

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102021\
 Data File : BG050653.D
 Acq On : 20 Oct 2021 20:13
 Operator : CG/JU
 Sample : M4287-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EXC-SOIL-B

Quant Time: Oct 21 03:18:08 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)

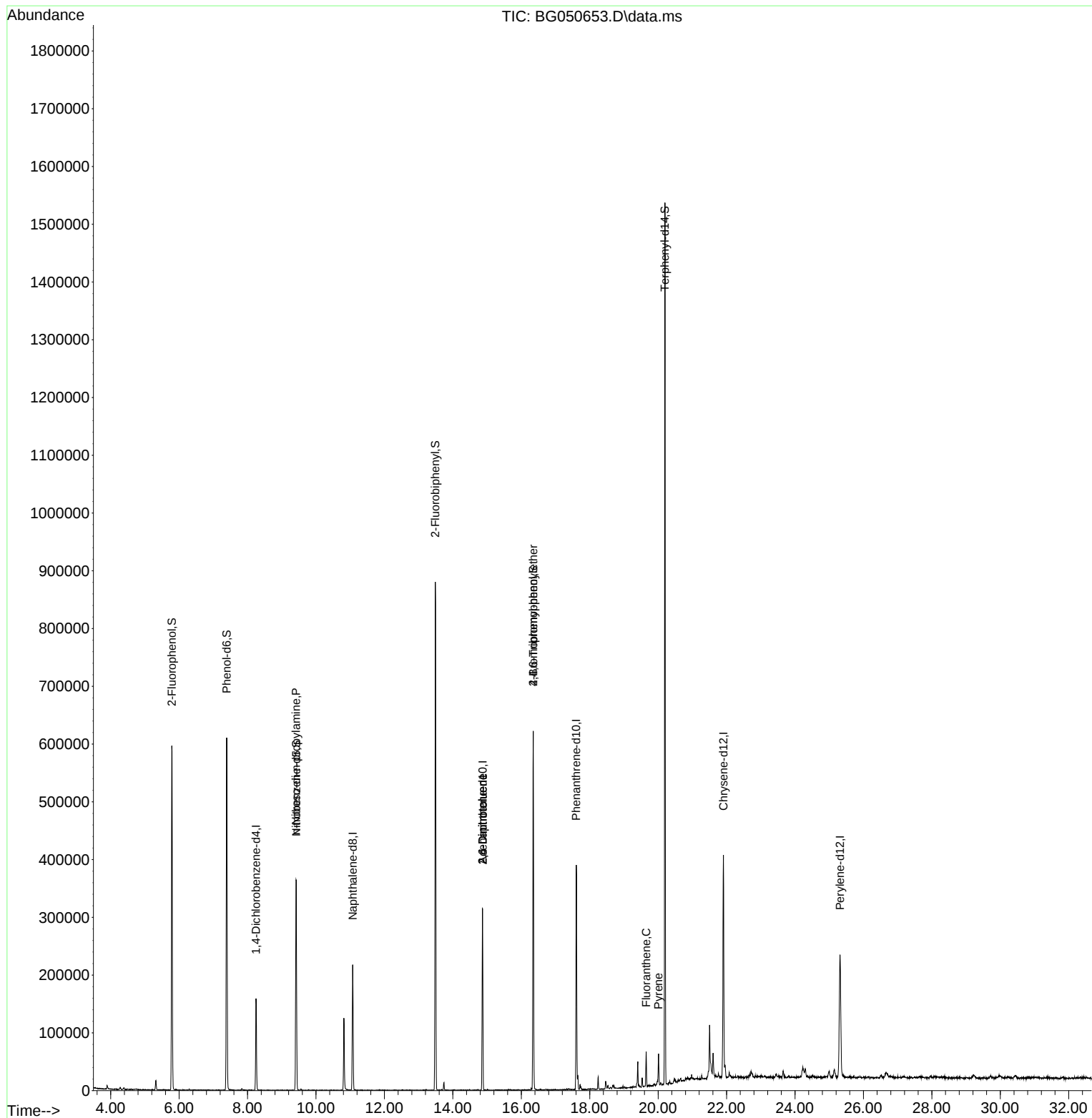
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.247	152	42956	20.000	ng	-0.01
21) Naphthalene-d8	11.074	136	172510	20.000	ng	#-0.01
39) Acenaphthene-d10	14.869	164	110970	20.000	ng	0.00
64) Phenanthrene-d10	17.607	188	238882	20.000	ng	#-0.01
76) Chrysene-d12	21.908	240	221792	20.000	ng	#-0.02
86) Perylene-d12	25.316	264	217010	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.792	112	254853	88.728	ng	0.00
7) Phenol-d6	7.390	99	340637	81.912	ng	-0.01
23) Nitrobenzene-d5	9.423	82	242441	58.177	ng	0.00
42) 2,4,6-Tribromophenol	16.350	330	86255	81.491	ng	-0.01
45) 2-Fluorobiphenyl	13.488	172	435114	59.012	ng	-0.02
79) Terphenyl-d14	20.198	244	664836	58.417	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.396	77	753	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.417	70	34040	11.230	ng	# 72
51) 2,6-Dinitrotoluene	14.869	165	14017	8.343	ng	# 12
57) 2,4-Dinitrotoluene	14.869	165	14017	5.919	ng	# 17
67) 4-Bromophenyl-phenylether	16.350	248	7485	3.109	ng	# 1
75) Fluoranthene	19.652	202	35804	2.314	ng	93
78) Pyrene	20.010	202	33910	2.155	ng	98

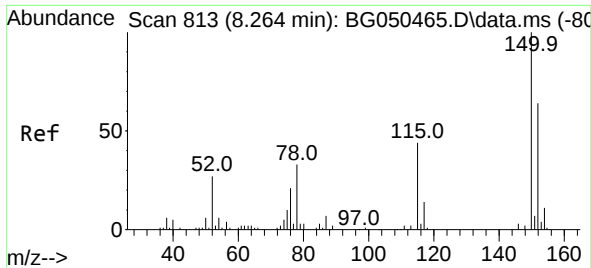
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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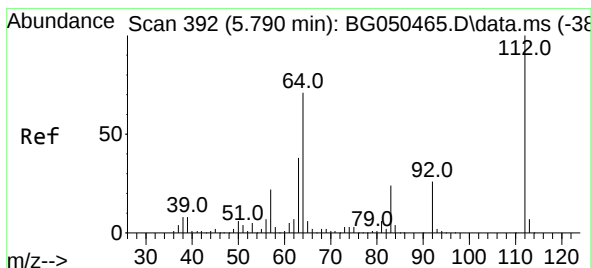
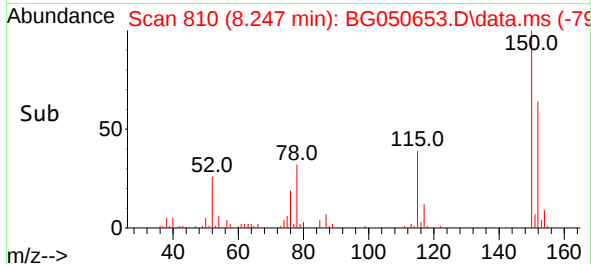
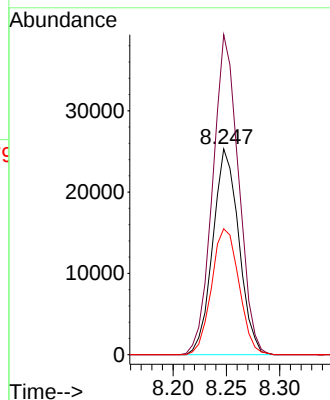
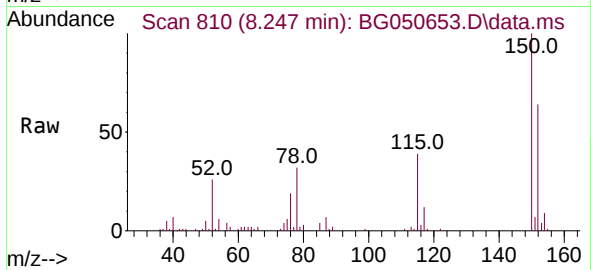




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.247 min Scan# 810
Delta R.T. -0.011 min
Lab File: BG050653.D
Acq: 20 Oct 2021 20:13

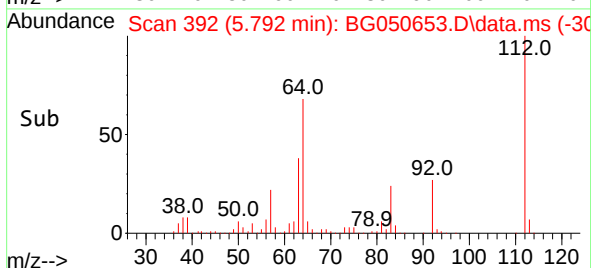
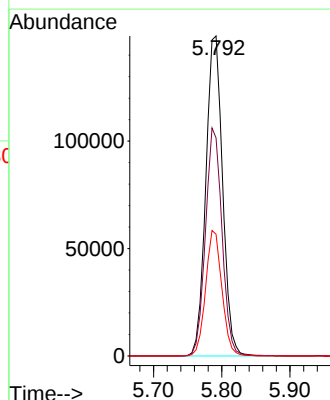
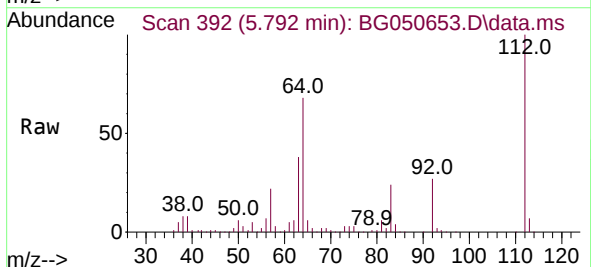
Instrument :
BNA_G
ClientSampleId :
EXC-SOIL-B

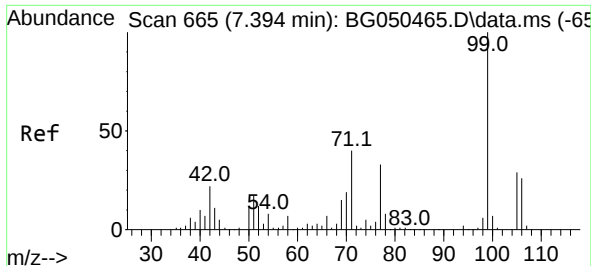
Tgt Ion:152 Resp: 42956
Ion Ratio Lower Upper
152 100
150 155.5 119.4 179.0
115 61.2 60.2 90.4



#5
2-Fluorophenol
Concen: 88.728 ng
RT: 5.792 min Scan# 392
Delta R.T. 0.001 min
Lab File: BG050653.D
Acq: 20 Oct 2021 20:13

Tgt Ion:112 Resp: 254853
Ion Ratio Lower Upper
112 100
64 68.2 46.7 70.1
63 38.1 35.3 52.9

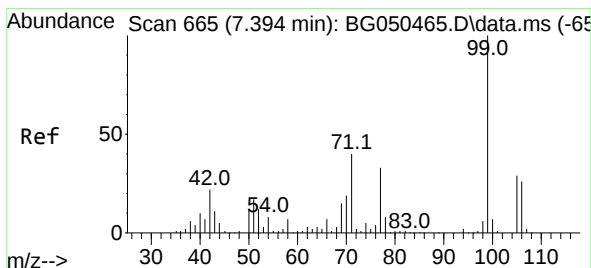
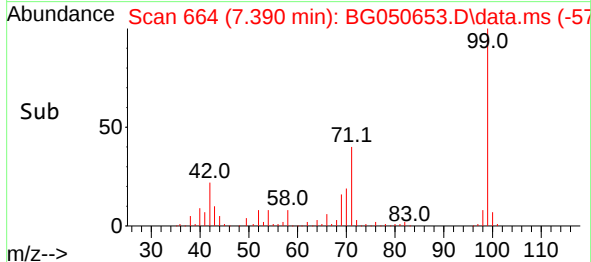
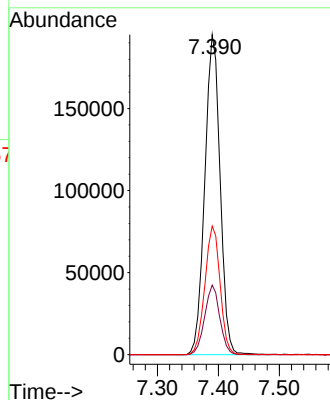
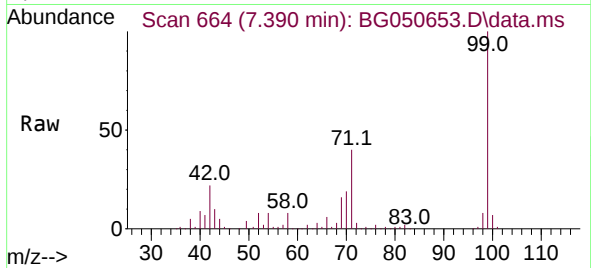




#7
Phenol-d6
Concen: 81.912 ng
RT: 7.390 min Scan# 664
Delta R.T. -0.011 min
Lab File: BG050653.D
Acq: 20 Oct 2021 20:13

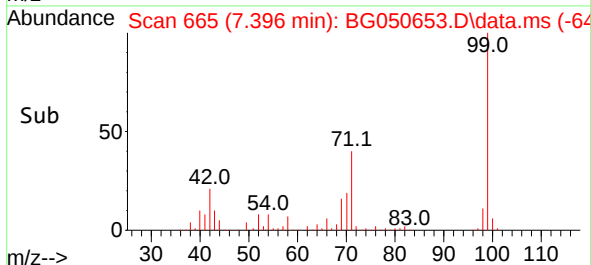
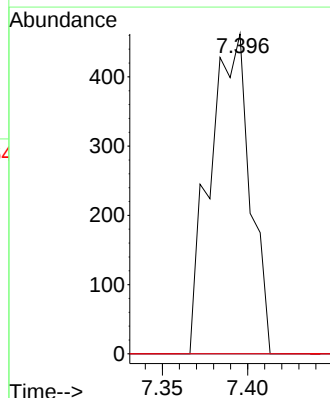
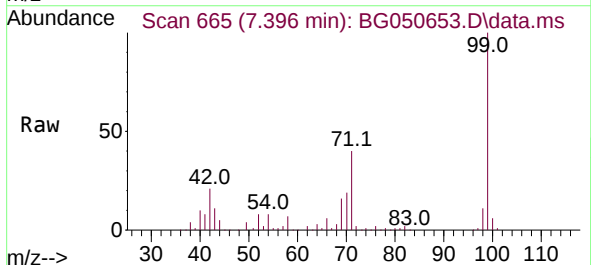
Instrument :
BNA_G
ClientSampleId :
EXC-SOIL-B

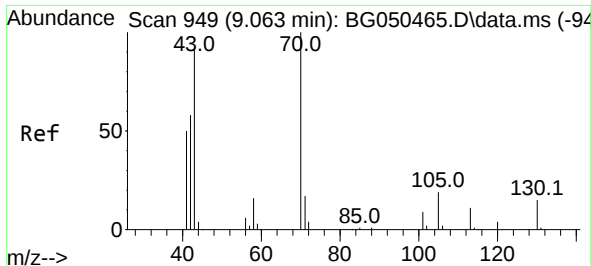
Tgt Ion: 99 Resp: 340637
Ion Ratio Lower Upper
99 100
42 21.7 20.5 30.7
71 40.2 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.396 min Scan# 665
Delta R.T. 0.007 min
Lab File: BG050653.D
Acq: 20 Oct 2021 20:13

Tgt Ion: 77 Resp: 753
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#

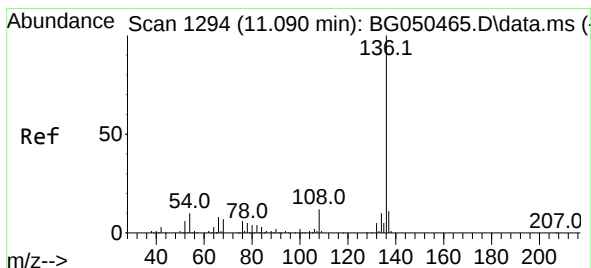
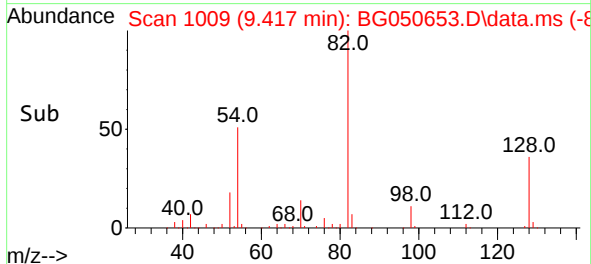
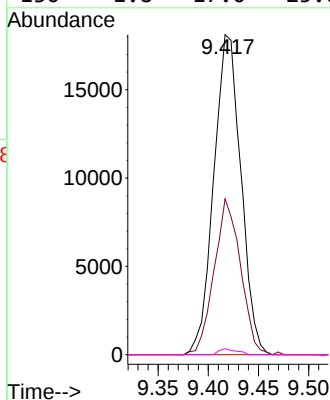
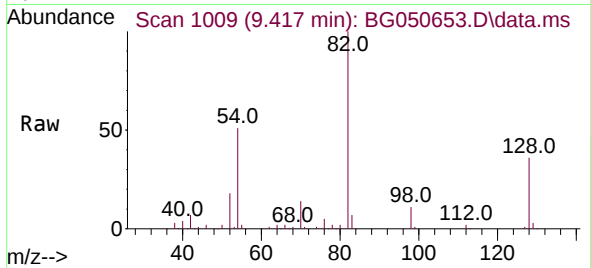




#19
n-Nitroso-di-n-propylamine
Concen: 11.230 ng
RT: 9.417 min Scan# 1009
Delta R.T. 0.359 min
Lab File: BG050653.D
Acq: 20 Oct 2021 20:13

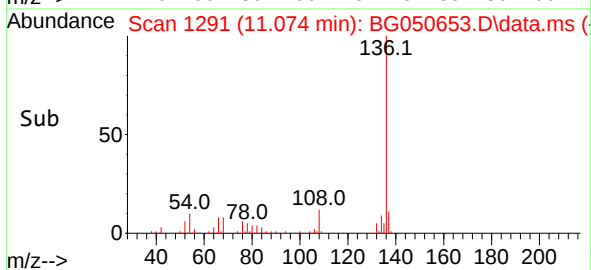
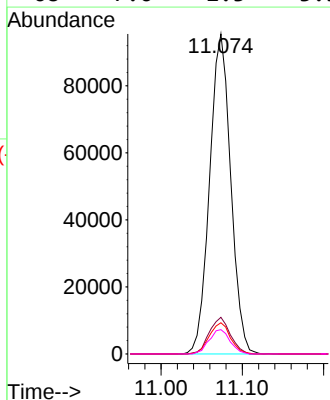
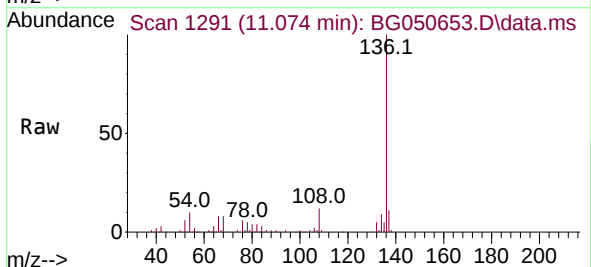
Instrument :
BNA_G
ClientSampleId :
EXC-SOIL-B

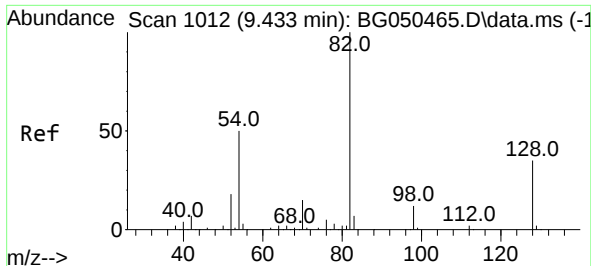
Tgt Ion: 70 Resp: 34040
Ion Ratio Lower Upper
70 100
42 48.7 54.5 81.7#
101 0.0 9.0 13.6#
130 1.8 17.0 25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.074 min Scan# 1291
Delta R.T. -0.011 min
Lab File: BG050653.D
Acq: 20 Oct 2021 20:13

Tgt Ion:136 Resp: 172510
Ion Ratio Lower Upper
136 100
137 11.4 8.2 12.2
54 9.7 5.5 8.3#
68 7.6 2.3 3.5#

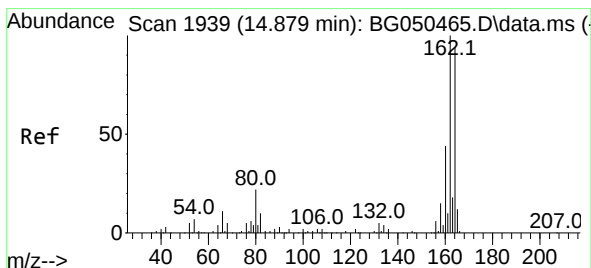
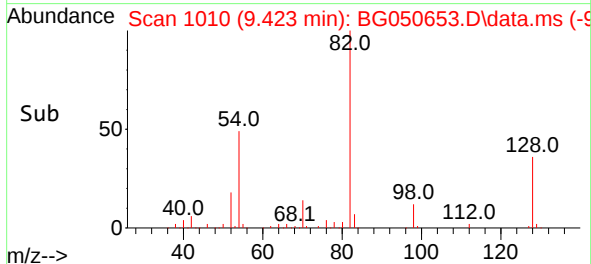
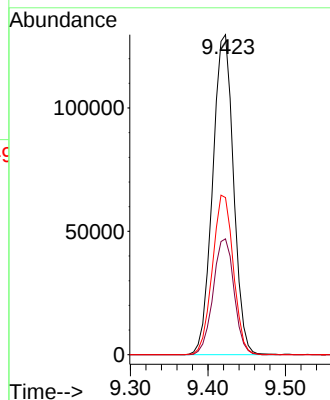
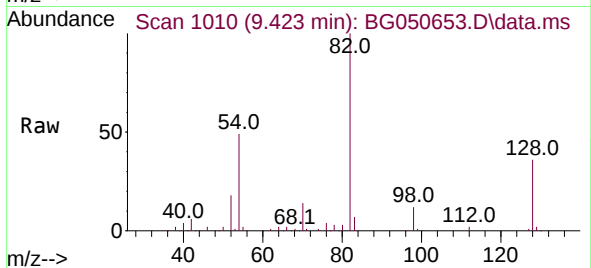




#23
Nitrobenzene-d5
Concen: 58.177 ng
RT: 9.423 min Scan# 1010
Delta R.T. -0.005 min
Lab File: BG050653.D
Acq: 20 Oct 2021 20:13

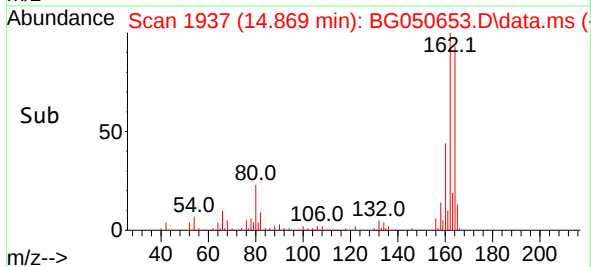
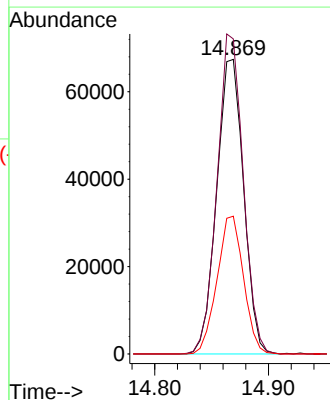
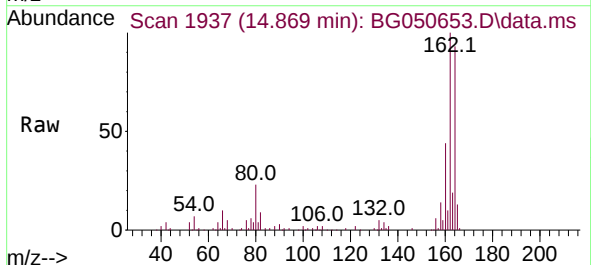
Instrument :
BNA_G
ClientSampleId :
EXC-SOIL-B

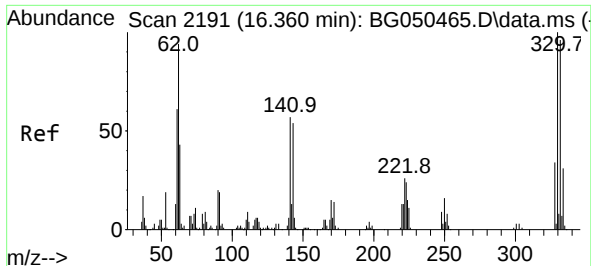
Tgt Ion: 82 Resp: 242441
Ion Ratio Lower Upper
82 100
128 36.2 29.8 44.6
54 49.1 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.869 min Scan# 1937
Delta R.T. -0.005 min
Lab File: BG050653.D
Acq: 20 Oct 2021 20:13

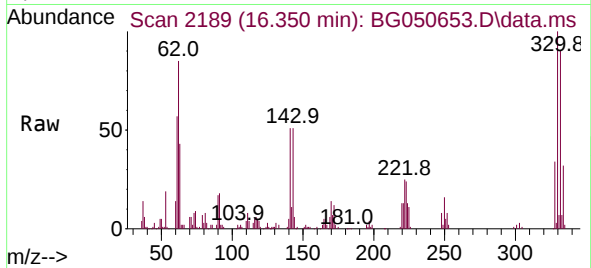
Tgt Ion:164 Resp: 110970
Ion Ratio Lower Upper
164 100
162 107.0 81.4 122.0
160 46.8 34.9 52.3



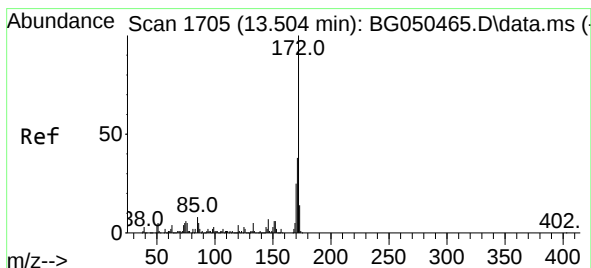
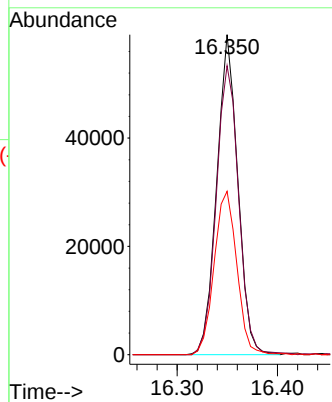
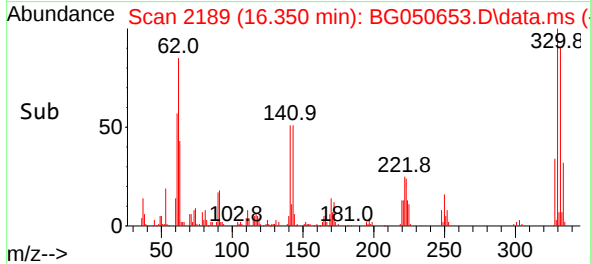


#42
2,4,6-Tribromophenol
Concen: 81.491 ng
RT: 16.350 min Scan# 2189
Delta R.T. -0.011 min
Lab File: BG050653.D
Acq: 20 Oct 2021 20:13

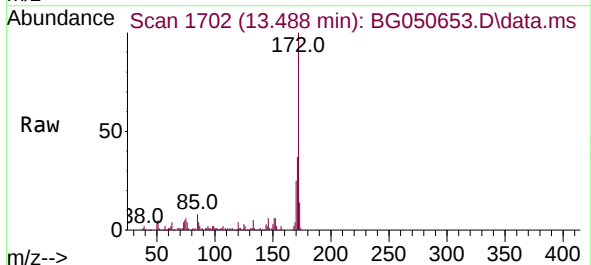
Instrument :
BNA_G
ClientSampled :
EXC-SOIL-B



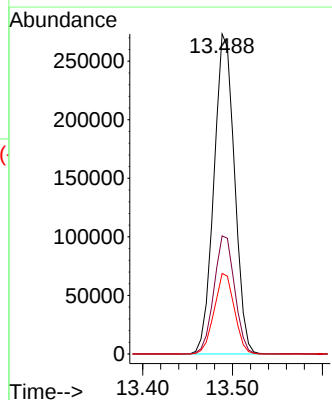
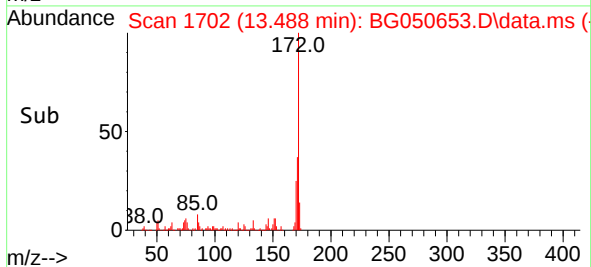
Tgt Ion:330 Resp: 86255
Ion Ratio Lower Upper
330 100
332 96.0 77.3 115.9
141 54.9 35.6 53.4#

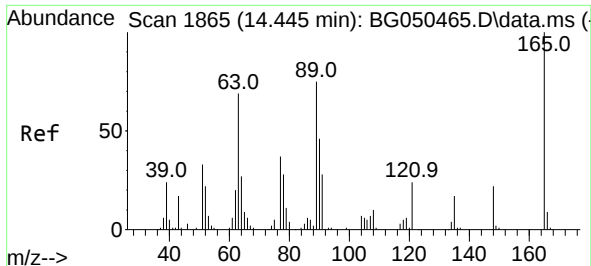


#45
2-Fluorobiphenyl
Concen: 59.012 ng
RT: 13.488 min Scan# 1702
Delta R.T. -0.017 min
Lab File: BG050653.D
Acq: 20 Oct 2021 20:13



Tgt Ion:172 Resp: 435114
Ion Ratio Lower Upper
172 100
171 36.9 28.6 43.0
170 25.2 18.6 27.8

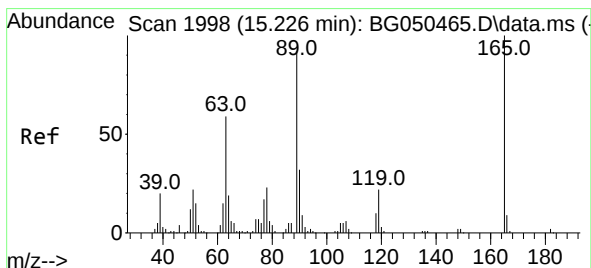
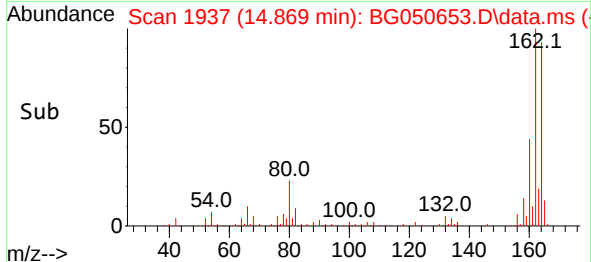
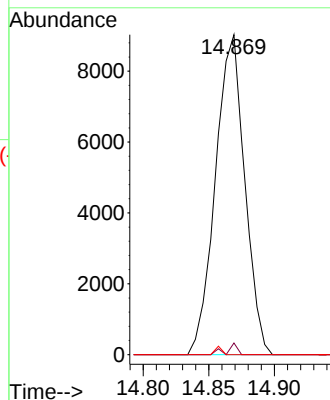
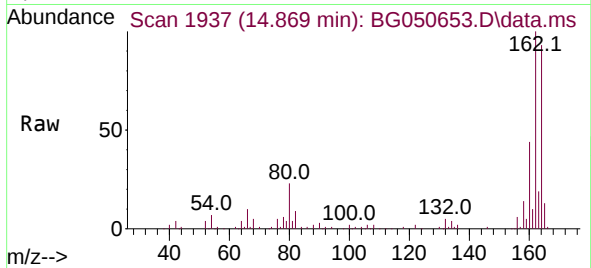




#51
2,6-Dinitrotoluene
Concen: 8.343 ng
RT: 14.869 min Scan# 1937
Delta R.T. 0.424 min
Lab File: BG050653.D
Acq: 20 Oct 2021 20:13

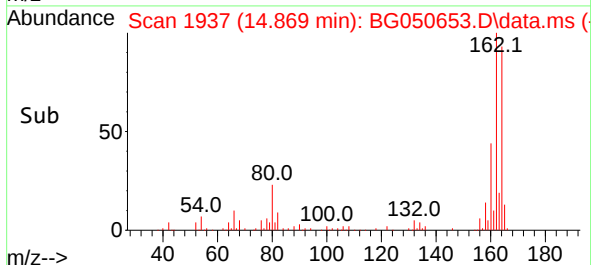
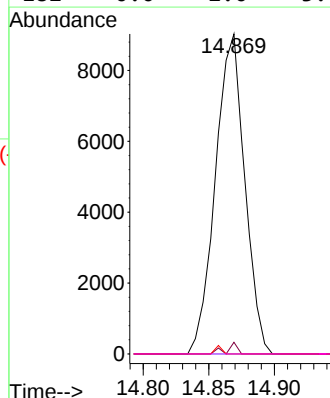
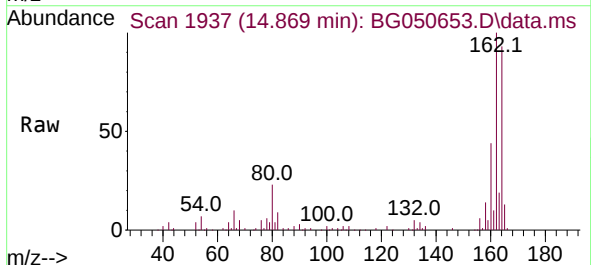
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ClientSampleId :
EXC-SOIL-B

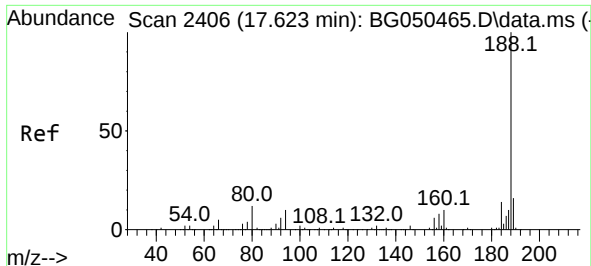
Tgt Ion:165 Resp: 14017
Ion Ratio Lower Upper
165 100
63 3.7 63.3 94.9#
89 0.0 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 5.919 ng
RT: 14.869 min Scan# 1937
Delta R.T. -0.358 min
Lab File: BG050653.D
Acq: 20 Oct 2021 20:13

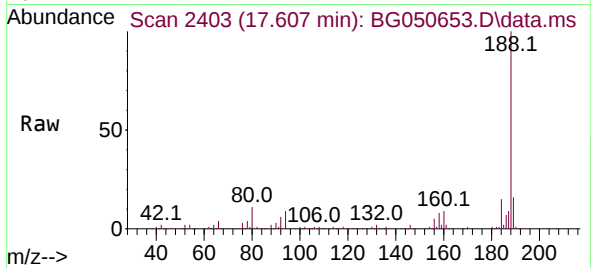
Tgt Ion:165 Resp: 14017
Ion Ratio Lower Upper
165 100
63 3.7 48.0 72.0#
89 0.0 65.4 98.0#
182 0.0 2.0 3.0#



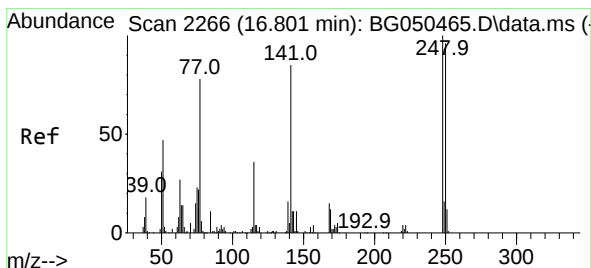
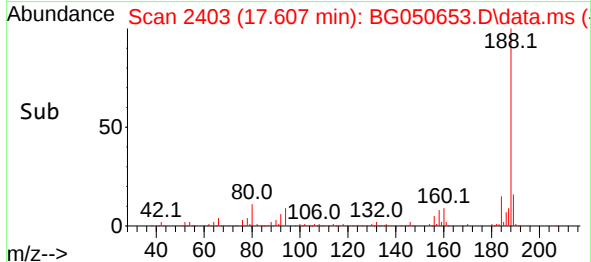
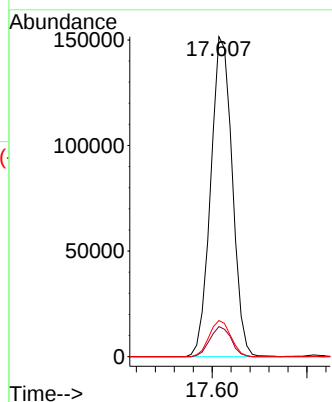


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.607 min Scan# 2403
Delta R.T. -0.011 min
Lab File: BG050653.D
Acq: 20 Oct 2021 20:13

Instrument :
BNA_G
ClientSampleId :
EXC-SOIL-B

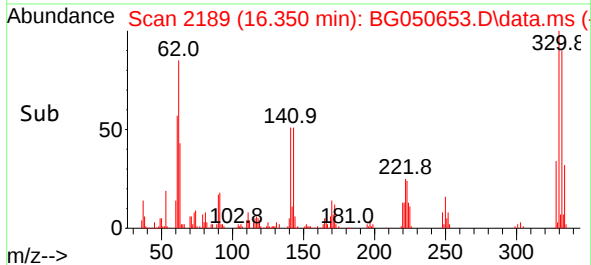
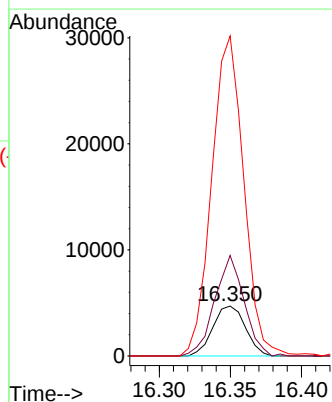
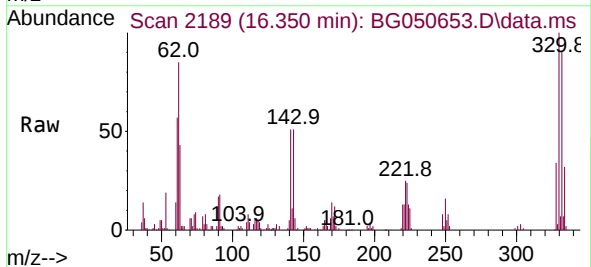


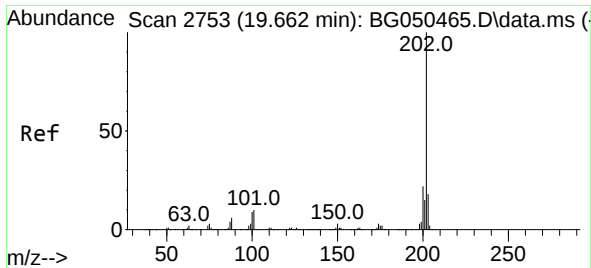
Tgt Ion:188 Resp: 238882
Ion Ratio Lower Upper
188 100
94 9.4 5.4 8.0#
80 11.3 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 3.109 ng
RT: 16.350 min Scan# 2189
Delta R.T. -0.452 min
Lab File: BG050653.D
Acq: 20 Oct 2021 20:13

Tgt Ion:248 Resp: 7485
Ion Ratio Lower Upper
248 100
250 201.1 76.1 114.1#
141 640.8 65.4 98.2#

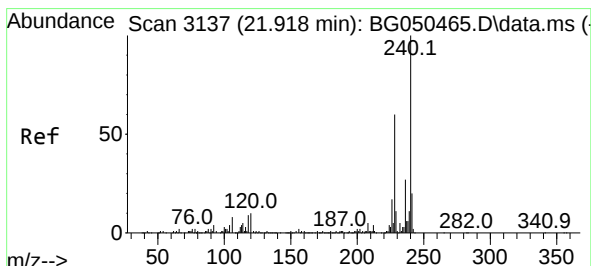
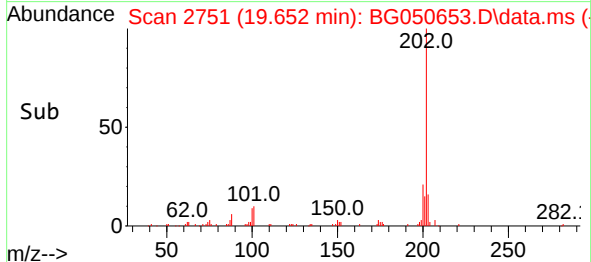
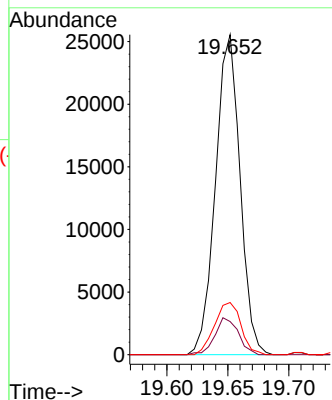
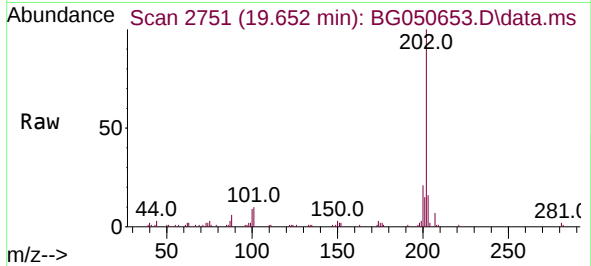




#75
Fluoranthene
Concen: 2.314 ng
RT: 19.652 min Scan# 2751
Delta R.T. -0.011 min
Lab File: BG050653.D
Acq: 20 Oct 2021 20:13

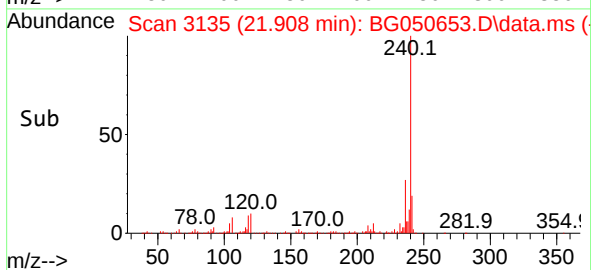
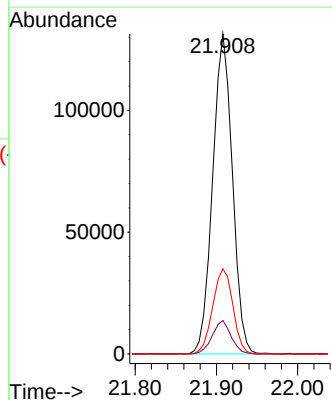
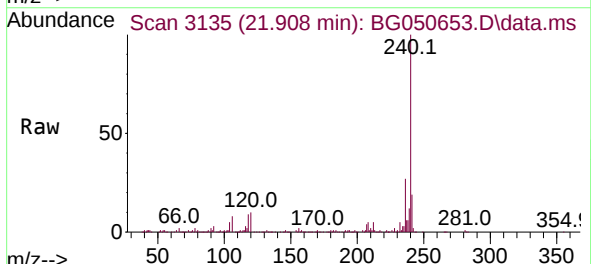
Instrument :
BNA_G
ClientSampleId :
EXC-SOIL-B

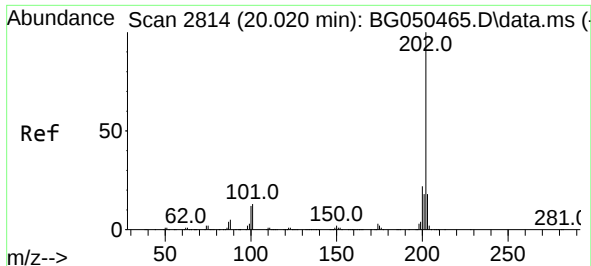
Tgt Ion:	202	Resp:	35804
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	24.7
203	16.3	0.0	38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.908 min Scan# 3135
Delta R.T. -0.017 min
Lab File: BG050653.D
Acq: 20 Oct 2021 20:13

Tgt Ion:	240	Resp:	221792
Ion Ratio	Lower	Upper	
240	100		
120	10.4	4.2	6.2#
236	26.6	21.8	32.6

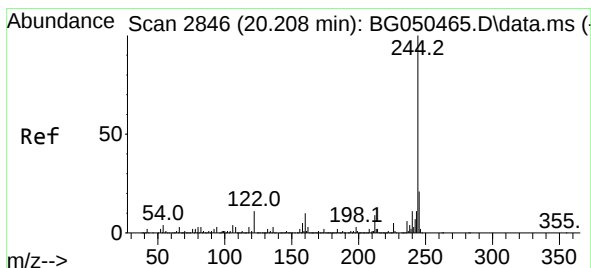
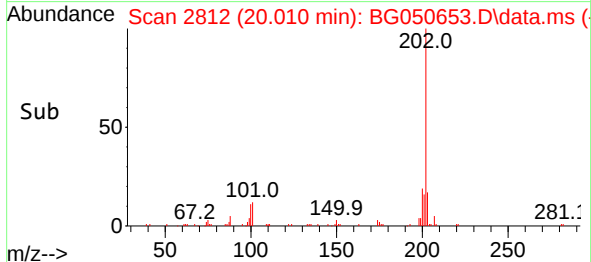
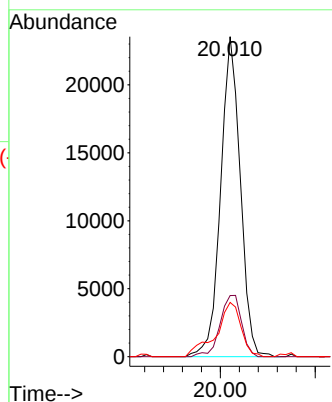
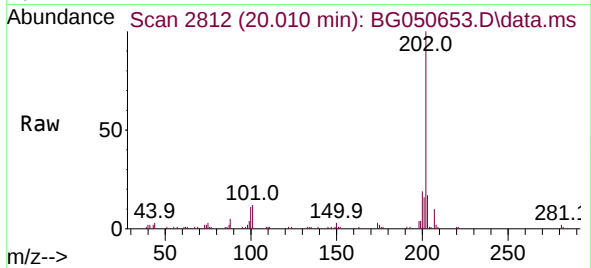




#78
 Pyrene
 Concen: 2.155 ng
 RT: 20.010 min Scan# 2812
 Delta R.T. -0.011 min
 Lab File: BG050653.D
 Acq: 20 Oct 2021 20:13

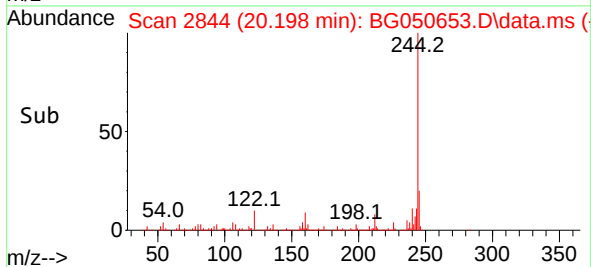
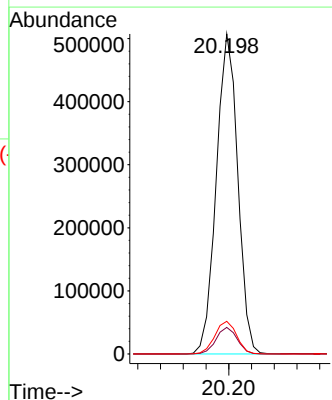
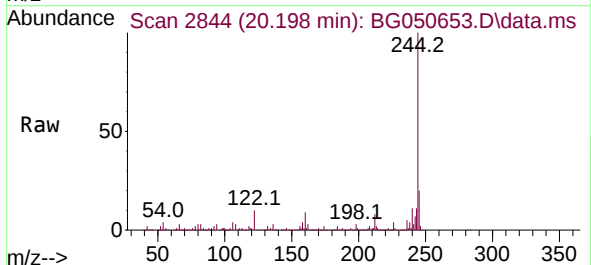
Instrument :
 BNA_G
 ClientSampleId :
 EXC-SOIL-B

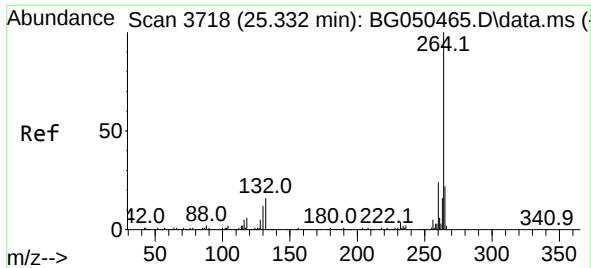
Tgt Ion:202	Resp:	33910
Ion Ratio	Lower	Upper
202	100	
200	19.1	15.8 23.8
203	17.0	14.6 21.8



#79
 Terphenyl-d14
 Concen: 58.417 ng
 RT: 20.198 min Scan# 2844
 Delta R.T. -0.011 min
 Lab File: BG050653.D
 Acq: 20 Oct 2021 20:13

Tgt Ion:244	Resp:	664836
Ion Ratio	Lower	Upper
244	100	
212	8.3	6.9 10.3
122	10.2	5.0 7.6#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.316 min Scan# 3715
 Delta R.T. -0.017 min
 Lab File: BG050653.D
 Acq: 20 Oct 2021 20:13

Instrument :
 BNA_G
 ClientSampleId :
 EXC-SOIL-B

Tgt Ion:	264	Resp:	217010
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.4	29.2
265	21.7	16.9	25.3

