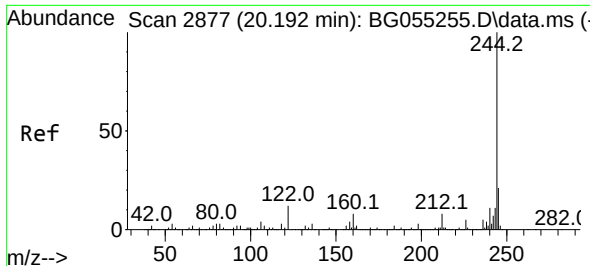
Tgt Ion:248 Resp: 12776
Ion Ratio Lower Upper
248 100
250 196.2 76.0 114.0#
141 564.4 58.0 87.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.891 min Scan# 3166
Delta R.T. -0.010 min
Lab File: BG055261.D
Acq: 24 Oct 2022 18:03

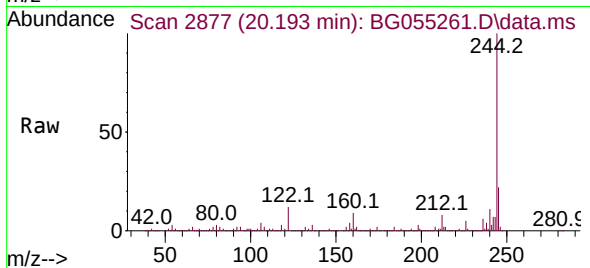
Tgt Ion:240 Resp: 240799
Ion Ratio Lower Upper
240 100
120 11.4 8.9 13.3
236 25.8 21.0 31.4



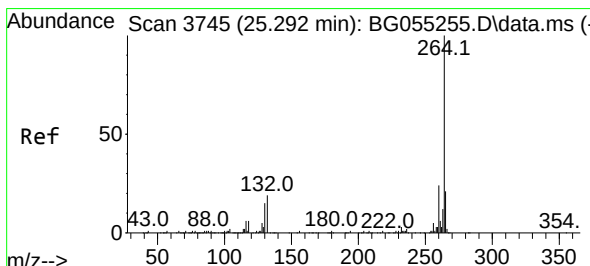
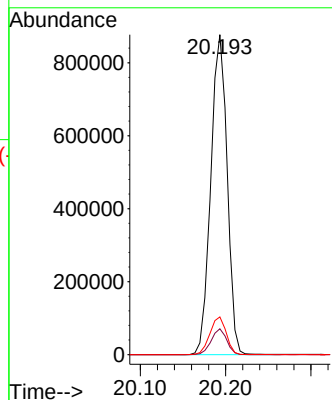
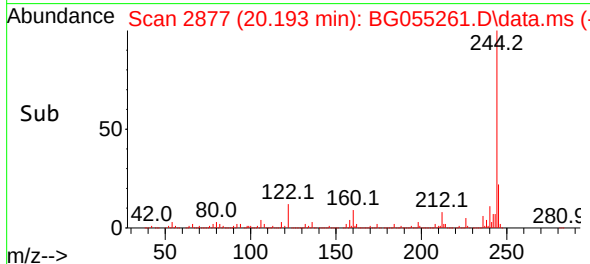


#79
 Terphenyl-d14
 Concen: 100.866 ng
 RT: 20.193 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG055261.D
 Acq: 24 Oct 2022 18:03

Instrument :
 BNA_G
 ClientSampleId :
 SB-SOILPILE-1020



Tgt Ion:244 Resp: 1169010
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.0 9.0
 122 11.8 9.6 14.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.287 min Scan# 3744
 Delta R.T. -0.004 min
 Lab File: BG055261.D
 Acq: 24 Oct 2022 18:03

Tgt Ion:264 Resp: 251958
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.5 29.3
 265 21.9 17.4 26.2

