

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041522\
 Data File : BG053174.D
 Acq On : 15 Apr 2022 21:15
 Operator : CG/JU
 Sample : N2394-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CS-4-SOIL-PILE

Quant Time: Apr 18 03:18:28 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)

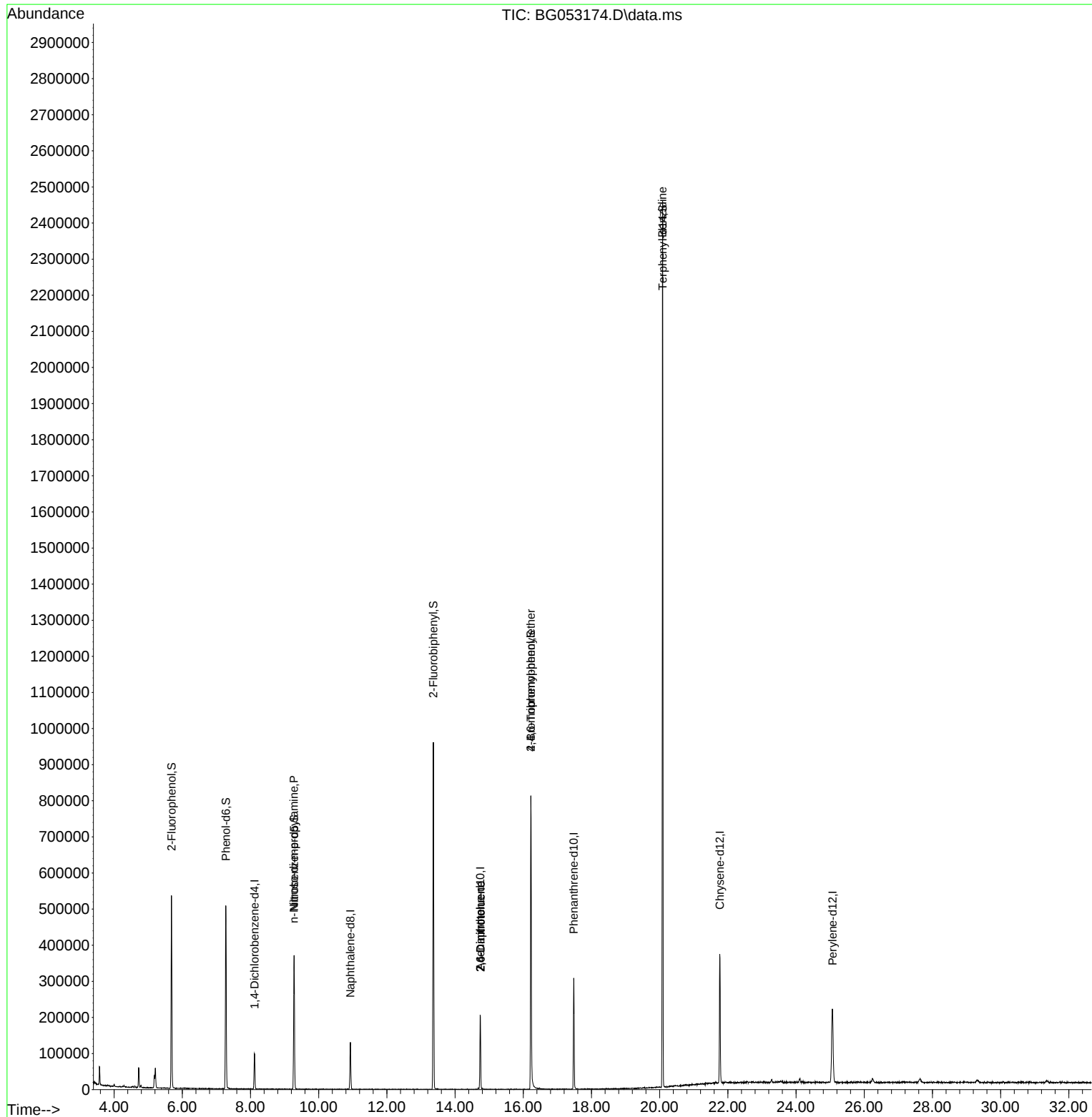
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.116	152	27630	20.000	ng	0.00
21) Naphthalene-d8	10.930	136	104359	20.000	ng	0.00
39) Acenaphthene-d10	14.737	164	77497	20.000	ng	-0.01
64) Phenanthrene-d10	17.480	188	203584	20.000	ng	-0.01
76) Chrysene-d12	21.762	240	241011	20.000	ng	-0.01
86) Perylene-d12	25.070	264	239619	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.684	112	213337	132.356	ng	0.00
7) Phenol-d6	7.276	99	288385	116.021	ng	0.00
23) Nitrobenzene-d5	9.279	82	232008	90.268	ng	0.00
42) 2,4,6-Tribromophenol	16.223	330	177872	144.266	ng	-0.01
45) 2-Fluorobiphenyl	13.362	172	511712	91.049	ng	0.00
79) Terphenyl-d14	20.088	244	1246001	87.314	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.273	70	32775	18.011	ng	# 78
51) 2,6-Dinitrotoluene	14.742	165	10412	8.052	ng	# 24
57) 2,4-Dinitrotoluene	14.742	165	10412	5.656	ng	# 22
67) 4-Bromophenyl-phenylether	16.223	248	11484	4.402	ng	# 1
77) Benzidine	20.082	184	20420	2.970	ng	# 93

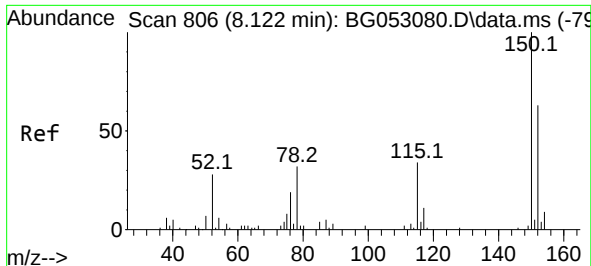
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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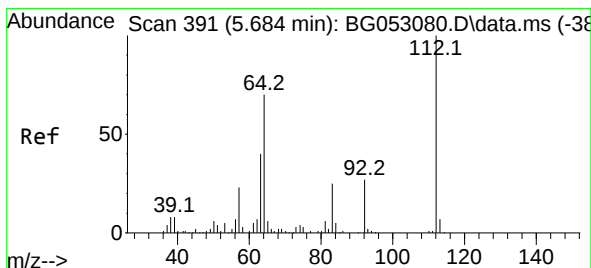
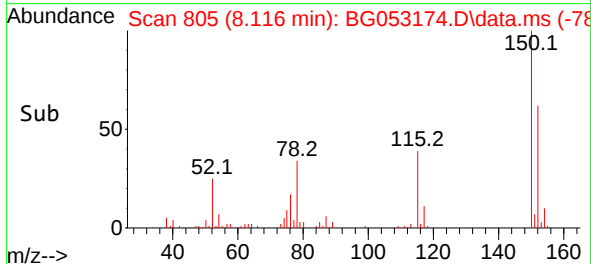
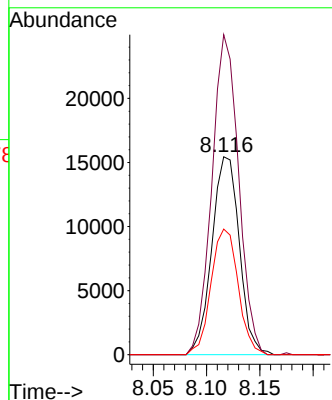
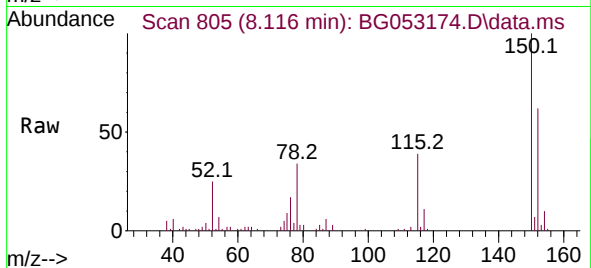




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.116 min Scan# 806
Delta R.T. -0.006 min
Lab File: BG053174.D
Acq: 15 Apr 2022 21:15

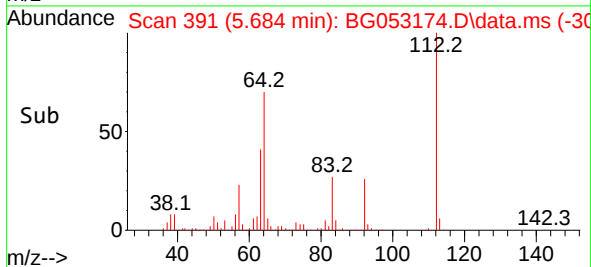
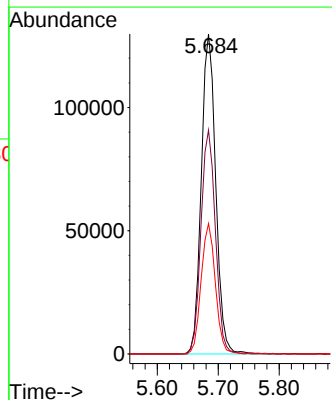
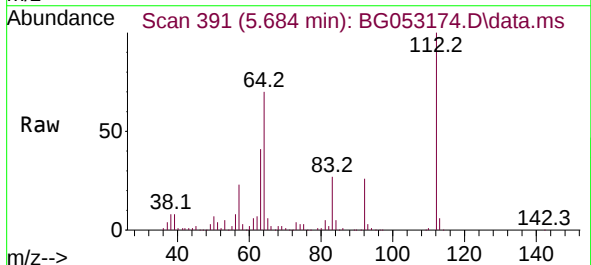
Instrument :
BNA_G
ClientSampleId :
CS-4-SOIL-PILE

Tgt Ion:152 Resp: 27630
Ion Ratio Lower Upper
152 100
150 161.7 114.6 172.0
115 63.4 45.9 68.9



#5
2-Fluorophenol
Concen: 132.356 ng
RT: 5.684 min Scan# 391
Delta R.T. 0.000 min
Lab File: BG053174.D
Acq: 15 Apr 2022 21:15

Tgt Ion:112 Resp: 213337
Ion Ratio Lower Upper
112 100
64 70.0 48.0 72.0
63 40.7 26.5 39.7#

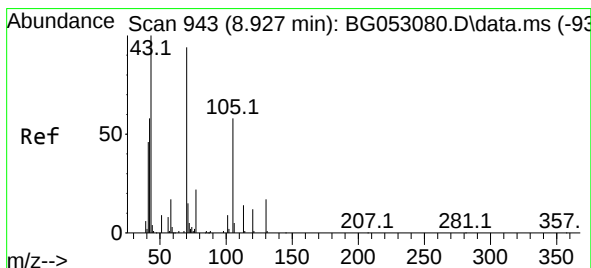
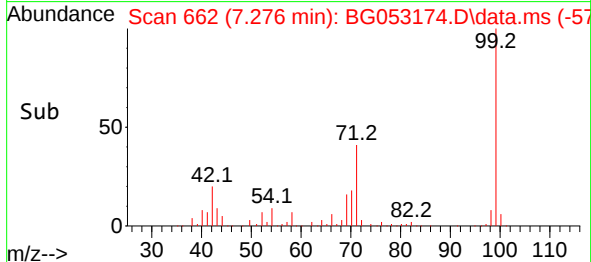
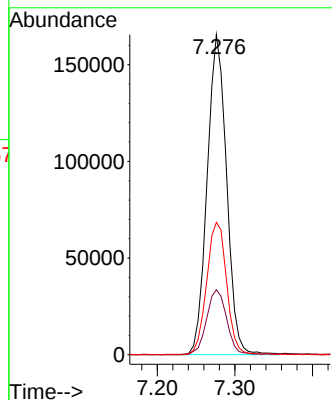
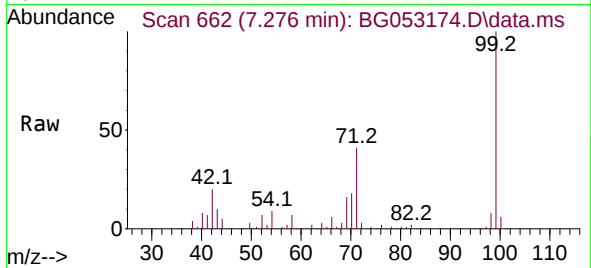




#7
Phenol-d6
Concen: 116.021 ng
RT: 7.276 min Scan# 60
Delta R.T. -0.006 min
Lab File: BG053174.D
Acq: 15 Apr 2022 21:15

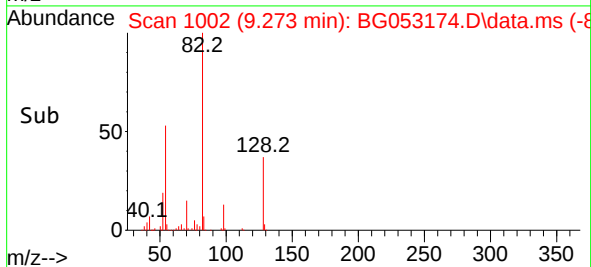
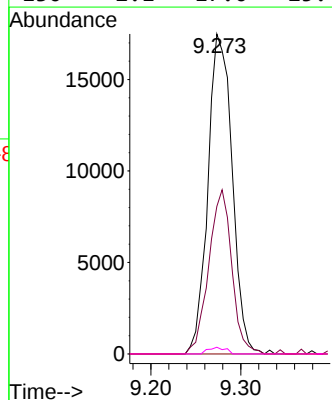
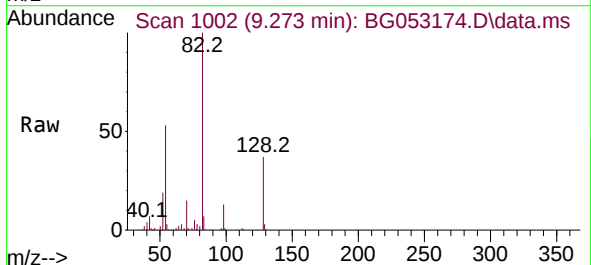
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BNA_G
ClientSampleId :
CS-4-SOIL-PILE

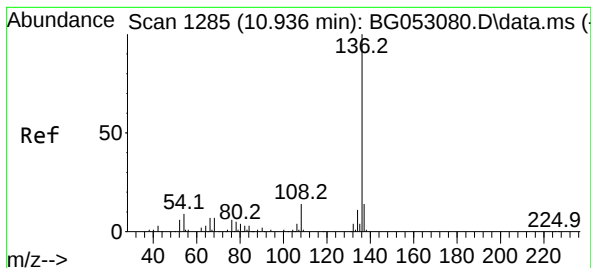
Tgt Ion: 99 Resp: 288385
Ion Ratio Lower Upper
99 100
42 20.3 14.7 22.1
71 41.3 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 18.011 ng
RT: 9.273 min Scan# 1002
Delta R.T. 0.347 min
Lab File: BG053174.D
Acq: 15 Apr 2022 21:15

Tgt Ion: 70 Resp: 32775
Ion Ratio Lower Upper
70 100
42 46.1 46.0 69.0
101 0.0 6.2 9.4#
130 2.1 17.0 25.4#



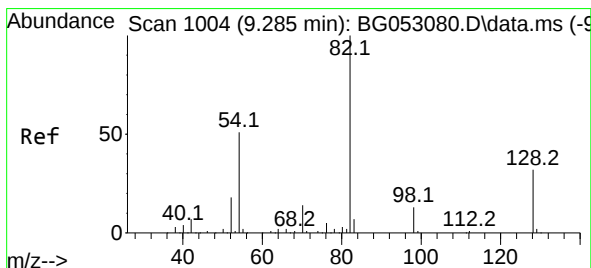
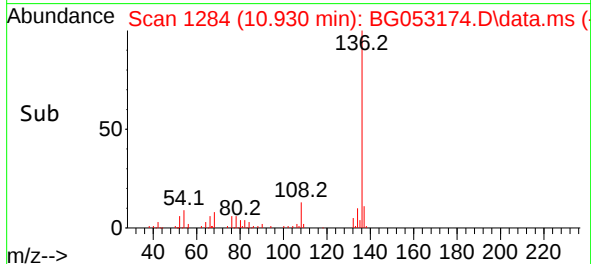
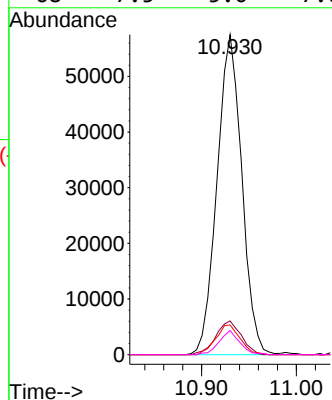
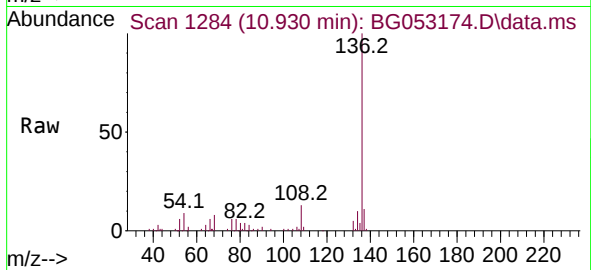


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.930 min Scan# 104359
Delta R.T. -0.006 min
Lab File: BG053174.D
Acq: 15 Apr 2022 21:15

Instrument :
BNA_G
ClientSampleId :
CS-4-SOIL-PILE

Tgt Ion:136 Resp: 104359

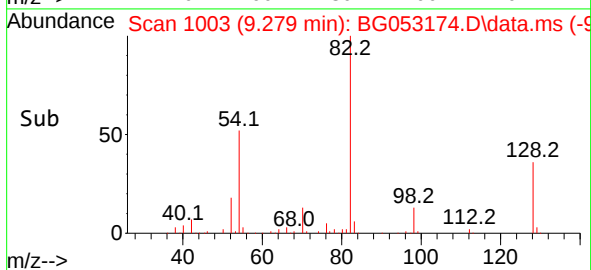
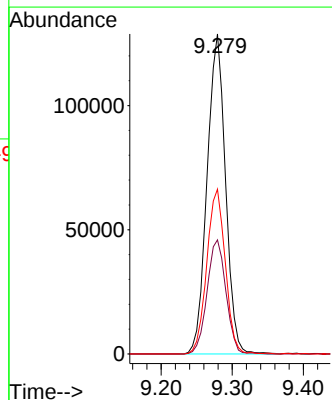
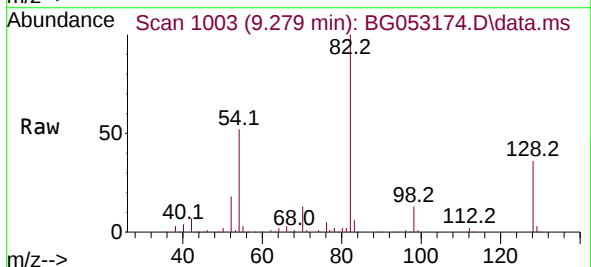
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.4	14.2
54	9.3	6.4	9.6
68	7.5	5.0	7.6

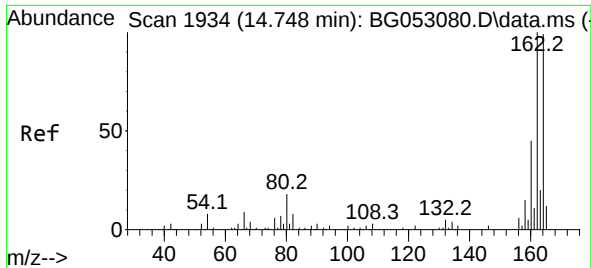


#23
Nitrobenzene-d5
Concen: 90.268 ng
RT: 9.279 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BG053174.D
Acq: 15 Apr 2022 21:15

Tgt Ion: 82 Resp: 232008

Ion	Ratio	Lower	Upper
82	100		
128	35.6	31.3	46.9
54	51.5	37.8	56.8

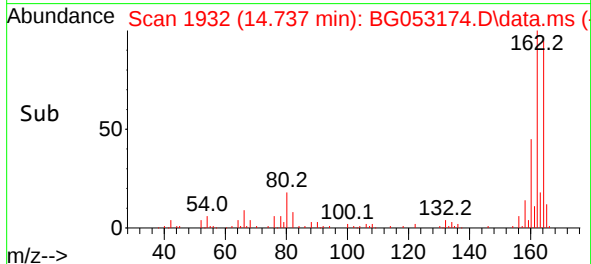
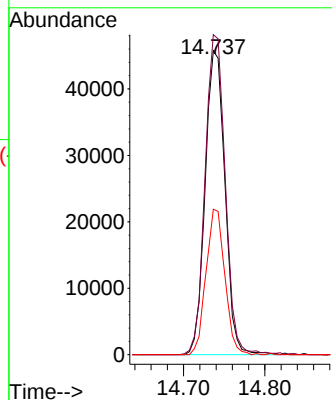
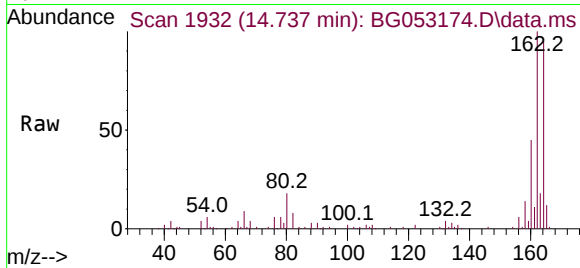




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.737 min Scan# 1932
Delta R.T. -0.012 min
Lab File: BG053174.D
Acq: 15 Apr 2022 21:15

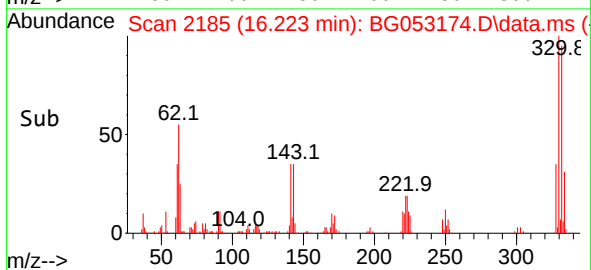
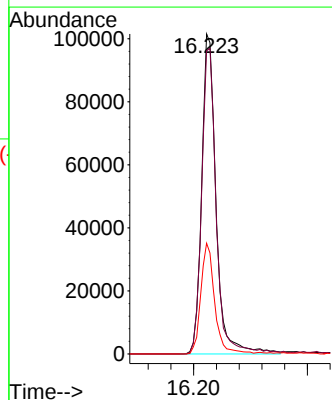
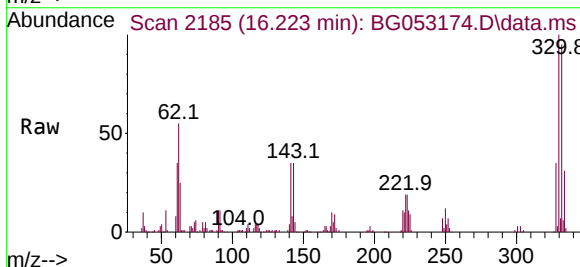
Instrument :
BNA_G
ClientSampleId :
CS-4-SOIL-PILE

Tgt Ion:164 Resp: 77497
Ion Ratio Lower Upper
164 100
162 105.3 80.0 120.0
160 47.9 38.8 58.2



#42
2,4,6-Tribromophenol
Concen: 144.266 ng
RT: 16.223 min Scan# 2185
Delta R.T. -0.012 min
Lab File: BG053174.D
Acq: 15 Apr 2022 21:15

Tgt Ion:330 Resp: 177872
Ion Ratio Lower Upper
330 100
332 97.2 75.8 113.6
141 33.3 24.6 36.8

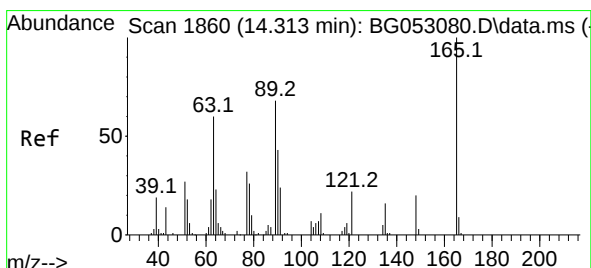
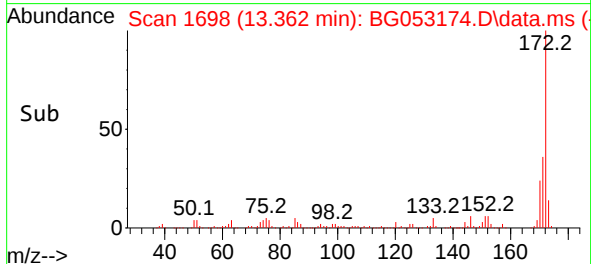
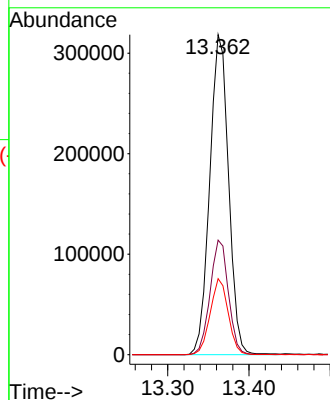
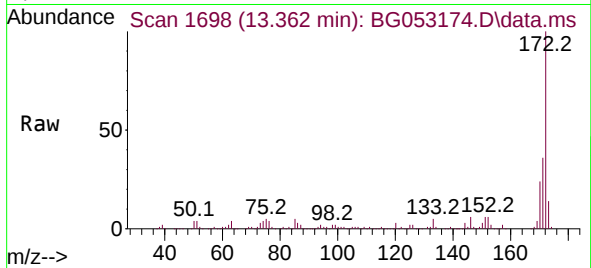




#45
2-Fluorobiphenyl
Concen: 91.049 ng
RT: 13.362 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG053174.D
Acq: 15 Apr 2022 21:15

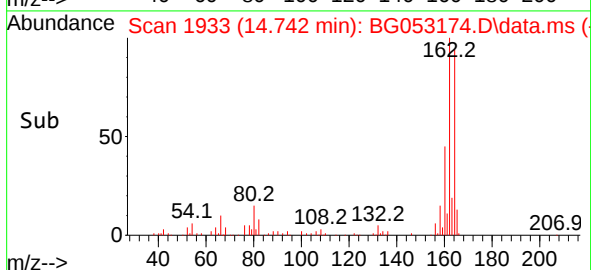
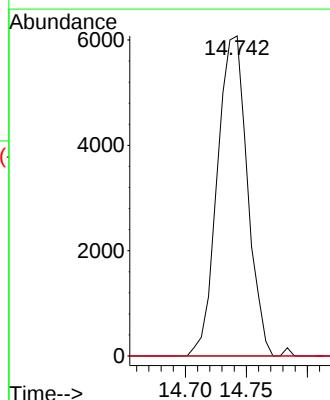
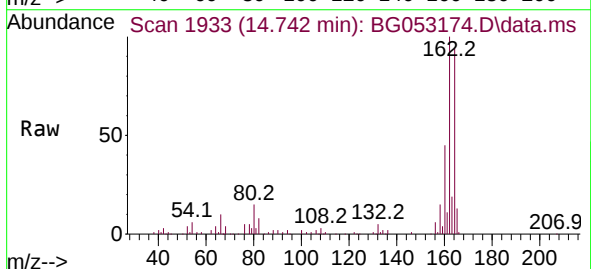
Instrument :
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CS-4-SOIL-PILE

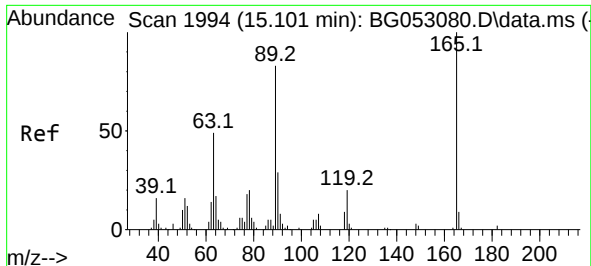
Tgt Ion:172 Resp: 511712
Ion Ratio Lower Upper
172 100
171 35.8 28.3 42.5
170 23.8 18.0 27.0



#51
2,6-Dinitrotoluene
Concen: 8.052 ng
RT: 14.742 min Scan# 1933
Delta R.T. 0.429 min
Lab File: BG053174.D
Acq: 15 Apr 2022 21:15

Tgt Ion:165 Resp: 10412
Ion Ratio Lower Upper
165 100
63 0.0 43.7 65.5#
89 0.0 45.0 67.4#

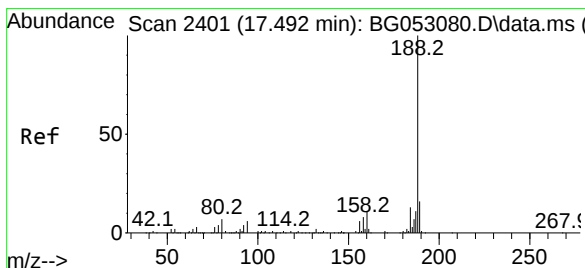
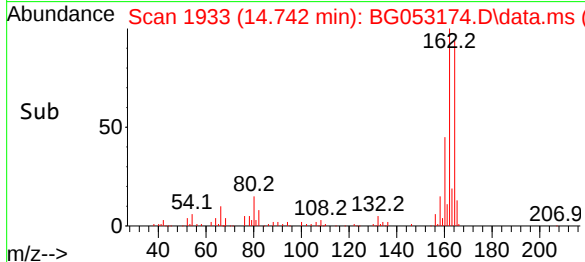
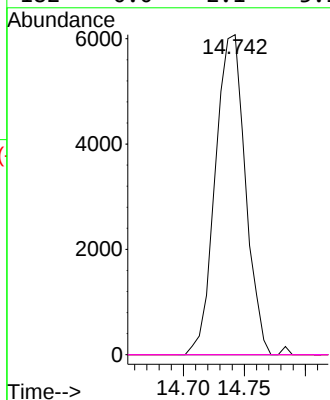
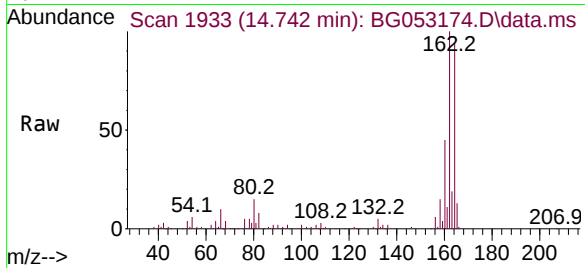




#57
2,4-Dinitrotoluene
Concen: 5.656 ng
RT: 14.742 min Scan# 1933
Delta R.T. -0.358 min
Lab File: BG053174.D
Acq: 15 Apr 2022 21:15

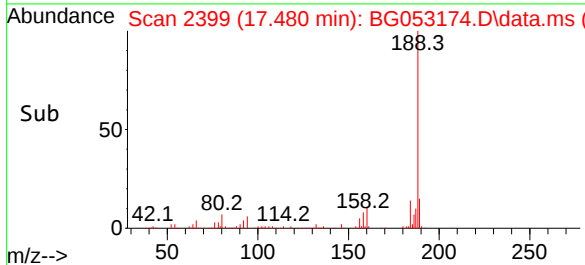
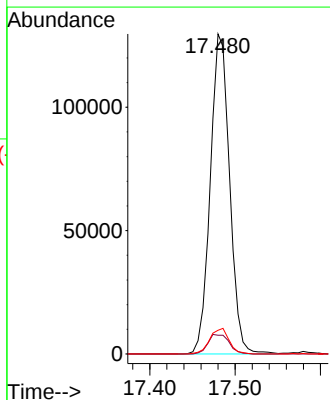
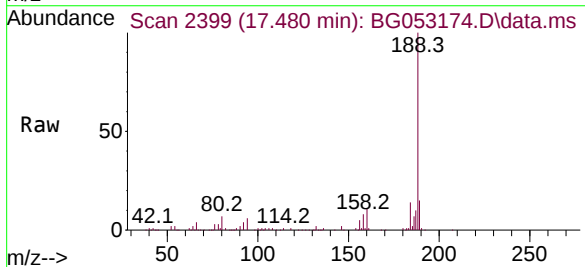
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BNA_G
ClientSampleId :
CS-4-SOIL-PILE

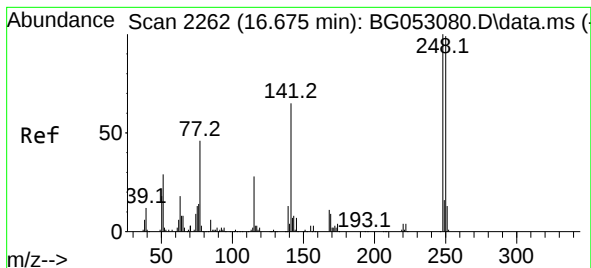
Tgt Ion:165 Resp: 10412
Ion Ratio Lower Upper
165 100
63 0.0 34.8 52.2#
89 0.0 57.4 86.0#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.480 min Scan# 2399
Delta R.T. -0.012 min
Lab File: BG053174.D
Acq: 15 Apr 2022 21:15

Tgt Ion:188 Resp: 203584
Ion Ratio Lower Upper
188 100
94 5.8 5.7 8.5
80 7.4 7.2 10.8

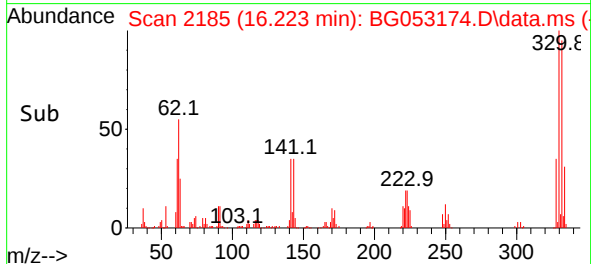
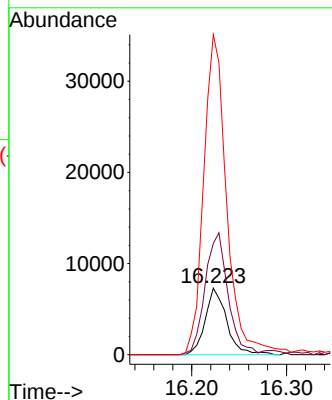
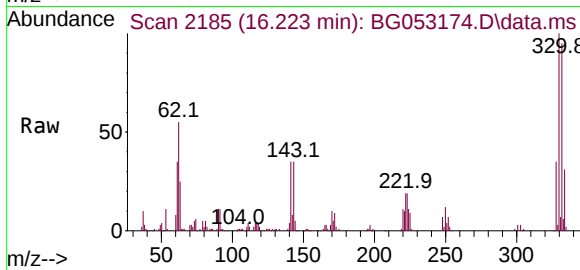




#67
4-Bromophenyl-phenylether
Concen: 4.402 ng
RT: 16.223 min Scan# 2185
Delta R.T. -0.452 min
Lab File: BG053174.D
Acq: 15 Apr 2022 21:15

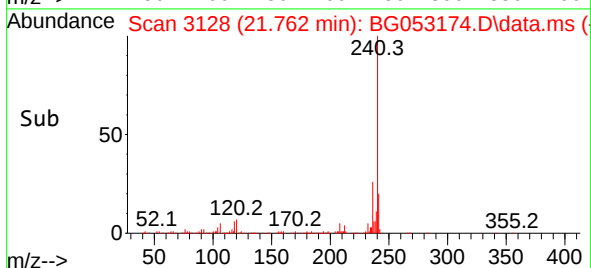
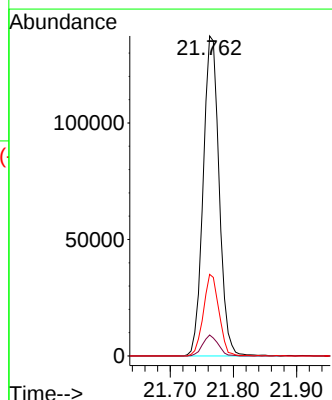
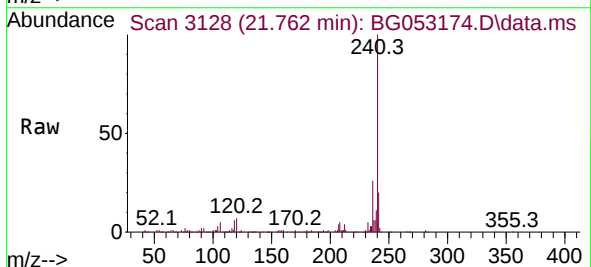
Instrument :
BNA_G
ClientSampleId :
CS-4-SOIL-PILE

Tgt Ion:248 Resp: 11484
Ion Ratio Lower Upper
248 100
250 167.0 77.9 116.9#
141 480.3 49.2 73.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.762 min Scan# 3128
Delta R.T. -0.012 min
Lab File: BG053174.D
Acq: 15 Apr 2022 21:15

Tgt Ion:240 Resp: 241011
Ion Ratio Lower Upper
240 100
120 6.5 5.4 8.0
236 25.5 19.8 29.6

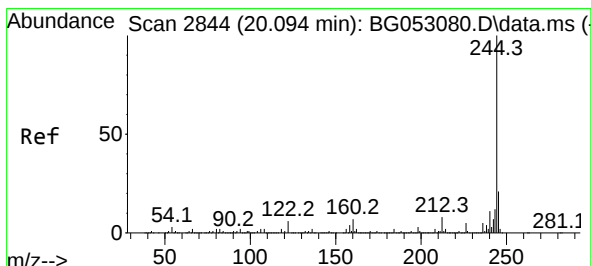
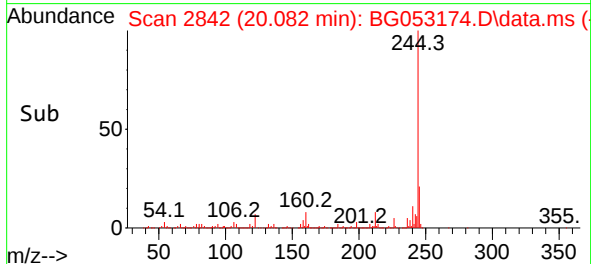
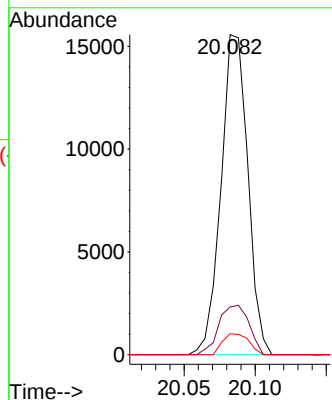
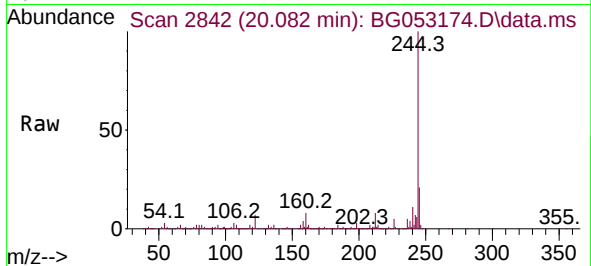




#77
Benzidine
Concen: 2.970 ng
RT: 20.082 min Scan# 21
Delta R.T. 0.370 min
Lab File: BG053174.D
Acq: 15 Apr 2022 21:15

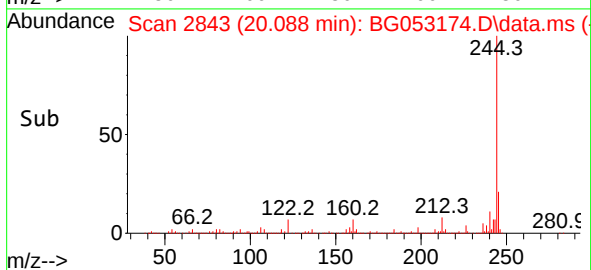
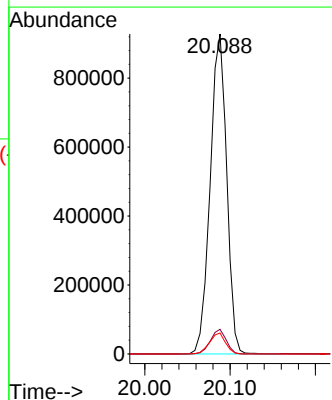
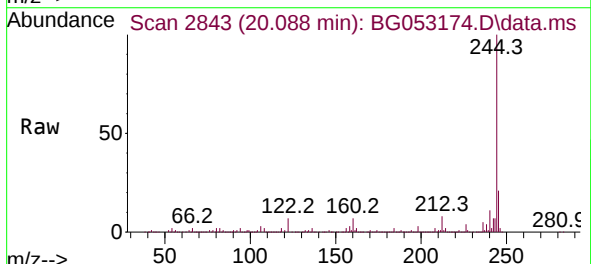
Instrument :
BNA_G
ClientSampleId :
CS-4-SOIL-PILE

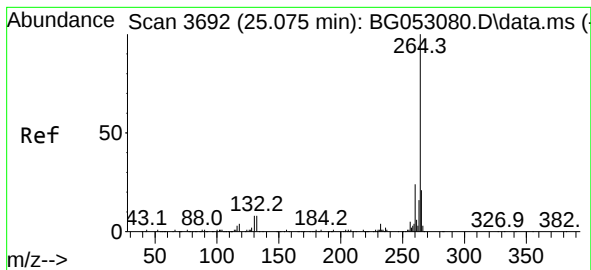
Tgt Ion:184 Resp: 20420
Ion Ratio Lower Upper
184 100
185 14.9 11.5 17.3
183 6.5 9.4 14.2#



#79
Terphenyl-d14
Concen: 87.314 ng
RT: 20.088 min Scan# 2843
Delta R.T. -0.006 min
Lab File: BG053174.D
Acq: 15 Apr 2022 21:15

Tgt Ion:244 Resp: 1246001
Ion Ratio Lower Upper
244 100
212 7.7 5.4 8.2
122 6.6 5.8 8.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.070 min Scan# 30
Delta R.T. -0.006 min
Lab File: BG053174.D
Acq: 15 Apr 2022 21:15

Instrument :
BNA_G
ClientSampleId :
CS-4-SOIL-PILE

Tgt Ion:264 Resp: 239619

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.2	27.2
265	20.6	15.1	22.7

