

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041522\
 Data File : BG053173.D
 Acq On : 15 Apr 2022 20:36
 Operator : CG/JU
 Sample : N2394-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CS-3-SOIL-PILE

Quant Time: Apr 18 03:18:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 15:31:24 2022
 Response via : Initial Calibration

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

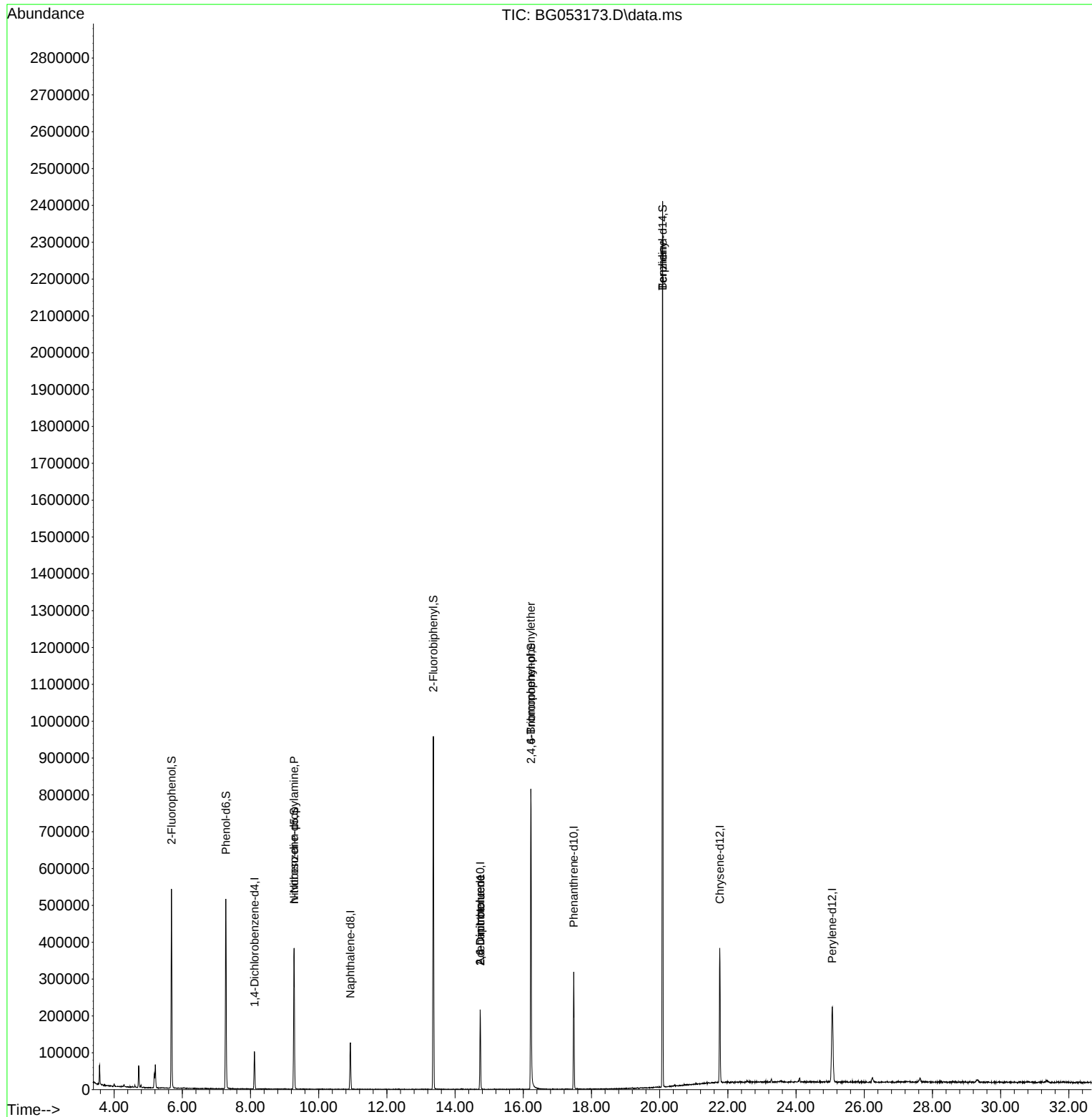
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.117	152	29080	20.000	ng	0.00
21) Naphthalene-d8	10.931	136	107222	20.000	ng	0.00
39) Acenaphthene-d10	14.737	164	78776	20.000	ng	-0.01
64) Phenanthrene-d10	17.480	188	205839	20.000	ng	-0.01
76) Chrysene-d12	21.763	240	239845	20.000	ng	-0.01
86) Perylene-d12	25.058	264	239410	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.685	112	214208	126.269	ng	0.00
7) Phenol-d6	7.277	99	286745	109.609	ng	0.00
23) Nitrobenzene-d5	9.280	82	241271	91.366	ng	0.00
42) 2,4,6-Tribromophenol	16.229	330	179674	143.361	ng	0.00
45) 2-Fluorobiphenyl	13.363	172	510900	89.429	ng	0.00
79) Terphenyl-d14	20.089	244	1261271	88.814	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.280	70	33984	17.744	ng	# 78
51) 2,6-Dinitrotoluene	14.737	165	10139	7.713	ng	# 28
57) 2,4-Dinitrotoluene	14.737	165	10139	5.418	ng	# 26
67) 4-Bromophenyl-phenylether	16.223	248	11672	4.425	ng	# 1
77) Benzidine	20.089	184	21956	3.208	ng	# 92

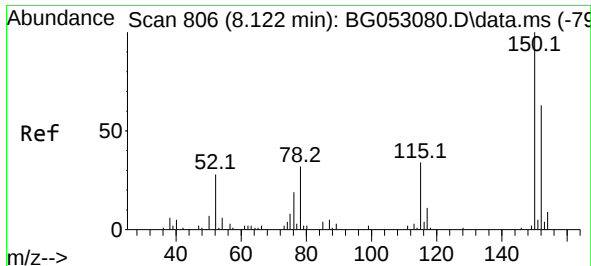
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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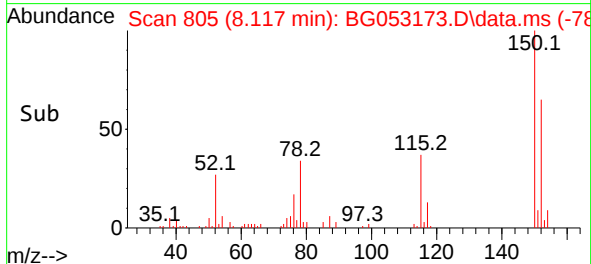
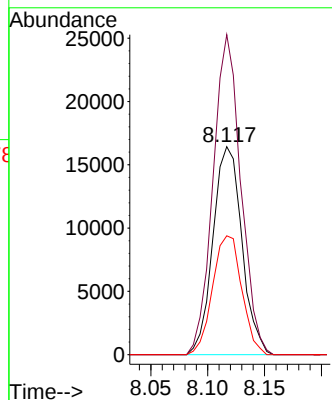
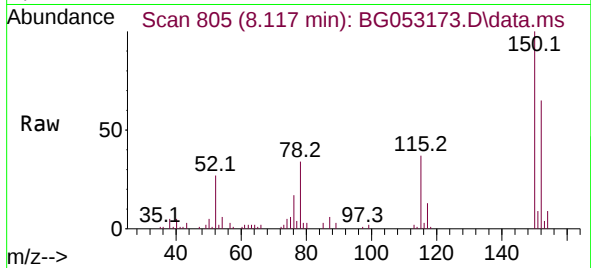




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.117 min Scan# 806
Delta R.T. -0.005 min
Lab File: BG053173.D
Acq: 15 Apr 2022 20:36

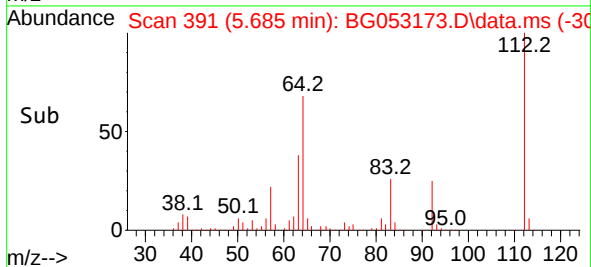
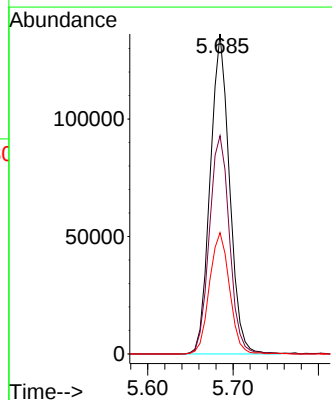
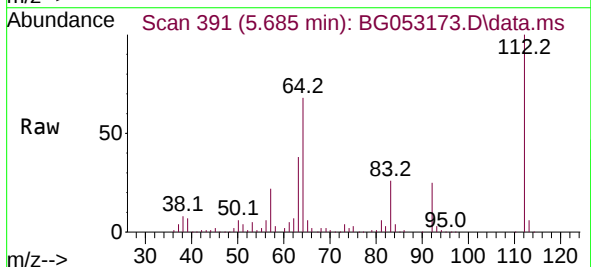
Instrument :
BNA_G
ClientSampleId :
CS-3-SOIL-PILE

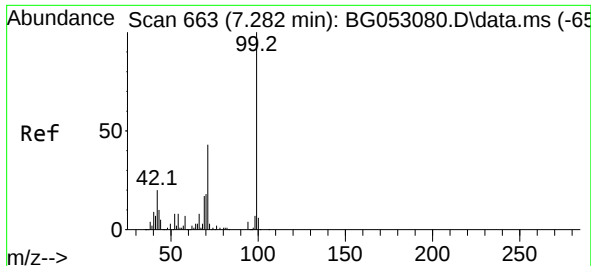
Tgt Ion:152 Resp: 29080
Ion Ratio Lower Upper
152 100
150 153.8 114.6 172.0
115 57.2 45.9 68.9



#5
2-Fluorophenol
Concen: 126.269 ng
RT: 5.685 min Scan# 391
Delta R.T. 0.001 min
Lab File: BG053173.D
Acq: 15 Apr 2022 20:36

Tgt Ion:112 Resp: 214208
Ion Ratio Lower Upper
112 100
64 68.2 48.0 72.0
63 37.9 26.5 39.7

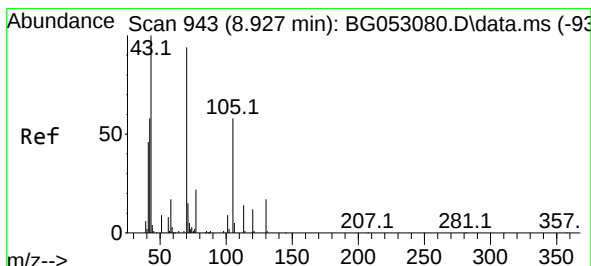
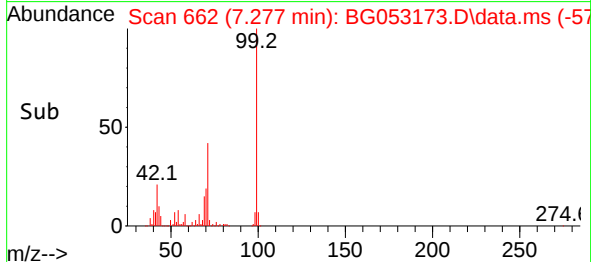
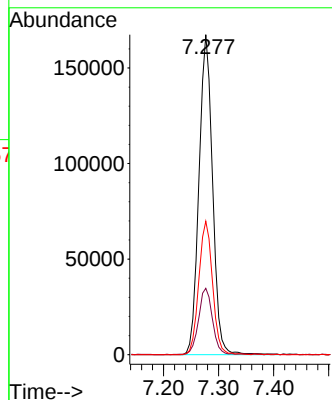
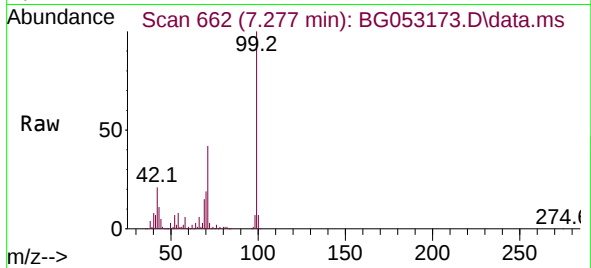




#7
Phenol-d6
Concen: 109.609 ng
RT: 7.277 min Scan# 60
Delta R.T. -0.005 min
Lab File: BG053173.D
Acq: 15 Apr 2022 20:36

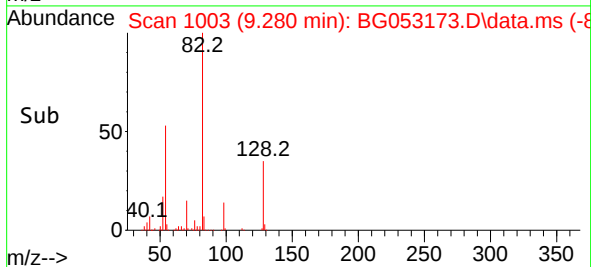
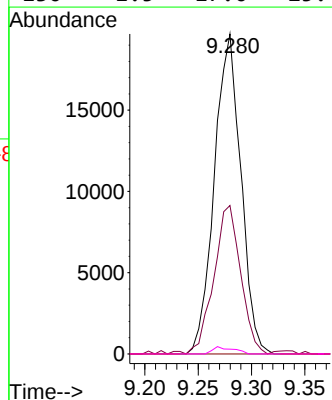
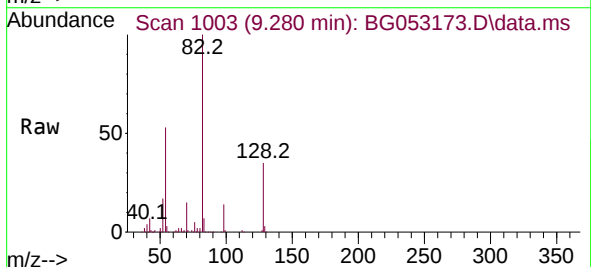
Instrument :
BNA_G
ClientSampleId :
CS-3-SOIL-PILE

Tgt Ion: 99 Resp: 286745
Ion Ratio Lower Upper
99 100
42 20.7 14.7 22.1
71 41.7 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.744 ng
RT: 9.280 min Scan# 1003
Delta R.T. 0.353 min
Lab File: BG053173.D
Acq: 15 Apr 2022 20:36

Tgt Ion: 70 Resp: 33984
Ion Ratio Lower Upper
70 100
42 46.4 46.0 69.0
101 0.0 6.2 9.4#
130 1.5 17.0 25.4#



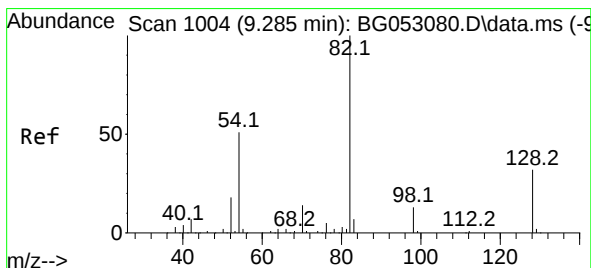
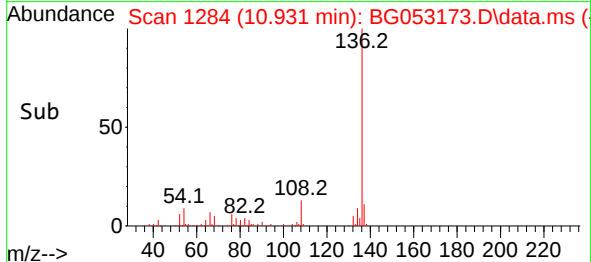
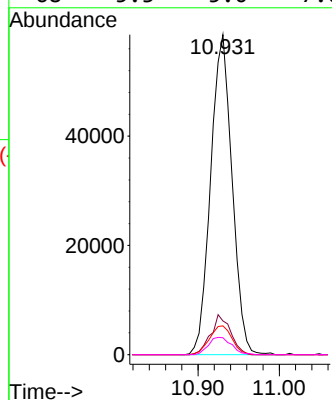
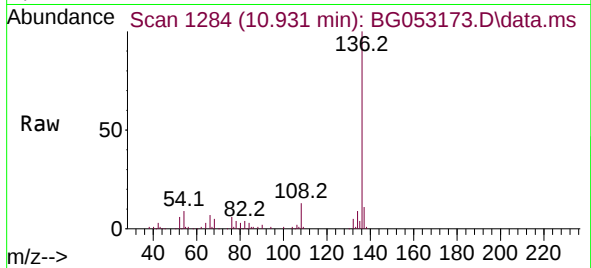


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.931 min Scan# 1003
Delta R.T. -0.005 min
Lab File: BG053173.D
Acq: 15 Apr 2022 20:36

Instrument :
BNA_G
ClientSampleId :
CS-3-SOIL-PILE

Tgt Ion:136 Resp: 107222

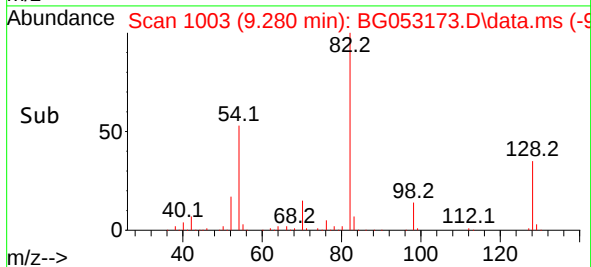
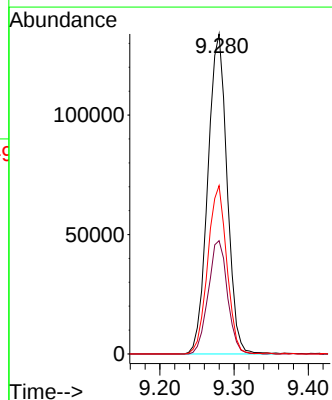
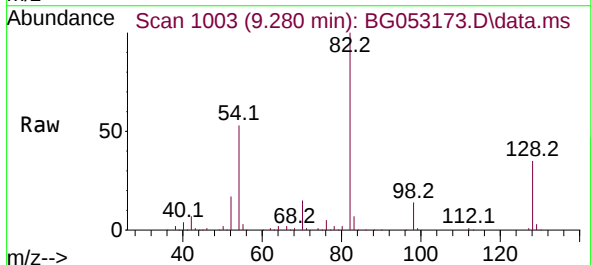
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.4	14.2
54	9.0	6.4	9.6
68	5.3	5.0	7.6

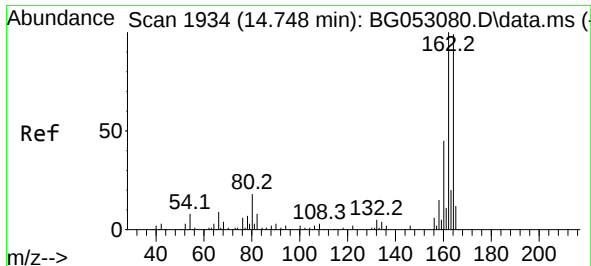


#23
Nitrobenzene-d5
Concen: 91.366 ng
RT: 9.280 min Scan# 1003
Delta R.T. -0.005 min
Lab File: BG053173.D
Acq: 15 Apr 2022 20:36

Tgt Ion: 82 Resp: 241271

Ion	Ratio	Lower	Upper
82	100		
128	35.4	31.3	46.9
54	52.6	37.8	56.8

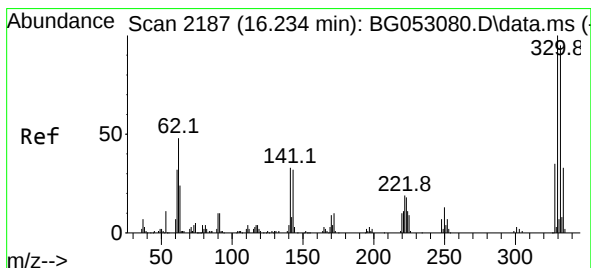
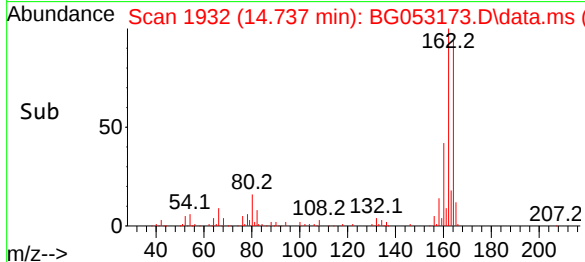
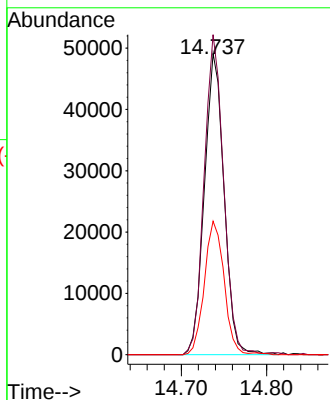
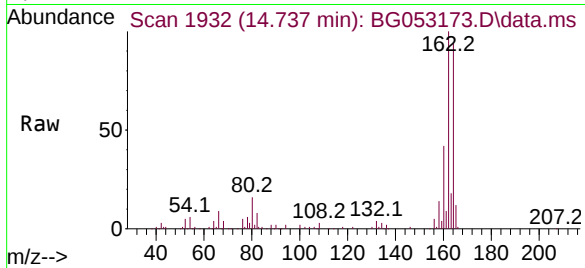




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.737 min Scan# 1932
 Delta R.T. -0.011 min
 Lab File: BG053173.D
 Acq: 15 Apr 2022 20:36

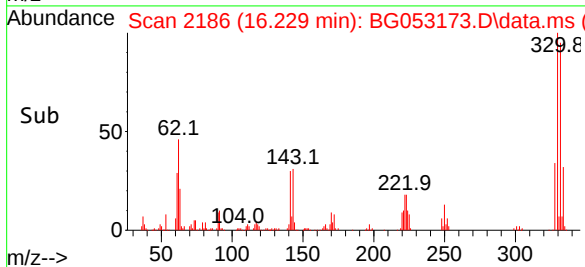
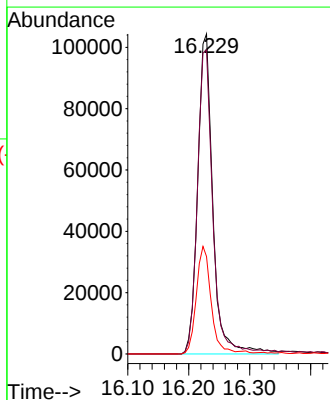
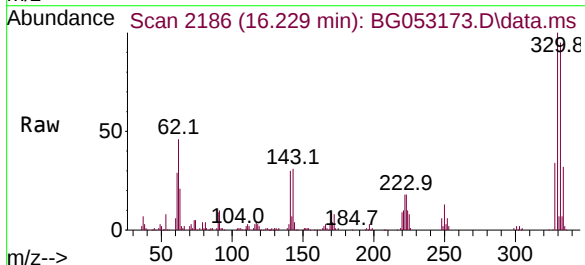
Instrument :
 BNA_G
 ClientSampleId :
 CS-3-SOIL-PILE

Tgt Ion:164 Resp: 78776
 Ion Ratio Lower Upper
 164 100
 162 106.2 80.0 120.0
 160 44.3 38.8 58.2



#42
 2,4,6-Tribromophenol
 Concen: 143.361 ng
 RT: 16.229 min Scan# 2186
 Delta R.T. -0.005 min
 Lab File: BG053173.D
 Acq: 15 Apr 2022 20:36

Tgt Ion:330 Resp: 179674
 Ion Ratio Lower Upper
 330 100
 332 97.7 75.8 113.6
 141 32.7 24.6 36.8

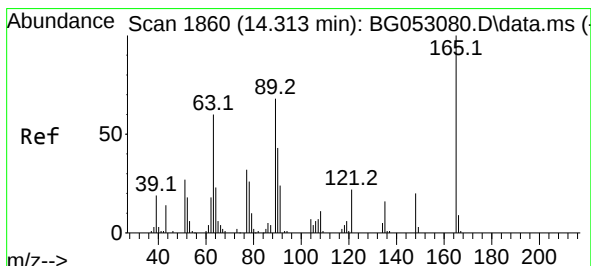
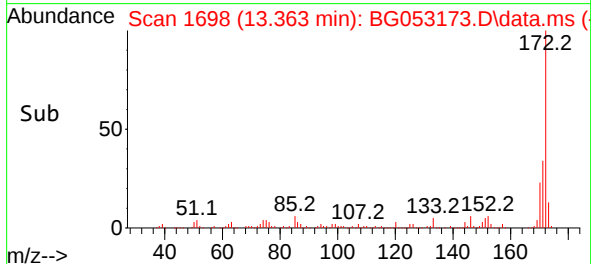
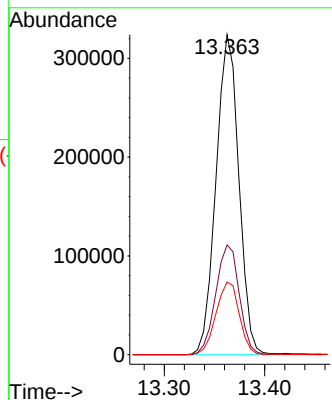
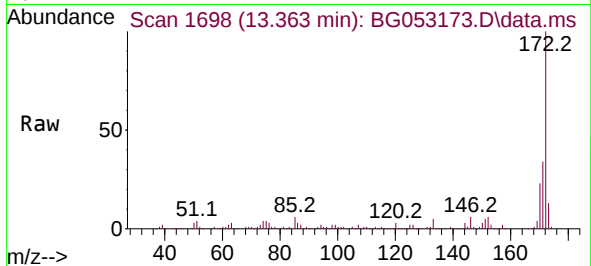




#45
2-Fluorobiphenyl
Concen: 89.429 ng
RT: 13.363 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG053173.D
Acq: 15 Apr 2022 20:36

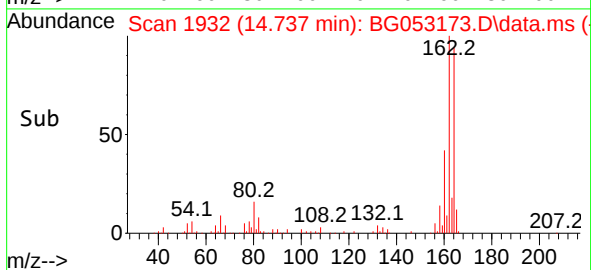
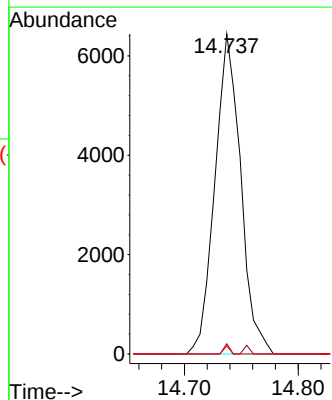
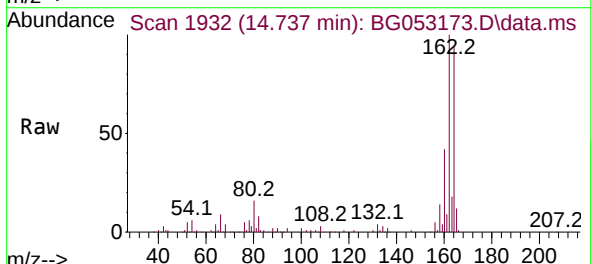
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CS-3-SOIL-PILE

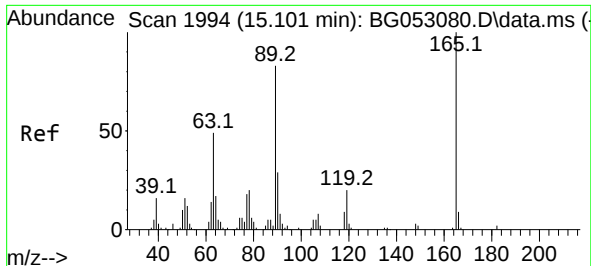
Tgt Ion:172 Resp: 510900
Ion Ratio Lower Upper
172 100
171 34.3 28.3 42.5
170 22.7 18.0 27.0



#51
2,6-Dinitrotoluene
Concen: 7.713 ng
RT: 14.737 min Scan# 1932
Delta R.T. 0.424 min
Lab File: BG053173.D
Acq: 15 Apr 2022 20:36

Tgt Ion:165 Resp: 10139
Ion Ratio Lower Upper
165 100
63 3.2 43.7 65.5#
89 2.5 45.0 67.4#

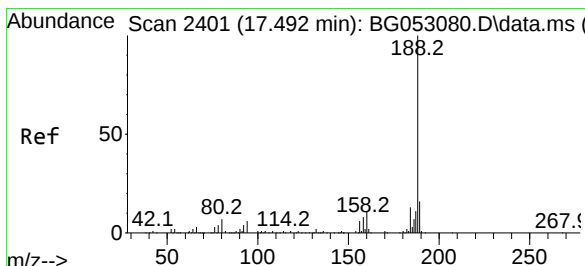
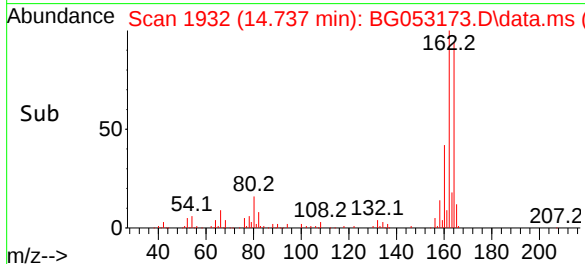
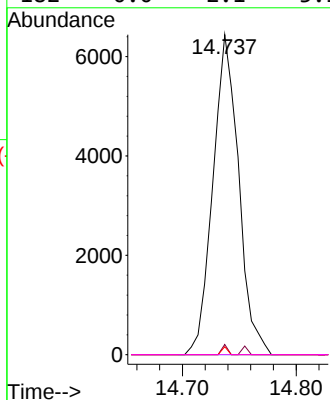
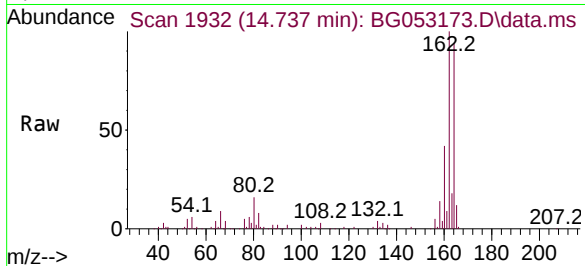




#57
2,4-Dinitrotoluene
Concen: 5.418 ng
RT: 14.737 min Scan# 1994
Delta R.T. -0.364 min
Lab File: BG053173.D
Acq: 15 Apr 2022 20:36

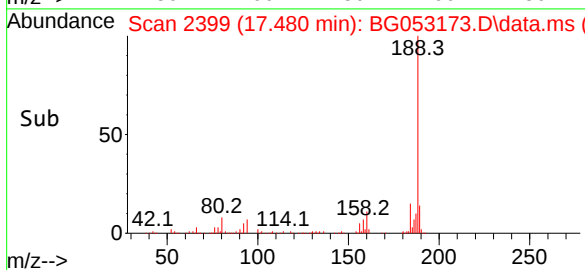
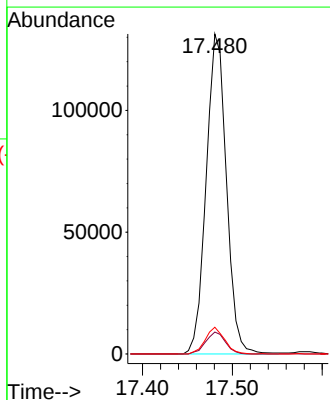
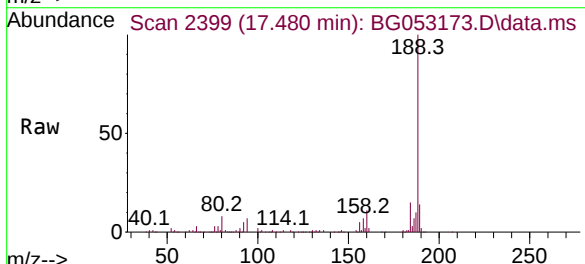
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ClientSampleId :
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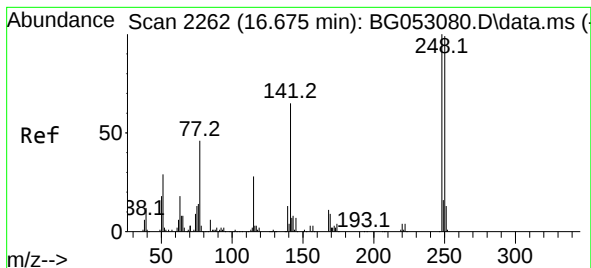
Tgt Ion:165 Resp: 10139
Ion Ratio Lower Upper
165 100
63 3.2 34.8 52.2#
89 2.5 57.4 86.0#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.480 min Scan# 2399
Delta R.T. -0.011 min
Lab File: BG053173.D
Acq: 15 Apr 2022 20:36

Tgt Ion:188 Resp: 205839
Ion Ratio Lower Upper
188 100
94 6.9 5.7 8.5
80 8.4 7.2 10.8

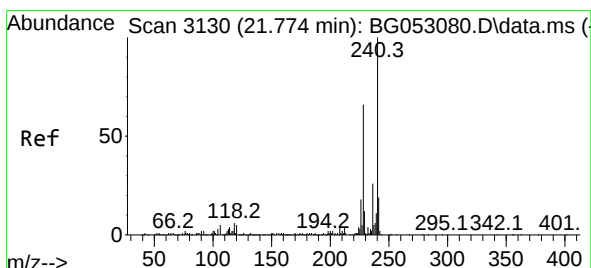
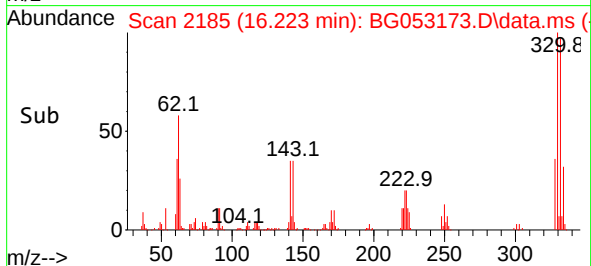
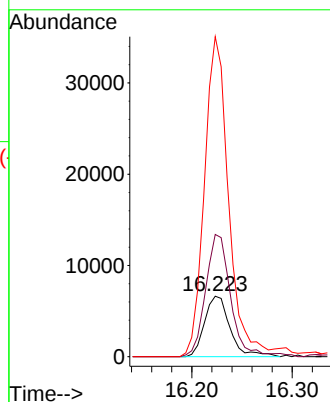
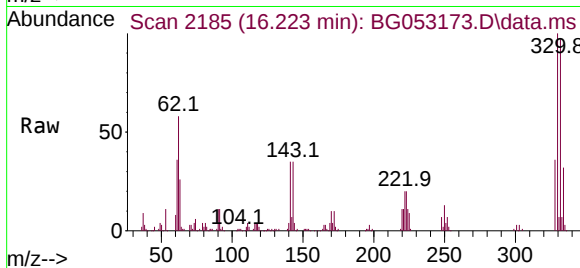




#67
4-Bromophenyl-phenylether
Concen: 4.425 ng
RT: 16.223 min Scan# 2185
Delta R.T. -0.452 min
Lab File: BG053173.D
Acq: 15 Apr 2022 20:36

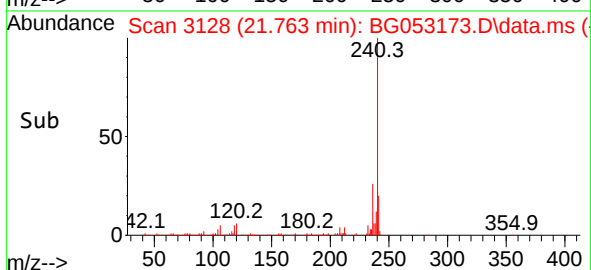
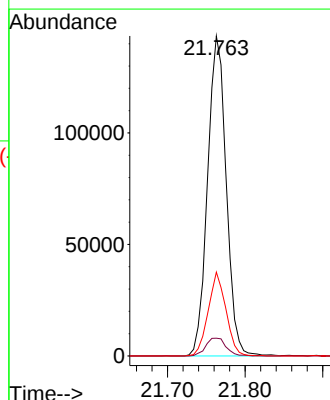
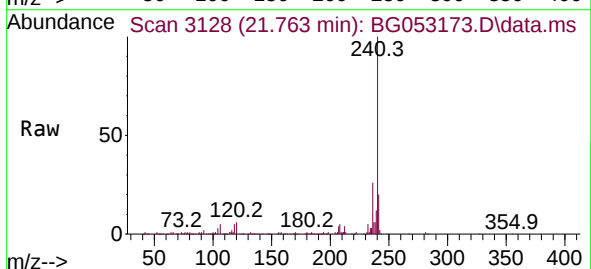
Instrument :
BNA_G
ClientSampleId :
CS-3-SOIL-PILE

Tgt Ion:248 Resp: 11672
Ion Ratio Lower Upper
248 100
250 202.1 77.9 116.9#
141 529.1 49.2 73.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.763 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BG053173.D
Acq: 15 Apr 2022 20:36

Tgt Ion:240 Resp: 239845
Ion Ratio Lower Upper
240 100
120 5.6 5.4 8.0
236 26.2 19.8 29.6

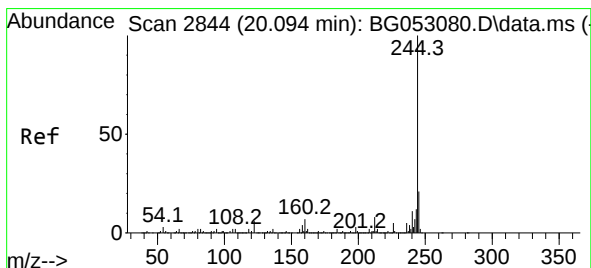
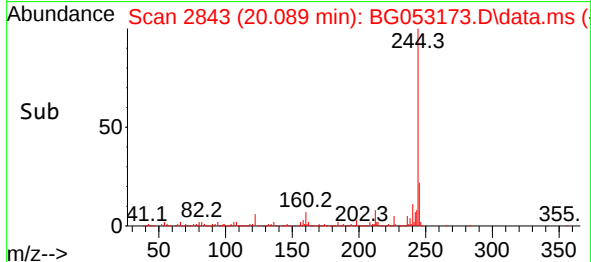
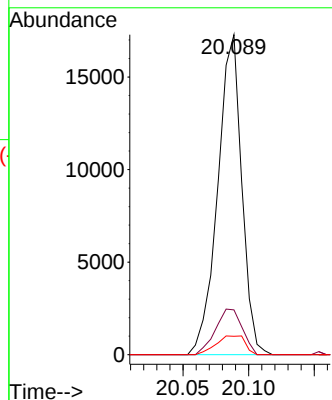
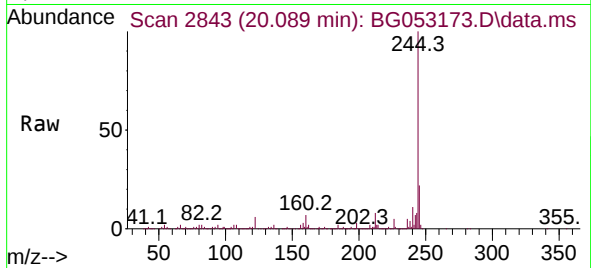




#77
Benzidine
Concen: 3.208 ng
RT: 20.089 min Scan# 2843
Delta R.T. 0.377 min
Lab File: BG053173.D
Acq: 15 Apr 2022 20:36

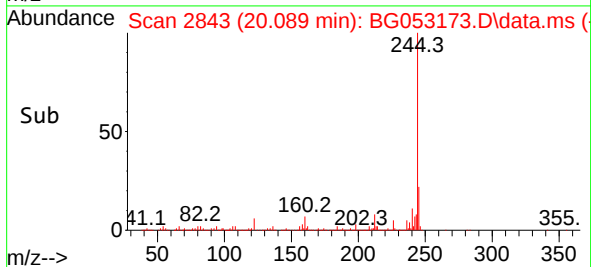
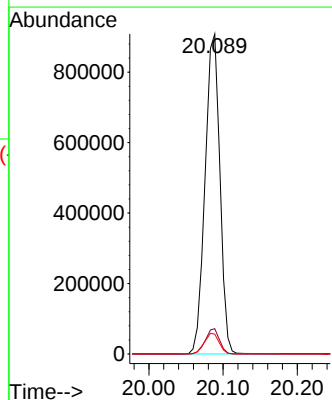
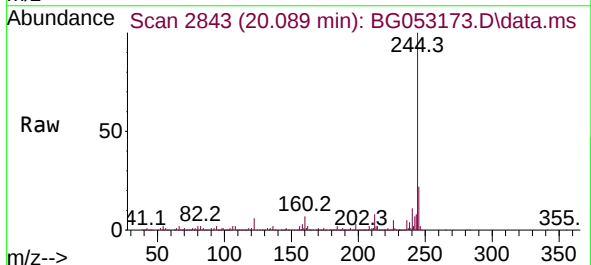
Instrument :
BNA_G
ClientSampleId :
CS-3-SOIL-PILE

Tgt Ion:184 Resp: 21956
Ion Ratio Lower Upper
184 100
185 14.0 11.5 17.3
183 5.8 9.4 14.2#



#79
Terphenyl-d14
Concen: 88.814 ng
RT: 20.089 min Scan# 2843
Delta R.T. -0.005 min
Lab File: BG053173.D
Acq: 15 Apr 2022 20:36

Tgt Ion:244 Resp: 1261271
Ion Ratio Lower Upper
244 100
212 7.9 5.4 8.2
122 6.2 5.8 8.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.058 min Scan# 30
Delta R.T. -0.017 min
Lab File: BG053173.D
Acq: 15 Apr 2022 20:36

Instrument :
BNA_G
ClientSampleId :
CS-3-SOIL-PILE

Tgt Ion:264 Resp: 239410

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.2	27.2
265	20.5	15.1	22.7

