

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082321\
 Data File : BG049937.D
 Acq On : 23 Aug 2021 17:30
 Operator : CG/JU
 Sample : M3505-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DRILL-CUTTING

Quant Time: Aug 24 02:26:54 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 23 16:13:24 2021
 Response via : Initial Calibration

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

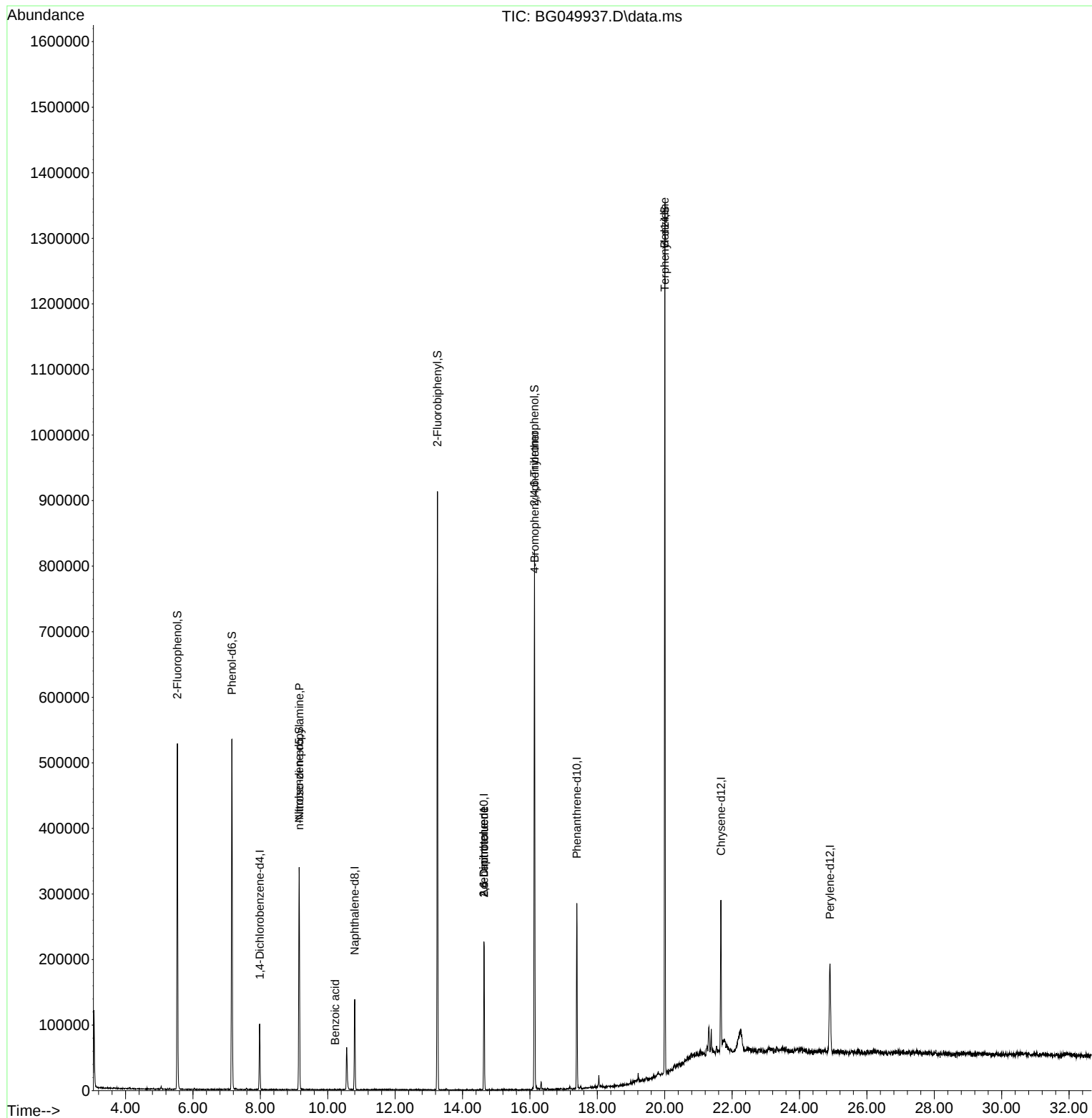
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.980	152	27951	20.000	ng	0.00
21) Naphthalene-d8	10.800	136	117395	20.000	ng	#-0.01
39) Acenaphthene-d10	14.636	164	80960	20.000	ng	-0.01
64) Phenanthrene-d10	17.391	188	170888	20.000	ng	#-0.01
76) Chrysene-d12	21.668	240	140265	20.000	ng	-0.01
86) Perylene-d12	24.905	264	142798	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.537	112	216701	138.979	ng	0.00
7) Phenol-d6	7.152	99	299345	126.826	ng	0.00
23) Nitrobenzene-d5	9.149	82	209616	79.013	ng	-0.01
42) 2,4,6-Tribromophenol	16.134	330	163179	137.125	ng	-0.01
45) 2-Fluorobiphenyl	13.256	172	444775	79.938	ng	0.00
79) Terphenyl-d14	20.005	244	618288	80.058	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.155	70	30439	19.272	ng	# 68
32) Benzoic acid	10.224	122	76	5.008	ng	# 1
51) 2,6-Dinitrotoluene	14.636	165	10593	7.876	ng	# 10
57) 2,4-Dinitrotoluene	14.636	165	10593	5.608	ng	# 15
67) 4-Bromophenyl-phenylether	16.140	248	10506	5.220	ng	# 1
77) Benzidine	19.999	184	11939	3.322	ng	97

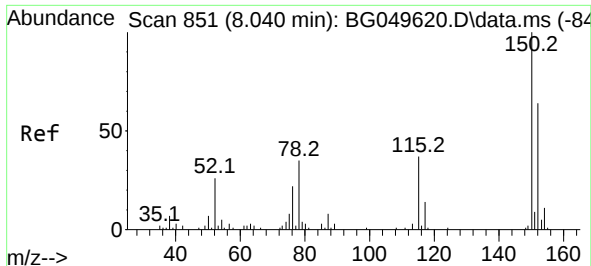
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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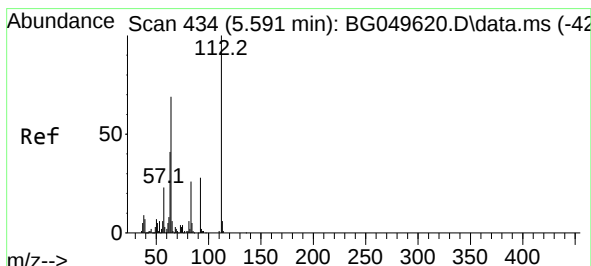
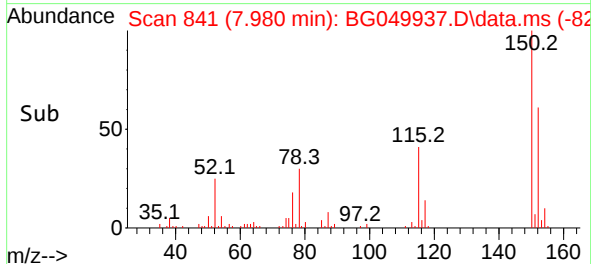
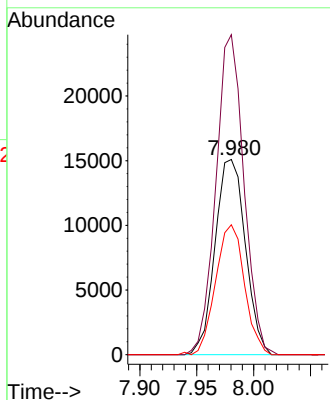
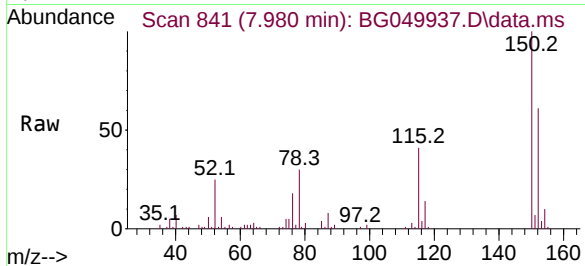




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.980 min Scan# 841
Delta R.T. -0.006 min
Lab File: BG049937.D
Acq: 23 Aug 2021 17:30

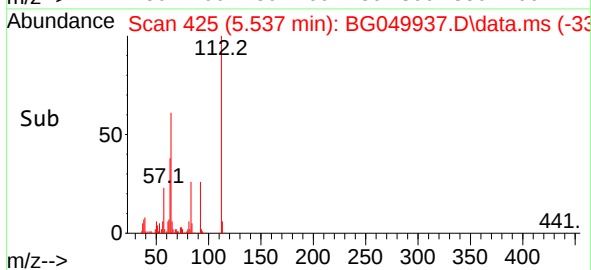
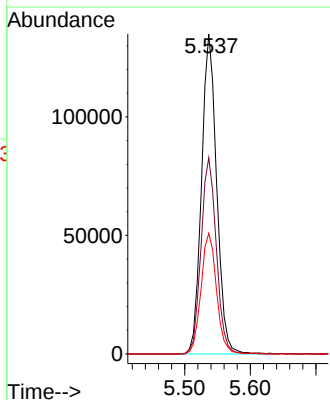
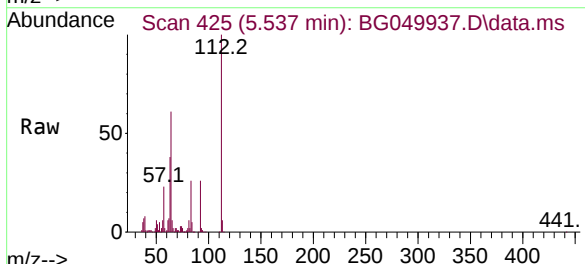
Instrument :
BNA_G
ClientSampleId :
DRILL-CUTTING

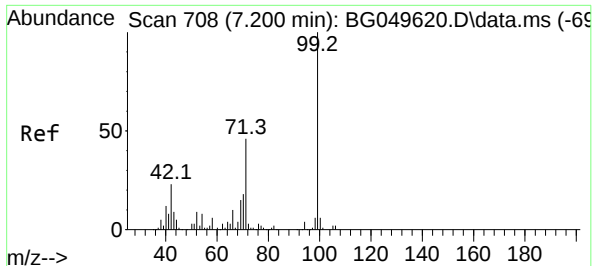
Tgt Ion:152 Resp: 27951
Ion Ratio Lower Upper
152 100
150 163.9 119.4 179.0
115 66.5 60.2 90.4



#5
2-Fluorophenol
Concen: 138.979 ng
RT: 5.537 min Scan# 425
Delta R.T. 0.000 min
Lab File: BG049937.D
Acq: 23 Aug 2021 17:30

Tgt Ion:112 Resp: 216701
Ion Ratio Lower Upper
112 100
64 61.3 46.7 70.1
63 37.7 35.3 52.9

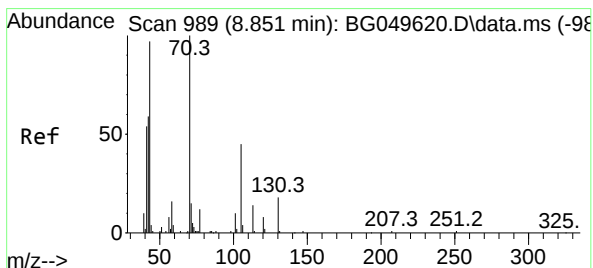
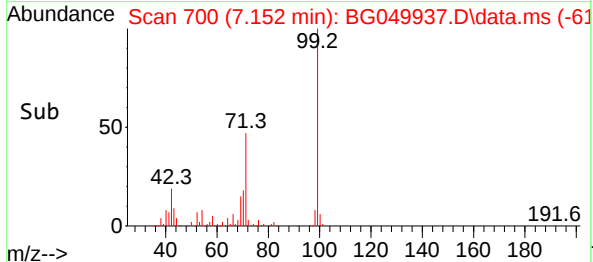
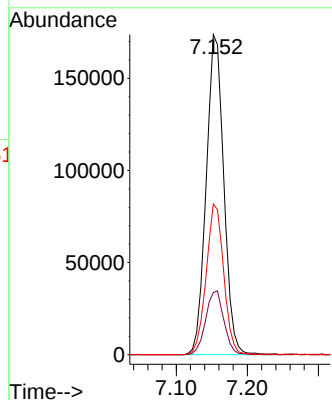
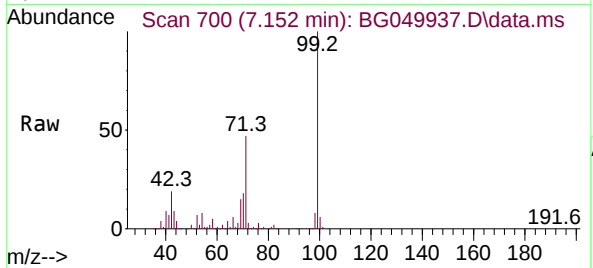




#7
Phenol-d6
Concen: 126.826 ng
RT: 7.152 min Scan# 700
Delta R.T. -0.006 min
Lab File: BG049937.D
Acq: 23 Aug 2021 17:30

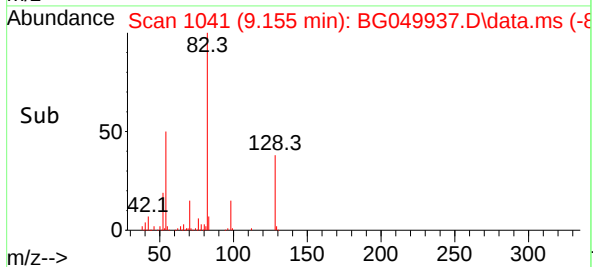
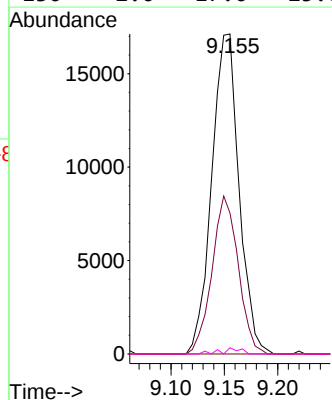
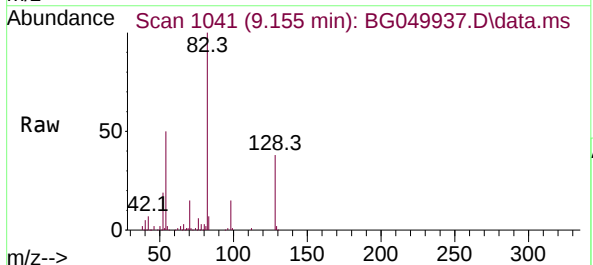
Instrument :
BNA_G
ClientSampleId :
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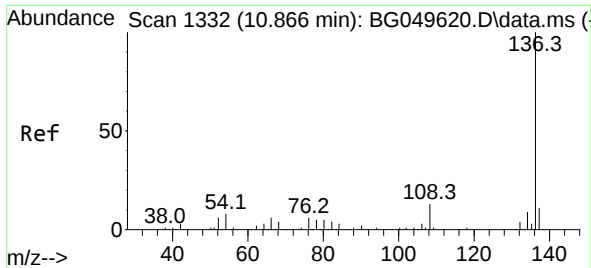
Tgt Ion: 99 Resp: 299345
Ion Ratio Lower Upper
99 100
42 19.5 20.5 30.7#
71 47.1 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 19.272 ng
RT: 9.155 min Scan# 1041
Delta R.T. 0.359 min
Lab File: BG049937.D
Acq: 23 Aug 2021 17:30

Tgt Ion: 70 Resp: 30439
Ion Ratio Lower Upper
70 100
42 44.0 54.5 81.7#
101 0.0 9.0 13.6#
130 2.0 17.0 25.6#

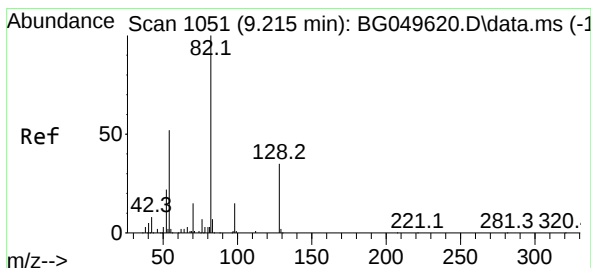
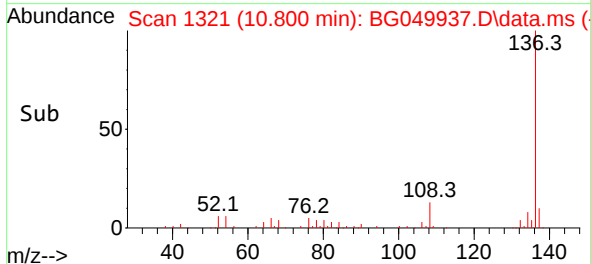
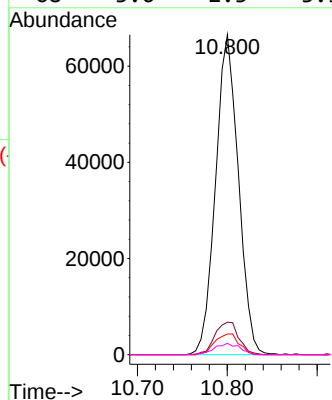
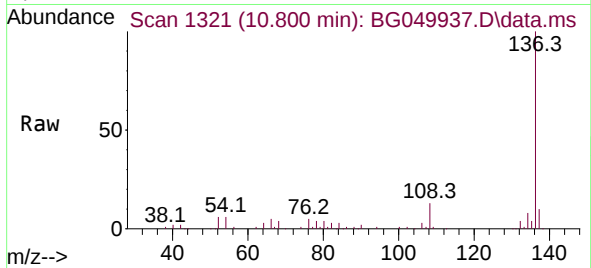




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.800 min Scan# 1321
Delta R.T. -0.011 min
Lab File: BG049937.D
Acq: 23 Aug 2021 17:30

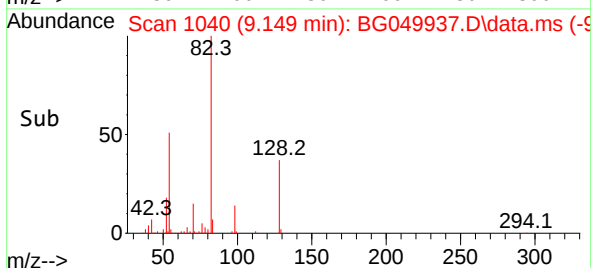
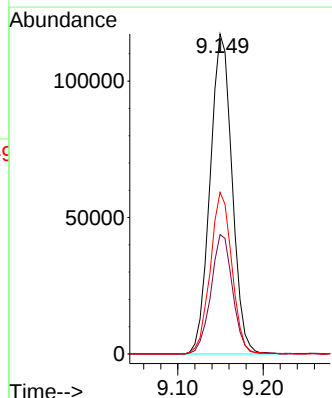
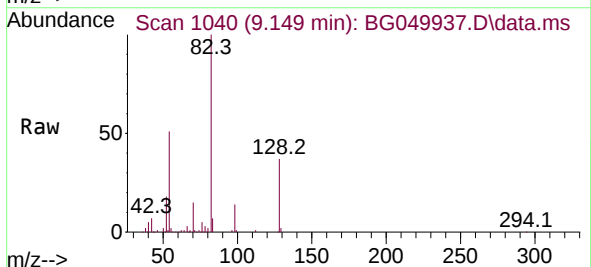
Instrument :
BNA_G
ClientSampleId :
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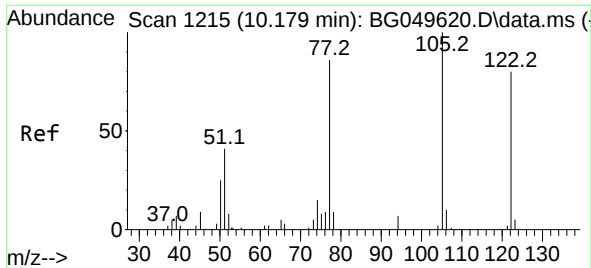
Tgt Ion:136	Resp:	117395
Ion Ratio	Lower	Upper
136	100	
137	10.1	8.2 12.2
54	6.5	5.5 8.3
68	3.6	2.3 3.5#



#23
Nitrobenzene-d5
Concen: 79.013 ng
RT: 9.149 min Scan# 1040
Delta R.T. -0.011 min
Lab File: BG049937.D
Acq: 23 Aug 2021 17:30

Tgt Ion: 82	Resp:	209616
Ion Ratio	Lower	Upper
82	100	
128	37.3	29.8 44.6
54	50.5	45.8 68.8

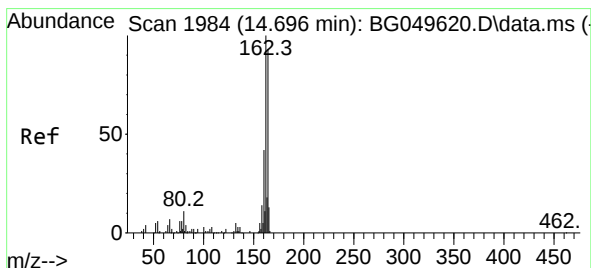
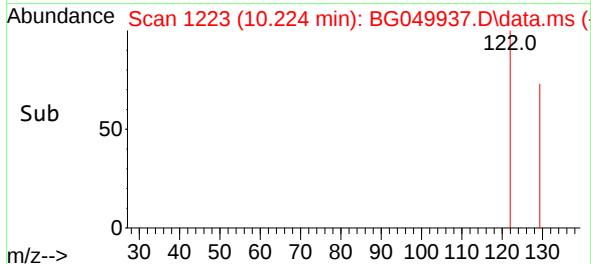
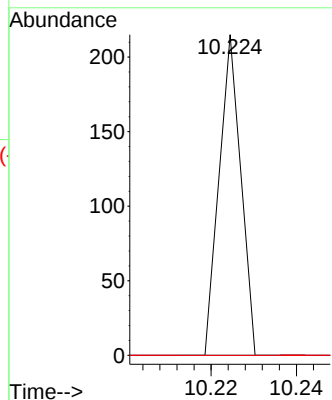
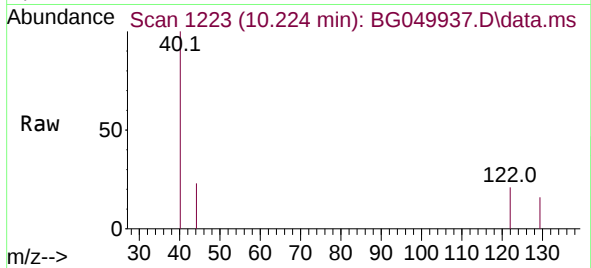




#32
Benzoic acid
Concen: 5.008 ng
RT: 10.224 min Scan# 1223
Delta R.T. 0.088 min
Lab File: BG049937.D
Acq: 23 Aug 2021 17:30

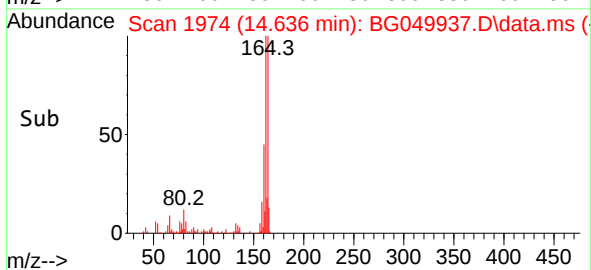
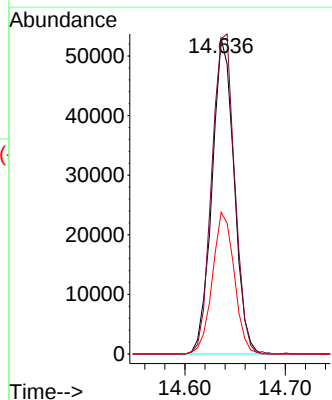
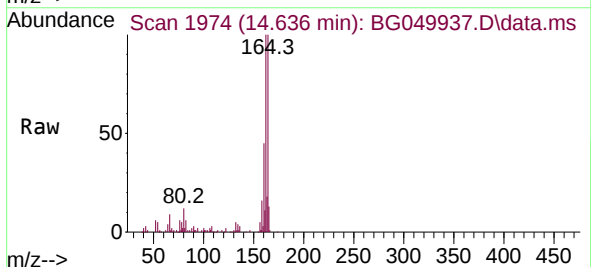
Instrument :
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ClientSampleId :
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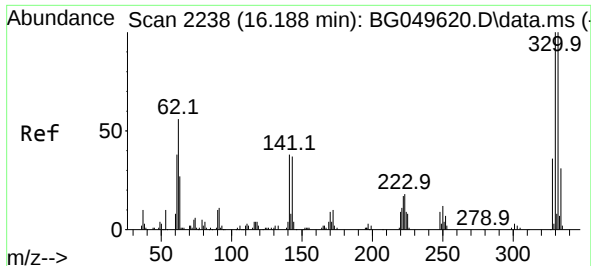
Tgt Ion:122 Resp: 76
Ion Ratio Lower Upper
122 100
105 0.0 92.3 132.3#
77 0.0 66.5 106.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.636 min Scan# 1974
Delta R.T. -0.011 min
Lab File: BG049937.D
Acq: 23 Aug 2021 17:30

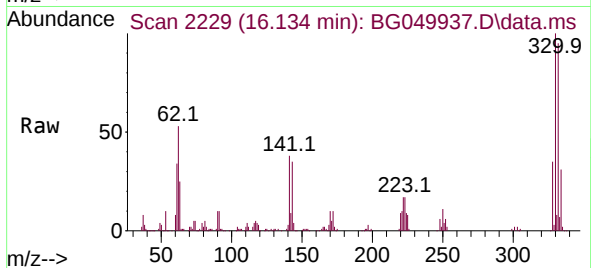
Tgt Ion:164 Resp: 80960
Ion Ratio Lower Upper
164 100
162 100.0 81.4 122.0
160 45.0 34.9 52.3



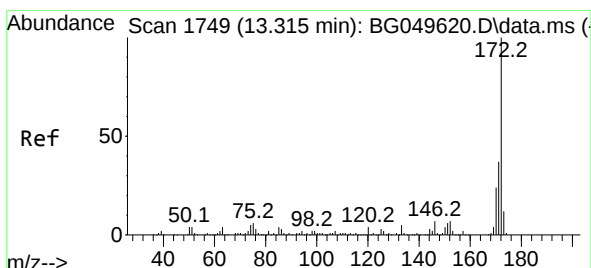
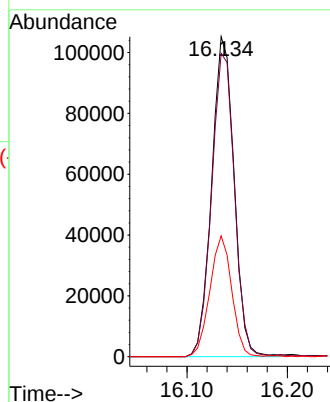
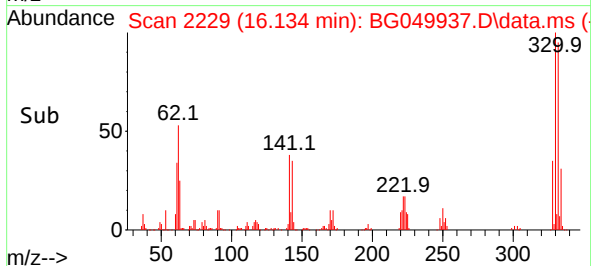


#42
2,4,6-Tribromophenol
Concen: 137.125 ng
RT: 16.134 min Scan# 2229
Delta R.T. -0.011 min
Lab File: BG049937.D
Acq: 23 Aug 2021 17:30

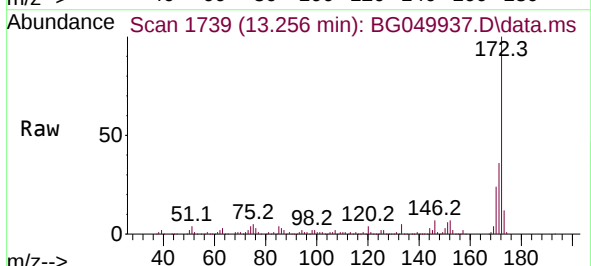
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ClientSampleId :
DRILL-CUTTING



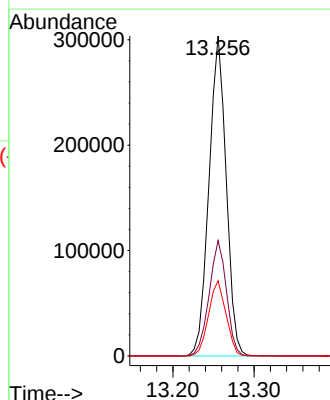
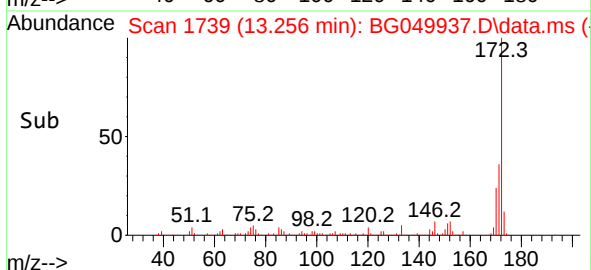
Tgt Ion:330 Resp: 163179
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 37.1 35.6 53.4

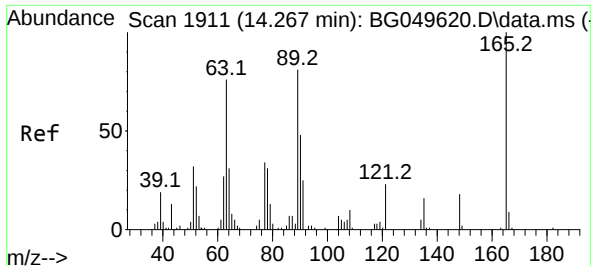


#45
2-Fluorobiphenyl
Concen: 79.938 ng
RT: 13.256 min Scan# 1739
Delta R.T. -0.006 min
Lab File: BG049937.D
Acq: 23 Aug 2021 17:30



Tgt Ion:172 Resp: 444775
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 23.5 18.6 27.8

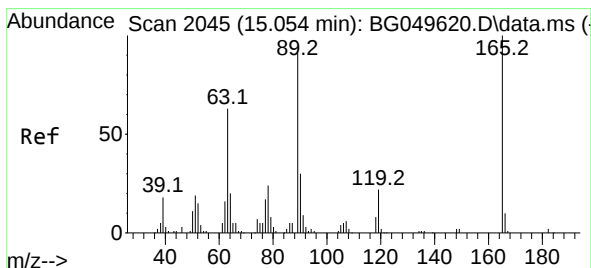
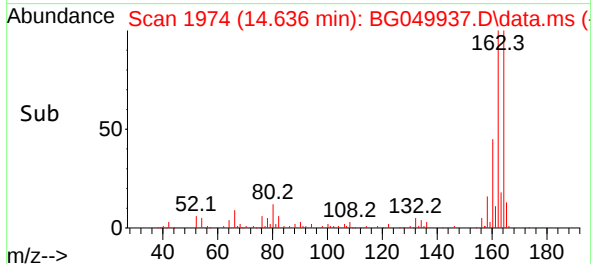
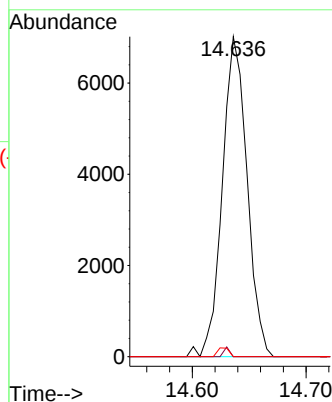
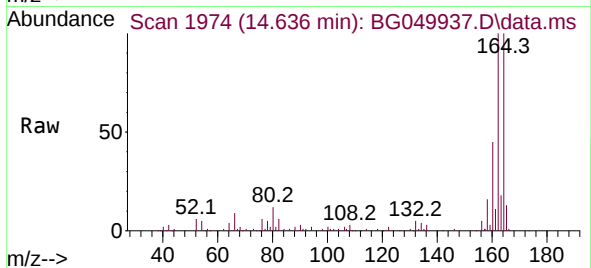




#51
2,6-Dinitrotoluene
Concen: 7.876 ng
RT: 14.636 min Scan# 1974
Delta R.T. 0.412 min
Lab File: BG049937.D
Acq: 23 Aug 2021 17:30

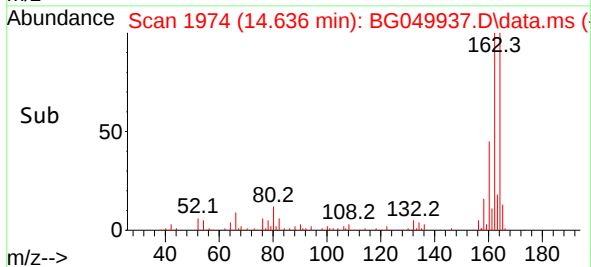
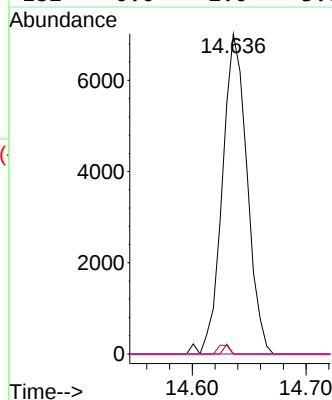
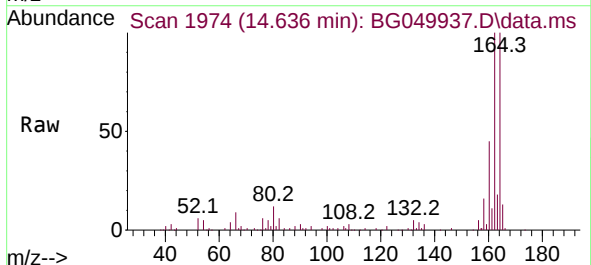
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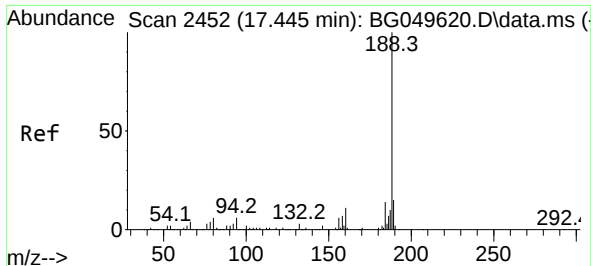
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	63.3	94.9#
89	0.0	63.4	95.0#



#57
2,4-Dinitrotoluene
Concen: 5.608 ng
RT: 14.636 min Scan# 1974
Delta R.T. -0.381 min
Lab File: BG049937.D
Acq: 23 Aug 2021 17:30

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

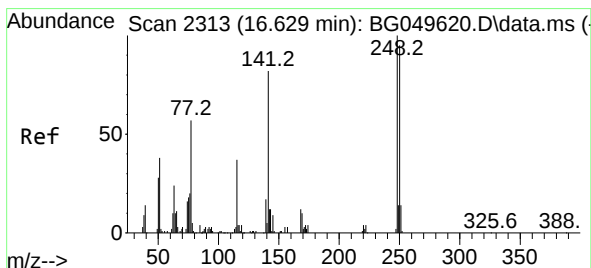
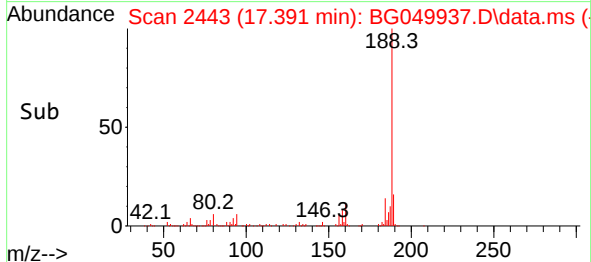
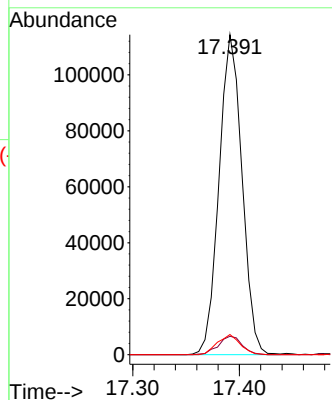
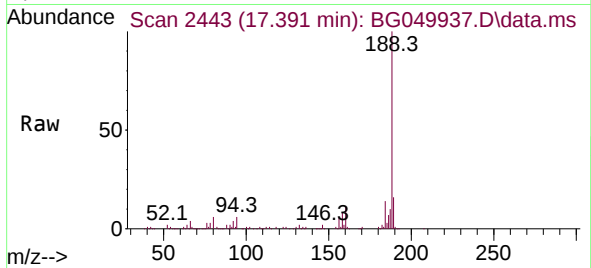




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.391 min Scan# 2443
Delta R.T. -0.011 min
Lab File: BG049937.D
Acq: 23 Aug 2021 17:30

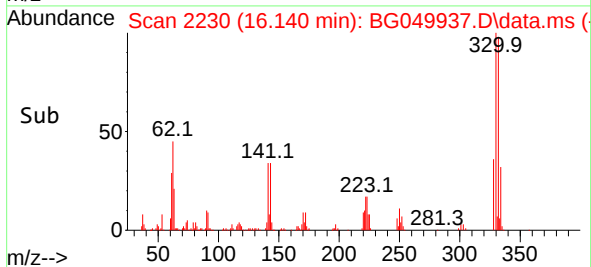
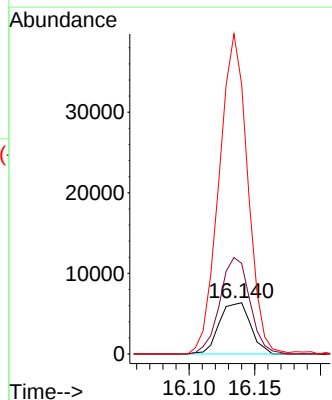
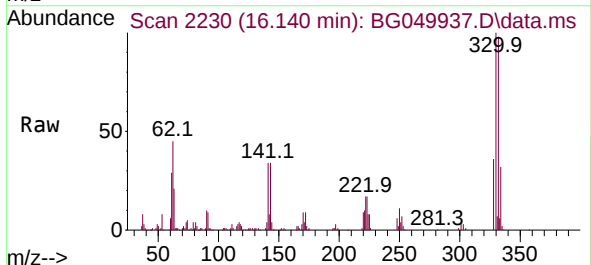
Instrument :
BNA_G
ClientSampleId :
DRILL-CUTTING

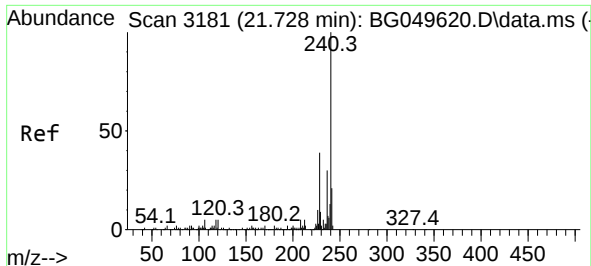
Tgt Ion:188 Resp: 170888
Ion Ratio Lower Upper
188 100
94 5.7 5.4 8.0
80 6.3 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 5.220 ng
RT: 16.140 min Scan# 2230
Delta R.T. -0.440 min
Lab File: BG049937.D
Acq: 23 Aug 2021 17:30

Tgt Ion:248 Resp: 10506
Ion Ratio Lower Upper
248 100
250 176.8 76.1 114.1#
141 526.5 65.4 98.2#

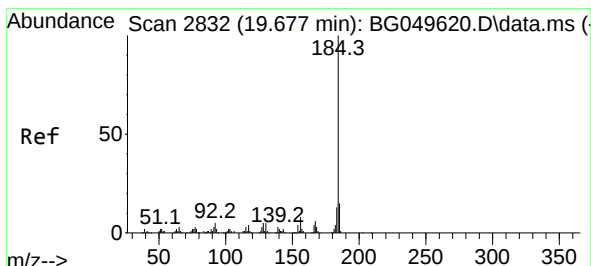
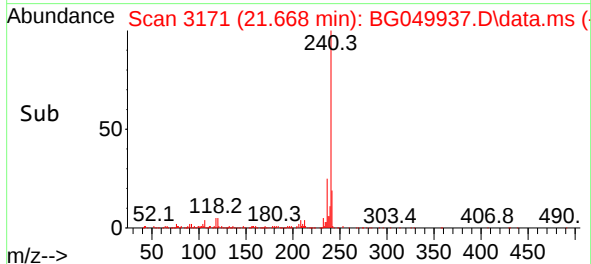
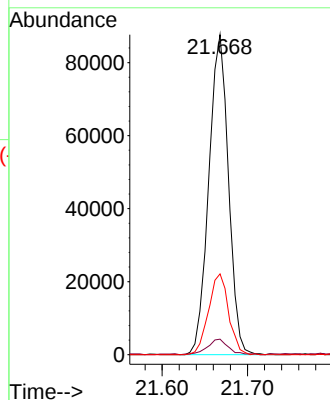
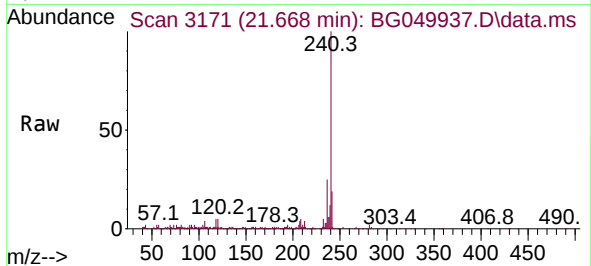




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.668 min Scan# 3171
Delta R.T. -0.011 min
Lab File: BG049937.D
Acq: 23 Aug 2021 17:30

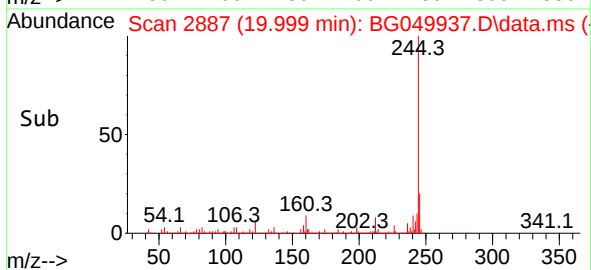
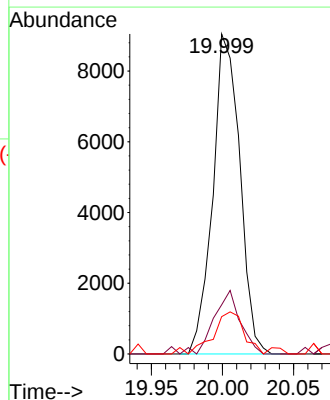
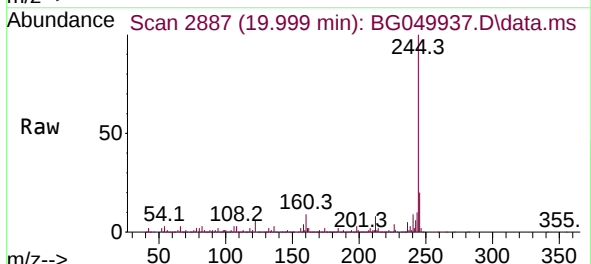
Instrument :
BNA_G
ClientSampleId :
DRILL-CUTTING

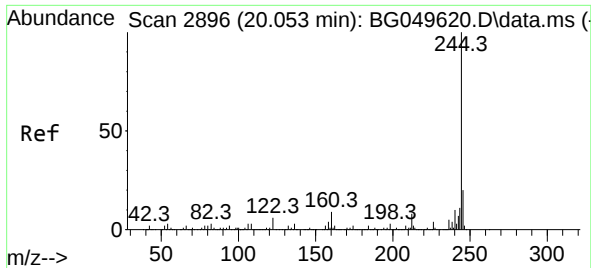
Tgt Ion:240 Resp: 140265
Ion Ratio Lower Upper
240 100
120 4.9 4.2 6.2
236 25.2 21.8 32.6



#77
Benzidine
Concen: 3.322 ng
RT: 19.999 min Scan# 2887
Delta R.T. 0.365 min
Lab File: BG049937.D
Acq: 23 Aug 2021 17:30

Tgt Ion:184 Resp: 11939
Ion Ratio Lower Upper
184 100
185 15.3 10.7 16.1
183 11.7 9.4 14.0

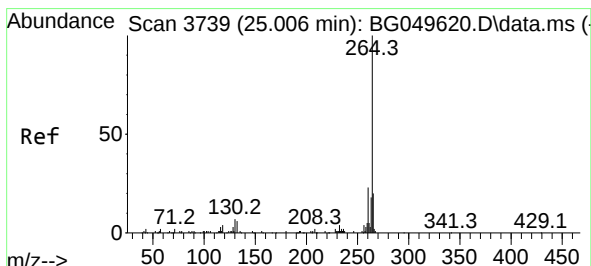
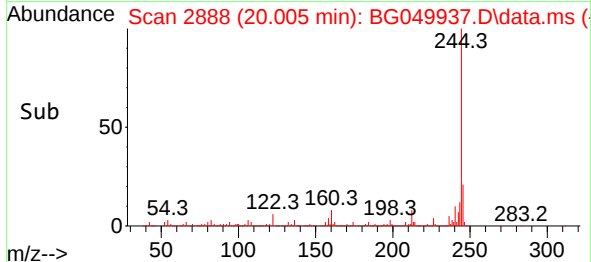
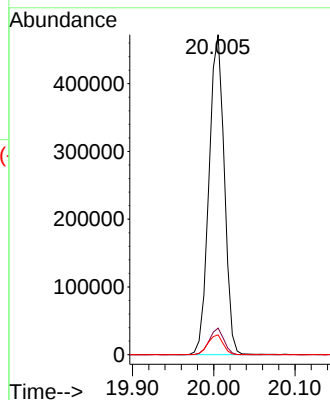
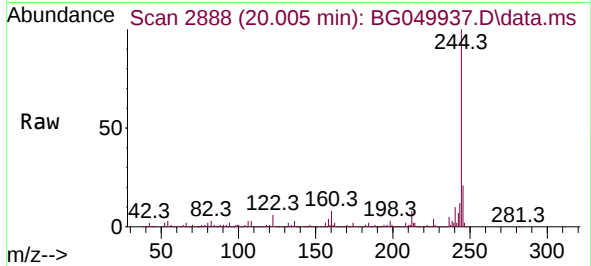




#79
Terphenyl-d14
Concen: 80.058 ng
RT: 20.005 min Scan# 2888
Delta R.T. -0.006 min
Lab File: BG049937.D
Acq: 23 Aug 2021 17:30

Instrument :
BNA_G
ClientSampleId :
DRILL-CUTTING

Tgt Ion:244	Resp:	618288
Ion Ratio	Lower	Upper
244	100	
212	8.3	6.9 10.3
122	6.2	5.0 7.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.905 min Scan# 3722
Delta R.T. -0.017 min
Lab File: BG049937.D
Acq: 23 Aug 2021 17:30

Tgt Ion:264	Resp:	142798
Ion Ratio	Lower	Upper
264	100	
260	21.9	19.4 29.2
265	20.9	16.9 25.3

