

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
 Data File : BG051048.D
 Acq On : 15 Nov 2021 19:24
 Operator : CG/JU
 Sample : M4674-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MF-SOIL-P3

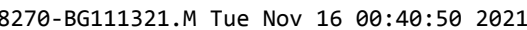
Quant Time: Nov 16 00:40:45 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 15 03:55:35 2021
 Response via : Initial Calibration

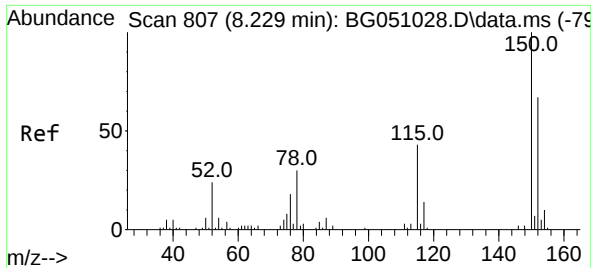
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.222	152	41223	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	186242	20.000	ng	# 0.00
39) Acenaphthene-d10	14.850	164	127594	20.000	ng	0.00
64) Phenanthrene-d10	17.600	188	274101	20.000	ng	# 0.00
76) Chrysene-d12	21.895	240	218414	20.000	ng	# 0.00
86) Perylene-d12	25.308	264	214516	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.761	112	397004	144.065	ng	0.00
7) Phenol-d6	7.376	99	535397	137.649	ng	0.00
23) Nitrobenzene-d5	9.403	82	369118	87.733	ng	0.00
42) 2,4,6-Tribromophenol	16.342	330	171461	134.282	ng	0.00
45) 2-Fluorobiphenyl	13.475	172	708963	87.793	ng	0.00
79) Terphenyl-d14	20.185	244	940557	78.796	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.403	70	51796	18.020	ng	# 67
51) 2,6-Dinitrotoluene	14.850	165	16325	7.901	ng	# 11
57) 2,4-Dinitrotoluene	14.850	165	16325	5.569	ng	# 16
67) 4-Bromophenyl-phenylether	16.342	248	13456	4.687	ng	# 1
77) Benzidine	20.185	184	16954	4.107	ng	# 88

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

Quant Time: Nov 16 00:40:45 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 15 03:55:35 2021
Response via : Initial Calibration

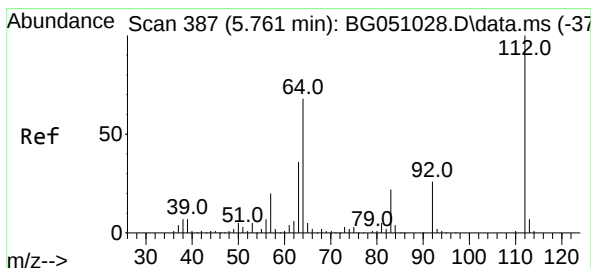
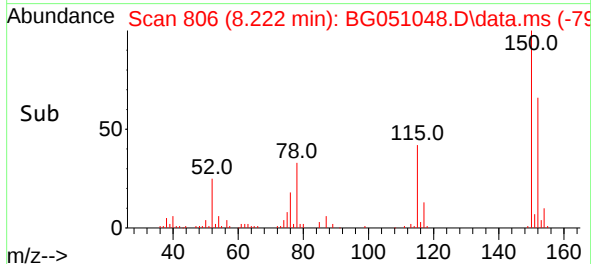
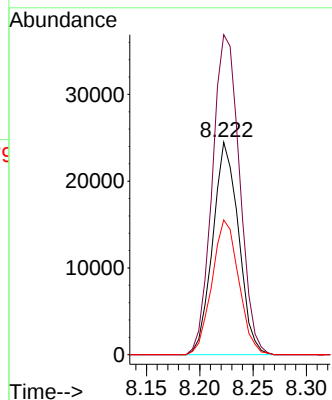
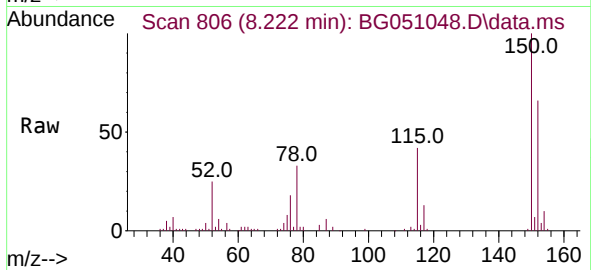




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.222 min Scan# 807
Delta R.T. -0.007 min
Lab File: BG051048.D
Acq: 15 Nov 2021 19:24

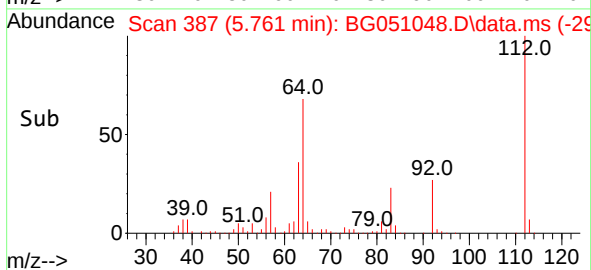
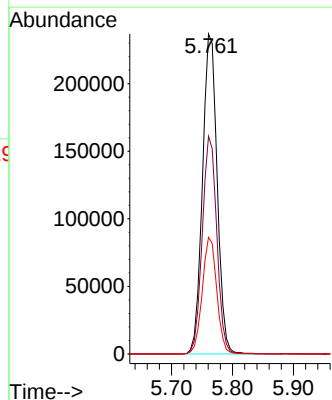
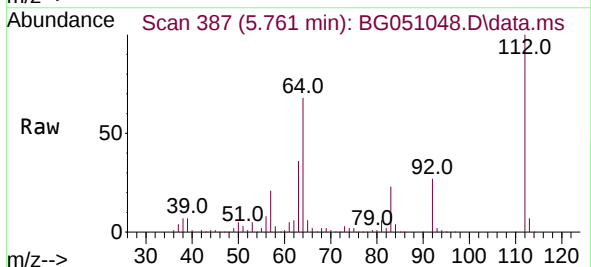
Instrument :
BNA_G
ClientSampleId :
MF-SOIL-P3

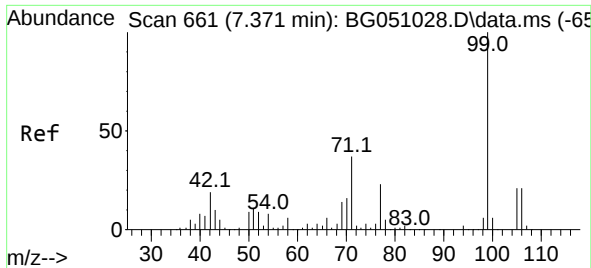
Tgt Ion:152 Resp: 41223
Ion Ratio Lower Upper
152 100
150 150.6 119.4 179.0
115 63.4 60.2 90.4



#5
2-Fluorophenol
Concen: 144.065 ng
RT: 5.761 min Scan# 387
Delta R.T. -0.000 min
Lab File: BG051048.D
Acq: 15 Nov 2021 19:24

Tgt Ion:112 Resp: 397004
Ion Ratio Lower Upper
112 100
64 68.0 46.7 70.1
63 36.5 35.3 52.9

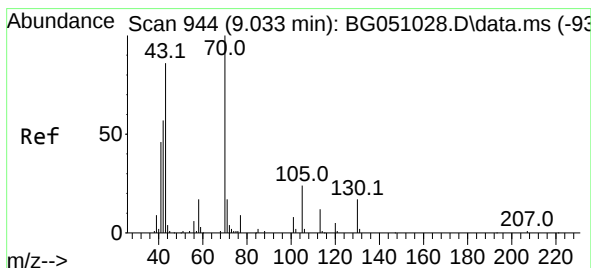
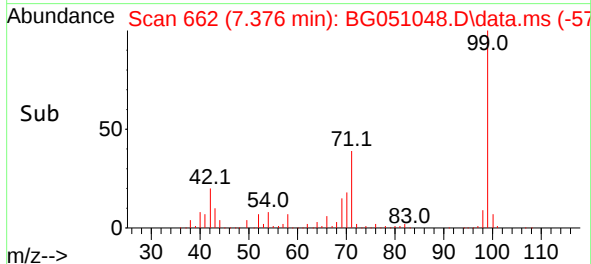
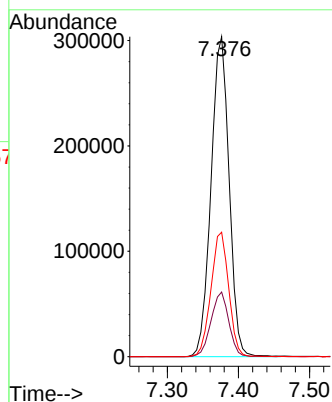
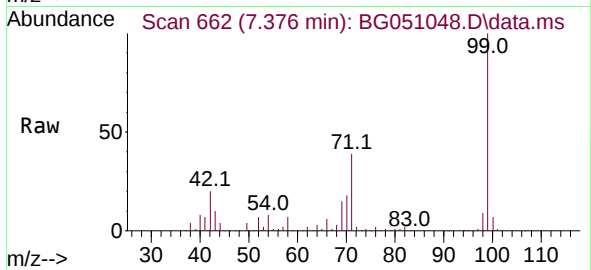




#7
Phenol-d6
Concen: 137.649 ng
RT: 7.376 min Scan# 60
Delta R.T. 0.005 min
Lab File: BG051048.D
Acq: 15 Nov 2021 19:24

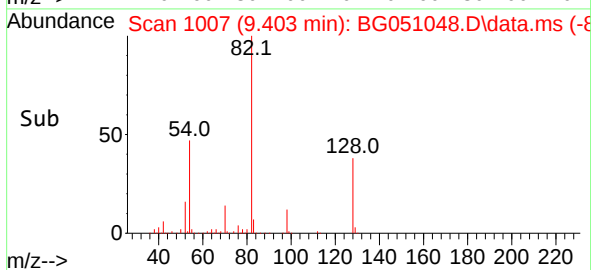
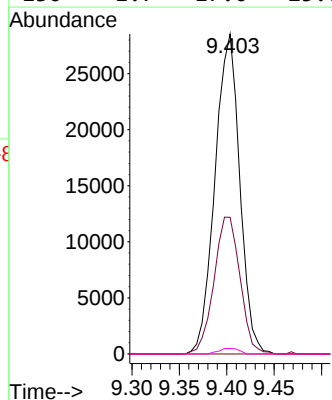
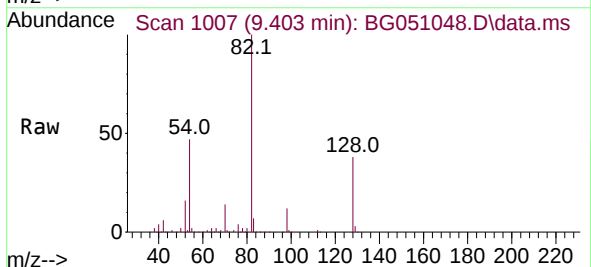
Instrument :
BNA_G
ClientSampleId :
MF-SOIL-P3

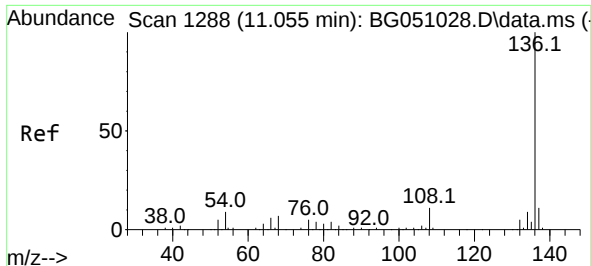
Tgt Ion: 99 Resp: 535397
Ion Ratio Lower Upper
99 100
42 20.2 20.5 30.7#
71 38.9 41.5 62.3#



#19
n-Nitroso-di-n-propylamine
Concen: 18.020 ng
RT: 9.403 min Scan# 1007
Delta R.T. 0.370 min
Lab File: BG051048.D
Acq: 15 Nov 2021 19:24

Tgt Ion: 70 Resp: 51796
Ion Ratio Lower Upper
70 100
42 42.7 54.5 81.7#
101 0.0 9.0 13.6#
130 1.7 17.0 25.6#

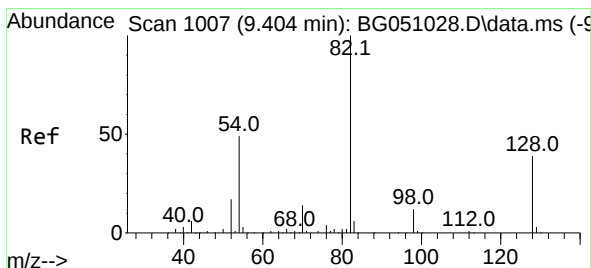
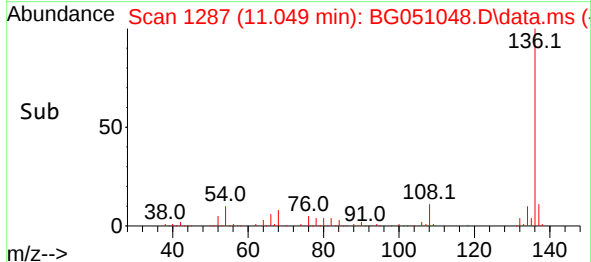
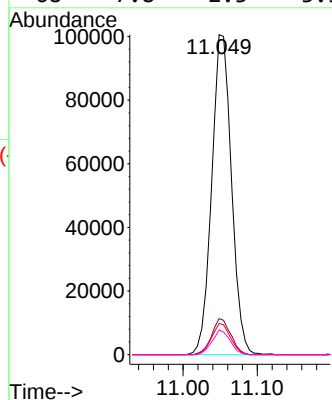
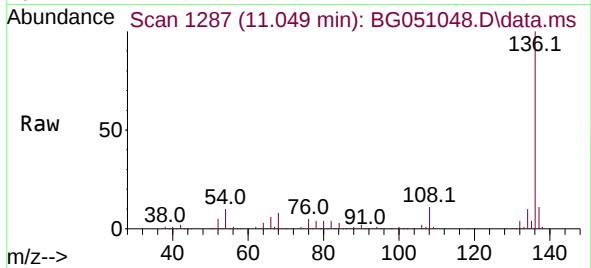




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG051048.D
Acq: 15 Nov 2021 19:24

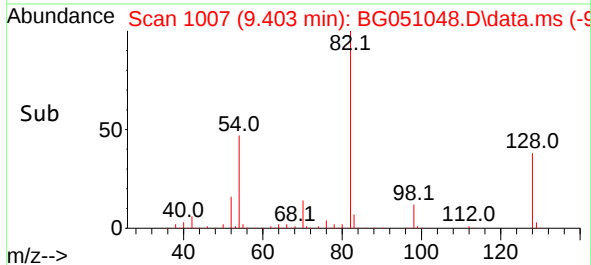
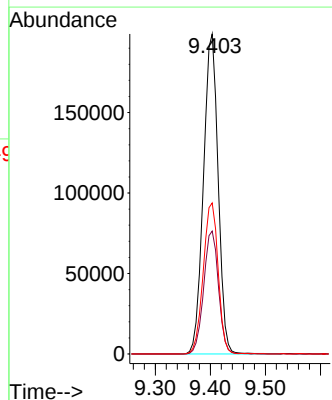
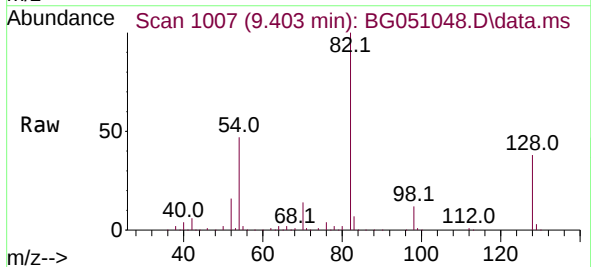
Instrument :
BNA_G
ClientSampleId :
MF-SOIL-P3

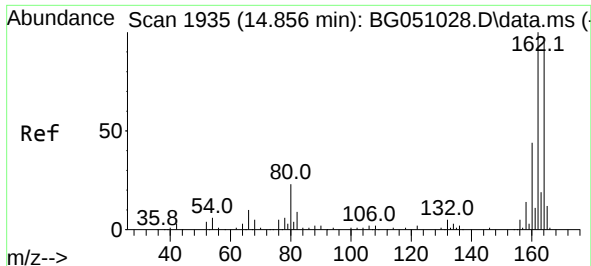
Tgt Ion:	136	Resp:	186242
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.2	12.2
54	9.8	5.5	8.3#
68	7.8	2.3	3.5#



#23
Nitrobenzene-d5
Concen: 87.733 ng
RT: 9.403 min Scan# 1007
Delta R.T. -0.001 min
Lab File: BG051048.D
Acq: 15 Nov 2021 19:24

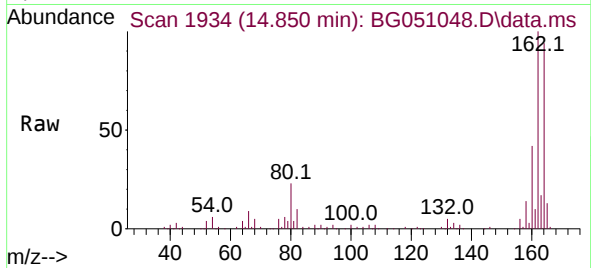
Tgt Ion:	82	Resp:	369118
Ion Ratio	Lower	Upper	
82	100		
128	38.4	29.8	44.6
54	47.2	45.8	68.8



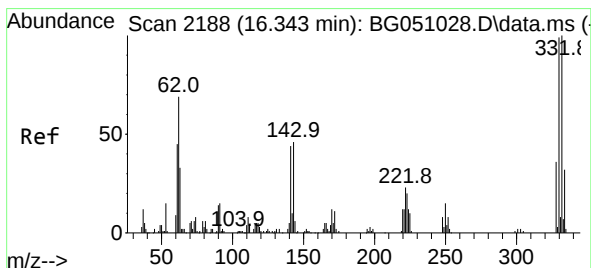
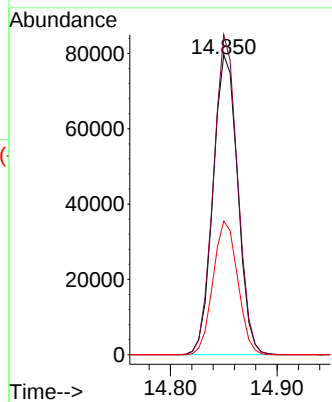
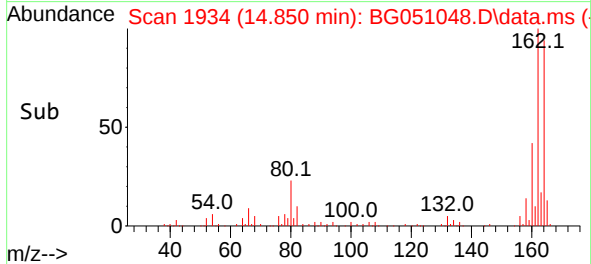


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.850 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BG051048.D
Acq: 15 Nov 2021 19:24

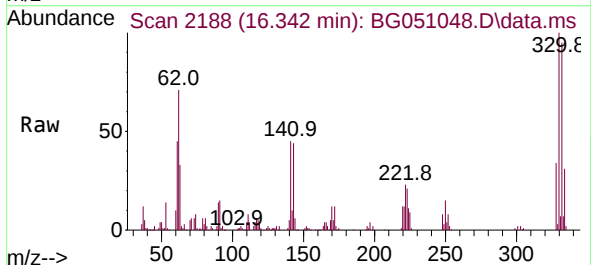
Instrument :
BNA_G
ClientSampleId :
MF-SOIL-P3



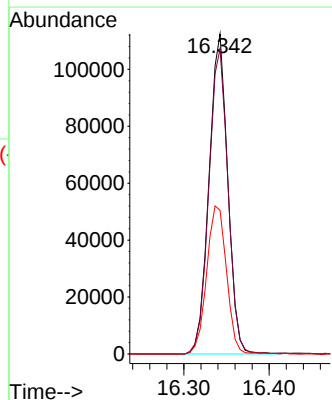
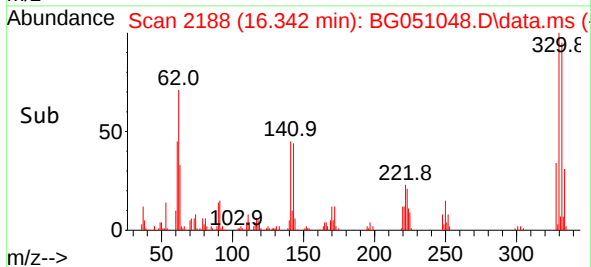
Tgt Ion:164 Resp: 127594
Ion Ratio Lower Upper
164 100
162 106.7 81.4 122.0
160 44.6 34.9 52.3

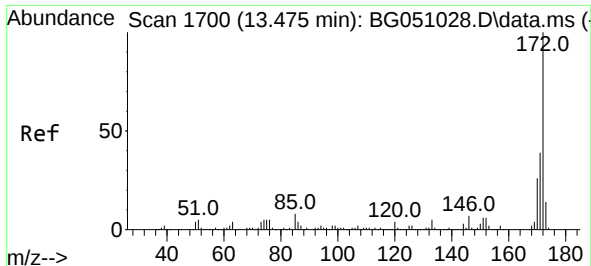


#42
2,4,6-Tribromophenol
Concen: 134.282 ng
RT: 16.342 min Scan# 2188
Delta R.T. -0.001 min
Lab File: BG051048.D
Acq: 15 Nov 2021 19:24



Tgt Ion:330 Resp: 171461
Ion Ratio Lower Upper
330 100
332 97.4 77.3 115.9
141 49.0 35.6 53.4

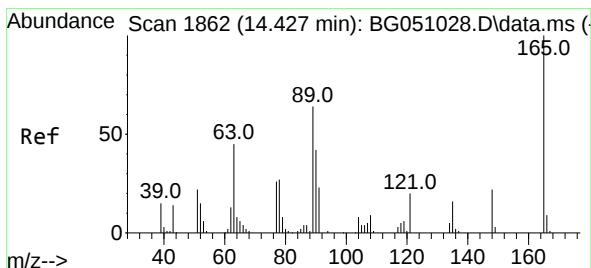
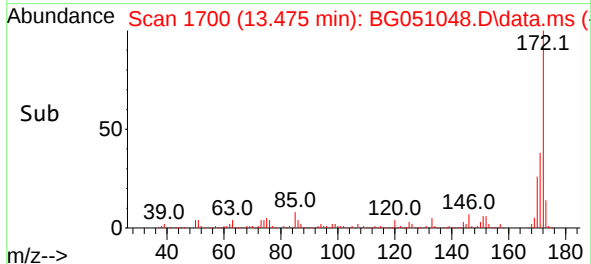
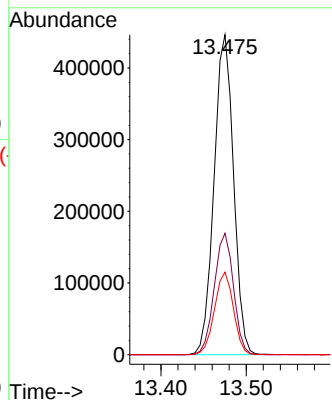
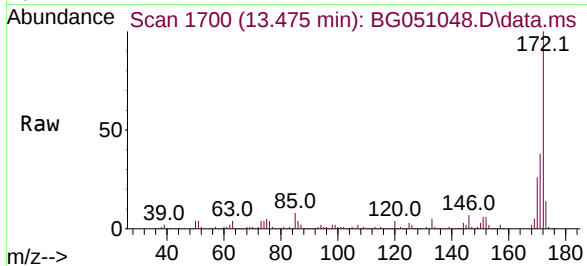




#45
2-Fluorobiphenyl
Concen: 87.793 ng
RT: 13.475 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG051048.D
Acq: 15 Nov 2021 19:24

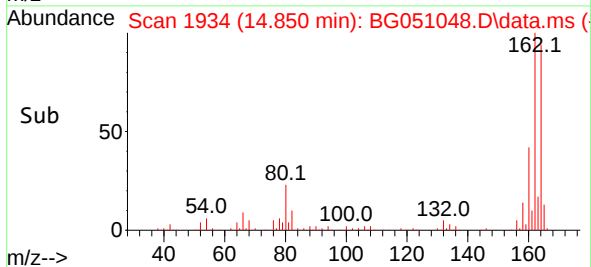
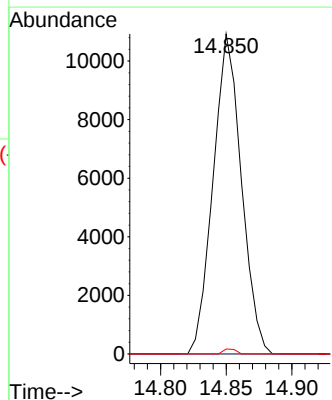
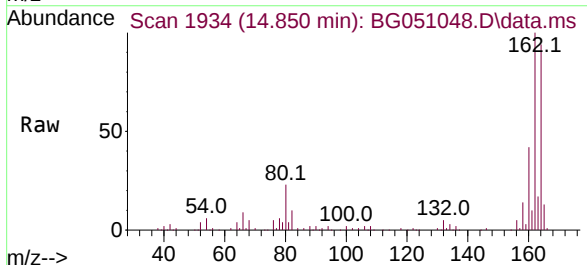
Instrument :
BNA_G
ClientSampleId :
MF-SOIL-P3

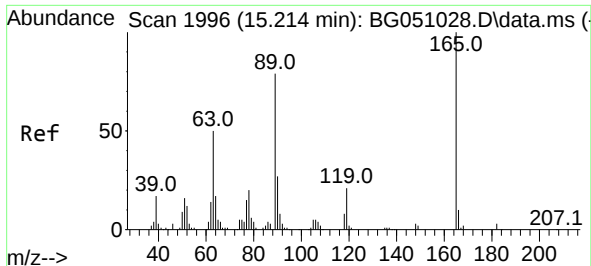
Tgt Ion:172 Resp: 708963
Ion Ratio Lower Upper
172 100
171 38.0 28.6 43.0
170 25.8 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 7.901 ng
RT: 14.850 min Scan# 1934
Delta R.T. 0.423 min
Lab File: BG051048.D
Acq: 15 Nov 2021 19:24

Tgt Ion:165 Resp: 16325
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 1.5 63.4 95.0#





#57

2,4-Dinitrotoluene

Concen: 5.569 ng

RT: 14.850 min Scan# 1996

Delta R.T. -0.364 min

Lab File: BG051048.D

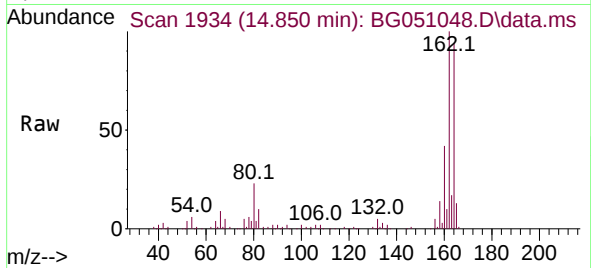
Acq: 15 Nov 2021 19:24

Instrument :

BNA_G

ClientSampleId :

MF-SOIL-P3



Tgt Ion:165 Resp: 16325

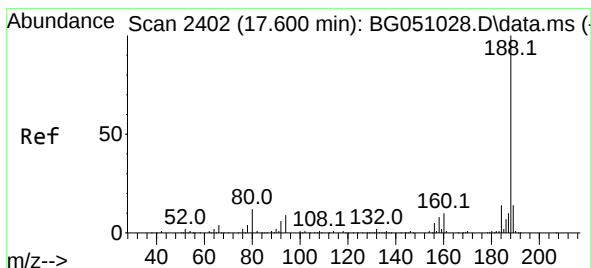
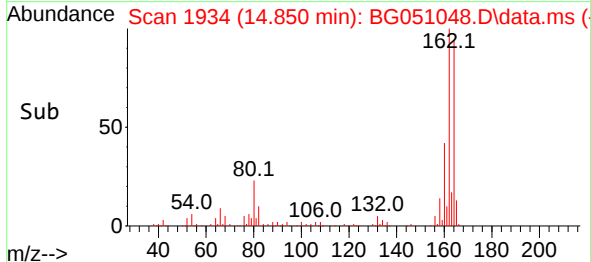
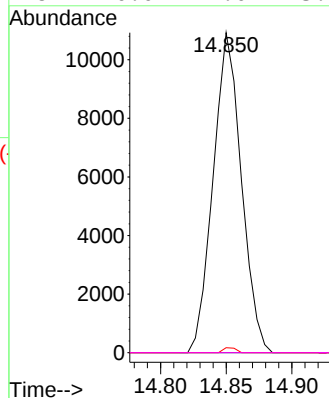
Ion Ratio Lower Upper

165 100

63 0.0 48.0 72.0#

89 1.5 65.4 98.0#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.600 min Scan# 2402

Delta R.T. -0.000 min

Lab File: BG051048.D

Acq: 15 Nov 2021 19:24

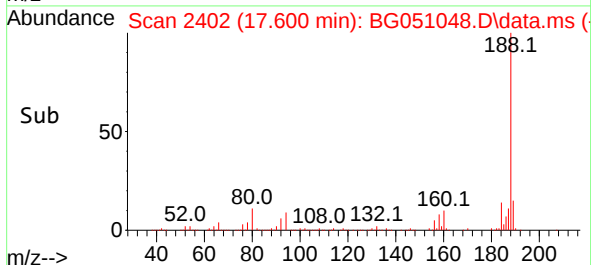
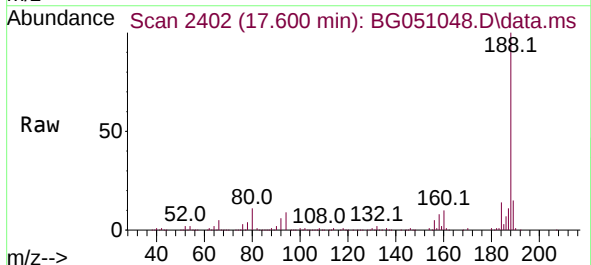
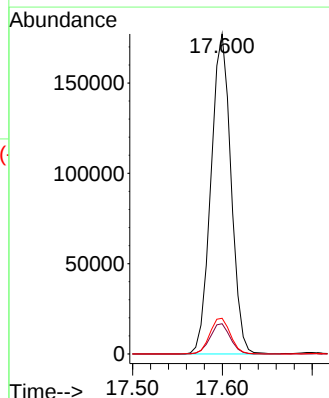
Tgt Ion:188 Resp: 274101

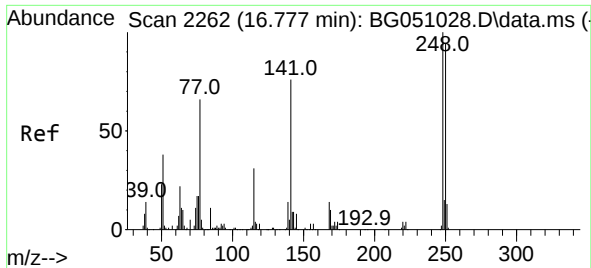
Ion Ratio Lower Upper

188 100

94 9.4 5.4 8.0#

80 11.1 3.7 5.5#

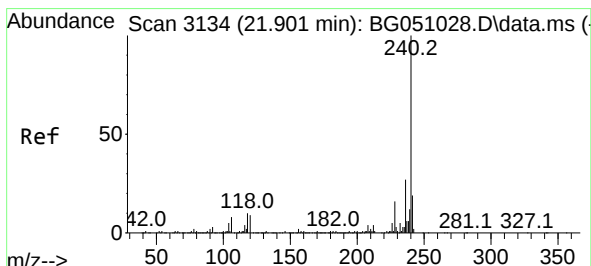
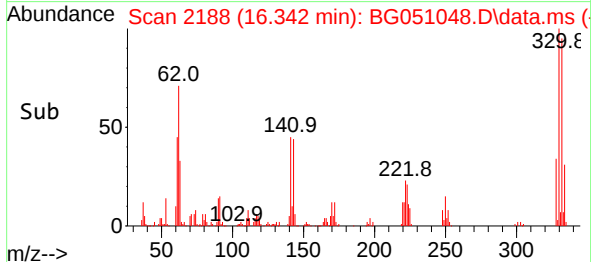
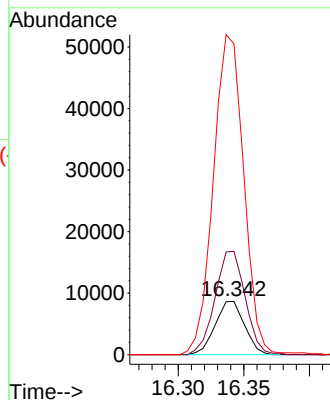
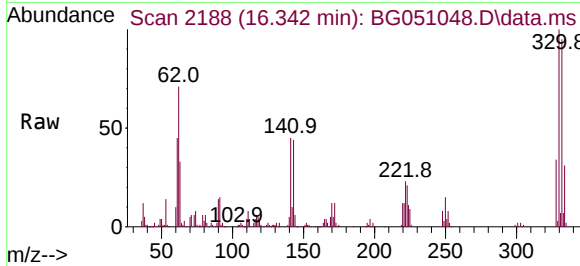




#67
4-Bromophenyl-phenylether
Concen: 4.687 ng
RT: 16.342 min Scan# 2188
Delta R.T. -0.435 min
Lab File: BG051048.D
Acq: 15 Nov 2021 19:24

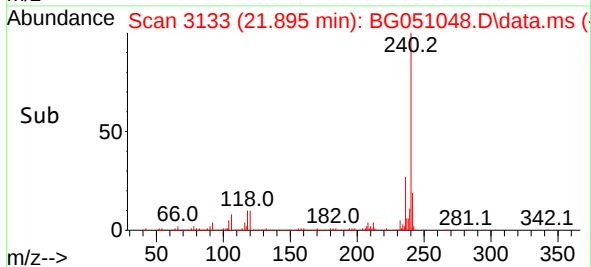
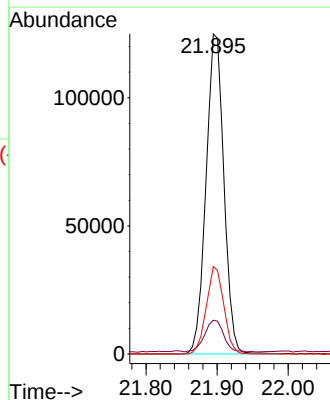
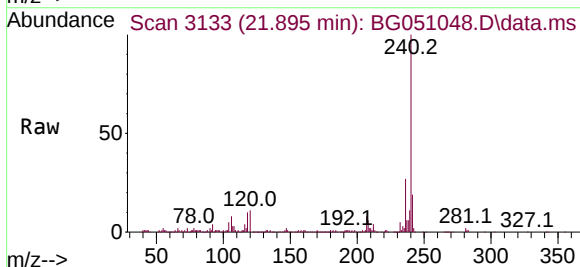
Instrument :
BNA_G
ClientSampleId :
MF-SOIL-P3

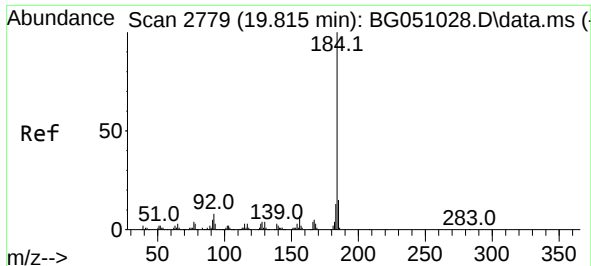
Tgt Ion:248 Resp: 13456
Ion Ratio Lower Upper
248 100
250 193.9 76.1 114.1#
141 582.5 65.4 98.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.895 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BG051048.D
Acq: 15 Nov 2021 19:24

Tgt Ion:240 Resp: 218414
Ion Ratio Lower Upper
240 100
120 10.5 4.2 6.2#
236 27.3 21.8 32.6

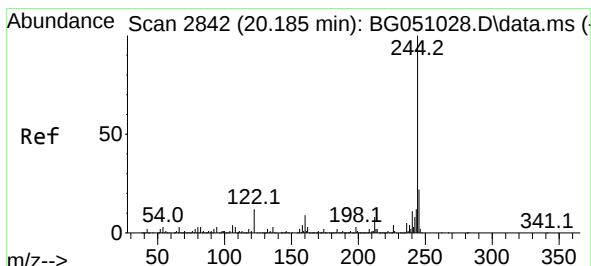
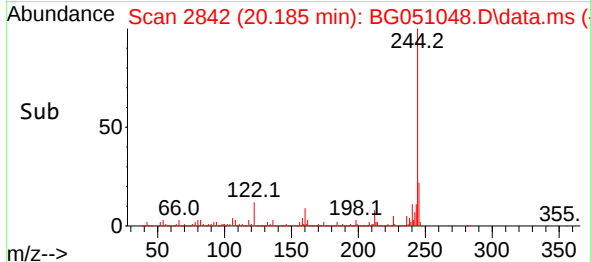
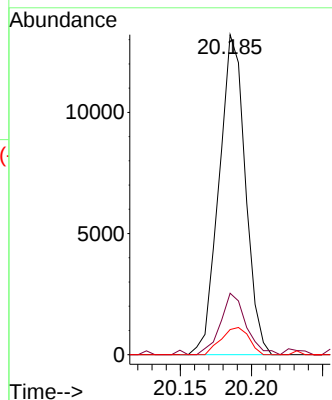
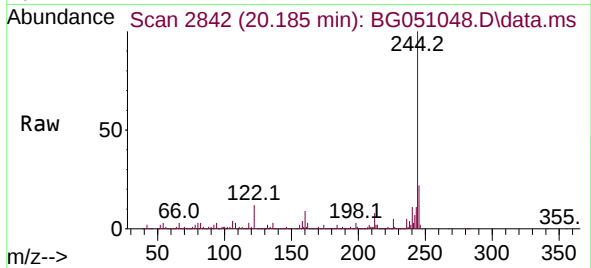




#77
Benzidine
Concen: 4.107 ng
RT: 20.185 min Scan# 2842
Delta R.T. 0.370 min
Lab File: BG051048.D
Acq: 15 Nov 2021 19:24

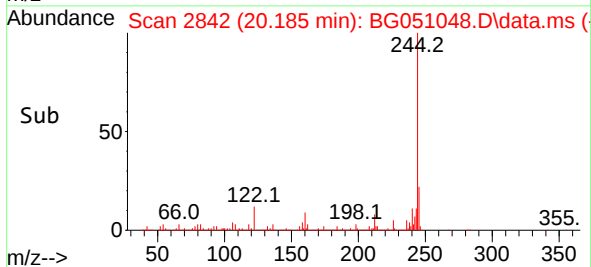
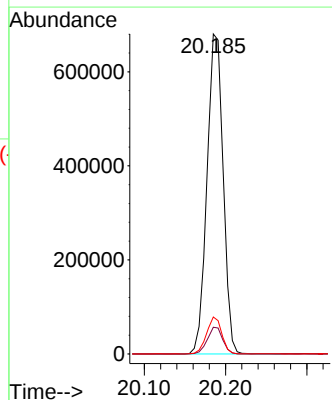
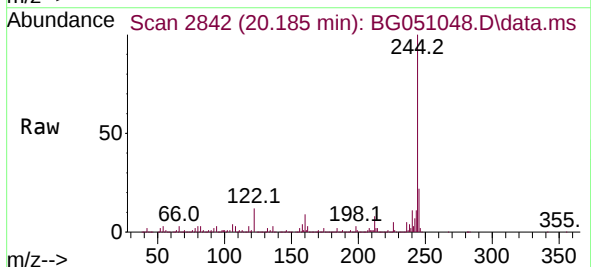
Instrument :
BNA_G
ClientSampleId :
MF-SOIL-P3

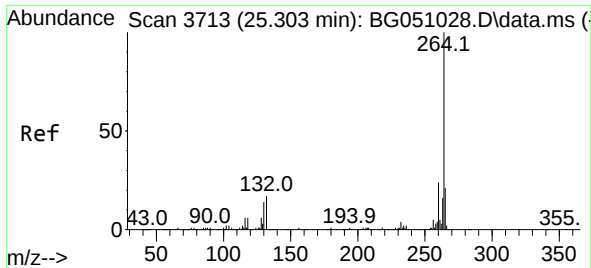
Tgt Ion:184 Resp: 16954
Ion Ratio Lower Upper
184 100
185 19.2 10.7 16.1#
183 7.9 9.4 14.0#



#79
Terphenyl-d14
Concen: 78.796 ng
RT: 20.185 min Scan# 2842
Delta R.T. -0.000 min
Lab File: BG051048.D
Acq: 15 Nov 2021 19:24

Tgt Ion:244 Resp: 940557
Ion Ratio Lower Upper
244 100
212 8.4 6.9 10.3
122 11.6 5.0 7.6#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.308 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: BG051048.D
 Acq: 15 Nov 2021 19:24

Instrument :
 BNA_G
 ClientSampleId :
 MF-SOIL-P3

Tgt Ion:264 Resp: 214516
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.4 29.2
 265 21.5 16.9 25.3

