

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102722\
 Data File : BG055333.D
 Acq On : 27 Oct 2022 21:28
 Operator : CG/JU
 Sample : N5283-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IRV-SOIL-1025

Quant Time: Oct 28 05:35:34 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)

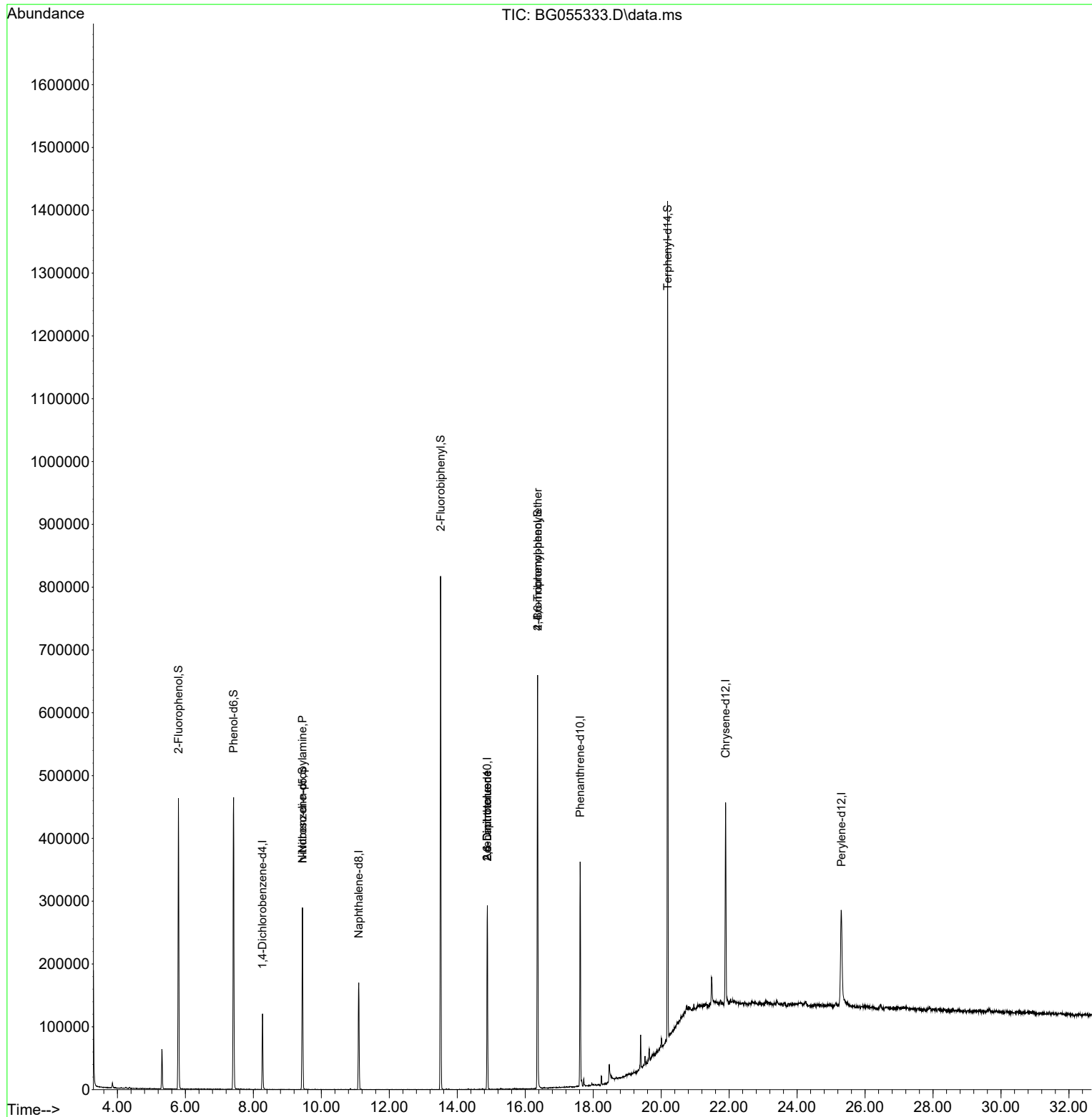
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.270	152	34980	20.000	ng	0.00
21) Naphthalene-d8	11.102	136	151536	20.000	ng	0.00
39) Acenaphthene-d10	14.885	164	103594	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	221235	20.000	ng	0.00
76) Chrysene-d12	21.895	240	205377	20.000	ng	0.00
86) Perylene-d12	25.303	264	218258	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	213166	106.703	ng	0.00
7) Phenol-d6	7.418	99	288768	99.772	ng	0.00
23) Nitrobenzene-d5	9.445	82	183240	61.747	ng	0.00
42) 2,4,6-Tribromophenol	16.366	330	138772	123.226	ng	0.00
45) 2-Fluorobiphenyl	13.511	172	418259	66.084	ng	0.00
79) Terphenyl-d14	20.191	244	646728	65.426	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.445	70	24499	10.193	ng	Qvalue # 76
51) 2,6-Dinitrotoluene	14.885	165	13651	8.248	ng	# 19
57) 2,4-Dinitrotoluene	14.885	165	13651	5.684	ng	# 18
67) 4-Bromophenyl-phenylether	16.366	248	8840	4.113	ng	# 1

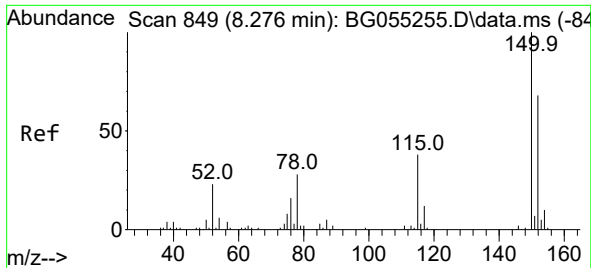
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 24 16:54:05 2022
Response via : Initial Calibration

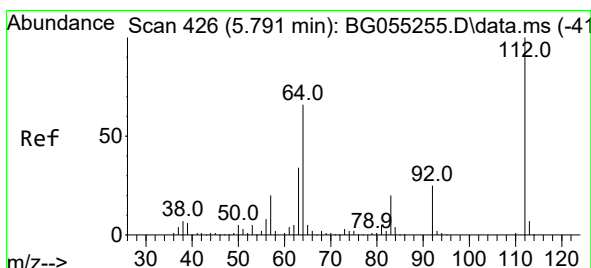
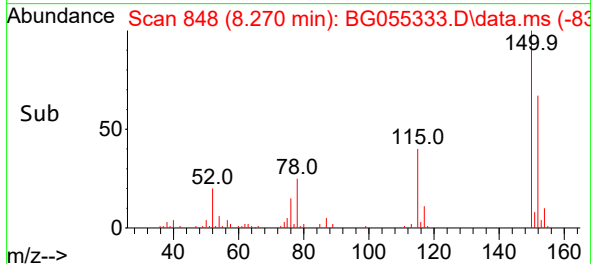
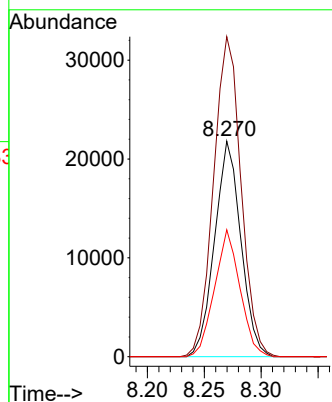
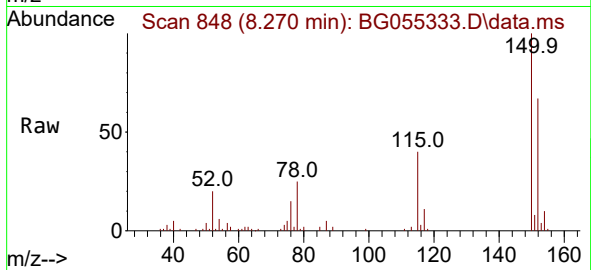




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.270 min Scan# 84
Delta R.T. -0.006 min
Lab File: BG055333.D
Acq: 27 Oct 2022 21:28

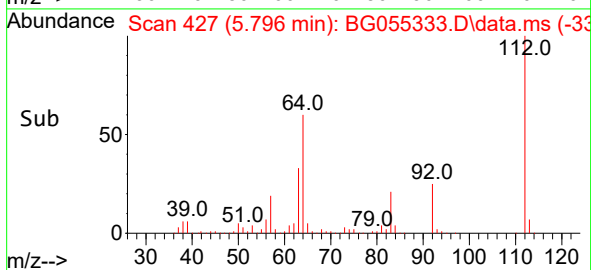
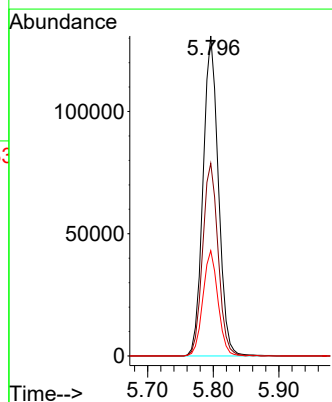
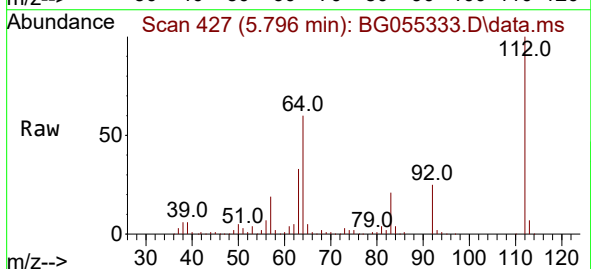
Instrument :
BNA_G
ClientSampleId :
IRV-SOIL-1025

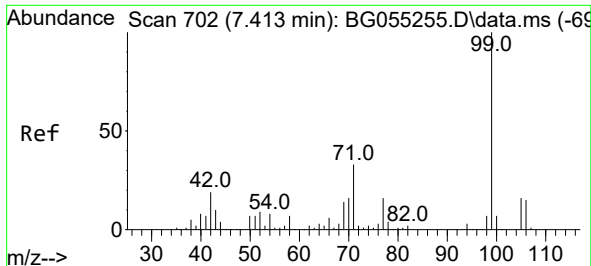
Tgt Ion:152 Resp: 34980
Ion Ratio Lower Upper
152 100
150 148.5 118.2 177.4
115 58.9 44.5 66.7



#5
2-Fluorophenol
Concen: 106.703 ng
RT: 5.796 min Scan# 427
Delta R.T. 0.005 min
Lab File: BG055333.D
Acq: 27 Oct 2022 21:28

Tgt Ion:112 Resp: 213166
Ion Ratio Lower Upper
112 100
64 60.2 52.6 78.8
63 32.9 27.1 40.7

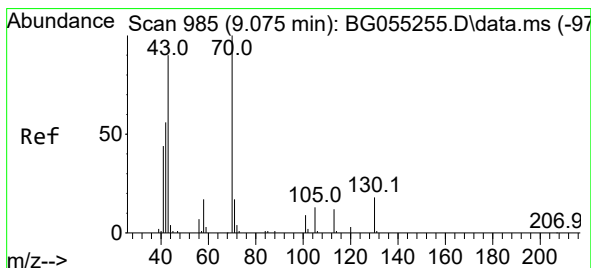
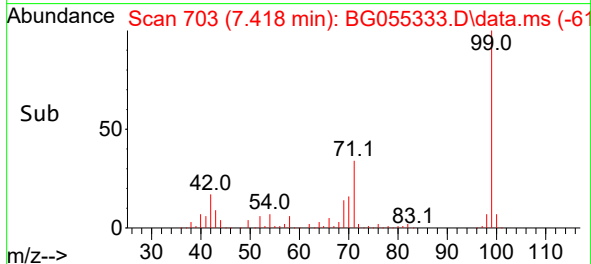
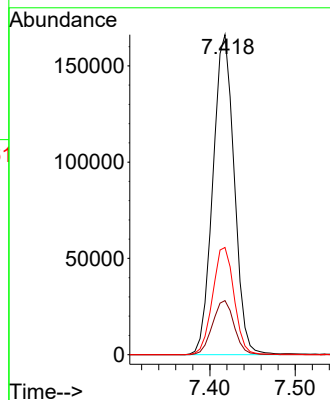
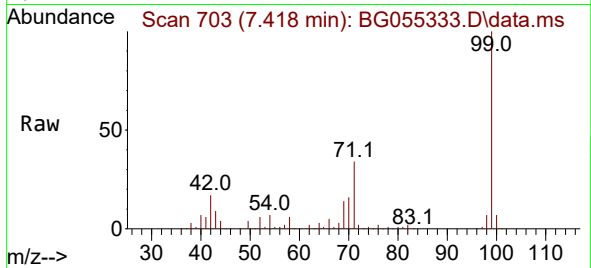




#7
Phenol-d6
Concen: 99.772 ng
RT: 7.418 min Scan# 702
Delta R.T. 0.005 min
Lab File: BG055333.D
Acq: 27 Oct 2022 21:28

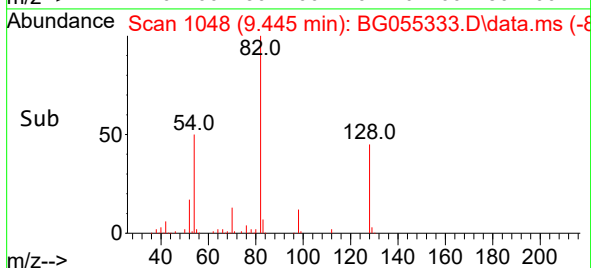
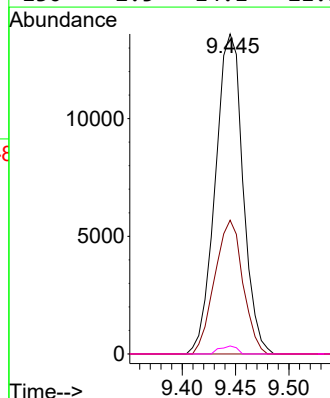
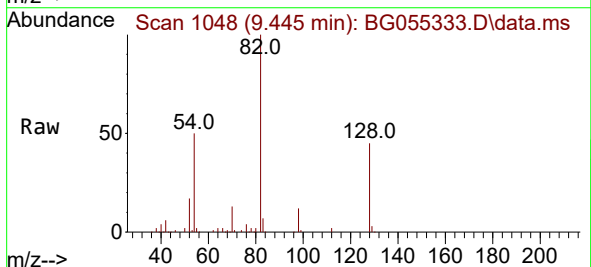
Instrument :
BNA_G
ClientSampleId :
IRV-SOIL-1025

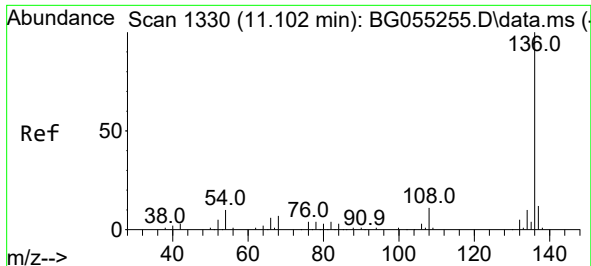
Tgt Ion: 99 Resp: 288768
Ion Ratio Lower Upper
99 100
42 16.9 15.2 22.8
71 33.5 26.2 39.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.193 ng
RT: 9.445 min Scan# 1048
Delta R.T. 0.369 min
Lab File: BG055333.D
Acq: 27 Oct 2022 21:28

Tgt Ion: 70 Resp: 24499
Ion Ratio Lower Upper
70 100
42 41.8 45.8 68.6#
101 0.0 7.4 11.0#
130 2.5 14.1 21.1#

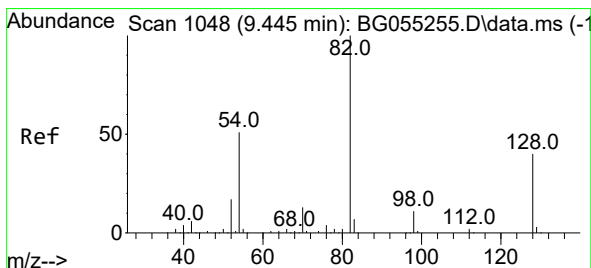
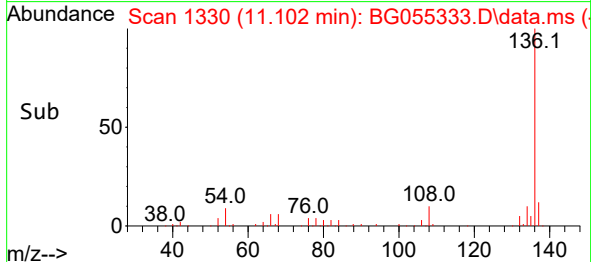
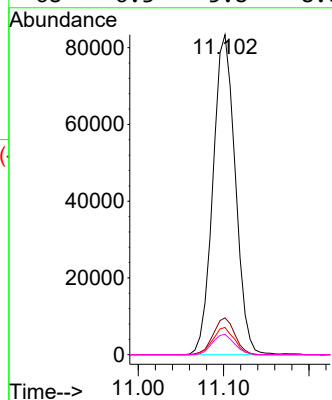
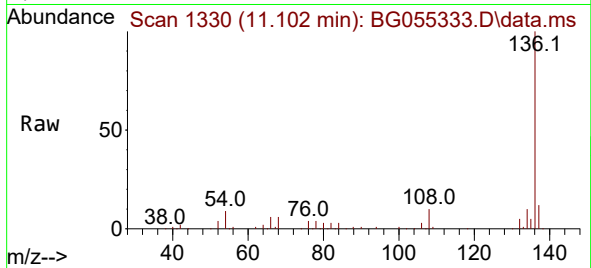




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.102 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG055333.D
Acq: 27 Oct 2022 21:28

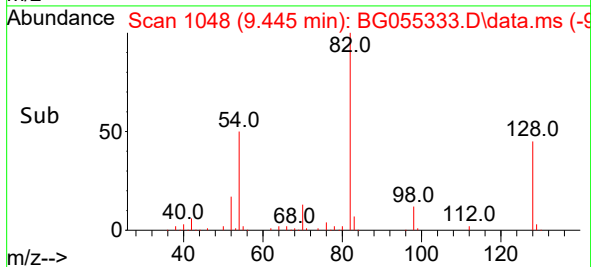
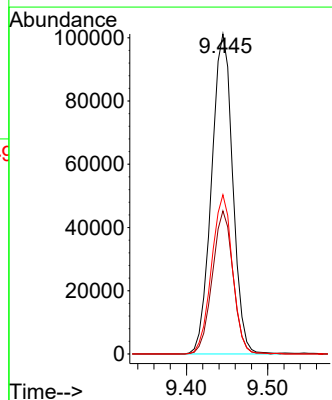
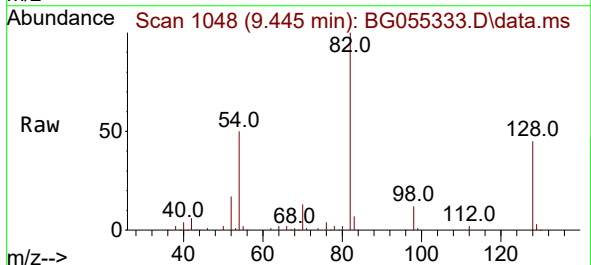
Instrument :
BNA_G
ClientSampleId :
IRV-SOIL-1025

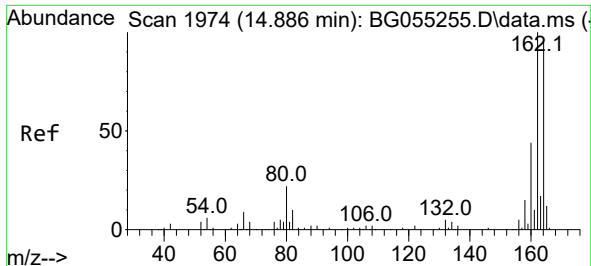
Tgt Ion:	136	Resp:	151536
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	8.5	7.8	11.8
68	6.3	5.8	8.6



#23
Nitrobenzene-d5
Concen: 61.747 ng
RT: 9.445 min Scan# 1048
Delta R.T. -0.001 min
Lab File: BG055333.D
Acq: 27 Oct 2022 21:28

Tgt Ion:	82	Resp:	183240
Ion	Ratio	Lower	Upper
82	100		
128	44.7	32.0	48.0
54	49.8	40.9	61.3

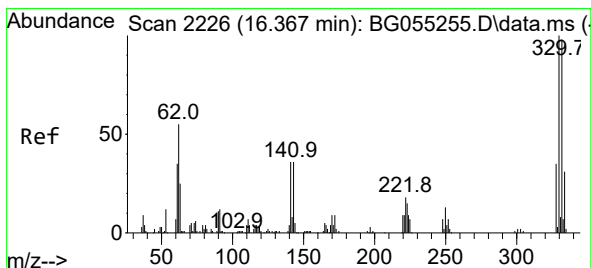
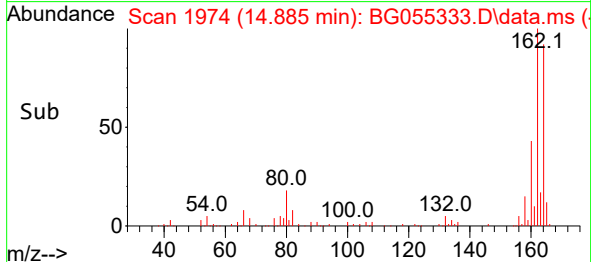
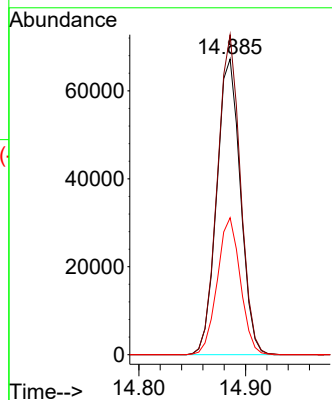
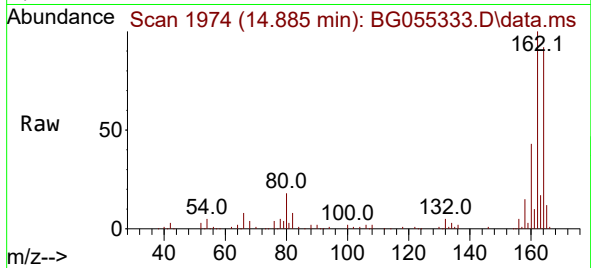




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.885 min Scan# 1974
Delta R.T. -0.001 min
Lab File: BG055333.D
Acq: 27 Oct 2022 21:28

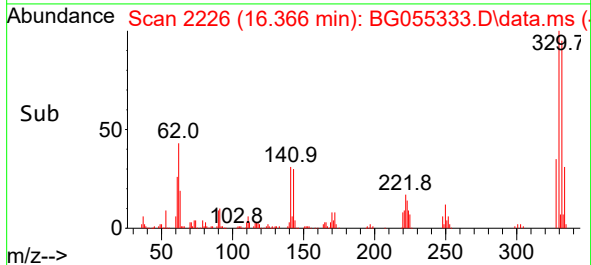
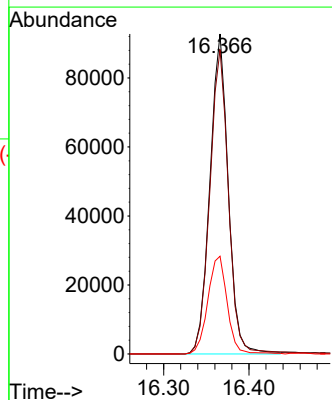
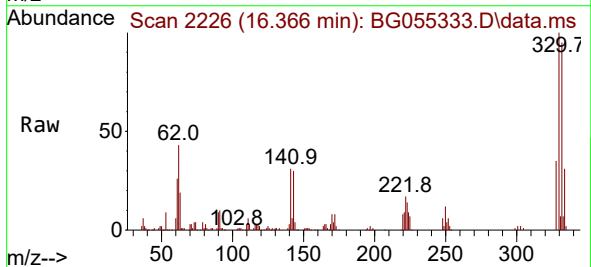
Instrument :
BNA_G
ClientSampleId :
IRV-SOIL-1025

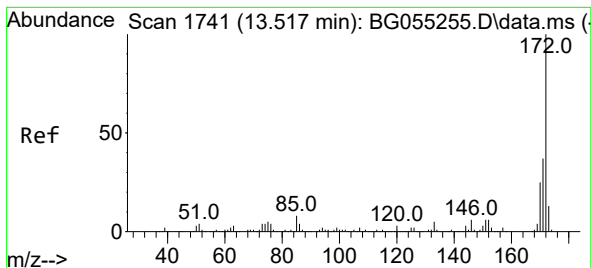
Tgt Ion:164 Resp: 103594
Ion Ratio Lower Upper
164 100
162 108.2 84.0 126.0
160 46.3 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 123.226 ng
RT: 16.366 min Scan# 2226
Delta R.T. -0.001 min
Lab File: BG055333.D
Acq: 27 Oct 2022 21:28

Tgt Ion:330 Resp: 138772
Ion Ratio Lower Upper
330 100
332 97.5 77.4 116.0
141 32.3 29.8 44.8





#45

2-Fluorobiphenyl

Concen: 66.084 ng

RT: 13.511 min Scan# 1

Delta R.T. -0.007 min

Lab File: BG055333.D

Acq: 27 Oct 2022 21:28

Instrument :

BNA_G

ClientSampleId :

IRV-SOIL-1025

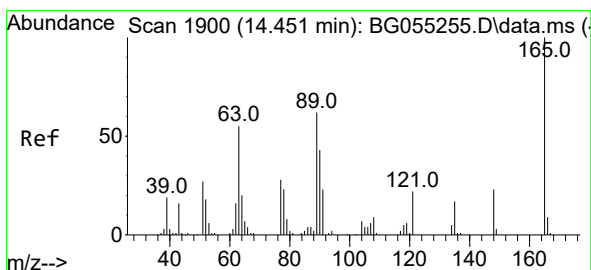
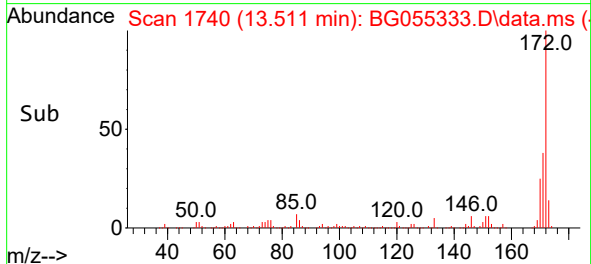
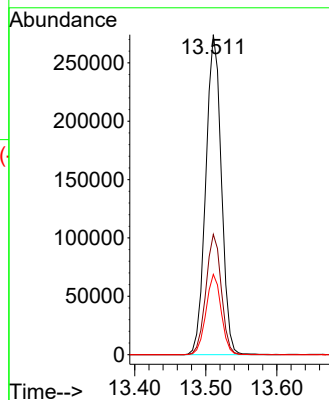
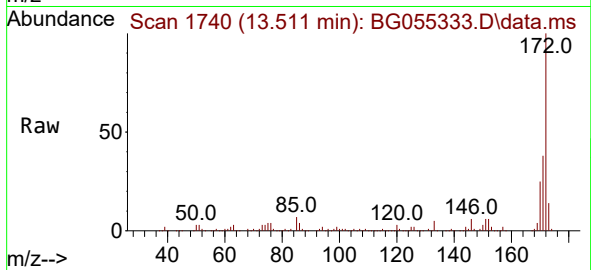
Tgt Ion:172 Resp: 418259

Ion Ratio Lower Upper

172 100

171 37.6 29.7 44.5

170 25.1 20.2 30.2



#51

2,6-Dinitrotoluene

Concen: 8.248 ng

RT: 14.885 min Scan# 1974

Delta R.T. 0.434 min

Lab File: BG055333.D

Acq: 27 Oct 2022 21:28

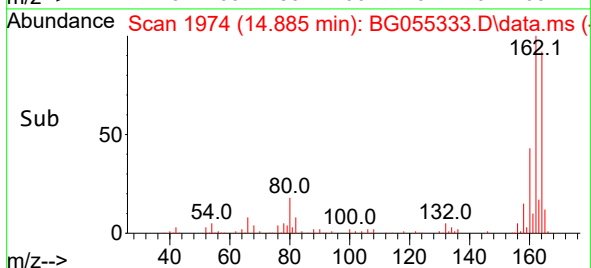
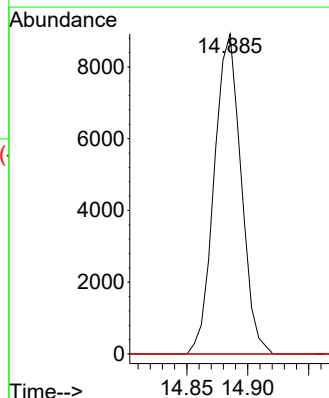
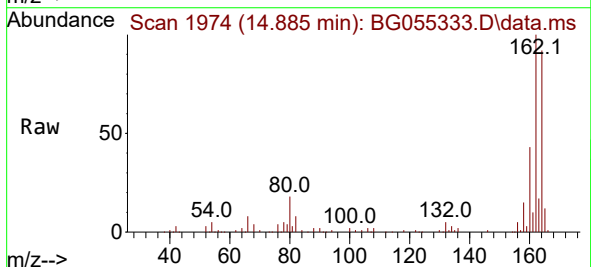
Tgt Ion:165 Resp: 13651

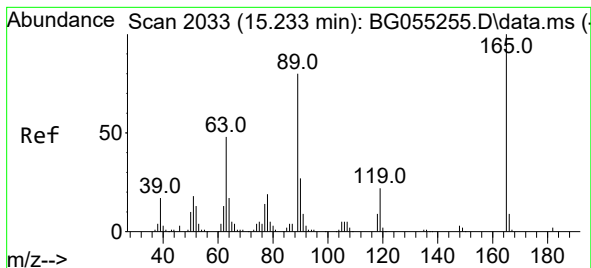
Ion Ratio Lower Upper

165 100

63 0.0 49.2 73.8#

89 0.0 49.9 74.9#

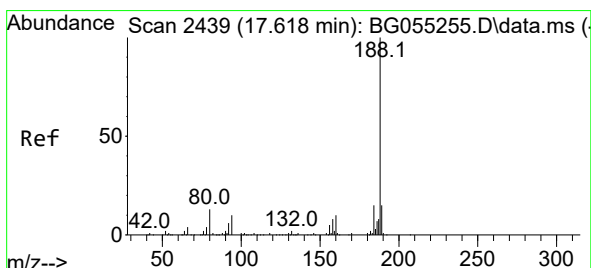
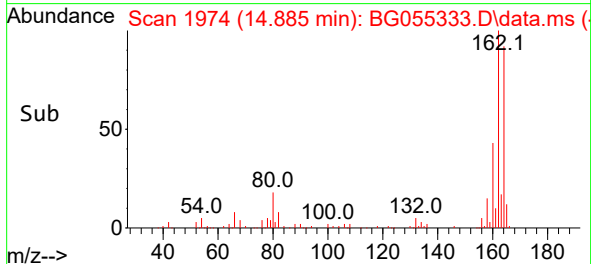
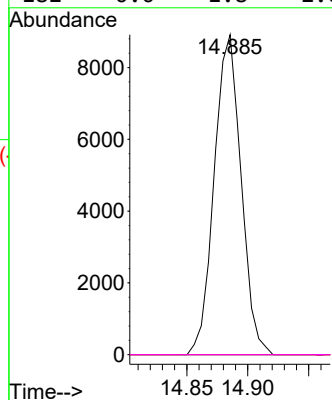
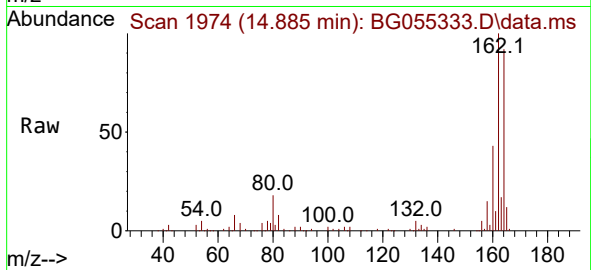




#57
2,4-Dinitrotoluene
Concen: 5.684 ng
RT: 14.885 min Scan# 1974
Delta R.T. -0.347 min
Lab File: BG055333.D
Acq: 27 Oct 2022 21:28

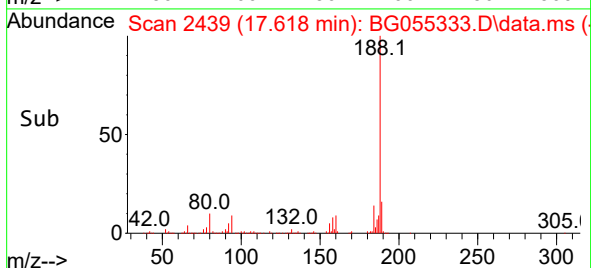
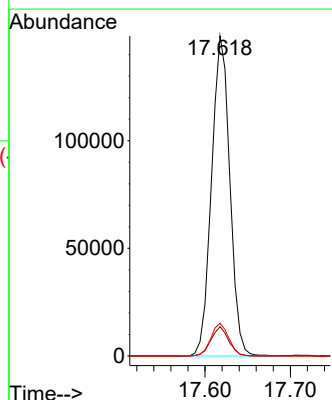
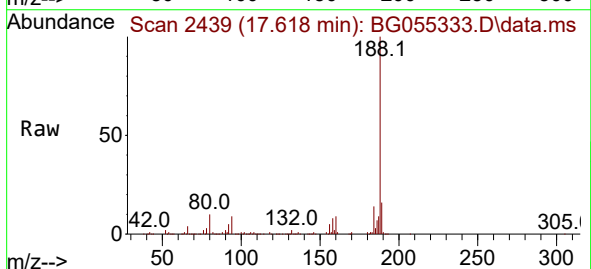
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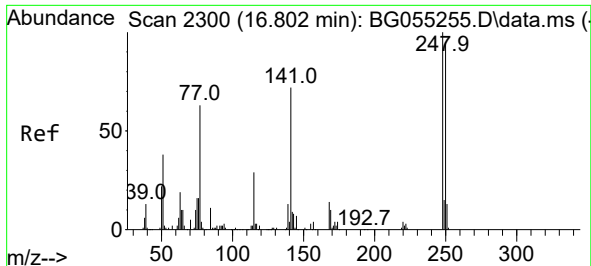
Tgt Ion:165 Resp: 13651
Ion Ratio Lower Upper
165 100
63 0.0 38.9 58.3#
89 0.0 64.2 96.4#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.618 min Scan# 2439
Delta R.T. -0.000 min
Lab File: BG055333.D
Acq: 27 Oct 2022 21:28

Tgt Ion:188 Resp: 221235
Ion Ratio Lower Upper
188 100
94 9.2 8.2 12.4
80 10.2 10.1 15.1

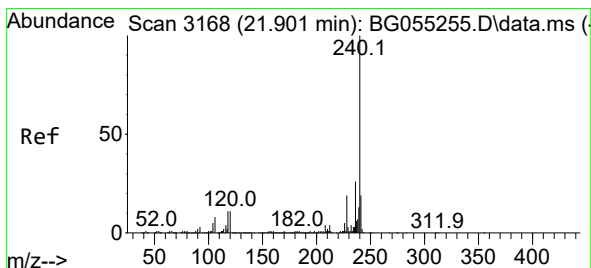
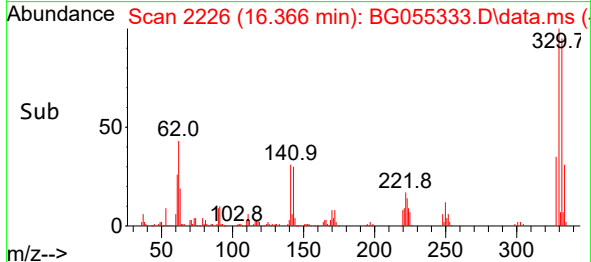
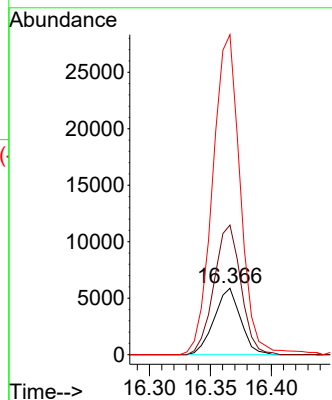
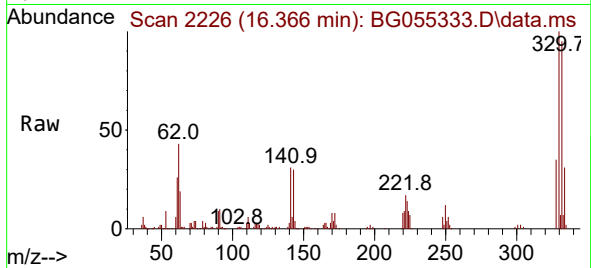




#67
4-Bromophenyl-phenylether
Concen: 4.113 ng
RT: 16.366 min Scan# 21
Delta R.T. -0.435 min
Lab File: BG055333.D
Acq: 27 Oct 2022 21:28

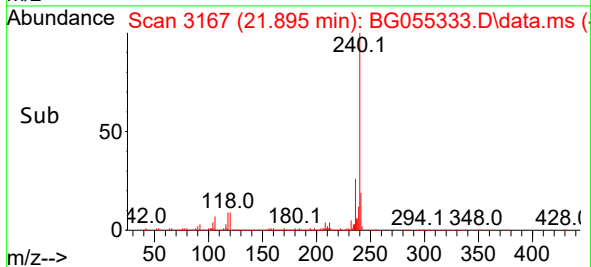
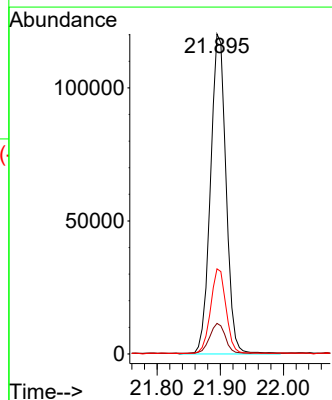
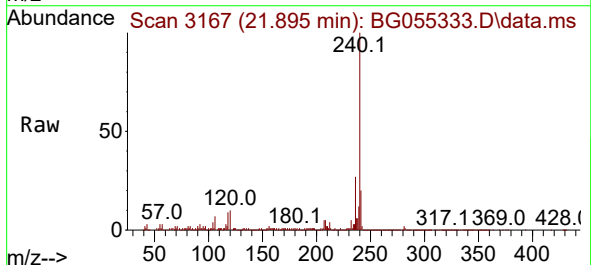
Instrument :
BNA_G
ClientSampleId :
IRV-SOIL-1025

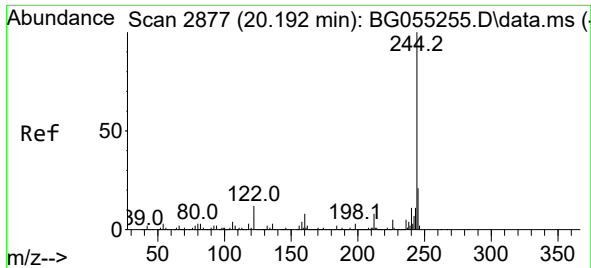
Tgt Ion:248 Resp: 8840
Ion Ratio Lower Upper
248 100
250 195.3 76.0 114.0#
141 482.2 58.0 87.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.895 min Scan# 3167
Delta R.T. -0.007 min
Lab File: BG055333.D
Acq: 27 Oct 2022 21:28

Tgt Ion:240 Resp: 205377
Ion Ratio Lower Upper
240 100
120 9.6 8.9 13.3
236 26.6 21.0 31.4

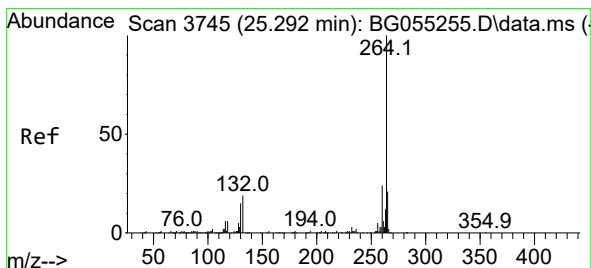
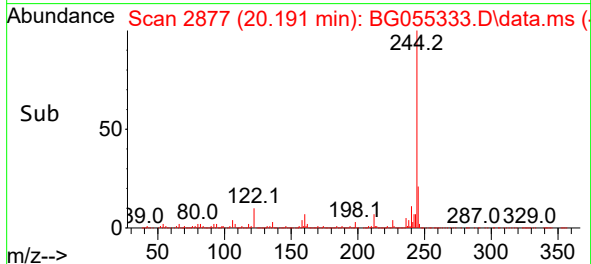
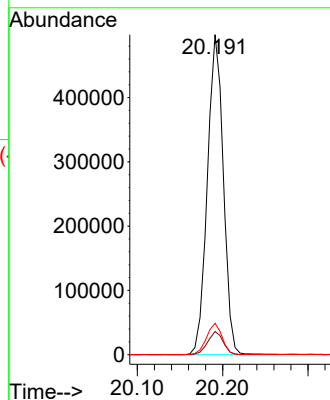
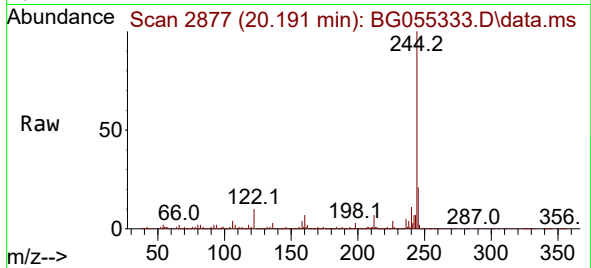




#79
 Terphenyl-d14
 Concen: 65.426 ng
 RT: 20.191 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG055333.D
 Acq: 27 Oct 2022 21:28

Instrument :
 BNA_G
 ClientSampleId :
 IRV-SOIL-1025

Tgt Ion:244 Resp: 646728
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 9.8 9.6 14.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.303 min Scan# 3747
 Delta R.T. 0.011 min
 Lab File: BG055333.D
 Acq: 27 Oct 2022 21:28

Tgt Ion:264 Resp: 218258
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.5 29.3
 265 22.1 17.4 26.2

