

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070721\  
 Data File : BG049211.D  
 Acq On : 7 Jul 2021 22:55  
 Operator : CG/JU  
 Sample : M2947-07  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOIL-PILE-7

Quant Time: Jul 08 02:22:25 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG063021.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 06 10:59:02 2021  
 Response via : Initial Calibration

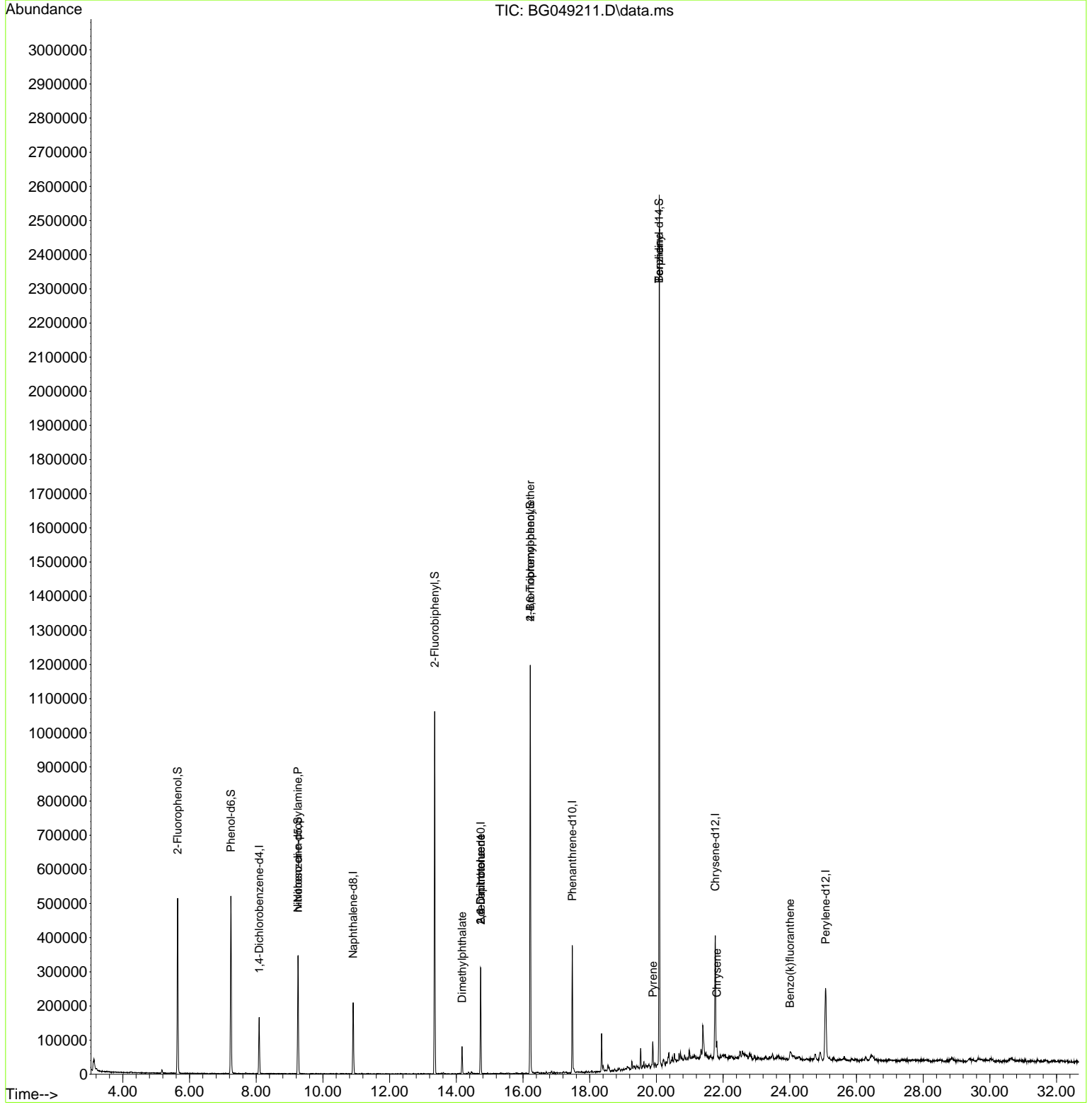
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.088	152	42857	20.00	ng	0.00
21) Naphthalene-d8	10.908	136	171539	20.00	ng	# 0.00
39) Acenaphthene-d10	14.733	164	111690	20.00	ng	0.00
64) Phenanthrene-d10	17.477	188	236390	20.00	ng	# 0.00
76) Chrysene-d12	21.766	240	229760	20.00	ng	0.00
86) Perylene-d12	25.074	264	243011	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.644	112	207037	75.66	ng	0.00
7) Phenol-d6	7.242	99	273349	70.07	ng	0.00
23) Nitrobenzene-d5	9.251	82	209065	51.67	ng	0.00
42) 2,4,6-Tribromophenol	16.220	330	248377	128.28	ng	0.00
45) 2-Fluorobiphenyl	13.352	172	545248	65.86	ng	0.00
79) Terphenyl-d14	20.086	244	1220355	90.00	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.251	70	29845	10.65	ng	# 71
50) Dimethylphthalate	14.175	163	50249	5.61	ng	98
51) 2,6-Dinitrotoluene	14.733	165	15665	7.62	ng	# 13
57) 2,4-Dinitrotoluene	14.733	165	15665	5.37	ng	# 19
67) 4-Bromophenyl-phenylether	16.220	248	15245	4.78	ng	# 1
77) Benzidine	20.086	184	22968	4.65	ng	# 91
78) Pyrene	19.892	202	46958	2.75	ng	96
83) Chrysene	21.813	228	35208	2.16	ng	99
89) Benzo(k)fluoranthene	24.010	252	33736	2.02	ng	# 90

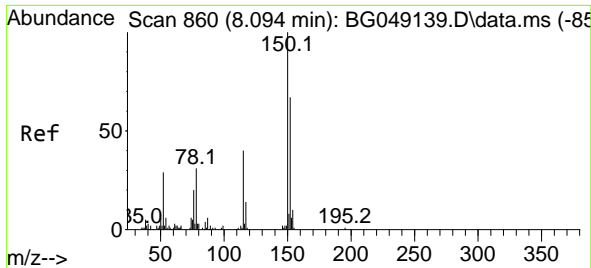
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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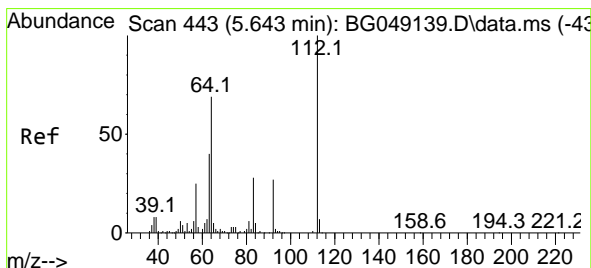
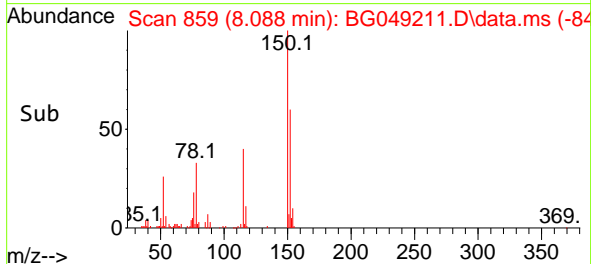
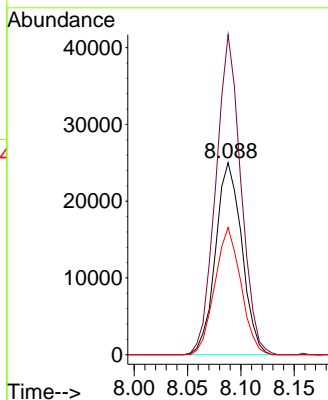
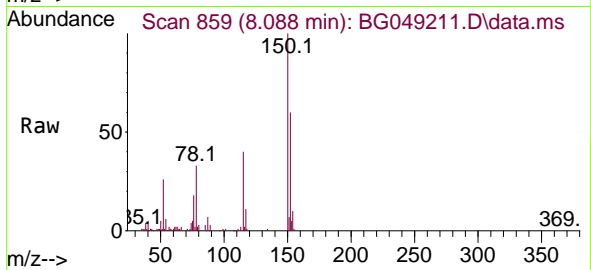




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 8.088 min Scan# 859  
 Delta R.T. -0.003 min  
 Lab File: BG049211.D  
 Acq: 7 Jul 2021 22:55

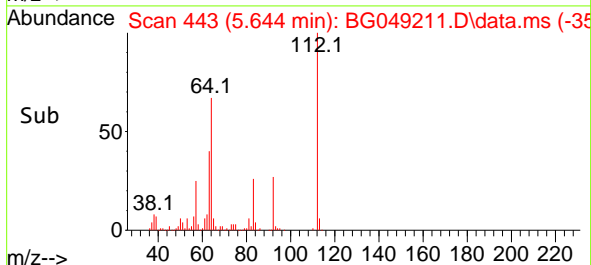
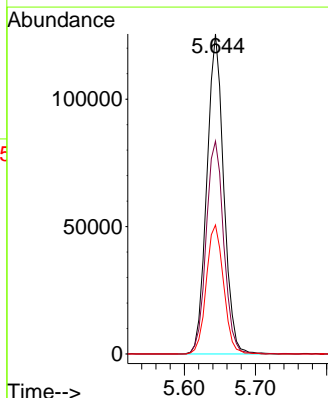
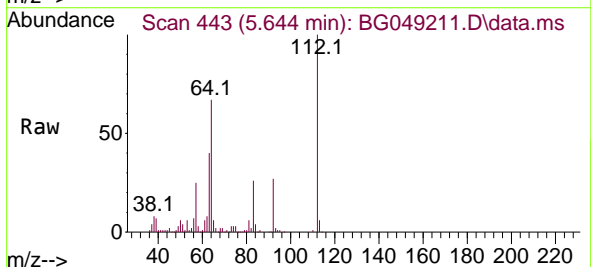
Instrument :  
 BNA\_G  
 ClientSampled :  
 SOIL-PILE-7

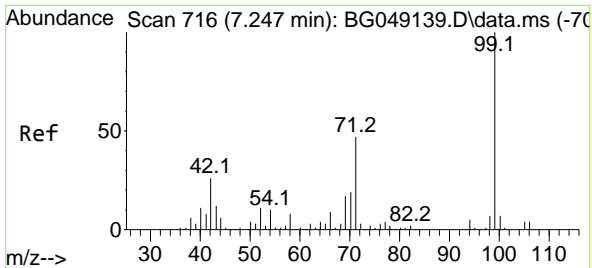
Tgt Ion:152 Resp: 42857  
 Ion Ratio Lower Upper  
 152 100  
 150 166.7 119.4 179.0  
 115 66.3 60.2 90.4



#5  
 2-Fluorophenol  
 Concen: 75.66 ng  
 RT: 5.644 min Scan# 443  
 Delta R.T. 0.009 min  
 Lab File: BG049211.D  
 Acq: 7 Jul 2021 22:55

Tgt Ion:112 Resp: 207037  
 Ion Ratio Lower Upper  
 112 100  
 64 66.5 46.7 70.1  
 63 40.3 35.3 52.9

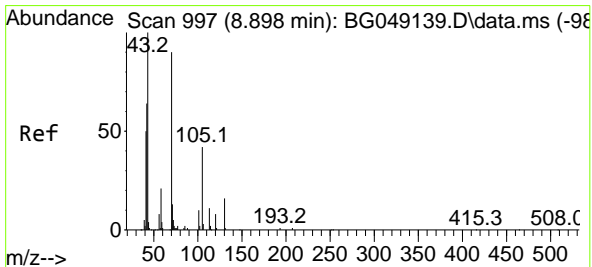
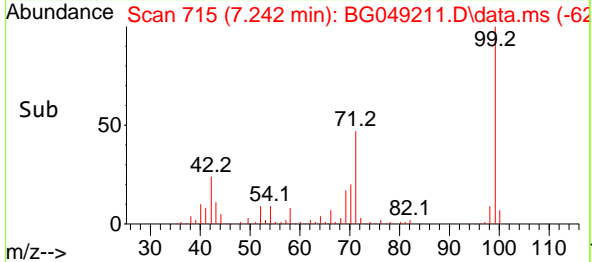
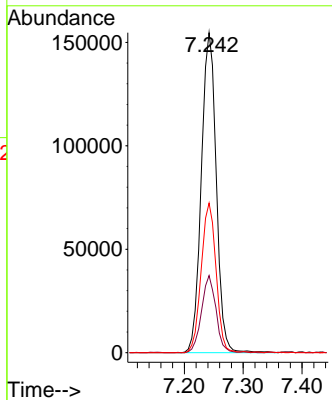
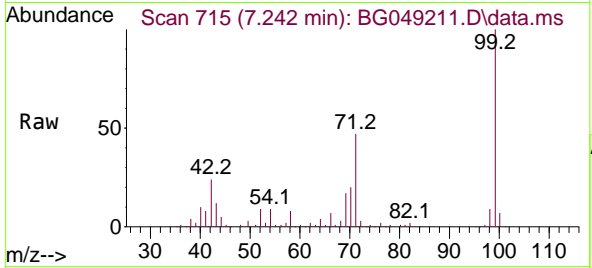




#7  
 Phenol-d6  
 Concen: 70.07 ng  
 RT: 7.242 min Scan# 715  
 Delta R.T. 0.003 min  
 Lab File: BG049211.D  
 Acq: 7 Jul 2021 22:55

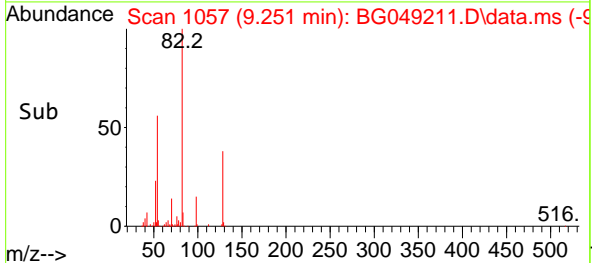
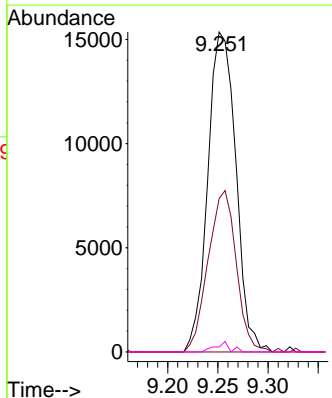
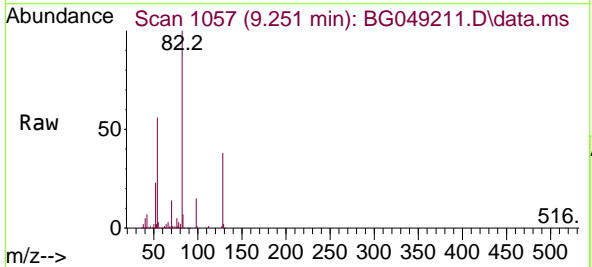
Instrument :  
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 ClientSampled :  
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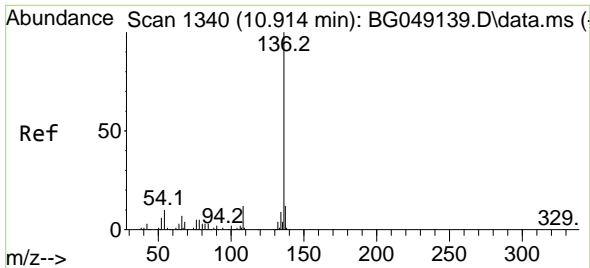
Tgt Ion	Resp	Lower	Upper
99	273349		
99	100		
42	24.1	20.5	30.7
71	46.7	41.5	62.3



#19  
 n-Nitroso-di-n-propylamine  
 Concen: 10.65 ng  
 RT: 9.251 min Scan# 1057  
 Delta R.T. 0.356 min  
 Lab File: BG049211.D  
 Acq: 7 Jul 2021 22:55

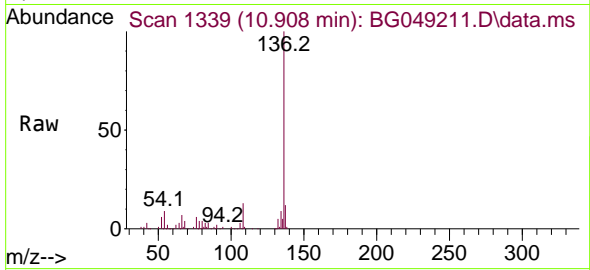
Tgt Ion	Resp	Lower	Upper
70	29845		
70	100		
42	47.9	54.5	81.7#
101	0.0	9.0	13.6#
130	1.6	17.0	25.6#



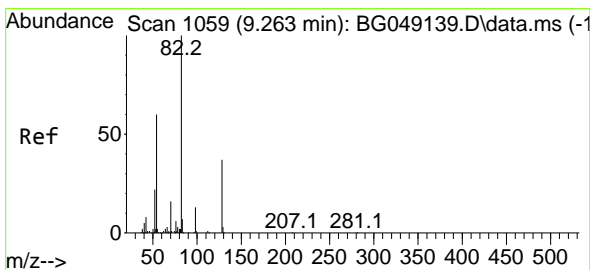
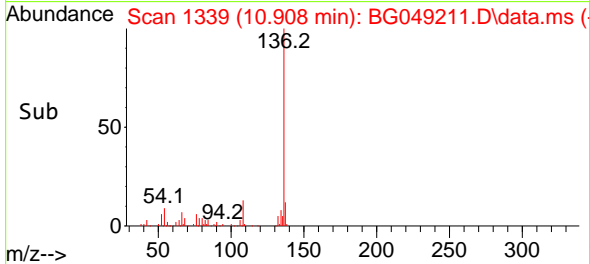
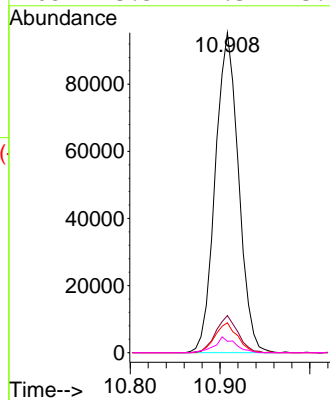


#21  
 Naphthalene-d8  
 Concen: 20.00 ng  
 RT: 10.908 min Scan# 1339  
 Delta R.T. 0.003 min  
 Lab File: BG049211.D  
 Acq: 7 Jul 2021 22:55

Instrument :  
 BNA\_G  
 ClientSampled :  
 SOIL-PILE-7

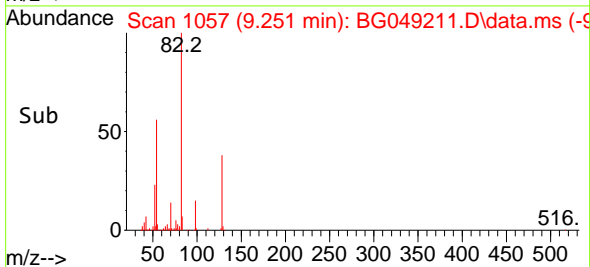
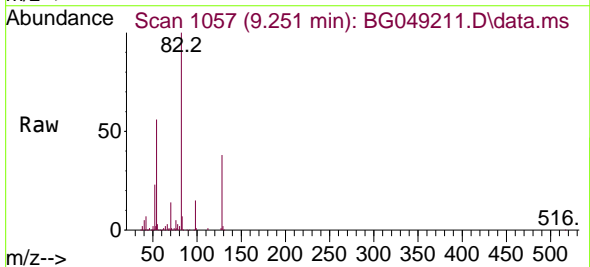
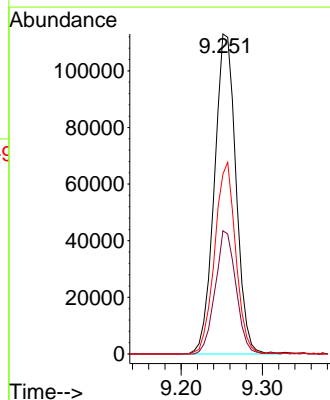


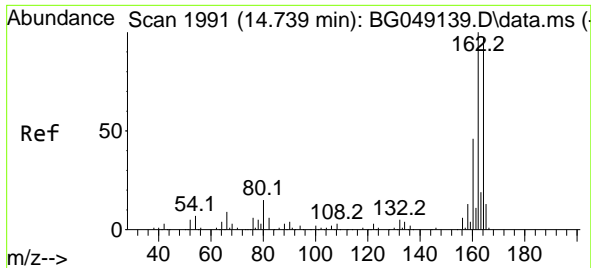
Tgt Ion	Resp	Lower	Upper
136	100		
137	11.6	8.2	12.2
54	9.4	5.5	8.3#
68	3.5	2.3	3.5#



#23  
 Nitrobenzene-d5  
 Concen: 51.67 ng  
 RT: 9.251 min Scan# 1057  
 Delta R.T. -0.003 min  
 Lab File: BG049211.D  
 Acq: 7 Jul 2021 22:55

Tgt Ion	Resp	Lower	Upper
82	100		
128	38.5	29.8	44.6
54	56.2	45.8	68.8



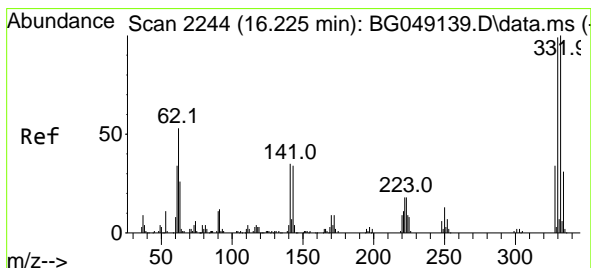
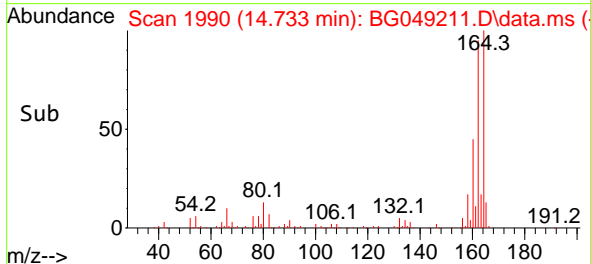
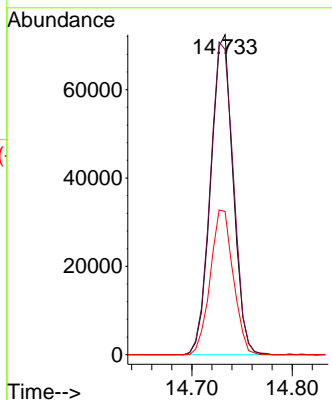
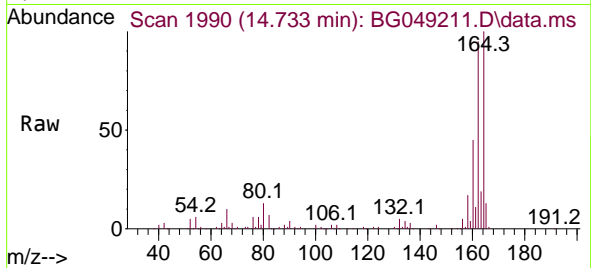


#39  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.733 min Scan# 1990  
 Delta R.T. 0.003 min  
 Lab File: BG049211.D  
 Acq: 7 Jul 2021 22:55

Instrument :  
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 ClientSampled :  
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Tgt Ion:164 Resp: 111690

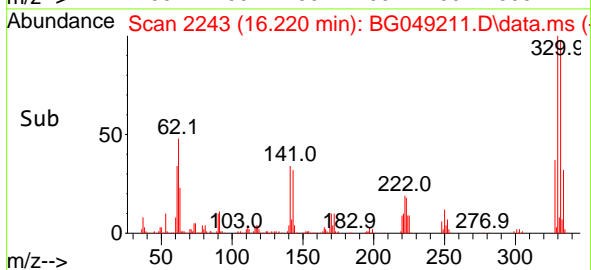
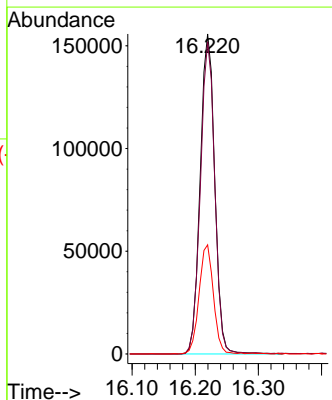
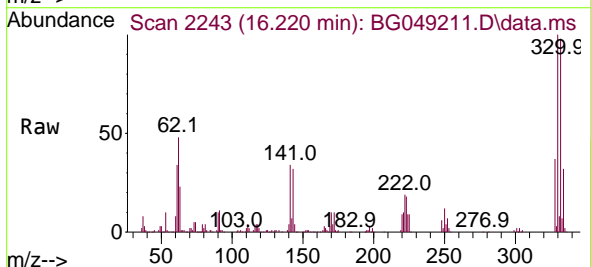
Ion	Ratio	Lower	Upper
164	100		
162	95.3	81.4	122.0
160	44.7	34.9	52.3

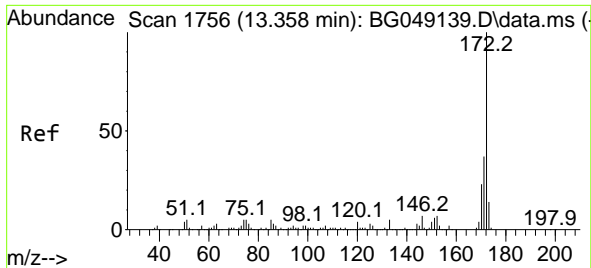


#42  
 2,4,6-Tribromophenol  
 Concen: 128.28 ng  
 RT: 16.220 min Scan# 2243  
 Delta R.T. 0.003 min  
 Lab File: BG049211.D  
 Acq: 7 Jul 2021 22:55

Tgt Ion:330 Resp: 248377

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.3	115.9
141	33.7	35.6	53.4#

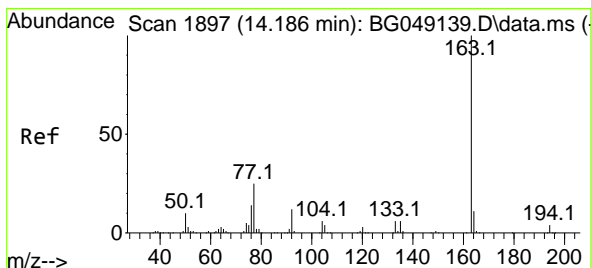
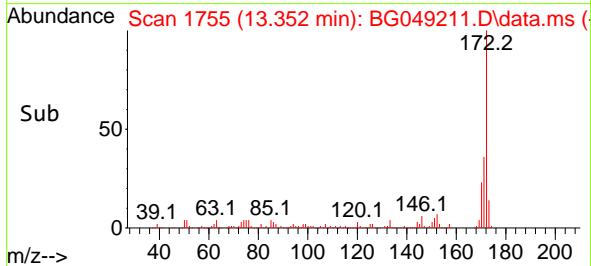
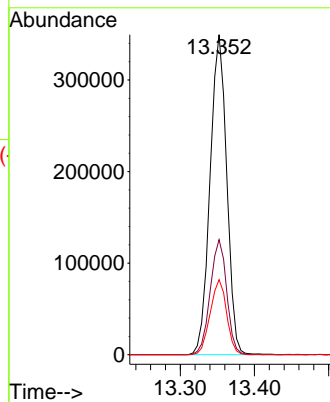
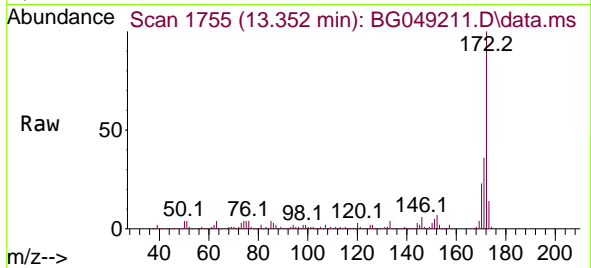




#45  
 2-Fluorobiphenyl  
 Concen: 65.86 ng  
 RT: 13.352 min Scan# 1755  
 Delta R.T. 0.003 min  
 Lab File: BG049211.D  
 Acq: 7 Jul 2021 22:55

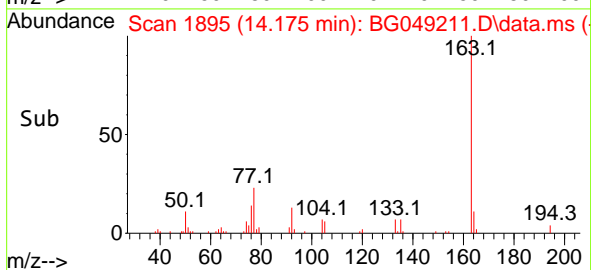
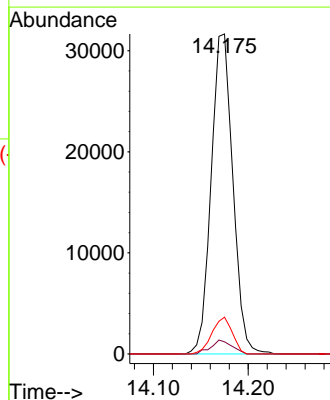
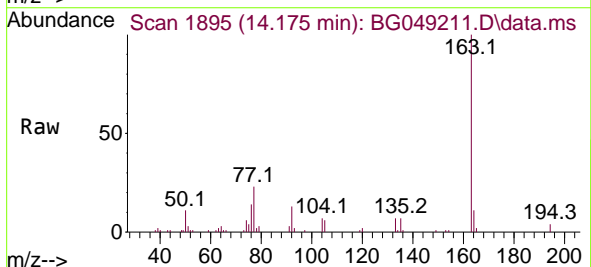
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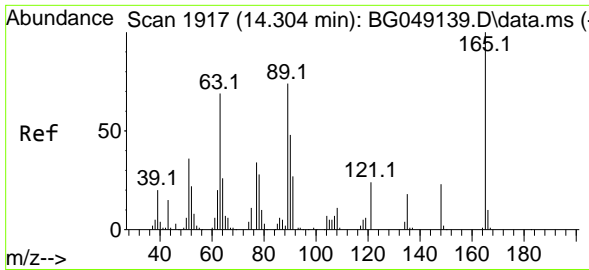
Tgt Ion	Resp	Lower	Upper
172	545248	100	100
171	36.0	28.6	43.0
170	23.5	18.6	27.8



#50  
 Dimethylphthalate  
 Concen: 5.61 ng  
 RT: 14.175 min Scan# 1895  
 Delta R.T. -0.003 min  
 Lab File: BG049211.D  
 Acq: 7 Jul 2021 22:55

Tgt Ion	Resp	Lower	Upper
163	50249	100	100
194	3.8	3.0	4.6
164	11.5	8.6	12.8

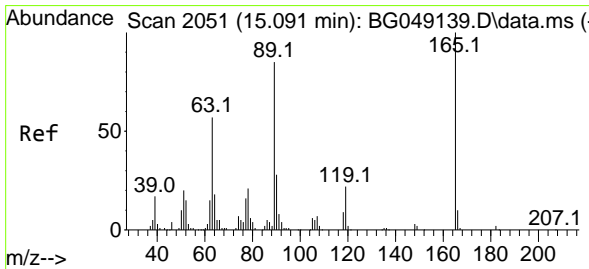
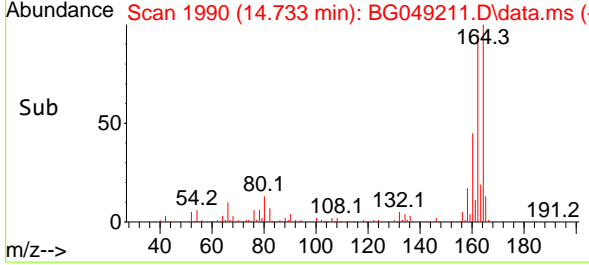
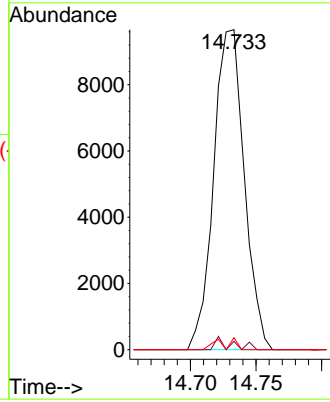
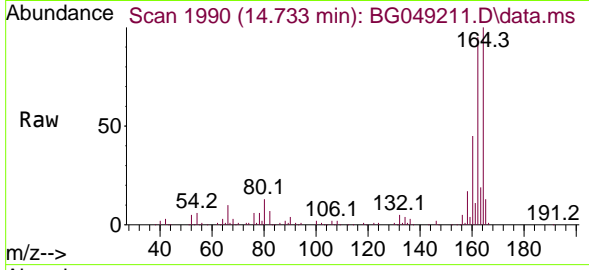




#51  
 2,6-Dinitrotoluene  
 Concen: 7.62 ng  
 RT: 14.733 min Scan# 1990  
 Delta R.T. 0.438 min  
 Lab File: BG049211.D  
 Acq: 7 Jul 2021 22:55

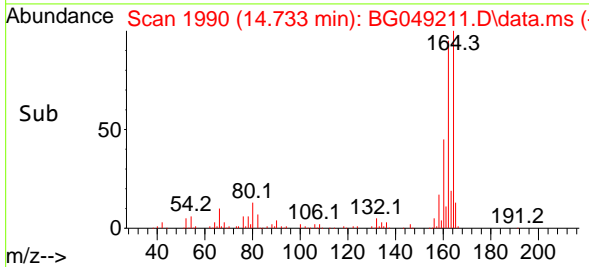
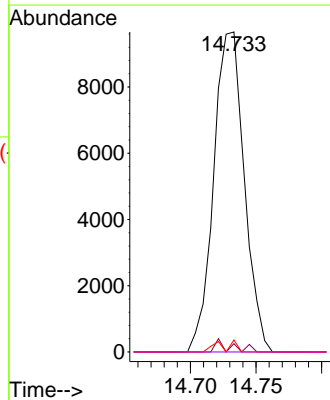
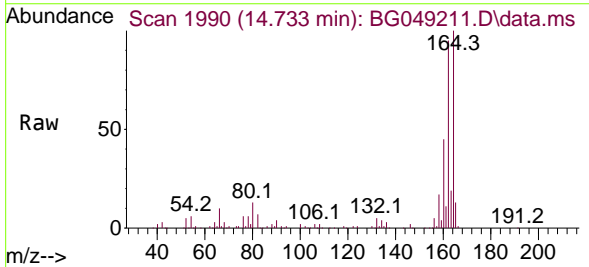
Instrument :  
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Tgt Ion	Resp	Lower	Upper
165	15665		
165	100		
63	2.6	63.3	94.9#
89	3.8	63.4	95.0#

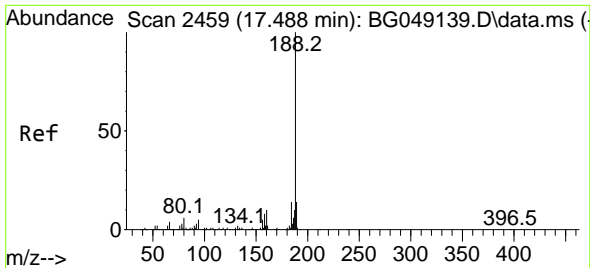


#57  
 2,4-Dinitrotoluene  
 Concen: 5.37 ng  
 RT: 14.733 min Scan# 1990  
 Delta R.T. -0.349 min  
 Lab File: BG049211.D  
 Acq: 7 Jul 2021 22:55

Tgt Ion	Resp	Lower	Upper
165	15665		
165	100		
63	2.6	48.0	72.0#
89	3.8	65.4	98.0#
182	0.0	2.0	3.0#



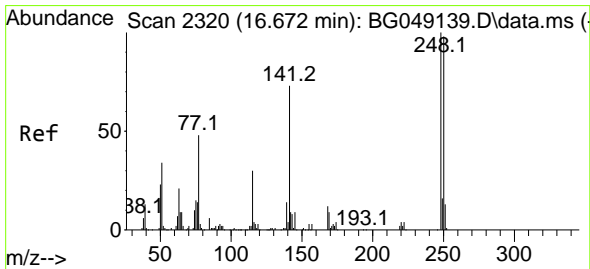
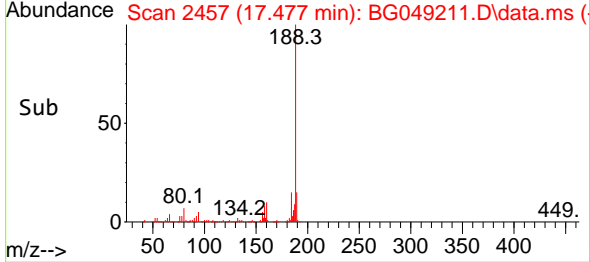
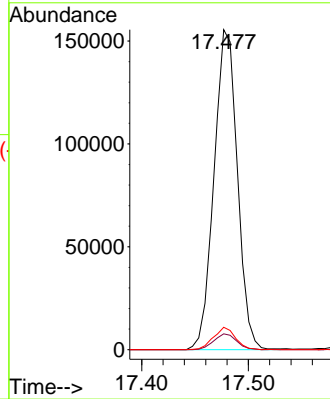
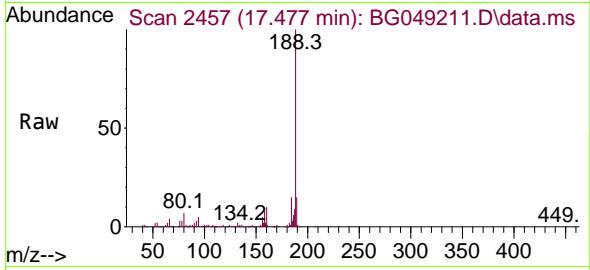




#64  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.477 min Scan# 2457  
 Delta R.T. -0.003 min  
 Lab File: BG049211.D  
 Acq: 7 Jul 2021 22:55

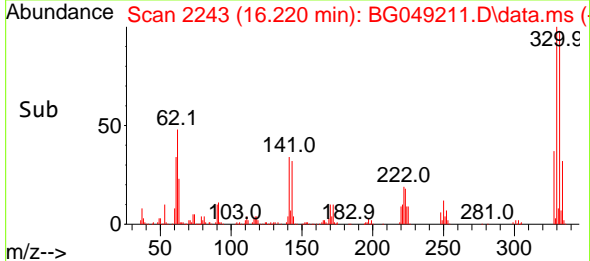
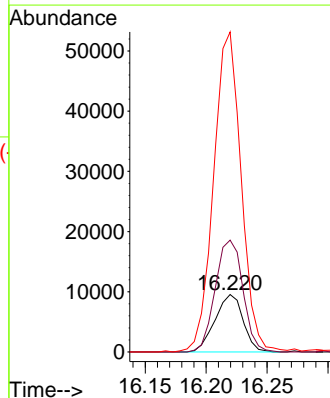
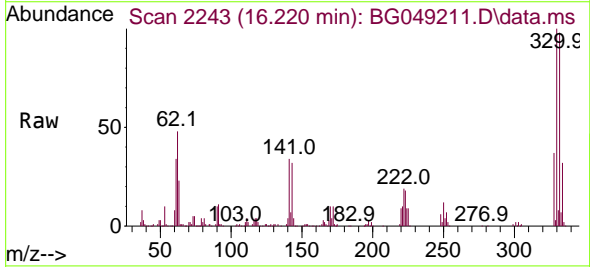
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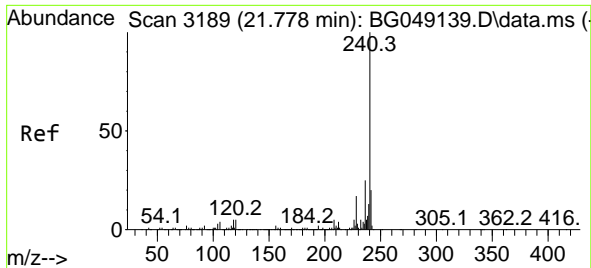
Tgt Ion:188 Resp: 236390  
 Ion Ratio Lower Upper  
 188 100  
 94 4.9 5.4 8.0#  
 80 7.0 3.7 5.5#



#67  
 4-Bromophenyl-phenylether  
 Concen: 4.78 ng  
 RT: 16.220 min Scan# 2243  
 Delta R.T. -0.443 min  
 Lab File: BG049211.D  
 Acq: 7 Jul 2021 22:55

Tgt Ion:248 Resp: 15245  
 Ion Ratio Lower Upper  
 248 100  
 250 194.5 76.1 114.1#  
 141 556.6 65.4 98.2#



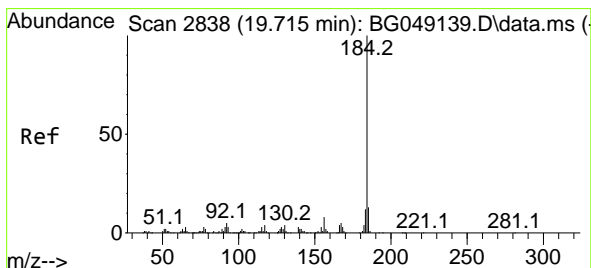
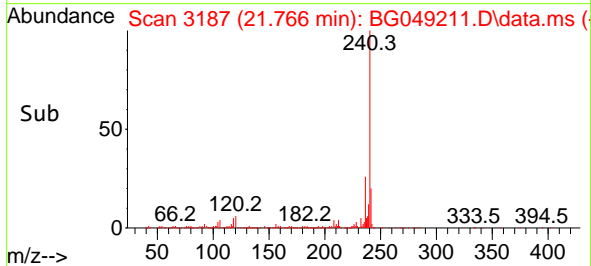
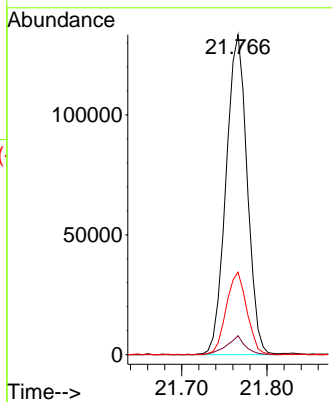
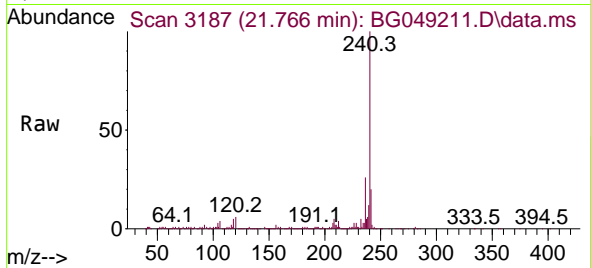


#76  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 21.766 min Scan# 3187  
 Delta R.T. 0.003 min  
 Lab File: BG049211.D  
 Acq: 7 Jul 2021 22:55

Instrument :  
 BNA\_G  
 ClientSampled :  
 SOIL-PILE-7

Tgt Ion:240 Resp: 229760

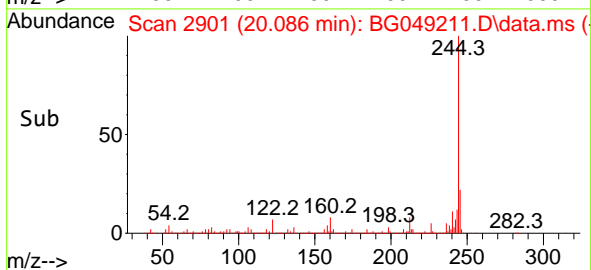
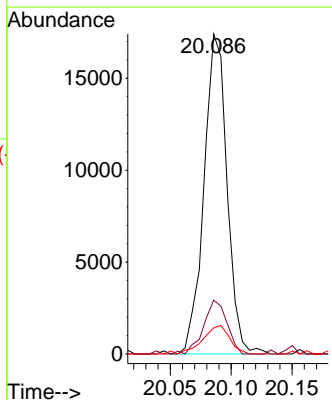
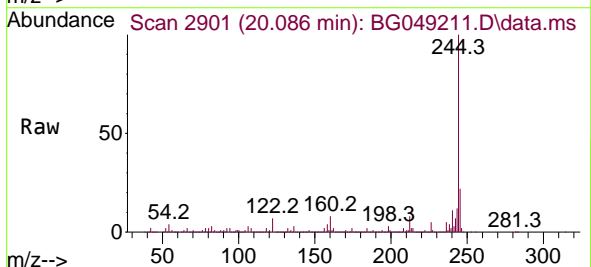
Ion	Ratio	Lower	Upper
240	100		
120	5.9	4.2	6.2
236	25.8	21.8	32.6

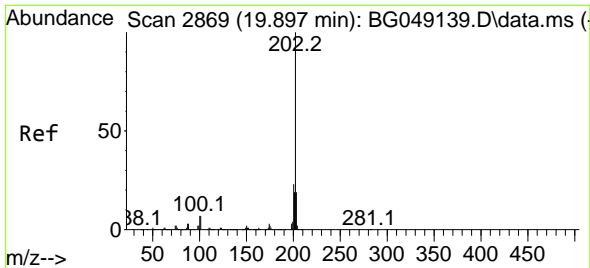


#77  
 Benzidine  
 Concen: 4.65 ng  
 RT: 20.086 min Scan# 2901  
 Delta R.T. 0.379 min  
 Lab File: BG049211.D  
 Acq: 7 Jul 2021 22:55

Tgt Ion:184 Resp: 22968

Ion	Ratio	Lower	Upper
184	100		
185	16.8	10.7	16.1#
183	8.2	9.4	14.0#

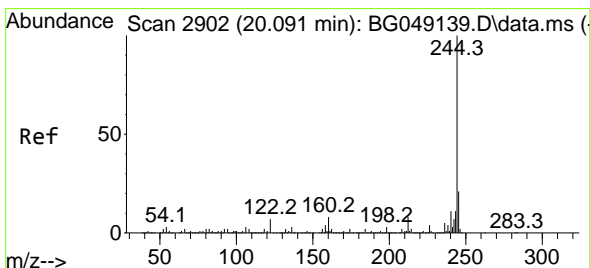
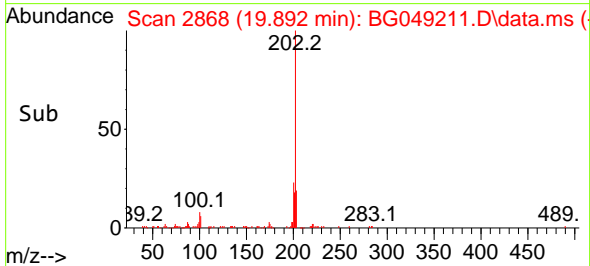
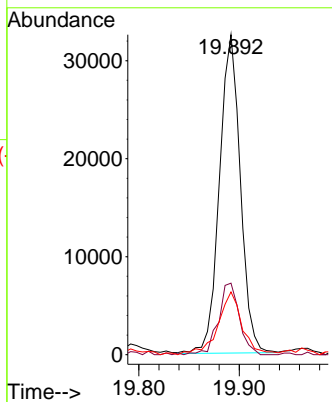
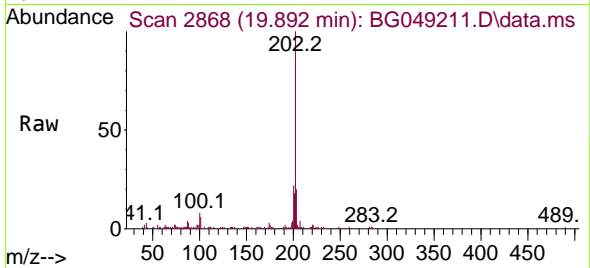




#78  
 Pyrene  
 Concen: 2.75 ng  
 RT: 19.892 min Scan# 2868  
 Delta R.T. 0.003 min  
 Lab File: BG049211.D  
 Acq: 7 Jul 2021 22:55

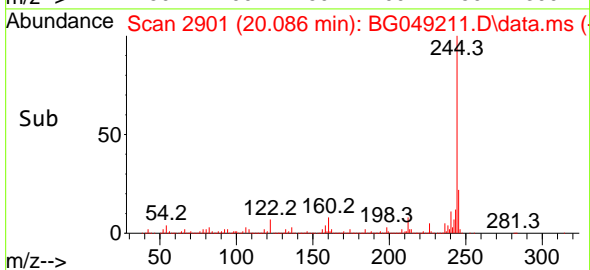
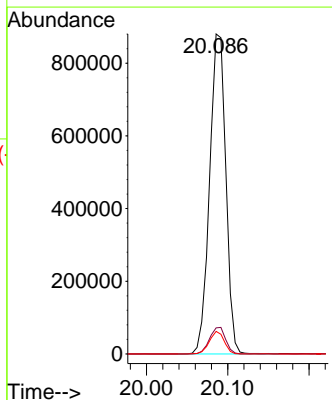
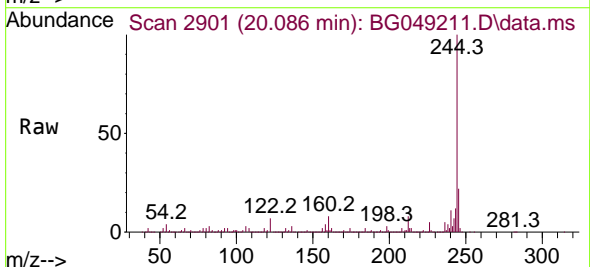
**Instrument :**  
 BNA\_G  
**ClientSampled :**  
 SOIL-PILE-7

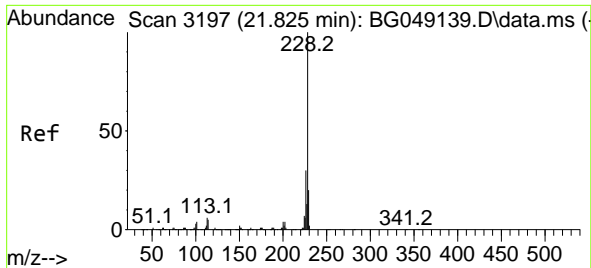
Tgt Ion	Resp	Lower	Upper
202	46958		
200	22.4	15.8	23.8
203	19.6	14.6	21.8



#79  
 Terphenyl-d14  
 Concen: 90.00 ng  
 RT: 20.086 min Scan# 2901  
 Delta R.T. 0.003 min  
 Lab File: BG049211.D  
 Acq: 7 Jul 2021 22:55

Tgt Ion	Resp	Lower	Upper
244	1220355		
212	8.1	6.9	10.3
122	7.0	5.0	7.6

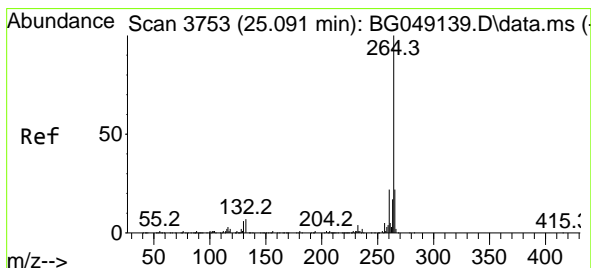
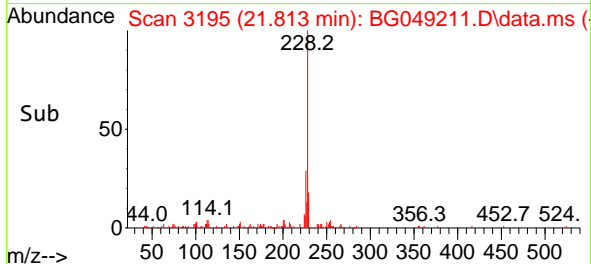
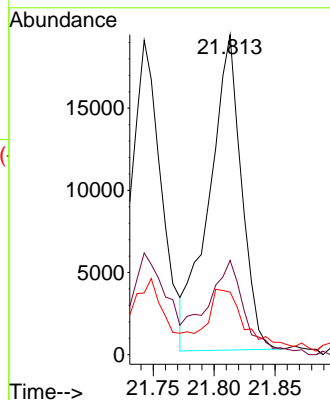
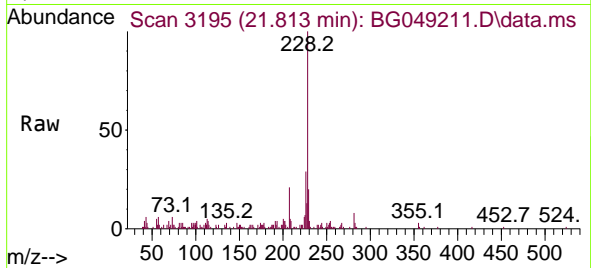




#83  
 Chrysene  
 Concen: 2.16 ng  
 RT: 21.813 min Scan# 3195  
 Delta R.T. 0.003 min  
 Lab File: BG049211.D  
 Acq: 7 Jul 2021 22:55

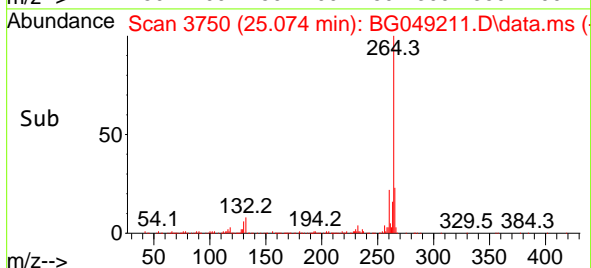
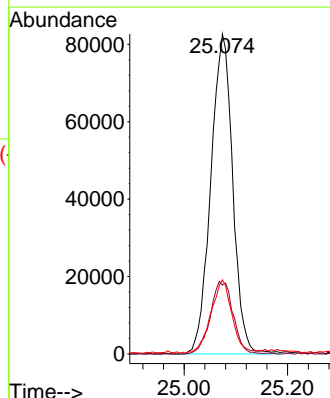
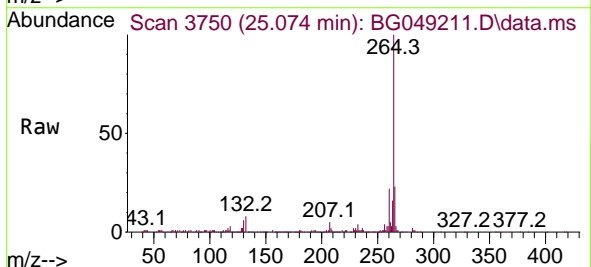
Instrument :  
 BNA\_G  
 ClientSampled :  
 SOIL-PILE-7

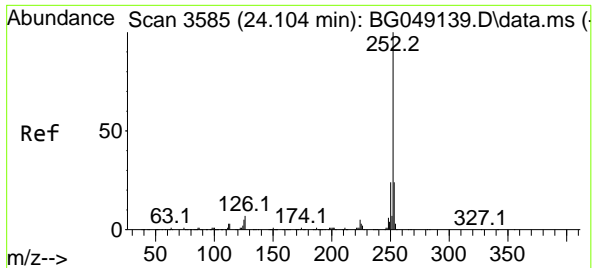
Tgt Ion	Resp	Lower	Upper
228	100		
226	29.4	23.1	34.7
229	19.6	15.3	22.9



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 25.074 min Scan# 3750  
 Delta R.T. 0.009 min  
 Lab File: BG049211.D  
 Acq: 7 Jul 2021 22:55

Tgt Ion	Resp	Lower	Upper
264	100		
260	21.6	19.4	29.2
265	23.1	16.9	25.3





#89  
 Benzo(k)fluoranthene  
 Concen: 2.02 ng  
 RT: 24.010 min Scan# 3569  
 Delta R.T. -0.079 min  
 Lab File: BG049211.D  
 Acq: 7 Jul 2021 22:55

**Instrument :**  
 BNA\_G  
**ClientSampled :**  
 SOIL-PILE-7

Tgt Ion:252 Resp: 33736

Ion	Ratio	Lower	Upper
252	100		
253	17.1	18.0	27.0#
125	5.3	3.1	4.7#

